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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

All-American Athletic Association, The, New York, N. Y. Periodical. Serial No. 444,030; Jan. 13. Class 38.

American Chemical Company, Inc., Chicago, Ill. Synthetic organic chemical used as an anthelmintic or vermifuge and urinary antiseptic for animals and poultry. Serial No. 448,687; Jan. 13. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes. Serial No. 447,967; Jan. 13. Class 6.

Artloom Corporation, Philadelphia, Pa. Carpets and rugs. Serial Nos. 448,813–14; Jan. 13. Class 42.

Aspinook Corporation, The, Jewett City, Conn. All cotton, all rayon, and combinations of cotton and rayon, cotton and acetate. Serial No. 448,543; Jan. 13. Class 42.

Aurora Products Corporation, The, Cleveland, Ohio. Skin lotion. Serial No. 448,071; Jan. 13. Class 6.

Auto Supplies Mfg. Co., Inc., The, Denver, Colo. Chemically treated polishing cloths. Serial No. 448,128; Jan. 13. Class 4.

Bassick Company, The, Bridgeport, Conn. Desk cups of composition material and rubber desk shoes. Serial No. 449,200; Jan. 13. Class 32.

Benfu Lotion Co., New York, N. Y. Scalp lotion and shampoo. Serial No. 449,201; Jan. 13. Class 6.

Blamey, J. Harry, doing business as Blamey Decorating Co., Sacramento, Calif. Adhesive paste. Serial No. 444,748; Jan. 13. Class 5.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 448,597; Jan. 13. Class 42.

Capson Hat Company, Inc., Fall River, Mass. Hats and caps. Serial No. 446,732; Jan. 13. Class 39.

Casco Products Corporation, Bridgeport, Conn. Electric fans. Serial Nos. 448,549–50; Jan. 13. Class 21.

Cerruti & Cominelli, New York, N. Y. Cheese. Serial No. 447,536; Jan. 13. Class 46.

Certain Hair Preparations. (See Ramsey, Louise G.)

Champion Pecan Machine Company, The, San Antonio, Tex. Nut cracking and processing machines and parts therefor. Serial No. 448,038; Jan. 13. Class 23.

Chapman, Zeph S., Los Angeles, Calif. Preparation of chemicals used for the extinguishment of magnesium fires. Serial No. 447,584; Jan. 13. Class 6.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Washing powder. Serial No. 448,672; Jan. 13. Class 4.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation used in heart affections. Serial No. 448,819; Jan. 13. Class 6.

Cleveland Gasket and Manufacturing Company, The, Cleveland, Ohio. Gaskets and plant fibre sheet packing material. Serial No. 447,932; Jan. 13. Class 35.

Collegiate Manufacturing Company, Inc., New York, N. Y. Women's slips. Serial No. 448,632; Jan. 13. Class 39.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Natural mineral waters, non-alcoholic maltless beverages, syrups and extracts for making soft drinks. Serial No. 445,124; Jan. 13. Class 45.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Beers, porters and ales. Serial No. 445,128; Jan. 13. Class 48.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, brandies, gins, rums, etc. Serial No. 445,129; Jan. 13. Class 49.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Natural mineral waters, non-alcoholic maltless beverages, syrups and extracts for making soft drinks. Serial No. 445,130; Jan. 13. Class 45.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Wines and aperitive wines. Serial No. 445,131; Jan. 13. Class 47.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, brandies, gins, rums, etc. Serial No. 445,132; Jan. 13. Class 49.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Natural mineral waters, non-alcoholic maltless beverages, syrups and extracts for making soft drinks. Serial No. 445,133; Jan. 13. Class 45.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Wines and aperitive wines. Serial No. 445,134; Jan. 13. Class 47.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Beers, porters and ales. Serial No. 445,135; Jan. 13. Class 48.

Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, brandies, gins, rums, alcoholic punches, cordials, and liqueurs. Serial No. 445,136; Jan. 13. Class 49.

Co-Operative Feed Dealers, Inc., Binghamton, N. Y. Wheat germ oils to be mixed with animal foods. Serial No. 444,256; Jan. 13. Class 6.

Cosmata, Inc., Long Island City, N. Y. Soaps. Serial No. 448,756; Jan. 13. Class 4.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, suntan oil, etc. Serial Nos. 449,128–9; Jan. 13. Class 6.

Crawford Produce Company, San Benito, Tex. Fresh vegetables and fresh citrus fruits. Serial No. 448,040; Jan. 13. Class 46.

Crestwood Publishing Co., Inc., New York, N. Y. Periodical publication. Serial No. 446,995; Jan. 13. Class 38.

Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures of the crown type. Serial No. 447,999; Jan. 13. Class 50.

Crystal, David, Inc., New York, N. Y. Perfume. Serial No. 449,094; Jan. 13. Class 6.

Cumbow China Decorating Company. (See Ruskin, Mrs. J. Z.)

Dache, Lilly, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. Serial No. 449,170; Jan. 13. Class 6.

De LaSalle Institute, Napa, Calif. Brandy. Serial No. 446,315; Jan. 13. Class 49.

De Nobili Cigar Company, Long Island City, N. Y. Cigars and smoking tobacco. Serial No. 446,829; Jan. 13. Class 17.

Dillon-Beck Manufacturing Company, Irvington, N. J. Plastic self-adjusting casting floats. Serial No. 447,266; Jan. 13. Class 22.

Doniger, David D., & Co., New York, N. Y. Slacks, sport shirts, combination slacks and shirts, etc. Serial No. 447,977; Jan. 13. Class 39.

Doran, Harry W., doing business as Harry's Diner, New Orleans, La. Specially prepared fried chicken dinner. Serial No. 446,620; Jan. 13. Class 46.

Drug Guild, Inc., New York, N. Y. Antiseptic mouth wash, comprising mineral oil, agar and phenathalin emulsion, etc. Serial No. 445,979; Jan. 13. Class 6.

Economy Dental Supply Co., Portland, Oreg. Plastic material used in the manufacture of dentures. Serial No. 448,504; Jan. 13. Class 44.

Emery Industries, Inc., Cincinnati, Ohio. Hydrogenated marine oil fatty acids. Serial No. 443,487; Jan. 13. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Fat splitting reagents and soponifiers. Serial No. 443,488; Jan. 13. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Absorbefacient and detergent. Serial Nos. 443,495–6; Jan. 13. Class 4.

Emery Industries, Inc., Cincinnati, Ohio. Absorbefacient for dry cleaning. Serial No. 443,497; Jan. 13. Class 4.

Erlinder-Platt Sales Corporation, Chicago, Ill. Automobile and truck bodies and motor boats. Serial No. 448,410; Jan. 13. Class 19.

Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. Serial No. 443,717; Jan. 13. Class 39.

Ferro Enamel Corporation, Cleveland, Ohio. Fire brick, refractory tile, refractory materials used in furnace construction. Serial No. 448,605; Jan. 13. Class 12.

Fidelity Trading Company. (See Sassoon, Edward.)

Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Organization adviser pins, badges, and buttons, buckles, collegiate chapter pins, etc. Serial No. 445,050; Jan. 13. Class 28.

Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Pennants, banners, plaques, etc. Serial No. 445,051; Jan. 13. Class 50.

Gamboa, Inc., New York, N. Y. Perfume. Serial No. 449,006; Jan. 13. Class 6.

General Chemical Company, New York, N. Y. Calcium sulfate for use as a pigment extender and other purposes. Serial No. 448,785; Jan. 13. Class 6.

Gordon, Eva, New York, N. Y. Artificial trees, Christmas tree decorations and ornaments. Serial No. 447,102; Jan. 13. Class 50.

Haase, Wilbert W., Co., Inc., Forest Park, Ill. Burial vaults. Serial No. 447,331; Jan. 13. Class 2.

Harry's Diner. (See Doran, Harry W.)

Haskell, Charles C., & Co. Inc., Richmond, Va. Ointment for the treatment of cutaneous infections. Serial No. 449,047; Jan. 13. Class 6.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet water, face powder, and lipstick. Serial No. 448,906; Jan. 13. Class 6.

Her Majesty Underwear Company, Philadelphia, Pa., and New York, N. Y. Underwear, slips, panties, bloomers, etc. Serial No. 446,874; Jan. 13. Class 39.

Hirsch, S. H. (See Henry, Sidney.)

House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, bath powder, talcum powder, sachet powder, etc. Serial No. 448,559; Jan. 13. Class 6.

Hurd, Gordon, Flushing, N. Y. Hand trucks in the nature of wheeled shopping bags. Serial No. 448,294; Jan. 13. Class 19.

International Bedding Company, The, Baltimore, Md. Mattresses, pillows, and box-springs. Serial No. 449,181; Jan. 13. Class 32.

Jones, Paul A., doing business as Kiddie Brush & Toy Company, Jonesville, Mich. Toy carpet sweepers, toy housecleaning sets and their contents consisting of floor mops, etc. Serial No. 449,182; Jan. 13. Class 22.
Kalix Mills Incorporated, Lawrence, Mass. Gaskets, nonmetallic packing, and flexible tubing. Serial No. 439,109; Jan. 13. Class 35.
Karagheusian, A. & M., Inc., New York, N. Y. Textile rugs, carpets, floor and wall covers. Serial No. 448,733; Jan. 13. Class 42.
Kearns Coal Company, The, Cincinnati, Ohio. Coal. Serial No. 448,053; Jan. 13. Class 1.
Kiddie Brush & Toy Company. (See Jones, Paul A.)
Knack, Harold J., Detroit, Mich. Soot destroyer bricks Serial No. 442,596; Jan. 13. Class 6.
Levy, Maurice, doing business as Renoir Perfumer, New York, N. Y. Perfume. Serial No. 448,946; Jan. 13. Class 6.
Magnaflux Corporation, Chicago, Ill. Metallic comminuted paramagnetic material. Serial No. 446,740; Jan. 13. Class 14.
Maine Canned Foods, Inc., Portland, Maine. Canned food products. Serial No. 447,814; Jan. 13. Class 46.
Marshall Field & Company, Chicago, Ill. Shirts and sleeping pajamas. Serial No. 447,728; Jan. 13. Class 39.
Marshall Field & Company, Chicago, Ill. Women's handbags. Serial No. 448,860; Jan. 13. Class 3.
Marshall Field & Company, Chicago, Ill. Women's handbags. Serial Nos. 449,174–5; Jan. 13. Class 3.
Martin, L., Company, Inc., The, New York, N. Y. Lamphlack. Serial No. 449,013; Jan. 13. Class 6.
McHutchison & Co., New York, N. Y. Raffia. Serial Nos. 448,107–8; Jan. 13. Class 1.
McMullin, James E., & Sons, Sparta, Ga. Blood tonic. Serial No. 446,237; Jan. 14. Class 6.
Merrill, Wm. S., Company, The, Cincinnati, Ohio. Polyvitamin tablets. Serial No. 448,831; Jan. 13. Class 6.
Meyenberg, J. P., Jr., doing business as J. P. Meyenberg Jr. Sales Co., Salinas, Calif. Canned fruit and vegetable juices for food purposes, canned milk, canned fruits, etc. Serial No. 448,198; Jan. 13. Class 46.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 447,706; Jan. 13. Class 27.
Muskegon Piston Ring Company, Muskegon, Mich. Piston rings. Serial No. 449,287; Jan. 13. Class 35.
National Refining Company, The, Cleveland, Ohio. Flushing oil. Serial No. 448,870; Jan. 13. Class 15.
National Sugar Refining Company, The, New York, N. Y. Sugar. Serial No. 448,646; Jan. 13. Class 46.
Nestle's Milk Products, Inc., New York, N. Y. Powdered milk. Serial No. 447,547; Jan. 13. Class 46.
Nilsen, Margit Studios, Inc., New York, N. Y. Dolls for exhibition purposes and use as mannequins. Serial No. 436,776; Jan. 13. Class 22.
Nomis Corporation, The, Lafayette, Ind., and Jacksonville, Fla. Fillers for sea food sandwiches having oysters as their base. Serial No. 445,821; Jan. 13. Class 46.
Nomis Corporation, The, Lafayette, Ind., and Jacksonville, Fla. Fillers for sea food sandwiches having fish as their base. Serial No. 446,332; Jan. 13. Class 46.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetics. Serial No. 448,648; Jan. 13. Class 6.
Nu-Stay Process Corp., New York, N. Y. Rubberized cotton fabric in the piece which may be attached to the back of fur skins. Serial No. 443,576; Jan. 13. Class 50.
Old Colony Company, The, Bridgeport, Conn. Brandy. Serial No. 447,073; Jan. 13. Class 49.
Omar Incorporated, Omaha, Nebr. Wheat flour. Serial No. 446,810; Jan. 13. Class 46.
On-On-Or Food Co. (See Parker, Bertha H.)
Orange Belt Fruit Distributors, Pomona, Calif. Fresh citrus fruit. Serial No. 448,577; Jan. 13. Class 46.
Pacific Trading Company, Inc., San Francisco, Calif. Packaged dried shrimp. Serial No. 447,248; Jan. 13. Class 46.
Parker, Bertha H., doing business as On-On-Or Food Co., Rochester, N. Y. Bran muffin mix, corn muffin mix. Serial No. 448,163; Jan. 13. Class 46.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Metal curtain rods and metal curtain rod fixtures. Serial No. 448,262; Jan. 13. Class 13.
Philco Corporation, Philadelphia, Pa. Canvas carrying cases and leather carrying cases. Serial No. 449,150; Jan. 13. Class 3.
Pioneer Parachute Company, Inc., Manchester, Conn. Aviation equipment—namely, parachutes, parachute packs, harnesses, etc. Serial No. 445,559; Jan. 13. Class 19.
Please U Film Service, La Crosse, Wis. Printed photographs and photographic prints. Serial No. 433,306; Jan. 13. Class 38.
Printz-Biederman Company, The, Cleveland, Ohio. Women's, misses', juniors', teens', and children's wearing apparel. Serial No. 447,404; Jan. 13. Class 39.
Printz-Biederman Company, The, Cleveland, Ohio. Women's, misses', juniors', teens', half size, and women's wearing apparel. Serial No. 447,405; Jan. 13. Class 39.
RCA Manufacturing Company, Inc., Camden, N. J. Mechanical pencils, fountain pens, rubber stamps, ink pads, business cards, blank forms. Serial No. 445,669; Jan. 13. Class 37.
Ramsey, Louise G., doing business as Certain Hair Preparations, Gary, Ind. Hair preparation. Serial No. 447,952; Jan. 13. Class 6.
Rand Brothers, New York, N. Y. Artificial pearl necklaces and pearl beads. Serial No. 443,781; Jan. 13. Class 28.
Raygram Corporation, New York, N. Y. Photographic specialties, viz—hand flashguns, carrying cases for cameras, reels, etc. Serial No. 447,668; Jan. 13. Class 26.
Red Dot Foods, Inc., Madison, Wis. Potato chips. Serial No. 445,530; Jan. 13. Class 46.
Renoir Perfumer. (See Levy, Maurice.)
Rigidtest Products, Inc., Chicago, Ill. Antiseptic and bactericidal preparations. Serial No. 447,767; Jan. 13. Class 6.
Rose Brothers, New York, N. Y. Topcoats. Serial No. 448,460; Jan. 13. Class 39.
Runciman & Runciman, Exeter, Calif. Fresh grapes. Serial No. 448,622; Jan. 13. Class 46.
Ruskin, Mrs. J. Z., doing business as Cumbow China Decorating Company, Abingdon, Va. Ceramic table and cooking ware, vases, jars, jugs, jardinieres, crocks, cuspidors, etc. Serial No. 448,012; Jan. 13. Class 30.
Sage, Peggy, Inc., Stamford, Conn. Liquid nail polish. Serial No. 446,089; Jan. 13. Class 6.
Sanco Manufacturing Company, Chicago, Ill. Paper articles—namely, sanitary toilet seat covers and dispensers therefor. Serial No. 439,666; Jan. 13. Class 50.
San Fernando Citrus Association, San Fernando, Calif. Fresh citrus fruit. Serial No. 448,767; Jan. 13. Class 46.
Sassoon, Edward, doing business as Fidelity Trading Company, San Francisco, Calif. Prepared food products—namely, canned fish. Serial No. 448,462; Jan. 13. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Glass cooking utensils. Serial No. 448,659; Jan. 13. Class 33.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for treatment of conditions resulting from metabolic deficiencies, etc. Serial No. 449,106; Jan. 13. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations used as biological stimulants for glandular activity, etc. Serial No. 437,484; Jan. 13. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Substances causing cellular stimulation, hormones and preparations containing hormones, etc. Serial No. 449,105; Jan. 13. Class 6.
Smith, A. O., Corporation, Milwaukee, Wis. Metallic welding electrodes. Serial No. 447,618; Jan. 13. Class 14.
Sociedad Anonima de Productos Quimicos Fk para Industria y Farmacia, New York, N. Y. Nicotinamide, nicotinic acid diethylamide, acetyl-P-aminophenyl salicylate, etc. Serial No. 449,025; Jan. 13. Class 6.
Standard Brands Incorporated, New York, N. Y. Coffee. Serial No. 425,657; Jan. 13. Class 46.
Talon, Inc., Meadville, Pa. Separable fasteners of the slider-controlled type. Serial No. 449,108; Jan. 13. Class 13.
Taylor, Thomas, & Sons, Inc., Hudson, Mass. Shoe laces. Serial No. 448,628; Jan. 13. Class 40.
Theon Company, Inc., The, New York, N. Y. Perfumes. Serial No. 448,443; Jan. 13. Class 6.
Toy Manufacturers of the U. S. A. Inc., New York, N. Y. Toys and playthings, including aerial toys, balls and balloons, blackboards, etc. Serial No. 441,496; Jan. 13. Class 22.
Union Mining Company, The, Mount Savage, Md., and Pittsburgh, Pa. Ceramic materials to be used as a monolith lining for ladles, cupolas, brick setting, etc. Serial No. 447,084; Jan. 13. Class 1.
United Varnish Corporation, Long Island City, N. Y. Alkali resistant pigmented coating for use on new plaster. Serial No. 447,382; Jan. 13. Class 16.
Wartsila-Yhtyma O/Y-Wartsila-Koncernen A/B, Vartsila, Finland. Locks, lock parts, and keys for locks. Serial No. 447,024; Jan. 13. Class 25.
Washburn, W. O., & Sons, Inc., St. Paul, Minn. Lotion for the face, body, hands, and limbs, etc. Serial No. 446,120; Jan. 13. Class 6.
West Virginia Pulp & Paper Company, New York, N. Y. Crude tall oil (talloel) soap derived from the fats and resins of pine wood. Serial No. 447,221; Jan. 13. Class 4.
White's Inc., Richmond, Va. Salad dressing. Serial No. 448,746; Jan. 13. Class 46.
Wilcox-Gay Corporation, The, Charlotte, Mich. Phonographs for reproducing voice, music, and sound, etc., phonograph recording instruments, and combinations thereof. Serial No. 441,839; Jan. 13. Class 36.
Yarnall-Waring Company, Philadelphia, Pa. Impulse steam traps. Serial No. 448,444; Jan. 13. Class 13.
Yu-Ka Starch Corporation, Miami Beach, Fla. Laundry starch and starch used as a sizing. Serial No. 448,179; Jan. 13. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Accessocraft Products Co., New York, N. Y. Necklaces, bracelets, finger rings, earrings, etc. 392,815; Jan. 13; Serial No. 446,153; published Nov. 4, 1941. Class 28.
Agency Paper Company, New York, N. Y. Air-mail paper, air-mail envelopes, printing paper, etc. 392,830; Jan. 13; Serial No. 446,407; published Nov. 4, 1941. Class 37.
Aircraft Industries Corporation, Tenafly, N. J. Aircraft structural parts. 392,769; Jan. 13; Serial No. 445,249; published Nov. 4, 1941. Class 19.
Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Ignition gauges. 154,214; renewed Apr. 11, 1942.
Allied Paper Bag Corporation, Baltimore, Md. Bags of cellulose film. 392,718; Jan. 13; Serial No. 432,808; published Nov. 4, 1941. Class 2.
Amasia Importing Corporation, New York, N. Y. Panties, girdles, corsets, corselets, and foundations. 392,804; Jan. 13; Serial No. 445,972; published Oct. 28, 1941. Class 39.
American Lead Pencil Company, Hoboken, N. J. Lead pencils. 392,884; Jan. 13. Class 37.
Ames, Amelia, Inc., New York, N. Y. Dresses, coats, suits, etc. 392,880; Jan. 13. Class 39.
Anaconda Copper Mining Company, Anaconda and Butte, Mont., and New York, N. Y., to Anaconda Copper Mining Company, Butte, Mont. Fertilizers, particularly those containing phosphate. 154,867; renewed May 16, 1942.
Applebaum, Jack, Newark, N. J. Women's foundation garments. 392,789; Jan. 13; Serial No. 445,767; published Nov. 4, 1941. Class 39.
Baird, William McK., Chicago, Ill. Refrigerated locker units. 392,827; Jan. 13. Serial No. 446,310; published Nov. 4, 1941. Class 31.
Bankers Development Corporation, New York, N. Y. Joint signature cards, single signature cards, combination account statement, depositor's receipts, etc. 392,712; Jan. 13; Serial No. 429,967; published Oct. 7, 1941. Class 37.
Bar-Be-Chick Co., The. (See Hitchcock, Nelson.)
Barr and Stroud Limited, Anniesland, Glasgow, Scotland. Instruments of precision. 146,174; renewed Sept. 6, 1941.
Bates, Hamilton C., Chester, Conn. Knitting needles for hand use. 392,791–5; Jan. 13; Serial Nos. 445,793–7; published Oct. 14, 1941. Class 40.
Beckman, L., & Co., Hollywood, Calif. Chewing gum. 392,739; Jan. 13; Serial No. 441,851; published Nov. 4, 1941. Class 46.
Beckwith, Estate of P. D., Inc., assignor to Round Oak Company, Dowagiac, Mich. Hot-air and combined hot-air and hot water heaters and furnaces. 149,045; renewed Dec. 6, 1941.
Beneke Corporation, Columbus, Miss. Toilet seats. 392,889; Jan. 13. Class 13.
Benson, Warren E., to Regina R. Benson, Marietta, Ga., successor. Preparation for certain named purposes. 153,660; renewed Mar. 28, 1942.
Bernstein & Sons Shirt Corporation, New York, N. Y. Boys' blouses and shirts. 392,731–2; Jan. 13; Serial Nos. 440,535–6; published May 6, 1941. Class 39.
Best & Co., Inc., New York, N. Y. Dresses, coats, hats, etc. 392,858; Jan. 13. Class 39.
Best & Co., Inc., New York, N. Y. Ladies', women's, and misses' hats. 392,862; Jan. 13. Class 39.
Bethlehem Steel Company, Bethlehem, Pa. Guns for fixed and mobile artillery and naval guns. 155,383; renewed May 30, 1942.
Better Products Company. (See Brewer, Raymond.)
Binder Brothers, Inc., New York, N. Y. Jewelry. 155,385; renewed May 30, 1942.
Blank, Frederic, & Co., Inc., New York, N. Y. Coverings in the nature of treated fabrics adapted to be secured adhesively to walls. 392,754; Jan. 13; Serial No. 443,218; published Nov. 4, 1941. Class 50.
Bloomingdale Bros., Inc., New York, N. Y. Hats, coats, dresses, shoes, etc. 392,764; Jan. 13; Serial No. 444,787; published Oct. 14, 1941. Class 39.
Bodine Electric Company, Chicago, Ill. Monthly publication. 153,412; renewed Mar. 12, 1942.
Bonzette Foundations Inc., New York, N. Y. Brassières. 392,871; Jan. 13. Class 39.
Brauer Bros. Shoe Co., St. Louis, Mo. Shoes. 392,780; Jan. 13; Serial No. 445,682; published Oct. 7, 1941. Class 39.
Brewer, Raymond, doing business as Better Products Company, Marion, Ind. Handkerchiefs. 392,869; Jan. 13. Class 39.
Brown Bros., New York, N. Y. Ladies' hats. 392,807; Jan. 13; Serial No. 446,017; published Oct. 21, 1941. Class 39.
Browning King & Co., of New York, Inc., New York, N. Y. Men's and boys' suits, overcoats, topcoats, outer shirts, neckties, etc. 392,762; Jan. 13; Serial No. 444,395; published Oct. 28, 1941. Class 39.
Bulldog Electric Products Co., Detroit, Mich. Contacts for electrical switches. 392,800; Jan. 13; Serial No. 445,877; published Nov. 4, 1941. Class 21.
California Conserving Co., assignor to California Conserving Company, Incorporated, San Francisco, Calif. Foods and ingredients of foods. 152,700; renewed Mar. 7, 1942.
California Cordage Company, Stanton, Calif. Jute packing. 392,847; Jan. 13; Serial No. 446,962; published Nov. 4, 1941. Class 35.
California Olive Marketers, Inc., also doing business as The Olive Growers of California, Los Angeles and Terra Bella, Calif. Canned olives. 392,757; Jan. 13; Serial No. 443,681; published Nov. 4, 1941. Class 46.
Cameo Corporation. (See Cheek, Simmons L.)
Champion, R. C., doing business as Champion Seed Co., El Monte, Calif. Fresh melons. 392,883; Jan. 13. Class 46.
Champ-Items, Inc., St. Louis, Mo. Automotive service products. 392,771; Jan. 13; Serial No. 445,379; published Nov. 4, 1941. Class 19.
Cheek, Simmons L., Birmingham, Ala., assignor to Cameo Corporation, Chicago, Ill. Toilet preparations—namely, toilet cream, vanishing cream, shampoo, etc. 148,377; renewed Nov. 15, 1941.
Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. 392,747; Jan. 13; Serial No. 442,519; published Oct. 7, 1941. Class 39.
Chicago Mail Order Company, Chicago, Ill. Men's, women's and children's leather shoes. 392,728; Jan. 13; Serial No. 439,992; published July 29, 1941. Class 39.
Chicopee Sales Corporation, New York, N. Y. Babies' diapers and diaper pads. 392,809; Jan. 13; Serial No. 446,044; published Nov. 4, 1941. Class 39.
Chief Weavers, Inc., Albuquerque, N. Mex. Hand-woven neckties. 392,721; Jan. 13; Serial No. 435,081; published Oct. 28, 1941. Class 39.
Chrysler Corporation, Highland Park, Mich. Bearings for machinery, ball bearing retainers, machine chuck blocks, etc. 392,759; Jan. 13; Serial No. 443,916; published Nov. 4, 1941. Class 23.
Ciarlelli, Joseph, Waterbury, Conn. Hernia preventing belts. 392,849; Jan. 13; Serial No. 446,990; published Nov. 4, 1941. Class 44.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 392,848; Jan. 13; Serial No. 446,963; published Nov. 4, 1941. Class 42.
Cole, Rex, New York, N. Y. Electric short-wave high frequency apparatus used in the treatment of human and animal diseases, and electric diathermy apparatus. 392,761; Jan. 13; Serial No. 444,299; published Nov. 4, 1941. Class 44.
Colonial Provision Co. Inc., Boston, Mass. Smoked meat products in particular hams and pork shoulders. 392,743; Jan. 13; Serial No. 442,226; published Nov. 4, 1941. Class 46.
Connolly Shoe Co., Stillwater, Minn. Shoes. 392,767; Jan. 13; Serial No. 444,963; published Oct. 14, 1941. Class 39.
Container Corporation of America, Chicago, Ill. Paper board cartons. 392,874–5; Jan. 13. Class 2.
Continental Elastic Corporation, The, New Bedford, Mass. Narrow Elastic fabrics. 392,796; Jan. 13; Serial No. 445,805; published Oct. 21, 1941. Class 40.
Continental Mills, Inc., Philadelphia, Pa. Knitted and woven woolen and worsted cloths, jersey cloths, eiderdowns, chinchillas, etc. 392,801; Jan. 13; Serial No. 445,887; published Nov. 4, 1941. Class 42.
Cornell Tire & Rubber Co., The. (See Pep Boys, The,—Manny, Moe & Jack.)
Cowen Bros., New York, N. Y. Wrist watch straps. 392,798; Jan. 13; Serial No. 445,841; published Oct. 7, 1941. Class 40.
Crucible Steel Company of America. (See Halcomb Steel Company, assignor.)
Cultured Mushroom Industries, Inc., Seattle, Wash. Canned cultivated powdered mushrooms with salt. 392,740; Jan. 13; Serial No. 441,860; published Nov. 4, 1941. Class 46.
Dacy, Joe, Austin, Tex. Boots, shoes, and slippers made of leather and fabrics. 392,805; Jan. 13; Serial No. 445,977; published Oct. 28, 1941. Class 39.
Dairy Laboratories, The, Philadelphia, Pa. Antiseptics and deodorizers. 153,691; renewed Mar. 28, 1942.
Dare, Arthur, assignor to Mabelle R. Robinson, Philadelphia, Pa. Hemoglobinometers and hemoalkalimeters. 153,433; renewed Mar. 21, 1942.
Davies, William, Co., Inc., Chicago, Ill. Hams. 392,854; Jan. 13. Class 46.
Doane Products Corporation, The, Meriden, Conn. Translucent plastic sheets and plates. 392,837; Jan. 13; Serial No. 446,619; published Nov. 4, 1941. Class 50.
Dougherty & Co., Inc., assignor to L. J. Dougherty, New York, N. Y. Woolen piece goods. 392,867; Jan. 13. Class 42.
Duro Metal Products, Inc., Providence, R. I. Lawn rakes. 392,818; Jan. 13; Serial No. 446,195; published Nov. 4, 1941. Class 23.
Duro Metal Products, Inc., Providence, R. I. Lawn rakes. 392,821; Jan. 13; Serial No. 446,229; published Nov. 4, 1941. Class 23.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead-pencils. 148,820; renewed Nov. 29, 1941.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Rubber gloves and aprons. 392,751; Jan. 13; Serial No. 442,833; published Oct. 14, 1941. Class 39.

Ehlenberger, Geo. & Co., Inc., New York, N. Y., and Miami, Fla. Eggs. 392,810; Jan. 13; Serial No. 446,103; published Nov. 4, 1941. Class 46.

Electreat Manufacturing Company. (See Kent, Charles W.)

Elgin National Watch Company, Elgin, Ill. Watch oil. 392,829; Jan. 13; Serial No. 446,386; published Nov. 4, 1941. Class 15.

Eline's Incorporated, Milwaukee, Wis. Chocolate. 154,786; renewed May 9, 1942.

Fahrney, Dr. Peter, & Sons Co., The, Chicago, Ill. Tonic. 155,416; renewed May 30, 1942.

Fikany, James A., Rochester, N. Y. Shoes. 392,733; Jan. 13; Serial No. 440,585; published Oct. 14, 1941. Class 39.

Fitwell Hosiery, Inc., Milwaukee, Wis. Ladies' hosiery. 392,868; Jan. 13. Class 39.

Fix-All Products, Inc., New York, N. Y. Liquid glue, adhesive cement, paste, and mucilage. 392,877; Jan. 13. Class 5.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. 392,748; Jan. 13; Serial No. 442,656; published Oct. 7, 1941. Class 39.

French Art Silk Creations Co. (See Tardy, Suzanne.)

General Chemical Company, New York, N. Y. Publication. 155,232; renewed May 23, 1942.

General Motors Corporation, Detroit, Mich. Removable ice trays. 392,855–7; Jan. 13. Class 31.

Gimbel Brothers, Inc., New York, N. Y. Muslin sheets and pillow cases, cotton terry towels and wash cloths, and blankets, etc. 392,840; Jan. 13; Serial No. 446,754; published Nov. 4, 1941. Class 42.

Globe Grain & Milling Company, Los Angeles, Calif., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Poultry food, animal-feeding stuffs, vegetable oils, flours, meals, cereals. 152,791; renewed Mar. 7, 1942.

Globe-Union Inc., Milwaukee, Wis. Storage batteries and spark plugs. 392,713; Jan. 13; Serial No. 430,395; published June 25, 1940. Class 21.

Goodall Worsted Company, Sanford, Maine. Piece goods of animal fibers, such as mohair, wool, etc., vegetable fibers, also synthetics. 392,841; Jan. 13; Serial No. 446,830; published Nov. 4, 1941. Class 42.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Belts made of rubber reinforced with fabric. 392,853; Jan. 13; Serial No. 447,267; published Nov. 4, 1941. Class 35.

Green, J. M. Co., Inc., New York, N. Y. Neckties, mufflers, and scarfs. 392,749; Jan. 13; Serial No. 442,699; published Nov. 4, 1941. Class 39.

Grover, J. J., Shoe Company, Boston, Mass. Shoes. 392,781; Jan. 13; Serial No. 445,723; published Oct. 21, 1941. Class 39.

Haartz-Mason-Grower Company, Watertown, Mass. Rubberized fabrics. 392,828; Jan. 13; Serial No. 446,357; published Nov. 4, 1941. Class 50.

Haas, Baruch & Co., Los Angeles, Calif. Foods and ingredients of foods. 153,740; renewed Mar. 28, 1942.

Hagerstown Rubber Company, The, Hagerstown, Md. Rubber heels and soles. 392,859; Jan. 13. Class 39.

Halcomb Steel Company, Syracuse, assignor to Crucible Steel Company of America, New York, N. Y. Ferrous-alloy steels. 148,851–2; renewed Nov. 29, 1941.

Halcomb Steel Company, Syracuse, assignor to Crucible Steel Company of America, New York, N. Y. Ferrous alloy steels. 148,853; renewed Nov. 29, 1941.

Hampton Furniture Shops, Inc., New York, N. Y. Tables, chairs, desks, etc. 392,881; Jan. 13. Class 32.

Hat Corporation of America, Norwalk, Conn. Hats for men. 392,822; Jan. 13; Serial No. 446,233; published Oct. 14, 1941. Class 39.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Non-electrical hair curlers. 392,782; Jan. 13; Serial No. 445,733; published Oct. 14, 1941. Class 40.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Plastic covered chains. 392,872; Jan. 13. Class 28.

Hirsch, S. H. (See Henry, Sidney.)

Hitchcock, Nelson, doing business as The Bar-Be-Chick Co., Donelson, Tenn. Canned meat product. 392,850; Jan. 13; Serial No. 447,020; published Nov. 4, 1941. Class 46.

Horton Manufacturing Company, The, Bristol, Conn. Golf clubs. 392,866; Jan. 13. Class 22.

Hub-Henry C. Lytton & Sons, The, Chicago, Ill. Suits, overcoats, hats, neckties, etc. 392,714; Jan. 13; Serial No. 431,356; published Oct. 21, 1941. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Women's shoes made of leather, fabric, and combinations thereof. 392,819; Jan. 13; Serial No. 446,199; published Oct. 28, 1941. Class 39.

Huggins, Walter H., to James Huggins & Son, Malden, Mass. Disinfectants, deodorizers, fumigators, and antiseptics. 155,450; renewed May 30, 1942.

Ibberson, George, & Co., Sheffield, England. Cutlery of base metal—namely, pocket knives, table knives, and scissors. 392,752; Jan. 13; Serial No. 442,905; published Nov. 4, 1941. Class 23.

Ille Electric Corporation, New York, N. Y. Therapy tanks. 392,888; Jan. 13. Class 44.

Imperial Glass Corporation, Bellaire, Ohio. Glassware—namely, flower receptacles and holders, dresser sets, candy jars, etc. 392,737; Jan. 13; Serial No. 441,539; published Nov. 4, 1941. Class 33.

Import Stylists, Inc., New York, N. Y. Knitted sweaters, hats, and twin sweater sets, etc. 392,777; Jan. 13; Serial No. 445,579; published Oct. 21, 1941. Class 39.

Joyce, Inc., Pasadena, Calif. Shoes. 392,765; Jan. 13; Serial No. 444,829; published Oct. 21, 1941. Class 39.

Joyce, Inc., Pasadena, Calif. Footwear. 392,863; Jan. 13. Class 39.

Kahn Tailoring Company, Indianapolis, Ind. Men's clothes. 149,129; renewed Dec. 6, 1941.

Kanotex Refining Company, The, Arkansas City, Kans. Gasoline and other petroleum products. 392,842; Jan. 13; Serial No. 446,841; published Nov. 4, 1941. Class 15.

Kartiganer, Charles, doing business as Kartiganer & Co., New York, N. Y. Women's hats. 392,864; Jan. 13. Class 39.

Kent, Charles W., doing business as Electreat Manufacturing Company, Peoria, Ill. Electric massage machines. 392,845; Jan. 13; Serial No. 446,919; published Nov. 4, 1941. Class 44.

Klein Manufacturing Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Sears, Roebuck and Co., Chicago, Ill. Paints for wood, iron, tin, or steel, structural iron, etc. 150,870; renewed Jan. 10, 1942.

Kleinert, I. B., Rubber Company, New York, N. Y. Pantie girdles, girdles, corsets, etc. 392,729; Jan. 13; Serial No. 440,047; published Apr. 8, 1941. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 392,861; Jan. 13. Class 40.

Kohn, David, Albany, N. Y. Cushion insoles and heel-pads. 392,878; Jan. 13. Class 39.

Kroells Bros., Ltd., Lindsay, Calif. Fresh citrus fruits. 392,727; Jan. 13; Serial No. 439,778; published Apr. 8, 1941. Class 46.

Kutnow, S., & Co., London, assignor to S. Kutnow & Co. Limited, Leeds, England. Effervescent Carlsbad powders. 19,422; re-renewed May 5, 1941.

Laboratory Associates, East Orange, assignor to John A. Millar Laboratory Associates, Inc., Newark, N. J. Device for locating the position of heavenly bodies, including the stars and constellations. 392,756; Jan. 13; Serial No. 443,607; published Nov. 4, 1941. Class 26.

Lances, Edith, Brassieres, New York, N. Y. Shoulder straps. 392,719; Jan. 13; Serial No. 434,282; published Nov. 4, 1941. Class 40.

Lauer, Max, New York, N. Y. Ladies' and misses' shoes and slippers. 392,797; Jan. 13; Serial No. 445,814; published Oct. 7, 1941. Class 39.

Lawrence Converters Inc., New York, N. Y. Sheets, pillow cases, blankets, etc. 392,755; Jan. 13. Serial No. 443,419; published June 24, 1941. Class 42.

Letourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Portable industrial cranes. 392,806; Jan. 13; Serial No. 445,990; published Nov. 4, 1941. Class 23.

Lorna Watch Corp., New York, N. Y. Watches, clocks, and parts thereof. 392,836; Jan. 13. Serial No. 446,579; published Nov. 4, 1941. Class 27.

Ludwig Mfg. Co., Inc., Racine, Wis. Holders for glass coffee makers. 392,744; Jan. 13; Serial No. 442,325; published June 24, 1941. Class 13.

Malat, Phil, Company, Inc., Minneapolis, Minn. Fresh citrus fruits and vegetables. 392,876; Jan. 13. Class 46.

Malt Corporation of America, Buchanan, Mich. Pancake flours. 392,709; Jan. 13; Serial No. 427,548; published Nov. 4, 1941. Class 46.

Manne & Weill. (See Weill, Alexander J.)

Marshall Field & Company, Chicago, Ill. Lace curtains. 392,843; Jan. 13; Serial No. 446,867; published Nov. 4, 1941. Class 42.

Marshall Field & Company, Chicago, Ill. Lace curtains. 392,844; Jan. 13; Serial No. 446,869; published Nov. 4, 1941. Class 42.

Marshall Field & Company, Chicago, Ill. Mattresses. 392,886–7; Jan. 13. Class 32.

Matthews, H. Paul, Baltimore, Md. Butter, lard, and sausage. 150,469; renewed Jan. 3, 1942.

Messinger, Lewis, New York, N. Y. Hair nets. 392,865; Jan. 13. Class 39.

Middleton, John, Inc., Philadelphia, Pa. Cigarettes. 392,834; Jan. 13; Serial No. 446,549; published Nov. 4, 1941. Class 17.

Miller & Hollis, Inc., Boston, Mass. Chocolates. 392,851; Jan. 13; Serial No. 447,071; published Nov. 4, 1941. Class 46.

Millar, John A., Laboratory Associates, Inc. (See Laboratory Associates, assignor.)

Model Shoe Company, The, Cincinnati, Ohio. Shoes made of leather, fabric, or rubber or a combination of said materials. 392,758; Jan. 13; Serial No. 443,696; published Oct. 28, 1941. Class 39.

Morrell, John & Co., Ottumwa, Iowa. Canned pork loaf. 392,726; Jan. 13; Serial No. 439,116; published Nov. 4, 1941. Class 46.

Nascon Service, Inc., New York, N. Y. Diaries, appointment books, calendar books, etc. 392,820; Jan. 13; Serial No. 446,213; published Nov. 4, 1941. Class 37.

National Asbestos Manufacturing Co., Jersey City, N. J., assignor to United States Gypsum Company, Chicago, Ill. Prepared roofing. 150,490; renewed Jan. 3, 1942.

National Asbestos Manufacturing Co., Jersey City, N. J., assignor to United States Gypsum Company, Chicago, Ill. Prepared roofing. 152,467; renewed Feb. 28, 1942.

National Chemical Company, Detroit, Mich. Wash cubes. 392,710; Jan. 13; Serial No. 428,248; published Nov. 4, 1941. Class 4.

National Enameling & Stamping Company, Milwaukee, Wis. Oil stoves and ranges and parts thereof. 392,831; Jan. 13; Serial No. 446,435; published Nov. 4, 1941. Class 34.

National Home Products Inc., New York, N. Y. Detergent and cleaning compound in powder or granular form for all painted surfaces, wax remover, floor cleaner, etc. 392,753; Jan. 13; Serial No. 443,012; published Nov. 4, 1941. Class 4.

National Packing Company, Isleton, Calif. Canned vegetables and canned hot sauce made from tomatoes, salt, and spices. 392,852; Jan. 13; Serial No. 447,105; published Nov. 4, 1941. Class 46.

National Screw & Manufacturing Company, The, Cleveland, Ohio. Lock nuts. 392,816; Jan. 13; Serial No. 446,173; published Nov. 4, 1941. Class 13.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollowware, and tableware. 392,860; Jan. 13. Class 28.

New Era Optical Co., Chicago, Ill. Measuring and scientific appliances. 150,918; renewed Jan. 10, 1942.

Newman, Morris, assignor to Nuzan Brassiere Co. Inc., New York, N. Y. Brassières, corsets, girdles, etc. 392,720; Jan. 13; Serial No. 434,543; published Nov. 4, 1941. Class 39.

Norris Incorporated, Atlanta, Ga. Candy. 392,790; Jan. 13; Serial No. 445,777; published Nov. 4, 1941. Class 46.

Northwestern Seed Growers, Inc., Moscow, Idaho. Field seed, grain seed, grass seed, etc. 392,724; Jan. 13; Serial No. 436,871; published Apr. 1, 1941. Class 1.

Northwestern Yeast Company, Chicago, Ill. Ingredient for use in making bread. 392,802; Jan. 13; Serial No. 445,955; published Nov. 4, 1941. Class 46.

Nuzan Brassiere Co. Inc. See Newman, Morris, assignor.)

Olive Growers of California, The. (See California Olive Marketers, Inc.)

Owens-Illinois Glass Company, Toledo, Ohio. Glass bottles and jars. 392,826; Jan. 13; Serial No. 446,302; published Nov. 4, 1941. Class 33.

Parker, Elgin R., doing business as Southern Water Heater Company, Compton, Calif. Automatic storage gas water heaters. 392,725; Jan. 13; Serial No. 437,963; published Nov. 4, 1941. Class 34.

Peerco, Inc., Park Ridge, Ill. House number signs. 392,772; Jan. 13; Serial No. 445,528; published Nov. 4, 1941. Class 50.

Peerless Manufacturing Corp. Incorporated, Louisville, Ky. Radiant gas heaters. 392,839; Jan. 13; Serial No. 446,744; published Nov. 4, 1941. Class 34.

Penn Craft Hat Company, Philadelphia, Pa. Hats and caps. 392,742; Jan. 13; Serial No. 442,049; published Oct. 21, 1941. Class 39.

Pep Boys, The.—Manny, Moe & Jack, doing business as The Cornell Tire & Rubber Co., Philadelphia, Pa. Tire valve caps and tire valve cores. 392,870; Jan. 13. Class 13.

Perkins, Charles B., Co., Boston, Mass. Smoking tobacco. 392,763; Jan. 13; Serial No. 444,468; published Nov. 4, 1941. Class 17.

Pickard, Ben, Chicago, Ill. Hair waves nets. 392,778; Jan. 13; Serial No. 445,639; published Oct. 14, 1941. Class 39.

Pillsbury Flour Mills Company. (See Globe Grain & Milling Company, assignor.)

Pitt, C. M., & Sons Co., The, Baltimore, Md. Bottled cherries and cherries in bulk packed in syrup. 392,783; Jan. 13; Serial No. 445,749; published Nov. 4, 1941. Class 46.

Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md., to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Brushes. 151,353; renewed Jan. 31, 1942.

Pott, F. B., Missoula, Mont. Artificial flies or fishing lures. 392,730; Jan. 13; Serial No. 440,380; published Nov. 4, 1941. Class 22.

Preston, Horace G., Co., Detroit, Mich. Leather packings. 150,064; renewed Dec. 27, 1941.

Quirin, William E., New York, N. Y. Gloves. 392,817; Jan. 13; Serial No. 446,177; published Nov. 4, 1941. Class 39.

Rasmussen Shoe Company, Westboro, Mass. Women's shoes. 392,799; Jan. 13; Serial No. 445,860; published Oct. 21, 1941. Class 39.

Raygram Corporation, New York, N. Y. Photographic print rollers, swivel tops for application to camera tripods and darkroom aprons. 392,823; Jan. 13; Serial No. 446,242; published Nov. 4, 1941. Class 26.

Riverbank Wine Co. (See Salomone, Salvatore A.)

Roach Musser Company, Muscatine, Iowa. Door trim and window trim. 392,846; Jan. 13; Serial No. 446,926; published Nov. 4, 1941. Class 12.

Robinson, Mabelle R. (See Dare, Arthur, assignor.)

Rosewood Grain Company, The, Rosewood, Ohio. Feeds for cattle, hogs, sheep, horses, and poultry. 392,745; Jan. 13; Serial No. 442,337; published Nov. 4, 1941. Class 46.

Round Oak Company. (See Beckwith, Estate of P. D., Inc., assignor.)

Salomone, Salvatore A., doing business as Riverbank Wine Co., Brooklyn, N. Y. Wines. 392,750; Jan. 13; Serial No. 442,804; published Sept. 23, 1941. Class 47.

Santa Fe Hand Woven Fabrics, Inc., Santa Fe, N. Mex. Neckties. 392,711; Jan. 13; Serial No. 429,505; published Oct. 7, 1941. Class 39.

Sayford, Frank M., Co., Inc., Brooklyn, N. Y. Ornamental wall plaques. 392,879; Jan. 13. Class 50.

Scherl & Roth, Inc., Cleveland, Ohio. Cornets, trumpets, altos, etc. 392,873; Jan. 13. Class 36.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Extensions for low shoe uppers to prevent heel slipping. 392,824; Jan. 13; Serial No. 446,280; published Oct. 14, 1941. Class 39.

Sea Island Mills, Inc., New York, N. Y. Water repellent fabrics. 392,835; Jan. 13; Serial No. 446,553; published Nov. 4, 1941. Class 50.

Sears, Roebuck and Co. (See Klein Manufacturing Company, assignor.)

Sears, Roebuck and Co., Chicago, Ill. Sanitary napkins. 392,734–5; Jan. 13; Serial Nos. 440,959–60; published Nov. 4, 1941. Class 44.

Sebastopol Fruit Growers Association, Sebastopol, Calif. Fresh deciduous fruits. 392,813; Jan. 13; Serial No. 446,147; published Nov. 4, 1941. Class 46.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 392,773–4; Jan. 13; Serial Nos. 445,534–5; published Oct. 21, 1941. Class 39.

Selig Company, Inc., The, Atlanta, Ga. Finish in the nature of a varnish for gymnasium floors. 392,784; Jan. 13; Serial No. 445,752; published Nov. 4, 1941. Class 16.

Sherman Brothers Mfg. Co., The, South Norwalk, Conn. Shoes and slippers. 392,760; Jan. 13; Serial No. 444,203; published Nov. 4, 1941. Class 39.

Sherwin Williams Company, The, Cleveland, Ohio. Paints in liquid, semipaste, and paste forms. 154,150; renewed Apr. 4, 1942.

Sherwin Williams Company, The, Cleveland, Ohio. Construction materials. 154,161; renewed Apr. 4, 1942.

Sherwin Williams Company, The, Cleveland, Ohio. Chemicals, medicines, and pharmaceutical preparations. 154,384; renewed Apr. 11, 1942.

Sherwin Williams Company, The, Cleveland, Ohio. Glue. 155,078; renewed May 16, 1942.

Sherwin Williams Company, The, Cleveland, Ohio. Inks and inking material. 155,286; renewed May 23, 1942.

Silson Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. 392,838; Jan. 13; Serial No. 446,669; published Nov. 4, 1941. Class 28.

Simon, Franklin, & Co., Inc., New York, N. Y. Dresses. 392,891; Jan. 13. Class 39.

Snap Chemical Company, Chicago, Ill. Cleaner for silver and the like. 392,741; Jan. 13; Serial No. 441,928; published Nov. 4, 1941. Class 4.

Solash, Max, Linden, N. J. Women's and girls' hats. 392,890; Jan. 13. Class 39.

Southern Water Heater Company. (See Parker, Elgin R.)

Southwest Berry Exchange, Inc., Los Angeles, Calif. Fresh vegetables and melons. 392,811; Jan. 13; Serial No. 446,118; published Nov. 4, 1941. Class 46.

Springfield Seed Co., Springfield, Mo. Farm seed—namely, clover, timothy, redtop, alfalfa, cane, millet. 154,156; renewed Apr. 4, 1942.

Standard Garment Co. Inc., New York, N. Y. Ladies', misses', and girls' dresses, outer-skirts, blouses, etc. 392,814; Jan. 13; Serial No. 446,149; published Oct. 28, 1941. Class 39.

Stein, A., & Company, Chicago, Ill. Suspenders. 392,775; Jan. 13; Serial No. 445,537; published Oct. 7, 1941. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 392,885; Jan. 13. Class 39.

Stetson, John B., Company, Philadelphia, Pa. Men's felt hats. 392,833; Jan. 13; Serial No. 446,536; published Nov. 4, 1941. Class 39.

Stevens, J. P., & Company, Incorporated, New York, N. Y. Wool and rayon, gabardine, whipcord, and cavalry twill. 392,825; Jan. 13; Serial No. 446,281; published Nov. 4, 1941. Class 42.

Stewart-Warner Corporation, Chicago, Ill. Refrigerators. 392,785; Jan. 13; Serial No. 445,757; published Nov. 4, 1941. Class 31.

Stroock, S., & Co., Inc., New York, N. Y. Piece goods of alpaca, kid mohair, and fine wool. 392,803; Jan. 13; Serial No. 445,966; published Nov. 4, 1941. Class 42.

Sunrise Soda Water Works Co., Ltd., Honolulu, Hawaii. Maltless beverage. 392,723; Jan. 13; Serial No. 435,924; published Nov. 5, 1940. Class 45.

Sunset Oil Company, Los Angeles, Calif. Gasoline. 392,717; Jan. 13; Serial No. 432,320; published Jan. 28, 1941. Class 15.

Swedlin, J., Inc., New York, N. Y. Stuffed toys. 392,882; Jan. 13. Class 22.

Swiss Radium & Dial Painting Co. Inc., The, New York, N. Y. Watch cases, dials, and movements thereof, and clocks. 392,779; Jan. 13; Serial No. 445,644; published Nov. 4, 1941. Class 27.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Cellulose sausage casings. 392,832; Jan. 13; Serial No. 446,470; published Nov. 4, 1941. Class 2.
Tardy, Suzanne, doing business as French Art Silk Creations Co., New York, N. Y. Neckties, scarfs, bathrobes, shirts, etc. 392,808; Jan. 13; Serial No. 446,033; published Oct. 21, 1941. Class 39.
Teca Corporation, New York, N. Y. Electrotherapeutic apparatus and equipment therefor. 392,770; Jan. 13; Serial No. 445,308; published Nov. 4, 1941. Class 44.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Bomb or projectile. 392,768; Jan. 13; Serial No. 445,162; published Nov. 4, 1941. Class 9.
Trager Manufacturing Company, Inc., Scranton, Pa. Insecticides. 155,543; renewed May 30, 1942.
United Metals Refining Company, Detroit, Mich. Nonferrous metals. 392,715; Jan. 13; Serial No. 432,053; published Apr. 1, 1941. Class 14.
United States Gypsum Company, Chicago, Ill. Plaster wall board. 153,038; renewed Mar. 7, 1942.
United States Gypsum Company. (See National Asbestos Manufacturing Co., assignor.)
Vanity Fair Silk Mills, Reading, Pa. Underwear, sleeping garments, hosiery, etc. 392,786–7; Jan. 13; Serial Nos. 445,762–3; published Oct. 21, 1941. Class 39.
Vanity Fair Silk Mills, Reading, Pa. Nightgowns, pajamas, bed jackets, and dressing gowns. 392,788; Jan. 13; Serial No. 445,764; published Oct. 21, 1941. Class 39.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fasteners. 392,738; Jan. 13; Serial No. 441,654; published Nov. 4, 1941. Class 13.
Warren, S. D., Company, Boston, Mass. Printing paper. 155,114; renewed May 16, 1942.
Weill, Alexander J., doing business as Manne & Weill, New York, N. Y. Fabric gloves. 392,766; Jan. 13; Serial No. 444,885; published Nov. 4, 1941. Class 39.
Wembley, Inc., New Orleans, La. Neckties and scarfs. 392,776; Jan. 13; Serial No. 445,540; published Oct. 21, 1941. Class 39.
Western Cartridge Company, East Alton and Springfield, assignor to Western Cartridge Company, East Alton, Ill. Targets and traps. 149,543–4; renewed Dec. 13, 1941.
Western Non-Metallic Products Co., Midvale, Utah. Certain gums—namely, gums composed of asphaltic and semi-asphaltic pyro-bitumens, asphaltites, etc. 392,722; Jan. 13; Serial No. 435,152; published Nov. 4, 1941. Class 1.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental floss. 392,812; Jan. 13; Serial No. 446,121; published Nov. 4, 1941. Class 44.
Whiteside, Virginia B., doing business as Whiteside Farms, Van Buren, Ark. Fresh sweet corn. 392,736; Jan. 13; Serial No. 441,270; published Nov. 4, 1941. Class 46.
Zeiss, Carl, Jena, Germany. Lenses for scientific use, prisms, reflectors, etc. 392,716; Jan. 13; Serial No. 432,289; published Nov. 4, 1941. Class 26.
Zeiss, Carl, Jena, Germany. Lenses for scientific use, prisms, reflectors for scientific use, etc. 392,746; Jan. 13; Serial No. 442,382; published Nov. 4, 1941. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Gums, Certain. Western Non-Metallic Products Co. 392,722; Jan. 13; Serial No. 435,152; published Nov. 4, 1941.
Seed, Farm. Springfield Seed Co. 154,156; renewed Apr. 4, 1942.
Seed, grain seed, grass seed, etc., Field. Northwestern Seed Growers, Inc. 392,724; Jan. 13; Serial No. 436,871; published Apr. 1, 1941.

CLASS 2

Bags of cellulose film. Allied Paper Bag Corporation. 392,718; Jan. 13; Serial No. 432,808; published Nov. 4, 1941.
Cartons, Paper board. Container Corporation of America. 392,874–5; Jan. 13.
Casings, Cellulose sausage. Sylvania Industrial Corporation. 392,832; Jan. 13; Serial No. 446,470; published Nov. 4, 1941.

CLASS 4

Cleaner for silver and the like. Snap Chemical Company. 392,741; Jan. 13; Serial No. 441,928; published Nov. 4, 1941.
Detergent and cleaning compound in powder or granular form, wax remover, floor cleaner, etc. National Home Products Inc. 392,753; Jan. 13; Serial No. 443,012; published Nov. 4, 1941.
Wash cubes. National Chemical Company. 392,710; Jan. 13; Serial No. 428,248; published Nov. 4, 1941.

CLASS 5

Glue, Sherwin Williams Company. 155,578; renewed May 16, 1942.
Glue, adhesive cement, paste, and mucilage, Liquid. Fix-All Products, Inc. 392,877; Jan. 13.

CLASS 6

Antiseptics and deodorizers. Dairy Laboratories. 153,691; renewed Mar. 28, 1942.
Carlsbad powders. Effervescent. S. Kutnow & Co. 19,422; re-renewed May 5, 1941.
Chemicals, medicines, and pharmaceutical preparations. Sherwin Williams Company. 154,384; renewed Apr. 11, 1942.
Disinfectants, deodorizers, fumigators, and antiseptics. W. H. Huggins. 155,450; renewed May 30, 1942.
Insecticides. Trager Manufacturing Company. 155,543; renewed May 30, 1942.
Preparation. W. E. Benson. 153,660; renewed Mar. 28, 1942.
Toilet preparations—namely, toilet cream, vanishing cream, shampoo, etc. S. L. Cheek. 148,377; renewed Nov. 15, 1941.
Tonic. Dr. Peter Fahrney & Sons Co. 155,416; renewed May 30, 1942.

CLASS 9

Bomb or projectile. Tokheim Oil Tank and Pump Company. 392,768; Jan. 13; Serial No. 445,162; published Nov. 4, 1941.
Guns for fixed and mobile artillery and naval guns. Bethlehem Steel Company. 155,383; renewed May 30, 1942.

CLASS 10

Fertilizers. Anaconda Copper Mining Company. 154,867; renewed May 16, 1942.

CLASS 11

Inks and inking material. Sherwin Williams Company. 155,286; renewed May 23, 1942.

CLASS 12

Construction materials. Sherwin Williams Company. 154,161; renewed Apr. 4, 1942.
Door trim and window trim. Roach & Musser Company. 392,846; Jan. 13; Serial No. 446,926; published Nov. 4, 1941.
Roofing, Prepared. National Asbestos Manufacturing Co. 150,490; renewed Jan. 3, 1942.
Roofing, Prepared. National Asbestos Manufacturing Co. 152,467; renewed Feb. 28, 1942.
Wall board, Plaster. United States Gypsum Company. 153,038; renewed Mar. 7, 1942.

CLASS 13

Fasteners, Slide. Waldes Koh-I-Noor, Inc. 392,738; Jan. 13; Serial No. 441,654; published Nov. 4, 1941.
Holders for glass coffee makers. Ludwig Mfg. Co. 392,744; Jan. 13; Serial No. 442,325; published June 24, 1941.
Nuts, Lock. National Screw & Manufacturing Company. 392,816; Jan. 13; Serial No. 446,173; published Nov. 4, 1941.
Tire valve caps and tire valve cores. Pep Boys—Manny, Moe & Jack. 392,870; Jan. 13.
Toilet seats. Beneke Corporation. 392,889; Jan. 13.

CLASS 14

Steels, Ferrous-alloy. Halcomb Steel Company. 148,851–3; renewed Nov. 29, 1941.
Metals, Non-ferrous. United Metals Refining Company. 392,715; Jan. 13; Serial No. 432,053; published Apr. 1, 1941.

CLASS 15

Gasoline. Sunset Oil Company. 392,717; Jan. 13; Serial No. 432,320; published Jan. 28, 1941.
Gasoline and other petroleum products. Kanotex Refining Company. 392,842; Jan. 13; Serial No. 446,841; published Nov. 4, 1941.
Watch oil. Elgin National Watch Company. 392,829; Jan. 13; Serial No. 446,386; published Nov. 4, 1941.

CLASS 16

Finish in the nature of a varnish for gymnasium floors. Selig Company. 392,784; Jan. 13; Serial No. 445,752; published Nov. 4, 1941.
Paints. Klein Manufacturing Company. 150,870; renewed Jan. 10, 1942.
Paints in liquid, semipaste, and paste forms. Sherwin Williams Company. 154,150; renewed Apr. 4, 1942.

CLASS 17

Cigarettes. John Middleton Inc. 392,834; Jan. 13; Serial No. 446,549; published Nov. 4, 1941.
Tobacco, Smoking. Charles B. Perkins Co. 392,763; Jan. 13; Serial No. 444,468; published Nov. 4, 1941.

CLASS 19

Aircraft structural parts. Aircraft Industries Corporation. 392,769; Jan. 13; Serial No. 445,249; published Nov. 4, 1941.
Automotive service products. Champ-Items, Inc. 392,771; Jan. 13; Serial No. 445,379; published Nov. 4, 1941.

CLASS 21

Batteries and spark plugs, Storage. Globe-Union Inc. 392,713; Jan. 13; Serial No. 430,395; published June 25, 1940.
Contacts for electrical switches. Bulldog Electric Products Co. 392,800; Jan. 13; Serial No. 445,877; published Nov. 4, 1941.

CLASS 22

Flys or fishing lures, Artificial. F. B. Pott. 392,730; Jan. 13; Serial No. 440,380; published Nov. 4, 1941.
Golf clubs. Horton Manufacturing Company. 392,866; Jan. 13.
Targets and traps. Western Cartridge Company. 149,543–4; renewed Dec. 13, 1941.
Toys, Stuffed. J. Swedlin, Inc. 392,882; Jan. 13.

CLASS 23

Bearings for machinery, ball bearing retainers, machine chuck blocks, etc. Chrysler Corporation. 392,759; Jan. 13; Serial No. 443,916; published Nov. 4, 1941.
Cranes, Portable industrial. R. G. Letourneau, Inc. 392,806; Jan. 13; Serial No. 445,990; published Nov. 4, 1941.
Cutlery of base metal. George Ibberson & Co. 392,752; Jan. 13; Serial No. 442,905; published Nov. 4, 1941.
Rakes, Lawn. Duro Metal Products, Inc. 392,818; Jan. 13; Serial No. 446,195; published Nov. 4, 1941.
Rakes, Lawn. Duro Metal Products, Inc. 392,821; Jan. 13; Serial No. 446,229; published Nov. 4, 1941.

CLASS 26

Device for locating the position of heavenly bodies. Laboratory Associates. 392,756; Jan. 13; Serial No. 443,607; published Nov. 4, 1941.
Gauges, Ignition. Air Reduction Company. 154,214; renewed Apr. 11, 1942.
Lenses for scientific use, prisms, reflectors, etc. C. Zeiss. 392,716; Jan. 13; Serial No. 432,289; published Nov. 4, 1941.
Lenses for scientific use, prisms, reflectors for scientific use, etc. C. Zeiss. 392,746; Jan. 13; Serial No. 442,382; published Nov. 4, 1941.
Measuring and scientific appliances. New Era Optical Co. 150,918; renewed Jan. 10, 1942.
Photographic print rollers, swivel tops for application to camera tripods, etc. Raygram Corporation. 392,823; Jan. 13; Serial No. 446,242; published Nov. 4, 1941.
Precision instruments. Barr and Stroud Limited. 146,174; renewed Sept. 6, 1941.

CLASS 27

Watch cases, dials, and movements thereof and clocks. Swiss Radium & Dial Painting Co. Inc. 392,779; Jan. 13; Serial No. 445,644; published Nov. 4, 1941.
Watches, clocks, and parts thereof. Lorna Watch Corp. 392,836; Jan. 13; Serial No. 446,579; published Nov. 4, 1941.

CLASS 28

Chains, Plastic covered. Hickok Manufacturing Company. 392,872; Jan. 13.
Jewelry. Binder Brothers, Inc. 155,385; renewed May 30, 1942.
Necklaces and bracelets, finger rings, earrings, etc. Silson Inc. 392,838; Jan. 13; Serial No. 446,669; published Nov. 4, 1941.
Necklaces, bracelets, finger rings, earrings, etc. Accessocraft Products Co. 392,815; Jan. 13; Serial No. 446,153; published Nov. 4, 1941.
Sterling silver and silver plated flatware, hollowware, and tableware. National Silver Company. 392,860; Jan. 13.

CLASS 29

Brushes. Pittsburgh Plate Glass Company, Rennous-Kleinle Division. 151,353; renewed Jan. 31, 1942.

CLASS 31

Ice trays, Removable. General Motors Corporation. 392,855–7; Jan. 13.
Refrigerated locker units. W. McK. Baird. 392,827; Jan. 13; Serial No. 446,310; published Nov. 4, 1941.
Refrigerators. Stewart-Warner Corporation. 392,785; Jan. 13; Serial No. 445,757; published Nov. 4, 1941.

CLASS 32

Mattresses. Marshall Field & Company. 392,886–7; Jan. 13.
Tables, chairs, desks, etc. Hampton Furniture Shops, Inc. 392,881; Jan. 13.

CLASS 33

Bottles and jars, Glass. Owens-Illinois Glass Company. 392,826; Jan. 13; Serial No. 446,302; published Nov. 4. 1941.
Glassware. Imperial Glass Corporation. 392,737; Jan. 13; Serial No. 441,539; published Nov. 4, 1941.

CLASS 34

Heaters and furnaces, Hot-air and combined hot-air and hot water. Estate of P. D. Beckwith, Inc. 149,045; renewed Dec. 6, 1941.
Heaters, Automatic storage gas water. E. R. Parker. 392,725; Jan. 13; Serial No. 437,963; published Nov. 4, 1941.
Heaters, Radiant gas. Peerless Manufacturing Corp. Incorporated. 392,839; Jan. 13; Serial No. 446,744; published Nov. 4, 1941.
Stoves and ranges and parts thereof, Oil. National Enameling & Stamping Company. 392,831; Jan. 13; Serial No. 446,435; published Nov. 4, 1941.

CLASS 35

Belts. B. F. Goodrich Company. 392,853; Jan. 13; Serial No. 447,267; published Nov. 4, 1941.
Packing, Jute. California Cordage Company. 392,847; Jan. 13; Serial No. 446,962; published Nov. 4, 1941.
Packings, Leather. Horace G. Preston Co. 150,064; renewed Dec. 27, 1941.

CLASS 36

Cornets, trumpets, altos, etc. Scherl & Roth, Inc. 392,873; Jan. 13.

CLASS 37

Diaries, appointment books, calendar books, etc. Nascon Service, Inc. 392,820; Jan. 13; Serial No. 446,213; published Nov. 4, 1941.
Lead pencils. American Lead Pencil Company. 392,884; Jan. 13.
Lead-pencils. Eagle Pencil Company. 148,820; renewed Nov. 29, 1941.
Paper, envelopes, printing paper, etc., Air-mail. Agency Paper Company. 392,830; Jan. 13; Serial No. 446,407; published Nov. 4, 1941.
Paper, Printing. S. D. Warren Company. 155,114; renewed May 16, 1942.
Signature cards, combination account statement, depositor's receipts, etc. Bankers Development Corporation. 392,712; Jan. 13; Serial No. 429,967; published Oct. 7, 1941.

CLASS 38

Publication. Bodine Electric Company. 153,412; renewed Mar. 21, 1942.
Publication. General Chemical Company. 155,232; renewed May 23, 1942.

CLASS 39

Blouses and shirts. Bernstein & Sons Shirt Corporation. 392,731–2; Jan. 13; Serial Nos. 440,535–6; published May 6, 1941.
Boots, shoes, and slippers. J. Dacy. 392,805; Jan. 13; Serial No. 445,977; published Oct. 28, 1941.
Brassières. Bonzette Foundations Inc. 392,871; Jan. 13.
Brassières, corsets, girdles, etc. M. Newman. 392,720; Jan. 13; Serial No. 434,543; published Nov. 4, 1941.
Clothes, Men's. Kahn Tailoring Company. 149,129; renewed Dec. 6, 1941.
Diapers and diaper pads, Babies'. Chicopee Sales Corporation. 392,809; Jan. 13; Serial No. 446,044; published Nov. 4, 1941.
Dresses. Franklin Simon & Co. 392,891; Jan. 13.
Dresses, coats, suits, etc. Amelia Ames Inc. 392,880; Jan. 13.
Dresses, coats, hats, etc. Best & Co. Inc. 392,858; Jan. 13.
Dresses, outer skirts, blouses, etc. Standard Garment Co. Inc. 392,814; Jan. 13; Serial No. 446,149; published Oct. 28, 1941.
Footwear. Joyce, Inc. 392,863; Jan. 13.
Garments, Women's foundation. J. Applebaum. 392,789; Jan. 13; Serial No. 445,767; published Nov. 4, 1941.
Girdles, corsets, etc. I. B. Kleinert Rubber Company. 392,729; Jan. 13; Serial No. 440,047; published Apr. 8, 1941.
Gloves. W. E. Quirin. 392,817; Jan. 13; Serial No. 446,177; published Nov. 4, 1941.
Gloves and aprons, Rubber. Eastman Kodak Company. 392,751; Jan. 13; Serial No. 442,833; published Oct. 14, 1941.
Gloves, Fabric. A. J. Weill. 392,766; Jan. 13; Serial No. 444,885; published Nov. 4, 1941.
Hair nets. L. Messinger. 392,865; Jan. 13.
Hair wave nets. B. Pickard. 392,778; Jan. 13; Serial No. 445,639; published Oct. 14, 1941.
Handkerchiefs. R. Brewer. 392,869; Jan. 13.
Hats and caps. Penn Craft Hat Company. 392,742; Jan. 13; Serial No. 442,049; published Oct. 21, 1941.

Hats, coats, dresses, shoes, etc. Bloomingdale Bros. Inc. 392,764; Jan. 13; Serial No. 444,787; published Oct. 14, 1941.
Hats for men. Hat Corporation of America. 392,822; Jan. 13; Serial No. 446,233; published Oct. 14, 1941.
Hats, Ladies'. Brown Bros. 392,807; Jan. 13; Serial No. 446,017; published Oct. 21, 1941.
Hats, Ladies', women's, and misses'. Best & Co. 392,862; Jan. 13.
Hats, Men's felt. John B. Stetson Company. 392,833; Jan. 13; Serial No. 446,536; published Nov. 4, 1941.
Hats, Women's. C. Kartiganer. 392,864; Jan. 13.
Hats, Women's and girls'. M. Solash. 392,890; Jan. 13.
Heels and soles, Rubber. Hagerstown Rubber Company. 392,859; Jan. 13.
Hosiery, Ladies'. Fitwell Hosiery, Inc. 392,868; Jan. 13.
Insoles and heelpads, Cushion. D. Kohn. 392,878; Jan. 13.
Neckties. Sante Fe Hand Woven Fabrics, Inc. 392,711; Jan. 13; Serial No. 429,505; published Oct. 7, 1941.
Neckties. Stern, Merritt Co. Inc. 392,885; Jan. 13.
Neckties and scarfs. Wembley, Inc. 392,776; Jan. 13; Serial No. 445,540; published Oct. 21, 1941.
Neckties, Hand-woven. Chief Weavers, Inc. 392,721; Jan. 13; Serial No. 435,081; published Oct. 28, 1941.
Neckties, mufflers, and scarfs. J. M. Green Co. 392,749; Jan. 13; Serial No. 442,699; published Nov. 4, 1941.
Neckties, scarfs, bathrobes, shirts, etc. S. Tardy. 392,808; Jan. 13; Serial No. 446,033; published Oct. 21, 1941.
Nightgowns, pajamas, bed jackets, and dressing gowns. Vanity Fair Silk Mills. 392,788; Jan. 13; Serial No. 445,764; published Oct. 21, 1941.
Panties, girdles, corsets, etc. Amasia Importing Corporation. 392,804; Jan. 13; Serial No. 445,972; published Oct. 28, 1941.
Shoe uppers to prevent heel slipping, Extensions for low. Scholl Mfg. Co. 392,824; Jan. 13; Serial No. 446,280; published Oct. 14, 1941.
Shoes. Brauer Bros. Shoe Co. 392,780; Jan. 13; Serial No. 445,682; published Oct. 7, 1941.
Shoes. Chicago Mail Order Company. 392,728; Jan. 13; Serial No. 439,992; published July 29, 1941.
Shoes. Chicago Mail Order Company. 392,747; Jan. 13; Serial No. 442,519; published Oct. 7, 1941.
Shoes. Connolly Shoe Co. 392,767; Jan. 13; Serial No. 444,963; published Oct. 14, 1941.
Shoes. J. A. Fikany. 392,733; Jan. 13; Serial No. 440,585; published Oct. 14, 1941.
Shoes. Florsheim Shoe Company. 392,748; Jan. 13; Serial No. 442,656; published Oct. 7, 1941.
Shoes. J. J. Grover Shoe Company. 392,781; Jan. 13; Serial No. 445,723; published Oct. 21, 1941.
Shoes. Joyce, Inc. 392,765; Jan. 13; Serial No. 444,829; published Oct. 21, 1941.
Shoes. Model Shoe Company. 392,758; Jan. 13; Serial No. 443,696; published Oct. 28, 1941.
Shoes. Selby Shoe Company. 392,773–4; Jan. 13; Serial Nos. 445,534–5; published Oct. 21, 1941.
Shoes and slippers. M. Lauer. 392,797; Jan. 13; Serial No. 445,814; published Oct. 7, 1941.
Shoes and slippers. Sherman Brothers Mfg. Co. 392,760; Jan. 13; Serial No. 444,203; published Nov. 4, 1941.
Shoes, Women's. J. L. Hudson Company. 392,819; Jan. 13; Serial No. 446,199; published Oct. 28, 1941.
Shoes, Women's. Rasmussen Shoe Company. 392,799; Jan. 13; Serial No. 445,860; published Oct. 21, 1941.
Suits, overcoats, hats, etc. Hub-Henry C. Lytton & Sons. 392,714; Jan. 13; Serial No. 431,356; published Oct. 21, 1941.
Suits, overcoats, topcoats, shirts, etc. Browning King & Co., of New York, Inc. 392,762; Jan. 13; Serial No. 444,395; published Oct. 28, 1941.
Suspenders. A. Stein & Company. 392,775; Jan. 13; Serial No. 445,537; published Oct. 7, 1941.
Sweaters, hats, and twin sweater sets, Knitted. Import Stylists, Inc. 392,777; Jan. 13; Serial No. 445,579; published Oct. 21, 1941.
Underwear, sleeping garments, hosiery, etc. Vanity Fair Silk Mills. 392,786–7; Jan. 13; Serial Nos. 445,762–3; published Oct. 21, 1941.

CLASS 40

Curlers, Non-electrical hair. S. Henry. 392,782; Jan. 13. Serial No. 445,733; published Oct. 14, 1941.
Dress shields. I. B. Kleinert Rubber Company. 392,861; Jan. 13.
Fabrics, Narrow elastic. Continental Elastic Corporation. 392,796; Jan. 13; Serial No. 445,805; published Oct. 21, 1941.
Needles for hand use, Knitting. H. C. Bates. 392,791–5; Jan. 13; Serial Nos. 445,793–7; published Oct. 14, 1941.
Shoulder straps. Edith Lances Brassieres. 392,719; Jan. 13; Serial No. 434,282; published Nov. 4, 1941.
Watch straps, Wrist. Cowen Bros. 392,798; Jan. 13; Serial No. 445,841; published Oct. 7, 1941.

CLASS 42

Cloths, elderdowns, chinchillas, etc., Knitted and woven woolen and worsted. Continental Mills, Inc. 392,801; Jan. 13; Serial No. 445,887; published Nov. 4, 1941.
Lace curtains. Marshall Field & Company. 392,843; Jan. 13; Serial No. 446,867; published Nov. 4, 1941.
Lace curtains. Marshall Field & Company. 392,844; Jan. 13; Serial No. 446,869; published Nov. 4, 1941.
Piece goods, Cotton, rayon, acetate, and/or silk. Cohn-Hall-Marx Co. 392,848; Jan. 13; Serial No. 446,963; published Nov. 4, 1941.
Piece goods of animal fibers, such as mohair, wool, etc., vegetable fibers, synthetics. Goodall Worsted Company. 392,841; Jan. 13; Serial No. 446,830; published Nov. 4, 1941.
Piece goods of alpaca, kid, mohair, and fine wool. S. Stroock & Co. 392,803; Jan. 13; Serial No. 445,966; published Nov. 4, 1941.
Piece goods, Woolen. Dougherty & Co. 392,867; Jan. 13.
Sheets and pillow cases, cotton terry towels, and wash cloths, and blankets, etc., Muslin. Gimbel Brothers, Inc. 392,840; Jan. 13; Serial No. 446,754; published Nov. 4, 1941.
Sheets, pillowcases, blankets, etc. Lawrence Converters Inc. 392,755; Jan. 13; Serial No. 443,419; published June 24, 1941.
Wool and rayon, gabardine, whipcord, and cavalry twill. J. P. Stevens & Company. 392,825; Jan. 13; Serial No. 446,281; published Nov. 4, 1941.

CLASS 44

Dental floss. S. S. White Dental Manufacturing Company. 392,812; Jan. 13; Serial No. 446,121; published Nov. 4, 1941.
Electric short-wave high frequency apparatus used in the treatment of human and animal diseases, and electric diathermy apparatus. R. Cole. 392,761; Jan. 13; Serial No. 444,299; published Nov. 4, 1941.
Electrotherapeutic apparatus and equipment therefor. Teca Corporation. 392,770; Jan. 13; Serial No. 445,308; published Nov. 4, 1941.
Hemoglobinometers and hemoalkaliometers. A. Dare. 153,422; renewed Mar. 21, 1942.
Hernia preventing belts. J. Clarielli. 392,849; Jan. 13; Serial No. 446,990; published Nov. 4, 1941.
Massage machines, Electric. C. W. Kent. 392,845; Jan. 13; Serial No. 446,919; published Nov. 4, 1941.
Sanitary napkins. Sears, Roebuck and Co. 392,734–5; Jan. 13; Serial Nos. 440,959–60; published Nov. 4, 1941.
Therapy tanks. Ille Electric Corporation. 392,888; Jan. 13.

CLASS 45

Beverage, Maltless. Sunrise Soda Water Works Co. 392,723; Jan. 13; Serial No. 435,924; published Nov. 5, 1940.

CLASS 46

Butter, lard, and sausage. H. P. Matthews. 150,469; renewed Jan. 3, 1942.
Candy. Norris Incorporated. 392,790; Jan. 13; Serial No. 445,777; published Nov. 4, 1941.
Canned cultivated powdered mushrooms with salt. Cultured Mushroom Industries, Inc. 392,740; Jan. 13; Serial No. 441,860; published Nov. 4, 1941.
Canned meat product. N. Hitchcock. 392,850; Jan. 13; Serial No. 447,020; published Nov. 4, 1941.
Canned olives. California Olive Marketers, Inc. 392,757; Jan. 13; Serial No. 443,681; published Nov. 4, 1941.
Canned pork loaf. John Morrell & Co. 392,726; Jan. 13; Serial No. 439,116; published Nov. 4, 1941.
Canned vegetables and canned hot sauce. National Packing Company. 392,852; Jan. 13; Serial No. 447,105; published Nov. 4, 1941.
Cherries and cherries in bulk packed in syrup, Bottled. C. M. Pitt & Sons Co. 392,783; Jan. 13; Serial No. 445,749; published Nov. 4, 1941.
Chewing gum. L. Beckman & Co. 392,739; Jan. 13; Serial No. 441,851; published Nov. 4, 1941.
Chocolate. Eline's Incorporated. 154,786; renewed May 9, 1942.
Chocolates. Miller & Hollis, Inc. 392,851; Jan. 13; Serial No. 447,071; published Nov. 4, 1941.
Corn, Fresh sweet. V. B. Whiteside. 392,736; Jan. 13; Serial No. 441,270; published Nov. 4, 1941.
Eggs. Geo. Ehlenberger & Co. 392,810; Jan. 13; Serial No. 446,103; published Nov. 4, 1941.
Feeds for cattle, hogs, sheep, etc. Rosewood Grain Company. 392,745; Jan. 13; Serial No. 442,337; published Nov. 4, 1941.
Flours, Pancake. Malt Corporation of America. 392,709; Jan. 13; Serial No. 427,548; published Nov. 4, 1941.
Food, animal-feeding stuffs, vegetable oils, etc., Poultry. Globe Grain & Milling Company. 152,791; renewed Mar. 7, 1942.
Foods and ingredients of foods. California Conserving Co. 152,700; renewed Mar. 7, 1942.
Foods and ingredients of foods. Haas, Baruch & Co. 153,740; renewed Mar. 28, 1942.
Fruits and vegetables, Fresh citrus. Phil Malat Company. 392,876; Jan. 13.
Fruits, Fresh citrus. Kroells Bros., Ltd. 392,727; Jan. 13; Serial No. 439,778; published Apr. 8, 1941.
Fruits, Fresh deciduous. Sebastopol Fruit Growers Association. 392,813; Jan. 13; Serial No. 446,147; published Nov. 4, 1941.

Hams. William Davies Co. 392,854; Jan. 13.
Ingredient for use in making bread. Northwestern Yeast Company. 392,802; Jan. 13; Serial No. 445,955; published Nov. 4, 1941.
Meat products, hams and pork shoulders, Smoked. Colonial Provision Co. Inc. 392,743; Jan. 13; Serial No. 442,226; published Nov. 4, 1941.
Melons, Fresh. R. C. Champion. 392,883; Jan. 13.
Vegetables and melons, Fresh. Southwest Berry Exchange, Inc. 392,811; Jan. 13; Serial No. 446,118; published Nov. 4, 1941.

CLASS 47

Wines. S. A. Salomone. 392,750; Jan. 13; Serial No. 442,804; published Sept. 23, 1941.

CLASS 50

Coverings in the nature of treated fabrics adapted to be secured adhesively to walls. Frederic Blank & Co. 392,754; Jan. 13; Serial No. 443,218; published Nov. 4, 1941.
House number signs. Peerco, Inc. 392,772; Jan. 13; Serial No. 445,528; published Nov. 4, 1941.
Ornamental wall plaques. Frank M. Sayford Co. 392,879; Jan. 13.
Plastic sheets and plates, Translucent. Doane Products Corporation. 392,837; Jan. 13; Serial No. 446,619; published Nov. 4, 1941.
Rubberized fabrics. Haartz-Mason-Grower Company. 392,828; Jan. 13; Serial No. 446,357; published Nov. 4, 1941.
Water repellant fabrics. Sea Island Mills, Inc. 392,835; Jan. 13; Serial No. 446,553; published Nov. 4, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Sales Book Company. (See Stevens, Harry, assignor.)

Anderson, Earl I., Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Visual signal carrier indicator. Re. 22,000; Jan. 13.

Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. Re. 22,001; Jan. 13.

Beken, Fritz, Ilford, England. Mixing machine. Re. 22,002; Jan. 13.

Briggs & Stratton Corporation. (See Gottlieb, O. F., Jones, and Kohls, assignors.)

Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Pneumatic erection device for gyroscopes. Re. 22,003; Jan. 13.

Colgate-Palmolive-Peet Company. (See Ittner, Martin H., assignor.)

Crawford, Hugh J., Oakland, Calif. Fruit and vegetable shredder. Re. 22,004; Jan. 13.

Gottlieb, Oscar F., Milwaukee, I. M. Jones, and E. E. Kohls, Mequon, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. Re. 22,005; Jan. 13.

Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Hydrolysis of fats and oils. Re. 22,006; Jan. 13.

Jones, Ira M. (See Gottlieb, O. F., Jones, and Kohls.)

Kohls, Erich E. (See Gottlieb, O. F., Jones, and Kohls.)

Radio Corporation of America. (See Anderson, Earl I., assignor.)

Servel, Inc. (See Anderson, Philip P., Jr., assignor.)

Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)

Stevens, Harry, deceased, by K. Stevens, executrix, assignor, by mesne assignments, to American Sales Book Company, Inc., Niagara Falls, N. Y. Manifolding device. Re. 22,007; Jan. 13.

Stevens, Karen, as executrix. (See Stevens, Harry, assignor.)

LIST OF DESIGN PATENTEES

Anderson, Einar, New York, N. Y. Chair. 131,079; Jan. 13.

Anderson, Einar, New York, N. Y. Chair. 131,080; Jan. 13.

Avetta, Albert J., Pittsburgh, Pa. Glass dish. 131,054; Jan. 13.

Bennett, Howard S., Scotia, N. Y. Combined radio and phonograph cabinet. 131,055; Jan. 13.

Blair, George W. (See Ferrettie, C., and Blair.)

Britt, Frank W., Jackson Heights, Long Island, assignor to Conti Products Corporation, Brooklyn, N. Y. Bottle. 131,081; Jan. 13.

Brucato, Marie, New York, N. Y. Dress. 131,111; Jan. 13.

Buchholz, Israel, New York, N. Y. Dress. 131,112; Jan. 13.

Calvin, Conrad C., New York, N. Y. Finger ring or similar article. 131,056; Jan. 13.

Carlson, Vernon E., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner dust receptacle. 131,094; Jan. 13.

Clion, William, Brooklyn, N. Y. Dress ensemble. 131,113; Jan. 13.

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Cohn & Rosenberger, Inc. (See Verrecchio, Gene, assignor.)

Conti Products Corporation. (See Britt, Frank W., assignor.)

Cutler, Elizabeth, New York, N. Y. Dress. 131,114; Jan. 13.

Cutler, Elizabeth, New York, N. Y. Dress. 131,115; Jan. 13.

Cutler, Elizabeth, New York, N. Y. Dress. 131,116; Jan. 13.

Dailey, Donald E., Toledo, Ohio, assignor to Philco Corporation, Philadelphia, Pa. Domestic refrigerator. 131,095; Jan. 13.

De Pasquale, Sabina, New York, N. Y. Dress. 131,082; Jan. 13.

De Pasquale, Sabina, New York, N. Y. Dress. 131,083; Jan. 13.

Dowd, Charles G., Baltimore, Md. Tool rack. 131,057; Jan. 13.

Eureka Vacuum Cleaner Company. (See Carlson, Vernon E., assignor.)

Faraggi, Daniel J., Brooklyn, N. Y. Towel or similar article. 131,058; Jan. 13.

Ferrettie, Conrad, and G. W. Blair, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe sole. 131,096; Jan. 13.

Goldsmith, Samuel R., New York, N. Y. Handbag. 131,117; Jan. 13.

Gorton, George, Machine Co. (See Tammen, Glenn W., assignor.)

Grobstein, Irving, New York, N. Y. Dress. 131,118; Jan. 13.

Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Progressive flame hardening burner. 131,084; Jan. 13.

Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Progressive flame hardening burner. 131,085; Jan. 13.

Hinckley-Myers Company. (See MacMillan, Charles W., assignor.)

Hirshhorn, Louis, Brooklyn, N. Y. Slipper. 131,119; Jan. 13.

Hobart Manufacturing Company. (See Meeker, D. A., and Douglass, assignors.)

Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,086; Jan. 13.

Hoshafian, Lucy, New York, N. Y. Dress. 131,120; Jan. 13.

Houser, Franklin D. (See Meeker, D. A., and Houser.)

Humphrey, Fred, and A. Krieger, assignors to The Pass Book and Check Cover Company, Denver, Colo. Foldable pocket check cover. 131,097; Jan. 13.

Julianelli, Mabel, New York, N. Y. Shoe. 131,062; Jan. 13.

Julianelli, Mabel, New York, N. Y. Shoe. 131,063; Jan. 13.

Julianelli, Mable, New York, N. Y. Shoe. 131,064; Jan. 13.

Julianelli, Mabel, New York, N. Y. Shoe. 131,065; Jan. 13.

Julianelli, Mable, New York, N. Y. Shoe. 131,066; Jan. 13.

Julianelli, Mabel, New York, N. Y. Shoe. 131,067; Jan. 13.

Julianelli, Mabel, New York, N. Y. Shoe. 131,068; Jan. 13.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,105; Jan. 13.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,106; Jan. 13.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,107; Jan. 13.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,108; Jan. 13.

Kessler, Betty, New York, N. Y. Dress. 131,121; Jan. 13.

Krause, Samuel S., and S. E. Peskin, Cleveland, Ohio. Hot application heater or similar article. 131,098; Jan. 13.

Kreutzer, Frederick J. (See Waterman, A. E., and Kreutzer.)

Krieger, Adam. (See Humphrey, F., and Krieger.)

Le Blond, R. K., Machine Tool Company, The. (See Hartley, Albert L., assignor.)

Lynch, George C., Los Angeles, Calif. Roast rack. 131,059; Jan. 13.

MacMillan, Charles W., assignor to Hinckley-Myers Company, Jackson, Mich. Combined work bench and cabinet or similar article. 131,060; Jan. 13.

McCoy, Marion, St. Louis, Mo. Dress. 131,122; Jan. 13.

McCoy, Marion, St. Louis, Mo. Dress ensemble. 131,123; Jan. 13.

McCoy, Marion, St. Louis, Mo. Dress. 131,124; Jan. 13.

McCoy, Marion, St. Louis, Mo. Dress. 131,125; Jan. 13.

McCoy, Marion, St. Louis, Mo. Dress. 131,126; Jan. 13.

Meeker, David A., and F. D. Houser, assignors to The Hobart Manufacturing Company, Troy, Ohio. Coffee mill. 131,087; Jan. 13.
Mishawaka Rubber and Woolen Manufacturing Company. (See Ferrettie, C., and Blair, assignors.)
Oppenheimer, Helga, Little Neck, Long Island, N. Y. Dress. 131,127; Jan. 13.
Pass Book and Check Cover Company, The. (See Humphrey, F., and Krieger, assignors.)
Paulton, George, Detroit, Mich. Paring knives. 131,088; Jan. 13.
Peskin, Samuel E. (See Krause, S. S., and Peskin.)
Philco Corporation. (See Dailey, Donald E., assignor.)
Philco Corporation. (See van Doren, Harold L., assignor.)
Proteau, André, New York, N. Y. Textile fabric or similar article. 131,099; Jan. 13.
Salfeety, Page, New York, N. Y. Housecoat or similar article. 131,061; Jan. 13.
Sandler, Jacob, New York, N. Y. Shoe. 131,071; Jan. 13.
Sandler, Jacob, New York, N. Y. Shoe. 131,072; Jan. 13.
Sandler, Jacob, New York, N. Y. Shoe. 131,100; Jan. 13.
Sandler, Jacob, New York, N. Y. Shoe. 131,101; Jan. 13.
Schlage Lock Company. (See Tornoe, John A., assignor.)
Schlage, Walter R., Burlingame, Calif. Door knob. 131,089; Jan. 13.
Schlage, Walter R., Burlingame, Calif. Door knob. 131,090; Jan. 13.
Schlage, Walter R., Burlingame, Calif., Door knob. 131,091; Jan. 13.
Shapiro, Murray J., New York, N. Y. Dress. 131,128; Jan. 13.
Shapiro, Murray J., New York, N. Y. Dress. 131,129; Jan. 13.
Shapiro, Murray J., New York, N. Y. Dress. 131,130; Jan. 13.
Shapiro, Nat, New York, N. Y. Dress. 131,131; Jan. 13.
Shapiro, Nat, New York, N. Y. Dress. 131,132; Jan. 13.
Sutcliffe, Harry L., New York, N. Y. Shoe. 131,078; Jan 13.
Tammen, Glenn W., Chicago, Ill., assignor to George Gorton Machine Co., Racine, Wis. Milling machine or the like. 131,133; Jan. 13.
Taylor, David, New York, N. Y. Lapel watch. 131,102; Jan. 13.
Tornoe, John A., assignor to Schlage Lock Company, San Francisco, Calif. Door knob. 131,092; Jan. 13.
Van Doren, Harold L., Toledo, Ohio, assignor to Philco Corporation, Philadelphia, Pa. Domestic refrigerator. 131,103; Jan. 13.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,110; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,069; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,070; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,073; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,074; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,075; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,076; Jan. 13.
Vivier, Roger, New York, N. Y. Shoe. 131,077; Jan. 13.
Ward, Charles W., Los Angeles, Calif. Combination brush holder and paste dispenser. 131,093; Jan. 13.
Waterman, Arthur E., and F. J. Kreutzer, Fort Atkinson, Wis. Roof ventilator. 131,134; Jan. 13.
Whittingham, Lorna, San Francisco, Calif. Shoulderette. 131,104; Jan. 13.
Williamson, Walter, Miami, Fla. Brooch or similar article. 131,109; Jan. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Chester E., Highland, A. B. Brown, Hammond, Ind., and D. W. Bransky, assignors to Standard Oil Company, Chicago, Ill. Refining of petrolatum. 2,270,214; Jan. 13.
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Adler, Benjamin, and L. Siegel, Brooklyn, N. Y. Interlocking slide fasteners. 2,269,419; Jan. 13.
Adler, Herman G., and J. C. Evans, Detroit, assignors to King-Seeley Corporation, Ann Harbor, Mich. Centrifugal governor. 2,270,100; Jan. 13.
Advance Machine Co. (See Gebert, A. E., and Black, assignors.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Franzen, James F., assignor.)
Air Reduction Company. (See Rooke, R. M., and Saacke, assignors.)
Aktiebolaget Elektrolux. (See Du Rietz, G., and Ell, assignors.)
Aktiebolaget Götaverken. (See Andersson, Nore, assignor.)
Aktiebolaget Gotaverken. (See Nashölm, Alfred, assignor.)
Aktiebolaget Gotaverken. (See Olsson, J., and Näsholm, assignors.)
Aktabowski, Stanley, Chicago, Ill., assignor to E. G. Staude Manufacturing Company, St. Paul, Minn. Sheet feeder and using. 2,269,571; Jan. 13.
Allaback, William J., assignor to Fraser Products Co., Detroit, Mich. Reversible ironing board cover. 2,269,804; Jan. 13.
Allen, Frank M., near Azusa, and C. B. Taylor, Anaheim, assignors to The All-Flex Corporation, Los Angeles, Calif. Flexible pipe joint. 2,269,431; Jan. 13.
All-Flex Corporation, The. (See Allen, F. M., and Taylor, assignors.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,270,027; Jan. 13.
American Bosch Corporation. (See Crocker, William D., assignor.)
American Brake Shoe and Foundry Company, The. (See Ratkowski, T. A., and Lerner, assignors.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Car and Foundry Motors Company. (See Morris, Harold L., assignor.)
American Cyanamid Company. (See Barnes, Robert B., assignor.)
American Cyanamid Company. (See Cook, E. W., and Thomas, assignor.)
American Cyanamid Company. (See English, J. P., and Roblin, assignors.)
American Cyanamid Company. (See Liddel, U., and Barnes, assignors.)
American Die & Tool Corporation. (See Tager, C. I., and Stockel, assignors.)
American Optical Company. (See Lehmberg, William H., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Perforator Company. (See Rix, Edward G., assignor.)
American Potash & Chemical Corporation. (See Pearson, Edward P., assignor.)
American Securit Company, The. (See Mitford, John B., assignor.)
American Warming and Ventilating Company, The. (See Merry, Fred D., assignor.)
Ampro Corporation. (See Morgan, Thomas J., assignor.)
Anderson, Carl J., assignor to C. J. Anderson & Co., Chicago, Ill. Operating mechanism for elevator retiring cams. 2,269,504; Jan. 13.
Anderson, C. J. & Co. (See Anderson, Carl J., assignor.)
Anderson, Edward M., and J. B. Hicks, Monaca, Pa. Combination handhold and soap dish for bathtubs. 2,269,420; Jan. 13.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circle cutting machine. 2,269,505; Jan. 13.
Anderson, Marshall N., assignor to Seilstrom Manufacturing Company, Chicago, Ill. Welder's mask. 2,270,028; Jan. 13.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Treatment of oleoginous material. 2,269,898; Jan. 13.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Anderson, Waldemar E., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tipless exhaust. 2,269,840; Jan. 13.
Anderson, Nore, assignor to Aktiebolaget Götaverken, Goteborg, Sweden. Frame construction for doors or windows. 2,269,506; Jan. 13.
Andrieu, Guido, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Adjusting or tuning means for radio frequency apparatus. 2,270,156; Jan. 13.
Andrus, Hamlin F., et al. (See Olsen, Eugene F., assignor.)
Appenzeller, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany Loudspeaker system. 2,269,572; Jan. 13.
Aridor Company (Canada) Limited, The. (See Davis William A. and B. H., assignors.)
Arkell & Smiths. (See Hahn, Willard E., assignor.)
Aro Equipment Corporation, The. (See Nielsen, Iver B., assignor.)
Arter Grinding Machine Company. (See Arter, Harry, assignor.)
Arter Harry, assignor to Arter Grinding Machine Company, Worcester, Mass. Grinding machine. 2,269,805; Jan. 13.
Arundale, Erving. (See Mikeska, L. A., and Arundale.)
Arveson, Maurice H., assignor to Standard Oil Company, Chicago, Ill. Manufacturing hydrocarbon resins. 2,269,421; Jan. 13.
Askania-Werke A. G. (See Stoecker, J., and Rein, assignors.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Atkins, C., and Company. (See St. Clair, John A., assignor.)
Atlantic Refining Company, The. (See McCullough, James H., assignor.)
Atwater, Windsor H., et al. (See Hutton, William G., assignor.)
Aubert, Roger, and R. Villem, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Radio transmitter. 2,270,157; Jan. 13.
Automatic Devices Corporation. (See Bahr, Gustave F., assignor.)
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automatic Washer Company. (See Lauterbur, E. J., and Glaser, assignors.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Avila, Frank W. (See Bundy, J. A., and Avila.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can delivering mechanism. 2,269,422; Jan. 13.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
B. C. B. Industries, Inc., et al. (See Corbin, Elbert A., Jr., assignor.)
Badger Wood Ping Company. (See Janisch, Maximillian P., assignor.)
Baesgen, Werner, and O. Pätzold, assignors to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany. Templet. 2,270,158; Jan. 13.
Bagnall, Edwin, assignor of one-fourth to M. Tanner, Chicago, Ill. Deflector. 2,270,029; Jan. 13.
Bagwill, Robert M., East St. Louis, Ill. Expansion joint and rod supporting assembly. 2,269,703; Jan. 13.
Bahr, Gustave F., Fairfield, assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,269,507; Jan. 13.
Baird, Donald F., Portland, Oreg. Lipstick. 2,269,750; Jan. 13.
Baker, David B., Riverside, Ill., assignor to International Harvester Company. Seat. 2,269,968; Jan. 13.
Ballard, Herman E., Berkeley, Calif. Lubricant. 2,270,101; Jan. 13.
Ballard, Herman E., Berkeley, Calif. Lubricant. 2,270,102; Jan. 13.
Bandy, Burl J. (See Windham, Roy H., assignor.)
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Artificial gem. 2,270,210; Jan. 13.
Barks, Frank S., and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Valve mechanism. 2,269,423; Jan. 13.
Barnes, Robert B. (See Liddel, U., and Barnes.)

Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Baking varnish or enamel films. 2,269,751; Jan. 13.

Barry, Adelbert, Houston, Tex., assignor to Standard Oil Development Company. Adjustable measuring wheel. 2,269,573; Jan. 13.

Bartelink, Everhard H. B., Schenectady, N. Y., assignor to General Electric Company. Electron discharge tube. 2,270,159; Jan. 13.

Barton, Louis E., Windsor, Conn. Zinc aluminate pigment and paint and making same. 2,269,508; Jan. 13.

Bass, Shailer L., and R. M. Upright, assignors to The Dow Chemical Company, Midland, Mich. Insolubilization of water-soluble cellulose ethers. 2,270,180; Jan. 13.

Batelja, Michael J., Portland, Oreg. Plastic composition. 2,269,509; Jan. 13.

Bates, Jesse G., Chicago, Ill. Disk cutting machine. 2,269,510; Jan. 13.

Baynton, Harold H., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Pile fabric and making the same. 2,270,103; Jan. 13.

Beatty, Harold A. (See Calingaert, G., and Beatty.)

Bechman, William O. (See Rogers, C. R., Bechman, and Holmberg.)

Beck, William J., and P. Hannah, Yonkers, N. Y. Feeding and dispensing device. 2,269,432; Jan. 13.

Bechtle, Richard, and E. Habermehl, assignors to Messer & Co., G. m. b. H., Frankfort-on-the-Main, Germany. Cutting machine. 2,269,643; Jan. 13.

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Bell Telephone Laboratories, Incorporated. (See Lewis, Benjamin F. and H. A., assignors.)

Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rosene, Victor E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Swartzel, Karl D., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Tillman, Richard J., assignor.)

Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)

Benenfeld, Peter, Brooklyn, N. Y. Wired bag. 2,269,574; Jan. 13.

Benesh, Matthew E., Cicero, assignor to Chicago By-Products Corporation, Chicago, Ill. The use of gas hydrates in improving the load factor of gas supply systems. 2,270,016; Jan. 13.

Benner, Dale A., Alton, Ill. Rail bender. 2,269,752; Jan. 13.

Benner, Dale A., Alton, Ill. Tool car. 2,269,753; Jan. 13.

Bennett, Harry. (See Goldsmith, Henry A., assignor.)

Benoit, Leon, New York, N. Y. Filler package. 2,270,030; Jan. 13.

Berchet, Gerard J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-Sulphonylalkylenimine polymers. 2,269,997; Jan. 13.

Berger, Hermann, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit organization for magnetrons. 2,270,160; Jan. 13.

Bernhardt, William M., and A. H. Hartwig, Michigan City, Ind., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Sill cambering and welding mechanism. 2,269,754; Jan. 13.

Bernstein, Adele R., Chicago, Ill. Dust mop. 2,269,424; Jan. 13.

Berry, Russell G., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Antistall device. 2,269,704; Jan. 13.

Besler, William J., Plainfield, N. J. Boiler control system. 2,269,705; Jan. 13.

Bethel, Maywood, Hext, Tex. Manually propelled craft. 2,269,575; Jan. 13.

Bevoort, Cornelis, Amsterdam, Netherlands. Communication system. 2,270,104; Jan. 13.

Biby, Edward E., and G. Brown, assignors of one-third to W. Miller, Los Angeles, Calif. Drying floor coverings and other fabrics. 2,270,031; Jan. 13.

Bickel, Erich, Zurich, Switzerland. Aerial mine and projectile. 2,269,900; Jan. 13.

Biddle, William C. (See Corbin, Elbert A., Jr., assignor.)

Biederman, Peter, Brooklyn, N. Y. Preformed showkerchief. 2,269,511; Jan. 13.

Bishop, Joseph A. (See Lawrence, Walter M., assignor.)

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Clothes rack. 2,269,425; Jan. 13.

Black, Cara M. W., San Antonio, Tex. Garment. 2,269,755; Jan. 13.

Black, Floyd C. (See Gebert, A. E., and Black.)

Blair Manufacturing Company. (See Seaver, Balke A., assignor.)

Blair, Robert S., New York, N. Y. Course protractor. 2,269,841; Jan. 13.

Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Locating valuable subterranean deposits. 2,269,889; Jan. 13.

Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Seismic-electric prospecting. 2,269,890; Jan. 13.

Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif. Shower head. 2,269,901; Jan. 13.

Bloch, Herman S. (See Thomas, C. L. and Bloch, assignors.)

Board of Trustees of the Leland Stanford Junior University. (See Hansen, W. W., and Varian, assignors.)

Bobroff, Bornett L., Racine, Wis. Switch construction for automotive vehicles. 2,269,512; Jan. 13.

Boise, Roland R., et al. (See Hysell, Cecil L., assignor.)

Borg, Gustave A., and C. G. Hyland, New York, N. Y., assignors, by mesne assignments, to Geneva Fire Extinguisher Company, Providence, R. I. Compression coupling. 2,269,433; Jan. 13.

Born, James A., and R. C. Dunker, Los Angeles, Calif. Toothbrush. 2,269,513; Jan. 13.

Borstel, Walter, Dessau-Siedlung, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Liquid tank or container for use in vehicles and aircraft. 2,269,617; Jan. 13.

Bowen, Charles V., Bethesda, Md., and F. E. Dearborn, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America. Insecticide and fungicide. 2,269,891; Jan. 13.

Bowtell, James N., Sudbury, H. G. Jenkins, Pinner, and A. H. McKeag, North Wembley, England, assignors to General Electric Company. Luminescent material and manufacture. 2,270,105; Jan. 13.

Boyce, Chester H., Blackstone, Mass. Yarn carrier package. 2,270,106; Jan. 13.

Boyd, Fisher L., West Chester, Pa. Fire extinguishing composition and method. 2,269,426; Jan. 13.

Boyd, William V., Cornwall, Ontario, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada. Warp beaming machine. 2,270,032; Jan. 13.

Brackmann, Josef. (See Weis, A., and Brackmann.)

Brady, David R., Highland Park, assignor, by mesne assignments, to D. R. Brady and J. W. Davis, as joint trustees for Brady Research Company, Detroit, Mich. Welt shoe. 2,269,427; Jan. 13.

Brady Research Company. (See Brady, David R.)

Brailsford, Joseph D., London, England, assignor to Radio Corporation of America. Tuned circuits. 2,270,017; Jan. 13.

Brandt, Francis L., Marblehead, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and heel clamping apparatus. 2,269,514; Jan. 13.

Brandt, Fred H. G., Kansas City, Mo. Apparatus for forging and forming balls. 2,269,899; Jan. 13.

Branick, Charles E., Fargo, N. Dak. Scale. 2,269,969; Jan. 13.

Bransky, David W. (See Adams, C. E., Brown, and Bransky.)

Bratt, Knut F., Stockholm, assignor to Kooperativa Förbundet, Förening u. p. a., Stadsgarden, Stockholm, Sweden. Keylock for cash registers. 2,269,644; Jan. 13.

Brecka, Anton P., Prague, Nebr. Hitch. 2,269,806; Jan. 13.

Breeze Corporations, Inc. (See Potter, David M., assignor.)

Breidert, George C., Glendale, Calif. Ventilator. 2,269,428; Jan. 13.

Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Wheel mounting. 2,269,429; Jan. 13.

Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)

Brewer, Robert B., East Cleveland, assignor of two-fifths to S. E. Sampliner, Cleveland, Ohio. Chime. 2,269,576; Jan. 13.

Briggs, Martin H., Coulsdon, England. Portable building. 2,270,161; Jan. 13.

Brohard, Montie M., Jr., Norwood, Ohio. Necktie. 2,269,577; Jan. 13.

Brooks, Cuyler W., Pittsburgh, Pa. Automatic transmission mechanism. 2,269,434; Jan. 13.

Brown, Arthur B. (See Adams, C. E., Brown, and Bransky.)

Brown, George. (See Biby, E. E., and Brown.)

Brown, Haroid M. (See George, E. D., and Brown.)

Brown, Morris C., Birmingham, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor defroster. 2,269,706; Jan. 13.

Brown, Myron J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,269,842; Jan. 13.

Brown, Theophilus, assignor to Deere & Company, Moline, Wis. Power lift mechanism. 2,269,515; Jan. 13.

Brown, Thomas P., assignor to Interchemical Corporation, New York, N. Y. Iron blue pigment and manufacture. 2,269,516; Jan. 13.

Browning, James H., Great Neck, assignor to Topping Brothers, New York, N. Y. Forge. 2,269,645; Jan. 13.

Bruns, Anthony C., Cincinnati, assignor to The Palmer Company, Norwood, Ohio. Thermometer mounting. 2,270,211; Jan. 13.

Buckley, Milford A., assignor to Carley Heater Company, Inc., Olean, N. Y. Scrubbing or cleaning machine. 2,269,807; Jan. 13.

Bucknell, Ernest H. (See Bletcher, R. E., and Bucknell.)

Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)

Buffalo Electro-Chemical Company. (See Kauffmann, Hugo J., assignor.)

Buffalow, Oscar T., Chattanooga, Tenn. Vibratory massaging foot machine. 2,269,707; Jan. 13.

Bulldog Electric Products Company. (See Fisher, L. E., and Frank, assignors.)

Bundy, James A., and F. W. Avila, Fort Wayne, Ind., assignors to International Harvester Company. Gear-shift mechanism. 2,269,970; Jan. 13.

Burckhardt, Ernst. (See Miessner, A., and Burckhardt.)

Burghoff, Henry L. (See Crampton, D. K., and Burghoff.)

Burgin, James. (See Groll, H. P. A., and Burgin.)

Burke, James P., assignor of one-half to J. W. Greene, Knoxville, Tenn. Ground anchor. 2,269,646; Jan. 13.

Burns, Leonard S. (See Wilson, F. D., and Burns.)

Burroughs Adding Machine Company. (See Fettig, Arthur J., assignor.)

Burton, George F., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container handling machine. 2,269,517; Jan. 13.

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Car truck for brake beams of clasp type. 2,269,618; Jan. 13.

Buti, Giacinto, McKeesport, Pa. Heating system. 2,269,578; Jan. 13.

Butler, Clifford E., Waterloo, Iowa. Bowl holding pot cover for centrifugal liquid separators. 2,269,971; Jan. 13.

Buzzard, Robert W., Kensington, Md. Treatment for coated magnesium and its alloys. 2,269,435; Jan. 13.

Cabassa, Alexander A., Lakeland, Fla. Reel. 2,269,808; Jan. 13.

Cadillac Malleable Iron Company. (See Price, Edward T., assignor.)

Cadot, Gertrude E., New York, N. Y. Mechanical pencil lead sharpener. 2,270,107; Jan. 13.

California Machinery & Supply Co. (See Vanderpoel, A. G. H., Ostling, and Firth, assignors.)

Calingaert, George, and H. A. Beatty, assignors to Ethyl Gasoline Corporation, Detroit, Mich. producing alkyl compounds of lead. 2,270,108; Jan. 13.

Calingaert, George, and H. A. Beatty, assignors to Ethyl Gasoline Corporation, Detroit, Mich. Manufacture of methyl and ethyl lead compounds. 2,270,109; Jan. 13.

Cameron Machine Company. (See Stocker, William M., assignor.)

Campbell, Carrie E., administratrix. (See Campbell, Charles A.)

Campbell, Charles A., deceased; C. E. Campbell, administratrix, Watertown, N. Y., assignor to The New York Air Brake Company. Sanding system with braking ratio control. 2,270,110; Jan. 13.

Canadian Cottons Limited. (See Boyd, William V., assignor.)

Canadian Refractories Limited. (See Pitt, N. P., Halferdahl, and Lathe, assignors.)

Carborundum Company, The. (See Easter, George J., assignor.)

Carley Heater Company. (See Buckley, Milford A., assignor.)

Carpenter, Samuel J., Woodbridge, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 2,269,619; Jan. 13.

Carpenter, Walter E., West Caldwell, and D. S. Gustin, and R. F. Hays, Jr., Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Glow relay. 2,269,843; Jan. 13.

Carr, Clifford H., Kansas City, Mo. Nozzle. 2,270,033; Jan. 13.

Carter Carburetor Corporation. (See Berry, Russell G., assignor.)

Carter Carburetor Corporation. (See Brown, Morris C., assignor.)

Carter, Roscoe H., Washington, D. C., assignor to Henry A. Wallace as Secretary of Agriculture of the United States of America, and to his successors in office. Insecticide and fungicide. 2,269,892; Jan. 13.

Carter, Roscoe H., Washington, D. C., assignor to Henry A. Wallace as Secretary of Agriculture of the United State of America, and to his successors in office. Insecticide. 2,269,893; Jan. 13.

Carter, Sidney T., New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y. Labeling mechanism. 2,269,870; Jan. 13.

Case, J. I., Company. (See Traphagen, Harry R., assignor.)

Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)

Catanach, Arthur E., and E. Kolthoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Neutralizing acid treated lubricating oil distillates and the like. 2,269,647; Jan. 13.

Celanese Corporation of America. (See Taylor, W. I., and Gibbins, assignors.)

Celanese Corporation of America. (See Taylor, W. I., and Woodruff, assignors.)

Cellulose Research Corporation. (See Olsen, Fredrich, assignor.)

Central Scientific Co. (See Sherrill, Richard M., assignor.)

Central Soya Company. (See Kruse, Norman F., assignor.)

Chaffin, Donald L., assignor to Flashfold Box Corporation, Fort Wayne, Ind. Machine for applying strips to boxes. 2,270,212; Jan. 13.

Chain Belt Company. (See Klaucke, Hermann, assignor.)

Champlain Corporation. (See Weiss, Adolph, assignor.)

Chandler, Ruth W., assignor of one-twentieth to E. P. Randall, Tulsa, Okla. Duster. 2,269,809; Jan. 13.

Chase Brass & Copper Co. Incorporated. (See Crampton, D. K., and Burghoff, assignors.)

Chase-Shawmut Company, The. (See Taylor, Elmer H., assignor.)

Chicago By-Products Corporation. (See Benesh, Matthew E., assignor.)

Chicago Forging & Manufacturing Company. (See Hill, R., and Krause, assignors.)

Chicago Forging & Manufacturing Company. (See Krause, Walter H., assignor.)

Chicago Pneumatic Tool Company. (See Cox, C. E., and Collins, assignors.)

Chilton, Alfred H., London, England, assignor, by mesne assignments, to The Safety Car Heating & Lighting Company, Inc., New York, N. Y. Window and blind arrangement. 2,269,579; Jan. 13.

Chireix, Henri, and J. Fagot, Paris, France, assignors to Compagnie Generale de Telegraphic Sans Fil. Amplification. 2,269,518; Jan. 13.

Christensen, Leon M. (See McPherson, W. K., and Christensen.)

Christenson, George A., Bell, assignor to Killefer Manufacturing Corporation, Los Angeles, Calif. Land leveler. 2,269,519; Jan. 13.

Christopher, Arthur B., Audubon, N. J., assignor to The Ruberoid Co., New York, N. Y. Asbestos-cement pipe. 2,269,436; Jan. 13.

Chromogen, Incorporated. (See Gáspár, Béla, assignor.)

Clark, Charles C., Columbus, Ohio. Cabinet labeling device. 2,269,902; Jan. 13.

Clayton, James O., and B. B. Farrington, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,270,113; Jan. 13.

Clemmer, William L., Monroe, Wis. Determining vertical angles of energy waves. 2,269,437; Jan. 13.

Clemons, C. Wood, assignor to Knapp-Monarch Company, St. Louis, Mo. Waffle iron hinge. 2,269,844; Jan. 13.

Cleven, Oluf L., Washington, D. C. Tabulating machine. 2,269,894; Jan. 13.

Club Aluminum Products Company. (See Hellberg, Carl W., assignor.)

Cluett, Peabody & Co. (See Swan, T. H., and Donaldson, assignors.)

Coffey, Irven E. (See Ericson, G. R., and Coffey.)

Coffing, Frederick W., Danville, Ill. Free-chain planetary hoist. 2,269,438; Jan. 13.

Cohen, William B., and L. Fine, assignors to Stuart Products Company, St. Paul, Minn. Supporting stand. 2,269,430; Jan. 13.

Cole, Edward R., and R. I. Thrune, assignors to The Dow Chemical Company, Midland, Mich. Making shaped articles from coke and pitch. 2,270,181; Jan. 13.

Cole, Samuel F., Washington, D. C. Viscometer. 2,269,648; Jan. 13.

Collings, William R., G. P. Schmelter, and F. E. Dulmage, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of purified vinyl aromatic resins in powdered form. 2,270,182; Jan. 13.

Collins, Lester L. (See Cox, C. E., and Collins.)

Color Research Corporation. (See Grimson, Samuel B., assignor.)

Colt, Samuel S., West Orange, N. J. Retaining means for concrete form walls. 2,270,035; Jan. 13.

Colt's Patent Fire Arms Manufacturing Company. (See Webb, George, assignor.)

Combustion Engineering Company. (See Crites, Joe, assignor.)

Comley, James H., East Orange, N. J. Paper clip. 2,269,649; Jan. 13.

Compagnie Generale de Telegraphie Sans Fil. (See Aubert, R., and Villem, assignors.)

Compagnie Generale de Telegraphic Sans Fil. (See Chireix, H., and Fagot, assignors.)

Conlon, James L., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Back window installation. 2,270,036; Jan. 13.

Connolly, George E., Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y. Furnace apparatus and calcining lime with recovery of carbon dioxide. 2,269,580; Jan. 13.

Consortium fur Elktrochemische Industrie, G. m. b. H. (See Mugdan, M., and Wimmer, assignors.)

Continental Machines, Incorporated. (See Wilkie, Robert J., assignor.)

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dialkylphenol sulphides. 2,270,183; Jan. 13.

Coonen, Max. (See Tisnerat, A., and Coonen.)

Cooney, John M., Cincinnati, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Measuring apparatus. 2,269,650; Jan. 13.

Corbin, Elbert A., Jr., assignor of one-half to W. C. Biddle, Lansdowne, Pa. Reversible valve. 2,270,037; Jan. 13.

Corbin, Elbert A., Jr., Lansdowne, assignor of one-third to E. W. Wolf, Philadelphia, Pa., and one-third to B. C. B. Industries, Inc. Apparatus for processing sheet material. 2,270,038; Jan. 13.

Cowie, James C., Liverpool, Nova Scotia, Canada. Centering guide pin for diestocks. 2,269,756; Jan. 13.

Cox, Clarence E., and L. L. Collins, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Compressor regulator. 2,269,620; Jan. 13.

Cox, Ellis Elmo, Leavenworth, Kans. Instrument holder for music stands. 2,269,903; Jan. 13.

Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Weld metal. 2,269,581; Jan. 13.

Crites, Joe, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Fan wheel. 2,269,520; Jan. 13.

Crocker, William D., assignor to American Bosch Corporation, Springfield, Mass. Rotor for electric generators. 2,269,651; Jan. 13.

Crooks, Kenneth E., Williamsport, Pa. Composite board flooring. 2,269,926; Jan. 13.

Crooks, Kenneth E., Williamsport, Pa. Composite floor and floor unit for forming the same. 2,269,927; Jan. 13.

Crown Cork & Seal Company. (See De Holczer, Louis J., assignor.)

Curle, George L., Minneapolis, Minn. Waste metal catcher for type casting machines. 2,270,034; Jan. 13

Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)

Czerwin, Edward P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,269,998; Jan. 13.

Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Anode. 2,269,845; Jan. 13.

Dairy Devices Co. (See Linch, Ralph E., assignor.)

Daley, Edwin F., Brooklyn, N. Y., assignor to F. S. Stout, Camden, N. J. Drier. 2,270,111; Jan. 13.

Daniel, Robert S., assignor of one-half to J. J. Duffie, New York, N. Y. Demonstration card file. 2,269,999; Jan. 13.

Danker, Hugo M., Oak Park, Ill. Belt adjusting device. 2,270,000; Jan. 13.

Darrah, William A., Chicago, Ill. Plastic product and manufacture. 2,269,521; Jan. 13.

Davis, Bernard H. (See Davis, William A. and B. H.)

Davis, Joseph C., Mamaroneck, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Closure. 2,270,018; Jan. 13.

Davis, J. Windsor, joint trustee, et al. (See Brady, David R., assignor.)

Davis, Robert E., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala. Knitting. 2,269,757; Jan. 13.

Davis, W. B., & Son, Inc. (See Davis, Robert E., assignor.)

Davis, William A. and B. H., assignors to The Aridor Company (Canada) Limited, Hamilton, Ontario, Canada. Taping machine. 2,269,621; Jan. 13.

Dearborn, Frederick E. (See Bowen, C. V., and Dearborn.)

De Boer, John H., Syracuse, N. Y. Bed display outfit. 2,270,039; Jan. 13.

De Botelho, Martin, New York, N. Y. Soap article. 2,269,871; Jan. 13.

Decker, Josef B., Elkton, Md., assignor to Triumph Explosives, Inc. Signal flare. 2,269,582; Jan. 13.

Deere & Company. (See Brown, Theophilus, assignor.)

Deere & Company. (See Frederiksen, Carl J., assignor.)

Deere & Company. (See Neighbour, Leonard B., assignor.)

De Filippis, Raymond, Brooklyn, N. Y. Hydraulic diaphragm brake. 2,269,439; Jan. 13.

De Holczer, Louis J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cork composition. 2,269,440; Jan. 13.

De Holczer, Louis J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure. 2,269,441; Jan. 13.

De Los Sinden, A., Aurora, Ill., assignor to Redier Conveyor Company, Quincy, Mass. Conveyer. 2,269,558; Jan. 13.

De Margitta, Michael J. N., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,270,162; Jan. 13.

Dench, Edward C., Worcester, Mass. Thermally responsive gas-discharge device. 2,269,442; Jan. 13.

De Noronha, Joaquin, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J. Mechanical press. 2,269,758; Jan. 13.

De Noronha Rubber Products Corporation. (See de Noronha, Joaquin, assignor.)

Deubel, Justin A., assignor to Perfex Corporation, Milwaukee, Wis. Burner control system. 2,269,443; Jan. 13.

Deusch, Theodore W., Magnolia, N. J. Bookholder and carrier (jacket). 2,270,213; Jan. 13.

Deutsch, Siegfried, assignor to Ellis Miller, Brussels, Belgium. Cladding metals and the product thereof. 2,269,523; Jan. 13.

Dickson, Robert B., Evanston, Ill. Fastening element. 2,269,708; Jan. 13.

Dickson, George E., assignor to Dickson Weatherproof Nail Company, Evanston, Ill. Method of and apparatus for making weatherproof nails. 2,269,710; Jan. 13.

Dickson, Robert B., assignor to Dickson Weatherproof Nail Company, Evanston, Ill. Making weatherproof nails. 2,269,709; Jan. 13.

Dickson Weatherproof Nail Company. (See Dickson, George E., assignor.)

Dickson Weatherproof Nail Company. (See Dickson, Robert B., assignor.)

Diehl, G. M., Machine Works, The. (See Gustin, George M., assignor.)

Dirkes, Carl E., Detroit, Mich. Lubricating system. 2,269,928; Jan. 13.

Disney, Walt, Productions. (See Garity, W. E., and Wolfe, assignors.)

Dixon, A. E., et al. (See Harris, Charles F., assignor.)

Dollins, James T., Dallas, Tex. Door holding device. 2,269,759; Jan. 13.

Donaldson, Harry C., Jr. (See Swan, T. H., and Donaldson.)

Doran, Wilbur J. (See Shonle, H. A., and Doran.)

Douglas Aircraft Company. (See Spangenberg, Alfred L., assignor.)

Dow Chemical Company, The. (See Bass, S. L., and Upright, assignors.)

Dow Chemical Company, The. (See Cole, E. R., and Thrune, assignors.)

Dow Chemical Company, The. (See Collings, W. R., Schmelter, and Dulmage, assignors.)

Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)

Dow Chemical Company, The. (See Dreisbach, R. R., and Stoesser.)

Dow Chemical Company, The. (See Dulmage, Frederick E., assignor.)

Dow Chemical Company, The. (See McDonald, John C., assignor.)

Dow Chemical Company, The. (See McPherson, W. K., and Christensen, assignors.)

Dow Chemical Company, The. (See Thrune, Richard L., assignor.)

Dow Chemical Company, The. (See Upright, Richard M., assignor.)

Downing, Adrian P., Winter Haven, Fla. Shipping container. 2,269,622; Jan. 13.

Downs, William T., Detroit, Mich. Cooling mechanism. 2,269,929; Jan. 13.

Draut, John, Philadelphia, Pa. Safety razor. 2,269,711; Jan. 13.

Dreibuss, Harry C., and F. H. Spenner, assignors to Scullin Steel Co., St. Louis, Mo. Highway grating. 2,269,522; Jan. 13.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Purifying vinyl aromatic resins. 2,270,184; Jan. 13.

Dreisbach, Robert R., and S. M. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Resinous copolymers of vinyl aromatic compounds. 2,269,810; Jan. 13.

Dresser Manufacturing Company. (See Scharf, Paul B., assignor.)

Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheet and making. 2,269,712; Jan. 13.

Drodofsky, Martin, and G. Förstner, assignors to the firm of Carl Zeiss, Jena, Germany. Illumination device for spherical levels. 2,270,163; Jan. 13.

Dromgold, Frank A., Brisbane, Calif. Material separation device. 2,269,583; Jan. 13.

Duffie, John J. (See Daniel, Robert S., assignor.)

Dulmage, Frederick E., assignor to The Dow Chemical Company, Midland, Mich. Simultaneous manufacture of containers and closures. 2,270,185; Jan. 13.

Dulmage, Frederick E. (See Collings, W. R., Schmelter, and Dulmage.)

Dulmage, Frederick E., assignor to The Dow Chemical Company, Midland, Mich. Film drawing and trimming machine. 2,270,186; Jan. 13.

Dulmage, Frederick E., assignor to The Dow Chemical Company, Midland, Mich. Machine for drawing and trimming thermoplastic containers. 2,270,187; Jan. 13.

Duncan, William G., assignor to Interlox Structures Limited, London, England. Shuttering board. 2,270,114; Jan. 13.

Dunham, C. A., Company. (See Powell, Ellis G., assignor.)

Dunker, Richard C. (See Born, J. A., and Dunker.)

Du Pont, E. I., de Nemours & Company. (See Berchet, Gerard J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Czerwin, Edward P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Fitch, Howard M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hanford, W. E., and Schreiber, assignors.)

Du Pont, E. I., de Nemours & Company. (See Neal, A. M., and Sturgis, assignors.)

Du Pont, E. I., de Nemours and Company. (See Schlack, Paul, assignor.)

Durham, Hobart N., Munsey Park, N. Y., and G. B. Finnegan, Jr., Mountain Lakes, N. J. Testing device. 2,269,444; Jan. 13.

Du Rietz, Gösta, and L. J. F. Ell, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Mixing apparatus. 2,270,164; Jan. 13.

Easter, George J., assignor to The Carborundum Company, Niagara Falls, N. Y. Glass tank wall and constructing it. 2,269,445; Jan. 13.

Easton, James H. (See Rea, W. H., and Weeks, assignors.)

Eastwood-Neally Corporation. (See Specht, Harry G., assignor.)

Edström, Eric, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,269,446; Jan. 13.

Edwards, George W., Wembley, England, assignor to Hazeltine Corporation. Synchronizing-signal separating apparatus. 2,269,524; Jan. 13.

Ehrlich, Louis B., Toledo, Ohio. Windshield wiper arm. 2,269,623; Jan. 13.

Eldredge, Kenneth R., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Electrical measuring device. 2,269,584; Jan. 13.

Eldredge, Kenneth R., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Detonation indicator. 2,269,760; Jan. 13.

Electrical Research Products, Inc. (See Scoville, Ray R., assignor.)

Electrolux Corporation. (See Edström, Eric, assignor.)

Electrolux Corporation. (See Ell, Lars J. F., assignor.)

Eliot, Samuel, Newton, Mass. Muffler for internal combustion engines. 2,270,115; Jan. 13.

Ell, Lars J. F. (See Du Rietz, G., and Ell, assignors.)

Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,269,447; Jan. 13.

Ellis, Daniel S., Cleveland, Ohio, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Bearing element for machine parts. 2,270,205; Jan. 13.

Elwood, Louis J., Los Angeles, Calif. Wire brush. 2,269,811; Jan. 13.

Emmons, Floyd B. (See Michel, George E., R. G., and Emmons.)

Engel, Raymond A., assignor to Fisher Governor Company, Marshalltown, Iowa. Liquid level control. 2,269,846; Jan. 13.

English, Jackson P., and R. O. Roblin, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of isocytosine. 2,269,652; Jan. 13.

Erickson, Charles A., assignor to United Specialties Company, Chicago, Ill. Vapor dome. 2,269,624; Jan. 13.

Erickson, Charles A., assignor to United Specialties Company, Chicago, Ill. Pump. 2,269,625; Jan. 13.

Erickson, Clarence N., Glendale, Calif. Resuscitator-aspirator-insufflator. 2,269,904; Jan. 13.

Ericson, George R., Kirkwood, and I. E. Coffey, Normandy, Mo. Internal combustion engine. 2,269,930; Jan. 13.

Erwin, Ralph J., Ballinger, Tex. Shutter for projection apparatus. 2,269,713; Jan. 13.

Ethyl Gasoline Corporation. (See Calingaert, G., and Beatty, assignors.)

Evans, James C. (See Adler, H. G., and Evans.)

F. A. F. Heater Corporation. (See Scheurer, Paul P., assignor.)

Fafnir Bearing Company. (See Potter, Howell L., assignor.)

Fagot, Jacques. (See Chireix, H., and Fagot.)

Farrell, Edward J., New York, N. Y. Hair waving pad. 2,270,040; Jan. 13.

Farrington, Bruce B. (See Clayton, J. O., and Farrington.)

Fawick, Thomas L., Akron, Ohio. Rotary reversing valve assembly. 2,270,019; Jan. 13.

Featherston, Edgar R., and R. E. Petry, Richmond, Ind. Screen and trap attachment. 2,270,116; Jan. 13.

Feinson, Mac B., Brooklyn, N. Y. Support for soap dispensers. 2,269,847; Jan. 13.

Feldman, Max G., and B. Perlow, Pittsburgh, Pa. Artificial tooth. 2,269,585; Jan. 13.

Feller, John E. O., Canton, Ohio. Film winding apparatus. 2,269,653; Jan. 13.

Fenton, Ray M., University Heights, assignor to The Midland Steel Products Company, Cleveland, Ohio. Blanking apparatus. 2,269,714; Jan. 13.

Fergusson, Alan R., New Rochelle, assignor to Snackstands, Inc., New York, N. Y. Nested utility device. 2,270,041; Jan. 13.

Ferris, Henry E., Harvard, Ill. Airplane mooring. 2,270,042; Jan. 13.

Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Water heater. 2,269,448; Jan. 13.

Ferrocart Corporation of America. (See Fill, John V., assignor.)

Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,269,931; Jan. 13.

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Langer, Max, assignor.)

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Langer, M., and Horn, assignors.)

"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See v. Borries, B., and Müller, assignors.)

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Horn, Ernst, assignor.)

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Weis, Adolf, and Brackmann, assignors.)

Field, Edward A., Jr., Chicago, Ill. Draft control. 2,269,932; Jan. 13.

Filer & Stowell Co., The. (See Kahr, Martin, assignor.)

Fill, John V., Dobbs Ferry, N. Y., assignor to Ferrocart Corporation of America, Hastings-on-Hudson, N. Y. Radio receiver. 2,270,117; Jan. 13.

Finch, Leon, Ltd. (See Rogers, Thomas P., assignor.)

Fine, Lewis. (See Cohen, W. B., and Fine.)

Finnegan, George B., Jr. (See Durham, H. N., and Finnegan, Jr.)

Firestone Tire & Rubber Company, The. (See Soper, Gilbert V., assignor.)

Firth, David. (See Vanderpoel, A. G. H., Ostling, and Firth.)

Fischer, Albert C., Chicago, Ill. Expansion joint accessory. 2,269,449; Jan. 13.

Fischer, Howard J., assignor to The Gardner-Richardson Company, Middletown, Ohio. Display container. 2,269,715; Jan. 13.

Fisher Governor Company. (See Engel, Raymond A., assignor.)

Fisher, Lawrence E., and W. H. Frank, assignors to Bulldog Electric Products Company, Detroit, Mich. Fuse holder. 2,269,586; Jan. 13.

Fitch, Howard M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-(alpha-beta-alkenylidene)-aminophenols. 2,269,450; Jan. 13.

Fitch, Howard M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of n-alkyl amino-phenols. 2,270,215; Jan. 13.

Five Point Seal Corporation. (See Kurth, Matthew G., assignor.)

Flashfold Box Corporation. (See Chaffin, Donald L., assignor.)

Fleischer, Nathan, Brooklyn, N. Y. Carbon paper container. 2,269,525; Jan. 13.

Flygare, Carl G., Worcester, and J. I. Garside, West Boylston, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,270,206; Jan. 13.

Foley, Fred C., Buffalo Ridge, Va., assignor of one-half to G. H. Hutaff, Jr., Wilmington, N. C. Cigar box. 2,270,001; Jan. 13.

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Automobile body construction. 2,269,451; Jan. 13.

Ford, Henry, Dearborn, and E. T. Gregorie, Grosse Ile, assignors to Ford Motor Company, Dearborn, Mich. Automobile chassis construction. 2,269,452; Jan. 13.

Ford, Henry, Hospital. (See Hartman, Frank W., assignor.)

Ford Motor Company. (See Ford, Henry, assignor.)

Ford Motor Company. (See Ford, H., and Gregorie, assignors.)

Ford Motor Company. (See Sorensen, Charles E., assignor.)

Ford Motor Company. (See Toelle, August, assignor.)

Ford Motor Company. (See Wharam, J. J., and Hohwart, assignors.)

Forst, Albert J. (See Kowalsky, George W., assignor.)

Förstner, Gustav. (See Drodofsky, M., and Förstner.)

Foster, Arthur S., Stourport-on-Severn, and G. M. Gill, London, England. Pipe joint. 2,269,895; Jan. 13.

Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Video amplifier. 2,269,654; Jan. 13.

Foster Wheeler Corporation. (See Carpenter, Samuel J., assignor.)

Foultz, John C. L., Tarentum, Pa. Apparatus for minimizing distortion of aluminum and similar sheets. 2,269,655; Jan. 13.

Fourness, Charles A., Appleton, and R. A. Moravek, assignors to Paper Patents Company, Neenah, Wis. Compressed wadding roll. 2,270,043; Jan. 13.

Fowler, Thaddeus C., Huntington, W. Va. Putyless ventilated skylight. 2,269,656; Jan. 13.

Frank, William H. (See Fisher, L. E., and Frank.)

Franke, Edward P., Baltimore, Md. Decorative article. 2,269,657; Jan. 13.

Franzen, James F., Chicago, Ill., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for cutting metal. 2,269,526; Jan. 13.

Fraser Products Co. (See Allaback, William J., assignor.)

Frederiksen, Carl J., assignor to Deere & Company, Moline, Ill. Cutting apparatus. 2,269,527; Jan. 13.

French, Kenneth, Waterbury, Conn. Control apparatus for oil burners. 2,269,848; Jan. 13.

Fre-Park Timer Incorporated. (See Orenstein, Samuel, assignor.)

Frohring, William O., L. J. Szabo, and M. Landy, Cleveland, Ohio, assignors to S. M. A. Corporation, Chicago, Ill. N-paratoluene sulphonyl pyridine carboxyl amide and the preparation thereof. 2,270,201; Jan. 13.
Fulton, Stewart C., and B. Malishev, Elizabeth, N. J., assignors to Standard Oil Development Company. Hydrocarbon conversion and catalyst therefor. 2,270,044; Jan. 13.
Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Automatic stoker. 2,269,812; Jan. 13.
Gallup, John L., Newark, N. J., assignor to Radio Corporation of America. Manufacturing metal spheres. 2,269,528; Jan. 13.
Gardner-Richardson Company, The. (See Fischer, Howard J., assignor.)
Garity, William E., Los Angeles, and H. Wolfe, North Hollywood, assignors to Walt Disney Productions, Burbank, Calif. Photometer system. 2,269,813; Jan. 13.
Garside, John I. (See Flygare, C. G., and Garside.)
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Production of colored photographic pictures. 2,270,118; Jan. 13.
Gaston, George H., Kerrville, Tex. Metal shingle. 2,269,872; Jan. 13.
Gates, William E. F. (See Renfrew, A., and Gates.)
Gauvreau, Joseph E., assignor to E. F. Kemp, Inc., Somerville, Mass. Showcase. 2,269,761; Jan. 13.
Gayhart, Everett L., U. S. Navy. Device for detecting displacements. 2,269,453; Jan. 13.
Gebert, Albert E., Wilmette, and F. C. Black, assignors to Advance Machine Co., Chicago, Ill. Coin detector mechanism for vending machines. 2,269,762; Jan. 13.
Geiger, Robert H., Dayton, Ohio. Refrigerating apparatus. 2,269,873; Jan. 13.
Gelbman, Louis, et al. (See Olsen, Eugene F., assignor.)
General Aniline & Film Corporation. (See Creune, H., Langbein, and Thiele, assignors.)
General Aniline & Film Corporation. (See Mieg, W., and Wieners, assignors.)
General Aniline & Film Corporation. (See Nawiasky, P., and Wolthuis, assignors.)
General Electric Company. (See Bartelink, Everhard H. B., assignor.)
General Electric Company. (See Bowtell, J. N., Jenkins, and McKeag, assignors.)
General Electric Company. (See Halberg, Maynord N., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Hüniger, M., and Panke, assignors.)
General Electric Company. (See Johnson, W. M., and Isaac, assignors.)
General Electric Company. (See Kronmiller, Charles W., assignor.)
General Electric Company. (See Malloy, J. J., and Hofmann, assignors.)
General Electric Company. (See Meissner, A., and Burckhardt, assignors.)
General Electric Company. (See Root, Charles S., assignor.)
General Electric Company. (See Safford, Moyer M., assignor.)
General Electric Company. (See Scheldorf, Marvel W., assignor.)
General Electric Company. (See Scheuermeyer, Emil, assignor.)
General Electric Company. (See Whiteley, A. L., and Higgins, assignors.)
General Fire Extinguisher Company. (See Borg, G. A., and Hyland, assignors.)
General Luminescent Corporation. (See Isenberg, Sampson, assignor.)
George, Everett D., and H. M. Brown, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Valve buffing and polishing machine. 2,269,658; Jan. 13.
Georgia Iron Works. (See Hogan, William, assignor.)
Gibbins, Leslie B. (See Taylor, W. I., and Gibbins.)
Gibson, John G., Los Angeles, Calif. Measuring instrument. 2,269,814; Jan. 13.
Giddings & Lewis Machine Tool Co. (See Woytych, Raymond J., assignor.)
Gill, Geoffrey M. (See Foster, A. S., and Gill.)
Gizzi, Berardino, Wilmerding, Pa. Railroad tie. 2,269,906; Jan. 13.
Glaser, Clifford R. (See Lauterbur, E. J., and Glaser.)
Glick, Edward G., assignor of one-half to R. McCormick, Chicago, Ill. Speed control mechanism. 2,270,002; Jan. 13.
Glidden Company, The. (See Mowlds, Kenneth S., assignor.)
Glowaski, William, St. Paul, Minn. Rock drill attachment. 2,269,659; Jan. 13.
Goddard & Goddard Company. (See Head, Ernest C., assignor.)
Gold, Edward, Huntington, N. Y. Washboard. 2,269,933; Jan. 13.
Goldman, Harvey H. (See Klamm, Clarence F., assignor.)
Goldsmith, Henry A., Bronx, assignor to H. Bennett, Woodmere, N. Y. Emulsifier and emulsion. 2,269,529; Jan. 13.
Goldsmith, Maurice O., Dorchester, Mass. Filing device. 2,270,045; Jan. 13.
Goodenough, Russell E. (See Terry, W. F., and Goodenough.)
Goodman, Benjamin B., assignor of one-half to H. Scheinberg, Baltimore, Md. Shoe. 2,269,815; Jan. 13.
Goodrich, B. F., Company, The. (See Cooney, John M., assignor.)
Goodrich, B. F., Company, The. (See Griffin, George E., assignor.)
Goodwin, Henry S., East Bound Brook, and H. D. Winters, Jr., Roselle Park, N. J., assignors to Standard Oil Development Company. Composition of asphalt saturants. 2,270,047; Jan. 13.
Grace, Nathaniel H., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Treatment of plant stem cuttings. 2,270,046; Jan. 13.
Graham, Robert K., Lansing, Mich. Optical instrument. 2,269,905; Jan. 13.
Graham, William T., Elm Grove, assignor to A. O. Smith Corporation, Milwaukee, Wis. Covered welding electrode. 2,270,020; Jan. 13.
Grant, David H., Seattle, Wash. Corn cutter and loader. 2,269,530; Jan. 13.
Grant, Gerald M. M., Los Angeles, Calif. Piston ring. 2,269,763; Jan. 13.
Graver Tank & Mfg. Co. (See Wilkin, Lester A., assignor.)
Gray, Robert, Pointe Claire, Quebec, Canada. Steam boiler. 2,270,048; Jan. 13.
Green, Jack, Norfolk, Va. Tire buffing machine. 2,270,119; Jan. 13.
Greene, Norman J., Berwyn, Pa. Wind velocity and direction indicator. 2,270,120; Jan. 13.
Greenstein, Phillip, Cleveland, Ohio. Carrying case or bag. 2,270,049; Jan. 13.
Gregg, Jonas F., Mishawaka, Ind. Pump and clarifier. 2,269,716; Jan. 13.
Greene, John W. (See Burke, James P., assignor.)
Greer, Agnes J. R., Morgantown, W. Va. Metal coil. 2,269,454; Jan. 13.
Gregorie, Eugene T. (See Ford, H., and Gregorie.)
Greune, Heinrich, Frankfort-on-the-Main, G. Langbein, Hofheim, Taunus, and M. Thiele, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Preparing dyestuffs of the dioxazine series. 2,269,531; Jan. 13.
Grey Iron Casting Company. (See Schmidt, Samuel S., assignor.)
Griffin, George E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preventing the adhesion of rubber. 2,269,660; Jan. 13.
Grimes, Thaddens S., Columbus, Ga., assignor to Lummus Cotton Gin Company. Gin roll box front. 2,269,934; Jan. 13.
Grimson, Samuel B., assignor to Color Research Corporation, New York, N. Y. Color photography, method, and apparatus. 2,270,050; Jan. 13.
Groene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Multiple spindle indexing crankshaft lathe. 2,269,908; Jan. 13.
Groll, Herbert P. A., Berkeley, and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalyst. 2,270,165; Jan. 13.
Guardian Electric Manufacturing Co. (See Nelsen, M. G., and Obszarny, assignors.)
Guardian Electric Manufacturing Co. (See Obszarny, Theodore, assignor.)
Gulbransen Company. (See Ketterman, Sylvan K., assignor.)
Gulf Oil Corporation. (See Catanach, A. E., and Kolthoff, assignors.)
Gulf Research & Development Company. (See Kennedy, Harvey T., assignor.)
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Laminated dispensing tube and making same. 2,269,661; Jan. 13.
Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,269,907; Jan. 13.
Gustin, Daniel S. (See Carpenter, W. E., Gustin, and Hays.)
Gustin, George M., assignor to The G. M. Diehl Machine Works, Wabash, Ind. Veneer joining machine. 2,269,816; Jan. 13.
Gutman, Charles, Chicago, Ill. Garden shears. 2,269,764; Jan. 13.
Guyot, Reinhard, Los Angeles, Calif. Safety clip. 2,269,662; Jan. 13.
Habermehl, Erich. (See Bechtle, R., and Habermehl.)
Haddorf Piano Company, The. (See Peterson, Olaf, assignor.)
Haeffner, Jesse R., Leavenworth, Kans. Stock and die lubricator. 2,270,121; Jan. 13.
Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Mold and sprue sleeve therefor. 2,269,455; Jan. 13.
Hahn, Willard E., Wellsburg, W. Va., assignor to Arkell & Smiths, Canajoharie, N. Y. Valve bag. 2,269,849; Jan 13.

Halberg, Maynord N., Scotia, N. Y., assignor to General Electric Company. Control system for synchronous machines. 2,269,972; Jan. 13.
Halferdahl, Arthur C. (See Pitt, N. P., Halferdahl, and Lathe.)
Hall, Charles W., assignor to E. Clifford Heald, Denver, Colo. Rotary valve for internal combustion engines. 2,270,051; Jan. 13.
Hall, William R., Kingsville, Ontario, Canada. Message delivery device. 2,270,021; Jan. 13.
Hallerberg, Theodore W., and F. Sebok, Chicago, Ill., assignors to United Specialties Company, Detroit, Mich. Air cleaner. 2,269,663; Jan. 13.
Hallerberg, Theodore W., assignor to United Specialties Company, Chicago, Ill. Seal construction. 2,269,664; Jan. 13.
Hand, Frederick E. (See Raney, C. R., and Hand.)
Hanford, William E., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hydroxy aldehydes and hydroxy ketones. 2,269,935; Jan. 13.
Hannah, Peter. (See Beck, W. J., and Hannah.)
Hansen, William W., and R. H. Varian, assignors to Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electron beam oscillator. 2,269,456; Jan. 13.
Hardin, Ernest, Ardmore, Okla. Scissors or the like. 2,269,587; Jan. 13.
Harley-Davidson Motor Company. (See Kieckbusch, Edward H., assignor.)
Harrington, Ferris T., and R. L. Tweedale, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,269,765; Jan. 13.
Harris, Charles F., assignor of one-half to A. E. Dixon, R. M. Olive, and C. E. Rankin, Fayetteville, N. C. Coin changer and control device. 2,269,936; Jan. 13.
Hart, Frank D., Northville, Mich. Coin controlled liquid dispensing apparatus. 2,269,937; Jan. 13.
Hartman, Frank W., assignor to Henry Ford Hospital, Detroit, Mich. Refrigerating apparatus. 2,269,909; Jan. 13.
Hartwig, Arthur H. (See Bernhardt, W. M., and Hartwig.)
Hathaway, C. F., Co. (See Logan, Ashley J., assignor.)
Hathaway, Claude M., Denver, Colo., assignor to General Electric Company. Multiple range circuit timer. 2,269,973; Jan. 13.
Hattox, Erwin M., Baton Rouge, La., assignor to Standard Oil Development Company. Manufacture of hydrocarbon products. 2,270,052; Jan. 13.
Hays, Robert F., Jr. (See Carpenter, W. E., Gustin, and Hays.)
Hazeltine Corporation. (See Edwards, George W., assignor.)
Hazeltine Corporation. (See Lewis, H. M., and Wilson, assignors.)
Hazeltine Corporation. (See Loughren, Arthur V., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Head, Ernest C., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich. Gear cutter. 2,270,003; Jan. 13.
Heald, E. Clifford. (See Hall, Charles W., assignor.)
Hebler, William O., Westfield, N. J. Gas analysis apparatus. 2,269,850; Jan. 13.
Heddon's James, Sons. (See McArthur, Joseph, assignor.)
Hellberg, Carl W., assignor to Club Aluminum Products Company, Chicago, Ill. Cooking utensil. 2,269,627; Jan. 13.
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henney Motor Company. (See Schofield, Earl L., assignor.)
Henry, Charles P., Cranston, R. I. Curtain rod. 2,269,626; Jan. 13.
Henschel, Chester J., New York, N. Y. Heating device. 2,269,874; Jan. 13.
Henschel Flugzeugwerke A. G. (See Oeckl, Otto, assignor.)
Herbst, Walter, Danzig-Oliva, Free State of Danzig. Preparation of cellulose meal. 2,269,665; Jan. 13.
Hering, Donald, South Gate, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 2,269,717; Jan. 13.
Herrington, Bert L., assignor to Klamath Lumber and Box Company, Klamath Falls, Oreg. Box making machine. 2,269,766; Jan. 13.
Hicks, John B. (See Anderson, E. M., and Hicks.)
Hiensch, Johannes N., and E. M. H. Lips, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Making electrical connections. 2,270,166; Jan. 13.
Higgins, Bertram G. (See Whiteley, A. L., and Higgins.)
Hill, Crawford. (See Rose, Harry A., assignor.)
Hill, Rowland, and W. H. Krause, assignors to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch and operating means therefor. 2,270,053; Jan. 13.
Hines, John E., Rochester, Minn. Automobile jack. 2,270,004; Jan. 13.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Roll-over type dammer. 2,269,974; Jan. 13.
Hofmann, Erich M. (See Malloy, J. J., and Hofmann.)
Hogan, William, assignor to Georgia Iron Works, Augusta, Ga. Water seal for pumps. 2,270,054; Jan. 13.
Holmberg, Rudolph A. (See Rogers, C. R., Bechman, and Holmberg.)
Holsumback, Forrest T. (See Horton, Dock G., assignor.)
Honorary Advisory Council for Scientific and Industrial Research, The. (See Grace, Nathaniel H., assignor.)
Horn, Ernest, Berlin-Friedenau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,270,123; Jan. 13.
Horn, Ernst. (See Langer, M., and Horn.)
Horton, Dock G., Birmingham, Ala., assignor of one-half to F. T. Holsumback. Window screen and mounting therefor. 2,269,817; Jan. 13.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method of and apparatus for producing individual tea bags. 2,269,532; Jan. 13.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for making and filling bags. 2,269,533; Jan. 13.
Hohwart, Ernest F. (See Wharam, J. J., and Hohwart.)
Holophane Company. (See Rolph, Thomas W., assignor.)
Huber, William G., Hopkins, assignor to The Photoplating Company, Minneapolis, Minn. Illuminated sign. 2,269,718; Jan. 13.
Hubler, William G. (See Ladoo, R. B., and Hubler.)
Huffman, Russell L., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron. 2,269,851; Jan. 13.
Hughens, James H. (See Livingston, W. H., and Hughens.)
Hummel, Robert T., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Anode. 2,269,852; Jan. 13.
Hüniger, Magdalene, Berlin-Charlottenburg, and H. Panke, Berlin, Germany, assignors to General Electric Company. Luminescent material. 2,270,124; Jan. 13.
Hunt-Spiller Manufacturing Corporation. (See Ellis, Daniel S., assignor.)
Huntington, Howard, Stratford, Conn. Power driven razor. 2,269,875; Jan. 13.
Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier for continuous web, strip, or string materials. 2,270,125; Jan. 13.
Hutaff, George H., Jr. (See Foley, Fred C., assignor.)
Hutton, William G., Parma, assignor of one-third to W. H. Atwater, South Euclid, and one-third to R. M. Pierce, Lakewood, Ohio. Mathematical device. 2,269,975; Jan. 13.
Hyland, Carl G. (See Borg, G. A., and Hyland.)
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Draft element. 2,269,976; Jan. 13.
Hysell, Cecil L., assignor of one-sixth to M. D. Webster and one-eighth to R. R. Boise, Pomeroy, Ohio. Hand rake. 2,269,818; Jan. 13.
Iams, Harley A., Summit, N. J., assignor to Radio Corporation of America. Television transmitting tube. 2,269,588; Jan. 13.
Ilford Limited. (See Reindorp, John H., assignor.)
Illinois Tool Works. (See Poupitch, Ougljesa J., assignor.)
Imperial Chemical Industries Limited. (See Renfrew, A., and Gates, assignors.)
Imperial Chemical Industries Limited. (See Twitchett, Harry J., assignor.)
Ingersoll-Rand Company. (See Naab, Julius, assignor.)
Interchemical Corporation. (See Brown, Thomas P., assignor.)
Interlox Structures Limited. (See Duncan, William G., assignor.)
International Harvester Company. (See Baker, David B., assignor.)
International Harvester Company. (See Bundy, J. A., and Avila, assignors.)
International Harvester Company. (See Hipple, James L., assignor.)
International Harvester Company. (See Hyman, Benjamin M., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Lindgren, A. C., and Raney, assignors.)
International Harvester Company. (See MacDonald, Taymore D., assignor.)
International Harvester Company. (See Mott, Carl W., assignor.)
International Harvester Company. (See Morkoski, James, assignor.)
International Harvester Company. (See Raney, C. R., and Hand, assignors.)
International Harvester Company. (See Rogers, C. R., Bechman, and Holmberg, assignors.)
International Harvester Company. (See Sperry, Leonard B., assignor.)
Isaac, Elmer B. (See Johnson, W. M., and Isaac.)

Isenbegg, Sampson, assignor to General Luminescent Corporation, Chicago, Ill. White light lamp. 2,269,819; Jan. 13.
Jackson, Cerwill, Ludington, Mich. Implement for treating concrete and like plastic materials. 2,269,938; Jan. 13.
Jackson, James H., Detroit, Mich. Oil burning apparatus. 2,269,719; Jan. 13.
Jacobs, Grant, Des Moines, Iowa. Vehicle vibrating jack. 2,269,911; Jan. 13.
Jausey, Felix, Chicago, Ill. Viewing device. 2,270,005; Jan. 13.
Jacquard Knitting Machine Co. (See Sirmay, Julius, assignor.)
Jaeger, Gebhard, Columbus, Ohio. Self-winding reel. 2,269,534; Jan. 13.
Janisch, Maximillian P., Milwaukee, assignor to Badger Wood Plug Company, Appleton, Wis. Core plug. 2,269,939; Jan. 13.
Jayne, Laurence L., Davenport, Wash. Card segregation mechanism. 2,269,767; Jan. 13.
Jefferson Electric Company. (See Maurer, Leopold, assignor.)
Jefferson Electric Company. (See Rickmeyer, Ernst W., assignor.)
Jenkins, Henry G. (See Bowtell, J. N., Jenkins, and McKeag.)
Jensen, Joseph M., assignor to A. S. Vinzent, Oakland, Calif. Dispenser for granular substances. 2,269,876; Jan. 13.
Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Autographic register. 2,269,666; Jan. 13.
Joffe, Jessica F., assignor to The Platt & Munk Co. Inc., New York, N. Y. Printing playbook. 2,270,055; Jan. 13.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Harvester-thresher. 2,269,977; Jan. 13.
Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,270,056; Jan. 13.
Johnson, Axel A., Holly, Mich. Washing device. 2,269,721; Jan. 13.
Johnson, Gustave A., Irvington, N. J. Electric conductor. 2,269,877; Jan. 13.
Johnson, Harry E., Willoughby, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Solid lubricant. 2,269,720; Jan. 13.
Johnson, Henry J., North Arlington, N. J. Storage device. 2,269,940; Jan. 13.
Johnson, Wilber M., Cleveland, and E. B. Isaac, Cleveland Heights, Ohio, assignor to General Electric Company. Electrical terminal and connector structure. 2,270,126; Jan. 13.
Jones, E. D., & Sons Company. (See Jones, Dwight E., assignor.)
Jones, Dwight E., assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Jordan shell filling. 2,270,057; Jan. 13.
Jones, James A., Scottsville, and E. M. Nash, Charlottesville, Va. Holder for dental film developing hangers. 2,269,820; Jan. 13.
Jones, Minor C. K., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining of mineral oils. 2,270,058; Jan. 13.
Jones, Ralph E., Grand Rapids, Mich. Game. 2,269,941; Jan. 13.
Junkers Fleugzeug-und-Motorenwerk A. G. (See Baesgen, W., and Pätzold, assignors.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Borstel, Walter, assignor.)
Jurgensen, Delbert F., Jr., assignor to United States Gypsum Company, Chicago, Ill. Water resistant composition board. 2,269,457; Jan. 13.
Kahn, Noah A., Brooklyn, N. Y. Capsule for radioactive substances and means for handling the same. 2,269,458; Jan. 13.
Kalir, Martin, assignor to The Filer & Stowell Co., Milwaukee, Wis. Control mechanism for sawmill carriage steam feeds. 2,270,059; Jan. 13.
Karagheusian, A. & M., Inc. (See Baynton, Harold H., assignor.)
Kauffmann, Hugo J., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Refining of oils, fats, and waxes. 2,269,667; Jan. 13.
Kaufman, Alan J., Brooklyn, N. Y. Greeting card. 2,269,589; Jan. 13.
Keck, Walter, St. Louis, Mo. Holder for license vouchers. 2,269,535; Jan. 13.
Keeney, Paul E., Portland, Oreg. Logging block. 2,269,768; Jan. 13.
Keller, Rex E., Beverly Hills, Calif. Automatic transmission. 2,269,668; Jan. 13.
Kellogg, Helen L. (See Kellogg, John L., Jr., assignor.)
Kellogg, John L., Jr., Battle Creek, Mich., assignor, by mesne assignments, to H. L. Kellogg, Chicago, Ill. Puffed cereal product and making same. 2,269,536; Jan. 13.
Kelly, Michael H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Casting machine. 2,269,669; Jan. 13.
Kelsey-Hayes Wheel Company. (See Kelly, Michael H., assignor.)
Kemp, E. F., Inc. (See Gauvreau, Joseph E., assignor.)
Kemphert, Walter W., Maplewood, N. J., and D. E. Tessendorf, Fort Worth, Tex., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Sheave. 2,269,821; Jan. 13.
Kendall Company, The. (See Reed, Raymond E., assignor.)
Kennedy, Harvey T., Forest Hills, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Sealing porous formations. 2,270,006; Jan. 13.
Kennedy, John P., Medina, N. Y. Necktie holder. 2,269,769; Jan. 13.
Ketelsen, Peter, Wichita, Kans. Grain shocker. 2,269,770; Jan. 13.
Ketterman, Sylvan K., assignor to Gulbransen Company, Chicago, Ill. Electric organ. 2,269,942; Jan. 13.
Kieckbusch, Edward H., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Balance weight. 2,269,670; Jan. 13.
Killefer Manufacturing Corporation. (See Christenson, George A., assignor.)
Kimball, Edward H., Palo Alto, Calif. Chair. 2,269,878; Jan. 13.
King-Seeley Corporation. (See Adler, H. G., and Evans, assignors.)
Kinzle, Phillip A., Denver, Colo. Tube valve. 2,269,671; Jan. 13.
Kiser, Darwin R., Emporium, Pa. Manufacturing blackened steel electrodes. 2,269,943; Jan. 13.
Klamath Lumber and Box Company. (See Herrington, Bert L., assignor.)
Klamm, Clarence F., assignor to H. H. Goldman, St. Louis, Mo. Carbon holder. 2,269,771; Jan. 13.
Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Tensioning device. 2,269,672; Jan. 13.
Klein, Victor G. (See Barks, F. S., and Klein.)
Kleist, Dale, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Tubular fiber. 2,269,459; Jan. 13.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,269,460; Jan. 13.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Julcer drive mechanism. 2,269,853; Jan. 13.
Knapp-Monarch Company. (See Clemons, C. Wood, assignor.)
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
Knitting Machines Corporation. (See Lieberknecht, Karl R., assignor.)
Knös, Gunnar B. (See van Lammeren, J. A., van Dam, Vivie, and Knös.)
Köhler, Fritz. (See Scherpe, C., and Köhler.)
Kolovsky, Leon R., assignor to Weber Costello Company, Chicago Heights, Ill. Blackboard. 2,269,628; Jan. 13.
Kooperative Förbundet, Förening u. p. a. (See Bratt, Knut F., assignor.)
Kooperativa Förbundet, Forening U. P. A. (See Vigborg, Karl M., assignor.)
Kotlarz, John S., Elizabeth, N. J., assignor to Standard Oil Development Company. Tube seal. 2,270,060; Jan. 13.
Kowalsky, George W., assignor of one-half to A. J. Forst, Wisconsin Rapids, Wis. Bumper attached headlight. 2,269,822; Jan. 13.
Kraemer, Elmore A., assignor to West Bend Aluminum Company, West Bend, Wis. Serving grill. 2,270,061; Jan. 13.
Kramer, Albert J., Arlington, Va. Slotted map templet. 2,269,896; Jan. 13.
Krasniewski, Anthony F. (See Wnetrzak, Albert, assignor.)
Krause, Walter H. (See Hill, R., and Krause.)
Krause, Walter H., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Unitary guiding and latching means for automobile hoods. 2,269,537; Jan. 13.
Kravits, Arthur, assignor of one-half to A. Nemes, Budapest, Hungary. Arrangement for regulating the output of fuel pumps for internal combustion engines. 2,270,127; Jan. 13.
Kreidel, Hans, Wiesbaden, Germany. Tube coupling. 2,269,629; Jan. 13.
Kreiselman, Joseph, Washington, D. C. Insufflation apparatus. 2,269,823; Jan. 13.
Kresky, Jesse E., Petaluma, Calif. Electric air conditioning apparatus for brooders. 2,269,673; Jan. 13.
Kronmiller, Charles W., Fort Wayne, Ind., assignor to General Electric Company. Electrical apparatus. 2,269,978; Jan. 13.
Kruse, Norman F., Decatur, assignor to Central Soya Company, Inc., Fort Wayne, Ind. Phosphatide product and obtaining it. 2,269,772; Jan. 13.
Kurth, Matthew G., Madison, Wis., assignor to Five Point Seal Corporation, Oregon, Wis. Piston ring. 2,269,944; Jan. 13.
Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Venetian blind. 2,269,854; Jan. 13.

Ladoo, Raymond B., Newton, Mass., and W. G. Hubler, Duparquet, Quebec, Canada. Treating ores. 2,269,912; Jan. 13.
Lakso, Elmo E., Fitchburg, Mass. Method and apparatus for inserting packing in containers. 2,269,722; Jan. 13.
Landry, Rosemond L., Woodside, N. Y. Internal combustion engine. 2,269,945; Jan. 13.
Landy, Maurice. (See Frohring, W. O., Szabo, and Landy.)
Langbein, Gerhard. (See Greune, H., Langbein, and Thiele.)
Lange, Joseph A., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Work holder for drilling bowling balls. 2,269,946; Jan. 13.
Langer, Max, Berlin-Hermsdorf, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechtin mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,270,129; Jan. 13.
Langer, Max, Berlin-Hermsdorf, and E. Horn, Berlin-Friedenau, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,270,128; Jan. 13.
Laport, Edmund A., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Directive antenna system. 2,270,130; Jan. 13.
Lathe, Frank E. (See Pitt, N. P., Halferdahl, and Lathe.)
Lauterbur, Edward J., and C. R. Glaser, Sidney, Ohio, assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Drying machine. 2,269,773; Jan. 13.
Lawrence, Walter M., assignor of one-half to Joseph A. Bishop, Biloxi, Miss. Mowing machine. 2,269,774; Jan. 13.
Le Bleu, Charles, Los Angeles, Calif. Scraper. 2,269,775; Jan. 13.
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)
Lehmberg, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Respirator. 2,269,461; Jan. 13.
Lerner, Earl A. (See Ratkowski, T. A., and Lerner.)
Leupold, Erich, Lichtensteig, Switzerland. Uniform advance of thread guide. 2,270,131; Jan. 13.
Lewbers, Mys M., Bayside, N. Y., assignor to The Linde Air Products Company. Electric welding. 2,269,538; Jan. 13.
Lewin, Felix, Los Angeles, Calif., assignor to Research Engineering Company, Chicago, Ill. Photographic exposure meter. 2,269,723; Jan. 13.
Lewis, Benjamin F., and H. A. Lewis, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,260,462; Jan. 13.
Lewis, Harold M., Great Neck, and J. C. Wilson, Bayside, Long Island, N. Y., assignors to Hazeltine Corporation. Signal-translating system and operation. 2,269,590; Jan. 13.
Lewis, Herbert A. (See Lewis, Benjamin F. and H. A.)
Liddel, Urner, Greenwich, and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Photometric analysis. 2,269,674; Jan. 13.
Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Manufacturing pour point depressants for waxy lubricating oils. 2,270,062; Jan. 13.
Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Knitting Machine Corporation. Knitting machine. 2,269,463; Jan. 13.
Liebman, Max, Dorchester, Mass. Moistening device. 2,269,979; Jan. 13.
Leiter, Harry H. (See Longfellow, Earl E., assignor.)
Lilly, Eli, and Company. (See Shonle, H. A., and Doran, assignors.)
Linch, Ralph E., assignor to Dairy Devices Co., Incorporated Louisville, Ky. Dispensing device for aerated cream. 2,270,063; Jan. 13.
Lincoln Engineering Company. (See Barks, F. S., and Klein, assignors.)
Linde Air Products Company, The. (See Lewbers, Mys M., assignor.)
Lindemann, Herbert E., assignor to Perfex Corporation, Milwaukee, Wis. Control mechanism. 2,269,776; Jan. 13.
Lindgren, Alexus C., Cherry Valley, Ill., assignor to International Harvester Company. Harrow construction. 2,270,207; Jan. 13.
Lindgren, Alexus C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Harvester construction. 2,270,208; Jan. 13.
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Link-Belt Company. (See Maurer, Albrecht, assignor.)
Linkogel, Albert, Clayton, Mo. Grass cultivator. 2,269,724; Jan. 13.
Lips, Eduard M. H. (See Hiensch, J. N., and Lips, assignors.)
Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Spindle reel and toggle arms. 2,270,064; Jan. 13.
Littell, L. J., Machine Company. (See Littell, Frederick M., assignor.)
Livingston, William H., and J. H. Hughens, assignors to P. Y. Whitman, Birmingham, Ala. Illuminated sign for vehicles. 2,269,675; Jan. 13.
Locker, Sidney M., Bronx, N. Y. Lighter. 2,269,591; Jan. 13.
Lockheed Aircraft Corporation. (See Price, Nathan C., assignor.)
Logan, Ashley J., assignor to C. F. Hathaway Co., Waterville, Maine. Collar. 2,270,065; Jan. 13.
Lomax, Clarence E., Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone substation apparatus. 2,270,066; Jan. 13.
Long, Frank V., Compton, Calif. Gauge apparatus for liquid levels. 2,269,539; Jan. 13.
Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical threaded nail and applying same. 2,270,188; Jan. 13.
Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Corporation. Television signal-translating system. 2,269,540; Jan. 13.
Lubri-Zol Corporation, The. (See Johnson, Harry E., assignor.)
Luckhaupt, Christopher, Jamaica, N. Y. Molding casein products. 2,269,464; Jan. 13.
Ludwig, Sidney, assignor to The Ward Products Corporation, Cleveland, Ohio. Antenna mounting. 2,269,947; Jan. 13.
Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
Lund, Oscar E., San Bernardino, Calif. Folding chair. 2,269,777; Jan. 13.
Lykken, Henry G., Minneapolis, Minn. Treating iron ore. 2,269,465; Jan. 13.
MacDonald, Arch, Seattle, Wash. Smoking pipe. 2,269,541; Jan. 13.
MacDonald, Raymore D., Western Springs, Ill., assignor to International Harvester Company. Mower. 2,269,980; Jan. 13.
Madden, Paul E., Chicago, Ill. Continuous boiler blowdown apparatus. 2,270,067; Jan. 13.
Magerkurth, Roy. (See Wallace, G. M., and Magerkurth.)
Magnetic Pigment Company. (See Remsen, Irving B., assignor.)
Malanowski, Stanley, Tampa, Fla. Filter. 2,269,725; Jan. 13.
Malishev, Boris. (See Fulton, S. C., and Malishev.)
Mallinckrodt Chemical Works. (See Ruhoff, John R., assignor.)
Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,269,948; Jan. 13.
Mallory, Marion, Detroit, Mich. Carburetor. 2,269,949; Jan. 13.
Malloy, John J., Cleveland Heights, and E. M. Hofmann, Euclid, Ohio, assignors to General Electric Company. Coating apparatus. 2,270,132; Jan. 13.
Maltby, Sidney T., and G. B. Miller, assignors to Stone Straw Corporation, Washington, D. C. Making telescoping drinking tubes. 2,269,593; Jan. 13.
Manning, Bowman & Co. (See Rehm, William C., assignor.)
Manning, Maxwell & Moore, Inc. (See Whitcomb, Preston, assignor.)
Manofsky, John J., Warren, Ohio, assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,269,677; Jan. 13.
Manson, Frank G., Dayton, Ohio. Aerial trailer. 2,269,469; Jan. 13.
Marinello, Carl, Chicago, Ill. Transportation body. 2,269,630; Jan. 13.
Marinello, Carl, Chicago, Ill. Transportation body construction. 2,269,631; Jan. 13.
Marinsky, Davis. (See Morin, Louis H., assignor.)
Marinsky, Davis. (See Morin, L. H., and Marinsky.)
Marinsky, Davis, assignor, by mesne assignments, of one-half to said D. Marinsky, and one-half to L. H. Morin, Bronx, N. Y. Pull lock for sliders. 2,269,879; Jan. 13.
Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Safety pin lock slider. 2,270,068; Jan. 13.
Markowitz, Jack, Newark, N. J. Robe. 2,269,632; Jan. 13.
Martin, Clifford M., Denver, Colo. Posture gauge. 2,270,069; Jan. 13.
Martin, William H., Pleasant Ridge, Mich. Welder. 2,269,726; Jan. 13.
Marwil, Melvin, Detroit, Mich. Watch band. 2,270,216; Jan. 13.
Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Modulation of wire and radio transmission by frequency variation. 2,269,594; Jan. 13.
Mauerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Manufacturing coil structures. 2,269,678; Jan. 13.
Maurer, Albrecht, Bad Homburg, vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill. Chain drive. 2,270,133; Jan. 13.
McArthur, Joseph, assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure guard. 2,270,070; Jan. 13.
McBride, Lewis M., Edgewood Arsenal, Md. Disintegrating and stabilizing apparatus. 2,269,466; Jan. 13.
McCormack, Adolph T., Oakland, Calif. Clothesline. 2,269,824; Jan. 13.

McCormick, Rembe. (See Glick, Edward G., assignor.)
McCullough, James H., assignor to The Atlantic Refining Company, Philadelphia, Pa. Recovery of solvent from hydrocarbon oils. 2,269,467; Jan. 13.
McDonald, Arthur J., Watertown, Mass. Display and shipping container. 2,269,676; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,189; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,190; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,191; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,192; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,193; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,194; Jan. 13.
McDonald, John C., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,270,195; Jan. 13.
McGraw, George P., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating apparatus. 2,269,592; Jan. 13.
McGrew, Edwin H., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,270,071; Jan. 13.
McGrew, Edwin H., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,270,072; Jan. 13.
McKeag, Alfred H. (See Bowtell, J. N., Jenkins, and McKeag.)
McKee, Edward L., Redvale, Colo. Egg carton. 2,269,468; Jan. 13.
McKinnis, Ronald B., assignor to Sunshine Foods, Inc., Winter Haven, Fla. Apparatus for extracting fruit and vegetable juices. 2,270,007; Jan. 13.
McPhee, Nathaniel H., New Rochelle, N. Y. Marking element for mechanical pencils. 2,269,950; Jan. 13.
McPherson, William K., Ames, Iowa, and L. M. Christensen, Miller, Nebr., assignor to The Dow Chemical Company, Midland, Mich. Alkanol amine derivative of iron carbonyl and composition comprising same. 2,269,825; Jan. 13.
McPherson, William K., Ames, Iowa, and L. M. Christensen, Moscow, Idaho, assignors to The Dow Chemical Company, Midland, Mich. Alkanol amine derivatives of iron carbonyl. 2,269,826; Jan. 13.
Mead, Theodore E., Wilmette, Ill. Mechanism for holding work on drill presses. 2,269,727; Jan. 13.
Meador, Russell A., Washington, D. C. Electric signal and illuminated sign. 2,270,134; Jan. 13.
Meehanite Metal Corporation. (See Reece, Herbert A., assignor.)
Meissner, Alexander, and E. Burckhardt, Berlin, Germany, assignors to General Electric Company, Schenectady, N. Y. Sound device with piezoelectric double plates. 2,270,167; Jan. 13.
Mendoza, Manuel, Sunnyvale, assignor to Schuckl & Co., Inc., San Francisco, Calif. Inspection trap for fruit. 2,269,827; Jan. 13.
Merle, George, Brooklyn, N. Y. Toy. 2,269,633; Jan. 13.
Merrill, Wesley P., assignor to The Oilgear Company, Milwaukee, Wis. Metal working press. 2,269,778; Jan. 13.
Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Wedge heel shoe. 2,269,542; Jan. 13.
Merrow, Al H., Denver, Colo. Curling iron heater. 2,269,913; Jan. 13.
Merry, Fred D., Toledo, assignor to The American Warming and Ventilating Company, Toledo, Ohio. Fire damper. 2,270,073; Jan. 13.
Messer & Co., G. m. b. H. (See Bechtle, R., and Habermehl, assignors.)
Metallytic Corporation. (See Salmi, Vaino A., assignor.)
Metcalfe, Virgil E. (See Thompson, J. W., and Metcalfe.)
Michaëlis, Karl, The Hague, Netherlands, assignor to T. Y. Michaelis, New York, N. Y. Molding sheets of wood. 2,269,634; Jan. 13.
Michaelis, Thomas Y. (See Michaëlis, Karl, assignor.)
Michel, George E. and R. G., and F. B. Emmons, Marion, Iowa. Field forage cutter. 2,269,828; Jan. 13.
Michel, Ralph G. (See Michel, George E. and R. G., and Emmons.)
Midland Steel Products Company, The. (See Fenton, Ray M., assignor.)
Mieg, Walter, Opladen, and F. Wieners, Cologne-Stammheim, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone series. 2,270,168; Jan. 13.
Miehle Printing Press & Manufacturing Company. (See Pearsall, Maurice E., assignor.)
Mikeska, Louis A., Westfield, and E. Arundale, Union, N. J., assignors to Standard Oil Development Company. Production of isomeric trioxymethylene. 2,270,135; Jan. 13.
Millenaar, Richard, Holland, Ill., assignor to The Richardson Company, Lockland, Ohio. Relief and signal apparatus for storage batteries. 2,269,679; Jan. 13.
Miller, Ellis. (See Deutsch, Siegfried, assignor.)
Miller, Ellis, Brussels, Belgium. Furnace for heat treatment under high pressure. 2,269,595; Jan. 13.
Miller, Gideon B. (See Maltby, S. T., and Miller.)
Miller, Herbert E., Cincinnati, Ohio. Apparatus for drying hair. 2,270,008; Jan. 13.
Miller, Herbert G. (See Pentzer, D. J., Miller, and Moon.)
Miller, Herbert W., Burbank, Calif. Pocketknife. 2,270,074; Jan. 13.
Miller-Jonas Corporation. (See Miller, Louis P., assignor.)
Miller, Louis P., Brooklyn, assignor to Miller-Jonas Corporation, Walden, N. Y. Making pile fabrics. 2,269,855; Jan. 13.
Miller, William. (See Biby, E. E., and Brown, assignors.)
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,270,075; Jan. 13.
Miller, William J., Swissvale, Pa. Apparatus for manufacturing pottery. 2,270,076; Jan. 13.
Mills, Maurice A., Dearborn, assignor to F. M. Ward, Jr., Oxford, Mich. Vehicle construction. 2,269,728; Jan. 13.
Milwaukee Gas Specialty Company. (See Wetzel, Theodore A., assignor.)
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minnich Machine Works. (See Minnich, Simon B., assignor.)
Minnich, Simon B., assignor to Minnich Machine Works, Landisville, Pa. Baling press. 2,269,596; Jan. 13.
Mission Manufacturing Company. (See Sharp, Dudley C., assignor.)
Mission Manufacturing Company. (See Volpin, Alexander S., assignor.)
Mitchell, Douglas T., Scarsdale, N. Y. Light socket. 2,269,951; Jan. 13.
Mitford, John B., St. Helens, England, assignor to The American Securit Company, Wilmington, Del. Tempered glass article. 2,269,597; Jan. 13.
Moberly, William A., Chicago, Ill. Draining railroad ties. 2,269,543; Jan. 13.
Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Box making machine. 2,269,544; Jan. 13.
Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Box making machine. 2,269,545; Jan. 13.
Moffats Limited. (See Smith, Elmore S., assignor.)
Molins, Desmond W., assignor to Molins Machine Company, Limited, Deptford, London, England. Tobacco machine for forming continuous tobacco rods or fillers. 2,269,598; Jan. 13.
Molins, Desmond W., assignor to Molins Machine Company, Limited, Deptford, London, England. Tobacco feeding apparatus. 2,270,136; Jan. 13.
Molins Machine Company Limited. (See Molins, Desmond W., assignor.)
Monolith Portland Cement Company. (See Treshow, Michael, assignor.)
Moodey, Hannah C., Plainfield, N. J., assignor to Radio Corporation of America. Telautograph system. 2,269,599; Jan. 13.
Moon, Lee F. (See Pentzer, D. J., Miller, and Moon.)
Moravek, Rudolf A. (See Fourness, C. A., and Moravek.)
Morgan, Thomas J., Chicago, Ill., assignor to Ampro Corporation. Film-controlled circuit switch for motion picture projectors. 2,269,952; Jan. 13.
Morin, Louis H. (See Marinsky, Davis, assignor.)
Morin, Louis H. (See Marinsky, D., and Morin.)
Morin, Louis H., assignor, by mesne assignments, of one-half to said L. H. Morin, and one-half to D. Marinsky, Bronx, N. Y. Die casting machine. 2,269,881; Jan. 13.
Morin, Louis H., and D. Marinsky, Bronx, N. Y. Casting thermoplastic elements. 2,269,880; Jan. 13.
Morin, Louis H., and D. Marinsky, Bronx, N. Y. Die casting thermoplastics. 2,269,953; Jan. 13.
Morkoski, James, Canton, Ill., assignor to International Harvester Company. Spring release hitch. 2,269,981; Jan. 13.
Morris, Harold L., Berkeley, Calif., assignor to American Car and Foundry Motors Company, New York, N. Y. Lubricating arrangement for clutch pilot bearings. 2,270,077; Jan. 13.
Morten, Louis G., Teaneck, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,269,779; Jan. 13.
Mosehauer, Edward, Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Deicer fluid distributor. 2,269,635; Jan. 13.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Agricultural implement. 2,269,982; Jan. 13.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Power lift. 2,269,983; Jan. 13.
Mott, Chester, Evanston, assignor to National Cylinder Gas Company, Chicago, Ill. Torch cutting machine. 2,269,636; Jan. 13.
Mowlds, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Treating pigments. 2,269,470; Jan. 13.

Mueller, Ervin H., Grosse Pointe, Mich. Valve. 2,270,078; Jan. 13.
Muendel, George F., Rowayton, Conn. Collapsible theft-proof bottle display device. 2,269,471; Jan. 13.
Mugdan, Martin, Munich, Bavaria, and J. Wimmer, Burghausen, upper Bavaria, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Production of carbon chloride compounds of the formula C_4Cl_8. 2,269,600; Jan. 13.
Müller, Heinz O. (See v. Borries, B., and Müller.)
Muller, J. C., N. V. (See Stelzer, Franz H. B., assignor.)
Muller, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave electron condenser. 2,270,169; Jan. 13.
Munder, Rushworth I., Springfield, Mass. Filter for photoflash lamps. 2,269,984; Jan. 13.
Murray Corporation of America, The. (See Parker, Otis, assignor.)
Murray Corporation of America, The. (See Widman, Charles H., assignor.)
Muth, Herbert. (See von Baeyer, H. J. R., Roosenstein, and Muth.)
Myers, Harold L., Morristown, N. J. Display device for articles of merchandise. 2,270,079; Jan. 13.
Myerson, Martin, Brookline, Mass. Card for artificial teeth. 2,269,780; Jan. 13.
Naab, August. (See Naab, John C., assignor.)
Naab, John C., Pendleton, Oreg., assignor of one-half to A. Naab, Indianapolis, Ind. Steering control system for manually operated four wheel vehicles. 2,269,910; Jan. 13.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Crosshead. 2,269,680; Jan. 13.
Nash, Edwin M. (See Jones, J. A., and Nash.)
Näsholm, Alfred. (See Olsson, J., and Näsholm.)
Näsholm, Alfred, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Reversible internal combustion engine. 2,269,547; Jan. 13.
Nathanson, Matthew A., Brookline, Mass. Foundation garment. 2,269,681; Jan. 13.
National Cylinder Gas Company. (See Mott, Chester, assignor.)
National Foam System, Inc. (See Urquhart, George G., assignor.)
National Gypsum Company. (See Manofsky, John J., assignor.)
National Lock Co. (See North, Edwin W., assignor.)
Nawiasky, Paul, Summit, and E. Wolthuis, Cranford, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing tetrabromoindigo. 2,270,170; Jan. 13.
Neal, Arthur M., Wilmington, Del., and B. M. Sturgis, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 2,269,472; Jan. 13.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Adjustable V-belt pulley. 2,269,546; Jan. 13.
Nelsen, Marvin G., and T. Obszarny, assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Direct current impulse operated selector switch. 2,269,856; Jan. 13.
Nelson, Eric K. N. (See Swanson, C. G., and Nelson.)
Nemes, Aurel. (See Kravits, Arthur, assignor.)
Nest, Richard E. (See Senner, A. H., and Nest.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nichols Engineering & Research Corporation. (See Connolly, George E., assignor.)
Nielsen, Iver B., assignor to The Aro Equipment Corporation, Bryan, Ohio. Dispenser pump. 2,269,857; Jan. 13.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can line control mechanism. 2,269,473; Jan. 13.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can runway. 2,269,474; Jan. 13.
Norfolk Paper Co. (See Moeller, Carl A., assignor.)
North American Rayon Corporation. (See Stoeckly, J. J., and Profft, assignors.)
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Folding leg. 2,270,217; Jan. 13.
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Northern Equipment Company. (See Weining, Harry H., assignor.)
Norton Company. (See Flygare, C. G., and Garside, assignors.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Van de Pyl, Edward, assignor.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,269,954; Jan. 13.
Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Driving mechanism for washing machines. 2,270,080; Jan. 13.
O'Brien Cipher Machines Limited. (See O'Brien, Morgan C. M., assignor.)
O'Brien, Morgan C. M., Baldock, assignor to O'Brien Cipher Machines Limited, London, England. Cipher apparatus. 2,270,137; Jan. 13.
Obszarny, Theodore. (See Nelsen, M. G., and Obszarny.)
Obszarny, Theodore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Ratcheting mechanism. 2,269,858; Jan. 13.
Oeckl, Otto, Berlin-Baumschulenweg, assignor to Henschel Flugzeugwerke A. G., Schoenefeld, Kr. Teltow, Germany. Drawing machine for metal sheets. 2,269,549; Jan. 13.
Ohio Citizens Trust Company, The. (See Replogle, Daniel B., assignor.)
Oilgear Company, The. (See Merrill, Wesley P., assignor.)
O'Leary, Charles M., Houston, Tex. Pitman gearing. 2,269,729; Jan. 13.
O'Leary, Charles M., Houston, Tex. Central power. 2,269,730; Jan. 13.
Oliver, Arthur L. (See Ramsay, J. F., and Oliver.)
Olsen, Eugene F., Adrian, Mich., assignor of eleven-twentieths to H. F. Andrus and nine-twentieths to L. Gelbman, Yonkers, N. Y. Building unit machine. 2,269,955; Jan. 13.
Olsen, Fredrich, Alton, assignor to The Cellulose Research Corporation, East Alton, Ill. Manufacture of wood pulp. 2,269,985; Jan. 13.
Olsson, Johannes, and A. Näsholm, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden. Control mechanism for reversible internal combustion engines. 2,269,548; Jan. 13.
Orenstein, Samuel, assignor to Fre-Park Timer Incorporated, Providence, R. I. Free parking meter. 2,269,731; Jan. 13.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Coal mining apparatus. 2,269,781; Jan. 13.
Ostling, Karl W. S. (See Vanderpoel, A. G. H., Ostling, and Firth.)
Ottaviani, Nicola, Canicatti, Agrigento, Italy. Shelling almonds and similar fruits. 2,270,171; Jan. 13.
Owen, Charles P., Cleveland, Ohio. Thermometer mercury reducer. 2,269,859; Jan. 13.
Owens-Corning Fiberglas Corporation. (See Kleist, Dale, assignor.)
Owens-Corning Fiberglas Corporation. (See Vilensky, Michel B., assignor.)
Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)
Pacific Electric Manufacturing Corporation. (See Thompson, Joseph S., assignor.)
Packwood, George H., Jr., St. Louis, Mo. Dispenser. 2,269,782; Jan. 13.
Palmer, B. J. (See Schensted, Roy E., assignor.)
Palmer Company, The. (See Bruns, Anthony C., assignor.)
Palmer, George V., Los Angeles, Calif. Steel building construction. 2,270,218; Jan. 13.
Palmer, Willard E., East Liverpool, Ohio, assignor to The Taylor, Smith & Taylor Company. Decorated ceramic ware and making the same. 2,270,081; Jan. 13.
Panke, Hans. (See Hüniger, M., and Panke.)
Paper Patents Company. (See Fourness, C. A., and Moravek, assignors.)
Paper Patents Company. (See Strieby, J. Glenn, assignor.)
Parker, Daniel J., Flagstaff, Ariz. Metal shearing device. 2,269,914; Jan. 13.
Parker, Otis, assignor to The Murray Corporation of America, Detroit, Mich. Spring cushion construction. 2,269,732; Jan. 13.
Parrish, Carl C., assignor to Porter Steel Specialties, Shelbyville, Ind. Dustpan manipulator for carpet sweepers. 2,270,196; Jan. 13.
Parrish, Carl C., assignor to Porter Steel Specialties, Shelbyville, Ind. Carpet sweeper. 2,270,197; Jan. 13.
Pattison, Hubert A., White Plains, N. Y. Fluid dispensing apparatus. 2,269,882; Jan. 13.
Pätzold, Otto. (See Baesgen, W., and Pätzold.)
Paulson, George M., New York, N. Y. Spark plug. 2,269,682; Jan. 13.
Paulson, George M., New York, N. Y. Spark plug. 2,269,683; Jan. 13.
Pearsall, Maurice Edgar, Venice, Calif., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Tripping mechanism. 2,270,082; Jan. 13.
Pearson, Edward P., assignor to American Potash & Chemical Corporation, Trona, Calif. Process and manufacture of metallic bromides. 2,269,733; Jan. 13.
Pease, George D., Cedar Rapids, Iowa. Alarm means. 2,270,226; Jan. 13.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pentzer, Donald J., H. G. Miller, and L. F. Moon, The Dalles, Oreg. Apparatus for dehydrating sirup or the like. 2,270,138; Jan. 13.
People of the United States of America, Dedicated to the free use of the. (See Senner, A. H., and Nest.)
Perfex Corporation. (See Deubel, Justin A., assignor.)
Perfex Corporation. (See Lindemann, Herbert E., assignor.)
Perkins Machine and Gear Company. (See Oakley, John, assignor.)
Perlow, Benjamin. (See Feldman, M. G., and Perlow.)
Perrin, René, assignor to Societe d'Electrochimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Manufacture of articles resistant to gaseous corrosion. 2,269,601; Jan. 13.

Persson, Eric S., Malmo, Sweden. Screen for windows. 2,270,202; Jan. 13.

Persson, Eric S., Malmo, Sweden. Closure fastening means. 2,270,219; Jan. 13.

Peterson, Olaf, assignor to Haddorf Piano Company, Rockford, Ill. Piano. 2,269,783; Jan. 13.

Petry, Raymond E. (See Featherston, E. D., and Petry.)

Petway, Alphonso P., Waco, Tex. Dispenser. 2,270,139; Jan. 13.

Phillips Petroleum Company. (See Wallace, G. M., and Magerkurth, assignor.)

Photoplating Company, The. (See Huber, William G., assignor.)

Pierce, John B., Foundation. (See Morten, Louis G., assignor.)

Pierce, Robert M., et al. (See Hutton, William G., assignor.)

Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Universal joint. 2,270,140; Jan. 13.

Pitt, Norman Percy, Eastview, Ontario, A. C. Halferdahl, Rockcliffe, Ontario, and F. E. Lathe, Ottawa, Ontario, assignors, by mesne assignments, to Canadian Refractories Limited, Montreal, Quebec, Canada. Refractory. 2,270,220; Jan. 13.

Platt & Munk Co. Inc., The. (See Joffe, Jessica F., assignor.)

Pneumatic Scale Corporation. (See Burton, George F., assignor.)

Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)

Poché, John M. (See Schayot, E. A., and Poché.)

Polkosnik, Bernard L., Bridgeport, Conn., assignor to A. Rosenberg, New York, N. Y. Drill cabinet. 2,269,637; Jan. 13.

Polyderoff, Wladimir J., Wilmette, Ill. High frequency coupling device. 2,269,784; Jan. 13.

Pomeroy, John, Melbourne, Victoria, Australia. Projectile. 2,269,475; Jan. 13.

Pons, Onesime H., Valdese, N. C. Yarn tensioning device. 2,269,550; Jan. 13.

Porter, Hester L., Missoula, Mont. Folder. 2,269,915; Jan. 13.

Porter Steel Specialties. (See Parrish, Carl C., assignor.)

Potter, David M., Drexel Hill, Pa., assignor to Breeze Corporations, Inc., Newark, N. J. Flowmeter. 2,270,141; Jan. 13.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,269,684; Jan. 13.

Porthoff, William C., Cuyahoga Falls, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio. Diaphragm. 2,269,685; Jan. 13.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Home record suppressor. 2,269,986; Jan. 13.

Pompitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Self-locking screw. 2,269,476; Jan. 13.

Powell, Ellis G., Michigan City, Ind., assignor to C. A. Dunham Company, Marshalltown, Iowa. Wall radiator enclosure. 2,269,551; Jan. 13.

Powell, Lyman S., Chicago, Ill. Differential. 2,269,734; Jan. 13.

Price, Edward T., assignor to Cadillac Malleable Iron Company, Cadillac, Mich. Motor vehicle. 2,270,022; Jan. 13.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft accessory drive. 2,269,916; Jan. 13.

Prickett, William C., and Q. W. Stuart, Birmingham, Ala. Pulsating jig. 2,269,686; Jan. 13.

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)

Profft, Elmar. (See Stoeckly, J. J., and Profft.)

Puc, Vojtech, Prague, Czechoslovakia. Sliding member of sliding clasp fasteners. 2,270,221; Jan. 13.

Pullman-Standard Car Manufacturing Company. (See Bernhardt, W. M., and Hartwig, assignors.)

Radio Corporation of America. (See Brailsford, Joseph D., assignor.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Gallup, John L., assignor.)

Radio Corporation of America. (See Hiensch, J. N., and Lips, assignors.)

Radio Corporation of America. (See Iams, Harley A., assignor.)

Radio Corporation of America. (See Laport, Edmund A., assignor.)

Radio Corporation of America. (See Mathes, Richard E., assignor.)

Radio Corporation of America. (See Moodey, Hannah C., assignor.)

Radio Corporation of America. (See Ramsay, J. F., and Oliver, assignors.)

Radio Corporation of America. (See Schade, Otto H., assignor.)

Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)

Radio Corporation of America. (See Smith, Newell R., assignor.)

Radio Corporation of America. (See Spencer, James A., assignor.)

Radio Corporation of America. (See Turner, Alfred H., assignor.)

Radio Corporation of America. (See van Lammeren, J. A., van Dam, Vivie, and Knös, assignors.

Radio Patents Corporation. (See Rath, Karl, assignor.)

Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thimble seal for vacuum tubes. 2,269,860; Jan. 13.

Ramsay, John F., Chelmsford, and A. L. Oliver, Wimbledon Park, London, England, assignors to Radio Corporation of America. Superheterodyne receiver. 2,270,023; Jan. 13.

Randall, Edward P. (See Chandler, Ruth W., assignor.)

Raney, Clemma R. (See Lindgren, A. C., and Raney.)

Raney, Clemma R., Riverside, and F. E. Hand, Canton, Ill., assignors to International Harvester Company. Agricultural implement. 2,269,987; Jan. 13.

Rankin, C. E., et al. (See Harris, Charles F., assignor.)

Rankin, Edward G., Dorrance, Kan. Shear construction. 2,270,010; Jan. 13.

Rapp, Theodore, Los Angeles, Calif. Automatic feed control for weighing and packaging machines. 2,270,083; Jan. 13.

Rath, Joseph J., Chicago, Ill. Lathe attachment. 2,270,009; Jan. 13.

Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Frequency discriminator. 2,269,687; Jan. 13.

Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Electronic modulator. 2,269,688; Jan. 13.

Ratkowski, Thomas A., and E. A. Lerner, Chicago Heights, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y. Segmental crushing roll. 2,269,552; Jan. 13.

Raybestos-Manhattan, Inc. (See Lange, Joseph A., assignor.)

Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)

Rea, William H., and A. W. Weeks, Glenburnie, Md., assignors of one-half to said Rea and one-half to J. H. Easton, Baltimore, Md. Fluid brake. 2,270,222; Jan. 13.

Redler Conveyor Company. (See De Los Sinden, Alfred, assignor.)

Reece, Herbert A., Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation. Apparatus and method for modification of flow of air, gases, and the like. 2,269,477; Jan. 13.

Reece, Herbert A., Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation. Apparatus and method for variable control of air supply and the like. 2,269,478; Jan. 13.

Reed, Raymond E., Chicago, Ill., assignor to The Kendall Company, Walpole, Mass. Making fabrics. 2,269,479; Jan. 13.

Rehm, William C., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Combined cooking unit. 2,269,480; Jan. 13.

Reichel, Wladimir A., Bellerose, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Means for reproducing motion. 2,269,602; Jan. 13.

Reichold, Ludwig, Winsted, Conn. Electric cooking vessel and stand. 2,269,689; Jan. 13.

Rein, Arthur. (See Stoecker, J., and Rein.)

Reindorp, John H., Ilford, assignor to Ilford Limited, Ilford, Essex, England. Production of colored photographic images. 2,269,481; Jan. 13.

Remsen, Irving B., Trenton, N. J., assignor to Magnetic Pigment Company, New York, N. Y. Truck. 2,269,735; Jan. 13.

Renfrew, Archibald, and W. E. F. Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Emulsions of the interpolymerization product of 2-ethyl hexyl methacrylate and methylmethacrylate and textile fabrics treated therewith. 2,270,024; Jan. 13.

Renner, Frank, Chicago, Ill. Filtering unit for vacuum coffee utensils. 2,269,956; Jan. 13.

Rennie, Robert F., Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignition starter. 2,269,861; Jan. 13.

Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio. Suction cleaner. 2,269,482; Jan. 13.

Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio. Dust flow indicator for suction cleaning devices. 2,269,483; Jan. 13.

Repplinger, Nicklos, Baker, Mont. Loading attachment for road scrapers. 2,269,917; Jan. 13.

Research Engineering Company. (See Lewin, Felix, assignor.)

Reynolds, H. Lee. (See Wommer, Frederic, assignor.)

Richardson Company, The. (See Milienaar, Richard, assignor.)

Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Electric circuit breaker. 2,269,690; Jan. 13.

Rigerman, Harry F., Kenmore, N. Y. Container. 2,269,785; Jan. 13.

Rix, Edward G., assignor to American Perforator Company, Chicago, Ill. Impression machine. 2,269,691; Jan. 13.

Robinson, George D. and T. B., Edgewood, R. I. Electrically controlled figure or doll. 2,270,142; Jan. 13.

Robinson, Theodore B. (See Robinson, George D. and T. B.)

Roblin, Richard O., Jr. (See English, J. P., and Roblin.)

Rockwood, George H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring device. 2,269,603; Jan. 13.

Roessler, George, East St. Louis, Ill. Glass machine and making glass. 2,269,553; Jan. 13.

Rogers, Clifford R., Oak Park, and W. O. Bechman and R. A. Holmberg, Chicago, Ill., assignors to International Harvester Company. Vehicle. 2,269,988; Jan. 13.

Rogers, Thomas P., assignor to L. Finch, Ltd., Los Angeles, Calif. Dispensing device. 2,269,736; Jan. 13.

Rogers, Thomas P., assignor to L. Finch, Ltd., Los Angeles, Calif. Measuring device. 2,269,737; Jan. 13.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,269,554; Jan. 13.

Rolscreen Company. (See Kuyper, Peter H., assignor.)

Ronay, Bela, Annapolis, Md. Automatic arc welding machine. 2,269,484; Jan. 13.

Rooke, Robert M., Jersey City, N. J., and F. C. Saacke, Astoria, Long Island, assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding rod. 2,269,555; Jan. 13.

Roosenstein, Hans O. (See von Baeyer, H. J. R., Roosenstein, and Muth.)

Root, Charles S., Bridgeport, Conn., assignor to General Electric Company. Electron discharge apparatus. 2,269,989; Jan. 13.

Rose, Edwin L., Woodbury, Conn., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,269,786; Jan. 13.

Rose, Harry A., Larchmont, N. Y., assignor of one-half to C. Hill, Newport, R. I. Reproduction and recording of races. 2,269,862; Jan. 13.

Rosene, Victor E., Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm signaling system. 2,269,692; Jan. 13.

Rosenberg, Abraham. (See Polkosnik, Bernard L., assignor.)

Royal Electric Manufacturing Company. (See Thomas, Cyril H., assignor.)

Ruberoid Co., The. (See Christopher, Arthur B., assignor.)

Ruegger, André, Levallois-Perret, France. Vehicle seat. 2,270,172; Jan. 13.

Ruhoff, John R., Normandy, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Self-indicating soda lime. 2,270,025; Jan. 13.

Russell, Robert P., Millburn, N. J., assignor to Standard Oil Development Company. Catalytic treatment in stainless steel apparatus. 2,270,026; Jan. 13.

Rybicky, Chester J., Cleveland, Ohio. Supporting means for drapes. 2,269,738; Jan. 13.

S. M. A. Corporation. (See Frohring, W. O., Szabo, and Landy, assignors.)

Saacke, Frederick C. (See Rooke, R. M., and Saacke.)

Safety Car Heating & Lighting Company, The. (See Chilton, Alfred H., assignor.)

Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Polyvinyl halide composition. 2,269,990; Jan. 13.

St. Clair, John A., assignor to E. C. Atkins and Company, Indianapolis, Ind. Method for grinding saws. 2,269,556; Jan. 13.

Saimi, Vaino A., Culver City, assignor to Metallytic Corporation, Los Angeles, Calif. Conversion of asphaltic hydrocarbons. 2,269,485; Jan. 13.

Sampliner, S. Eldridge. (See Brewer, Robert B., assignor.)

Santoro, Paul A., Bronx, N. Y. Self-sealing gasket. 2,269,486; Jan. 13.

Saunders, Frank S., Dibden Purlieu, Southampton, England. Work holder for airscrews. 2,270,203; Jan. 13.

Savage, W. J., Company. (See Fulton, Weston M., assignor.)

Saxe, Walter E., Alhambra, Calif. Counterbalancing apparatus. 2,269,787; Jan. 13.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Wide range amplifier circuits. 2,269,693; Jan. 13.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Uniform response wide band amplifier. 2,269,694; Jan. 13.

Schaefer, Henry A., Hale Township, Tremfrealean County, Wis. Beehive comb or frame spacer. 2,269,829; Jan. 13.

Schaich, August, Dresden, Germany. Separating mill. 2,270,143; Jan. 13.

Scharf, Paul B., assignor to Dresser Manufacturing Company, Bradford, Pa. Insulating coupling. 2,269,695; Jan. 13.

Schayot, Emile A., and J. M. Poché, assignors of one-half to G. Sladovich, Jr., and D. Gleason, both of New Orleans, La. Can closure. 2,269,830; Jan. 13.

Scheinberg, Harry. (See Goodman, Benjamin B., assignor.)

Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. High frequency transmission line. 2,269,991; Jan. 13.

Schenk, Carl R., Jersey City, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Transmission unit. 2,269,788; Jan. 13.

Schenley Distillers Corporation. (See Carter, Sidney T., assignor.)

Schensted, Roy E., Clarion, assignor of one-half to B. J. Palmer, Scott County, Iowa. Projector for motion pictures in color and in three dimensions. 2,270,198; Jan. 13.

Schering Corporation. (See Schwenk, Erwin, assignor.)

Scherpe, Carl, and F. Köhler, Chemnitz, Germany. Device for turning welts. 2,270,144; Jan. 13.

Scherrer, Harry A., San Diego, Calif. Lawn sprinkler body. 2,269,919; Jan. 13.

Scheurer, Paul P., Wichita Falls, Tex., assignor to F. A. F. Heater Corporation, Dallas, Tex. Heater. 2,269,487; Jan. 13.

Schenermeyer, Emil, Upper Darby, Pa., assignor to General Electric Company. Electric switch. 2,269,992; Jan. 13.

Schilling, Charles E., Willcox, Ariz. Wrench. 2,270,011; Jan. 13.

Schlack, Paul, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing oxines. 2,270,204; Jan. 13.

Schlack, Paul, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Felted product. 2,270,223; Jan. 13.

Schmelter, Gordon P. (See Collings, W. R., Schmelter, and Dulmage.)

Schmidt, Benjamin F., Los Angeles, Calif. Fluid piston pump. 2,269,789; Jan. 13.

Schmidt, Samuel S., York, assignor to Grey Iron Casting Company, Mount Joy, Pa. Display device. 2,270,084; Jan. 13.

Schmitt, Arthur J., Chicago, Ill. Socket. 2,269,993; Jan. 13.

Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Hearse drape. 2,269,739; Jan. 13.

Schreiber, Richard S. (See Hanford, W. E., and Schreiber.)

Schuckl & Co. (See Mendoza, Manuel, assignor.)

Schulz, Herbert, Berlin-Tempelhof, Germany. Centrifuge for separating solids from liquids. 2,270,173; Jan. 13.

Schwager, August C., Millbrae, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit breaker operating mechanism. 2,269,604; Jan. 13.

Schwartz, Benjamin, Brooklyn, N. Y. Producing ornamental multicolored raised design. 2,269,740; Jan. 13.

Schwartz, Edward H., Dayton, Ohio. Automatic safety shutter. 2,269,488; Jan. 13

Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)

Schwenk, Erwin, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Contrast agent for X-ray diagnoses. 2,269,489; Jan. 13.

Schwinzer, Reinhold, Harrison, N. J. Chime signal. 2,270,085; Jan. 13.

Scoville, Ray R., Los Angeles, Calif., assignor to Electrical Research Products, Inc., New York, N. Y. Recording system. 2,269,638; Jan. 13.

Scullin Steel Co. (See Dreibuss, H., C., and Spenner, assignors.)

Seaver, Blake A., assignor to Blair Manufacturing Company, Springfield, Mass. Lawn mower. 2,269,920; Jan. 13.

Sebok, Frank. (See Hallerberg, T. W., and Sebok.)

Secretary of Agriculture of the United States of America. (See Bowen, C. V., and Dearborn, assignors.)

Secretary of Agriculture of the United States of America, and to his successors in office. (See Carter, Roscoe H., assignor.)

Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,269,741; Jan. 13.

Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,270,086; Jan. 13.

Sellstrom Manufacturing Company. (See Anderson, Marshall N., assignor.)

Senner, Arthur H., and R. E. Nest, Baltimore, Md., dedicated to the free use of the people of the United States of America. Orchard heater. 2,269,831; Jan. 13.

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Sexton, August H., Miami, assignor to Stonex Industries, Inc., Miami Beach, Fla. Apparatus for removing tile from molds. 2,269,557; Jan. 13.

Sharp, Dudley C., assignor to Mission Manufacturing Company, Houston, Tex. Lubricated valve. 2,269,887; Jan. 13.

Sharp, Dudley C., Houston, Tex., assignor to Mission Manufacturing Company. Spool type tubing spider. 2,269,888; Jan. 13.

Shaulson, Joseph, Providence, R. I. Hose fastener and the like. 2,269,696; Jan. 13.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Surface switch. 2,269,863; Jan. 13.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Safety control. 2,269,864; Jan. 13.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Solenoid valve. 2,269,865; Jan. 13.

Sheehan, Gilbert W. (See Stowe, Lester V., assignor.)

Shell Development Company. (See Groll, H. P. A., and Burgin, assignors.)

Shell Development Company. (See Tadema, Harco J., assignor.)

Shellmar Products Company. (See Gurwick, Irving, assignor.)

Shepard, Francis H., Jr., Merchantville, N. J., assignor to Radio Corporation of America. Distortion reducing circuits. 2,270,012; Jan. 13.

Sherrill, Richard M., Evanston, Ill., assignor to Central Scientific Co. Clamp. 2,269,790; Jan. 13.

Shoemaker, Malcolm G., Indianapolis, Ind., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,270,087; Jan. 13.

Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. Esters of p-aminobenzoic acid. 2,269,791; Jan. 13.

Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. 1-methyl butyl-p-aminobenzoate. 2,269,792; Jan. 13.

Siegel, Lazar. (See Adler, B., and Siegel.)

Siekmann, Harold J. (See Groene, W. F., and Siekmann.)

Sill, George A., Elgin, Ill. Armrest for invalids' chairs. 2,269,918; Jan. 13.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Surface grinding machine. 2,269,697; Jan. 13.

Simon, Alfred, Jackson Heights, N. Y., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Fluoroscopic apparatus. 2,269,866; Jan. 13.

Simon, Rose, New York, N. Y. Garment. 2,269,883; Jan. 13.

Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,269,793; Jan. 13.

Singer Manufacturing Company, The. (See Schenk, Carl R., assignor.)

Sirmay, Julius, assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Yarn beam mounting. 2,269,867; Jan. 13.

Sladovich, George, Jr., et al. (See Schayot, E. A., and Poché, assignors.)

Slick, Edwin E., Pittsburgh, Pa. Building construction. 2,269,490; Jan. 13.

Smith, A. O., Corporation. (See Graham, William T., assignor.)

Smith, A. O., Corporation. (See Smith, George M., assignor.)

Smith, Charles A., Huntington Beach, Calif. Energized line tool. 2,269,921; Jan. 13.

Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Temperature control. 2,269,959; Jan. 13.

Smith, George M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Covered arc welding electrode and making the same. 2,270,013; Jan. 13.

Smith, Marigold, Houston, Tex. Swim cap. 2,269,868; Jan. 13.

Smith, Newell R., Bloomfield, N. J., assignor to Radio Corporation of America. Socket. 2,269,605; Jan. 13.

Smith, Walter B., Incline, Calif. Dice rolling device. 2,269,742; Jan. 13.

Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,270,088; Jan. 13.

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Snackstands, Inc. (See Fergusson, Alan R., assignor.)

Snap-On Tools Corporation. (See Walraven, George M., assignor.)

Snyder, Paul, Baltimore, Md. Sport sweater. 2,269,491; Jan. 13.

Societe d'Electrochimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. (See Perrin, René, assignor.)

Soper, Gilbert V., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat construction. 2,269,832; Jan. 13.

Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Making steering wheels. 2,269,492; Jan. 13.

Spangenberg, Alfred L., Brentwood Heights, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cockpit enclosure. 2,270,224; Jan. 13.

Sparks, Leslie C., Galva, Ill. Register gauge. 2,270,145; Jan. 13.

Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Thrust bearing assembly. 2,269,606; Jan. 13.

Specht, Harry G., Montclair, assignor to Eastwood-Neally Corporation, Belleville, N. J. Woven wire belt for papermaking machines. 2,269,869; Jan. 13.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraph printing system. 2,269,559; Jan. 13.

Spenner, Fred H. (See Dreibuss, H. C., and Spenner.)

Sperry, Leonard B., Western Springs, Ill., assignor to International Harvester Company. Cooler construction. 2,269,994; Jan. 13.

Sperry-Sun Well Surveying Company. (See Hering, Donald, assignor.)

Standard Oil Company. (See Adams, C. E., Brown, and Bransky, assignors.)

Standard Oil Company. (See Arveson, Maurice H., assignor.)

Standard Oil Company of California. (See Clayton, J. O., and Farrington, assignors.)

Standard Oil Company of California. (See Eldredge, Kenneth R., assignor.)

Standard Oil Development Company. (See Barry, Adelbert, assignor.)

Standard Oil Development Company. (See Blau, Ludwig W., assignor.)

Standard Oil Development Company. (See Fulton, S. C., and Malishev, assignors.)

Standard Oil Development Company. (See Goodwin, H. S., and Winters, assignors.)

Standard Oil Development Company. (See Hattox, Erwin M., assignor.)

Standard Oil Development Company. (See Jones, Minor C. K., assignor.)

Standard Oil Development Company. (See Kotlarz, John S., assignor.)

Standard Oil Development Company. (See Lieber, Eugene, assignor.)

Standard Oil Development Company. (See Mikeska, L. A., and Arundale, assignors.)

Standard Oil Development Company. (See Russell, Robert P., assignor.)

Standard Oil Development Company. (See Williams, Milton, assignor.)

Stangel, Earl C., Manitowoc, Wis. Dental tool. 2,269,698; Jan. 13.

Starline, Inc. (See Ferris, Robert G., assignor.)

Staude, E. G., Manufacturing Company. (See Aktabowski, Stanley, assignor.)

Stechhart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Ventilated lamp house. 2,269,794; Jan. 13.

Steele, Jesse O., Luno, Utah. Well pump. 2,270,146; Jan. 13.

Steffen, Leroy J., Kenilworth, Ill. Convertible couch. 2,269,607; Jan. 13.

Steinmayer, Alwin G., assignor to Line Material Company, South Milwaukee, Wis. Fuse link construction. 2,270,225; Jan. 13.

Stelzer, Franz H. B., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Apparatus for feeding filler tobacco to cigar machines. 2,270,147; Jan. 13.

Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting arrangement for vehicles. 2,269,795; Jan. 13.

Stockel, Hans C. (See Tager, C. I., and Stockel.)

Stocker, William M., Hollis, assignor to Cameron Machine Company, Brooklyn, N. Y. Web shifting mechanism. 2,269,884; Jan. 13.

Stoecker, Hildegard, née Grabemann. (See Stoecker, J., and Rein.)

Stoecker, Julius, and A. Rein, Bochum, Germany; H. Stoecker, née Grabemann, sole heiress of J. Stoecker, deceased, assignors to Askania-Werke A. G. Fuel burner for air heating apparatus. 2,269,699; Jan. 13.

Stoeckly, Johann J., Teltow, and E. Profft, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y. Recovering sulphur from waste liquors containing sulphidic sodium compounds. 2,270,174; Jan. 13.

Stoesser, Sylvia M. (See Dreisbach, R. R., and Stoesser.)

Stone, Raymond A., Chicago, Ill. Mercury 9,12-octadecadienoate and manufacturing. 2,269,743; Jan. 13.

Stone Straw Corporation. (See Maltby, S. T., and Miller, assignors.)

Stonex Industries, Inc. (See Sexton, August H., assignor.)

Stout, Frederick S. (See Daley, Edwin F., assignor.)

Stout, William H., Eugene, Oreg. Pipe coupler. 2,269,560; Jan. 13.

Stout, William H., Eugene, Oreg. Quick coupling for pipes. 2,270,089; Jan. 13.

Stowe, Lester V., Junction City, assignor of fifty per cent to G. W. Sheehan, Daly City, Calif. Low tire pressure indicator. 2,270,148; Jan. 13.

Strasser, Myron S., Albany, N. Y. Package. 2,269,796; Jan. 13.

Strayer, Guy H., Erie, Pa. Portable concrete batching and mixing truck. 2,269,561; Jan. 13.

Streeter-Amet Company. (See Wiley, George G., assignor.)

Strieby, J. Glenn, Appleton, assignor to Paper Patents Company, Neenah, Wis. Preparation of finely divided synthetic minerals. 2,269,608; Jan. 13.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoemaking. 2,269,562; Jan. 13.

Stuart Products Company. (See Cohen, W. B., and Fine, assignors.)

Stuart, Quin W. (See Prickett, W. C., and Stuart.)

Sturgis, Bernard M. (See Neal, A. M., and Sturgis.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sullivan Machinery Company. (See Simmons, Leon E., assignor.)

Sunshine Foods, Inc. (See McKinnis, Ronald B., assignor.)

Svensson, Sven G., Buenos Aires, Argentina. Hat. 2,270,149; Jan. 13.

Swan, Thomas H., Troy, and H. C. Donaldson, Jr., Brunswick, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Fused collar. 2,269,797; Jan. 13.

Swanson, Carl G., and E. K. N. Nelson, New York, N. Y., said Nelson assignor to said Swanson. Telescoping measuring rule. 2,270,227; Jan. 13.

Swartzel, Karl D., Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse regenerator. 2,269,639; Jan. 13.

Sylvania Industrial Corporation. (See Davis, Joseph C., assignor.)

Szabo, Lester J. (See Frohring, W. O., Szabo, and Landy.)

Tadema, Harco J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Organic peroxide. 2,270,175; Jan. 13.

Tager, Charles I., and H. C. Stockel, assignors to American Die & Tool Corporation, Chicago, Ill. Stapling device. 2,269,744; Jan. 13.

Tanner, Martin. (See Bagnall, Edwin, assignor.)

Taylor, Clyde B. (See Allen, F. M., and Taylor.)

Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric switch. 2,270,150; Jan. 13.

Taylor, Russell C., Chicago, Ill. Nursing bottle holder or support. 2,269,609; Jan. 13.

Taylor, Smith & Taylor, Company, The. (See Palmer, Willard E., assignor.)

Taylor, William I., and L. B. Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America. Collection, treatment, and disposal of staple fiber produced by cutting continuous filaments. 2,269,563; Jan. 13.

Taylor, William I., and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Cutting and collecting of staple fiber. 2,269,564; Jan. 13.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Guido, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Appenzeller, Max, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berger, Hermann, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muller, Paul, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Thom, Ritter, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Baeyer, H. J. R., Roosenstein, and Muth.)

Teletype Corporation. (See Potts, Louis M., assignor.)

Ternstedt Manufacturing Company. (See Conlon, James L., assignor.)

Terry, Warren F., West Somerville, Mass., and R. E. Goodenough, Northfield, Vt. Collecting dust. 2,270,151; Jan. 13.

Tessendorf, Draper E. (See Kemphert, W. W., and Tessendorf.)

Themak, Edward, Northport, N. Y. Tube sealing. 2,270,152; Jan. 13.

Thiele, Max. (See Greune, H., Langbein, and Thiele.)

Thom, Ritter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 2,269,640; Jan. 13.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,270,090; Jan. 13.

Thomas, Charles L., and H. S. Bloch, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,270,091; Jan. 13.

Thomas, Cyril H., Flossmoor, assignor to Royal Electric Manufacturing Company, Chicago, Ill. Slide joint. 2,269,493; Jan. 13.

Thomas, William D., Jr. (See Cook, E. W., and Thomas, assignors.)

Thompson-Bremer & Co. (See Thompson, Arthur H., assignor.)

Thompson, John W., and V. E. Metcalfe, Puebla, Mexico. Power limiter. 2,269,922; Jan. 13.

Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Fusible circuit interrupter. 2,269,610; Jan. 13.

Thompson, Joseph S., Los Altos, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Dropout circuit interrupter. 2,269,611; Jan. 13.

Thompson, Millward D., Birmingham, England. Magnetic separator. 2,269,897; Jan. 13.

Thompson, Arthur H., assignor to Thompson-Bremer & Co., Chicago, Ill. Wrench for lock nuts. 2,270,092; Jan. 13.

Thrune, Richard I., assignor to The Dow Chemical Company, Midland, Mich. Graphite article. 2,270,199; Jan. 13.

Thrune, Richard I. (See Cole, E. R., and Thrune.)

Tillman, Richard J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,269,565; Jan. 13.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Heat retarding device and making the same. 2,269,494; Jan. 13.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Tool. 2,270,153; Jan. 13.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Tisnerat, Albert, Corona, and M. Coonen, Long Beach, Calif. Pressing and steaming sadiron. 2,269,957; Jan. 13.

Titanium Alloy Manufacturing Company, The. (See Wainer, Eugene, assignor.)

Toelle, August, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Generator. 2,270,122; Jan. 13.

Topping Brothers. (See Browning, James H., assignor.)

Torrington Manufacturing Co., The. (See Upson, Walter L., assignor.)

Trane, Raymond, Omaha, Nebr. Smoking article. 2,269,995; Jan. 13.

Transit Research Corporation. (See Piron, Emil H., assignor.)

Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Planting means. 2,269,798; Jan. 13.

Treshow, Michael, West Los Angeles, Calif., assignor to Monolith Portland Cement Company. Kiln supporting means. 2,269,700; Jan. 13.

Triplett, Hugh A., Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fitting. 2,269,960; Jan. 13.

Triumph Explosives, Inc. (See Decker, Josef B., assignor.)

Troop, Charles F., Valencia, Pa. Sprinkler system. 2,269,745; Jan. 13.

Trussell, Emory A., Milwaukee, Wis. Binder. 2,269,495; Jan. 13.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Amplifying system. 2,269,612; Jan. 13.

Tweedale, Ralph L. (See Harrington, F. T., and Tweedale.)

Twitchett, Harry J., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of azo pigments. 2,269,885; Jan. 13.

Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,269,701; Jan. 13.

Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)

Union Steel Products Company. (See Bitney, Dewey H., assignor.)

United Aircraft Corporation. (See Mosehauer, Edward, assignor.)

United Autographic Register Co. (See Jensen, Louis, assignor.)

United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)

United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)

United Shoe Machinery Corporation. (See Stritter, Karl A., assignor.)

United Specialties Company. (See Erickson, Charles A., assignor.)

United Specialties Company. (See Hallerberg, Theodore W., assignor.)

United Specialties Company. (See Hallerberg, T. W., and Sebok, assignors.)

United States Gypsum Company. (See Jurgensen, Delbert F., Jr., assignor.)

United States Rubber Company. (See Vamos, Alfred, assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)

Universal Oil Products Company. (See McGrew, Edwin H., assignor.)

Universal Oil Products Company. (See Seguy, Jean D., assignor.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

Universal Oil Products Company. (See Thomas, C. L., and Bloch, assignors.)

Upright, Richard M. (See Bass, S. L., and Upright.)

Upright, Richard M., assignor to The Dow Chemical Company, Midland, Mich. Insolubilization of water-soluble cellulose ethers. 2,270,200; Jan. 13.

Upson, Walter L., Litchfield, assignor to The Torrington Manufacturing Co., Torrington, Conn. Fan hub and shaft assembly. 2,269,799; Jan. 13.

Upton, Clayton, Chester, Ill. Propeller. 2,269,833; Jan. 13.

Urquhart, George G., Cynwyd, assignor to National Foam System, Inc., Philadelphia, Pa. Fire extinguishing composition. 2,269,958; Jan. 13.

V. Borries, Bodo, Berlin-Spandau, and H. O. Müller, Berlin-Pankow, Germany, assignors to "Fides Gesell schaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." Electron optical device. 2,270,112; Jan. 13.

Vamos, Alfred, Brooklyn, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Stretchable leather. 2,269,923; Jan. 13.

Van Daam, Gerrit, Buffalo, N. Y. Heating windows or transparent panes for aircraft, motor cars, or the like. 2,269,566; Jan. 13.

Van Dam, Alexis. (See van Lammeren, J. A., van Dam, Vivie, and Knös.)

Van Hook, Charles F., Warren Point, N. J. Retracting pintle cradle for stranding and/or closing machines. 2,270,093; Jan. 13.

Vanderpoel, Albert G. H., Los Angeles, Calif., K. W. S. Ostling, Cleveland, Ohio, and D. Firth, Flint, Mich., assignors to California Machinery & Supply Co., Ltd., Los Angeles, Calif. Engine deceleration control. 2,269,496; Jan. 13.

Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Abrasive article. 2,270,209; Jan. 13.

Van Lammeren, Johannes, A. A. van Dam, Wilhelmus, L. L. Vivie, and G. B. Knös, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving apparatus. 2,270,176; Jan. 13.

Varian, Russell H. (See Hansen, W. W., and Varian.)

Vawryk, Mike, River Rouge, Mich. Decorating device. 2,270,177; Jan. 13.

Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 2,270,094; Jan. 13.

Vickers Incorporated. (See Harrington, F. T., and Tweedale, assignors.)

Vickers Incorporated. (See Rose, Edwin L., assignor.)

Victor Electric Products, Inc. (See Spear, Walter A., assignor.)

Vigborg, Karl M., assignor to Kooperativa Förbundet, Förening U. P. A., Stockholm, Sweden. Cash register and the like. 2,269,702; Jan. 13.

Vilensky, Michel B., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Nickel-platinum alloy. 2,269,497; Jan. 13.

Villem, Raymond. (See Aubert, R., and Villem.)

Vincze, Alexander L., St. Petersburg, Fla. Lawn shears. 2,269,961; Jan. 13.

Vinzent, Andrew S. (See Jensen, Joseph M., assignor.)

Vivie, W. L. L. (See van Lammeren, J. A., van Dam, Vivie, and Knös.)

Volpin, Alexander S., assignor to Mission Manufacturing Company, Houston, Tex. Lubrication system for plug valves. 2,269,886; Jan. 13.

Voltolini, Richard, New York, N. Y. Nonrefillable bottle top. 2,270,095; Jan. 13.

Von Baeyer, Hans J. R., H. O. Roosenstein, and H. Muth, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Amplitude modulator. 2,269,613; Jan. 13.

Von Soden, Ekart G., Friedrichshafen, Bodensee, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Sliding current collector for slip rings. 2,269,614; Jan. 13.

Wagner, Edward G., Dayton, Ohio. Child's convertible unit. 2,269,834; Jan. 13.

Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Amines of fourth group metal halides. 2,269,498; Jan. 13.

Walker, Charles A., Renwick, Iowa. Fishing line float. 2,269,615; Jan. 13.

Wallace, Glenn M., Bryant, and R. Magerkurth, Oklahoma City, Okla., assignors to Phillips Petroleum Company. Device for spotting internal combustion engines. 2,269,835; Jan. 13.

Walraven, George M., assignor to Snap-On Tools Corporation, Kenosha, Wis. Body jack attachment. 2,270,014; Jan. 13.

Wappler, Frederick C., New York, N. Y. Ophthalmoscope. 2,269,962; Jan. 13.

Wappler, Frederick C., New York, N. Y. Implanting device. 2,269,963; Jan. 13.

Ward, Fred M., Jr. (See Mills, Maurice A., assignor.)

Ward Products Corporation, The. (See Ludwig, Sidney, assignor.)

Warp, Harold, Chicago, Ill. Windowpane for poultry houses. 2,270,096; Jan. 13.

Watson, Laura H., Ross Township, Allegheny County, Pa. Draped curtain. 2,269,964; Jan. 13.

Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dishwashing machine. 2,269,746; Jan. 13.

Weber Costello Company. (See Kolovsky, Leon R., assignor.)

Webster, Daniel M., Churchs Ferry, N. Dak. Electric fence post. 2,269,996; Jan. 13.

Webster, Manning D., et al. (See Hysell, Cecil L., assignor.)

Weeks, Arthur W. (See Rea, W. H., and Weeks.)

Weglein, Louis, Jr., Upper Darby, Pa. Bookmarker. 2,269,567; Jan. 13.

Weining, Harry H., assignor to Northern Equipment Company, Erie, Pa. Boiler system. 2,270,097; Jan. 13.

Weis, Adolf, Berlin, and J. Brackmann, Berlin-Siemensstadt, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Arrangement consisting of a plurality of mechanically coupled rotating voil variometers. 2,270,178; Jan. 13.

Weiss, Adolph, Brooklyn, N. Y., assignor to Champlain Corporation, Garfield, N. J. Printing press and web drying means therefor. 2,269,836; Jan. 13.

Wemp, Ernest E., Detroit, Mich. Duodirectional-unidirectional coupling. 2,269,965; Jan. 13.

Wemp, Ernest E., Detroit, Mich. Vibration dampener. 2,269,966; Jan. 13.

West Bend Aluminum Company. (See Kraemer, Elmore A., assignor.)

Western-Austin Company. (See Wilson, F. D., and Burns, assignors.)

Western Electric Company. (See McGraw, George P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Anderson, Waldemar E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brown, Myron J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Carpenter, W. E., Gustin, and Hays, assignors.)

Westinghouse Electric & Manufacturing Company. (See Dailey, Hampton J., assignor.)

Westinghouse Electric & Manufacturing Company. (See de Margitta, Michael J. N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hummel, Robert T., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ramage, John H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rennie, Robert F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Shoemaker, Malcolm G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Simon, Alfred, assignor.)

Wetzel, Theodore A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Stoker control system. 2,269,800; Jan. 13.

Wharam, John J., Dearborn, and E. F. Hohwart, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Motor vehicle turn indicator switch. 2,269,499; Jan. 13.

Whitcomb, Preston, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Variable speed power transmission unit. 2,270,698; Jan. 13.

Whiteley, Austyn L., and B. G. Higgins, Rugby, England, assignors to General Electric Company. Electric valve control system. 2,269,967; Jan. 13.

Whitman, Preston Y. (See Livingston, W. H., and Hughens.)

Whittier, Benjamin L., Ruxton, Md. Load-bearing fabric. 2,270,154; Jan. 13.

Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Vehicle door. 2,269,747; Jan. 13.

Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Tub construction. 2,269,748; Jan. 13.

Wieners, Franz. (See Mieg, W., and Wieners.)

Wildhack, William A., Arlington, Va. Respiratory apparatus. 2,269,500; Jan. 13.

Wiley, George G., assignor to Streeter-Amet Company, Chicago, Ill. Traffic counting apparatus. 2,269,501; Jan. 13.

Wilkie, Robert J., assignor to Continental Machines, Incorporated, Minneapolis, Minn. File band. 2,269,749; Jan. 13.

Wilkin, Lester A., East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa. Breather reservoir. 2,269,568; Jan. 13.

Willen, Blanche, Basel, Switzerland. Tenter for the treatment of cloth. 2,270,155; Jan. 13.

Williams, Milton, Houston, Tex., assignor to Standard Oil Development Company. Analysis of core samples containing oil and water. 2,269,569; Jan. 13.

Willrich, Louis O., Jr., Houston, Tex. Boat. 2,269,801; Jan. 13.

Wilson, Allan M., Clydebank, Dunbartonshire, Scotland. Soot blower. 2,269,802; Jan. 13.

Wilson, Fred D., and L. S. Burns, assignors to Western-Austin Company, Aurora, Ill. Automotive digging, gathering, carrying, and leveling scraper. 2,269,502; Jan. 13.

Wilson, John C. (See Lewis, H. M., and Wilson.)

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Adjustable-gamma television signal-translating stage. 2,269,570; Jan. 13.

Wimmer, Josef. (See Mugdan, M., and Wimmer.)

Windham, Roy H., Rome, assignor to Burl J. Bandy, Dalton, Ga. Multiple needle tufting machine. 2,269,837; Jan. 13.

Wingfoot Corporation. (See George, E. D., and Brown, assignors.)

Wingfoot Corporation. (See Potthoff, William C., assignor.)

Winkley, Erastus E., Lynn, Mass. Internal combustion engine. 2,269,924; Jan. 13.

Winters, Herman D., Jr. (See Goodwin, H. S., and Winters.)

Wnetrzak, Albert, assignor of two-fifths to A. F. Krasniewski, Cicero, Ill. Vending booth. 2,269,925; Jan. 13.

Wolf, Ellwood W., et al. (See Corbin, Elbert A., Jr., assignor.)

Wolfe, Halley. (See Garity, W. E., and Wolfe.)

Wolthuis, Enno. (See Nawiasky, P., and Wolthuis.)

Wommer, Frederic, Carver, Minn., assignor of one-half to H. L. Reynolds, Pittsburgh, Pa. Sun lamp. 2,270,099; Jan. 13.

Woodruff, Alfred H. (See Taylor, W. I., and Woodruff.)

Worthington Pump and Machinery Corporation. (See Kemphert, W. W., and Tessendorf, assignors.)

Woytych, Raymond M., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,269,641; Jan. 13.

Wright, Denver M., Brentwood, Mo. Combined keycase and document holder. 2,270,015; Jan. 13.

Wright, Theodore M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Tone arm trip mechanism for phonographs. 2,270,179; Jan. 13.

Wroblewski, Woodrow L., Schenectady, N. Y. Sintering furnace. 2,269,838; Jan. 13.

Wurlitzer, The Rudolph Company. (See Wright, Theodore M., assignor.)

Wyse, Harold G., Dayton, Ohio. Tobacco pipe. 2,269,803; Jan. 13.

Young, Leonard A., Detroit, Mich. Forming metallic articles. 2,269,839; Jan. 13.

Yuhase, Peter C., Detroit, Mich. Microimpression tool. 2,269,616; Jan. 13.

Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See von Soden, Ekart G., assignor.)

Zeiss, Carl. (See Drodofsky, M., and Förstner, assignors.)

Zerk, Oscar U., Chicago, Ill. Ice tray. 2,269,642; Jan. 13.

Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,269,503; Jan. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Erection device for gyroscopes, Pneumatic. L. F. Carter. Re. 22,003; Jan. 13.
Hydrolysis of fats and oils. M. H. Ittner. Re. 22,006; Jan. 13.
Indicator, Visual signal carrier. E. I. Anderson. Re. 22,000; Jan. 13.
Manifolding device. H. Stevens. Re. 22,007; Jan. 13.
Mixing machine. F. Beken. Re. 22,002; Jan. 13.
Refrigeration. P. P. Anderson, Jr. Re. 22,001; Jan. 13.
Shredder, Fruit and vegetable. H. J. Crawford. Re. 22,004; Jan. 13.
Starter, Engine. O. F. Gottlieb, I. M. Jones, and E. E. Kohls. Re. 22,005; Jan. 13.

LIST OF DESIGN INVENTIONS

Bench and cabinet or similar article, Combined work. C. W. MacMillan. 131,060; Jan. 13.
Brooch or similar article. A. Katz. 131,105–8; Jan. 13.
Brooch or similar article. G. Verrecchio. 131,110; Jan. 13.
Brooch or similar article. W. Williamson. 131,109; Jan. 13.
Burner, Progressive flame hardening. A. L. Hartley. 131,084–5; Jan. 13.
Bottle. F. W. Britt. 131,081; Jan. 13.
Brush holder and paste dispenser, Combination. C. W. Ward. 131,093; Jan. 13.
Cabinet, Combined radio and phonograph. H. S. Bennett. 131,055; Jan. 13.
Chair. E. Anderson. 131,079–80; Jan. 13.
Check cover, Foldable pocket. F. Humphrey and A. Krieger. 131,097; Jan. 13.
Coffee mill. D. A. Meeker, and F. D. Houser. 131,087; Jan. 13.
Dish, Glass. A. J. Avetta. 131,054; Jan. 13.
Door knob. W. R. Schlage. 131,089–91; Jan. 13.
Door knob. J. A. Tornoe. 131,092; Jan. 13.
Dress. M. Brucato. 131,111; Jan. 13.
Dress. I. Buchholz. 131,112; Jan. 13.
Dress. E. Cutler. 131,114–16; Jan. 13.
Dress. S. De Pasquale. 131,082–3; Jan. 13.
Dress. I. Grobstein. 131,118; Jan. 13.
Dress. L. Hoshafian. 131,120; Jan. 13.
Dress. B. Kessler. 131,121; Jan. 13.
Dress. M. McCoy. 131,222; Jan. 13.
Dress. M. McCoy. 131,124–6; Jan. 13.
Dress. H. Oppenheimer. 131,127; Jan. 13.
Dress. M. J. Shapiro. 131,128–30; Jan. 13.
Dress. N. Shapiro. 131,131–2; Jan. 13.
Dress ensemble. M. McCoy. 131,123; Jan. 13.
Dress ensemble. W. Clion. 131,113; Jan. 13.
Fabric or similar article, Textile. A. Proteau. 131,099; Jan. 13.
Finger ring or similar article. C. C. Calvin. 131,056; Jan. 13.
Handbag. S. R. Goldsmith. 131,117; Jan. 13.
Heater or similar article, Hot application. S. S. Krause. 131,098; Jan. 13.
Housecoat or similar article. P. Salfeety. 131,061; Jan. 13.
Knives, Paring. G. Panlton. 131,088; Jan. 13.
Milling machine or the like. G. W. Tammen. 131,133; Jan. 13.
Pin or similar article, Brooch. W. W. Hobé. 131,086; Jan. 13.
Rack, Roast. G. C. Lynch. 131,059; Jan. 13.
Rack, Tool. C. G. Dowd. 131,057; Jan. 13.
Refrigerator, Domestic. D. E. Dailey. 131,095; Jan. 13.
Refrigerator, Domestic. H. L. van Doren. 131,103; Jan. 13.
Shoe. M. Julianelli. 131,062–8; Jan. 13.
Shoe. J. Sandler. 131,100–1; Jan. 13.
Shoe. J. Sandler. 131,071–2; Jan. 13.
Shoe. H. L. Sutcliffe. 131,078; Jan. 13.
Shoe. R. Vivier. 131,069–70; Jan. 13.
Shoe. R. Vivier. 131,073–7; Jan. 13.
Shoe sole. C. Ferrettie and G. W. Blair. 131,096; Jan. 13.
Shoulderette. L. Whittingham. 131,104; Jan. 13.
Slipper. L. Hirshhorn. 131,119; Jan. 13.
Towel or similar article. D. J. Faraggi. 131,058; Jan. 13.
Vacuum cleaner dust receptacle. V. E. Carlson. 131,094; Jan. 13.
Ventilator, Roof. A. E. Waterman and F. J. Kreutzer. 131,134; Jan. 13.
Watch, Lapel. D. Taylor. 131,102; Jan. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. E. van der Pyl. 2,270,209; Jan. 13.
Adhesive sheet and making. R. G. Drew. 2,269,712; Jan. 13.
Adjustable measuring wheel. A. Barry. 2,269,573; Jan. 13.
Adjusting or tuning means for radio frequency apparatus. G. Andrieu. 2,270,156; Jan. 13.
Aerial mine and projectile. E. Bickel. 2,269,900; Jan. 13.
Agricultural implement. C. W. Mott. 2,269,982; Jan. 13.
Agricultural implement. C. R. Raney and F. E. Hand. 2,269,987; Jan. 13.
Air cleaner. T. W. Hallerberg and F. Sebok. 2,269,663; Jan. 13.
Air conditioning apparatus for brooders, Electric. J. E. Kresky. 2,269,673; Jan. 13.
Aircraft accessory drive. N. C. Price. 2,269,916; Jan. 13.
Airplane mooring. H. E. Ferris. 2,270,042; Jan. 13.
Alarm means. G. D. Pease. 2,270,226; Jan. 13.
Alkanol amine derivative of iron carbonyl and composition composing same. W. K. McPherson and L. M. Christensen. 2,269,825; Jan. 13.
Alkanol amine, derivatives and iron carbonyl. W. K. McPherson and L. M. Christensen. 2,269,826; Jan. 13.
Alkyl compounds of lead, Producing. G. Calingaert and H. A. Beatty. 2,270,108; Jan. 13.
Alloy: *See*—
  Magnesium base alloy. Nickel-platinum alloy.
Almonds and similar fruits, Shelling. N. Ottaviani. 2,270,171; Jan. 13.
Amines of fourth group metal halides. E. Wainer. 2,269,498; Jan. 13.
Amplification. H. Chireix and J. Fagot. 2,269,518; Jan. 13.
Amplifier, Uniform response wide band. O. H. Schade. 2,269,694; Jan. 13.
Amplifier, Video. D. E. Foster. 2,269,654; Jan. 13.
Amplifying system. A. H. Turner. 2,269,612; Jan. 13.
Amplitude modulator. H. J. R. von Baeyer, H. O. Roosenstein, and H. Muth. 2,269,613; Jan. 13.
Anchor, Ground. J. P. Burke. 2,269,646; Jan. 13.
Anode. H. J. Dailey. 2,269,845; Jan. 13.
Anode. R. T. Hummel. 2,269,852; Jan. 13.
Antenna mounting. S. Ludwig. 2,269,947; Jan. 13.
Antenna system, Directive. E. A. Laport. 2,270,130; Jan. 13.
Antistall device. R. G. Berry. 2,269,704; Jan. 13.
Apparatus and method for modification of flow of air, gases, and the like. H. A. Reece. 2,269,477; Jan. 13.
Apparatus and method for variable control of air supply and the like. H. A. Reece. 2,269,478; Jan. 13.
Apparatus for cutting metal. J. F. Franzen. 2,269,526; Jan. 13.
Apparatus for dehydrating sirup or the like. D. J. Pentzer, H. G. Miller, and L. F. Moon. 2,270,138; Jan. 13.
Apparatus for drying hair. H. E. Miller. 2,270,008; Jan. 13.
Apparatus for extracting fruit and vegetable juices. R. B. McKinnis. 2,270,007; Jan. 13.
Apparatus for feeding filler tobacco to cigar machines. F. H. B. Stelzer. 2,270,147; Jan. 13.
Apparatus for forging and forming balls. F. H. G. Brandt. 2,269,899; Jan. 13.
Apparatus for making and filling bags. S. R. Howard. 2,269,533; Jan. 13.
Apparatus for manufacturing pottery. W. J. Miller. 2,270,076; Jan. 13.
Apparatus for minimizing distortion of aluminum and similar sheets. J. C. L. Foultz. 2,269,655; Jan. 13.
Apparatus for processing sheet material. E. A. Corbin, Jr. 2,270,038; Jan. 13.
Apparatus for removing tile from molds. A. H. Sexton. 2,269,557; Jan. 13.
Armrest for invalids' chairs. G. A. Sill. 2,269,918; Jan. 13.
Arrangement consisting of a plurality of mechanically coupled rotating coil variometers. A. Weis and J. Brackmann. 2,270,178; Jan. 13.
Arrangement for regulating the output of fuel pumps for internal combustion engines. A. Kravits. 2,270,127; Jan. 13.
Articles resistant to gaseous corrosion, Manufacture of. R. Perrin. 2,269,601; Jan. 13.
Asbestos-cement pipe. A. B. Christopher. 2,269,436; Jan. 13.
Asphalt saturants, Composition of. H. S. Goodwin and H. D. Winters, Jr. 2,270,047; Jan. 13.
Automobile body construction. H. Ford. 2,269,451; Jan. 13.
Automobile chassis construction. H. Ford and E. T. Gregorie. 2,269,452; Jan. 13.
Automobile jack. J. E. Hines. 2,270,004; Jan. 13.
Azo pigments, Manufacture of. H. J. Twitchett. 2,269,885; Jan. 13.
Bag: *See*—
  Valve bag. Wired bag.
Balance weight. E. H. Kieckbusch. 2,269,670; Jan. 13.
Baling press. S. B. Minnich. 2,269,596; Jan. 13.
Bearing. H. L. Potter. 2,269,684; Jan. 13.
Bearing assembly, Thrust. W. A. Spear. 2,269,606; Jan. 13.
Bearing element for machine parts. D. S. Ellis. 2,270,205; Jan. 13.
Bed display outfit. J. H. De Boer. 2,270,039; Jan. 13.
Beehive comb or frame spacer. H. A. Schaefer. 2,269,829; Jan. 13.
Belt adjusting device. H. M. Danker. 2,270,000; Jan. 13.
Belt for paper making machines, Woven wire. H. G. Specht. 2,269,869; Jan. 13.
Binder. E. A. Trussell. 2,269,495; Jan. 13.
Blackboard. L. R. Kolovsky. 2,269,628; Jan. 13.
Blanking apparatus. R. M. Fenton. 2,269,714; Jan. 13.
Block: *See*—
  Logging block.
Board: *See*—
  Shuttering board.
  Water resistant composition board.
Boat. L. O. Willrich, Jr. 2,269,801; Jan. 13.
Boiler: *See*—
  Steam boiler.
Boiler blowdown apparatus, Continuous. P. E. Madden. 2,270,067; Jan. 13.
Boiler control system. W. J. Besler. 2,269,705; Jan. 13.
Boiler system. H. H. Welning. 2,270,097; Jan. 13.
Bookholder and carrier (jacket). T. W. Deusch. 2,270,213; Jan. 13.
Bookmarker. L. Weglein, Jr. 2,269,567; Jan. 13.
Booth, Vending. A. Wnetrzak. 2,269,925; Jan. 13.
Bottle display device, Collapsible theft proof. G. F. Muendel. 2,269,471; Jan. 13.
Bottle holder or support, Nursing. R. C. Taylor. 2,269,609; Jan. 13.
Bottle top, Nonrefillable. R. Voltolini. 2,270,095; Jan. 13.
Box: *See*—
  Cigar box.
Box front, Gin roll. T. S. Grimes. 2,269,934; Jan. 13.
Box making machine. B. L. Herrington. 2,269,766; Jan. 13.
Box making machine. C. A. Moeller. 2,269,544–5; Jan. 13.
Brake: *See*—
  Fluid brake. Hydraulic diaphragm brake.
Breather reservoir. L. A. Wilkin. 2,269,568; Jan. 13.
Bromides, Process and manufacture of metallic. E. P. Pearson. 2,269,733; Jan. 13.
Brush, Wire. L. J. Elwood. 2,269,811; Jan. 13.
Building construction. J. J. Manofsky. 2,269,677; Jan. 13.
Building construction, Steel. G. V. Palmer. 2,270,218; Jan. 13.
Building construction. E. E. Slick. 2,269,490; Jan. 13.
Building, Portable. M. H. Briggs. 2,270,161; Jan. 13.
Building unit machine. E. F. Olsen. 2,269,955; Jan. 13.
Cabinet: *See*—
  Drill cabinet.
Calculating machine. A. J. Fettig. 2,269,931; Jan. 13.
Can closure. E. A. Schayot and J. M. Poché. 2,269,830; Jan. 13.
Can delivering mechanism. C. H. Ayars. 2,269,422; Jan. 13.
Can runway. R. E. J. Nordquist. 2,269,474; Jan. 13.
Cap: *See*—
  Swim cap.
Capsule for radioactive substances and handling the same. N. A. Kahn. 2,269,458; Jan. 13.
Car: *See*—
  Tool car.
Car truck for brake beams of clasp type. C. R. Busch. 2,269,618; Jan. 13.
Carbon chloride compounds of the formula C_4Cl_6, Production of. M. Mugdan and J. Wimmer. 2,269,600; Jan. 13.
Carbon holder. C. F. Klamm. 2,269,771; Jan. 13.
Carbon paper container. N. Fleischer. 2,269,525; Jan. 13.
Carburetor. M. Mallory. 2,269,949; Jan. 13.

Card file, Demonstration. R. S. Daniel. 2,269,999; Jan. 13.
Card for artificial teeth. M. Myerson. 2,269,780; Jan. 13.
Card, Greeting. A. J. Kaufman. 2,269,589; Jan. 13.
Card segregation mechanism. L. I. Jayne. 2,269,767; Jan 13.
Case or bag, Carrying. P. Greenstein. 2,270,049; Jan. 13.
Casein products, Molding. C. Luckhaupt. 2,269,464; Jan. 13.
Cash register and the like. K. M. Vigborg. 2,269,702; Jan. 13.
Casting machine. M. H. Kelly. 2,269,669; Jan 13.
Catalyst. H. P. A. Groll and J. Burgin. 2,270,165; Jan. 13.
Catalysts, Manufacture of. C. L. Thomas. 2,270,090; Jan. 13.
Cellulose meal, Preparation of. W. Herbst. 2,269,665; Jan. 13.
Centrifugal governor. H. G. Adler and J. C. Evans. 2,270,100; Jan. 13.
Centrifuge for separating solids from liquids. H. Schulz. 2,270,173; Jan. 13.
Ceramic ware and making the same, Decorated. W. E. Palmer. 2,270,081; Jan. 13.
Cereal product and making same, Puffed. J. L. Kellogg, Jr. 2,269,536; Jan. 13.
Chain drive. A. Maurer. 2,270,133; Jan. 13.
Chair: *See*—
Folding chair.
Chair. E. H. Kimball. 2,269,878; Jan. 13.
Child's convertible unit. E. G. Wagner. 2,269,834; Jan. 13.
Chime. R. B. Brewer. 2,269,576; Jan. 13.
Chime signal. R. Schwinzer. 2,270,085; Jan. 13.
Cigar box. F. C. Foley. 2,270,001; Jan. 13.
Cigar lighter. G. F. Bahr. 2,269,507; Jan. 13.
Cipher apparatus. M. C. M. O'Brien. 2,270,137; Jan. 13.
Circuit breaker, Electric. E. W. Rickmeyer. 2,269,690; Jan. 13.
Circuit breaker operating machine. A. C. Schwager. 2,269,604; Jan. 13.
Circuit interrupter, Dropout. J. S. Thompson. 2,269,611; Jan. 13.
Circuit interrupter, Fusible. J. S. Thompson. 2,269,610; Jan. 13.
Circuit organization for magnetrons. H. Berger. 2,270,160; Jan. 13.
Circuit timer, Multiple range. C. M. Hathaway. 2,269,973; Jan. 13.
Circuits, Distortion reducing. F. H. Shepard, Jr. 2,270,012; Jan. 13.
Circuits, Tuned. J. D. Brailsford. 2,270,017; Jan. 13.
Circuits, Wide range amplifier. O. H. Schade. 2,269,693; Jan. 13.
Clamp. R. M. Sherrill. 2,269,790; Jan. 13.
Clamping apparatus, Shoe and heel. F. L. Brandt. 2,269,514; Jan. 13.
Cleaner: *See*—
Air cleaner.
Suction cleaner.
Clip: *See*—
Paper clip.
Safety clip.
Closure. L. J. De Holczer. 2,269,411; Jan. 13.
Closure fastening means. E. S. Persson. 2,270,219; Jan. 13.
Clothes rack. D. H. Bitney. 2,269,425; Jan. 13.
Closure. J. C. Davis. 2,270,018; Jan. 13.
Clothesline. A. T. McCormack. 2,269,824; Jan. 13.
Coal mining apparatus. C. F. Osgood. 2,269,781; Jan. 13.
Coating apparatus. J. J. Malloy and E. M. Hofmann. 2,270,132; Jan. 13.
Coating apparatus. G. P. McGraw. 2,269,592; Jan. 13.
Cockpit enclosure. A. L. Spangenberg. 2,270,224; Jan. 13.
Coil, Metal. A. J. Greer. 2,269,454; Jan. 13.
Coil structures, Manufacturing. L. Mauerer. 2,269,678; Jan. 13.
Coin changer and control device. C. F. Harris. 2,269,936; Jan. 13.
Coin detector mechanism for vending machines. A. E. Gebert and F. C. Black. 2,269,762; Jan. 13.
Collar. A. J. Logan. 2,270,065; Jan. 13.
Collar, Fused. T. H. Swan and H. C. Donaldson, Jr. 2,269,797; Jan. 13.
Color photography, method, and apparatus. S. B. Grimson. 2,270,050; Jan. 13.
Communication system. C. Bevoort. 2,270,104; Jan. 13.
Communication system. R. J. Tillman. 2,269,565; Jan. 13.
Compressor regulator. C. E. Cox and L. L. Collins. 2,269,620; Jan. 13.
Compression coupling. G. A. Borg and C. G. Hyland. 2,269,433; Jan. 13.
Condenser: *See*—
Short wave electron condenser.
Container: *See*—
Carbon paper container.
Display container.
Display and shipping container.
Shipping container.
Container. H. F. Rigerman. 2,269,785; Jan. 13.
Container handling machine. G. F. Burton. 2,269,517; Jan. 13.
Containers and closures, Simultaneous manufacture of. F. E. Dulmage. 2,270,185; Jan. 13.
Control apparatus for oil burners. K. French. 2,269,848; Jan. 13.
Control mechanism. H. E. Lindemann. 2,269,776; Jan. 13.
Control mechanism, Can line. R. E. J. Nordquist. 2,269,473; Jan. 13.
Control mechanism for reversible combustion engines. J. Olsson and A. Näsholm. 2,269,548; Jan. 13.
Control mechanism for sawmill carriage steam feeds. M. Kahr. 2,270,059; Jan. 13.
Control system, Burner. J. A. Deubel. 2,269,443; Jan. 13.
Control system for synchronous machines. M. N. Halberg. 2,269,972; Jan. 13.
Conveyer. A. De Los Sinden. 2,269,558; Jan. 13.
Cooking unit, Combined. W. C. Rehm. 2,269,480; Jan. 13.
Cooking vessel and stand, Electric. L. Reichold. 2,269,689; Jan. 13.
Cooler construction. L. B. Sperry. 2,269,994; Jan. 13.
Cooling mechanism. W. T. Downs. 2,269,929; Jan. 13.
Core plug. M. P. Janisch. 2,269,939; Jan. 13.
Core samples containing oil and water, Process for analysis of. M. Williams. 2,269,569; Jan. 13.
Cork composition. L. J. De Holczer. 2,269,440; Jan. 13.
Couch, Convertible. L. J. Steffen. 2,269,607; Jan. 13.
Counterbalancing apparatus. W. E. Saxe. 2,269,787; Jan. 13.
Coupler, Pipe. W. H. Stout. 2,269,560; Jan. 13.
Coupling: *See*—
Compression coupling.
Tube coupling.
Insulating coupling.
Coupling device, High frequency. W. J. Polydoroff. 2,269,784; Jan. 13.
Coupling for pipes, Quick. W. H. Stout. 2,270,089; Jan. 13.
Cover: *See*—
Ironing board cover.
Cover for centrifugal liquid separators, Bowl holding pot. C. E. Butler. 2,269,971; Jan. 13.
Craft, Manually propelled. M. Bethel. 2,269,575; Jan. 13.
Crosshead. J. Naab. 2,269,680; Jan. 13.
Cultivator, Grass. A. Linkogel. 2,269,724; Jan. 13.
Curling iron heater. A. H. Merrow. 2,269,913; Jan. 13.
Current collector for slip rings, Sliding. E. G. von Soden. 2,269,614; Jan. 13.
Curtain, Draped. L. H. Watson. 2,269,964; Jan. 13.
Curtain rod. C. P. Henry. 2,269,626; Jan. 13.
Cushion construction, Spring. O. Parker. 2,269,732; Jan. 13.
Cutter: *See*—
Field forage cutter.
Gear cutter.
Cutter and loader, Corn. D. H. Grant. 2,269,530; Jan. 13.
Cutting apparatus. C. J. Frederiksen. 2,269,527; Jan. 13.
Cutting machine. R. Bechtle and E. Habermehl. 2,269,643; Jan. 13.
Cutting machine, Circle. J. L. Anderson. 2,269,505; Jan. 13.
Damperer, Vibration. E. E. Wemp. 2,269,966; Jan. 13.
Damper, Fire. F. D. Merry. 2,270,073; Jan. 13.
Decorating device. M. Vawryk. 2,270,177; Jan. 13.
Decorative article. E. P. Franke. 2,269,657; Jan. 13.
Deflector. E. Bagnall. 2,270,029; Jan. 13.
Defroster, Carburetor. M. C. Brown. 2,269,706; Jan. 13.
Deicer fluid distributor. E. Mosehauer. 2,269,635; Jan. 13.
Dental tool. E. C. Stangel. 2,269,698; Jan. 13.
Design, Producing ornamental multicolored raised. B. Schwartz. 2,269,740; Jan. 13.
Detonation indicator. K. R. Eldredge. 2,269,760; Jan. 13.
Device for detecting displacements. E. L. Gayhart. 2,269,453; Jan. 13.
Device for spotting internal combustion engines. G. M. Wallace and R. Magerkurth. 2,269,835; Jan. 13.
Device for turning welts. C. Scherpe and F. Köhler. 2,270,144; Jan. 13.
Diaphragm. W. C. Potthoff. 2,269,685; Jan. 13.
Dice rolling device. W. B. Smith. 2,269,742; Jan. 13.
Die casting machine. L. H. Morin. 2,269,881; Jan. 13.
Differential. L. S. Powell. 2,269,734; Jan. 13.
Dishwashing machine. G. Webb. 2,269,746; Jan. 13.
Disintegrating and stabilizing apparatus. L. M McBridge. 2,269,466; Jan. 13.
Disk cutting machine. J. G. Bates. 2,269,510; Jan. 13.
Dispenser. G. H. Packwood, Jr. 2,269,782; Jan. 13.
Dispenser. A. P. Petway. 2,270,139; Jan. 13.
Dispenser pump. I. B. Nielsen. 2,269,857; Jan. 13.
Dispenser for granular substances. J. M. Jensen. 2,269,876; Jan. 13.
Dispensing apparatus, Fluid. H. A. Pattison. 2,269,882; Jan. 13.
Dispensing device. T. P. Rogers. 2,269,736; Jan. 13.
Dispensing device for aerated cream. R. E. Linch. 2,270,063; Jan. 13.

Dispensing tube and method of making same, Laminated. I. Gurwick. 2,269,661; Jan. 13.
Display and shipping container. A. J. McDonald. 2,269,676; Jan. 13.
Display container. H. J. Fischer. 2,269,715; Jan. 13.
Display device. S. S. Schmidt. 2,270,084; Jan. 13.
Display device for articles of merchandise. H. L. Myers. 2,270,079; Jan. 13.
Door: *See*—
Vehicle door.
Door handling device. J. T. Dollins. 2,269,759; Jan. 13.
Draft control. E. A. Field, Jr. 2,269,932; Jan. 13.
Draft element. B. M. Hyman. 2,269,976; Jan. 13.
Drawing machine for metal sheets. O. Oeckl. 2,269,549; Jan. 13.
Drier. E. F. Daley. 2,270,111; Jan. 13.
Drier for continuous web, strip, or string materials. A. O. Hurxthal. 2,270,125; Jan. 13.
Drill attachment, Rock. W. Glowaski. 2,269,659; Jan. 13.
Drill cabinet. B. L. Polkosnik. 2,269,637; Jan. 13.
Drinking tubes, Making telescoping. S. T. Maltby and G. B. Miller. 2,269,593; Jan. 13.
Driving mechanism for washing machines. J. Oakley. 2,270,080; Jan. 13.
Drying machine. E. J. Lauterbur and C. R. Glaser. 2,269,773; Jan. 13.
Duodirectional-unidirectional coupling. E. E. Wemp. 2,269,965; Jan. 13.
Dust, Collecting. W. F. Terry and R. E. Goodenough. 2,270,151; Jan. 13.
Dust flow indicator for suction cleaning devices. D. B. Replogle. 2,269,483; Jan. 13.
Dustpan manipulator for carpet sweepers. C. C. Parrish. 2,270,196; Jan. 13.
Duster. R. W. Chandler. 2,269,809; Jan. 13.
Dyestuffs of the anthraquinone series, Vat. W. Mieg and F. Wieners. 2,270,168; Jan. 13.
Dyestuffs of the dioazine series, Preparing. H. Greune, G. Langbein, and M. Thiele. 2,269,531; Jan. 13.
Egg carton. E. L. McKee. 2,269,468; Jan. 13.
Electric conductor. G. A. Johnson. 2,269,877; Jan. 13.
Electric signal and illuminated sign. R. A. Meador. 2,270,134; Jan. 13.
Electric switch. E. Scheuermeyer. 2,269,992; Jan. 13.
Electric switch. E. W. Seeger. 2,269,741; Jan. 13.
Electric switch. E. H. Taylor. 2,270,150; Jan. 13.
Electrical apparatus. C. W. Kronmiller. 2,269,978; Jan. 13.
Electrical connections, Making. J. N. Hiensch and E. M. H. Lips. 2,270,166; Jan. 13.
Electricity conductor unit. L. G. Morten. 2,269,779; Jan. 13.
Electrode and making the same, Covered arc welding. G. M. Smith. 2,270,013; Jan. 13.
Electrode, Covered welding. W. T. Graham. 2,270,020; Jan. 13.
Electrodes, Manufacturing blackened steel. D. R. Kiser. 2,269,943; Jan. 13.
Electron discharge apparatus. C. S. Root. 2,269,989; Jan. 13.
Electron discharge tube. E. H. B. Bartelink. 2,270,159; Jan. 13.
Electronic modulator. K. Rath. 2,269,688; Jan. 13.
Emulsifier and emulsion. H. A. Goldsmith. 2,269,529; Jan. 13.
Emulsions of the interpolymerization product of 2-ethyl hexyl methacrylate and methylmethacrylate and textile fabrics treated therewith. A. Renfrew and W. E. F. Gates. 2,270,024; Jan. 13.
Energized line tool. C. A. Smith. 2,269,921; Jan. 13.
Energy waves, Determining vertical angles of. W. L. Clemmer. 2,269,437; Jan. 13.
Engine: *See*—
Internal combustion engine.
Engine deceleration control. A. G. H. Vanderpoel, K. W. S. Ostling, and D. Firth. 2,269,498; Jan. 13.
Envelope machine. A. Novick. 2,269,954; Jan. 13.
Esters of p-aminobenzoic acid. H. A. Shonle and W. J. Doran. 2,269,791; Jan. 13.
Ethers, Insolubilization of water-soluble cellulose. S. L. Bass and R. M. Upright. 2,270,180; Jan. 13.
Ethers, Insolubilization of water-soluble cellulose. R. M. Upright. 2,270,200; Jan. 13.
Exhaust, Tipless. W. E. Anderson. 2,269,840; Jan. 13.
Fabric: *See*—
Load-bearing fabric.
Fabric and making the same, Pile. H. H. Baynton. 2,270,103; Jan. 13.
Fabrics, Making. R. E. Reed. 2,269,479; Jan. 13.
Fabrics, Making pile. L. P. Miller. 2,269,855; Jan. 13.
Fan hub and shaft assembly. W. L. Upson. 2,269,799; Jan. 13.
Fan wheel. J. Crites. 2,269,520; Jan. 13.
Fastening element. R. B. Dickson. 2,269,708; Jan. 13.
Fasteners, Sliding member of sliding clasp. V. Puc. 2,270,221; Jan. 13.
Feed control for weighing and packaging machines, Automatic. T. Rapp. 2,270,063; Jan. 13.
Feed water regulator. V. V. Veenschoten. 2,270,094; Jan. 13.
Feeding and dispensing device. W. J. Beck and P. Hannah. 2,269,432; Jan. 13.
Felted product. P. Schlack. 2,270,223; Jan. 13.
Jan. 13.
Fence post, Electric. D. M. Webster. 2,269,996; Jan. 13.
Fiber, Cutting and collecting staple. W. I. Taylor and A. H. Woodruff. 2,269,564; Jan. 13.
Fiber produced by cutting continuous filaments, Collection, treatment, and disposal of staple. W. I. Taylor and L. B. Gibbins. 2,269,563; Jan. 13.
Fiber, Tubular. D. Kleist. 2,269,459; Jan. 13.
Figure or doll, Electrically controlled. G. De W. and T. B. Robinson. 2,270,142; Jan. 13.
File band. R. J. Wilkie. 2,269,749; Jan. 13.
Filing device. M. O. Goldsmith. 2,270,045; Jan. 13.
Film drawing and trimming machine. F. E. Dulmage. 2,270,186; Jan. 13.
Film winding apparatus. J. E. O. Feller. 2,269,653; Jan. 13.
Films, Baking varnish or enamel. R. B. Barnes. 2,269,751; Jan. 13.
Filter. S. Malanowski. 2,269,725; Jan. 13.
Filter for photoflash lamps. R. I. Munder. 2,269,984; Jan. 13.
Filtering unit for vacuum coffee utensils. F. Renner. 2,269,956; Jan. 13.
Fire extinguishing composition. G. G. Urquhart. 2,269,958; Jan. 13.
Fire extinguishing composition and method. F. L. Boyd. 2,269,426; Jan. 13.
Fitting. H. A. Triplett. 2,269,960; Jan. 13.
Float, Fishing line. C. A. Walker. 2,269,615; Jan. 13.
Floor and door unit for forming the same, Composite. K. E. Crooks. 2,269,927; Jan. 13.
Floor coverings and other fabrics, Drying. E. E. Biby and G. Brown. 2,270,031; Jan. 13.
Flooring, Composite board. K. E. Crooks. 2,269,926; Jan. 13.
Flowmeter. D. M. Potter. 2,270,141; Jan. 13.
Fluid brake. W. H. Bea and A. W. Weeks. 2,270,222; Jan. 13.
Fluid piston pump. B. F. Schmidt. 2,269,789; Jan. 13.
Fluoroscopic apparatus. A. Simon. 2,269,866; Jan. 13.
Folder. H. L. Porter. 2,269,915; Jan. 13.
Folding chair. O. E. Lund. 2,269,777; Jan. 13.
Folding leg. E. W. North. 2,270,217; Jan. 13.
Foot machine, Vibratory massaging. O. T. Buffalow. 2,269,707; Jan. 13.
Forage cutter, Field. G. E. and R. G. Michel and F. B. Emmons. 2,269,828; Jan. 13.
Forge. J. H. Browning. 2,269,645; Jan. 13.
Frame construction for doors and windows. N. Andersson. 2,269,506; Jan. 13.
Free parking meter. S. Orenstein. 2,269,731; Jan. 13.
Frequency discriminator. K. Rath. 2,269,687; Jan. 13.
Fuel burner for air heating apparatus. J. Stoecker and A. Rein. 2,269,699; Jan. 13.
Furnace: *See*—
Sintering furnace.
Furnace apparatus and calcining lime with recovery of carbon dioxide. G. E. Connolly. 2,269,580; Jan. 13.
Furnace for heat treatment under high pressure. E. Miller. 2,269,595; Jan. 13.
Fuse holder. L. E. Fisher and W. H. Frank. 2,269,586; Jan. 13.
Fuse link construction. A. G. Steinmayer. 2,270,225; Jan. 13.
Game. R. E. Jones. 2,269,941; Jan. 13.
Garment. C. M. W. Black. 2,269,755; Jan. 13.
Garment. R. Simon. 2,269,883; Jan. 13.
Garment, Foundation. M. A. Nathanson. 2,269,681; Jan. 13.
Gas analysis apparatus. W. O. Hebler. 2,269,850; Jan. 13.
Gas-discharge device, Thermally responsive. E. C. Dench. 2,269,442; Jan. 13.
Gas hydrates in improving the load factor of gas supply systems, The use of. M. E. Benesh. 2,270,016; Jan. 13.
Gasket, Self-sealing. F. A. Santoro. 2,269,486; Jan 13.
Gauge: *See*—
Posture gauge.
Register gauge.
Gauge apparatus for liquid levels. F. V. Long. 2,269,539; Jan. 13.
Gear cutter. E. C. Head. 2,270,003; Jan. 13.
Gearshift mechanism. J. A. Bundy and F. W. Avila. 2,269,970; Jan. 13.
Gearing, Pitman. C. M. O'Leary. 2,269,729; Jan. 13.
Gem, Artificial. N. Barbieri. 2,270,210; Jan. 13.
Generator. A. Toelle. 2,270,122; Jan. 13.
Glass article, Tempered. J. B. Mitford. 2,269,597; Jan. 13.
Glass machine and making glass. G. Roessler. 2,269,553; Jan. 13.
Glow relay. W. E. Carpenter, D. S. Gustin, and R. F. Hays, Jr. 2,269,843; Jan. 13.
Grain shocker. P. Ketelsen. 2,269,770; Jan. 13.
Graphite article. R. I. Thrune. 2,270,199; Jan. 13.
Grill, Serving. E. A. Kraemer. 2,270,061; Jan. 13.
Grinding machine. H. Arter. 2,269,805; Jan. 13.
Grinding machine. C. G. Flygare and J. I. Garside. 2,270,206; Jan. 13.
Guide pin for diestocks, Centering. J. C. Cowie. 2,269,756; Jan. 13.

Guiding and latching means for automobile hoods, Unitary. W. H. Krause. 2,269,537; Jan. 13.
Hair waving pad. E. J. Farrell. 2,270,040; Jan. 13.
Handhold and soap dish for bathtubs, Combination. E. M. Anderson and J. B. Hicks. 2,269,420; Jan. 13.
Harrow construction. A. C. Lindgren. 2,270,207; Jan. 13.
Harvester construction. A. C. Lindgren and C. R. Raney. 2,270,208; Jan. 13.
Harvester-thresher. A. E. W. Johnson. 2,269,977; Jan. 13.
Hat. S. G. Svensson. 2,270,149; Jan. 13.
Headlight, Bumper attached. G. W. Kowalsky. 2,269,822; Jan. 13.
Hearse drape. E. L. Schofield. 2,269,739; Jan. 13.
Heat exchanger. S. J. Carpenter. 2,269,619; Jan. 13.
Heat retarding device and making the same. E. D. Tillyer. 2,269,494; Jan. 13.
Heater: *See*—
Curling iron heater. Water heater.
Orchard heater.
Heater. P. P. Scheurer. 2,269,487; Jan. 13.
Heating device. C. J. Henschel. 2,269,874; Jan. 13.
Heating system. G. Buti. 2,269,578; Jan. 13.
Heating windows or transparent panes for aircraft, motor cars, or the like. G. Van Daam. 2,269,566; Jan. 13.
Highway grating. H. C. Dreibuss and F. H. Spenner. 2,269,522; Jan. 13.
Hinge, Waffle iron. C. W. Clemons. 2,269,844; Jan. 13.
Hitch. A. P. Brecka. 2,269,806; Jan. 13.
Hoist, Free-chain planetary. F. W. Coffing. 2,269,438; Jan. 13.
Holder: *See*—
Carbon holder. Necktie holder.
Fuse holder.
Holder for dental film developing hangers. J. A. Jones and E. M. Nash. 2,269,820; Jan. 13.
Holder for drilling bowling balls, Work. J. A. Lange. 2,269,946; Jan. 13.
Holder for license vouchers. W. Keck. 2,269,535; Jan. 13.
Hose fastener and the like. J. Shaulson. 2,269,696; Jan. 13.
Hydraulic diaphragm brake. R. de Filippis. 2,269,439; Jan. 13.
Hydrocarbon conversion. E. H. McGrew. 2,270,071–2; Jan. 13.
Hydrocarbon conversion and catalyst therefor. S. C. Fulton and B. Malishev. 2,270,044; Jan. 13.
Hydrocarbon conversion process. J. G. Alther. 2,270,027; Jan. 13.
Hydrocarbon products, Manufacture of. E. M. Hattox. 2,270,052; Jan. 13.
Hydrocarbons, Catalytic conversion of. C. L. Thomas and H. S. Bloch. 2,270,091; Jan. 13.
Hydrocarbons, Conversion of. J. D. Seguy. 2,270,086; Jan. 13.
Hydrocarbons, The conversion of asphaltic. V. A. Salmi. 2,269,485; Jan. 13.
Hydroxy aldehydes and hydroxy ketones, Producing. W. E. Hanford and R. S. Schreiber. 2,269,935; Jan. 13.
Ignition starter. R. F. Rennie. 2,269,861; Jan. 13.
Illuminated sign. W. G. Huber. 2,269,718; Jan. 13.
Illumination device for spherical levels. M. Drodofsky and G. Förstner. 2,270,163; Jan. 13.
Implanting device. F. C. Wappler. 2,269,963; Jan. 13.
Implement for treating concrete and like plastic materials. C. Jackson. 2,269,938; Jan. 13.
Impression machine. E. G. Rix. 2,269,691; Jan. 13.
Indicator: *See*—
Detonation indicator. Wind velocity and direction indicator.
Low tire pressure indicator.
Insecticide. R. H. Carter. 2,269,893; Jan. 13.
Insecticide and fungicide. C. V. Bowen and F. E. Dearborn. 2,269,891; Jan. 13.
Insecticide and fungicide. R. H. Carter. 2,269,892; Jan. 13.
Instrument holder for music stands. E. E. Cox. 2,269,903; Jan. 13.
Insulating coupling. P. B. Scharf. 2,269,695; Jan. 13.
Insufflation apparatus. J. Kreiselman. 2,269,823; Jan. 13.
Internal combustion engine. G. R. Ericson and I. E. Coffey. 2,269,930; Jan. 13.
Internal combustion engine. R. L. Landry. 2,269,945; Jan. 13.
Internal combustion engine. M. Mallory. 2,269,948; Jan. 13.
Internal combustion engine. E. E. Winkley. 2,269,924; Jan. 13.
Internal combustion engine, Reversible. A. Näsholm. 2,269,547; Jan. 13.
Iron ore, Treating. H. G. Lykken. 2,269,465; Jan. 13.
Ironing board cover, Reversible. W. J. Allaback. 2,269,804; Jan. 13.
Isocytosine, Preparation of. J. P. English and R. O. Roblin, Jr. 2,269,652; Jan. 13.
Isomeric trioxymethylene, Production of. L. A. Mikeska and E. Arundale. 2,270,135; Jan. 13.
Jack: *See*—
Automobile jack. Vehicle vibrating jack.
Jack attachment, Body. G. M. Walraven. 2,270,014; Jan. 13.
Jig, Pulsating. W. C. Prickett and Q. W. Stuart. 2,269,686; Jan. 13.
Joint: *See*—
Pipe joint. Universal joint.
Slide joint.
Joint accessory, Expansion. A. C. Fischer. 2,269,449; Jan. 13.
Joint and rod supporting assembly, Expansion. R. M. Bagwill. 2,269,703; Jan. 13.
Juicer drive mechanism. A. S. Knapp. 2,269,853; Jan. 13.
Keycase and document holder, Combined. D. M. Wright. 2,270,015; Jan. 13.
Keylock for cash registers. K. F. Bratt. 2,269,644; Jan. 13.
Kiln supporting means. M. Treshow. 2,269,700; Jan. 13.
Knitting. R. E. Davis. 2,269,757; Jan. 13.
Knitting. W. L. Smith, Jr. 2,270,088; Jan. 13.
Knitting machine. K. R. Lieberknecht. 2,269,463; Jan. 13.
Labeling device, Cabinet. C. C. Clark. 2,269,902; Jan. 13.
Labeling mechanism. S. T. Carter. 2,269,870; Jan. 13.
Lamp: *See*—
Photoflash lamp. White light lamp.
Sun lamp.
Lamp house, Ventilated. B. Stechbart. 2,269,794; Jan. 13.
Land leveler. G. A. Christenson. 2,269,519; Jan. 13.
Latch and operating means therefor, Hood. R. Hill and W. H. Krause. 2,270,053; Jan. 13.
Lathe attachment. J. J. Rath. 2,270,009; Jan. 13.
Lathe, Multiple spindle indexing crankshaft. W. F. Groene, and H. J. Siekmann. 2,269,908; Jan. 13.
Lawn mower. B. A. Seaver. 2,269,920; Jan. 13.
Lawn sprinkler body. H. A. Scherrer. 2,269,919; Jan. 13.
Leather, Stretchable. A. Vamos. 2,269,923; Jan. 13.
Light socket. D. T. Mitchell. 2,269,951; Jan. 13.
Lighter. S. M. Locker. 2,269,591; Jan. 13.
Lighter, Cigar. A. A. Johnson. 2,270,056; Jan. 13.
Lighting arrangement for vehicles. L. L. Stewart. 2,269,795; Jan. 13.
Lipstick. D. F. Baird. 2,269,750; Jan. 13.
Liquid dispensing apparatus, Coin controlled. F. D. Hart. 2,269,937; Jan. 13.
Liquid level control. R. A. Engel. 2,269,846; Jan. 13.
Load-bearing fabric. B. L. Whittier. 2,270,154; Jan. 13.
Loading attachment for road scraper. N. Repplinger. 2,269,917; Jan. 13.
Lock for sliders, Pull. D. Mariusky. 2,269,879; Jan. 13.
Logging block. P. E. Keaney. 2,269,768; Jan. 13.
Loudspeaker system. M. Appenzeller. 2,269,572; Jan. 13.
Lubricant. H. E. Ballard. 2,270,101–2; Jan. 13.
Lubricant, Solid. H. E. Johnson. 2,269,720; Jan. 13.
Lubricated valve. D. C. Sharp. 2,269,887; Jan. 13.
Lubricating arrangement for clutch pilot bearings. H. L. Morris. 2,270,077; Jan. 13.
Lubricating system. C. E. Dirkes. 2,269,928; Jan. 13.
Lubrication system for plug valves. A. S. Volpin. 2,269,886; Jan. 13.
Luminaire. T. W. Rolph. 2,269,554; Jan. 13.
Luminescent material. M. Hüniger and H. Panke. 2,270,124; Jan. 13.
Luminescent material and manufacture. J. N. Bowtell, H. G. Jenkins, and A. H. McKeag. 2,270,105; Jan. 13.
Lure guard, Fish. J. McArthur. 2,270,070; Jan. 13.
Machine for applying strips to boxes. D. L. Chaffin. 2,270,212; Jan. 13.
Machine for drawing and trimming thermoplastic containers. F. E. Dulmage. 2,270,187; Jan. 13.
Machine tool. R. M. Woytych. 2,269,641; Jan. 13.
Magnesium and its alloys, Treatment for coated. R. W. Buzzard. 2,269,435; Jan. 13.
Magnesium base alloy. J. C. McDonald. 2,270,189–95; Jan. 13.
Magnetic separator. M. D. Thompson. 2,269,897; Jan. 13.
Map templet, Slotted. A. J. Kramer. 2,269,896; Jan. 13.
Marking element for mechanical pencils. N. H. McPhee. 2,269,950; Jan 13.
Mask, Welder's. M. N. Anderson. 2,270,028; Jan. 13.
Material separation device. F. A. Dromgold. 2,269,583; Jan. 13.
Mathematical device. W. G. Hutton. 2,269,975; Jan. 13.
Measuring apparatus. J. M. Cooney. 2,269,650; Jan 13.
Measuring device. G. H. Rockwood, Jr. 2,269,603; Jan. 13.
Measuring device. T. P. Rogers. 2,269,737; Jan. 13.
Measuring device, Electrical. K. R. Eldredge. 2,269,584; Jan. 13.
Measuring instrument. J. G. Gibson. 2,269,814; Jan. 13.
Measuring rule, Telescoping. C. G. Swanson and E. K. N. Nelson. 2,270,227; Jan. 13.
Mechanical press. J. de Noronha. 2,269,758; Jan. 13.
Mechanism for holding work on drill presses. T. E. Mead. 2,269,727; Jan. 13.
Mercury 9,12-octadecadienoate and process of manufacturing. R. A. Stone. 2,269,743; Jan. 13.

Message delivery device. W. R. Hall. 2,270,021; Jan. 13.
Metal catcher for type casting machines, Waste. G. L. Curle. 2,270,034; Jan. 13.
Metal spheres, Manufacturing. J. L. Gallup. 2,269,528; Jan. 13.
Metal, Weld. D. K. Crampton and H. L. Burghoff. 2,269,581; Jan. 13.
Metal working press. W. P. Merrill. 2,269,778; Jan. 13.
Metallic articles, Forming. L. A. Young. 2,269,839; Jan. 13.
Metals and the product thereof, Cladding. S. Deutsch. 2,269,523; Jan. 13.
Meter: *See*—
Free parking meter.
Photographic exposure meter.
Method and apparatus for inserting packing in containers. E. E. Lakso. 2,269,722; Jan. 13.
Method of and apparatus for producing individual tea bags. S. R. Howard. 2,269,532; Jan. 13.
Methyl and ethyl lead compounds, Manufacture of. G. Callingaert and H. A. Beatty. 2,270,109; Jan. 13.
Microimpression tool. P. C. Yuhase. 2,269,616; Jan. 13.
Mill: *See*—
Separating mill.
Minerals, Preparation of finely divided synthetic. J. G. Strieby. 2,269,608; Jan. 13.
Mining apparatus. L. E. Simmons. 2,269,793; Jan. 13.
Mixing apparatus. G. Du Rietz and L. J. F. Ell. 2,270,164; Jan. 13.
Moistening device. M. Liebman. 2,269,979; Jan. 13.
Mold and sprue sleeve therefor. H. F. Hagemeyer. 2,269,455; Jan. 13.
Mop, Dust. A. R. Bernstein. 2,269,424; Jan. 13.
Motion, Means for reproducing. W. A. Reichel. 2,269,602; Jan. 13.
Motor vehicle. E. T. Price. 2,270,022; Jan. 13.
Motor vehicle turn indicator switch. J. J. Wharam and E. F. Hohwart. 2,269,499; Jan. 13.
Mounting: *See*—
Antenna mounting. Wheel mounting.
Thermometer mounting. Yarn beam mounting.
Mower. R. D. MacDonald. 2,269,980; Jan. 13.
Mowing machine. W. M. Lawrence. 2,269,774; Jan. 13.
Muffler for internal combustion engines. S. Eliot. 2,270,115; Jan. 13.
N-alkyl amino-phenols, Preparation of. H. M. Fitch. 2,270,215; Jan. 13.
N-(alpha-beta-alkenylidene)-aminophenols. H. M. Fitch. 2,269,450; Jan. 13.
N-paratoluene sulphonyl pyridine carboxyl amide and the preparation thereof. W. O. Frohring, L. J. Szabo, and M. Landy. 2,270,201; Jan. 13.
N-sulphonylalkylenimine ploymers. G. J. Berchet. 2,269,997; Jan. 13.
Nail and applying same, Surgical threaded. E. E. Longfellow. 2,270,188; Jan. 13.
Nails, Making weatherproof. R. B. Dickson. 2,269,709; Jan. 13.
Nails, Method of and apparatus for making weatherproof. G. E. Dickson. 2,269,710; Jan. 13.
Necktie. M. M. Brohard, Jr. 2,269,577; Jan. 13.
Necktie holder. J. P. Kennedy. 2,269,769; Jan. 13.
Nickel-platinum alloy. M. B. Vilensky. 2,269,497; Jan. 13.
Nozzle. C. H. Carr. 2,270,033; Jan. 13.
Nozzle, Suction. E. Edström. 2,269,446; Jan. 13.
Nozzle, Suction. L. J. F. Ell. 2,269,447; Jan. 13.
Oil burning apparatus. J. H. Jackson. 2,269,719; Jan. 13.
Oil, Compounded. J. O. Clayton and B. B. Farrington. 2,270,113; Jan. 13.
Oil distillates and the like, Neutralizing acid treated lubricating. A. E. Cafanach and E. Kolthoff. 2,269,647; Jan. 13.
Oils, fats, and waxes, Refining of. H. J. Kauffmann. 2,269,667; Jan. 13.
Oils, Manufacturing pour point depressants for waxy lubricating. E. Lieber. 2,270,062; Jan. 13.
Oils, Refining of mineral. M. C. K. Jones. 2,270,058; Jan. 13.
Oleaginous material, Treatment of. R. T. Anderson. 2,269,898; Jan. 13.
1-methyl butyl-p-aminobenzoate. H. A. Shonle and W. J. Doran. 2,269,792; Jan. 13.
Operating mechanism for elevator retiring cams. C. J. Anderson. 2,269,594; Jan. 13.
Ophthalmoscope. F. C. Wappler. 2,269,962; Jan. 13.
Optical device, Electron. B. v. Borries and H. O. Müller. 2,270,112; Jan. 13.
Optical instrument. R. K. Graham. 2,269,905; Jan. 13.
Orchard heater. A. H. Senner and R. E. Nest. 2,269,831; Jan. 13.
Ores, Treating. R. B. Ladoo. and W. G. Hubler. 2,269,912; Jan. 13.
Organ, Electric. S. K. Ketterman. 2,269,942; Jan. 13.
Oscillator, Electron beam. W. W. Hansen and R. H. Varian. 2,269,456; Jan. 13.
Oximes, Producing. P. Schlack. 2,270,204; Jan. 13.
Packages, Yarn carrier. C. H. Boyce. 2,270,106; Jan. 13.
Package. M. S. Strasser. 2,269,796; Jan. 13.
Package, Filler. L. Benoit. 2,270,030; Jan. 13.
Pad: *See*—
Hair waving pad.
Paper clip. J. H. Comley. 2,269,649; Jan. 13.
Peroxide, Organic. H. J. Tadema. 2,270,175; Jan. 13.
Petrolatum, Refining of. C. E. Adams, A. B. Brown, and D. W. Bransky. 2,270,214; Jan. 13.
Phosphatide product, and obtaining it. N. F. Kruse. 2,269,772; Jan. 13.
Photographic exposure meter. F. Lewin. 2,269,723; Jan. 13.
Photographic images, Production of colored. J. H. Reindorp. 2,269,481; Jan. 13.
Photometer system. W. E. Garity and H. Wolfe. 2,269,813; Jan. 13.
Photometric analysis. U. Liddel and R. B. Barnes. 2,269,674; Jan. 13.
Photoflash lamp. M. J. N. de Margitta. 2,270,162; Jan. 13.
Piano. O. Peterson. 2,269,783; Jan. 13.
Pictures, Production of colored photographic. B. Gáspár. 2,270,118; Jan. 13.
Pigment and manufacture, Iron blue. T. P. Brown. 2,269,516; Jan. 13.
Pigment and paint and making same, Zinc aluminate. L. E. Barton. 2,269,508; Jan. 13.
Pigments, Treating. K. S. Mowlds. 2,269,470; Jan. 13.
Pintle cradle for stranding and/or closing machines, Retracting. C. F. Van Hook. 2,270,093; Jan. 13.
Pipe: *See*—
Asbestos-cement pipe. Tobacco pipe.
Smoking pipe.
Pipe joint. A. S. Foster and G. M. Gill. 2,269,895; Jan. 13.
Pipe joint, Flexible. F. M. Allen and C. B. Taylor. 2,269,431; Jan. 13.
Piston ring. G. M. M. Grant. 2,269,763; Jan. 13.
Piston ring. M. G. Kurth. 2,269,944; Jan. 13.
Plant stem cuttings, Treatment of. N. H. Grace. 2,270,046; Jan. 13.
Planting means. H. R. Traphagen. 2,269,798; Jan. 13.
Plastic composition. M. J. Batelja. 2,269,509; Jan. 13.
Plastic product and manufacture. W. A. Darrah. 2,269,521; Jan. 13.
Playbook, Printing. J. F. Joffe. 2,270,055; Jan. 13.
Plug: *See*—
Core plug. Spark plug.
Pocketknife. H. W. Miller. 2,270,074; Jan. 13.
Polyvinyl halide composition. M. M. Safford. 2,269,990; Jan. 13.
Porous formations, Sealing. H. T. Kennedy. 2,270,006; Jan. 13.
Posture gauge. C. M. Martin. 2,270,069; Jan. 13.
Pottery ware, Method and apparatus for manufacturing. W. J. Miller. 2,270,075; Jan. 13.
Power, Central. C. M. O'Leary. 2,269,730; Jan. 13.
Power lift. C. W. Mott. 2,269,983; Jan. 13.
Power lift mechanism. T. Brown. 2,269,515; Jan. 13.
Power limiter. J. W. Thompson and V. E. Metcalfe. 2,269,922; Jan. 13.
Press: *See*—
Baling press. Metal working press.
Mechanical press.
Printing press and web drying means therefor. A. Weiss. 2,269,836; Jan. 13.
Process. E. P. Czerwin. 2,269,998; Jan. 13.
Projectile. J. Pomeroy. 2,269,475; Jan. 13.
Projector for motion pictures in color and in three dimensions. R. E. Schensted. 2,270,198; Jan. 13.
Propeller. C. Upton. 2,269,833; Jan. 13.
Protractor, Course. R. S. Blair. 2,269,841; Jan. 13.
Pulley, Adjustable V-belt. L. B. Neighbour. 2,269,546; Jan. 13.
Pulse regenerator. K. D. Swartzel, Jr. 2,269,639; Jan. 13.
Pump: *See*—
Dispenser pump. Well pump.
Fluid piston pump.
Pump. C. A. Erickson. 2,269,625; Jan. 13.
Pump and clarifier. J. F. Gregg. 2,269,716; Jan. 13.
Rack: *See*—
Clothes rack.
Radiator enclosure, Wall. E. G. Powell. 2,269,551; Jan. 13.
Radio receiver. J. V. Fill. 2,270,117; Jan. 13.
Radio receiving apparatus. J. A. van Lammeren, A. van Dam, W. L. L. Vivie, and G. B. Knös. 2,270,176; Jan. 13.
Radio transmitter. R. Aubert and R. Villem. 2,270,157; Jan. 13.
Rail bender. D. A. Benner. 2,269,752; Jan. 13.
Railroad tie. B. Gizzi. 2,269,906; Jan. 13.
Railroad ties, Draining. W. A. Moberly. 2,269,543; Jan. 13.
Rake, Hand. C. L. Hysell. 2,269,818; Jan. 13.
Ratcheting mechanism. T. Obszarny. 2,269,858; Jan. 13.
Razor, Power driven. H. Huntington. 2,269,875; Jan. 13.
Razor, Safety. J. Draut. 2,269,711; Jan. 13.
Record suppressor, Home. L. M. Potts. 2,269,986; Jan. 13.
Recording system. R. R. Scoville. 2,269,638; Jan. 13.
Reel: *See*—
Self-winding reel.
Reel. A. A. Cabassa. 2,269,808; Jan. 13.

Refractory. N. P. Pitt, A. C. Halferdahl, and F. E. Lathe. 2,270,220; Jan. 13.
Refrigerating apparatus. R. H. Geiger. 2,269,873; Jan. 13.
Refrigerating apparatus. F. W. Hartman. 2,269,909; Jan. 13.
Refrigeration. H. M. Ullstrand. 2,269,701; Jan. 13.
Refrigeration apparatus. M. G. Shoemaker. 2,270,087; Jan. 13.
Register, Autographic. L. Jensen. 2,269,666; Jan. 13.
Register gauge. L. C. Sparks. 2,270,145; Jan. 13.
Regulator: *See*—
Compressor regulator. Feed water regulator.
Relief and signal apparatus for storage batteries. R. Millenaar. 2,269,679; Jan. 13.
Reproduction and recording of races. H. A. Rose. 2,269,862; Jan. 13.
Resins in powdered form, Manufacture of purified vinyl aromatic. W. R. Collings, G. P. Schmelter, and F. E. Dulmage. 2,270,182; Jan. 13.
Resins, Purifying vinyl aromatic. R. R. Dreisbach. 2,270,184; Jan. 13.
Resins, Manufacturing hydrocarbon. M. H. Arveson. 2,269,421; Jan. 13.
Respirator. W. H. Lehmberg. 2,269,461; Jan. 13.
Respiratory apparatus. W. A. Wildhack. 2,269,500; Jan. 13.
Resuscitator - aspirator - insufflator. C. N. Erickson. 2,269,904; Jan. 13.
Retaining means for concrete form walls. S. S. Colt. 2,270,035; Jan. 13.
Reversible valve. E. A. Corbin, Jr. 2,270,037; Jan. 13.
Ring: *See*—
Piston ring.
Robe. J. Markowitz. 2,269,632; Jan. 13.
Rod: *See*—
Curtain rod. Welding rod.
Rotor for electric generators. W. D. Crocker. 2,269,651; Jan. 13.
Rubber, Preventing the adhesion of. G. E. Griffin. 2,269,660; Jan. 13.
Rubber, Vulcanization of. A. M. Neal and B. M. Sturgis. 2,269,472; Jan. 13.
Sadiron. R. I. Huffman. 2,269,851; Jan. 13.
Sadiron, Pressing and steaming. A. Tisnerat and M. Coonen. 2,269,957; Jan. 13.
Safety clip. R. Guyot. 2,269,662; Jan. 13.
Safety control. B. E. Shaw. 2,269,864; Jan. 13.
Safety pin lock slider. D. Marinsky and L. H. Morin. 2,270,068; Jan. 13.
Sanding system with braking ratio control. C. A. Campbell. 2,270,110; Jan. 13.
Saws, Grinding. J. A. St. Clair. 2,269,556; Jan. 13.
Scale. C. E. Branick. 2,269,969; Jan. 13.
Scissors or the like. E. Hardin. 2,269,587; Jan. 13.
Scraper. C. Le Bleu. 2,269,775; Jan. 13.
Scraper, Automotive digging, gathering, carrying and leveling. F. D. Wilson and L. S. Burns. 2,269,502; Jan. 13.
Screen and mounting therefor, Window. D. G. Horton. 2,269,817; Jan. 13.
Screen and trap attachment. E. D. Featherston and R. E. Petry. 2,270,116; Jan. 13.
Screen for windows. E. S. Persson. 2,270,202; Jan. 13.
Screw, Self-locking. O. J. Poupitch. 2,269,476; Jan. 13.
Scrubbing or cleaning machine. M. A. Buckley. 2,269,807; Jan. 13.
Seal construction. T. W. Hallerberg. 2,269,664; Jan. 13.
Seal for pumps, Water. W. Hogan. 2,270,054; Jan. 13.
Seal for vacuum tubes, Thimble. J. H. Ramage. 2,269,860; Jan. 13.
Seat: *See*—
Vehicle seat.
Seat. D. B. Baker. 2,269,968; Jan. 13.
Seat construction. G. V. Soper. 2,269,832; Jan. 13.
Segmental crushing roll. T. A. Ratkowski and E. A. Lerner. 2,269,552; Jan. 13.
Seismic-electric prospecting. L. W. Blau. 2,269,890; Jan. 13.
Selector switch, Direct current impulse operated. M. G. Nelsen and T. Obszarny. 2,269,856; Jan. 13.
Self-winding reel. G. Jaeger. 2,269,534; Jan. 13.
Separating mill. A. Schaich. 2,270,143; Jan. 13.
Separator: *See*—
Magnetic separator.
Shaped articles from coke and pitch, Making. E. R. Cole and R. I. Thrune. 2,270,181; Jan. 13.
Sharpener, Mechanical pencil lead. G. E. Cadot. 2,270,107; Jan. 13.
Shear construction. E. G. Rankin. 2,270,010; Jan. 13.
Shearing device, Metal. D. J. Parker. 2,269,914; Jan. 13.
Shears, Garden. C. Gutman. 2,269,764; Jan. 13.
Shears, Lawn. A. L. Bincze. 2,269,961; Jan. 13.
Sheave. W. W. Kemphert and D. E. Tessendorf. 2,269,821; Jan. 13.
Sheet feeder and method of using. S. Aktabowski. 2,269,571; Jan. 13.
Shell fillings, Jordan. D. E. Jones. 2,270,057; Jan. 13.
Shingle, Metal. G. H. Gaston. 2,269,872; Jan. 13.
Shipping container. A. P. Downing. 2,269,622; Jan. 13.
Shoe. B. B. Goodman. 2,269,815; Jan. 13.
Shoe, Wedge heel. F. R. Merritt. 2,269,542; Jan. 13.
Shoe, Welt. D. R. Brady. 2,269,427; Jan. 13.
Shoemaking. K. A. Stritter. 2,269,562; Jan. 13.
Short wave electron condenser. P. Muller. 2,270,169; Jan. 13.
Showcase. J. E. Gauvreau. 2,269,761; Jan. 13.
Shower head. R. E. Bletcher and E. H. Bucknell. 2,269,901; Jan. 13.
Show-kerchief, Preformed. P. Biederman. 2,269,511; Jan. 13.
Shutter, Automatic safety. E. H. Schwartz. 2,269,488; Jan. 13.
Shutter for projection apparatus. R. J. Erwin. 2,269,713; Jan. 13.
Shuttering board. W. G. Duncan. 2,270,114; Jan. 13.
Sign: *See*—
Illuminated sign.
Sign for vehicles, Illuminated. W. H. Livingston and J. H. Hughens. 2,269,675; Jan. 13.
Signal: *See*—
Chime signal.
Signal flare. J. B. Decker. 2,269,582; Jan. 13.
Signal-translating system and operation. H. M. Lewis and J. C. Wilson. 2,269,590; Jan. 13.
Signaling system, Alarm. V. E. Rosene. 2,269,692; Jan. 13.
Sill cambering and welding mechanism. W. M. Bernhardt and A. H. Hartwig. 2,269,754; Jan. 13.
Sintering furnace. W. L. Wroblewski. 2,269,838; Jan. 13.
Skylight, Puttyless ventilated. T. C. Fowler. 2,269,656; Jan. 13.
Slide fasteners, Interlocking. B. Adler and L. Siegel. 2,269,419; Jan. 13.
Slide joint. C. H. Thomas. 2,269,493; Jan. 13.
Smoking article. R. Trane. 2,269,995; Jan. 13.
Smoking pipe. A. MacDonald. 2,269,541; Jan. 13.
Soap article. M. de Botelho. 2,269,871; Jan. 13.
Socket. A. J. Schmitt. 2,269,993; Jan. 13.
Socket. N. R. Smith. 2,269,605; Jan. 13.
Soda lime, Self-indicating. J. R. Ruhoff. 2,270,025; Jan. 13.
Solenoid valve. B. E. Shaw. 2,269,865; Jan. 13.
Solvent from hydrocarbon oils, Recovery of. J. H. McCullough. 2,269,467; Jan. 13.
Soot blower. A. M. Wilson. 2,269,802; Jan. 13.
Sound device with piezoelectric double plates. A. Meissner and E. Burckhardt. 2,270,167; Jan. 13.
Spark plug. G. M. Paulson. 2,269,682–3; Jan. 13.
Speed control mechanism. E. G. Glick. 2,270,002; Jan. 13.
Spindle reel with toggle arms. F. M. Littell. 2,270,064; Jan. 13.
Spool type tubing spider. D. C. Sharp. 2,269,888; Jan. 13.
Spring release hitch. J. Morkoski. 2,269,981; Jan. 13.
Sprinkler system. C. F. Troop. 2,269,745; Jan. 13.
Stand: *See*—
Supporting stand.
Stapling device. C. I. Tager and H. C. Stockel. 2,269,744; Jan. 13.
Steam boiler. R. Gray. 2,270,048; Jan. 13.
Steel apparatus, Catalytic treatment in stainless. R. P. Russell. 2,270,026; Jan. 13.
Steering control system for manually operated four wheel vehicles. J. C. Naab. 2,269,910; Jan. 13.
Steering wheels, Making. C. E. Sorensen. 2,269,492; Jan. 13.
Stock and die lubricator. J. R. Haeffner. 2,270,121; Jan. 13.
Stoker, Automatic. W. M. Fulton. 2,269,812; Jan. 13.
Stoker control system. T. A. Wetzel. 2,269,800; Jan. 13.
Storage device. H. J. Johnson. 2,269,940; Jan. 13.
Subterranean deposits, Locating valuable. L. W. Blau. 2,269,889; Jan. 13.
Suction cleaner. D. B. Replogle. 2,269,482; Jan. 13.
Sulphides, Dialkylphenol. E. W. Cook and W. D. Thomas, Jr. 2,270,183; Jan. 13.
Sulphur from waste liquors containing sulphidic sodium compounds, Recovering. J. J. Stoeckly and E. Profft. 2,270,174; Jan. 13.
Sun lamp. F. Wommer. 2,270,099; Jan. 13.
Superheterodyne receiver. J. F. Ramsay and A. L. Oliver. 2,270,023; Jan. 13.
Support for soap dispensers. M. Feinson. 2,269,847; Jan. 13.
Supporting means for drapes. C. J. Rybicky. 2,269,738; Jan. 13.
Supporting stand. W. B. Cohen and L. Fine. 2,269,430; Jan. 13.
Surface grinding machine. H. A. Sliven. 2,269,697; Jan. 13.
Surface switch. B. E. Shaw. 2,269,863; Jan. 13.
Sweater, Sport. P. Snyder. 2,269,491; Jan. 13.
Sweeper, Carpet. C. C. Parrish. 2,270,197; Jan. 13.
Swim cap. M. Smith. 2,269,868; Jan. 13.
Switch: *See*—
Electric switch. Selector switch.
Motor vehicle turn indicator switch. Surface switch.
Switch construction for automotive vehicles. B. L. Bobroff. 2,269,512; Jan. 13.
Switch for motion picture projectors, Film-controlled circuit. T. J. Morgan. 2,269,952; Jan. 13.
Synchronizing-signal separating apparatus. G. W. Edwards. 2,269,524; Jan. 13.

Tabulating machine. O. L. Cleven. 2,269,894; Jan. 13.
Tank or container for use in vehicles and aircraft, Liquid. W. Borstel. 2,269,617; Jan. 13.
Taping machine. W. A. and B. H. Davis. 2,269,621; Jan. 13.
Telautograph system. H. C. Moodey. 2,269,599; Jan. 13.
Telegraph printing system. J. A. Spencer. 2,269,559; Jan. 13.
Telephone substation apparatus. C. E. Lomax. 2,270,066; Jan. 13.
Telephone system. E. Horn. 2,270,123; Jan. 13.
Telephone system. M. Langer. 2,270,129; Jan. 13.
Telephone system. M. Langer and E. Horn. 2,270,128; Jan. 13.
Telephone system. B. F. and H. A. Lewis. 2,269,462; Jan. 13.
Television signal-translating stage, Adjustable-gamma. J. C. Wilson. 2,269,570; Jan. 13.
Television signal-translating system. A. V. Loughren. 2,269,540; Jan. 13.
Television transmitting tube. H. A. Iams. 2,269,588; Jan. 13.
Temperature control. E. S. Smith. 2,269,959; Jan. 13.
Templet. W. Baesgen and O. Pätzold. 2,270,158; Jan. 13.
Tensioning device. H. Klaucke. 2,269,672; Jan. 13.
Tenter for the treatment of cloth. B. Willen. 2,270,155; Jan. 13.
Terminal and connector structure, Electrical. W. M. Johnson and E. B. Isaac. 2,270,126; Jan. 13.
Testing device. H. N. Durham and G. B. Finnegan, Jr. 2,269,444; Jan. 13.
Thermometer mercury reducer. C. P. Owen. 2,269,859; Jan. 13.
Thermometer mounting. A. C. Bruns. 2,270,211; Jan. 13.
Thermoplastic elements, Casting. L. H. Morin and D. Marinsky. 2,269,880; Jan. 13.
Thermoplastics, Die casting. L. H. Morin and D. Marinsky. 2,269,953; Jan. 13.
Thread guide, Uniform advance of. E. Leupold. 2,270,131; Jan. 13.
Tire buffing machine. J. Green. 2,270,119; Jan. 13.
Tire pressure indicator, Low. Lester V. Stowe. 2,270,148; Jan. 13.
Titrabromoindigo, Preparing. P. Nawiasky and E. Wolthuis. 2,270,170; Jan. 13.
Tobacco feeding apparatus. D. W. Molins. 2,270,136; Jan. 13.
Tobacco machine for forming continuous tobacco rods or fillers. D. W. Molins. 2,269,598; Jan. 13.
Tobacco pipe. H. G. Wyse. 2,269,803; Jan. 13.
Tool: *See*—
Dental tool. Machine tool.
Energized line tool. Microimpression tool.
Tool. G. A. Tinnerman. 2,270,153; Jan. 13.
Tool car. D. A. Benner. 2,269,753; Jan. 13.
Tooth, Artificial. M. G. Feldman and B. Perlow. 2,269,585; Jan. 13.
Toothbrush. J. A. Born and R. C. Dunker. 2,269,513; Jan. 13.
Torch cutting machine. C. Mott. 2,269,636; Jan. 13.
Torque measuring wrench. H. W. Zimmerman. 2,269,503; Jan. 13.
Toy. G. Merle. 2,269,633; Jan. 13.
Traffic counting apparatus. G. G. Wiley. 2,269,501; Jan. 13.
Trailer, Aerial. F. G. Manson. 2,269,469; Jan. 13.
Transmission, Automatic. R. E. Keller. 2,269,668; Jan. 13.
Transmission line, High frequency. M. W. Scheldorf. 2,269,991; Jan. 13.
Transmission mechanism, Automatic. C. W. Brooks. 2,269,434; Jan. 13.
Transmission, Power. F. T. Harrington and R. L. Tweedale. 2,269,765; Jan. 13.
Transmission, Power. E. L. Rose. 2,269,786; Jan. 13.
Transmission unit. C. R. Schenk. 2,269,788; Jan. 13.
Transmission unit, Variable speed power. P. Whitcomb. 2,270,098; Jan. 13.
Transmitter. R. Thom. 2,269,640; Jan. 13.
Transportation body. C. Marinello. 2,269,630; Jan. 13.
Transportation body construction. C. Marinello. 2,269,631; Jan. 13.
Trap for fruit, Inspection. M. Mendoza. 2,269,827; Jan. 13.
Tray, Ice. O. U. Zerk. 2,269,642; Jan. 13.
Trip mechanism for phonographs, Tone arm. T. M. Wright. 2,270,179; Jan. 13.
Tripping mechanism. M. E. Pearsall. 2,270,082; Jan. 13.
Truck. I. B. Remsen. 2,269,735; Jan. 13.
Truck, Portable concrete batching and mixing. G. H. Strayer. 2,269,561; Jan. 13.
Tub construction. C. H. Widman. 2,269,748; Jan. 13.
Tube: *See*—
Electron discharge tube.
Television transmitting tube.
Tube coupling. H. Kreidel. 2,269,629; Jan. 13.
Tube seal. J. S. Kotlarz. 2,270,060; Jan. 13.
Tube sealing. E. Themak. 2,270,152; Jan. 13.
Tube valve. P. A. Kinzie. 2,269,671; Jan. 13.
Tufting machine, Multiple needle. R. H. Windham. 2,269,837; Jan. 13.
Type dammer, Roll-over. J. L. Hipple. 2,269,974; Jan. 13.
Universal joint. E. H. Piron. 2,270,140; Jan. 13.
Utensil, Cooking. C. W. Hellberg. 2,269,627; Jan. 13.
Utility device, Nestled. A. R. Fergusson. 2,270,041; Jan. 13.
Valve: *See*—
Lubricated valve. Solenoid valve.
Reversible valve. Tube valve.
Valve. E. H. Mueller. 2,270,078; Jan. 13.
Valve assembly, Rotary reversing. T. L. Fawick. 2,270,019; Jan. 13.
Valve bag. W. E. Hahn. 2,269,849; Jan. 13.
Valve buffing and polishing machine. E. D. George and H. M. Brown. 2,269,658; Jan. 13.
Valve control system, Electric. A. L. Whiteley and B. G. Higgins. 2,269,967; Jan. 13.
Valve for internal combustion engines, Rotary. C. W. Hall. 2,270,051; Jan. 13.
Valve mechanism. F. S. Barks and V. G. Klein. 2,269,423; Jan. 13.
Vapor dome. C. A. Erickson. 2,269,624; Jan. 13.
Vapor electric device. M. J. Brown. 2,269,842; Jan. 13.
Vehicle: *See*—
Motor vehicle.
Vehicle. C. R. Rogers, W. O. Bechman, and R. A. Holmberg. 2,269,988; Jan. 12.
Vehicle construction. M. A. Mills. 2,269,728; Jan. 13.
Vehicle door. C. H. Widman. 2,269,747; Jan. 13.
Vehicle seat. A. Ruegger. 2,270,172; Jan. 13.
Vehicle vibrating jack. G. Jacobs. 2,269,911; Jan. 13.
Veneer joining machine. G. M. Gustin. 2,269,816; Jan 13.
Venetian blind. P. H. Kuyper. 2,269,854; Jan. 13.
Ventilator. G. C. Breidert. 2,269,428; Jan. 13.
Viewing device. F. Jansey. 2,270,005; Jan. 13.
Vinyl aromatic compounds, Resinous copolymers of. R. R. Dreisbach and S. M. Stoesser. 2,269,810; Jan. 13.
Viscosimeter. S. F. Cole. 2,269,648; Jan. 13.
Voting machine. A. N. Gustavson. 2,269,907; Jan. 13.
Wadding roll, Compressed. C. A. Fourness and R. A. Moravek. 2,270,043; Jan. 13.
Wall and method of constructing it, Glass tank. G. J. Easter. 2,269,445; Jan. 13.
Warp beaming machine. W. V. Boyd. 2,270,032; Jan. 13.
Washboard. E. Gold. 2,269,933; Jan. 13.
Washing device. A. A. Johnson. 2,269,721; Jan. 13.
Watch band. M. Marwil. 2,270,216; Jan. 13.
Water heater. R. G. Ferris. 2,269,448; Jan. 13.
Water resistant composition board. D. F. Jurgensen, Jr. 2,269,457; Jan. 13.
Web shifting mechanism. W. M. Stocker. 2,269,884; Jan. 13.
Welder. W. H. Martin. 2,269,726; Jan. 13.
Welding, Electric. M. M. Lewbers. 2,269,538; Jan. 13.
Welding machine, Automatic arc. B. Ronay. 2,269,484; Jan. 13.
Welding rod. R. M. Rooke and F. C. Saacke. 2,269,555; Jan. 13.
Welding system, Condenser. H. Klemperer. 2,269,460; Jan. 21.
Well pump. J. O. Steele. 2,270,146; Jan. 13.
Well surveying device. D. Hering. 2,269,717; Jan. 13.
Wheel: *See*—
Adjustable measuring wheel. Fan wheel.
Wheel mounting. K. Brenkert. 2,269,429; Jan. 13.
White light lamp. S. Isenberg. 2,269,819; Jan. 13.
Wind velocity and direction indicator. N. J. Greene. 2,270,120; Jan. 13.
Window and blind arrangement. A. H. Chilton. 2,269,579; Jan. 13.
Window installation, Back. J. L. Conlon. 2,270,036; Jan. 13.
Windowpane for poultry houses. H. Warp. 2,270,096; Jan. 13.
Windshield wiper arm. L. B. Ehrlich. 2,269,623; Jan. 13.
Wire and radio transmission by frequency variation, Modulation of. R. E. Mathes. 2,269,594; Jan. 13.
Wired bag. P. Benenfeld. 2,269,574; Jan. 13.
Wood, Molding sheets of. K. Michaelis. 2,269,634; Jan. 13.
Wood pulp, Manufacture of. F. Olsen. 2,269,985; Jan. 13.
Work holder for airscrews. F. S. Saunders. 2,270,203; Jan. 13.
Wrench: *See*—
Torque measuring wrench.
Wrench. C. E. Schilling. 2,270,011; Jan. 13.
Wrench for lock nuts. A. H. Thompson. 2,270,092; Jan. 13.
X-ray diagnosis, Contrast agent for. E. Schwenk. 2,269,489; Jan. 13.
Yarn beam mounting. J. Sirmay. 2,269,867; Jan. 13.
Yarn tensioning device. O. H. Pons. 2,269,550; Jan. 13.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 13, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 3: 2,269,744
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abraham & Straus, Inc., Brooklyn, N. Y. Women's and misses' blouses, sweaters, dresses, outer skirts, jackets, etc. Serial No. 447,605; Jan. 20. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial Nos. 447,414–15; Jan. 20. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 447,417; Jan. 20. Class 39.

American Bleached Goods Company, Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 448,215; Jan. 20. Class 42.

American Mineral Spirits Company, Chicago, Ill. Mixture of low boiling hydrocarbons suitable for use in rotogravure inks. Serial No. 439,917; Jan. 20. Class 11.

Ampco Manufacturing Company. (See Bales, Janet M.)

Apollo Studios. (See Rice's, Bernard, Sons, Inc.)

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. Serial No. 448,888; Jan. 20. Class 15.

Bales, Janet M., doing business as Ampco Manufacturing Company, Hollywood, Calif. Flush tank silencer. Serial No. 448,406; Jan. 20. Class 13.

Bendix Aviation Corporation, South Bend, Ind. Vehicle braking units. Serial No. 442,776; Jan. 20. Class 19.

Bromley, George W., doing business as Bromley Siding Company, Columbus, Ohio. Insulating brick, asbestos siding, and insulating board of wood, paper, or cane material. Serial No. 446,612; Jan. 20. Class 12.

Bush Aromatics, Inc., New York, N. Y. Perfumes, and natural and synthetic essential oils. Serial No. 448,900; Jan. 20. Class 6.

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. Serial Nos. 448,035–6; Jan. 20. Class 21.

Chesapeake Shoe Mfg. Co., The, Baltimore, Md. Children's, misses', and girls' shoes of leather and/or cloth. Serial No. 448,183; Jan. 20. Class 39.

Chicago Sun, The, Chicago, Ill. Newspaper. Serial No. 449,001; Jan. 20. Class 38.

Cleveland, Clarence E., Reading, Vt. Friction pad for use in tightening or loosening parts threaded or otherwise frictionally held together. Serial No. 448,218; Jan. 20. Class 50.

Comfy Manufacturing Company, The, Baltimore, Md. Textile slipcovers for upholstered furniture. Serial No. 449,002; Jan. 20. Class 32.

Conbro Products Co., New York, N. Y. Hair nets. Serial No. 447,630; Jan. 20. Class 39.

Consumers Oil & Belting Company, Inc., New York, N. Y. Lubricating oil. Serial No. 447,119; Jan. 20. Class 15.

Cosmata, Inc., Long Island City, N. Y. Soap. Serial No. 449,040; Jan. 20. Class 4.

Cowden Manufacturing Company, Kansas City, Mo. Shirt and trouser ensembles, overalls, pants, etc. Serial No. 447,227; Jan. 20. Class 39.

Dairy Association Company, Inc., Lyndonville, Vt. Composition of poke root and salt petre. Serial No. 448,285; Jan. 20. Class 6.

Decorators Wall Paper Co., St. Louis, Mo. Merchandise premium catalogues. Serial No. 443,323; Jan. 20. Class 37.

Dent, Allcroft & Co. Limited, London, England. Gloves. Serial No. 411,947; Jan. 20. Class 39.

De Pinna, A., Co., Inc., New York, N. Y. Girls' and children's dresses, hats, outerskirts, leather shoes, playsuits, coats, etc. Serial No. 448,095; Jan. 20. Class 39.

Diadem, Inc., Leominster, Mass. Combined comb and pin for securing hats, bows, ribbons, flowers, etc. Serial No. 448,287; Jan. 20. Class 40.

Duffy-Mott Company, Inc., New York, N. Y. White distilled vinegar, jelly, and marmalade. Serial No. 448,077; Jan. 20. Class 46.

Enteco Camera Accessories, New York, N. Y. Camera accessories. Serial No. 448,288; Jan. 20. Class 26.

En-Tout-Cas Company Limited, The, Leicester, England. Burnt clay used in the construction of tennis courts. Serial No. 446,022; Jan. 20. Class 12.

Ettelbrick Shoe Company, Greenup, Ill. Shoes. Serial No. 422,540; Jan. 20. Class 39.

Goldfarb, Sydney, doing business as Sydney Goldfarb & Co., Cincinnati, Ohio. Plain untreated wiping, polishing, and dusting cloths. Serial No. 443,360; Jan. 20. Class 29.

Goldsmith Bros., New York, N. Y. Canvas panels and roll canvas. Serial No. 442,163; Jan. 20. Class 50.

Grillo, Nicola, Brooklyn, N. Y. Blend of vegetable oil and olive oils. Serial No. 447,529; Jan. 20. Class 46.

Haskell, Charles C., & Co., Inc., Richmond, Va. Analgesic sedative tablets. Serial No. 448,792; Jan. 20. Class 6.

Hut Neckwear Co. Inc., New York, N. Y. Neckties and cravats. Serial No. 448,614; Jan. 20. Class 39.

Keith Paper Company, Turners Falls, Mass. Writing and printing paper. Serial No. 448,910; Jan. 20. Class 37.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial No. 448,143; Jan. 20. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial Nos. 448,145–50; Jan. 20. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial No. 448,153; Jan. 20. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial No. 448,156; Jan. 20. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. Serial Nos. 448,158–60; Jan. 20. Class 1.

Lorillard, P., Company, New York, N. Y. Cheeroots. Serial No. 448,324; Jan. 20. Class 17.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 448,195; Jan. 20. Class 46.

M & R Dietetic Laboratories, Inc., doing business as the Tan-B-Low Company, Columbus, Ohio. Condensed milk preparation for use in making ice cream and frozen desserts. Serial No. 447,613; Jan. 20. Class 46.

Martin, L., Company, Inc., The, New York, N. Y. Lampblack for use as an ink pigment. Serial No. 449,011; Jan. 20. Class 11.

Martin, L., Company, Inc., The, New York, N. Y. Lampblack for use as a paint pigment. Serial No. 449,012; Jan. 20. Class 16.

Massey, Louis E., Washington, D. C. Shoes. Serial No. 441,056; Jan. 20. Class 39.

McCurrach Organization Incorporated, New York, N. Y. Men's neckties and mufflers. Serial No. 448,514; Jan. 20. Class 39.

Miner, Read & Tullock, Inc., New Haven, Conn. Canned vegetables—namely, canned pumpkin. Serial No. 428,082; Jan. 20. Class 46.

Montana Flour Mills Company, Great Falls, Mont. Wheat flour. Serial No. 449,015; Jan. 20. Class 46.

Muckland Celery Company, Sarasota, Fla. Celery. Serial No. 448,917; Jan. 20. Class 46.

National Fabrics Corporation, New York, N. Y. Cotton, rayon, acetate, spun rayon and/or silk piece goods and combination thereof. Serial No. 448,226; Jan. 20. Class 42.

Newark Cheese Co., Inc., New York, N. Y. Cheese spread. Serial No. 449,209; Jan. 20. Class 46.

New York Evening Journal, Inc., New York, N. Y. Newspaper section or department. Serial No. 448,835; Jan. 20. Class 38.

Northern Straw Works, Inc., Philadelphia, Pa. Ladies' hats. Serial No. 446,976; Jan. 20. Class 39.

Orange-Crush Company, Chicago, Ill. Non-alcoholic, maltless beverages and concentrates and compounds for making the same. Serial No. 448,872; Jan. 20. Class 45.

Owen, Cliff C., doing business as Owen Drug Products, Salisbury, N. C. Preparation for the treatment of coughs and colds. Serial No. 448,948; Jan. 20. Class 6.

Owens Shoe Company, Salem, Mass. Boots, shoes, and slippers. Serial No. 425,528; Jan. 20. Class 39.

Pet Milk Company, St. Louis, Mo. Whole milk powder. Serial No. 442,562; Jan. 20. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paint, paint primers, varnishes, etc. Serial Nos. 449,100–1; Jan. 20. Class 16.

Pumicite Company, The, St. Louis, Mo. Dog food minerals. Serial No. 437,878; Jan. 20. Class 6.

Rhodes Plastic Products Inc., New York, N. Y. Garment hangers. Serial No. 447,712; Jan. 20. Class 50.

Rice's, Bernard, Sons, Inc., doing business as Apollo Studios and Apollo Silver Company, New York, N. Y. Sterling silver ware and silver and gold-plated hollowware, table-ware, etc. Serial No. 442,179; Jan. 20. Class 28.

Rogol Distributors, Inc., Brooklyn, N. Y. Combination of corn oil and peanut oil blended with olive oil. Serial No. 448,525; Jan. 20. Class 46.

Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors, and more particularly rum. Serial No. 448,683; Jan. 20. Class 49.

Rytex Company, The, Indianapolis, Ind. Writing paper and envelopes. Serial No. 447,827; Jan. 20. Class 37.

St. John, Sylvester L., Mansfield, Mass. Machinery for decorating ramie and other fiber bearing materials. Serial No. 445,510; Jan. 20. Class 23.

Sardamack Fisheries, Inc., Wilmington, Calif. Canned fish. Serial Nos. 448,955–6; Jan. 20. Class 46.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Boots and shoes and slippers. Serial No. 387,144; Jan. 20. Class 39.

Scully Signal Company, Cambridge and East Cambridge, Mass. Anti-siphoning theft guards for partially obstructing vehicle tank filler pipes. Serial No. 447,109; Jan. 20. Class 19.

Shoecraft, Inc., New York, N. Y. Women's, misses', and children's shoes made of leather, rubber, or fabric, etc. Serial No. 448,064; Jan. 20. Class 39.
Slifka, M., & Sons, New York, N. Y. Belts, suspenders, and garters. Serial No. 437,392; Jan. 20. Class 39.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mitts for mechanical workers. Serial No. 448,480; Jan. 20. Class 39.
Sollmann, Carl P., New York, N. Y. Wooden coaster sets. Serial No. 448,305; Jan. 20. Class 50.
Sollmann, Carl P., New York, N. Y. Wood ash trays and pipe racks. Serial No. 448,306; Jan. 20. Class 8.
Spry, Constance, Perfumeries Corporation, New York, N. Y. Perfume. Serial No. 448,784; Jan. 20. Class 6.
Stag Publishing Corporation, New York, N. Y. Magazine. Serial No. 448,806; Jan. 20. Class 38.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Silver polish. Serial No. 447,987; Jan. 20. Class 4.
Stedfast Rubber Company, Inc., Mattapan, Mass. Artificial leather. Serial No. 448,625; Jan. 20. Class 50.
Sylvania Industrial Corporation, Fredericksburg, Va. Plasticizers. Serial No. 448,841; Jan. 20. Class 6.
Tabby, Ltd., New York, N. Y. Detachable ornament holders for slide fastener tabs. Serial No. 440,104; Jan. 20. Class 13.
Tan-B-Low Company. (See M & R Dietetic Laboratories, Inc.)
Utica Knitting Company, Utica, N. Y. Knitted outer jackets made of wool, cotton, rayon, and other fibers. Serial No. 448,664; Jan. 20. Class 39.
Volitant Publishing Corporation, New York, N. Y. Magazine publication. Serial No. 449,196; Jan. 20. Class 38.
Whittemore, Chester L., Boston, Mass. Detachable safety reflectors to protect standing vehicles. Serial No. 437,394; Jan. 20. Class 34.
Wilson Jones Company, Chicago, Ill. Loose leaf binders. Serial No. 448,774; Jan. 20. Class 37.
Wolf & Dessauer Company, Fort Wayne, Ind. Topcoats, overcoats, raincoats, etc. Serial No. 442,295; Jan. 20. Class 39.
Yawman and Erbe Manufacturing Company, Rochester, N. Y. Index tabs. Serial No. 448,377; Jan. 20. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott & Cobb, Philadelphia, Pa. Vegetable seeds for planting. 392,935; Jan. 20; Serial No. 445,350; published Nov. 11, 1941. Class 1.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Ice skates, roller skates, sleds, wagons, etc. 392,965; Jan. 20; Serial No. 446,606; published Nov. 11, 1941. Class 22.
American Colloid Corporation, New York, N. Y. Emulsifying and degreasing solvents. 392,933; Jan. 20; Serial No. 445,191; published Sept. 30, 1941. Class 4.
American Edible Oil Co., Inc., Brooklyn, N. Y. Peanut oil. 392,897; Jan. 20; Serial No. 434,166; published Nov. 11, 1941. Class 46.
Andrews, Norris, Exeter, Calif. Fresh fruits—namely, fresh grapes. 392,959; Jan. 20; Serial No. 446,480; published Nov. 11, 1941. Class 46.
Arrow Distilleries, Inc., Detroit, Mich. Liqueurs. 392,964; Jan. 20; Serial No. 446,717; published Oct. 28, 1941. Class 49.
Arrow Distilleries, Inc., Detroit, Mich. Liqueurs. 392,966; Jan. 20; Serial No. 446,719; published Oct. 28, 1941. Class 49.
Atkinson Milling Company, doing business as Cor-O-Wheat Company, Minneapolis, Minn. Wheat germ. 392,898; Jan. 20; Serial No. 434,305; published Aug. 12, 1941. Class 46.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Brandy. 392,963; Jan. 20; Serial No. 446,686; published Oct. 28, 1941. Class 49.
Averill, George G., doing business as Geo. G. Averill, San Pedro and Holtville, Calif. Fresh lettuce, carrots, and cabbage. 392,921; Jan. 20; Serial No. 444,064; published Aug. 12, 1941. Class 46.
Ballantine, George, & Son, Limited, Dumbarton, Scotland. Whisky. 392,907; Jan. 20; Serial No. 441,599; published Nov. 4, 1941. Class 49.
Banner Packing Co. (See General Laboratories, Inc.)
Berry, Ansel P., doing business as Farr Company, Fort Lauderdale, Fla. Carbonated beverages sold as soft drinks. 392,975; Jan. 20; Serial No. 446,961; published Nov. 11, 1941. Class 45.
Bianchini, Férier, Inc., New York, N. Y. Piece goods. 392,954; Jan. 20; Serial No. 446,382; published Nov. 11, 1941. Class 42.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 392,971; Jan. 20; Serial No. 446,857; published Nov. 11, 1941. Class 23.
Bon Marche. (See Allied Stores Corporation.)
Brockmann, Harry J., doing business as Harry Brockmann & Co., Overland, Mo. Mixture of a major amount of butter and a lesser amount of chocolate. 392,999; Jan. 20. Class 46.
California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Refined sugars. 393,004; Jan. 20. Class 46.
Central Soya Company, Inc., doing business as the McMillen Feed Mills, Fort Wayne, Ind. Dog food. 392,990; Jan. 20; Serial No. 447,321; published Nov. 11, 1941. Class 46.
Chautauqua Cabinet Company, doing business as Kling Factories, Mayville, N. Y. Bedroom furniture—namely, dressers, chests, vanities, beds, chests on chests, etc. 392,977; Jan. 20; Serial No. 446,988; published Nov. 11, 1941. Class 32.
Cia Licorera Julia. (See Julia, Angel P.)
Cohen, Goldman & Co., Inc., New York, N. Y. Men's, boys', and children's outer garments. 392,902; Jan. 20; Serial No. 437,809; published Feb. 4, 1941. Class 39.
Colcombet, Inc., also doing business as Colcombet Cellars, San Francisco, Calif. Wines. 393,014; Jan. 20. Class 47.
Container Corporation of America, Chicago, Ill. Thermoplastic compositions. 393,011; Jan. 20. Class 50.
Cooper Corporation, North Hollywood, Calif. Mops. 392,951; Jan. 20; Serial No. 446,191; published Nov. 11, 1941. Class 29.
Cor-O-Wheat Company. (See Atkinson Milling Company.)
Cowles, Delavan. (See Cross, Walter C.)
Crescent Nut & Chocolate Co., Philadelphia, Pa. Peanut butter. 392,972; Jan. 20; Serial No. 446,864; published Nov. 11, 1941. Class 46.
Cross, Walter C., and Delavan Cowles, Portsmouth, Va. Booklets and pamphlets. 392,997; Jan. 20. Class 38.
Dexter Company, The, Fairfield, Iowa. Laundry washing machines. 392,930; Jan. 20; Serial No. 445,007; published Oct. 28, 1941. Class 24.
Di-Noc Manufacturing Company, The, Cleveland, Ohio. Decorative coated paper, employed as surfacing media. 392,920; Jan. 20; Serial No. 443,599; published Nov. 11, 1941. Class 37.
Distilled Liquors Import Co., Inc., New York, N. Y. Wines. 392,922; Jan. 20; Serial No. 444,177; published Oct. 21, 1941. Class 47.
Dow Chemical Company, The, Midland, Mich. Polymerized styrene. 392,895; Jan. 20; Serial No. 427,887; published Apr. 2, 1940. Class 1.
Drink Mor Beverage Company, Wilkes-Barre, Pa. Non-alcoholic, maltless, carbonated beverages. 392,955–6; Jan. 20; Serial Nos. 446,419–20; published Nov. 11, 1941. Class 45.
Edwards and Company, Inc., Norwalk, Conn. Casings and shields made of molded composition forming part or parts of signaling apparatus. 392,979; Jan. 20; Serial No. 447,043; published Nov. 11, 1941. Class 21.
Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. 392,948; Jan. 20; Serial No. 446,105; published Nov. 11, 1941. Class 21.
Enterprise Manufacturing Company, The, Akron, Ohio. Fish lure. 392,993; Jan. 20; Serial No. 447,451; published Nov. 11, 1941. Class 22.
Esmond Mills, Inc., The, Esmond, R. I. Woven bed blankets made of wool, rayon, and cotton. 392,934; Jan. 20; Serial No. 445,264; published Nov. 11, 1941. Class 42.
Exeter Fruit Association, Exeter, Calif. Fresh fruits—namely, fresh grapes. 392,984; Jan. 20; Serial No. 447,202; published Nov. 11, 1941. Class 46.
Farr Company. (See Berry, Ansel P.)
Feed Division, Blue Earth Rendering Co. (See Kark, Emil.)
Feldman, David, doing business as General Vault Products Company, Cincinnati, Ohio. Compound or preparation for cleaning, polishing, and preserving bank vault metal. 392,967–8; Jan. 20; Serial Nos. 446,734–5; published Nov. 11, 1941. Class 4.
Floral Water Pick Company. (See Seidel, Charles.)
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 392,985–6; Jan. 20; Serial Nos. 447,204–5; published Nov. 11, 1941. Class 42.
Foundation Products, Kansas City, Mo. Dry enrichener for sweet rolls and other pastries, etc. 393,005; Jan. 20. Class 46.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Prepared mustard. 392,973; Jan. 20; Serial No. 446,913; published Nov. 11, 1941. Class 46.
Fusion Engineering. (See Williams, Harold R.)
Garay & Co., Inc., New York, N. Y. Bags, and belt and handbag combinations for wear by ladies. 392,903–4; Jan. 20; Serial Nos. 439,540–1; published Nov. 11, 1941. Class 3.
General Aniline & Film Corporation, New York, N. Y. Light-sensitive films and papers for photocopying purposes and prints made by means thereof. 392,983; Jan. 20; Serial No. 447,101; published Nov. 11, 1941. Class 26.

General Laboratories, Inc., doing business as Banner Packing Co., Des Moines, Iowa. Canned dog food. 392,957; Jan. 20; Serial No. 446,424; published Nov. 11, 1941. Class 46.
General Vault Products Company. (See Feldman, David.)
Gibson Good Tools, Inc., Orange, Mass. Clips for attachment to a wall or the like and for releasably holding various articles such as brooms, mops, etc. 393,022; Jan. 20. Class 13.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tire casings composed of fabric and rubber. 392,992; Jan. 20; Serial No. 447,373; published Nov. 11, 1941. Class 35.
Hardie Manufacturing Company, The, Hudson, Mich. Hand and mechanical sprayers and spraying and disinfecting devices and systems for horticultural, agricultural, mosquito control, etc. 393,013; Jan. 20. Class 23.
Hauge, Arthur, San Francisco, Calif. Biscuits. 393,012; Jan. 20. Class 46.
Hawaii Publishing Company, The. (See Luter, George W.)
Hermanos, Benegas, y Compañía Limitada Sociedad Anónima Industrial y Comercial, Buenos Aires, Argentina. Wines. 392,945; Jan. 20; Serial No. 445,915; published Oct. 21, 1941. Class 47.
Hermanos, Peters, Compañia Comercial é Industrial S. A., Buenos Aires, Argentina. Wines and vermuth. 392,908; Jan. 20; Serial No. 441,709; published Oct. 21, 1941. Class 47.
Hermanos, Peters, Compañia Comercial é Industrial S. A., Buenos Aires, Argentina. Alcoholic bitters, aperitives, liqueurs, etc. 392,909; Jan. 20; Serial No. 441,710; published Oct. 21, 1941. Class 49.
Huey, Lee E., doing business as Huey Seed Company, Carthage, Ill. Field and garden seeds and hybrid seed corn. 393,017; Jan. 20. Class 1.
I. B. C. Root Beer Company, St. Louis, Mo. Non-intoxicating, non-alcoholic, non-cereal maltless beverages, and syrups. 392,962; Jan. 20; Serial No. 446,656; published Nov. 11, 1941. Class 45.
International Distributors, Memphis, Tenn. Self vulcanizing tire tube patches. 392,976; Jan. 20; Serial No. 446,969; published Nov. 11, 1941. Class 35.
International Salt Company, Inc., Scranton, Pa. Table salt. 392,910; Jan. 20; Serial No. 441,770; published Nov. 11, 1941. Class 46.
International Telephone Development Co. Inc., New York, N. Y. Selenium photocells. 392,899; Jan. 20; Serial No. 435,360; published Nov. 11, 1941. Class 21.
Isreal, Leon, & Bros. Inc., New York, N. Y. Green coffee in bulk. 392,905; Jan. 20; Serial No. 439,754; published Nov. 11, 1941. Class 46.
James Manufacturing Company, Fort Atkinson, Wis. Poultry equipment—namely, battery brooders, laying cages, and laying nests. 392,942; Jan. 20; Serial No. 445,693; published Nov. 11, 1941. Class 50.
Johns-Manville Corporation, New York, N. Y. Plastic sealing compound for sealing cables, ducts, conduits, and the like. 392,900; Jan. 20; Serial No. 437,312; published Nov. 11, 1941. Class 12.
Johns-Manville Corporation, New York, N. Y. Plastic oil resisting sealing compound. 392,913; Jan. 20; Serial No. 442,068; published Nov. 11, 1941. Class 12.
Johnson Gauge Company, Chicago, Ill. Gauge for determining the water content in a tank or container of gasoline. 392,953; Jan. 20; Serial No. 446,324; published Nov. 11, 1941. Class 26.
Julia, Angel P., doing business as Cia Licorera Julia, Santurce, P. R. Rum. 392,947; Jan. 20; Serial No. 445,989; published Oct. 21, 1941. Class 49.
Kark, Emil, doing business as Feed Division, Blue Earth Rendering Co., Blue Earth, Minn. Feeds for animals and fowls and particularly for poultry supplement, etc. 393,007; Jan. 20. Class 46.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 392,901; Jan. 20; Serial No. 437,381; published Nov. 11, 1941. Class 11.
Kelly Brothers Company, Minneapolis, Minn. Whiskey. 393,008; Jan. 20. Class 49.
Kling Factories. (See Chautauqua Cabinet Company.)
Korman, Murray, New York, N. Y. Photographs and photographic prints. 392,923; Jan. 20; Serial No. 444,342; published Nov. 4, 1941. Class 38.
Kraeft, Paul F., Jersey City, N. J. Burnishing machines. 393,010; Jan. 20. Class 23.
Last Restyling Company, Inc., Stoughton, Mass. Wooden shoe lasts. 392,941; Jan. 20; Serial No. 445,658; published Nov. 11, 1941. Class 50.
Le Roi Company, West Allis, Wis. International combustion engines, air or gas compressors, and parts thereof. 392,952; Jan. 20; Serial No. 446,275; published Nov. 11, 1941. Class 23.
Lloyds, Stuart, Ltd., Philadelphia, Pa., and St. Thomas, V. I. Rum. 392,961; Jan. 20; Serial No. 446,601; published Oct. 28, 1941. Class 49.
Lodi Winery, Inc., Lodi, Calif. Wines. 392,943; Jan. 20; Serial No. 445,850; published Oct. 28, 1941. Class 47.
Lucas, John, and Company, Incorporated, Philadelphia, Pa. Color chart drawings. 393,006; Jan. 20. Class 38.
Luter, George W., doing business as The Hawaii Publishing Company, Honolulu, T. H. Periodical. 393,016; Jan. 20. Class 38.
Maccaferri, Mario, New York, N. Y. Reeds and mouthpieces for musical instruments, clarinet, saxophone, and like instrumeuts and accessories. 392,949; Jan. 20; Serial No. 446,168; published Nov. 11, 1941. Class 36.
Marco Company, Inc., Philadelphia, Pa. Transfer pumps, homogenizers, grinders, disintegrators, emulsors, and parts therefor. 392,980; Jan. 20; Serial No. 447,045; published Nov. 11, 1941. Class 23.
Market Record, Inc., The, Chicago, Ill. Publication. 393,002; Jan. 20. Class 38.
Marking Devices Publishing Company, Chicago, Ill. Monthly magazine. 393,018; Jan. 20. Class 38.
Marshall Field & Company, Chicago, Ill. Correspondence paper, cards, and envelopes. 393,019; Jan. 20. Class 37.
McMillen Feed Mills. (See Central Soya Company.)
Meier's Wine Cellars Inc., Silverton, Ohio. Wines—namely, sauterne, sherry, pale dry sherry, etc. 392,938; Jan. 20; Serial No. 445,527; published Nov. 4, 1941. Class 47.
Methodist Book Concern, The, Cincinnati, Ohio. Books, pamphlets, and magazines. 392,998; Jan. 20. Class 38.
Midwest Naturlite Company. (See Rogers, Carroll J.)
Miller Manufacturing Company, Camden, N. J. Adhesives—namely, putty cement. 393,001; Jan. 20. Class 5.
Millsite Steel & Wire Works, Inc., Howell, Mich. Fish baits. 392,994; Jan. 20; Serial No. 447,466; published Nov. 11, 1941. Class 22.
Minnesota and Ontario Paper Company, The, Minneapolis, Minn. Kraft paper, newsprint paper, halftone paper, etc. 392,892; Jan. 20; Serial No. 416,471; published May 16, 1939. Class 37.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. 393,015; Jan. 20. Class 47.
National Biscuit Company, New York, N. Y. House publication. 392,944; Jan. 20; Serial No. 445,855; published Nov. 4, 1941. Class 38.
National By-Products, Inc., doing business as National Soap and Refining Co., Des Moines, Iowa. Soaps. 392,970; Jan. 20; Serial No. 446,842; published Nov. 11, 1941. Class 4.
National Enameling & Stamping Company, Milwaukee, Wis. Electrical roasting, broiling, cooking, and baking appliances. 392,958; Jan. 20; Serial No. 446,436; published Nov. 11, 1941. Class 21.
National Soap and Refining Co. (See National By-Products, Inc.)
Norris and Alexander, Inc., Deland, Fla. Canned citrus fruit juices. 392,946; Jan. 20; Serial No. 445,954; published Nov. 11, 1941. Class 46.
Page & Hill Co., Minneapolis, Minn. Treated poles for the support of power lines and communication lines. 392,940; Jan. 20; Serial No. 445,614; published Nov. 11, 1941. Class 12.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour, pancake flour, wheat bran, etc. 392,893–4; Jan. 20; Serial Nos. 420,967–8; published Nov. 11, 1941. Class 46.
Prosperity California Wines. (See Mutascio, Joseph.)
Quigley Company, Inc., New York, N. Y. Cleaning compound in the form of soap cake. 392,969; Jan. 20; Serial No. 446,782; published Nov. 11, 1941. Class 4.
Recoton Corporation, Long Island City, N. Y. Phonograph-needles. 392,925; Jan. 20; Serial No. 444,684; published Nov. 11, 1941. Class 36.
Reid Hybrid Corn Company, Anamosa, Iowa. Hybrid seed corn. 393,003; Jan. 20. Class 1.
Remington Rand Inc., Buffalo, N. Y. File folders. 392,906; Jan. 20; Serial No. 441,368; published Nov. 11, 1941. Class 37.
Rich, John D., Chicago and Saunemin, Ill. Canned fruits and vegetables. 392,928; Jan. 20; Serial No. 444,979; published Nov. 11, 1941. Class 46.
Rogers, Carroll J., doing business as Midwest Naturlite Company, Chicago, Ill. Fluorescent electric and incandescent desk lamps. 392,932; Jan. 20; Serial No. 445,158; published Nov. 11, 1941. Class 21.
Roma Wine Company, Inc., Fresno, Calif. Wines. 393,009; Jan. 20. Class 47.
Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables—namely, fresh lettuce. 392,960; Jan. 20; Serial No. 446,596; published Nov. 11, 1941. Class 46.
Sandolator Corporation, Boston, Mass. Sand adapted to be used with motor vehicle sanding devices. 393,000; Jan. 20. Class 1.
Save Electric Corporation, Toledo, Ohio. Electric incandescent lamps. 392,978; Jan. 20; Serial No. 447,004; published Nov. 11, 1941. Class 21.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Company, San Francisco, Calif. Canned fruits and vegetables. 392,987; Jan. 20; Serial No. 447,255; published Nov. 11, 1941. Class 46.
Searle, G. D., & Co., Chicago, Ill. Medicinal and pharmaceutical proparations—namely, aminophyllin granules, tablets, powders and ampuls, etc. 393,021; Jan. 20. Class 6.
Seidel, Charles, doing business as Floral Water Pick Company, Milwaukee, Wis. Receptacle for flowers. 392,996; Jan. 20. Class 2.
Simpson & Barker, Inc., St. Louis, Mo. Whiskey. 392,919; Jan. 20; Serial No. 443,173; published Oct. 21, 1941. Class 49.

Staley, A. E., Manufacturing Company, Decatur, Ill. Glucose. 392,989; Jan. 20; Serial No. 447,316; published Nov. 11, 1941. Class 46.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gasoline, lubricating oils, and greases. 392,939; Jan. 20; Serial No. 445,589; published Nov. 11, 1941. Class 15.
Stecher-Traung Lithograph Corporation, Rochester, N. Y. Specially finished lithographed sheets, cardboard, and papers in sheet and roll form. 392,927; Jan. 20; Serial No. 444,918; published Nov. 11, 1941. Class 37.
Stire, John S., Abita Springs, La. Soft drinks. 392,981–2; Jan. 20; Serial Nos. 447,080–1; published Nov. 11, 1941. Class 45.
Straub, W. F., & Company, Chicago, Ill. Olive oil, sandwich spread, salad dressing, etc. 392,988; Jan. 20; Serial No. 447,257; published Nov. 11, 1941. Class 46.
Sunnyvale Packing Company (See Schuckl & Co., Inc.)
Syracuse Ornamental Co., Syracuse, N. Y. Combination tray, non-automatic playing card dispenser, and box for holding playing cards. 392,936; Jan. 20; Serial No. 445,481; published Nov. 11, 1941. Class 2.
Taylor Wine Company, The, Hammondsport, N. Y. Champagne wines. 392,914; Jan. 20; Serial No. 442,434; published Oct. 21, 1941. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Vermouth wines. 392,915; Jan. 20; Serial No. 442,435; published Oct. 21, 1941. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 392,916; Jan. 20; Serial No. 442,436; published Oct. 21, 1941. Class 47.
Taylor Wine Company The, Hammondsport, N. Y. Vermouth wines. 392,917; Jan. 20; Serial No. 442,437; published Oct. 21, 1941. Class 47.
Thompson Products, Incorporated, Cleveland, Ohio. Vehicle tie rods, spring shackles, automobile drag links, starting cranks, airplane parts, etc. 393,020; Jan. 20. Class 19.
Titcomb, H. H., Concord, Calif. Fresh deciduous fruits—namely, pears 392,991; Jan. 20; Serial No. 447,349; published Nov. 11, 1941. Class 46.
United Feature Syndicate, Inc., New York, N. Y. Comic publication appearing monthly. 392,926; Jan 20; Serial No. 444,744; published Oct. 28, 1941. Class 38.
Urban, George, Milling Company, Buffalo, N. Y. Wheat flour. 392,950; Jan. 20; Serial No. 446,187; published Nov. 11, 1941. Class 46.
Ventura Pacific Co., Montalvo, Calif. Fresh citrus fruit. 392,974; Jan. 20; Serial No. 446,932; published Nov. 11, 1941. Class 46.
Waltham Bag & Paper Company, Waltham, Mass. Paper bags and paper boxes. 392,995; Jan. 20. Class 2.
Welsh Manufacturing Company, Providence, R. I. Swimming goggles. 392,924; Jan. 20; Serial No. 444,366; published Nov. 11, 1941. Class 26.
Wesco Waterpaints, Inc., Berkeley, Calif. Paints—viz., water paints in dry powder form. 392,911; Jan. 20; Serial No. 441,892; published Nov. 11, 1941. Class 16.
Wesco Waterpaints, Inc., Berkeley, Calif. Size and adhesive for wall coverings in paste form. 392,912; Jan. 20; Serial No. 441,896; published Nov. 11, 1941. Class 5.
White, H. Kirk, and Company, Oconomowoc, Wis. Paints in ready mixed form and paint enamels. 392,931; Jan. 20; Serial No. 445,075; published Nov. 11, 1941. Class 16.
White-Rodgers Electric Company, St. Louis, Mo. Timers, thermostatic hot water controls and draft controls for application to heating control. 392,896 Jan. 20; Serial No. 432,626; published Nov. 11, 1941. Class 26.
Williams, Harold R., doing business as Fusion Engineering, Cleveland, Ohio. Solder. 392,937; Jan. 20; Serial No. 445,514; published Nov. 11, 1941. Class 14.
Williams, J. B., Company, The, Glastonbury, Conn. Razor blades. 392,918; Jan. 20; Serial No. 443,097; published Nov. 11, 1941. Class 23.
Winthrop's Vacuum Cleaner Corp., Paterson, N. J. Electric vacuum cleaners. 392,929; Jan. 20; Serial No. 445,000; published Nov. 11, 1941. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Sand to be used with motor vehicle sanding devices. Sandolator Corporation. 393,000; Jan. 20.
Seed corn, Hybrid. Reid Hybrid Corn Company. 393,003; Jan. 20.
Seeds and hybrid seed corn, Field and garden. L. E. Huey. 393,017; Jan. 20.
Seeds for planting, Vegetable. Abbott & Cobb. 392,935; Jan. 20; Serial No. 445,350; published Nov. 11, 1941.
Styrene, Polymerized. Dow Chemical Company. 392,895; Jan. 20; Serial No. 427,887; published Apr. 2, 1940.

CLASS 2

Bags and boxes, Paper. Waltham Bag & Paper Company. 392,995; Jan. 20.
Receptacle for flowers. C. Seidel. 392,996; Jan. 20.
Tray, non-automatic playing card dispenser, and box for holding playing cards. Syracuse Ornamental Co. 392,936; Jan. 20; Serial No. 445,481; published Nov. 11, 1941.

CLASS 3

Bags, and belt and handbag combinations. Garey & Co. 392,903–4; Jan. 20; Serial Nos. 439,540–1; published Nov. 11, 1941.

CLASS 4

Cleaning compound in the form of soap cake. Quigley Company. 392,969; Jan. 20; Serial No. 446,782; published Nov. 11, 1941.
Compound or preparation for cleaning, polishing, and preserving bank vault metal. D. Feldman. 392,967–8; Jan. 20; Serial Nos. 446,734–5; published Nov. 11, 1941.
Emulsifying and degreasing solvents. American Colloid Corporation. 392,933; Jan. 20; Serial No. 445,191; published Sept. 30, 1941.
Soaps. National By-Products, Inc. 392,970; Jan. 20; Serial No. 446,842; published Nov. 11, 1941.

CLASS 5

Adhesives—namely, putty cements. Miller Manufacturing Company. 393,001; Jan. 20.
Size and adhesive for wall coverings in paste form. Wesco Waterpaints, Inc. 392,912; Jan. 20; Serial No. 441,896; published Nov. 11, 1941.

CLASS 6

Medicinal and pharmaceutical preparations. G. D. Searle & Co. 393,021; Jan. 20.

CLASS 11

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 392,901; Jan. 20; Serial No. 437,381; published Nov. 11, 1941.

CLASS 12

Poles for the support of power lines and communication lines, Treated. Page & Hill Co. 392,940; Jan. 20; Serial No. 445,614; published Oct. 16, 1941.
Sealing compound for sealing cables, ducts, conduits and the like, Plastic. Johns-Manville Corporation. 392,900; Jan. 20; Serial No. 437,312; published Nov. 11, 1941.
Sealing compound, Plastic oil resisting. Johns-Manville Corporation. 392,913; Jan. 20; Serial No. 442,068; published Nov. 11, 1941.

CLASS 13

Clips for attachments to a wall or the like, etc. Gibson Good Tools, Inc. 393,022; Jan. 20.

CLASS 14

Solder. H. R. Williams. 392,937; Jan. 20; Serial No. 445,514; published Nov. 11, 1941.

CLASS 15

Gasoline, lubricating oils, and greases. Standard Oil Company of California. 392,939; Jan. 20; Serial No. 445,589; published Nov. 11, 1941.

CLASS 16

Paints in ready mixed form and paint enamels. H. Kirk White and Company. 392,931; Jan. 20; Serial No. 445,075; published Nov. 11, 1941.
Paints—viz., water paints in dry powder form. Wesco Waterpaints, Inc. 392,911; Jan. 20; Serial No. 441,892; published Nov. 11, 1941.

CLASS 19

Vehicle tie rods, spring shackles, automobile drag links, etc. Thompson Products, Incorporated. 393,020; Jan. 20.

CLASS 21

Casings and shields forming part or parts of signaling apparatus. Edwards and Company, Inc. 392,979; Jan. 20; Serial No. 447,043; published Nov. 11, 1941.
Electrical roasting, broiling, cooking and baking appliances. National Enameling & Stamping Company. 392,958; Jan. 20; Serial No. 446,436; published Nov. 11, 1941.
Lamps, Electric incandescent. Save Electric Corporation. 392,978; Jan. 20; Serial No. 447,004; published Nov. 11, 1941.
Lamps, Fluorescent electric and incandescent desk. C. J. Rogers. 392,932; Jan. 20; Serial No. 445,158; published Nov. 11, 1941.
Photocells, Selenium. International Telephone Development Co. 392,899; Jan. 20; Serial No. 435,360; published Nov. 11, 1941.

Vacuum cleaners and parts thereof, Electric. Electric Vacuum Cleaner Company, Inc. 392,948; Jan. 20; Serial No. 446,105; published Nov. 11, 1941.
Vacuum cleaners, Electric. Winthrop's Vacuum Cleaner Corp. 392,929; Jan. 20; Serial No. 445,000; published Nov. 11, 1941.

CLASS 22

Fish baits. Millsite Steel & Wire Works, Inc. 392,994; Jan. 20; Serial No. 447,466; published Nov. 11, 1941.
Fish lure. Enterprise Manufacturing Company. 392,993; Jan. 20; Serial No. 447,451; published Nov. 11, 1941.
Ice skates, roller skates, sleds, etc. Allied Stores Corporation. 392,965; Jan. 20; Serial No. 446,606; published Nov. 11, 1941.

CLASS 23

Burnishing machines. P. F. Kraeft. 393,010; Jan. 20.
Internal combustion engines, air or gas compressors, and parts thereof. Le Roi Company. 392,952; Jan. 20; Serial No. 446,275; published Nov. 11, 1941.
Pumps, homogenizers, grinders, etc. Marco Company. 392,980; Jan. 20; Serial No. 447,045; published Nov. 11, 1941.
Razor blades. J. B. Williams Company. 392,918; Jan. 20; Serial No. 443,097; published Nov. 11, 1941.
Sprayers and spraying and disinfecting devices and systems, etc., Hand and mechanical. Hardie Manufacturing Company. 393,013; Jan. 20.
Sweeper, Carpet. Bissell Carpet Sweeper Co. 392,971; Jan. 20; Serial No. 446,857; published Nov. 11, 1941.

CLASS 24

Laundry washing machines. Dexter Company. 392,930; Jan. 20; Serial No. 445,007; published Oct. 28, 1941.

CLASS 26

Films and papers for photocopying and prints made by means thereof, Light-sensitive. General Aniline & Film Corporation. 392,983; Jan. 20; Serial No. 447,101; published Nov. 11, 1941.
Gauge for determining the water content in a tank or container of gasoline. Johnson Gauge Company. 392,953; Jan. 20; Serial No. 446,324; published Nov. 11, 1941.
Goggles, Swimming. Welsh Manufacturing Company. 392,924; Jan. 20; Serial No. 444,366; published Nov. 11, 1941.
Timers, thermostatic hot water controls, and draft control for application to heating control. White-Rodgers Electric Company. 392,896; Jan. 20; Serial No. 432,626; published Nov. 11, 1941.

CLASS 29

Mops. Cooper Corporation. 392,951; Jan. 20; Serial No. 446,191; published Nov. 11, 1941.

CLASS 32

Furniture, Bedroom. Chautauqua Cabinet Company. 392,977; Jan. 20; Serial No. 446,988; published Nov. 11, 1941.

CLASS 35

Tire casings composed of fabric and rubber, Pneumatic. B. F. Goodrich Company. 392,992; Jan. 20; Serial No. 447,373; published Nov. 11, 1941.
Tire tube patches, Self vulcanizing. International Distributers. 392,976; Jan. 20; Serial No. 446,969; published Nov. 11, 1941.

CLASS 36

Phonograph-needles. Recoton Corporation. 392,925; Jan. 20; Serial No. 444,684; published Nov. 11, 1941.
Reeds and mouthpieces for musical instruments, clarinet, saxophone, etc. M. Maccaferri. 392,949; Jan. 20; Serial No. 446,168; published Nov. 11, 1941.

CLASS 37

File folders. Remington Rand Inc. 392,906; Jan. 20; Serial No. 441,368; published Nov. 11, 1941.
Lithographed sheets, cardboard and papers in sheet and roll form, Specially finished. Stecher-Traung Lithograph Corporation. 392,927; Jan. 20; Serial No. 444,918; published Nov. 11, 1941.
Paper, cards, and envelopes, Correspondence. Marshall Field & Company. 393,019; Jan. 20.
Paper, employed as surfacing media, Decorative coated. Di-Noc Manufacturing Company. 392,920; Jan. 20; Serial No. 443,599; published Nov. 11, 1941.
Paper, newsprint paper, halftone paper, etc., Kraft. Minnesota and Ontario Paper Company. 392,892; Jan. 20; Serial No. 416,471; published May 16, 1939.

CLASS 38

Booklets and pamphlets. W. C. Cross and D. Cowles. 392,997; Jan. 20.
Books, pamphlets, and magazines. Methodist Book Concern. 392,998; Jan. 20.
Chart drawings, Color. John Lucas and Company. 393,006; Jan. 20.
Magazine. Marking Devices Publishing Company. 393,018; Jan. 20.
Periodical. G. W. Luter. 393,016; Jan. 20.
Photographs and photographic prints. M. Korman. 392,923; Jan. 20; Serial No. 444,342; published Nov. 4, 1941.
Publication, Market Record, Inc. 393,002; Jan. 20.
Publication, Comic. United Feature Syndicate, Inc. 392,926; Jan. 20; Serial No. 444,744; published Oct. 28, 1941.
Publication, House. National Biscuit Company. 392,944; Jan. 20; Serial No. 445,855; published Nov. 4, 1941.

CLASS 39

Garments, Outer. Cohen, Goldman & Co. 392,902; Jan. 20; Serial No. 437,809; published Feb. 4, 1941.

CLASS 42

Blankets made of wool, rayon, and cotton, Woven bed. Esmond Mills, Inc. 392,934; Jan. 20; Serial No. 445,264; published Nov. 11, 1941.
Piece goods. Bianchini, Férier, Inc. 392,954; Jan. 20; Serial No. 446,382; published Nov. 11, 1941.
Piece goods, Woolen. Forstmann Woolen Co. 392,985–6; Jan. 20; Serial Nos. 447,204–5; published Nov. 11, 1941.

CLASS 45

Beverages, and syrups, Non-intoxicating, non-alcoholic, non-cereal, maltless. I. B. C. Root Beer Company. 392,992; Jan. 20; Serial No. 446,656; published Nov. 11, 1941.
Beverages, Carbonated. A. P. Berry. 392,975; Jan. 20; Serial No. 446,961; published Nov. 11, 1941.
Beverages, non-alcoholic, maltless, carbonated. Drink Mor Beverage Company. 392,955–6; Jan. 20; Serial Nos. 446,419–20; published Nov. 11, 1941.
Soft drinks. J. S. Stire. 392,981–2; Jan. 20; Serial Nos. 447,080–1; published Nov. 11, 1941.

CLASS 46

Biscuits. A. Hauge. 393,012; Jan. 20.
Canned citrus fruit juices. Norris and Alexander, Inc. 392,946; Jan. 20; Serial No. 445,954; published Nov. 11, 1941.
Canned dog food. General Laboratories, Inc. 392,957; Jan. 20; Serial No. 446,424; published Nov. 11, 1941.
Canned fruits and vegetables. J. D. Rich. 392,928; Jan. 20; Serial No. 444,979; published Nov. 11, 1941.
Canned fruits and vegetables. Schuckl & Co. 392,987; Jan. 20; Serial No. 447,255; published Nov. 11, 1941.
Coffee in bulk, Green. Leon Isreal & Bros. Inc. 392,905; Jan. 20; Serial No. 439,754; published Nov. 11, 1941.
Enrichener for sweet rolls and other pastries, Dry. Foundation Products. 393,005; Jan. 20.
Feeds for animals and fowls and particularly for poultry. E. Kark. 393,007; Jan. 20.
Flour, pancake flour, wheat bran, etc. Pillsbury Flour Mills Company. 392,893–4; Jan. 20; Serial Nos. 420,967–8; published Nov. 11, 1941.
Flour, Wheat. George Urban Milling Company. 392,950; Jan. 20; Serial No. 446,187; published Nov. 11, 1941.
Food, Dog. Central Soya Company. 392,990; Jan. 20; Serial No. 447,321; published Nov. 11, 1941.
Fruit, Fresh citrus. Ventura Pacific Co. 392,974; Jan. 20; Serial No. 446,932; published Nov. 11, 1941.
Fruit—namely, fresh grapes, Fresh. Exeter Fruit Association. 392,984; Jan. 20; Serial No. 447,202; published Nov. 11, 1941.
Fruits—namely, fresh grapes, Fresh. N. Andrews. 392,959; Jan. 20; Serial No. 446,480; published Nov. 11, 1941.
Fruits—namely, pears, Fresh deciduous. H. H. Titcomb. 392,991; Jan. 20; Serial No. 447,349; published Nov. 11, 1941.
Glucose. A. E. Staley Manufacturing Company. 392,989; Jan. 20; Serial No. 447,316; published Nov. 11, 1941.
Lettuce, carrots, and cabbage, Fresh. G. G. Averill. 392,921; Jan. 20; Serial No. 444,064; published Aug. 12, 1941.
Mixture of butter and chocolate. H. J. Brockmann. 392,999; Jan. 20.
Mustard, Prepared. Frank Tea & Spice Company. 392,973; Jan. 20; Serial No. 446,913; published Nov. 11, 1941.
Olive oil, sandwich spread, salad dressing, etc. W. F. Straub & Company. 392,988; Jan. 20; Serial No. 447,257; published Nov. 11, 1941.
Peanut butter. Crescent Nut & Chocolate Co. 392,972; Jan. 20; Serial No. 446,864; published Nov. 11, 1941.
Peanut oil. American Edible Oil Co. 392,897; Jan. 20; Serial No. 434,166; published Nov. 11, 1941.
Salt, Table. International Salt Company. 392,910; Jan. 20; Serial No. 441,770; published Nov. 11, 1941.
Sugar, Refined. California and Hawaiian Sugar Refining Corporation. 393,004; Jan. 20.
Vegetables—namely, fresh lettuce, Fresh. Salinas Valley Vegetable Exchange. 392,960; Jan. 20; Serial No. 446,596; published Nov. 11, 1941.
Wheat germ. Atkinson Milling Company. 392,898; Jan. 20; Serial No. 434,305; published Aug. 12, 1941.

CLASS 47

Wines. Benegas Hermanos y Compañía Limitada Sociedad Anónima Industrial y Comercial. 392,945; Jan. 20; Serial No. 445,915; published Oct. 21, 1941.

Wines. Colcombet, Inc. 393,014; Jan. 20.
Wines. Distilled Liquors Import Co. 392,922; Jan. 20; Serial No. 444,177; published Oct. 21, 1941.
Wines. Lodi Winery, Inc. 392,943; Jan. 20; Serial No. 445,850; published Oct. 28, 1941.
Wines. J. Mutascio. 393,015; Jan. 20.
Wines. Roma Wine Company. 393,009; Jan. 20.
Wines. Taylor Wine Company. 392,916; Jan. 20; Serial No. 442,436; published Oct. 21, 1941.
Wines and vermouth. Peters Hermanos, Compañia Comercial é Industrial S. A. 392,908; Jan. 20; Serial No. 441,709; published Oct. 21, 1941.
Wines, Champagne. Taylor Wine Company. 392,914; Jan. 20; Serial No. 442,434; published Oct. 21, 1941.
Wines—namely, sherry, sauterne, pale dry sherry, etc. Maier's Wine Cellars Inc. 392,938; Jan. 20; Serial No. 445,527; published Nov. 4, 1941.
Wines, Vermouth. Taylor Wine Company. 392,915; Jan. 20; Serial No. 442,435; published Oct. 21, 1941.
Wines, Vermouth. Taylor Wine Company. 392,917; Jan. 20; Serial No. 442,437; published Oct. 21, 1941.

CLASS 49

Bitters, aperitives, liqueurs, etc., Alcoholic. Peters Hermanos, Compañia Comercial é Industrial S. A. 392,909; Jan. 20; Serial No. 441,710; published Oct. 21, 1941.
Brandy. Austin, Nichols & Co. 392,963; Jan. 20; Serial No. 446,686; published Oct. 28, 1941.
Liqueurs. Arrow Distilleries, Inc. 392,964; Jan. 20; Serial No. 446,717; published Oct. 28, 1941.
Liqueurs. Arrow Distilleries, Inc. 392,966; Jan. 20; Serial No. 446,719; published Oct. 28, 1941.
Rum. A. P. Julia. 392,947; Jan. 20; Serial No. 445,989; published Oct. 21, 1941.
Rum. Stuart Lloyds, Ltd. 392,961; Jan. 20; Serial No. 446,601; published Oct. 28, 1941.
Whisky. George Ballantine & Son, Limited. 392,907; Jan. 20; Serial No. 441,599; published Nov. 4, 1941.
Whiskey. Simpson & Barker, Inc. 392,919; Jan. 20; Serial No. 443,173; published Oct. 21, 1941.
Whiskey. Kelly Brothers Company. 393,008; Jan. 20.

CLASS 50

Poultry equipment—namely, battery brooders, laying cages, and laying nests. James Manufacturing Company. 392,942; Jan. 20; Serial No. 445,693; published Nov. 11, 1941.
Thermoplastic compositions. Container Corporation of America. 393,011; Jan. 20.
Wooden shoe lasts. Last Restyling Company. 392,941; Jan. 20; Serial No. 445,658; published Nov. 11, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Commons, Charles H., Jr. (See Kinzie, C. J., and Commons.)
Crawford, Loyal F., Beverly Hills, Calif., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. Re. 22,008; Jan. 20.
Farnsworth, Philo T., Springfield Township, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Electron image amplifier. Re. 22,009; Jan. 20.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Goodman Manufacturing Company. (See Crawford, Loyal F., assignor.)
Greiner, Max, Berlin-Charlottenburg, Germany. Electromagnetic tool of the percussion type. Re. 22,010; Jan. 20.
Kinzie, Charles J., and C. H. Commons, Jr., Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Method of making enamelware. Re. 22,011; Jan. 20.
Phelps, Clyde H. (See Weaver, I. A., and Phelps.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Commons, assignors.)
Weaver, Ira A., and C. H. Phelps, assignors to Weaver Manufacturing Company, Springfield, Ill. Fluid-operated electric-switch. Re. 22,012; Jan. 20.
Weaver Manufacturing Company. (See Weaver, I. A., and Phelps, assignors.)

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 500; Jan. 20.
Hill, Joseph H., Company. (See Byrum, Roy L., assignor.)
Wayside Gardens Company, The. (See Whittier, Paul R., assignor.)
Whittier, Paul R., Beverly, Mass., assignor to The Wayside Gardens Company, Mentor, Ohio. Dianthus. 499; Jan. 20.

LIST OF DESIGN PATENTEES

Adam, Louis D., Ponca City, Okla., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fish lure. 131,135; Jan. 20.
Adler Manufacturing Co. (See Donaldson, Joseph F., assignor.)
Aircraft Radio Corporation. (See Drake, F. H., and Noyes, assignors.)
American Fork & Hoe Company, The. (See Adam, Louis D., assignor.)
American Optical Company. (See Peck, W. F., Gradisar, and Armbruster, assignors.)
Armbruster, John T. (See Peck, W. F., Gradisar, and Armbruster.)
Bader, Harry J. (See Rossell, W. T., Shepard, and Bader.)
Balaban, Carrie, Chicago, Ill. False face. 131,136; Jan. 20.
Baumann, Eugene, Sr., North Bergen, N. J. Shower stool. 131,137; Jan. 20.
Berger, Arthur, New York, N. Y. Man's sleeping robe. 131,138; Jan. 20.
Binks Manufacturing Company. (See Bramsen, Svend, assignor.)
Bostrom, Harold W., Milwaukee, Wis. Deep saddle seat cushion. 131,142; Jan. 20.
Bramsen, Svend, assignor to Binks Manufacturing Company, Chicago, Ill. Combined air filter and light or the like. 131,143; Jan. 20.
Brown, Mary E., Alvarado, Tex. Stove leg. 131,155; Jan. 20.
Burgess Battery Company. (See Lockwood, Lee J., assignor.)
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key case. 131,177; Jan. 20.
Cohen, Israel, Brooklyn, N. Y. Jewelry finding or similar article. 131,156; Jan. 20.
De Pasquale, Sabina, New York, N. Y. Dress. 131,172; Jan. 20.
De Pasquale, Sabina, New York, N. Y. Dress. 131,173; Jan. 20.
Donaldson, Joseph F., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky. Utility stand. 131,139; Jan. 20.
Drake, Frederick H., Boonton, and A. Noyes, Jr., Mountain Lakes, assignors to Aircraft Radio Corporation, Boonton, N. J. Detachable support for instruments and control devices. 131,157; Jan. 20.
Foster, William H., assignor to The Houghton Manufacturing Company, Marion, Ohio. Horse training cart. 131,158; Jan. 20.
Frost, Hyman, New York, N. Y. Coat. 131,178; Jan. 20.
Frost, Hyman, New York, N. Y. Coat. 131,179; Jan. 20.
Frost, Hyman, New York, N. Y. Coat. 131,180; Jan. 20.
Frost, Hyman, New York, N. Y. Coat. 131,181; Jan. 20.
Frost, Hyman, New York, N. Y. Coat. 131,182; Jan. 20.
Gradisar, Albin A. (See Peck, W. F., Gradisar, and Armbruster.)
Grombecker, Sydell, New York, N. Y. Pin or analogous article. 131,159; Jan. 20.
Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 131,160; Jan. 20.
Hauptman, Oscar J., New York, N. Y. Coat. 131,183; Jan. 20.
Higier, Julius A., Johnstown, N. Y. Combined glove, lipstick holder and mirror disk. 131,184; Jan. 20.
Hobden, Frederick G., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace table cloth. 131,185; Jan. 20.
Houghton Manufacturing Company, The. (See Foster, William H., assignor.)
Howard, Styles T., Jeffersonville, Ind. Fuel filter. 131,144; Jan. 20.
International Association of Lions Clubs. (See Jones, Melvin, assignor.)
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 131,174; Jan. 20.
Jacobs, Nellie, Brooklyn, N. Y. Combination knife and gauge. 131,152; Jan. 20.
Jewell, Theodore E., Jr., Newton, Mass. Envelope or similar article. 131,145; Jan. 20.
Jones, Melvin, assignor to International Association of Lions Clubs, Chicago, Ill. Key charm. 131,153; Jan. 20.
Kamholz, Willard, New York, N. Y. Apron. 131,186; Jan. 20.
Kantor, Jack, New York, N. Y. Stud button. 131,161; Jan. 20.
Kaye, Robert L., Newark, N. J. Building unit. 131,154; Jan. 20.
Koenigsamen, Arthur, Jamaica, assignor to Henry Leonard & Thomas, Inc., Ozone Park, N. Y. Tobacco pipe. 131,146; Jan. 20.
Kronfeld, Cye, Los Angeles, Calif. Scarf or similar article. 131,187; Jan. 20.
Langer, Harry, New York, N. Y. Dress. 131,175; Jan. 20.
Leonard, Henry, & Thomas, Inc. (See Koenigsamen, Arthur, assignor.)
Lewis, Florence N., New York, N. Y. Handbag. 131,188; Jan. 20.
Lewis, Florence N., New York, N. Y. Handbag. 131,189; Jan. 20.
Lockwood, Lee J., Freeport, assignor to Burgess Battery Company, Chicago, Ill. Flashlight. 131,140; Jan. 20.
Minkoff, Edward, New York, N. Y. Suit. 131,190; Jan. 20.
Nash, Chase, Washington, D. C. Badge. 131,162; Jan. 20.
Noyes, Atherton, Jr. (See Drake, F., H., and Noyes.)

Olsen, Tinius, 2nd, Philadelphia, Pa. Hydraulic testing machine. 131,141; Jan. 20.
Oxweld Acetylene Company. (See Schepman, Willis G., assignor.)
Peck, William F., Snyder, A. A. Gradisar, Buffalo, and J. T. Armbruster, Niagara Falls, N. Y., assignors to American Optical Company, Southbridge, Mass. Retinoscope or the like. 131,163; Jan. 20.
Quaker Lace Company Incorporated. (See Hobden, Frederick G., assignor.)
Raphaels, Edwin, New York, N. Y. Textile fabric. 131,164; Jan. 20.
Ressinger, Paul M., Chicago, Ill. Display case. 131,165; Jan. 20.
Richardson, Robert L., Eden, N. Y. Dog bed. 131,147; Jan. 20.
Rossell, William T., University City, Mo., F. H. Shepard, New Rochelle, N. Y., and H. J. Bader, Troy, Ohio. Vehicle body. 131,166; Jan. 20.
Schepman, Willis G., Indianapolis, Ind., assignor to Oxweld Acetylene Company. Combined carbide hopper and feed control unit for an acetylene generator. 131,148; Jan. 20.
Schwartz, Jerome M., New York, N. Y. Child's coat. 131,191; Jan. 20.
Sears, Richard E., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery container. 131,149; Jan. 20.
Shepard, Francis H. (See Rossell, W. T., Shepard, and Bader.)
Smallen, Louis J., Los Angeles County, Calif. Cooking range. 131,167; Jan. 20.
Smith, Horatio B., New York, N. Y. Cuff link. 131,168; Jan. 20.
Swofford, Peter J., Fort Worth, Tex. Saucer. 131,150; Jan. 20.
Tenney, William G., Chicago, Ill. Battery box. 131,151; Jan. 20.
Willard Storage Battery Company. (See Sears, Richard E., assignor.)
Wolff, Malvina, New York, N. Y. Dress. 131,176; Jan. 20.
Wolock, Morris, New York, N. Y. Shoe or similar article. 131,169; Jan. 20.
Wolock, Morris, New York, N. Y. Shoe or similar article. 131,170; Jan. 20.
Wolock, Morris, New York, N. Y. Shoe or similar article. 131,171; Jan. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acrolein Corporation. (See Herstein, Karl M., assignor.)
Adams, Elmer W., Hammond, Ind., L. C. Brunstrum, Chicago, Ill., and A. W. Weitkamp, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,270,241; Jan. 20.
Aims, Joseph F. (See Polin, H. S., and Aims.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Heidbrink, Jay A., assignor.)
Aktiebolaget Atlas Diesel. (See Camner, Hilding G., assignor.)
Alford, Andrew, assignor to International Telephone Development Co. Inc., New York, N. Y. Radio beacon shielding arrangement. 2,270,401; Jan. 20.
Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Press. 2,270,817; Jan. 20.
Allied Chemical & Dye Corporation. (See Kern, Jean G., assignor.)
Aln Cin, Inc. (See Buchmann, Louis, assignor.)
Aluminum Company of America. (See Dunn, John H., assignor.)
American Can Company. (See Eckman, Philip E., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Chain & Cable Company. (See Schmidt, George S., assignor.)
American Cyanamid Company. (See Hill, William H., assignor.)
American Cyanamid Company. (See West, B. L., and Eberhart, assignors.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Paper Bottle Company, The. (See Bennett, Racy D., assignor.)
American Sales Book Company. (See Gochnauer, Walter E., assignor.)
American Sales Book Company. (See Manuel, Charles J., assignor.)
American Screw Company. (See Tomalis, Joseph J., assignor.)
American Smelting and Refining Company. (See Fleming, E. P., and Fitt, assignors.)
American Viscose Corporation. (See Heymann, Karl, assignor.)
Amex Associated Exporters and Importers Corporation. (See Crocella, T., and Mayer, assignors.)
Anchor Cap & Closure Corporation. (See Geddes, Charles, assignor.)
Anchor Hocking Glass Corporation. (See Raney, Marion H., assignor.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Beam cutting machine. 2,270,242; Jan. 20.
Anderson, John E. (See Martin, E., and Anderson.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,270,614; Jan. 20.
Antioch College of Yellow Springs. (See Bucher, John E., assignor.)
Arbey, Marie L., et al., representatives. (See Rémondy, Léon E.)
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Arone, Nicholas F., Trenton, N. J., assignor to General Electric Company. Cement-asbestos insulating material and improving the same. 2,270,747; Jan. 20.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Deep well pump. 2,270,666; Jan. 20.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,270,573; Jan. 20.
Avis, Samuel W. (See Pikul, J. H., and Avis.)
B. B. Chemical Co. (See Nash, Russell K., assignor.)
Babcock & Wilcox Company, The. (See Gay, Cecil H., assignor.)
Bach, Henry M., Woodmere, N. Y., assignor to Radio Patents Corporation. Frequency deviation meter. 2,270,243; Jan. 20.
Badalewski, Frank J., assignor to E. Edelmann & Co., Chicago, Ill. Timing light. 2,270,492; Jan. 20.
Bagpak, Inc. (See Westphal, Earl A., assignor.)
Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Fan. 2,270,574; Jan. 20.
Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Fan. 2,270,575; Jan. 20.
Baillie, Granville H., London, and F. B. Waldron, Prescot, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for producing ground or polished glass strip. 2,270,244; Jan. 20.
Baillie, Granville H. (See Waldron, F. B., Hogg, and Baillie.)
Baker, Charles W., Shaker Heights, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Screw and lock washer assembly. 2,270,748; Jan. 20.
Baker Perkins, Inc. (See Devlin, Henry, assignor.)
Baldwin, Edward E., New York, N. Y. Propeller. 2,270,615; Jan. 20.
Ball & Ball Carburetor Company. (See Meinzinger, George M., assignor.)
Ball, Joseph A., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Color photography. 2,270,749; Jan. 20.
Ballou, Leon H. (See Guenther, George A., assignor.)
Bancroft, Charles, New Canaan, Conn. Rotary displacement device. 2,270,493; Jan. 20.
Bank of Montclair, The, executor et al. (See Ellis, Carleton, assignor.)
Bannon, William H. (See Graham, Clarence T., assignor.)
Bariffi, Herbert F., Hamden, Conn., assignor to General Electric Company. Washing machine. 2,270,750; Jan. 20.
Barker, Maurice E., Washington, D. C. Charcoal activating furnace. 2,270,245; Jan. 20.
Barnes Drill Co. (See Johnson, Albert M., assignor.)
Barnhart, George E., Pasadena, Calif. Instrument to indicate air pressure and temperature. 2,270,494; Jan. 20.
Bascom, Henry M., Brooklyn, and W. A. Rhodes, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,270,246; Jan. 20.
Bassett, Rex E., Jr. (See Chamberlin, J. W., and Bassett, Jr.)
Batsel, Cecil N., North Hollywood, Calif., assignor to Radio Corporation of America. Sound recording system. 2,270,247; Jan. 20.
Baumgarth, Henry. (See Peters, Stanley E., assignor.)
Bay State Optical Company. (See Nerney, Frank J., assignor.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Bay State Optical Company. (See Person, Axel, assignor.)
Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Automatic ignition for fluid burners. 2,270,722; Jan. 20.
Bebinger, Charles N., assignor to La-Del Conveyer & Manufacturing Company, New Philadelphia, Ohio. Conveyer angle turn construction. 2,270,778; Jan. 20.
Behnisch, Robert, J. Klarer, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Sulphonic acid amide compound. 2,270,676; Jan. 20.
Belada, John, Glassboro, N. J., assignor to Owens-Illinois Glass Company. Cap selector. 2,270,713; Jan. 20.
Bell, George, Pottsville, Pa. Reclaiming tank. 2,270,616; Jan. 20.
Bell, Joseph, Cincinnati, Ohio. Flasher and signal system. 2,270,496; Jan. 20.
Bell, Joseph D., San Francisco, Calif. Divan bed. 2,270,576; Jan. 20.
Bell Telephone Laboratories, Incorporated. (See Bascom, H. M., and Rhodes, assignors.)
Bell Telephone Laboratories, Incorporated. (See Blackman, Ralph B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harazim, Stanley J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harley, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
Bell Telephone Laboratories, Incorporated. (See West, Julian M., assignor.)
Bellg, Charles M., Pitman, N. J., assignor to Owens-Illinois Glass Company. Liner for closures. 2,270,714; Jan. 20.
Benecke, Heinrich. (See Schulze, W., and Benecke.)
Benedict, Wayne L., and C. G. Dryer, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon distillates. 2,270,248; Jan. 20.

Bennett, Racy D., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Container. 2,270,617; Jan. 20.

Berger, Kornel, Brooklyn, N. Y. Swivel harp. 2,270,497; Jan. 20.

Bergstrom, Roland F., Oakland, and E. E. Phillips, Martinez, assignors to Shell Development Company, San Francisco, Calif. Compounded lubricating oil. 2,270,577; Jan. 20.

Berl Chemical Corporation. (See Berl, Ernst, assignor.)

Berl, Ernst, Pittsburgh, Pa., assignor to Berl Chemical Corporation. Oxidizing a hydrocarbon. 2,270,779; Jan. 20.

Berl, Ernst, Pittsburgh, Pa., assignor to Berl Chemical Corporation. Oxidation of ethylene. 2,270,780; Jan. 20.

Bernard, Ernest E., Escondido, Calif. Rotary separator. 2,270,703; Jan. 20.

Bernay, Henri B., assignor of one-third to R. H. Bouligny, and one-third to O. R. Rowe, Charlotte, N. C. Pruning implement. 2,270,495; Jan. 20.

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle signal system. 2,270,402; Jan. 20.

Biersack, Richard, Berlin-Wilmersdorf, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany. Steam generator. 2,270,704; Jan. 20.

Bignell, James R., and R. C. Huntoon, assignors to Solar Aircraft Company, San Diego, Calif. Fastener construction. 2,270,403; Jan. 20.

Bilde, Tord E. D., Ulvsunda, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Dishwashing machine. 2,270,695; Jan. 20.

Birkmeyer, Paul J., Verona, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Retractile shelf structure. 2,270,249; Jan. 20.

Birr, Rudolph G., Lombard, assignor to Precision Metal Workers, Chicago, Ill. Swinging arm support. 2,270,250; Jan. 20.

Bitter, Hermann, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fuse. 2,270,404; Jan. 20.

Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Valve assembly. 2,270,751; Jan. 20.

Black, Donald H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Relaxation oscillation generator. 2,270,405; Jan. 20.

Blackman, Ralph B., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance circuits. 2,270,644; Jan. 20.

Blackwell, Ernest C., Rochester, assignor to Spaulding Fibre Company, Inc., North Rochester, N. H. Shoe counter. 2,270,251; Jan. 20.

Blakemore, Kenneth B. J., Hyde, England. Carton and like container. 2,270,236; Jan. 20.

Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Size controlling mechanism for boring machines and the like. 2,270,406; Jan. 20.

Blood, Howard E., Detroit, and E. F. Hubacker, Highland Park, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Cabinet construction. 2,270,407; Jan. 20.

Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Oxidation of ketones. 2,270,252; Jan. 20.

Bocjl Corporation. (See La Place, Desmond R., assignor.)

Boehne, Eugene W., Drexel Hill, Pa., assignor to General Electric Company. Arc shield. 2,270,723; Jan. 20.

Bolinder's Fabriks Aktiebolag. (See Bilde, Tord E. D., assignor.)

Boosey, Edward W. N., Detroit, Mich. Garage floor drain. 2,270,253; Jan. 20.

Borg-Warner Corporation. (See Blood, H. E., and Hubacher, assignors.)

Borg-Warner Corporation. (See Ewing, Walkley B., assignor.)

Borg-Warner Corporation. (See Hill, Ira B., assignor.)

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Borg-Warner Corporation. (See Ruesenberg, Carl A., assignor.)

Borg-Warner Corporation. (See Warner, Archibald A., assignor.)

Bossard, Werner. (See Krebser, A., and Bossard.)

Bossart, Paul N. (See Canetta, J., and Bossart.)

Bouligny, Ralph H., et al. (See Bernay, Henri B., assignor.)

Bower Roller Bearing Company. (See Johnson, Glen F., assignor.)

Bowman, Reginald G. (See Johnson, G. E., Bowman, and Knox.)

Bowman, Thomas L. (See Briggs, William T., assignor.)

Bowyer, Abbie G., assignor of one-fourth to S. E. Fouts, Los Angeles, Calif. Hair curler. 2,270,618; Jan. 20.

Bowyer, Abbie G., assignor of one-fourth to S. E. Fouts, Los Angeles, Calif. Knitting device. 2,270,619; Jan. 20.

Bozarth, Abe R., Cleveland, assignor to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of ammonium bifluoride. 2,270,498; Jan. 20.

Bradbury, Theodore A. (See Straub, F. G., and Bradbury.)

Brand, Henry, Smithfield, Nebr. Walking stick. 2,270,254; Jan. 20.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Manufacture of lubricants. 2,270,620; Jan. 20.

Brazitis, Edward, St. Clair Shores, and G. Brazitis, Detroit, Mich. Welding electrode holder. 2,270,724; Jan. 20.

Brazitis, George. (See Brazitis, Edward and G.)

Brentz, Harry W., Pittsburg, Kans. Apparatus for regulating the discharge of material from a separator. 2,270,696; Jan. 20.

Brewster, William R., Albany, N. Y. Motor vehicle attachment. 2,270,499; Jan. 20.

Bridgeport Brass Company. (See Morris, Alan, assignor.)

Briggs Manufacturing Company. (See Platz, Henry T., assignor.)

Briggs, William T., assignor of fifty per cent to T. L. Bowman, Harriman, Tenn. Stop motion bobbin. 2,270,645; Jan. 20.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Main bearing cap wedge. 2,270,500; Jan. 20.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,270,793; Jan. 20.

Brooker, Leslie G. S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Selenotricarbocyanine dyes. 2,270,255; Jan. 20.

Broome, Charles B. (See Gerriets, Fred, assignor.)

Brosius, Edgar E., Pittsburgh, Pa. Mounting and operating mechanism for mud guns. 2,270,256; Jan. 20.

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic double-acting slack adjuster for brakes. 2,270,501; Jan. 20.

Brown Instrument Company, The. (See Jones, Harry S., assignor.)

Browning, George L., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of dixanthogens. 2,270,257; Jan. 20.

Brownscombe, Philip J. (See Kende, G., and Brownscombe.)

Brugnoni, Rene C., Woodside, Long Island, N. Y. Spring key holder. 2,270,621; Jan. 20.

Brunstrum, Lawrence C. (See Adams, E. W., Brunstrum, and Waltkamp.)

Bryant Heater Company, The. (See Beam, Vilynn, O., assignor.)

Bucher, John E., Fort Lee, N. J., assignor, by mesne assignments, to Antioch College of Yellow Springs, Yellow Springs, Ohio. Manufacturing beryllium. 2,270,502; Jan. 20.

Buchmann, Louis, Buffalo, N. Y., assignor, by mesne assignments, to Aln Cin, Inc. Abrasive tool and making same. 2,270,258; Jan. 20.

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Burk, Robert E., and E. C. Hughes, assignors to The Standard Oil Company, Cleveland, Ohio. Gel-type metal oxide catalyst. 2,270,503; Jan. 20.

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Catalyst. 2,270,504; Jan. 20.

Burke & James, Inc. (See Drucker, Albert, assignor.)

Burke, Thomas R., New York, N. Y. Diaphragm for closet flush valves. 2,270,259; Jan. 20.

Burleson, John A., Flint, assignor to General Motors Corporation, Detroit, Mich. Volume checking fixture. 2,270,505; Jan. 20.

Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Production and reproduction of sound records. 2,270,260; Jan. 20.

Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Production of sound and other records. 2,270,261; Jan. 20.

Burton, Carroll, and D. P. Steward, Johnstown, Pa., assignors to Carnegie-Illinois Steel Corporation. Resilient wheel. 2,270,622; Jan. 20.

Burton, Frank F., Mount Carmel, assignor to Western Cartridge Company, New Haven, Conn. Cartridge-detent mechanism for repeating firearms. 2,270,408; Jan. 20.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,270,262; Jan. 20.

Busse, Edwin G. (See Spaeth, I. J., and Busse.)

Butenandt, Adolf, Berlin-Dahlem, H. Dannenbaum, Falkenhain-Finkenbrug, near Berlin, and J. Schmidt-Tomé, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J. Carboxylic acids of the cyclopentano polyhydrophenanthrene series and making the same. 2,270,409; Jan. 20.

Butler, Frank D., U. S. Navy. Fuel measuring and distributing pump for oil engines. 2,270,263; Jan. 20.

C-M-P Fishing Tool Corporation. (See Church, Walter L., assignor.)

Callsway Mills. (See Thompson, Roscoe L., assignor.)

Camertoni, Alexander C., Sao Paulo, assignor to Washington de Norouha Figueiredo, São Joã, Brazil. Oil burner. 2,270,623; Jan. 20.

Campbell, James F. (See Kurath, E., Campbell, and Ness.)

Campbell, James T., Highland Park, Mich. Photographic printing device. 2,270,578; Jan. 20.

Campbell, Philip A., Vancouver, British Columbia, Canada. Mower. 2,270,646; Jan. 20.

Campbell, Sumner E., Long Beach, Calif. Desalting petroleum. 2,270,411; Jan. 20.

Camner, Hilding G., Ektorp, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Means for automatically controlling the fuel injecting mechanism of internal combustion engines. 2,270,410; Jan. 20.

Campbell, Sumner E., Long Beach, Calif. Dehydrating oils. 2,270,412; Jan. 20.

Canetta, John, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,270,413; Jan. 20.

Canetta, John, Wilkinsburg, and P. N. Bossart, Cheswick, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,270,414; Jan. 20.

Carlson, Carl S., St. Paul, Minn. Rack for refrigerator cars. 2,270,506; Jan. 20.

Carnegie-Illinois Steel Corporation. (See Burton, C., and Steward, assignors.)

Carruth, Herman A., Northford, assignor to National Folding Box Company, New Haven, Conn. Method and apparatus for closing and sealing paperboard boxes and cartons. 2,270,264; Jan. 20.

Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Vertical rotary-type ash remover. 2,270,265; Jan. 20.

Caselli, Albert V., Oakland, and A. C. Nixon, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Process for extraction. 2,270,667; Jan. 20.

Casco Products Corporation. (See Bahr, Gustave F., assignor.)

Cattoor, Joseph M., Modesto, Calif. Rope machine. 2,270,237; Jan. 20.

Catucci, Pliny, Newark, N. J. Phonograph. 2,270,415; Jan. 20.

Cavanagh, Gerald F., Euclid, Ohio. Guard for motor vehicles. 2,270,266; Jan. 20.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celanese Corporation of America. (See Kloran, James J., assignor.)

Certain-Teed Products Corporation. (See Debo, Henry F., assignor.)

Chace, Thomas B., Winetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Mold. 2,270,267; Jan. 20.

Chace, Thomas B., Winnetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Mould. 2,270,830; Jan. 20.

Chamberlin, John W., and R. E. Bassett, Jr., South Bend, Ind. Cleaning device. 2,270,579; Jan. 20.

Chambers, John A., Swampscott, Mass., assignor to Johns-Manville Corporation, New York, N. Y. Acoustical assembly. 2,270,268; Jan. 20.

Champlain Corporation. (See Parks, Joseph A., Jr., assignor.)

Chemical Marketing Company Inc. (See Leuser, Josef, assignor.)

Chemical Marketing Company Inc. (See Ryschkewitsch, Eugene, assignor.)

Chemical Reclaiming Sales Co. (See Jones, Colin C., assignor.)

Chicago Flexible Shaft Company. (See Wallerius, John, assignor.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chicago Railway Equipment Company. (See Spaeth, I. J., and Busse, assignors.)

Christiansen, Walter G., Glen Ridge, N. J., and A. E. Jurist, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Precipitating neoarsphenamine. 2,270,269; Jan. 20.

Christy, Walter C., Evanston, assignor to Industrial Patents Corporation, Chicago, Ill. Carton. 2,270,580; Jan. 20.

Chrysler Corporation. (See Hansen, Wray C., assignor.)

Chrysler Corporation. (See Meinzinger, George M., assignor.)

Chrysler Corporation. (See Neracher, C. A., and Dunn, assignors.)

Chrysler Corporation. (See Slider, George, assignor.)

Chrysler Corporation. (See Woolson, H. T., Herreshoff, Hicks, and Parker, assignors.)

Chrysler Corporation. (See Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt, assignors.)

Church, Walter L., assignor to C-M-P Fishing Tool Corporation, Houston, Tex. Casing plug. 2,270,647; Jan. 20.

Church, Walter L., assignor to C-M-P Fishing Tool Corporation, Houston, Tex. Cementing plug. 2,270,648; Jan. 20.

Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Fischer, assignors.)

Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., Fischer, and Heer, assignors.)

Clad Metals Industries, Inc. (See Chace, Thomas B., assignor.)

Clare, Philip, East Orange, N. J. Molded plastic gem. 2,270,270; Jan. 20.

Clark, Gerald I., Mountain View, assignor, by mesne assignments, to H. A. Hutchins, Arcadia, Calif. Winch construction. 2,270,507; Jan. 20.

Clark, Harry J., Philadelphia, Pa. Water cooker for electric refrigerators. 2,270,624; Jan. 20.

Clark, James R., Santa Barbara, Calif. Rectifier circuit. 2,270,697; Jan. 20.

Clarke, Clement, and P. C. Livingston, assignors to Clement Clarke Limited, London, England. Protective goggles. 2,270,238; Jan. 20.

Clarke, Clement, Limited. (See Clarke, C., and Livingston, assignors.)

Clarke, Robert H., Madison, N. J. Reverse gear and control. 2,270,581; Jan. 20.

Coca-Cola Company, The. (See Kaliska, William G., assignor.)

Coca-Cola Company, The. (See Young, Charles M., Jr., assignor.)

Coffing, Frederick W., Danville, Ill. Tape hoist and tensioning device. 2,270,271; Jan. 20.

Coleman, Roy E., Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated. Coating composition. 2,270,508; Jan. 20.

Common, Joseph W., Flint, assignor to General Motors Corporation, Detroit, Mich. Core handling machine. 2,270,509; Jan. 20.

Cook, Frank G., Atlanta, assignor to A. Dittler, De Kalb County, Ga. Wrapping machine. 2,270,818; Jan. 20.

Cooper, Stanton. (See Keyser, E., and Prusinski, assignors.)

Cork, Edward C., London, and J. L. Pawsey, Hillingdon, assignors to Electric & Musical Industries Limited, Middlesex, England. Electrical wave system. 2,270,416; Jan. 20.

Corley, Hickman M., Houston, Tex. Lawn trimmer. 2,270,649; Jan. 20.

Cornell-Dubilier Electric Corporation. (See Robinson, William M., assignor.)

Cowhig, William T. (See Scott, W. J., Davies, and Cowhig.)

Cox, Harrison F., Paterson, N. J. Ratioed air control for steam heating systems. 2,270,510; Jan. 20.

Cox, John C., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Solenoid-controlled brake. 2,270,417; Jan. 20.

Crain, Richard C., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Sampling device. 2,270,511; Jan. 20.

Crocker, Clarence T., Daytona Beach, Fla., assignor to General Electric Company. Arc lamp mechanism. 2,270,725; Jan. 20.

Crocella, Thomas, New York, and H. Mayer, Bronx, assignors to Amex Associated Exporters and Importers Corporation, New York, N. Y. Sewing machine attachment. 2,270,650; Jan. 20.

Cronan, Francis P., Attleboro, Mass., assignor to Dolan & Bullock Company, Providence, R. I. Cuff link construction. 2,270,677; Jan. 20.

Crostic, Aldon E., South Richmond, Va. Roller adjustment for printing presses. 2,270,698; Jan. 20.

Crowley, Joseph P., and A. W. Goralske, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,270,418; Jan. 20.

Cushman, Jack F., Kansas City, Mo. Faucet valve operator. 2,270,239; Jan. 20.

Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)

Cutler-Hammer, Inc. (See Kuhn, C. W., and Perrine, assignors.)

Cutler-Hammer, Inc. (See Lightfoot, Edwin N., assignor.)

Dalrymple, Lula L., Madison, and De M. Dickson, Basco, Wis. Ash tray. 2,270,370; Jan. 20.

Dannenbaum, Hans. (See Butenandt, A., Dannenbaum, and Schmidt-Thomé.)

Davidson, William W., Evanston, Ill. Convertible printing press. 2,270,272; Jan. 20.

Davidson, William W., Evanston, Ill. Convertible printing press. 2,270,273; Jan. 20.

Davies, Clarence J. (See Mitchell, A. S., Ratley, and Davies.)

Davies, Leonard J. (See Scott, W. J., Davies, and Cowhig.)

Davis, Charles A., Richmond, Va. Displacement mensuring apparatus. 2,270,699; Jan. 20.

Davis, Charles R., Rochester, N. Y. Safe protection. 2,270,274; Jan. 20.

Davis, Ernest, Syracuse, N. Y. Hydraulic check. 2,270,668; Jan. 20.

Danielsen, Ejnar, Copenhagen-Hellerup, Denmark. Liquid fuel atomizing carburetor. 2,270,369; Jan. 20.

Debo, Henry F., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material. 2,270,419; Jan. 20.

Deere & Company. (See Pilcher, H. W., and Oehler, assignors.)

De Groote, Melvin, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd. Salts of certain methylene diamines with certain petroleum sulphonic acids. 2,270,681; Jan. 20.

Dellar, Ben. (See Hokstad, William, assignor.)

Dennison, Charles R., Youngstown, Ohio. Dry placer mining machine. 2,270,275; Jan. 20.

De Simo, Martin, Piedmont, and F. M. McMillan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of isobutane. 2,270,669; Jan. 20.
Detroit Steel Products Company. (See Rumney, Mason P., assignor.)
Dettar, Steve, St. Clair Shores, Mich. Circuit maker and breaker. 2,270,513; Jan. 20.
Devlin, Henry, assignor to Baker Perkins, Inc., Saginaw, Mich. Dough divider. 2,270,512; Jan. 20.
Dickson, De Moss. (See Dalrymple, L. L., and Dickson.)
Dilts, Joseph B., Sergeantsville, N. J. Scraper attachment for blowtorches. 2,270,625; Jan. 20.
Dinhofer, Julius, New York, N. Y. Diamond holder. 2,270,420; Jan. 20.
Dittler, Alexander. (See Cook, Frank G., assignor.)
Doane, Harry C., and L. R., Grandy, Flint, assignors to General Motors Corporation, Detroit, Mich. Antenna construction. 2,270,514; Jan. 20.
Dodge, Adiel Y., Rockford, Ill. Transmission. 2,270,515; Jan. 20.
Doering, Ulrich W., Berlin, Germany, assignor to "Technoprogress A. G.", Solothurn, Switzerland. Electric gas and vapor discharge lamp for lighting purposes. 2,270,276; Jan. 20.
Dolan & Bullock Company. (See Cronan, Francis P., assignor.)
Dow, Harold T., Elma, N. Y., assignor to Spring Perch Company, Inc. Vehicle spring. 2,270,516; Jan. 20.
Dowd, John H., West Hartford, assignor to G. F. Heublein & Bro., Hartford, Conn. Bottle. 2,270,277; Jan. 20.
Doyle, Frank B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,270,651; Jan. 20.
Drennon, William M., Anaheim, assignor of one-third to C. Mason, Los Angeles, Calif. Percussion device. 2,270,752; Jan. 20.
Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Projection apparatus. 2,270,517; Jan. 20.
Drummond, Robert S., Detroit, Mich. Machine for cutting gears. 2,270,421; Jan. 20.
Drummond, Robert S., Detroit, Mich. Cutting gears. 2,270,422; Jan. 20.
Drummond, Robert S., Detroit, Mich. Gear finishing machine. 2,270,831; Jan. 20.
Dryer, Charles G. (See Benedict, W. L., and Dryer.)
Dunbar, James Y. (See Parkinson, J. S., Dunbar, and Jack.)
Duncan, Angus Wellesley, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Conveyer. 2,270,626; Jan. 20.
Dunn, George E., assignor to Universal Products Company, Incorporated, Dearborn, Mich. Universal joint. 2,270,279; Jan. 20.
Dunn, George E., assignor to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,270,280; Jan. 20.
Dunn, George E., assignor to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,270,281; Jan. 20.
Dunn, John H., Springdale, assignor to Aluminum Company of America, Pittsburgh, Pa. Method of joining. 2,270,278; Jan. 20.
Dunn, William T. (See Neracher, C. A., and Dunn.)
Dunning, Orville M., Glen Ridge, and L. Z. La Forest, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Photograph. 2,270,832; Jan. 20.
Du Pont, Bidermann T. (See Hunter, L. N., and du Pont.)
Du Pont, E. I., de Nemours & Company. (See Sloan, Clifford K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stilmar, Frederic B., assignor.)
Du Pont Film Manufacturing Corporation. (See Middleton, E. B., and Jennings, assignors.)
Dutky, Samson R., Palmyra, and W. C. Fest, Masonville, N. J., dedicated to the free use of the People in the territory of the United States. Microinjector. 2,270,804; Jan. 20.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Earl, James C., San Diego, Calif. Interlocking building slab. 2,270,627; Jan. 20.
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Easton, Robert P. (See Kinzie, C. J., Easton, and Efimoff.)
Eberhart, Dale R. (See West, B. L., and Eberhart.)
Eckman, Philip E., Seattle, Wash., assignor to American Can Company, New York, N. Y. Can making machine. 2,270,282; Jan. 20.
Edelmann, E., & Co. (See Badalewski, Frank J., assignor.)
Edison-Splitdorf Corporation. (See Nowosielski, Edward B., assignor.)
Edison, Thomas A., Incorporated. (See Dunning, O. M., and La Forest, assignors.)
Efimoff, Viatcheslav. (See Kinzie, C. J., Easton, and Efimoff.)
Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Ellis, Bertram, executor, et al. (See Ellis, Carleton, assignor.)
Ellis, Carlton, deceased, Montclair, N. J.; B. Ellis, C. Ellis, Jr., and The Bank of Montclair, executors, assignors to Ellis Laboratories Incorporated. Nutrient solution. 2,270,518; Jan. 20.
Ellis, Carleton, Jr., executor, et al. (See Ellis, Carleton, assignor.)
Ellis Laboratories Incorporated. (See Ellis, Carleton, assignor.)
Elze, Walter C., Forest Hills, and I. McDowell, Valley Stream, assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Melting kettle for tar, asphalt, and the like. 2,270,726; Jan. 20.
Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Radio-receiving apparatus. 2,270,652; Jan. 20.
Esselen, Gustavus J., Swampscott, Mass. Food products. 2,270,582; Jan. 20.
Eureka Vacuum Breaker Corporation. (See Langdon, Jesse D., assignor.)
Evans, Charles R., Decatur, Ill. Washing machine. 2,270,805; Jan. 20.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer Inc., Milwaukee, Wis. Electrical contact. 2,270,727; Jan. 20.
Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. One-way stop mechanism. 2,270,283; Jan. 20.
Ewing, Walkley B., Grand Rapids, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Screen frame lacer retainer assembly. 2,270,423; Jan. 20.
Fabrice, Edward H., Chicago, Ill. Receptacle sealing cap. 2,270,424; Jan. 20.
Fabry, Edward L., et al. (See Fluegel, John, assignor.)
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Faggard, Alfred G., Mansfield, La. Utility staple. 2,270,284; Jan. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company Wilmerding, Pa. Traction increaser apparatus. 2,270,425; Jan. 20.
Farny, Cyril, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Piano action. 2,270,426; Jan. 20.
Fausset Ernest R. (See Poole, L. E., and Fausset.)
Federal-Mogul Corporation. (See Willi, Albert B., assignor.)
Feldmar, Béla, Budapest, Hungary. Automatic closure for collapsible tubes. 2,270,794; Jan. 20.
Fellowes, Frederick J. (See Forester, William H. and S. J., assignors.)
Fest, William C. (See Dutky, S. R., and Fest.)
Figueiredo, Washington de N. (See Camertoni, Alexander C., assignor.)
Fikes, Maurice P., Exeter Township, Berks County, assignor of one-half to H. W. S. Gehrke, Bern Township, Pa. Flag flier. 2,270,753; Jan. 20.
Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)
Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Monoazo dyestuffs insoluble in water. 2,270,678; Jan. 20.
Fischer, Werner. (See Miescher, K., and Fischer.)
Fischer, Werner. (See Miescher, K., Fischer, and Heer.)
Fishbein, Morris. (See Yancey, William F., assignor.)
Fisher, Harry P., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Sealing gasket. 2,270,519; Jan. 20.
Fitt, T. Cleon. (See Fleming, E. P., and Fitt.)
Fitzgerald, James H., Westfield, N. J. Concrete mixer. 2,270,628; Jan. 20.
Fleming, Edward P., and T. C. Fitt, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Reducing sulphur dioxide to sulphur by natural gas. 2,270,427; Jan. 20.
Flint, Eber Leroy, Sheridan, Mich. Can-sorting machine. 2,270,428; Jan. 20.
Fluegel, Ernest F. K., et al. (See Fluegel, John, assignor.)
Fluegel, John, assignor of one-fourth to E. F. K. Fluegel, one-fourth to V. B. Taranto, one-fourth to E. L. Fabry, and one-eighth to J. A. Gourguechon, Chicago, Ill. Hairdressing apparatus and method. 2,270,429; Jan. 20.
Ford Motor Company. (See McCarroll, R. H., Jeter, and Kroy, assignors.)
Forester, Sarah J. (See Forester, William H. and S. J.)
Forester, William H. and S. J., assignors of forty-nine per cent to F. J. Fellowes, Winnipeg, Manitoba, Canada. Window holder and lock. 2,270,795; Jan. 20.
Forton, George, Detroit, Mich. Sound insulated drive connection. 2,270,583; Jan. 20.
Foster, Shubel A., Ferndale, Mich. Grinding gauge. 2,270,728; Jan. 20.
Fournet, Sidney C., New Orleans, La. Method and apparatus for making dental restorations. 2,270,629; Jan. 20.
Fouts, Samuel E. (See Bowyer, Abbie G., assignor.)
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Metal fixture for reclining chairs. 2,270,430; Jan. 20.
Frazier, Edward M., Miami, Fla. Gas gauge connection. 2,270,371; Jan. 20.

Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Emergency brake control mechanism. 2,270,431; Jan. 20.
Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Yarn binder for knitting machines. 2,270,432; Jan. 20.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting hydrocarbons of low molecular weight. 2,270,700; Jan. 20.
Freyssinet, Eugène, Neuilly-sur-Seine, France. Anchoring of tensioned cables in concrete constructions. 2,270,240; Jan. 20.
Friedman, Sidney, Brooklyn, N. Y. Ash tray. 2,270,781; Jan. 20.
Frolich, Per K., Westfield, N. J., assignor to Standard Oil Development Company. Impregnated fabric. 2,270,285; Jan. 20.
Funk, Truman B., assignor to Yard-Man, Inc., Jackson, Mich. Cutter bar adjustment assembly. 2,270,584; Jan. 20.
Gaertner Scientific Corporation, The. (See Meyn, Paul F., assignor.)
Gallusser, Hans, Geneva, Switzerland. Apparatus for the reduction of oxides. 2,270,701; Jan. 20.
Gartner, Raymond J., Canton, assignor to The General Tire & Rubber Company, Akron, Ohio. Hydraulic pressure pulsating mechanism. 2,270,585; Jan. 20.
Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Forging machine. 2,270,819; Jan. 20.
Gearhart, Roy E. (See Morley, H. F., and Gearhart.)
Geddes, Charles, Toronto, Ontario, Canada, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure. 2,270,729; Jan. 20.
Gehrke, Herbert W. S. (See Fikes, Maurice P., assignor.)
Geigy, J. R., A. G. (See Keller, Ernst, assignor.)
Geigy, J. R., A. G. (See Krebser, A., and Bossard, assignors.)
General Aniline & Film Corporation. (See Fischer, Ernst, assignor.)
General Aniline & Film Corporation. (See Goldhammer, Leo, assignor.)
General Aniline & Film Corporation. (See Stein, E., Schweitzer, and Taube, assignors.)
General Electric Company. (See Arone, Nicholas F., assignor.)
General Electric Company. (See Bariffi, Herbert F., assignor.)
General Electric Company. (See Bixler, Harley H., assignor.)
General Electric Company. (See Boehne, Eugene W., assignor.)
General Electric Company. (See Crocker, Clarence T., assignor.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Mershon, Alfred V., assignor.)
General Electric Company. (See Morrill, Weston, assignor.)
General Electric Company. (See Norgaard, Donald E., assignor.)
General Electric Company. (See Scott, W. J., Davies, and Cowhig, assignors.)
General Electric Company. (See Spurck, Robert M., assignor.)
General Electric Company. (See Zecher, Gustav, assignor.)
General Electric Company Limited, The. (See Espley, Dennis C., assignor.)
General Motors Corporation. (See Brill, William E., assignor.)
General Motors Corporation. (See Burleson, John A., assignor.)
General Motors Corporation. (See Common, Joseph W., assignor.)
General Motors Corporation. (See Doane, H. C., and Grandy, assignors.)
General Motors Corporation. (See Haeger, F. W., and Rohrbach, assignors.)
General Motors Corporation. (See Lenning, Carroll K., assignor.)
General Motors Corporation. (See Oswald, John, assignor.)
General Motors Corporation. (See Poole, L. E., and Fausset, assignors.)
General Motors Corporation. (See Stolte, Richard C., assignor.)
General Motors Corporation. (See Talmage, C. R., and Lau, assignors.)
General Tire & Rubber Company, The. (See Fisher, Harry P., assignor.)
General Tire & Rubber Company, The. (See Gartner, Raymond J., assignor.)
General Tire & Rubber Company, The. (See Jahant, C. J., McCoy, and Kraft, assignors.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
General Tire & Rubber Company, The. (See Orr, Glenn H., assignor.)
Gerriets, Fred, Alexandria, Va., assignor to C. B. Broome, Washington, D. C. Emplacement former. 2,270,286; Jan. 20.
Getmansky, Samuel, New York, N. Y. Blunt barb elastic holder. 2,270,702; Jan. 20.
Gibney, Joseph W., Port Chester, assignor of one-half to L. R. McWeeney, Rye, N. Y. Can opener. 2,270,679; Jan. 20.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Stampleman, Samuel C., assignor.)
Gillette Safety Razor Company. (See Stampleman, S. C., and Muros, assignors.)
Gilman Fanfold Corporation. (See Kerr, James G., assignor.)
Gilmore, Delbert B., Erie, assignor to Talon, Inc., Meadville, Pa. Slider for separable fasteners. 2,270,782; Jan. 20.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Bearing packer. 2,270,754; Jan. 20.
Glascote Products, Inc. (See Osborn, Henry C., Jr., assignor.)
Glover, William S. C., Seaford, England. Beam controlling device for lamps. 2,270,680; Jan. 20.
Gochnauer, Walter E., Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Feed mechanism for autographic registers. 2,270,730; Jan. 20.
Godlewicz, Marian. (See Pilat, S., and Godlewicz.)
Goffredo, John, Roseto, Pa. Oil burner accessory. 2,270,433; Jan. 20.
Goldhammer, Leo, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Roll film camera. 2,270,287; Jan. 20.
Goodrich, B. F., Company, The. (See Browning, George L., Jr., assignor.)
Goralske, Arthur W. (See Crowley, J. P., and Goralske.)
Goss, Worth C., Seattle, Wash. Straw briquette and its manufacture. 2,270,288; Jan. 20.
Gould, John F., Little Rock Ark. Pump. 2,270,434; Jan. 20.
Gourguechon, Jean A., et al. (See Fluegel, John, assignor.)
Graenacher, Charles, Rieben, and R. Sallmann, Bottmingen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Improving materials containing cellulose. 2,270,520; Jan. 20.
Graham, Clarence T., North Attleboro, assignor to W. H. Bannon, Mansfield, Mass. Producing finished fabric. 2,270,289; Jan. 20.
Graham, Virginia D., Evanston, Ill. Pressing device. 2,270,290; Jan. 20.
Grandy, Levi R. (See Doane, H. C., and Grandy.)
Gray, Marion R., Los Angeles, Calif. Neckerchief. 2,270,521; Jan. 20.
Great Atlantic and Pacific Tea Company, The. (See Polin, H. S., and Aims, assignors.)
Greulich, Gerald G., Mount Lebanan, Pa. Grating structure. 2,270,630; Jan. 20.
Grey, John D., Dallas, Tex. Truss. 2,270,291; Jan. 20.
Griffiths, Evelyn E., Bromborough, England. Liquid attemperating device. 2,270,833; Jan. 20.
Grimes, Thaddeus S., assignor to Lummus Cotton Gin Co., Columbus, Ga. Cotton gin with belt mote board. 2,270,670; Jan. 20.
Groskopf, Edwin O., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Rubber cement and making the same. 2,270,731; Jan. 20.
Grosse, Aristid V., assignor to Universal Oil Products Company, Chicago, Ill. Producing a mono-hydrocarbon aluminum dihalide. 2,270,292; Jan. 20.
Groupement Francais pour le Development des Recherches Aeronautiques. (See Rollin, Georges, assignor.)
Grunder, Maynard S., Puyallup, Wash. Electric cooking plate. 2,270,293; Jan. 20.
Guenther, George A., Buffalo, assignor to Leon H. Ballou, Lockport, N. Y. Heating apparatus. 2,270,798; Jan. 20.
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,270,799; Jan. 20.
Gustin-Bacon Manufacturing Company. (See Hall, Jesse E., assignor.)
Haeger, Frank W., and E. F. Rohrbach, Lansing, assignors to General Motors Corporation, Detroit, Mich. Crankshaft bearing polishing machine. 2,270,522; Jan. 20.
Hall, Cecil G., Jackson, Mich. Headlight indicator. 2,270,587; Jan. 20.
Hall, Jesse E., Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Applicator for elastic rings. 2,270,671; Jan. 20.
Hall, Walter S., Jr., Los Angeles, Calif., assignor to Radio Corporation of America. Indicating apparatus. 2,270,294; Jan. 20.
Hallinan, William W., Dowagiac, Mich. Oil burner. 2,270,631; Jan. 20.
Hansen, Rose B., Asheville, N. C., assignor of one-tenth to H. B. Steinbrecher. Sleeve arrangement for garments. 2,270,435; Jan. 20.
Hansen, Wray C., assignor to Chrysler Corporation, Highland Park, Mich. Windshield wiper. 2,270,589; Jan. 20.

Hanson, Stephen H., Racine, Wis. Corpse headrest. 2,270,588; Jan. 20.
Happel, John. (See Shipp, V. L., and Happel.)
Harazim, Stanley J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating device. 2,270,653; Jan. 20.
Harazin, Charles. (See Waterman, W., and Harazin.)
Harley, John B., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,270,295; Jan. 20.
Harris-Seybold-Potter Company. (See Wood, William H., assignor.)
Harshaw Chemical Company, The. (See Bozarth, Abe R., assignor.)
Hart, William C., Kew Gardens, N. Y. Printing roller. 2,270,436; Jan. 20.
Hartford National Bank and Trust Company, as trustee. (See Skillman, Thomas S., assignor.)
Hasty, Robert R., Wichita, Kans. Golf ball retriever. 2,270,632; Jan. 20.
Hauck Manufacturing Company. (See Elze, Walter C., and McDowell, assignors.)
Hauser, Bonner B., St. Paul, Minn. Door attachment hanger appliance. 2,270,796; Jan. 20.
Hazeltine Corporation. (See Malling, Leonard R., assignor.)
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Heer, Jules. (See Miescher, K., Fischer, and Heer.)
Heeren, Arthur A., assignor to United States Gypsum Company, Chicago, Ill. Building slab. 2,270,672; Jan. 20.
Heidbrink, Jay A., Minneapolis, Minn., assignor to Air Reduction Company, Incorporated. Gas control means for anesthetizing machines. 2,270,523; Jan. 20.
Helm, Neal W., Caruthersville, Mo. Apparatus for manufacturing bricks. 2,270,834; Jan. 20.
Helwig, Arthur A., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company. Refrigerator car construction. 2,270,524; Jan. 20.
Hemphill Company. (See Fregoelle, Oscar, assignor.)
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henning, Ralph B., Alpena, Mich. Pipe coupling. 2,270,296; Jan. 20.
Hensel, Walter C., assignor to Universal Oil Products Company, Chicago, Ill. Construction of heaters. 2,270,297; Jan. 20.
Hercules Powder Company. (See Ray, Philip A., assignor.)
Herendeen, Charles, Chicago, Ill. Life saving device. 2,270,437; Jan. 20.
Hermansson, Emil W., Gothenburg, Sweden. Variable-speed ratchet gearing. 2,270,797; Jan. 20.
Herreshoff, Alexander G. (See Woolson, H. T., Herreshoff, Hicks, and Parker.)
Herreshoff, Alexander G. (See Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt.)
Herstein, Karl M., Brooklyn, N. Y., assignor to Acrolein Corporation. Production of acrolein. 2,270,705; Jan. 20.
Heublein, G. F., & Bro. (See Dowd, John H., assignor.)
Heymann, Karl, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Dyeing vinyl polymers. 2,270,706; Jan. 20.
Hibert, Charles L., La Jolla, Calif., assignor to Sciaky Corporation, Chicago, Ill. Cleaning tool for spot-welding electrodes. 2,270,835; Jan. 20.
Hicks, Harold A. (See Woolson, H. T., Herreshoff, Hicks, and Parker.)
Hicks, Harold A. (See Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt.)
Hight, William E., Bayonne, N. J. Shoe cleaner and color striper. 2,270,298; Jan. 20.
Hill, Ira B., Kent, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Multiple pin tensioning means. 2,270,438; Jan. 20.
Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Sulphonic acids of amidines. 2,270,755; Jan. 20.
Hi-Speed Tire and Accessory Company. (See Schnebelen, Paul A., assignor.)
Hoffman-La Roche Inc. (See Isler, Otto, assignor.)
Hogg, Patrick M. (See Waldron, F. B., Hogg, and Baillie.)
Hokstad, William, Souris, Manitoba, assignor of fifty per cent to B. Dellar, Winnipeg, Manitoba, Canada. Tappet silencer. 2,270,633; Jan. 20.
Holland Brass Works. (See Liska, William F., assignor.)
Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Geochemical prospecting. 2,270,299; Jan. 20.
Hosking, George T., Stoughton, Mass. Combination lock with electrical switch control. 2,270,439; Jan. 20.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Machine for assembling spouts to containers. 2,270,300; Jan. 20.
Howe, Harold, New York, N. Y. Horn signaling device for motor vehicles. 2,270,682; Jan. 20.
Howe, Paul J., Ridgewood, N. J., and C. H. Wyss, Jr., assignors to The Western Union Telegraph Company, New York, N. Y. Illuminated sign. 2,270,301; Jan. 20.
Hubacher, Earl F. (See Blood, H. E., and Hubacher.)
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Humski, John J., Cicero, Ill. Sighting means for firearms. 2,270,707; Jan. 20.
Hunter, Emmett B., Sioux City, Iowa. Brine apparatus. 2,270,372; Jan. 20.
Hunter, Louis N., and B. T. du Pont, Johnstown, Pa., assignors to The National Radiator Company. Apparatus for heating liquids. 2,270,440; Jan. 20.
Huntoon, Russell C. (See Bignell, J. R., and Huntoon.)
Hutchins, Hugh A. (See Clark, Gerald I., assignor.)
Hygrade Sylvania Corporation. (See Scribner, Kenneth R., assignor.)
Hymans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Elevator safety device. 2,270,441; Jan. 20.
I. G. Farbenindustrie Aktiengesellschaft. (See Kallmann, H. I., and Kuhn, assignors.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Industrial Patents Corporation. (See Christy, Walter C., assignor.)
Ingersoll-Rand Company. (See Doyle, Frank B., assignor.)
Innis, Speiden & Co. (See Ladd, Edward T., assignor.)
Interchemical Corporation. (See Johnson, C. S., and Walline, assignors.)
International Engineering Corporation. (See Sowa, Frank J., assignor.)
International Smelting and Refining Company. (See Johnson, G. E., Bowman, and Knox, assignors.)
International Standard Electric Corporation. (See Black, Donald H., assignor.)
International Standard Electric Corporation. (See Terman, Frederick E., assignor.)
International Telephone Development Co. Inc. (See Alford, Andrew, assignor.)
Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,270,302; Jan. 20.
Ipatieff, Vladimir N., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogenation of hydrocarbons. 2,270,303; Jan. 20.
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Isler, Otto, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Manufacture of condensation products from trimethyl-hydroquinone. 2,270,634; Jan. 20.
Jack, William A., 3rd. (See Parkinson, J. S., Dunbar, and Jack.)
Jacobsson, Wilgot J., Plainfield, N. J., assignor to Oxweld Acetylene Company. Gas regulation and pressure control apparatus. 2,270,304; Jan. 20.
Jahant, Charles J., Akron, W. C. McCoy, Shaker Heights, and H. T. Kraft, assignors to The General Tire & Rubber Company, Akron, Ohio. Vehicle brake pulsator and braking. 2,270,586; Jan. 20.
Janeček, František, Prague-Nusle, Czechoslovakia. Automatic firearm. 2,270,683; Jan. 20.
Jares, Joseph, Brooklyn, N. Y. Colored flame production and control. 2,270,442; Jan. 20.
Jares, Joseph, Teaneck, N. J. Flame production and control. 2,270,443; Jan. 20.
Jefferies, Samuel L., Gaffney, S. C. Water cooled impression tray. 2,270,836; Jan. 20.
Jenness, Leslie G., Englewood, N. J., assignor, by mesne assignments, to Vanadium Corporation of America, New York, N. Y. Recovery of vanadium from vanadium bearing materials. 2,270,444; Jan. 20.
Jenness, Leslie G., Englewood, N. J., assignor, by mesne assignments, to Vanadium Corporation of America, New York, N. Y. Recovery of vanadium, uranium and radium from their ores. 2,270,445; Jan. 20.
Jennings, Andrew B. (See Middleton, E. B., and Jennings.)
Jeter, Edgar C. (See McCarroll, R. H., Jeter, and Kroy.)
Johns-Manville Corporation. (See Chambers, John A., assignor.)
Johns-Manville Corporation. (See Parkinson, J. S., Dunbar, and Jack, assignors.)
Johns-Manville Corporation. (See Parkinson, J. S., and Lucius, assignors.)
Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Honing machine. 2,270,590; Jan. 20.
Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Grinding machine. 2,270,446; Jan. 20.
Johnson, Carl S., Park Ridge, and E. E. Walline, Chicago, Ill., assignors to Interchemical Corporation, New York, N. Y. Method and apparatus for drying printing inks. 2,270,654; Jan. 20.
Johnson, Corydon M., and H. V. Marshall, Freeport, N. Y. Razor. 2,270,800; Jan. 20.
Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Apparatus for honing roller bearing cup members. 2,270,525; Jan. 20.
Johnson, Gunnard E., Hammond, R. G. Bowman, Gary, and W. J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company, East Chicago, Ill. Electrochemical method of producing white lead. 2,270,783; Jan. 20.
Johnson, Rubel M., Crossett, Ark. Set stabilizer for paper winders. 2,270,806; Jan. 20.
Johnson, Tomlinson F., Atlanta, Ga. Bolted connecting clamp for line conductors. 2,270,807; Jan. 20.

Jones, Colin C., Inglewood, assignor to Chemical Reclaiming Sales Co., Inc., Los Angeles, Calif. Reclaiming spent cleaning fluid. 2,270,837; Jan. 20.
Jones, Ervin M., J. L. Smith, and S. H. Trinneer, Aberdeen, Wash. Tank testing device. 2,270,447; Jan. 20.
Jones, Harry S., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,270,732; Jan. 20.
Jones, Mary, et al. (See Nash, William C., assignor.)
Jones, Mary N., et al. (See Nash, William M., assignor.)
Juhl, Aage C., Los Angeles, Calif. Adjustable tie for concrete forms. 2,270,448; Jan. 20.
Jurist, Alfred E. (See Christiansen, W. G., and Jurist.)
Juul, Christian N., Highwood, Ill. Envelope. 2,270,305; Jan. 20.
Kahn, Alfred, Ozone Park, N. Y., assignor to Radio Corporation of America. Electrical phase shifting device. 2,270,449; Jan. 20.
Kalin, Albert, Cleveland, Ohio. Governor. 2,270,306; Jan. 20.
Kaliska, William G., Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Carton closing mechanism. 2,270,820; Jan. 20.
Kallmann, Hartmut I., Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Neutron image converter. 2,270,373; Jan. 20.
Kanitz, Georges, Saint-Cloud, France. Intaglio printing. 2,270,374; Jan. 20.
Karnes, James C., Buffalo, N. Y. Detector for invisible radiation. 2,270,307; Jan. 20.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,270,450; Jan. 20.
Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,270,821; Jan. 20.
Kaye, Robert L., Newark, N. J. Building unit. 2,270,808; Jan. 20.
Kaye, Robert L., Newark, N. J. Masonry building unit. 2,270,809; Jan. 20.
Kear, Frank G., Washington, D. C. Electrical control system. 2,270,308; Jan. 20.
Keckley, Harold M., Fort Jennings, Ohio. Automatic computing and billing meter attachment. 2,270,591; Jan. 20.
Keeran, Charles R., Evanston, Ill. Pocketknife. 2,270,655; Jan. 20.
Kehle, Ottmar A., West Los Angeles, Calif., assignor, by mesne assignments, to Sterling Tool Products Co., Chicago, Ill. Rubbing machine. 2,270,309; Jan. 20.
Keller, Ernst, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Stilbene dyestuffs and their manufacture. 2,270,451; Jan. 20.
Kelley, Elmer E., Windsor, Vt. Machine tool. 2,270,310; Jan. 20.
Kellogg, M. W., Co., The. (See Layng, E. T., and Rubin, assignors.)
Kende, George, New York, N. Y., and P. J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Camera. 2,270,311; Jan. 20.
Kern, Charles J., Buffalo, N. Y. Pipe cleaning device. 2,270,452; Jan. 20.
Kern, Jean G., Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Coloring composition. 2,270,756; Jan. 20.
Kern, Raymond C., Green Lane, Pa. Drawbar selector for electric organs and the like. 2,270,453; Jan. 20.
Kerr, James G., Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Transfer sheet control. 2,270,733; Jan. 20.
Keyser, Edwin, and S. Prusinski, Cleveland, Ohio, assignor of one-third to S. Cooper, New York, N. Y. Method of and apparatus for recovering precious ores. 2,270,526; Jan. 20.
Kiesecker, Jules P., New York, N. Y. Furniture. 2,280,656; Jan. 20.
King, James T., Burbank, Calif. Hose clamp. 2,270,375; Jan. 20.
Kinzie, Charles J., R. P. Easton, and V. V. Efimoff, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Preparation of zirconium dioxide. 2,270,527; Jan. 20.
Kirschenbaum, Samuel, Brooklyn, N. Y. Comb. 2,270,528; Jan. 20.
Kirschenbaum, Samuel, Brooklyn, N. Y. Comb. 2,270,529; Jan. 20.
Kirschenbaum, Samuel, Brooklyn, N. Y. Comb. 2,270,530; Jan. 20.
Kirschbraun, Lester, assignor to The Patent and Licensing Corporation, New York, N. Y. Shingle and like material. 2,270,734; Jan. 20.
Kitzmiller, James H., Reading, Pa. Automatic choke for gun barrels. 2,270,592; Jan. 20.
Klarer, Josef. (See Behnisch, R., Klarer, and Mietzsch.)
Klarfield, Richard, New York, N. Y. Illuminated compact. 2,270,636; Jan. 20.
Kloos, Gerard, Mount Vernon, assignor to Philips Metalix Corporation, New York, N. Y. X-ray apparatus. 2,270,531; Jan. 20.
Kloran, James J., Cumberland, Md., assignor to Celanese Corporation of America. Yarn package holder. 2,270,312; Jan. 20.
Klyver, Albert N. (See Taylor, W. J., Regan, Klyver, and Kuhn.)
Knefel, Stanley C., St. Louis, Mo. Boiler return and vacuum trap. 2,270,532; Jan. 20.
Knox, William J., Jr. (See Johnson, G. E., Bowman, and Knox.)
Knudsen, Richard R., Chicago, Ill. Screw and nut gearing. 2,270,735; Jan. 20.
Knutte, Joseph F., Chicago, Ill. Safety bumper. 2,270,533; Jan. 20.
Komar, Joseph F., Youngstown, Ohio. Liquid fuel burner. 2,270,637; Jan. 20.
Kopisch, Arthur F., Blackwell, Okla. Electric cable fly killer. 2,270,684; Jan. 20.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Therapeutic method and apparatus. 2,270,313; Jan. 20.
Kraft, Herman T. (See Jahant, C. J., McCoy, and Kraft.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Horizontal balance. 2,270,657; Jan. 20.
Kraus, John D., Ann Arbor, Mich. Corner reflector antenna. 2,270,314; Jan. 20.
Kraut, Samuel B., Cleveland Heights, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 2,270,801; Jan. 20.
Krebser, Adolf, Riehen, near Basel, and W. Bossard, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs and their manufacture. 2,270,454; Jan. 20.
Kristensen, Aksel, Detroit, Mich. Article Hanger. 2,270,802; Jan. 20.
Kroy, Walter. (See McCarroll, R. H., Jeter, and Kroy.)
Krueger, Carl F., Detroit, Mich. Window. 2,270,315; Jan. 20.
Kuhn, Clarence W., and R. O. Perrine, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,270,736; Jan. 20.
Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Finish for working surface of laundry irons and the like. 2,270,316; Jan. 20.
Kuhn, Paul R. (See Taylor, W. J., Regan, Klyver, and Kuhn.)
Kunz, Paul A., Le Locle, Switzerland. Time fuse for artillery projectiles. 2,270,534; Jan. 20.
Kurath, Ernest, J. F. Campbell, and J. M. Ness, Milwaukee, Wis. Storage receptacle and conditioner for paint brushes. 2,270,593; Jan. 20.
Ladd, Edward T., Lewiston Heights, assignor to Innis, Speiden & Co., Niagara Falls, N. Y. Treating alkali metal hydroxide solutions. 2,270,376; Jan. 20.
La-Del Conveyer & Manufacturing Company. (See Bebinger, Charles N., assignor.)
La Forest, Louis Z. (See Dunning, O. M., and La Forest.)
Lamson Corporation. (See Taylor, W. J., Regan, Klyver, and Kuhn, assignors.)
Land, Edwin H., Boston, and C. D. West, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del. Polyvinyl alcohol having high birefringence. 2,270,323; Jan. 20.
Land, Edwin H., Wellesley Farms, and C. J. T. Young, Boston, Mass., assignors, by mesne assignments, to Polaroid Corporation, Dover, Del. Light polarizer and optical system employing the same. 2,270,535; Jan. 20.
Lang, Charles W. (See Mills, J., and Lang.)
Langdon, Jesse D., Los Angeles, Calif. Siphon breaker and valve. 2,270,737; Jan. 20.
Langdon, Jesse D., Los Angeles, Calif., assignor to Eureka Vacuum Breaker Corporation, Kings County, N. Y. Siphon breaker and valve. 2,270,838; Jan. 20.
La Place, Desmond R., assignor to Bocji Corporation, Pittsburgh, Pa. Staple package. 2,270,803; Jan. 20.
Larriva, Genaro A., Tucson, Ariz. Condenser. 2,270,810; Jan. 20.
Larson, Frederick N., U. S. Navy. Automatic release coupling. 2,270,317; Jan. 20.
Lau, Edgar B. (See Talmage, C. R., and Lau.)
Lauppe, Alfred A. (See White, James F., assignor.)
Layng, Edwin T., and L. C. Rubin, assignors to The M. W. Kellogg Co., Jersey City, N. J. Catalytic treatment of petroleum distillates. 2,270,715; Jan. 20.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Vacuum cleaner pneumatic annunciator. 2,270,318; Jan. 20.
Lenning, Carroll K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Transmission drive cooling system. 2,270,536; Jan. 20.
Leonard, William D., assignor to York Ice Machinery Corporation, York, Pa. Adjustable balance seal. 2,270,811; Jan. 20.
Leuser, Josef, Pforzheim, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Soldering alloy. 2,270,594; Jan. 20.
Levin, Abraham S. (See Norton, J. L., and Levin.)
Lewis, Joseph D., Santa Barbara, Calif. Lawn sprinkler. 2,270,595; Jan. 20.
Libbey-Owens-Ford Glass Company. (See Crowley, J. P., and Goralske, assignors.)
Libbey-Owens-Ford Glass Company. (See Morris, Joseph R., assignor.)

Libbey-Owens-Ford Glass Company. (See Paddock, Ormond H., assignor.)
Libbey-Owens-Ford Glass Company. (See Putnam, Erle T., assignor.)
Lichter, Malvin, New York, N. Y. Mailing circular. 2,270,455; Jan. 20.
Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricant and method of preparing same. 2,270,319; Jan. 20.
Lightfoot, Edwin N., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Thermostatic apparatus. 2,270,738; Jan. 20.
Liguori, Giovanni, Rome, Italy. Magnetic head for electromagnetic sound recording and reproducing apparatus. 2,270,320; Jan. 20.
Linnhoff, Wolfgang, Berlin-Lankwitz, Germany, assignor to North American Rayon Corporation, New York, N. Y. Treatment of textile materials. 2,270,658; Jan. 20.
Lippincott, George H. (See Ruppert, E. H., and Lippincott.)
Liska, William F., assignor to Holland Brass Works, Chicago, Ill. Card holder. 2,270,757; Jan. 20.
Livingston, Philip C. (See Clarke, C., and Livingston.)
Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diode oscillator. 2,270,638; Jan. 20.
Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,270,673; Jan. 20.
Lord Manufacturing Company. (See Lord, Hugh C., assignor.)
Lott, Parker M., Warren, Pa. Print drier. 2,270,321; Jan. 20.
Lovell Manufacturing Company. (See Kauffman, Walter L., II., assignor.)
Lowry, Charles D., Jr., assignor to Universal Oil Products Company, Chicago, Ill. Sweetening hydrocarbon distillate. 2,270,322; Jan. 20.
Lucius, William I. (See Parkinson, J. S., and Lucius.)
Ludington, Charles T., Ardmore, Pa. Building. 2,270,537; Jan. 20.
Ludington, Charles T., Ardmore, Pa. Building structure. 2,270,538; Jan. 20.
Lummus Cotton Gin Co. (See Grimes, Thaddeus S., assignor.)
Lyon, Harry, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pinking machine. 2,270,456; Jan. 20.
MacKenzie-Kennedy, Betty, administratrix. (See MacKenzie-Kennedy, Chesseborough J. H.)
MacKenzie-Kennedy, Chessborough J. H., deceased; B. MacKenzie-Kennedy, New York, N. Y., administratrix. Airplane. 2,270,635; Jan. 20.
Malling, Leonard R., Douglaston, N. Y., assignor to Hazeltine Corporation. Intertube intermediate-frequency coupling system. 2,270,539; Jan. 20.
Mallory, Wilhelm E., Ann Arbor, Mich. Treating liquids. 2,270,540; Jan. 20.
Manuel, Charles J., Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Autographic register. 2,270,739; Jan. 20.
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marshall, Howeth V. (See Johnson, C. M., and Marshall.)
Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Igniting electrode arrangement and method. 2,270,324; Jan. 20.
Martin, Charles A., Buffalo, N. Y. Apparatus for forming aerated concrete slabs. 2,270,541; Jan. 20.
Martin, Erle, West Hartford, and J. E. Anderson, Portland, assignors to United Aircraft Corporation, East Hartford, Conn. Antifriction bearing. 2,270,542; Jan. 20.
Martin, John B., Glen Ridge, N. J. Apparatus for comparing the color of liquid coffee. 2,270,457; Jan. 20.
Mason, Collins. (See Drennon, William M., assignor.)
Mathieson Alkali Works, Inc., The. (See Petroe, Gregory A., assignor.)
Matthews, Norris W., Caldwell, Ohio. Auxiliary electrode for ground resistance measurement. 2,270,325; Jan. 20.
Mayer, Harry. (See Crocella, T., and Mayer.)
McAdoo, James H., St. Joseph, Mo. Headlight control mechanism. 2,270,458; Jan. 20.
McCarroll, Russell H., Dearborn, and E. C. Jeter and W. Kroy, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Centrifugal casting. 2,270,822; Jan. 20.
McConnaughay, Kenneth E., Otterbein, Ind. Pavement. 2,270,459; Jan. 20.
McCoy, William C. (See Jahant, C. J., McCoy, and Kraft.)
McDowell, Irving. (See Elze, W. C., and McDowell.)
McLauchlin, Laurence V., Detroit, Mich., assignor to National Display Ads, Inc., Madison, Wis. Advertising device. 2,270,377; Jan. 20.
McMillan, Frank M. (See de Simo, M., and McMillan.)
McWeeney, Lawrence R. (See Gibney, Joseph W., assignor.)
Medlen, John H., Red Cloud, Nebr. Shears. 2,270,596; Jan. 20.
Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Company, Chicago, Ill. Governor mechanism for adding machines. 2,270,460; Jan. 20.
Mellink Steel Safe Company, The. (See Peiter, George F., assignor.)
Meinzinger, George M., Rockwood, assignor to Chrysler Corporation, Highland Park, Mich. Tire removing tool. 2,270,758; Jan. 20.
Meinzinger, George M., Rockwood, assignor to Ball & Ball Carburetor Company, Detroit, Mich. Tire removing tool. 2,270,759; Jan. 20.
Melaven, Ralph M., Highland, Ind., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Cracking oil with catalysts. 2,270,812; Jan. 20.
Merrell, Cleburne H., Beaumont, Tex. Internal combustion engine. 2,270,597; Jan. 20.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 2,270,708; Jan. 20.
Mershon, Alfred V., Scotia, N. Y., assignor to General Electric Company. Transmission dynamometer. 2,270,760; Jan. 20.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heat exchange and ventilating system. 2,270,823; Jan. 20.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,270,824; Jan. 20.
Meyn, Paul F., assignor to The Gaertner Scientific Corporation, Chicago, Ill. Oxygen supply control mechanism. 2,270,659; Jan. 20.
Michigan Tool Company. (See Rovick, John D., assignor.)
Middleton, Edmund B., Metuchen, and A. B. Jennings, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, Wilmington, Del. Photographic sensitizing dye. 2,270,378; Jan. 20.
Miescher, Karl, Riehen, and W. Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Sugar derivatives of compounds of the suprarenal cortical hormone series and making the same. 2,270,379; Jan. 20.
Miescher, Karl, Riehen, W. Fischer and J. Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Sugar derivatives of nonsteroids having the effect of steroid hormones, and making the same. 2,270,380; Jan. 20.
Mietzsch, Fritz. (See Behnisch, R., Klarer, and Mietzsch.)
Miller, Clemmy O., Milwaukee, Wis., and A. E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y. Manufacture of reactive forms of cellulose and the like. 2,270,326; Jan. 20.
Miller, Elwood, Reinbeck, Iowa. Knee brace. 2,270,685; Jan. 20.
Miller, Frank J., South Milwaukee, and F. Sperling, Milwaukee, Wis. Conditioning apparatus for steam heating systems. 2,270,784; Jan. 20.
Mills, John, and C. W. Lang, Philadelphia, Pa. Method and apparatus for cooking foods. 2,270,327; Jan. 20.
Mills, Robert A., Leeds, England. Apparatus for drawing, plotting and reading graphs. 2,270,461; Jan. 20.
Mining Engineering Company Limited, The. (See Duncan, Angus W., assignor.)
Misfeldt, Charles C., Glendale, Calif. Making ordnance alloys. 2,270,660; Jan. 20.
Mitchell, Allister S., Troy Township, Oakland County, H. M. Ratley, Highland Park, and C. J. Davies, assignors to National Automotive Fibres, Inc., Detroit, Mich. Sewing mechanism. 2,270,761; Jan. 20.
Monroe Calculating Machine Company. (See Britten, Edwin F., Jr., assignor.)
Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Spring collet. 2,270,661; Jan. 20.
Moore, Howard N., Washington, D. C. Impelling device. 2,270,686; Jan. 20.
Morgan, Missouri B., Maud, Tex. Seat cover. 2,270,598; Jan. 20.
Morley, Herbert F., and R. E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Morley. Speed indicator for motor vehicles. 2,270,599; Jan. 20.
Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Cold rolled silicon steel strip. 2,270,762; Jan. 20.
Morris, Alan, Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Copper alloy. 2,270,716; Jan. 20.
Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,270,462; Jan. 20.
Morrison, Thomas R., Blackwell, Okla. Zinc smelter retort charging machine. 2,270,381; Jan. 20.
Morse, Ralph W., San Bernardino, Calif. Curb indicator signal. 2,270,687; Jan. 20.
Moyer, Wendell W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of levulinic acid. 2,270,328; Jan. 20.
Murcell, U. C., Inc. (See Pierce, Firth, assignor.)
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine safety razor. 2,270,543; Jan. 20.

Muros, Joseph. (See Stampleman, S. C., and Muros.)
Nash, Marie D., et al. (See Nash, William C., assignor.)
Nash, Roy A., et al. (See Nash, William C., assignor.)
Nash, Russell K., Brookline, assignor to B. B. Chemical Co., Boston, Mass. Flexible nozzle. 2,270,463; Jan. 20.
Nash, William C., assignor of one-fourth to M. Jones, Neenah, one-fourth to W. M. Nash, Menasha, Wis., one-fourth to R. A. Nash, Bronxville, N. Y., and one-fourth to M. D. Nash, Neenah, Wis. Vacuum roll 2,270,464; Jan. 20.
Nash, William C., assignor of one-fourth to M. Jones, Neenah, one-fourth to W. M. Nash, Menasha, Wis., one-fourth to R. A. Nash, Bronxville, N. Y., and one-fourth to M. D. Nash, Neenah, Wis. Papermaking machinery. 2,270,465; Jan. 20.
Nash, William M., Menasha, assignor of one-fourth to M. N. Jones and one-fourth to M. D. Nash, Neenah, Wis., and one-fourth to R. A. Nash, Bronxville, N. Y. Shaft collar. 2,270,466; Jan. 20.
Nash, William M., et al. (See Nash, William C., assignor.)
National Radiator Company, The. (See Hunter, L. N., and du Pont, assignors.)
Nauert Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,270,544; Jan. 20.
National Automotive Fibres, Inc. (See Mitchell, A. S., Ratley, and Davies, assignors.)
National Display Ads Inc. (See McLauchlin, Laurence V., assignor.)
National Folding Box Company. (See Carruth, Herman A., assignor.)
National Folding Box Company. (See Ringler, William A., assignor.)
National Screw & Manufacturing Company, The. (See Baker, Charles W., assignor.)
National Tube Company. (See Roemhild, Edmund O., assignor.)
Neal, Morris P., Quincy, Ill. Carton sealing machine. 2,270,329; Jan. 20.
Neff, Wallace, Hollywood, Calif. Building construction. 2,270,229; Jan. 20.
Nekoosa-Edwards Paper Company. (See Crain, Richard C., assignor.)
Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Fluid coupling drive. 2,270,545; Jan. 20.
Nerney, Frank J., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,270,330; Jan. 20.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,270,382; Jan. 20.
Ness, Joseph M. (See Kurath, E., Campbell, and Ness.)
Neuland, Alfons H., Cleveland, Ohio. Ejector device. 2,270,546; Jan. 20.
New Britain Machine Company, The. (See Montgomery, Donald H., assignor.)
Nichols, Harold W., Cincinnati, Ohio. Garment bag. 2,270,547; Jan. 20.
Nixon, Alan C. (See Caselli, A. V., and Nixon.)
Noble, Ross, Cleveland, Ohio. Pin holder. 2,270,331; Jan. 20.
Nofziger, Jay C., Los Angeles, Calif. Display card. 2,270,763; Jan. 20.
Norgaard, Donald E., Cohoes, N. Y., assignor to General Electric Company. Amplifier coupling circuit. 2,270,764; Jan. 20.
North American Rayon Corporation. (See Linnhoff, Wolfgang, assignor.)
North American Rayon Corporation. (See Miller, C. O., and Siehrs, assignors.)
Norton, John L., and A. S. Levin, Philadelphia, Pa.; said Norton assignor to said Levin. Beverage dispensing apparatus. 2,270,383; Jan. 20.
Nowosielski, Edward B., Bloomfield, assignor to Edison-Splitdorf Corporation, West Orange, N. J. Spark plug. 2,270,765; Jan. 20.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,270,467; Jan. 20.
Oehler, Alvin W. (See Pilcher, H. W., and Oehler.)
Ohlson, Georg E., Stenberga, Klinten, Sweden. Adjusting device, particularly for brakes of motor vehicles. 2,270,600; Jan. 20.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Preassembled screw and lock washer unit. 2,270,813; Jan. 20.
Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Boring cartridge for piston rings. 2,270,548; Jan. 20.
Orr, Glenn H., assignor to The General Tire & Rubber Company, Akron, Ohio. Control valve for fluid operated devices. 2,270,549; Jan. 20.
Osborn, Henry C., Jr., Cleveland Heights, assignor to Glascote Products, Inc., Euclid, Ohio. Pressure relief valve. 2,270,332; Jan. 20.
Osborn, Henry C., Jr., Cleveland Heights, assignor to Glascote Products, Inc., Euclid, Ohio. Pressure relief valve. 2,270,333; Jan. 20.
Osborn, Henry C., Jr., Cleveland Heights, assignor to Glascote Products, Inc., Euclid, Ohio. Pressure relief valve. 2,270,468; Jan. 20.
Osborn, Henry C., Jr., Cleveland Heights, assignor to Glascote Products, Inc., Euclid, Ohio. Pressure relief valve. 2,270,469; Jan. 20.
Oster Manufacturing Company, The. (See Tewksbury, Roger, assignor.)
Oswald, John, Lansing, assignor to General Motors Corporation, Detroit, Mich. Combined steering wheel and horn ring. 2,270,550; Jan. 20.
Otis Elevator Company. (See Hymans, Frederick, assignor.)
Overbeck, Wilcox P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc tube system. 2,270,601; Jan. 20.
Owens-Illinois Glass Company. (See Belada, John, assignor.)
Owens-Illinois Glass Company. (See Belig, Charles M., assignor.)
Oxweld Acetylene Company. (See Jacobsson, Wilgot J., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Paddock, Ormond H., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending glass sheets. 2,270,470; Jan. 20.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 2,270,334; Jan. 20.
Palmer, Granville E., Cambridge, Mass., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric meter connection appliance. 2,270,228; Jan. 20.
Parker, Glenn H. (See Woolson, H. T., Herreshoff, Hicks, and Parker.)
Parker, Glenn H. (See Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt.)
Parkinson, John S., North Plainfield, N. J., J. Y. Dunbar, New York, N. Y., and W. A. Jack, 3rd, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Vibration isolator. 2,270,335; Jan. 20.
Parkinson, John S., North Plainfield, N. J., and W. I. Lucius, Bronxville, N. Y., assignors to Johns-Manville Corporation, New York, N. Y. Sound-absorbing structure. 2,270,825; Jan. 20.
Parks, Joseph A., Jr., Radburn, assignor to Champlain Corporation, Garfield, N. J. Cutting apparatus. 2,270,639; Jan. 20.
Patent and Licensing Corporation, The. (See Groskopf, Edwin O., assignor.)
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes." (See Biersack, Richard, assignor.)
Paulus, Charles L., Dayton, Ohio. Vibration absorber. 2,270,336; Jan. 20.
Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)
Pearce, Noble, Equality, Ill. Wheel alignment indicator. 2,270,230; Jan. 20.
Peiter, George F., assignor to The Meilink Steel Safe Company, Toledo, Ohio. Multidrawer fire resistant filing cabinet. 2,270,551; Jan. 20.
Pensak, Louis, Brooklyn, N. Y., assignor to Radio Corporation of America. Electrical contact assembly. 2,270,337; Jan. 20.
People in the territory of the United States. (See Dutky, S. R., and Fest, assignors.)
Perrine, Robert O. (See Kuhn, C. W., and Perrine.)
Person, Axel, assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,270,338; Jan. 20.
Peters, Stanley E., Chicago, Ill., assignor to H. Baumgarth. Blow torch. 2,270,826; Jan. 20.
Petroe, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chlorination system. 2,270,785; Jan. 20.
Petrolite Corporation. (See De Groote, Melvin, assignor.)
Philips Metalix Corporation. (See Kloos, Gerard, assignor.)
Phillips, Earl E. (See Bergstrom, R. F., and Phillips.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Pierce, Firth, East Los Angeles, assignor to U. C. Murcell, Inc., Los Angeles, Calif. Weld head support and aligning device for welding. 2,270,766; Jan. 20.
Pikul, Joseph H., Boston, Mass., and S. W. Avis, Providence, R. I., assignors to The Reece Button Hole Machine Company, Boston, Mass. Button sewing machine. 2,270,552; Jan. 20.
Pilat, Stanislaw, and M. Godlewicz, Lemberg, Poland, assignors to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures. 2,270,674; Jan. 20.
Pilcher, Harold W., Rock Island, and A. W. Oehler, assignors to Deere & Company, Moline, Ill. Auger conveyer for harvester platforms. 2,270,471; Jan. 20.
Pilkington Brothers Limited. (See Baillie, G. H., and Waldron, assignors.)
Pilkington Brothers Limited. (See Waldron, F. B., Hogg, and Baillie, assignors.)
Pintsch, Julius, Kommandit-Gesellschaft. (See Schneider, Hermann, assignor.)
Pison, William L. (See Schindler, Paul, assignor.)

Pittaluga, Stefano, San Leandro, Calif. Fruit and vegetable juice filling machine. 2,270,709; Jan. 20.

Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding equipment. 2,270,767; Jan. 20.

Polaroid Corporation. (See Land, E. H., and West, assignors.)

Polaroid Corporation. (See Land, E. H., and Young, assignors.)

Polin, Herbert S., New York, N. Y., and J. F. Aims, Teaneck, N. J., assignors to The Great Atlantic and Pacific Tea Company. Analytic roasting control and method. 2,270,768; Jan. 20.

Polney, John, Elizabeth, N. J. Burner. 2,270,602; Jan. 20.

Poole, Lora E., and E. R. Fausset, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Machine for manufacturing armatures with bar windings. 2,270,472; Jan. 20.

Porcelli, Patrick, Chicago, Ill. Paper trimmer or the like. 2,270,473; Jan. 20.

Portman-Dixon, Ernest K., Teddington, England. Sorting of perforated cards and sheets. 2,270,786; Jan. 20.

Potito, Ralph J., Revere, Mass. Playing ball cover. 2,270,553; Jan. 20.

Potts, Louis M., Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill. Extension circuit system. 2,270,339; Jan. 20.

Precision Metal Workers. (See Birr, Rudolph G., assignor.)

Pritchard, Percy, Barnt Green, England. Apparatus for metal casting. 2,270,340; Jan. 20.

Prusinski, Stanley. (See Keyser, E., and Prusinski.)

Pugh, Guy L. (See Pugh, Merlin L., assignor.)

Pugh, Merlin L., assignor to G. L. Pugh, Minneapolis, Minn. Battery tester. 2,270,554; Jan. 20.

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Forming composite building blocks. 2,270,555; Jan. 20.

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the manufacture of building blocks. 2,270,556; Jan. 20.

Quadrex Corporation. (See Leathers, Ward, assignor.)

Quick, Harold O., Syracuse, N. Y. Signal system. 2,270,769; Jan. 20.

Radio Corporation of America. (See Batsel, Cecil N., assignor.)

Radio Corporation of America. (See Burrill, Charles M., assignor.)

Radio Corporation of America. (See Hall, Walter S., Jr., assignor.)

Radio Corporation of America. (See Kahn, Alfred, assignor.)

Radio Corporation of America. (See Pensak, Louis, assignor.)

Radio Corporation of America. (See Schomacker, Max T., assignor.)

Radio Corporation of America. (See Strutt, M. J. O., and van der Ziel, assignors.)

Radio Corporation of America. (See Wolfe, Wallace V., assignor.)

Radio Patents Corporation. (See Bach, Henry M., assignor.)

Randall, Alfred, Miami, Fla. Automobile shelf. 2,270,557; Jan. 20.

Raney, Marion H., Long Island City, N. Y., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Coated steel article. 2,270,662; Jan. 20.

Ransburg, Harold P., assignor to H. J. Ransburg, Indianapolis, Ind., doing business as Harper J. Ransburg Company. Coating granular materials. 2,270,341; Jan. 20.

Ransburg, Harper J. (See Ransburg, Harold P., assignor.)

Ransburg, Harper J., Company. (See Ransburg, Harold P., assignor.)

Ratley, Harold M. (See Mitchell, A. S., Ratley, and Davies.)

Ray, Philip A., assignor to Hercules Powder Company, Wilmington, Del. Foundry mold wash. 2,270,770; Jan. 20.

Raymond Bag Company, The. (See Sharkey, William E., assignor.)

Raytheon Manufacturing Company. (See Marshall, Laurence K., assignor.)

Raytheon Manufacturing Company. (See Overbeck, Wilcox P., assignor.)

Recher, George D., Chicago, Ill. Highway lighting system. 2,270,474; Jan. 20.

Reda Pump Company. (See Arutunoff, Armais, assignor.)

Reddir Inc. (See Ridder, Bernard H., assignor.)

Reece Button Hole Machine Company, The. (See Pikul, J. H., and Avis, assignors.)

Reinsch, Harry O., Compton, Calif. Automatic perforating and scoring rule. 2,270,475; Jan. 20.

Regan, John E. (See Taylor, W. J., Regan, Klyver, and Kuhn.)

Rémondy, Georges H., et al. representatives. (See Rémondy, Léon E.)

Rémondy, Léon E., deceased, Paris, France; Marie L. Arbey and Georges H. Rémondy, representatives. Sensitive percussion fuse. 2,270,342; Jan. 20.

Rhodes, William A. (See Bascom, H. M., and Rhodes.)

Ridder, Bernard H., New York, N. Y., assignor to the firm Reddir Inc., Wilmington, Del. Humidification of goods and air conditioning of containers. 2,270,603; Jan. 20.

Riegler, Friedrich, Munich, Germany. Adjustable spectacle temples. 2,270,558; Jan. 20.

Ring, Harold H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Cabinet construction for ranges and the like. 2,270,710; Jan. 20.

Ringler, William A., Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn. Collapsible box. 2,270,343; Jan. 20.

Robertson, John M., Ottawa, Ontario, Canada. Internal combustion engine. 2,270,231; Jan. 20.

Robinson, William M., Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitor. 2,270,740; Jan. 20.

Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,270,640; Jan. 20.

Roemhild, Edmund O., Pittsburgh, Pa., assignor to National Tube Company. Driving coupling for pipes. 2,270,604; Jan. 20.

Rohrbach, Emil P. (See Haeger, F. W., and Rohrbach.)

Roilin, Georges, Fives-Lille, Nord, assignor to Groupement Francias pour le Development des Recherches Aeronautiques, Paris, Seine, France. Apparatus for measuring pressure. 2,270,476; Jan. 20.

Rolph, Samuel F., and A. Wartian, Detroit, Mich., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Door lock. 2,270,559; Jan. 20.

Romort Manufacturing Company. (See Ewald, Arno A., assignor.)

Roper, Geo. D., Corporation. (See Ring, Harold H., assignor.)

Rorabaugh, Harold G., Otis, Colo. Strainer. 2,270,605; Jan. 20.

Rosaire, Esme E. (See Horvitz, Leo, assignor.)

Rosenthal, Adolph H., New York, N. Y. Television receiving system. 2,270,232; Jan. 20.

Rotter, Walter, Berlin-Friedenau, Germany. Wash arrangement. 2,270,606; Jan. 20.

Rousso, Jacques, Chicago, Ill. Roll towel magazine and feeding device. 2,270,344; Jan. 20.

Rousso, Jacques, Chicago, Ill. Hopper feeding transfer truck and portable conveyer. 2,270,345; Jan. 20.

Rousso, Jacques, Chicago, Ill. Portable transfer and hoist. 2,270,346; Jan. 20.

Rovick, John D., assignor to Michigan Tool Company, Detroit, Mich. Machine and tool for finishing gears. 2,270,741; Jan. 20.

Rowe, Oliver R., et al. (See Bernay, Henri B., assignor.)

Rubin, Louis C. (See Layng, E. T., and Rubin.)

Rudin, Jacob, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Adapter. 2,270,347; Jan. 20.

Ruesenberg, Carl A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,270,477; Jan. 20.

Rumney, Mason P., assignor to Detroit Steel Products Company, Detroit, Mich. Casing construction. 2,270,348; Jan. 20.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Bowling pin support centering mechanism. 2,270,560; Jan. 20.

Ruppert, Edward H., Brooklyn, and G. H. Lippincott, New York, N. Y. Cold water injector for hot water supply pipes. 2,270,641; Jan. 20.

Ryschkewitsch, Eugen, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Ceramic cutting tool. 2,270,607; Jan. 20.

Salimann, Richard. (See Graenacher, C., and Salimann.)

Sanborn, William E., Detroit, Mich. Method of and apparatus for making dentures. 2,270,561; Jan. 20.

Sandberg, Arthur F., Jamaica, N. Y. Circuit controller. 2,270,608; Jan. 20.

Schaad, Raymond E. (See Ipatieff, V., and Schaad.)

Schairer, Albert. (See Sonnentag, T., Schairer, and Ulbricht.)

Schering Corporation. (See Butenandt, A., Dannenbaum, and Schmidt-Thomé, assignors.)

Schermerborne, George D., Reading, Mich. Chair structure. 2,270,562; Jan. 20.

Schindler, Paul, Bayonne, assignor to W. L. Pison, Clifton, N. J. BX cable strip forming machine. 2,270,688; Jan. 20.

Schmid, Max, Riehen, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,270,478; Jan. 20.

Schmidt, George S., York, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Antiskid chain link. 2,270,349; Jan. 20.

Schmidt-Thomé, Josef. (See Butenandt, A., Dannenbaum, and Schmidt-Thomé.)

Schnebelen, Paul A., assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio. Emergency kit. 2,270,563; Jan. 20.

Schneider, Henry J., and L. G. Simpson, assignors to Schneider Lamont, Inc., Rochester, N. Y. Fluid pressure actuating mechanism. 2,270,742; Jan. 20.

Schneider, Hermann, Berlin-Neukolln, assignor of one-half to Julius Pintsch Kommandit-Gesellschaft, Berlin, Germany. Grinding tool. 2,270,691; Jan. 20.

Schneider Lamont, Inc. (See Schneider, H. J., and Simpson, assignors.)

Schomacker, Max T., West Los Angeles, Calif., assignor to Radio Corporation of America. Monitoring system for sound recording. 2,270,350; Jan. 20.

Schonfeld, Wilhelm, Berlin, assignor to Telefunken Gesellschaft für Draftlose Telegraphie m. b. H., Berlin, Zehlendorf, Germany. High frequency oscillation generator. 2,270,771; Jan. 20.

Schröder, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning mechanism for multiband receivers. 2,270,772; Jan. 20.

Schroeder, Bernard A., Evanston, assignor to John Sinko, Chicago, Ill. Cigar lighter. 2,270,564; Jan. 20.

Schroter, Fritz, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Zehlendorf, Germany. Producing ultrashort hertzian waves. 2,270,479; Jan. 20.

Schulte, William H., assignor to Trenton Brass and Machine Company, Trenton, N. J. Fountain. 2,270,351; Jan. 20.

Schulze, Willy, and H. Benecke, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High-power loud-speaker. 2,270,787; Jan. 20.

Schütz, Ludwig, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable pharmaceutical preparation. 2,270,689; Jan. 20.

Schweitzer, Hugo. (See Stein, E., Schweitzer, and Taube.)

Sciaky Corporation. (See Hibert, Charles L., assignor.)

Scott, William J., and L. J. Davies, Rugby, and W. T. Cowhig, Manchester, England, assignors to General Electric Company. Apparatus for filling containers with gas. 2,270,788; Jan. 20.

Scovill Manufacturing Company. (See Seyfried, Arthur W., assignor.)

Scribner, Kenneth R., Ipswich, assignor to Hygrade Sylvania Corporation, Salem, Mass. Lighting fixture. 2,270,814; Jan. 20.

Sealed Power Corporation. (See Olson, Holly M., assignor.)

Searles, Raymond R., assignor to The Fafnir Bearing Company. New Britain, Conn. Pillow block. 2,270,663; Jan. 20.

Seng Company, The. (See Fox, Martin, assignor.)

Servel, Inc. (See Nauert, Carl H., assignor.)

Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Drink mixer agitator. 2,270,480; Jan. 20.

Shankland, Rodney V. (See Melaven, R. M., and Shankland.)

Shannahan, Samuel V., Baltimore, Md. Hydraulic propelling apparatus for boats. 2,270,690; Jan. 20.

Sharkey, William E., assignor to The Raymond Bag Company, Middletown, Ohio. Discarding apparatus for bag feeding mechanism. 2,270,565; Jan. 20.

Shaw, Richard J., Phoenix, Ariz. Chair. 2,270,233; Jan. 20.

Shell Development Company. (See Bergstrom, R. F., and Phillips, assignors.)

Shell Development Company. (See Caselli, A. V., and Nixon, assignors.)

Shell Development Company. (See de Simo, M., and McMillan, assignors.)

Shell Development Company. (See Pilat, S., and Godlewicz, assignors.)

Shell Development Company. (See Tijmstra, Sijbren, assignor.)

Shell Development Company. (See Yabroff, D. L., and White, assignors.)

Shipp, Vladimir L., New York, and J. Happel, Brooklyn, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Transferring heat. 2,270,717; Jan. 20.

Shue, Earl V., Milwaukee, Wis. Game board. 2,270,566; Jan. 20.

Siehrs, Arthur E. (See Miller, C. O., and Siehrs.)

Simmons, Allan O., Chicago, Ill. Coin detecting mechanism. 2,270,481; Jan. 20.

Simon, John, Tramelan, Switzerland. Tight winding-up device for watches. 2,270,384; Jan. 20.

Simpson, Leon G. (See Schneider, H. J., and Simpson.)

Sinclair, Frank E., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,270,743; Jan. 20.

Singer, Harry, New York, N. Y. Polishing device. 2,270,744; Jan. 20.

Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)

Sinko, John. (See Schroeder, Bernard A., assignor.)

Skaupy, Franz, Berlin-Lichterfelde-West, and G. Weissenberg, Berlin-Mariendorf, Germany. Article of vitreous quartz and producing and working it. 2,270,718; Jan. 20.

Skillman, Thomas S., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multicarrier transmission system. 2,270,385; Jan. 20.

Slider, George, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Differential mechanism. 2,270,567; Jan. 20.

Sloan, Clifford K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aliphatic hydrocarbon ammonium chromate. 2,270,386; Jan. 20.

Smith, Gerald G., Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Method and apparatus for volume control of electronic amplifiers. 2,270,789; Jan. 20.

Smith, John L. (See Jones, E. M., Smith, and Trinneer.)

Smith, Stuart A., Warrenton, Va. Liquid solvent cleaning system. 2,270,609; Jan. 20.

Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine for producing pile fabrics. 2,270,719; Jan. 20.

Society of Chemical Industry in Basle. (See Graenacher, C., and Sallmann, assignors.)

Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)

Socony-Vacuum Oil Company. (See Shipp, V. L., and Happel, assignors.)

Solar Aircraft Company. (See Bignell, J. R., and Huntoon, assignors.)

Somes, Howard E., Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Cleaning and degreasing system. 2,270,642; Jan. 20.

Sonnentag, Theodor, Berlin, A. Schairer, Berlin-Tempelhof, and G. Ulbricht, Blankenfelde-Mahlow, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Impulse direction finder. 2,270,773; Jan. 20.

Southern Wood Preserving Company. (See Vaughan, Joseph A., assignor.)

Sowa, Frank J., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Fluid containing silicyl derivatives. 2,270,352; Jan. 20.

Spaeth, Irvin J., and E. G. Busse, assignors to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,270,610; Jan. 20.

Spaulding, Charles R., Newtonville, Mass. Combined carrying case and supporting stand. 2,270,611; Jan. 20.

Spaulding Fibre Company. (See Blackwell, Ernest C., assignor.)

Spector, Baruch, Far Rockaway, N. Y. Cutting tool. 2,270,387; Jan. 20.

Sperling, Fred. (See Miller, F. J., and Sperling.)

Spring Perch Company. (See Dow, Harold T., assignor.)

Spurck, Robert M., Llanerch, Pa., assignor to General Electric Company. Circuit breaker operating system. 2,270,353; Jan. 20.

Square D Company. (See Roby, Frank H., assignor.)

Squibb, E. R., & Sons. (See Christiansen, W. G., and Jurist, assignors.)

Staley, A. E., Manufacturing Company. (See Moyer, Wendell W., assignor.)

Stampleman, Samuel C., Cohasset, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,270,388; Jan. 20.

Stampleman, Samuel C., Cohasset, and J. Muros, Cambridge, assignors to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,270,790; Jan. 20.

Standard Oil Company. (See Adams, E. W., Brunstrum, and Weitkamp, assignors.)

Standard Oil Company. (See Melaven, R. M., and Shankland, assignors.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Standard Oil Development Company. (See Frolich, Per K., assignor.)

Standard Oil Development Company. (See Lieber, E., assignor.)

Standard Railway Devices Company. (See Helwig, Arthur A., assignor.)

Stanitz, Jacques, Warren, Ohio, assignor, by mesne assignments, to Steel Plumbing Wares, Inc., Detroit, Mich. Sink and the like. 2,270,774; Jan. 20.

Stanton, Thomas J., Elizabeth, N. J. Antiskid device. 2,270,692; Jan. 20.

Steel Heddle Manufacturing Company. (See Kaufmann, John J., Jr., assignor.)

Steel Plumbing Wares, Inc. (See Stanitz, Jacques, assignor.)

Stein, Eberhard, Leverkusen-Schlebusch, H. Schweitzer, Leverkusen-Wiesdorf, and C. Taube, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Polyazo dyestuffs. 2,270,675; Jan. 20.

Steinbrecher, Helen B. (See Hansen, Rose B., assignor.)

Sterling Tool Products Co. (See Kehle, Ottmar A., assignor.)

Stilmar, Frederic B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff intermediate of the anthraquinone benzacridone series. 2,270,354; Jan. 20.

Stolte, Richard C., Lansing, assignor to General Motors Corporation, Detroit, Mich. Clutch baffle plate. 2,270,482; Jan. 20.

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Straub, Frederick G., Champaign, and T. A. Bradbury, Urbana, assignors to Board of Trustees of The University of Illinois, Urbana, Ill. Apparatus for testing embrittlement characteristics of boiler waters. 2,270,389; Jan. 20.

Streeter–Amet Company. (See Waterman, W., and Harazin, assignors.)

Stember, Bernard, East Orange, N. J. Handbag. 2,270,775; Jan. 20.

Stern, Max, Kew Gardens, N. Y. Production of nickel and cobalt alloys by aluminothermic reduction. 2,270,643; Jan. 20.

Steward, Douglas P. (See Burton, C., and Steward.)

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Oscillator-modulator circuit. 2,270,791; Jan. 20.

Sullivan Machinery Company. (See Paget, Win W., assignor.)

Sullivan Machinery Company. (See Sinclair, Frank E., assignor.)

Summers, Joe N., Mission, Tex. Roller. 2,270,390; Jan. 20.

Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)

Swanson, Carl G., New York, N. Y. Telescoping measuring rule. 2,270,355; Jan. 20.

Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,270,391; Jan. 20.

Talmage, Charles R., and E. B. Lau, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Self-aligning bearing. 2,270,392; Jan. 20.

Talon, Inc. (See Gilmore, Delbert B., assignor.)

Taranto, Valentino B., et al. (See Fluegel, John, assignor.)

Tate, Christopher and F. E. B., Malden, assignors to E. H. Tate Company, Boston, Mass. Display card with attached wall hooks. 2,270,393; Jan. 20.

Tate, E. H., Company. (See Tate, Christopher and F. E. B., assignors.)

Tate, Frank E. B. (See Tate, Christopher and F. E. B.)

Taube, Carl. (See Stein, E., Schweitzer, and Taube.)

Taylor, Taylor & Hobson Limited. (See Warmisham, Arthur, assignor.)

Taylor, William H., Mentor-on-the-Lake, Ohio, assignor to W. H. Taylor, as trustee. Valve. 2,270,356; Jan. 20.

Taylor, William J., J. E. Regan, and A. N. Klyver, Syracuse, N. Y., and P. R. Kuhn, Oakland, Calif., assignors, by mesne assignments, to Lamson Corporation, De Witt, N. Y. Conveyer system. 2,270,357; Jan. 20.

Technicolor Motion Picture Corporation. (See Ball, Joseph A., assignor.)

"Technoprogress A. G." (See Doering, Ulrich W., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schonfeld, Wilhelm, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schroter, Fritz, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schulze, W., and Benecke, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Sonnentag, T., Schairer, and Ulbricht, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Baeyer, Hans J. R., assignor.)

Teletype Corporation. (See Potts, Louis M., assignor.)

Terman, Frederick E., Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Modulation system. 2,270,394; Jan. 20.

Tewksbury, Roger, Willowick, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Threading machine. 2,270,358; Jan. 20.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Thompson, Roscoe L., Manchester, assignor to Callaway Mills, La Grange, Ga. Carding machine. 2,270,720; Jan. 20.

Thornton, Samuel E., Coeur d'Alene, Idaho. Saw. 2,270,776; Jan. 20.

Tijmstra, Sijbren, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Solvent extraction of liquid mixtures. 2,270,827; Jan. 20.

Time, Incorporated. (See Coleman, Roy E., assignor.)

Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., Easton, and Efimoff, assignors.)

Tjernlund, Emil J., St. Paul, Minn. Air heating and conditioning apparatus. 2,270,395; Jan. 20.

Todd, Newton T., Indianapolis, Ind. Skating rink. 2,270,745; Jan. 20.

Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Combined screw and lock washer. 2,270,359; Jan. 20.

Towmotor Co. (See Weaver, Alverton W., assignor.)

Trantin, Jacob, Jr., Youngstown, Ohio. Alloy. 2,270,483; Jan. 20.

Trenton Brass and Machine Company. (See Schulte, William H., assignor.)

Trinneer, Stephen H. (See Jones, E. M., Smith, and Trinneer.)

Trojan Powder Company. (See Wyler, Joseph A., assignor.)

Trojan Powder Company. (See Wyler, Joseph A., assignor.)

Turner, Ivan, Richmond, England. Wringer. 2,270,693; Jan. 20.

Ulbricht, Günther. (See Sonnentag, T., Schairer, and Ulbricht.)

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Underwood Elliott Fisher Company. (See Swanson, Oscar W., assignor.)

Union Oil Company of California. (See Bray, Ulric B., assignor.)

United Aircraft Corporation. (See Martin, E., and Anderson, assignors.)

United Shoe Machinery Corporation. (See Johnson, Arthur S., assignor.)

United Shoe Machinery Corporation. (See Lyon, Harry, assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

United States Gypsum Company. (See Heeren, Arthur A., assignor.)

Universal Camera Corporation. (See Kende, G., and Brownscombe, assignors.)

Universal Oil Products Company. (See Benedict, W. L., and Dryer, assignors.)

Universal Oil Products Company. (See Grosse, Aristid V., assignor.)

Universal Oil Products Company. (See Hensel, Walter C., assignor.)

Universal Oil Products Company. (See Ipatieff, Vladimir N., assignor.)

Universal Oil Products Company. (See Ipatieff, V., and Schaad, assignors.)

Universal Oil Products Company. (See Lowry, Charles D., Jr., assignor.)

Universal Products Company. (See Dunn, George E., assignor.)

University of Illinois, Board of Trustees of The. (See Straub, F. G., and Bradbury, assignors.)

Vanadium Corporation of America. (See Jenness, Leslie G., assignor.)

Van der Ziel, Aldert. (See Strutt, M. J. O., and van der Ziel.)

Van Woert, Kenneth B., Sr., and K. B. Van Woert, Jr., Oakland, Calif.; said Van Woert, Jr., assignor to said Van Woert, Sr. Can opening and pouring device. 2,270,396; Jan. 20.

Van Woert, Kenneth B., Jr. (See Van Woert, Kenneth B., Sr., and K. B., Jr.)

Vaughan, Joseph A., assignor to Southern Wood Preserving Company, Atlanta, Ga. Accelerating air drying of wood in kilns. 2,270,815; Jan. 20.

Victor Adding Machine Company. (See Mehan, Thomas O., assignor.)

Von Baeyer, Hans Jacob Ritter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra short wave electron discharge device system. 2,270,777; Jan. 20.

Von Palmenberg, Raymond T., New York, N. Y. Garment hanger. 2,270,828; Jan. 20.

Voorhees, Vandeveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion. 2,270,360; Jan. 20.

Waechtler, Kurt, Philadelphia, Pa. Knitting machine. 2,270,361; Jan. 20.

Wagner Electric Corporation. (See Cox, John C., assignor.)

Wagner Electric Corporation. (See Freeman, Walter R., assignor.)

Wagner, Erwin, assignor to Wagner Sign Service, Incorporated, Chicago, Ill. Display device. 2,270,711; Jan. 20.

Wagner Sign Service, Incorporated. (See Wagner, Erwin, assignor.)

Waldron, Frederic B. (See Baillie, G. H., and Waldron.)

Waldron, Frederic B., Prescot, P. M. Hogg, St. Helens, and G. H. Baillie, London, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for producing ground or polished glass strip. 2,270,362; Jan. 20.

Wallerius, John, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Self-sealing door for furnaces. 2,270,484; Jan. 20.

Walline, Erick E. (See Johnson, C. S., and Walline.)

Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,270,234; Jan. 20.

Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,270,235; Jan. 20.

Warner, Archibald A., Detroit, Mich., assignor to Borg-Warner Corporation. Universal joint. 2,270,397; Jan. 20.

Wartian, Avagim. (See Rolph, S. F., and Wartian.)

Waterman, William, and C. Harazin, assignors to Streeter-Amet Company, Chicago, Ill. Treatment of lamellar materials. 2,270,568; Jan. 20.

Waters, Gilbert C., Rochester, N. Y. Printing press. 2,270,485; Jan. 20.

Weaver, Elverton W., Cleveland Heights, assignor to Towmotor Co., Cleveland, Ohio. Industrial truck. 2,270,664; Jan. 20.

Weeber, Paul, Chicago, Ill. Glove. 2,270,363; Jan. 20.

Weintraub, Lyman, Ridgefield Park, N. J. Sterilizing apparatus. 2,270,792; Jan. 20.

Weiss, Dewey S., Portland, Oreg. Coupling eye. 2,270,569; Jan. 20.

Weissenberg, Gustav. (See Skaupy, F., and Weissenberg.)

Weitkamp, Alfred W. (See Adams, E. W., Brunstrum, and Weitkamp.)

Wellnitz, Harry A., Columbus, Ohio. Machine for forming building blocks. 2,270,829; Jan. 20.

West, Byron L., Plainfield, and D. R. Eberhart, Middlesex, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Arylsulphonamide azo dye intermediates. 2,270,570; Jan. 20.

West, Cutler D. (See Land, E. H., and West.)

West, Julian M., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplification of electric waves. 2,270,364; Jan. 20.

Western Cartridge Company. (See Burton, Frank F., assignor.)

Western Electric Company, Inc. (See Rudin, Jacob, assignor.)

Western Union Telegraph Company, The. (See Birkmeyer, Paul J., assignor.)

Western Union Telegraph Company, The. (See Howe, P. J., and Wyss, assignors.)

Westin, Sven, West Allis, Wis. Reducing metal tubing. 2,270,398; Jan. 20.

Westinghouse Air Brake Company, The. (See Canetta, John, assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bitter, Hermann, assignor.)

Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kraut, Samuel B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Palmer, Granville E., assignor.)

Westphal, Earl A., Buffalo, assignor to Bagpak, Inc., New York, N. Y. Folding shoe. 2,270,721; Jan. 20.

Wheller, Harry S., assignor to L. J. Wing Mfg. Co., New York, N. Y. Heating device. 2,270,665; Jan. 20.

White, Ellis R. (See Yabroff, D. L., and White.)

White, James F., Amarillo, Tex., assignor of one-half to A. A. Lauppe, Detroit, Mich. Supercharger. 2,270,489; Jan. 20.

Willi, Albert B., Grosse Pointe, assignor to Federal-Mogul Corporation, Detroit, Mich. Fabricating leaded bronze bearing shells. 2,270,486; Jan. 20.

Williams, Thornton H., Chicago, Ill. Guitar. 2,270,612; Jan. 20.

Wilson, Wylie G., Elizabeth, N. J. Valve. 2,270,365; Jan. 20.

Wing, L. J., Mfg. Co. (See Wheller, Harry S., assignor.)

Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Roughing machine. 2,270,399; Jan. 20.

Winthrop Chemical Company. (See Behnisch, R., Klarer, and Mietzsch, assignors.)

Winthrop Chemical Company. (See Schütz, Ludwig, assignor.)

Withey, John M., Howell, Mich. Fish bait. 2,270,487; Jan. 20.

Withey, John M., Howell, Mich. Fish bait. 2,270,488; Jan. 20.

Wolf, Austin M., Plainfield, N. J. Brake operating mechanism. 2,270,366; Jan. 20.

Wolfe, Wallace V., Beverly Hills, Calif., assignor to Radio Corporation of America. Electromechanical control system. 2,270,367; Jan. 20.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Morpholine compound and preparation. 2,270,490; Jan. 20.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Etching lithographic plates. 2,270,712; Jan. 20.

Woolson, Harry T., Detroit, A. G. Herreshoff, Grosse Pointe, H. A. Hicks, Detroit, and G. H. Parker, Royal Oak, assignors to Chrysler Corporation, Highland Park, Mich. Wheel suspension for motor vehicles. 2,270,571; Jan. 20.

Woolson, Harry T., Detroit, A. G. Herreshoff, Grosse Pointe, H. A. Hicks, Detroit, and G. H. Parker, Royal Oak, and R. A. Wyatt, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Wheel suspension for motor vehicles. 2,270,572; Jan. 20.

Wurlitzer, Rudolph, Company, The. (See Farny, Cyril, assignor.)

Wurlitzer, Rudolph, Company, The. (See Smith, Gerald G., assignor.)

Wyatt, Raymond A. (See Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt.)

Wyckoff, Charles W., Shaker Heights, Ohio. Color photography. 2,270,746; Jan. 20.

Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Fuel. 2,270,400; Jan. 20.

Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Purification of pentaerythritol. 2,270,839; Jan. 20.

Wyss, Clement H., Jr. (See Howe, P. J., and Wyss.)

Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Regenerating caustic alkali solutions. 2,270,491; Jan. 20.

Yale & Towne Manufacturing Company, The. (See Rolph, S. F., and Wartian, assignors.)

Yancey, William F., assignor of one-half to M. Fishbein, Philadelphia, Pa. Mine-sweeping apparatus. 2,270,694; Jan. 20.

Yard-Man, Inc. (See Funk, Truman B., assignor.)

York Ice Machinery Corporation. (See Leonard, William D., assignor.)

Young, Charles M., Jr., Philadelphia, Pa., assignor to The Coca-Cola Company, Wilmington, Del. Beverage inspection device. 2,270,613; Jan. 20.

Young, Clinton J. T. (See Land, E. H., and Young.)

Zecher, Gustav, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge apparatus. 2,270,368; Jan. 20.

Zonis, Sydney, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable eccentric. 2,270,816; Jan. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electric-switch, Fluid-operated. I. A. Weaver and C. H. Phelps. Re. 22,012; Jan. 20.
Electron image amplifier. P. T. Farnsworth. Re. 22,009; Jan. 20.
Enamelware, Making. C. J. Kinzie and C. H. Commons, Jr. Re. 22,011; Jan. 20.
Feeding mechanism for shaker or jigging conveyers. L. F. Crawford. Re. 22,008; Jan. 20.
Tool of the percussion type, Electromagnetic. M. Greiner. Re. 22,010; Jan. 20.

LIST OF PLANT INVENTIONS

Dianthus. P. R. Whittier. 499; Jan. 20.
Rose plant. R. L. Byrum. 500; Jan. 20.

LIST OF DESIGN INVENTIONS

Apron. W. Kamholz. 131,186; Jan. 20.
Badge. C. Nash. 131,162; Jan. 20.
Bed, Dog. R. L. Richardson. 131,147; Jan. 20.
Box, Battery. W. G. Tenney. 131,151; Jan. 20.
Building unit. R. L. Kaye. 131,154; Jan. 20.
Button, Stud. J. Kantor. 131,161; Jan. 20.
Cart, Horse training. W. H. Foster. 131,158; Jan. 20.
Case, Display. P. M. Ressinger. 131,165; Jan. 20.
Cloth, Lace table. F. G. Hobden. 131,185; Jan. 20.
Coat. H. Frost. 131,178–82; Jan. 20.
Coat. O. J. Hauptman. 131,183; Jan. 20.
Coat, Child's. J. M. Schwartz. 131,191; Jan. 20.
Container, Storage battery. R. E. Sears. 131,149; Jan. 20.
Cuff link. H. B. Smith. 131,168; Jan. 20.
Cushion, Deep saddle seat. H. W. Bostrom. 131,142; Jan. 20.
Dress. C. Jaccarino. 131,174; Jan. 20.
Dress. H. Langer. 131,175; Jan. 20.
Dress. S. De Pasquale. 131,172–3; Jan. 20.
Dress. M. Wolff. 131,176; Jan. 20.
Envelope or similar article. T. E. Jewell, Jr. 131,145; Jan. 20.
Fabric, Textile. E. Raphaels. 131,164; Jan. 20.
False face. C. Balaban. 131,136; Jan. 20.
Filter and light or the like, Combined air. S. Bramsen. 131,143; Jan. 20.
Filter, Fuel. S. T. Howard. 131,144; Jan. 20.
Fish lure. L. D. Adam. 131,135; Jan. 20.
Flashlight. L. J. Lockwood. 131,140; Jan. 20.
Glove, lipstick holder and mirror disk, Combined. J. A. Higier. 131,184; Jan. 20.
Handbag. F. N. Lewis. 131,189–9; Jan. 20.
Hopper and feed control unit for an acetylene generator, Combined carbide. W. G. Schepman. 131,148; Jan. 20.
Jewelry finding or similar article. I. Cohen. 131,156; Jan. 20.
Key case. W. R. Buxton. 131,177; Jan. 20.
Key charm. M. Jones. 131,153; Jan. 20.
Knife and gauge, Combination. N. Jacobs. 131,152; Jan. 20.
Pin or analogous article. S. Grombecker. 131,159; Jan. 20.
Pipe, Tobacco. A. Koenigsamen. 131,146; Jan. 20.
Range, Cooking. L. J. Smallen. 131,167; Jan. 20.
Retinoscope or the like. W. F. Peck, A. A. Gradisar, and J. T. Armbruster. 131,163; Jan. 20.
Robe, Men's sleeping. A. Berger. 131,138; Jan. 20.
Saucer. P. J. Swofford. 131,150; Jan. 20.
Scarf or similar article. C. Kronfeld. 131,187; Jan. 20.
Shoe or similar article. I. E. Grossmann. 131,160; Jan. 20.
Shoe or similar article. M. Wolock. 131,169–71; Jan. 20.
Stand, Utility. J. F. Donaldson. 131,139; Jan. 20.
Stool, Shower. E. Baumann, Sr. 131,137; Jan. 20.
Stove leg. M. E. Brown. 131,155; Jan. 20.
Suit. E. Minkoff. 131,190; Jan. 20.
Support for instruments and control devices, Detachable. F. H. Drake and A. Noyes, Jr. 131,157; Jan. 20.
Testing machine, Hydraulic. T. Olsen, 2nd. 131,141; Jan. 20.
Vehicle body. W. T. Rossell, F. H. Shepard, and H. J. Bader. 131,166; Jan. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. W. A. Anderson. 2,270,614; Jan. 20.
Acid, Preparation of levulinic. W. W. Moyer. 2,270,328; Jan. 20.
Acids of amidines, Sulphonic. W. H. Hill. 2,270,755; Jan. 20.
Acoustical assembly. J. A. Chambers. 2,270,268; Jan. 20.
Acid amide compound, Sulphonic. R. Behnisch, J. Klarer, and F. Mietzsch. 2,270,676; Jan. 20.
Acrolein, Production of. K. M. Herstein. 2,270,705; Jan. 20.
Adapter. J. Rudin. 2,270,347; Jan. 20.
Adjuster for brakes, Automatic double-acting slack. B. H. Browall. 2,270,501; Jan. 20.
Adjusting device, particularly for brakes of motor vehicles. G. E. Ohlson. 2,270,600; Jan. 20.
Advertising device. L. V. McLauchlin. 2,270,377; Jan. 20.
Air control for steam heating systems, Ratioed. H. F. Cox. 2,270,510; Jan. 20.
Air heating and conditioning apparatus. E. J. Tjernlund. 2,270,395; Jan. 20.
Airplane. C. J. H. Mackenzie-Kennedy. 2,270,635; Jan. 20.
Alcohol having high birefringence, Polyvinyl. E. H. Land and C. D. West. 2,270,323; Jan. 20.
Alkali metal hydroxide solutions, Treating. E. T. Ladd. 2,270,376; Jan. 20.
Alkali solutions, Regenerating caustic. D. L. Yabroff and E. R. White. 2,270,491; Jan. 20.
Alloy: *See*—
Copper alloy.
Soldering alloy.
Alloy. J. Trantin, Jr. 2,270,483; Jan. 20.
Alloys by aluminothermic reduction, Production of nickel and cobalt. M. Stern. 2,270,643; Jan. 20.
Alloys, Making ordnance. C. C. Misfeldt. 2,270,660; Jan. 20.
Aluminum dihalide, Producing a mono-hydrocarbon. A. V. Grosse. 2,270,292; Jan. 20.
Ammonium bifluoride, Manufacture of. A. R. Bozarth. 2,270,498; Jan. 20.
Amplifier. J. B. Harley. 2,270,295; Jan. 20.
Amplifier coupling circuit. D. E. Norgaard. 2,270,764; Jan. 20.
Amplifiers, Method and apparatus for volume control of electronic. G. G. Smith. 2,270,789; Jan. 20.
Antenna construction. H. C. Doane and L. R. Grandy. 2,270,514; Jan. 20.
Antenna, Corner reflector. J. D. Kraus. 2,270,314; Jan. 20.
Antifriction bearing. E. Martin and J. E. Anderson. 2,270,542; Jan. 20.
Antiskid device. T. J. Stanton. 2,270,692; Jan. 20.
Apparatus for comparing the color of liquid coffee. J. B. Martin. 2,270,457; Jan. 20.
Apparatus for drawing, plotting, and reading graphs. R. A. Mills. 2,270,461; Jan. 20.
Apparatus for filling containers with gas. W. J. Scott, L. J. Davies, and W. T. Cowhig. 2,270,788; Jan. 20.
Apparatus for forming aerated concrete slabs. C. A. Martin. 2,270,541; Jan. 20.
Apparatus for heating liquids. L. N. Hunter and B. T. du Pont. 2,270,440; Jan. 20.
Apparatus for honing roller bearing cup members. G. F. Johnson. 2,270,525; Jan. 20.
Apparatus for manufacturing bricks. N. W. Helm. 2,270,834; Jan. 20.
Apparatus for measuring pressure. G. Rollin. 2,270,476; Jan. 20.
Apparatus for metal casting. P. Pritchard. 2,270,340; Jan. 20.
Apparatus for producing ground or polished glass strip. G. H. Baillie and F. B. Waldron. 2,270,244; Jan. 20.
Apparatus for producing ground or polished glass strip. F. B. Waldron, P. M. Hogg, and G. H. Baillie. 2,270,362; Jan. 20.
Apparatus for regulating the discharge material from a separator. H. W. Brentz. 2,270,696; Jan. 20.
Apparatus for testing embrittlement characteristics of boiler waters. F. G. Straub and T. A. Bradbury. 2,270,389; Jan. 20.
Apparatus for the reduction of oxides. H. Gallusser. 2,270,701; Jan. 20.
Apparatus for use in the manufacture of building blocks. E. T. Putnam. 2,270,556; Jan. 20.
Applicator for elastic rings. J. E. Hall. 2,270,671; Jan. 20.
Arc shield. E. W. Boehne. 2,270,723; Jan. 20.
Arc tube system. W. P. Overbeck. 2,270,601; Jan. 20.
Article hanger. A. Kristensen. 2,270,802; Jan. 20.
Ash remover, Vertical rotary-type. H. C. Carter. 2,270,265; Jan. 20.
Auger conveyer for harvester platforms. H. W. Pilcher and A. W. Oehler. 2,270,471; Jan. 20.
Automatic release coupling. F. N. Larson. 2,270,317; Jan. 20.
Bag: *See*—
Garment bag.
Bait, Fish. J. M. Withey. 2,270,487–8; Jan. 20.
Balance, Horizontal. H. T. Kraft. 2,270,657; Jan. 20.
Battery tester. M. L. Pugh. 2,270,554; Jan. 20.
Beam cutting machine. J. L. Anderson. 2,270,242; Jan. 20.
Bearing: *See*—
Antifriction bearing.
Self-aligning bearing.
Bearing cap wedge, Main. W. E. Brill. 2,270,500; Jan. 20.
Bearing packer. C. W. Ginter. 2,270,754; Jan. 20.
Bearing polishing machine, Crankshaft. F. W. Haeger and E. P. Rohrbach. 2,270,522; Jan. 20.
Bearing shells, Fabricating leaded bronze. A. B. Willi. 2,270,486; Jan. 20.
Bed, Divan. J. D. Bell. 2,270,576; Jan. 20.
Berryllum, Manufacturing. J. E. Bucher. 2,270,502; Jan. 20.
Beverage inspection device. C. M. Young, Jr. 2,270,613; Jan. 20.
Block: *See*—
Pillow block.
Blocks, Forming composite building. E. T. Putnam. 2,270,555; Jan. 20.
Blowtorches, Scraper attachment for. J. B. Dilts. 2,270,625; Jan. 20.
Board: *See*—
Game board.
Bobbin, Stop motion. W. T. Briggs. 2,270,645; Jan. 20.
Boiler return and vacuum trap. S. C. Knefel. 2,270,532; Jan. 20.
Boring cartridge for piston rings. H. M. Olson. 2,270,548; Jan. 20.
Bottle. J. H. Dowd. 2,270,277; Jan. 20.
Bowling pin support centering mechanism. R. E. Rundell. 2,270,560; Jan. 20.
Box: *See*—
Collapsible box.
Brace, Knee. E. Miller. 2,270,685; Jan. 20.
Brake: *See*—
Solenoid controlled brake.
Speed controlled brake.
Brake beam, Railway. E. G. Busse. 2,270,262; Jan. 20.
Brake control means. J. Canetta and P. N. Bossart. 2,270,414; Jan. 20.
Brake control mechanism, Emergency. W. R. Freeman. 2,270,431; Jan. 20.
Brake operating mechanism. A. M. Wolf. 2,270,366; Jan. 20.
Brake pulsator and braking, Vehicle. C. J. Jahant, W. C. McCoy, and H. T. Kraft. 2,270,586; Jan. 20.
Briquette and its manufacture, Straw. W. C. Goss. 2,270,288; Jan. 20.
Brine apparatus. E. B. Hunter. 2,270,372; Jan. 20.
Building. C. T. Ludington. 2,270,537; Jan. 20.
Building construction. W. Neff. 2,270,229; Jan. 20.
Building slab. A. A. Heeren. 2,270,672; Jan. 20.
Building structure. C. T. Ludington. 2,270,538; Jan. 20.
Building unit. R. L. Kaye. 2,270,808; Jan. 20.
Building unit, Masonry. R. L. Kaye. 2,270,809; Jan. 20.
Bumper, Safety. J. F. Knutte. 2,270,533; Jan. 20.
Burner: *See*—
Liquid fuel burner.
Oil burner.
Burner. J. Polney. 2,270,602; Jan. 20.
BX cable strip forming machine. P. Schindler. 2,270,688; Jan. 20.
Cabinet: *See*—
Filing cabinet.
Cabinet construction. H. E. Blood and E. F. Hubacker. 2,270,407; Jan. 20.
Cabinet construction for ranges and the like. H. H. Ring. 2,270,710; Jan. 20.
Cables in concrete constructions, Anchoring of tensioned. E. Freyssinet. 2,270,240; Jan. 20.
Calculating machine. H. T. Avery. 2,270,573; Jan. 20.
Calculating machine. E. F. Britten, Jr. 2,270,793; Jan. 20.

Camera. G. Kende and P. J. Brownscombe. 2,270,311; Jan. 20.
Camera, Roll film. L. Goldhammer. 2,270,287; Jan. 20.
Can making machine. P. E. Eckman. 2,270,282; Jan. 20.
Can opener. J. W. Gibney. 2,270,679; Jan. 20.
Can opening and pouring device. K. B. Van Woert, Sr., and K. B. Van Woert, Jr. 2,270,396; Jan. 20.
Cap: *See*—
Receptacle sealing cap.
Cap selector. J. Belada. 2,270,713; Jan. 20.
Car construction, Refrigerator. A. A. Helwig. 2,270,524; Jan. 20.
Carboxylic acids of the cyclopentano polyhydro phenanthrene series and making the same. A. Butenandt, H. Dannenbaum and J. Schmidt-Theme. 2,270,409; Jan. 20.
Carburetor, Liquid fuel atomizing. E. Danielsen. 2,270,369; Jan. 20.
Card holder. W. F. Liska. 2,270,757; Jan. 20.
Card with attached wall hooks, Display. C. and F. E. B. Tate. 2,270,393; Jan. 20.
Cards and sheets, Sorting of perforated. E. K. Portman-Dixon. 2,270,786; Jan. 20.
Carding machine. R. L. Thompson. 2,270,720; Jan. 20.
Carrying case and supporting stand, Combined. C. R. Spaulding. 2,270,611; Jan. 20.
Carton. W. C. Christy. 2,270,580; Jan. 20.
Carton and like container. K. B. J. Blakemore. 2,270,236; Jan. 20.
Carton closing mechanism. W. G. Kaliska. 2,270,820; Jan. 20.
Carton sealing machine. M. P. Neal. 2,270,329; Jan. 20.
Cartridge-detent mechanism for repeating firearms. F. F. Burton. 2,270,408; Jan. 20.
Casing construction. M. P. Rumney. 2,270,348; Jan. 20.
Casing plug. W. L. Church. 2,270,647; Jan. 20.
Casting, Centrifugal. R. H. McCarroll, E. C. Jeter, and W. Kroy. 2,270,822; Jan. 20.
Catalyst. R. E. Burk and E. C. Hughes. 2,270,504; Jan. 20.
Cellulose and the like, Manufacture of reactive forms of. C. O. Miller and A. E. Siehrs. 2,270,326; Jan. 20.
Cement and making the same, Rubber. E. O. Groskopf. 2,270,731; Jan. 20.
Cement-asbestos insulating material and improving the same. N. F. Arone. 2,270,747; Jan. 20.
Cementing plug. W. L. Church. 2,270,648; Jan. 20.
Ceramic cutting tool. E. Ryschkewitsch. 2,270,607; Jan. 20.
Chain link, Antiskid. G. S. Schmidt. 2,270,349; Jan. 20.
Chair. R. J. Shaw. 2,270,233; Jan. 20.
Chair structure. G. D. Schermerhorne. 2,270,562; Jan. 20.
Charcoal activating furnace. M. E. Barker. 2,270,245; Jan. 20.
Check, Hydraulic. E. Davis. 2,270,668; Jan. 20.
Chlorination system. G. A. Petroe. 2,270,785; Jan. 20.
Choke for gun barrels, Automatic. J. H. Kitzmiller. 2,270,592; Jan. 20.
Cigar lighter. B. A. Schroeder. 2,270,564; Jan. 20.
Circuit: *See*—
Amplifier coupling circuit.
Rectifier circuit.
Oscillator-modulator circuit.
Circuit breaker operating system. R. M. Spurck. 2,270,353; Jan. 20.
Circuit controller. A. F. Sandberg. 2,270,608; Jan. 20.
Circuit controlling device. C. W. Kuhn and R. O. Perrine. 2,270,736; Jan. 20.
Circuit maker and breaker. S. Dettar. 2,270,513; Jan. 20.
Circuit system, Extension. L. M. Potts. 2,270,339; Jan. 20.
Circuits, Negative impedance. R. B. Blackman. 2,270,644; Jan. 20.
Clamp for line conductors, Bolted connecting. T. F. Johnson. 2,270,807; Jan. 20.
Cleaning and degreasing system. H. E. Somes. 2,270,642; Jan. 20.
Cleaning device. J. W. Chamberlin and R. E. Bassett, Jr. 2,270,579; Jan. 20.
Closure. C. Geddes. 2,270,729; Jan. 20.
Closure for collapsible tubes, Automatic. B. Feldmar. 2,270,794; Jan. 20.
Clutch: *See*—
Friction clutch.
Clutch baffle plate. R. C. Stolte. 2,270,482; Jan. 20.
Coating composition. R. E. Coleman. 2,270,508; Jan. 20.
Coating granular materials. H. P. Ransburg. 2,270,341; Jan. 20.
Coin detecting mechanism. A. O. Simmons. 2,270,481; Jan. 20.
Collapsible box. W. A. Ringler. 2,270,343; Jan. 20.
Coloring composition. J. G. Kern. 2,270,756; Jan. 20.
Comb. S. Kirschenbaum. 2,270,528–9–30; Jan. 20.
Compact, Illuminated. R. Klarfeld. 2,270,636; Jan. 20.
Concrete mixer. J. H. Fitzgerald. 2,270,628; Jan. 20.
Condenser. G. A. Larriva. 2,270,810; Jan. 20.
Conditioning apparatus for steam heating systems. F. J. Miller and F. Sperling. 2,270,784; Jan. 20.
Container. R. D. Bennett. 2,270,617; Jan. 20.
Control system, Electrical. F. G. Kear. 2,270,308; Jan. 20.
Controlling device for lamps, Beam. W. S. C. Glover. 2,270,680; Jan. 20.
Controlling mechanism for boring machines and the like. Size. H. L. Blood. 2,270,406; Jan. 20.
Conveyer. A. W. Duncan. 2,270,626; Jan. 20.
Conveyer angle turn construction. C. N. Bebinger. 2,270,778; Jan. 20.
Conveyer system. W. J. Taylor, J. E. Regan, A. N. Klyver, and P. R. Kuhn. 2,270,357; Jan. 20.
Cooling system, Transmission drive. C. K. Lenning. 2,270,536; Jan. 20.
Copper alloy. A. Morris. 2,270,716; Jan. 20.
Core handling machine. J. W. Common. 2,270,509; Jan. 20.
Cotton gin with belt mote board. T. S. Grimes. 2,270,670; Jan. 20.
Coupling: *See*—
Automatic release coupling.
Pipe coupling.
Coupling drive, Fluid. C. A. Neracher and W. T. Dunn. 2,270,545; Jan. 20.
Coupling eye. D. S. Weiss. 2,270,569; Jan. 20.
Coupling for pipes, Driving. E. O. Roemhild. 2,270,604; Jan. 20.
Coupling system, Intertube intermediate-frequency. L. R. Malling. 2,270,539; Jan. 20.
Cover: *See*—
Playing ball cover.
Seat cover.
Covering material. H. F. Debo. 2,270,419; Jan. 20.
Curb indicator signal. R. W. Morse. 2,270,687; Jan. 20.
Cutter bar adjustment assembly. T. B. Funk. 2,270,584; Jan. 20.
Cutting apparatus. J. A. Parks, Jr. 2,270,639; Jan. 20.
Cutting machine. J. P. Crowley and A. W. Goralske. 2,270,418; Jan. 20.
Cutting machine. J. R. Morris. 2,270,462; Jan. 20.
Cutting tool. B. Spector. 2,270,387; Jan. 20.
Deep well pump. A. Arutunoff. 2,270,666; Jan. 20.
Detector for invisible radiation. J. C. Karnes. 2,270,307; Jan. 20.
Diamond holder. J. Dinhofer. 2,270,420; Jan. 20.
Diaphragm for closet flush valves. T. R. Burke. 2,270,259; Jan. 20.
Differential mechanism. G. Slider. 2,270,567; Jan. 20.
Discarding apparatus for bag feeding mechanism. W. E. Sharkey. 2,270,565; Jan. 20.
Dishwashing machine. T. E. D. Bilde. 2,270,695; Jan. 20.
Dispensing apparatus, Beverage. J. L. Norton and A. S. Levin. 2,270,383; Jan. 20.
Display card. J. C. Nofziger. 2,270,763; Jan. 20.
Display device. E. Wagner. 2,270,711; Jan. 20.
Dixanthogens, Preparation of. G. L. Browning, Jr. 2,270,257; Jan. 20.
Door for furnaces, Self-sealing. J. Wallerius. 2,270,484; Jan. 20.
Door lock. S. F. Rolph and A. Wartian. 2,270,559; Jan. 20.
Dough divider. H. Devlin. 2,270,512; Jan. 20.
Drain, Garage floor. E. W. N. Boosey. 2,270,253; Jan. 20.
Drawbar selector for electric organs and the like. R. C. Kern. 2,270,453; Jan. 20.
Drier: *See*—
Print drier.
Drilling apparatus. W. W. Paget. 2,270,334; Jan. 20.
Drive connection, Sound insulated. G. Forton. 2,270,583; Jan. 20.
Dye intermediates, Arysulphonamide azo. B. L. West and D. R. Eberhart. 2,270,570; Jan. 20.
Dye, Photographic sensitising. E. B. Middleton and A. B. Jenning. 2,270,378; Jan. 20.
Dyes, Selenotricarbocyanine. L. G. S. Brooker. 2,270,255; Jan. 20.
Dyestuff intermediate of the anthraquinone benzacridone series. F. B. Stilmar. 2,270,354; Jan. 20.
Dyestuffs and their manufacture, Disazo. A. Krebser and W. Bossard. 2,270,454; Jan. 20.
Dyestuffs and their manufacture, Stilbene. E. Keller. 2,270,451; Jan. 20.
Dyestuffs, Azo. M. Schmid. 2,270,478; Jan. 20.
Dyestuffs insoluble in water, Monoazo. E. Fischer. 2,270,678; Jan. 20.
Dyestuffs, Polyazo. E. Stein, H. Schweitzer, and C. Taube. 2,270,675; Jan. 20.
Eccentric, Adjustable. S. Zonis. 2,270,816; Jan. 20.
Ejector device. A. H. Neuland. 2,270,546; Jan. 20.
Elastic Holder, Blunt barb. S. Getmansky. 2,270,702; Jan. 20.
Electric discharge apparatus. F. H. Gulliksen. 2,270,799; Jan. 20.
Electric discharge apparatus, Gaseous. G. Zecher. 2,270,368; Jan. 20.
Electric motor. F. W. Merrill. 2,270,708; Jan. 20.
Electric switch. F. H. Roby. 2,270,640; Jan. 20.
Electric waves, Amplification of. J. M. West. 2,270,364; Jan. 20.
Electrical capacitator. W. M. Robinson. 2,270,740; Jan. 20.
Electrical contact. C. T. Evans. 2,270,727; Jan. 20.
Electrical contact assembly. L. Pensak. 2,270,337; Jan. 20.

Electrical wave system. E. C. Cork and J. L. Pawsey. 2,270,416; Jan. 20.
Electrode arrangement and method, Igniting. L. K. Marshall. 2,270,324; Jan. 20.
Electrode for ground resistance measurement, Auxiliary. N. W. Matthews. 2,270,325; Jan. 20.
Electromechanical control system. W. V. Wolfe. 2,270,367; Jan. 20.
Electron discharge device system, Ultra short wave. H. J. R. von Baeyer. 2,270,777; Jan. 20.
Elevator safety device. F. Hymans. 2,270,441; Jan. 20.
Emplacement former. F. Gerriets. 2,270,286; Jan. 20.
Engine: *See*—
Internal combustion engine.
Envelope. C. N. Juul. 2,270,305; Jan. 20.
Etching lithographic plates. W. H. Wood. 2,270,712; Jan. 20.
Ethylene, Oxidation of. E. Berl. 2,270,780; Jan. 20.
Extraction, Process for. A. V. Caselli and A. C. Nixon. 2,270,667; Jan 20..
Eyeglass construction. F. J. Nerney. 2,270,330; Jan. 20.
Eyeglass construction. G. E. Nerney. 2,270,382; Jan. 20.
Eyeglass construction. A. Person. 2,270,338; Jan. 20.
Fabric: *See*—
Impregnated fabric.
Fabric, Method of producing finished. C. T. Graham. 2,270,289; Jan. 20.
Fan. G. F. Bahr. 2,270,574–5; Jan. 20.
Fastener construction. J. R. Bignell and R. C. Huntoon. 2,270,403; Jan. 20.
Faucet valve operator. J. F. Cushman. 2,270,239; Jan. 20.
Feed mechanism for autographic registers. W. E. Gochnauer. 2,270,730; Jan. 20.
Filing cabinet, Multidrawer fire resistant. G. F. Peiter. 2,270,551; Jan. 20.
Fircarm, Automatic. F. Janeček. 2,270,683; Jan. 20.
Flag flier. M. P. Fikes. 2,270,753; Jan. 20.
Flame production and control. J. Jares. 2,270,443; Jan. 20.
Flame production and control, Colored. J. Jares. 2,270,442; Jan. 20.
Flasher and signal system. J. Bell. 2,270,496; Jan. 20.
Fluid containing silicyl derivatives. F. J. Sowa. 2,270,352; Jan. 20.
Fluid pressure actuating mechanism. H. J. Schneider and L. G. Simpson. 2,270,742; Jan. 20.
Fluid, Reclaiming spent cleaning. C. C. Jones. 2,270,837; Jan. 20.
Fly killer, Electric cable. A. F. Kopisch. 2,270,684; Jan. 20.
Food products. G. J. Esselen. 2,270,582; Jan. 20.
Forging machine. C. H. Gay. 2,270,819; Jan. 20.
Fountain. W. H. Schulte. 2,270,351; Jan. 20.
Frequency deviation meter. H. M. Bach. 2,270,243; Jan. 20.
Friction clutch. H. Nutt. 2,270,467; Jan. 20.
Friction clutch. C. A. Ruesenberg. 2,270,477; Jan. 20.
Fuel. J. A. Wyler. 2,270,400; Jan. 20.
Fuel injecting mechanism of internal combustion engines, Automatically controlling the. H. G. Camner. 2,270,410; Jan. 20.
Furnace: *See*—
Charcoal activating furnace.
Furniture. J. P. Kiesecker. 2,270,656; Jan. 20.
Fuse. H. Bitter. 2,270,404; Jan. 20.
Fuse for artillery projectiles, Time. P. A. Kunz. 2,270,534; Jan. 20.
Fuse, Sensitive percussion. L. E. Rémondy. 2,270,342; Jan. 20.
Game board. E. V. Shue. 2,270,566; Jan. 20.
Garment bag. H. W. Nichols. 2,270,547; Jan. 20.
Garment hanger. R. T. von Palmenberg. 2,270,828; Jan. 20.
Gas control means for anesthetizing machines. J. A. Heidbrink. 2,270,523; Jan. 20.
Gas gauge connection. E. M. Frazier. 2,270,371; Jan. 20.
Gas regulation and pressure control apparatus. W. J. Jacobsson. 2,270,304; Jan. 20.
Gasket, Sealing. H. P. Fisher. 2,270,519; Jan. 20.
Gauge: *See*—
Grinding gauge.
Gear and control, Reverse. R. H. Clarke. 2,270,581; Jan. 20.
Gear finishing machine. R. S. Drummond. 2,270,831; Jan. 20.
Gears, Cutting. R. S. Drummond. 2,270,422; Jan. 20.
Gearing, Variable-speed rachet. E. W. Hermansson. 2,270,797; Jan. 20.
Gem, Molded plastic. P. Clare. 2,270,270; Jan. 20.
Generator: *See*—
Oscillation generator.
Steam generator.
Relaxation oscillation generator.
Geochemical prospecting. L. Horvitz. 2,270,299; Jan. 20.
Glass sheets, Bending. O. H. Paddock. 2,270,470; Jan. 20.
Glove. P. Weeber. 2,270,363; Jan. 20.
Goggles, Protective. C. Clarke and P. C. Livingston. 2,270,238; Jan. 20.
Golf ball retriever. R. R. Hasty. 2,270,632; Jan. 20.
Governor. A. Kalin. 2,270,306; Jan. 20.
Governor mechanism for adding machines T. O. Mehan. 2,270,460; Jan. 20.
Grating structure. G. G. Greulich. 2,270,630; Jan. 20.
Grinding gauge. S. A. Foster. 2,270,728; Jan. 20.
Grinding machine. A. S. Johnson. 2,270,446; Jan. 20.
Grinding tool. H. Schneider. 2,270,691; Jan. 20.
Guard for motor vehicles. G. F. Cavanagh. 2,270,266; Jan. 20.
Guitar. T. H. Williams. 2,270,612; Jan. 20.
Hair curler. A. G. Bowyer. 2,270,618; Jan. 20.
Hairdressing apparatus and method. J. Fluegel. 2,270,429; Jan. 20.
Handbag. B. Stember. 2,270,775; Jan. 20.
Hanger: *See*—
Article hanger.
Garment hanger.
Hanger appliance, Door attachment. B. B. Hauser. 2,270,796; Jan. 20.
Harp, Swivel. K. Berger. 2,270,497; Jan. 20.
Headlight control mechanism. J. H. McAdoo. 2,270,458; Jan. 20.
Headlight indicator. C. G. Hall. 2,270,587; Jan. 20.
Headrest, Corpse. S. H. Hanson. 2,270,588; Jan. 20.
Heat exchange and ventilating system. C. E. Meyerhoefer. 2,270,823; Jan. 20.
Heat, Transferring. V. L. Shipp and J. Happel. 2,270,717; Jan. 20.
Heater. C. E. Meyerhoefer. 2,270,824; Jan. 20.
Heaters, Construction of. W. C. Hensel. 2,270,297; Jan. 20.
Heating apparatus. G. A. Guenther. 2,270,798; Jan. 20.
Heating device. H. S. Wheller. 2,270,665; Jan. 20.
Hertzian waves, Producing ultrashort. F. Schroter. 2,270,479; Jan. 20.
Hoist and tensioning device, Tape. F. W. Coffing. 2,270,271; Jan. 20.
Holder: *See*—
Card holder.
Spring key holder.
Diamond holder.
Yarn package holder.
Elastic holder.
Welding electrode holder.
Pin holder.
Honing machine. A. M. Johnson. 2,270,590; Jan. 20.
Hose clamp. J. T. King. 2,270,375; Jan. 20.
Humidification of goods and air conditioning of containers. B. H. Ridder. 2,270,603; Jan. 20.
Hydraulic pressure pulsating mechanism. R. J. Gartner. 2,270,585; Jan. 20.
Hydrocarbon ammonium chromate, Aliphatic. C. K. Sloan. 2,270,386; Jan. 20.
Hydrocarbon conversion, Catalytic. V. Voorhees. 2,270,360; Jan. 20.
Hydrocarbon distillate, Sweetening. C. D. Lowry, Jr. 2,270,322; Jan. 20.
Hydrocarbon distillates, Treatment of. W. L. Benedict and C. G. Dryer. 2,270,248; Jan. 20.
Hydrocarbon, Oxidizing a. E. Berl. 2,270,779; Jan. 20.
Hydrocarbons, Hydrogenation of. V. N. Ipatieff. 2,270,303; Jan. 20.
Hydrocarbons, Manufacture of. V. Ipatieff and R. E. Schaad. 2,270,302; Jan. 20.
Hydrocarbons of low molecular weight, Converting. F. E. Frey. 2,270,700; Jan. 20.
Ignition for fluid burners, Automatic. V. O. Beam. 2,270,722; Jan. 20.
Illuminated sign. P. J. Howe and C. H. Wyss, Jr. 2,270,301; Jan. 20.
Image converter, Neutron. H. I. Kallmann and E. Kuhn. 2,270,373; Jan. 20.
Impelling device. H. N. Moore. 2,270,686; Jan. 20.
Impregnated fabric. P. K. Frolich. 2,270,285; Jan. 20.
Impulse direction finder. T. Sonnentag, A. Schairer, and G. Uibricht. 2,270,773; Jan. 20.
Indicating apparatus. W. S. Hall, Jr. 2,270,294; Jan. 20.
Indicating device. S. J. Harazim. 2,270,653; Jan. 20.
Indicator: *See*—
Headlight indicator.
Wheel alignment indicator.
Indicator for motor vehicles, Speed. H. F. Morley and R. E. Gearhart. 2,270,599; Jan. 20.
Inks, Method and apparatus for drying printing. C. S. Johnson and E. E. Walline. 2,270,654; Jan. 20.
Instrument to indicate air pressure and temperature. G. E. Barnhart. 2,270,494; Jan. 20.
Internal combustion engine. C. H. Merrell. 2,270,597; Jan. 20.
Internal combustion engine. J. M. Robertson. 2,270,231; Jan. 20.
Isobutane, Production of. M. de Simo and F. M. McMillan. 2,270,669; Jan. 20.
Joining, Method of. J. H. Dunn. 2,270,278; Jan. 20.
Joint: *See*—
Universal joint.
Juice filling machine, Fruit and vegetable. S. Pittaluga. 2,270,709; Jan. 20.
Ketones, Oxidation of. J. E. Bludworth. 2,270,252; Jan. 20.
Kettle for tar, asphalt, and the like, Melting. W. C. Elze and I. McDowell. 2,270,726; Jan. 20.
Kit, Emergency. P. A. Schnebelen. 2,270,563; Jan. 20.
Knitting device. A. G. Bowyer. 2,270,619; Jan. 20.
Knitting machine. K. Waechtler. 2,270,361; Jan. 20.

Knitting machine for producing pile fabrics. W. L. Smith, Jr. 2,270,719; Jan. 20.
Lamp for lighting purposes, Electric gas and vapor discharge. U. W. Doering. 2,270,276; Jan. 20.
Lamp mechanism, Arc. C. T. Crocker. 2,270,725; Jan. 20.
Laundry irons and the like, Finish for working surface of. F. Kuhn and L. H. Thomas. 2,270,316; Jan. 20.
Lead, Electrochemical method of producing white. G. E. Johnson, R. G. Bowman, and W. J. Knox, Jr. 2,270,783; Jan. 20.
Life saving device. C. Herendeen. 2,270,437; Jan. 20.
Light polarizer and optical system employing the same. E. H. Land and C. J. T. Young. 2,270,535; Jan. 20.
Lighting fixture. K. R. Scribner. 2,270,814; Jan. 20.
Lighting system, Highway. G. D. Recher. 2,270,474; Jan. 20.
Lighting unit. S. B. Kraut. 2,270,801; Jan. 20.
Liner for closures. C. M. Bellg. 2,270,714; Jan. 20.
Link construction, Cuff. F. P. Cronan. 2,270,677; Jan. 20.
Liquid attemperating device. E. E. Griffiths. 2,270,833; Jan. 20.
Liquid fuel burner. J. F. Komar. 2,270,637; Jan. 20.
Liquids, Treating. W. E. Mallory. 2,270,540; Jan. 20.
Lock: *See*—
Door lock.
Lock with electrical switch control, Combination. G. T. Hosking. 2,270,439; Jan. 20.
Loom shuttle. J. J. Kaufmann, Jr. 2,270,821; Jan. 20.
Loud-speaker, High-power. W. Schulze and H. Benecke. 2,270,787; Jan. 20.
Lubricant and preparing same. E. Lieber. 2,270,319; Jan. 20.
Lubricants, Manufacture of. U. B. Bray. 2,270,620; Jan. 20.
Machine and tool for finishing gears. J. D. Rovick. 2,270,741; Jan. 20.
Machine for assembling spouts to containers. J. M. Hothersall. 2,270,300; Jan. 20.
Machine for cutting gears. R. S. Drummond. 2,270,421; Jan. 20.
Machine for forming building blocks. H. A. Wellnitz. 2,270,829; Jan. 20.
Machine for manufacturing armatures with bar windings. L. E. Poole and E. R. Fausset. 2,270,472; Jan. 20.
Machine tool. E. E. Kelley. 2,270,310; Jan. 20.
Magazine for safety razor blades. S. C. Stampleman and J. Muros. 2,270,790; Jan. 20.
Magnetic head for electromagnetic sound recording and reproducing apparatus. G. Liguori. 2,270,320; Jan. 20.
Mailing circular. M. Lichter. 2,270,455; Jan. 20.
Materials containing cellulose, Improving. C. Graenacher and R. Sallmann. 2,270,520; Jan. 20.
Materials, Treatment of lamellar. W. Waterman and C. Harazin. 2,270,568; Jan. 20.
Measuring and control apparatus. H. S. Jones. 2,270,732; Jan. 20.
Measuring apparatus, Displacement. C. A. Davis. 2,270,699; Jan. 20.
Metal fixture for reclining chairs. M. Fox. 2,270,430; Jan. 20.
Metal oxide catalyst, Gel-type. R. E. Burk and E. C. Hughes. 2,270,503; Jan. 20.
Meter: *See*—
Frequency deviation meter.
Meter attachment, Automatic computing and billing. H. M. Keckley. 2,270,591; Jan. 20.
Meter connection appliance, Electric. G. E. Palmer. 2,270,228; Jan. 20.
Method and apparatus for closing and sealing paperboard boxes and cartons. H. A. Carruth. 2,270,264; Jan. 20.
Method and apparatus for cooking foods. J. Mills and C. W. Lang. 2,270,327; Jan. 20.
Method and apparatus for making dental restorations. S. C. Fournet. 2,270,629; Jan. 20.
Method of and apparatus for making dentures. W. E. Sanborn. 2,270,561; Jan. 20.
Method of and apparatus for recovering precious ores. E. Keyser and S. Prusinski. 2,270,526; Jan. 20.
Microinjector. S. R. Dutky and W. C. Fest. 2,270,804; Jan. 20.
Mine-sweeping apparatus. W. F. Yancey. 2,270,694; Jan. 20.
Mining machine, Dry placer. C. R. Dennison. 2,270,275; Jan. 20.
Mixer: *See*—
Concrete mixer.
Mixer agitator, Drink. A. W. Seyfried. 2,270,480; Jan. 20.
Modulation system. F. E. Terman. 2,270,394; Jan. 20.
Mold. T. B. Chace. 2,270,267; Jan. 20.
Mold. T. B. Chace. 2,270,830; Jan. 20.
Mold wash, Foundry. P. A. Ray. 2,270,770; Jan. 20.
Molecular mixtures, Separating high. S. Pilat and M. Godlewicz. 2,270,674; Jan. 20.
Monitoring system for sound recording. M. T. Schomacker. 2,270,350; Jan. 20.
Morpholine compound and preparation. W. H. Wood. 2,270,490; Jan. 20.
Motor: *See*—
Electric motor. Pressure fluid motor.
Motor vehicle attachment. W. R. Brewster. 2,270,499; Jan. 20.
Mould. T. B. Chace. 2,270,830; Jan. 20.
Mounting: *See*—
Resilient mounting.
Mounting and operating mechanism for mud guns. E. E. Brosius. 2,270,256; Jan. 20.
Mower. P. A. Campbell. 2,270,646; Jan. 20.
Neckerchief. M. R. Gray. 2,270,521; Jan. 20.
Neoarsphenamine, Precipitating. W. G. Christiansen and A. E. Jurist. 2,270,269; Jan. 20.
Nozzle, Flexible. R. K. Nash. 2,270,463; Jan. 20.
Nutrient solution. C. Ellis. 2,270,518; Jan. 20.
Oil burner. A. C. Camertoni. 2,270,623; Jan. 20.
Oil burner. W. W. Hallinan. 2,270,631; Jan. 20.
Oil burner accessory. J. Goffredo. 2,270,433; Jan. 20.
Oil, Compounded lubricating. R. F. Bergstrom and E. E. Phillips. 2,270,577; Jan. 20.
Oil, Lubricating. E. W. Adams, L. C. Brunstrum, and A. W. Weitkamp. 2,270,241; Jan. 20.
Oil with catalysts, Cracking. R. M. Melaven and R. V. Shankland. 2,270,812; Jan. 20.
Oils, Dehydrating. S. E. Campbell. 2,270,412; Jan. 20.
Optical objective. A. Warmisham. 2,270,234–5; Jan. 20.
Oscillation generator, High frequency. W. Schoufeld. 2,270,771; Jan. 20.
Oscillator, Diode. F. B. Llewellyn. 2,270,638; Jan. 20.
Oscillator-modulator circuit. M. J. O. Strutt and A. van der Ziel. 2,270,791; Jan. 20.
Oxygen supply control mechanism. P. F. Meyn. 2,270,659; Jan. 20.
Papermaking machinery. W. C. Nash. 2,270,465; Jan. 20.
Paper trimmer or the like. P. Porcelli. 2,270,473; Jan. 20.
Pavement. K. E. McConnaughay. 2,270,459; Jan. 20.
Pentaerythritol, Purification of. J. A. Wyler. 2,270,839; Jan. 20.
Percussion device. W. M. Drennon. 2,270,752; Jan. 20.
Petroleum, Desalting. S. E. Campbell. 2,270,411; Jan. 20.
Petroleum distillates, Catalytic treatment of. E. T. Layng and L. C. Rubin. 2,270,715; Jan. 20.
Pharmaceutical preparation, Staple. L. Schütz. 2,270,689; Jan. 20.
Phase shifting device, Electrical. A. Kahn. 2,270,449; Jan. 20.
Phonograph. P. Catucci. 2,270,415; Jan. 20.
Phonograph. O. M. Dunning and L. Z. La Forest. 2,270,832; Jan. 20.
Photographic printing device. J. T. Campbell. 2,270,578; Jan. 20.
Photography, Color. J. A. Ball. 2,270,749; Jan. 20.
Photography, Color. C. W. Wyckoff. 2,270,746; Jan. 20.
Piano action. C. Farny. 2,270,426; Jan. 20.
Pillow block. R. R. Searles. 2,270,663; Jan. 20.
Pin holder. R. Noble. 2,270,331; Jan. 20.
Pinking machine. H. Lyon. 2,270,456; Jan. 20.
Pipe cleaning device. C. J. Kern. 2,270,452; Jan. 20.
Pipe coupling. R. B. Henning. 2,270,296; Jan. 20.
Plate, Electric cooking. M. S. Grunder. 2,270,293; Jan. 20.
Playing ball cover. R. J. Potito. 2,270,553; Jan. 20.
Plug: *See*—
Casing plug. Spark plug.
Cementing plug.
Pocketknife. C. R. Keenan. 2,270,655; Jan. 20.
Polishing device. H. Singer. 2,270,744; Jan. 20.
Press: *See*—
Printing press.
Press. R. W. Allen. 2,270,817; Jan. 20.
Pressing device. V. D. Graham. 2,270,290; Jan. 20.
Pressure fluid motor. F. E. Sinclair. 2,270,743; Jan. 20.
Pressure relief valve. H. C. Osborn, Jr. 2,270,332–3; Jan. 20.
Pressure relief valve. H. C. Osborn, Jr. 2,270,468–9; Jan. 20.
Print drier. P. M. Lott. 2,270,321; Jan. 20.
Printing, Intaglio. G. Kanitz. 2,270,374; Jan. 20.
Printing press. G. C. Waters. 2,270,485; Jan. 20.
Printing press, Convertible. W. W. Davidson. 2,270,272–3; Jan. 20.
Printing roller. W. C. Hart. 2,270,436; Jan. 20.
Propeller. E. E. Baldwin. 2,270,615; Jan. 20.
Propelling apparatus for boats, Hydraulic. S. V. Shannahan. 2,270,690; Jan. 20.
Pruning implement. H. B. Bernay. 2,270,495; Jan. 20.
Projection apparatus. A. Drucker. 2,270,517; Jan. 20.
Pump: *See*—
Deep well pump.
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Pump for oil engines, Fuel measuring and distributing. F. D. Butler. 2,270,263; Jan. 20.
Quartz and producing and working them, Article of vitreous. F. Skaupy and G. Weissenberg. 2,270,718; Jan. 20.
Rack for refrigerator cars. C. S. Carlson. 2,270,506; Jan. 20.

Radio beacon shielding arrangement. A. Alford. 2,270,401; Jan. 20.
Radio-receiving apparatus. D. C. Espley. 2,270,652; Jan. 20.
Railway brake beam. I. J. Spaeth and E. G. Busse. 2,270,610; Jan. 20.
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Razor, Magazine safety. J. Muros. 2,270,543; Jan. 20.
Razor, Safety. S. C. Stampleman. 2,270,388; Jan. 20.
Receptacle sealing cap. E. H. Fabrice. 2,270,424; Jan. 20.
Reclaiming tank. G. Bell. 2,270,616; Jan. 20.
Rectifier circuit. J. R. Clark. 2,270,697; Jan. 20.
Refrigerator. C. H. Nauert. 2,270,544; Jan. 20.
Register, Autographic. C. J. Manuel. 2,270,739; Jan. 20.
Relaxation oscillation generator. D. H. Black. 2,270,405; Jan. 20.
Resilient mounting. H. C. Lord. 2,270,673; Jan. 20.
Resilient wheel. C. Burton and D. P. Steward. 2,270,622; Jan. 20.
Roasting control and method, Analytic. H. S. Polin and J. F. Aims. 2,270,768; Jan. 20.
Roller. J. N. Summers. 2,270,390; Jan. 20.
Roller adjustment for printing presses. A. E. Crostic. 2,270,698; Jan. 20.
Rope machine. J. M. Cattoor. 2,270,237; Jan. 20.
Rotary displacement device. C. Bancroft. 2,270,493; Jan. 20.
Rotary separator. E. E. Bernard. 2,270,703; Jan. 20.
Roughing machine. E. E. Winkley. 2,270,399; Jan. 20.
Rule, Automobile perforating and scoring. H. O. Reinsch. 2,270,475; Jan. 20.
Rule, Telescoping measuring. C. G. Swanson. 2,270,355; Jan. 20.
Rubbing machine. O. A. Kehle. 2,270,309; Jan. 20.
Safe protection. C. R. Davis. 2,270,274; Jan. 20.
Salts of certain methylene diamines with certain petroleum sulphonic acids. M. De Groote. 2,270,681; Jan. 20.
Sampling device. R. C. Crain. 2,270,511; Jan. 20.
Saw. S. E. Thornton. 2,270,776; Jan. 20.
Screen frame lacer retainer assembly. W. B. Ewing. 2,270,423; Jan. 20.
Screw and lock washer assembly. C. W. Baker. 2,270,748; Jan. 20.
Screw and lock washer, Combined. J. J. Tomalis. 2,270,359; Jan. 20.
Screw and lock washer unit, Preassembled. C. G. Olson. 2,270,813; Jan. 20.
Screw and nut gearing. R. R. Knudsen. 2,270,735; Jan. 20.
Seal, Adjustable balance. W. D. Leonard. 2,270,811; Jan. 20.
Sealing device. F. B. Doyle. 2,270,651; Jan. 20.
Seat cover. M. B. Morgan. 2,270,598; Jan. 20.
Self-aligning bearing. C. R. Talmage and E. B. Lau. 2,270,392; Jan. 20.
Separator: *See*—
Rotary separator.
Sewing machine attachment. T. Crocella and H. Mayer. 2,270,650; Jan. 20.
Sewing machine, Button. J. H. Pikul and S. W. Avis. 2,270,552; Jan. 20.
Sewing mechanism. A. S. Mitchell, H. M. Ratley, and C. J. Davies. 2,270,761; Jan. 20.
Shaft collar. W. M. Nash. 2,270,466; Jan. 20.
Shears. J. H. Medlen. 2,270,596; Jan. 20.
Sheet control, Transfer. J. G. Kerr. 2,270,733; Jan. 20.
Shelf, Automobile. A. Randall. 2,270,557; Jan. 20.
Shelf structure, Retractile. P. J. Birkmeyer. 2,270,249; Jan. 20.
Shingle and like material. L. Kirschbraun. 2,270,734; Jan. 20.
Shoe cleaner and color striper. W. E. Hight. 2,270,298; Jan. 20.
Shoe counter. E. C. Blackwell. 2,270,251; Jan. 20.
Shoe, Folding. E. A. Westphal. 2,270,721; Jan. 20.
Sighting means for firearms. J. J. Humski. 2,270,707; Jan. 20.
Sign: *See*—
Illuminated sign.
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Signal system. H. O. Quick. 2,270,769; Jan. 20.
Signal system, Motor vehicle. F. C. Best. 2,270,402; Jan. 20.
Signaling device for motor vehicles, Horn. H. Howe. 2,270,682; Jan. 20.
Sink and the like. J. Stanitz. 2,270,774; Jan. 20.
Siphon breaker and valve. J. D. Langdon. 2,270,737–8; Jan. 20.
Skating rink. N. T. Todd. 2,270,745; Jan. 20.
Slab, Interlocking building. J. C. Earl. 2,270,627; Jan. 20.
Sleeve arrangement for garments. R. B. Hansen. 2,270,435; Jan. 20.
Slider for separable fasteners. D. B. Gilmore. 2,270,782; Jan. 20.
Soldering alloy. J. Leuser. 2,270,594; Jan. 20.
Solenoid-controlled brake. J. C. Cox. 2,270,417; Jan. 20.
Solvent cleaning system, Liquid. S. A. Smith. 2,270,609; Jan. 20.
Solvent extraction of liquid mixtures. S. Tijmstra. 2,270,827; Jan. 20.
Sorting machine, Can. E. L. Flint. 2,270,428; Jan. 20.
Sound-absorbing structure. J. S. Parkinson and W. I. Lucius. 2,270,825; Jan. 20.
Sound and other records, Production of. C. M. Burrill. 2,270,261; Jan. 20.
Sound recording system. C. N. Batsel. 2,270,247; Jan. 20.
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Spark plug. E. B. Nowosielski. 2,270,765; Jan. 20.
Spectacle temples, Adjustable. F. Riegler. 2,270,558; Jan. 20.
Speed controlled brake. J. Canetta. 2,270,413; Jan. 20.
Spring: *See*—
Vehicle spring.
Spring collet. D. H. Montgomery. 2,270,661; Jan. 20.
Spring key holder. R. C. Brugnoni. 2,270,621; Jan. 20.
Sprinkler, Lawn. J. D. Lewis. 2,270,595; Jan. 20.
Stabilizer for paper winder, Set. R. M. Johnson. 2,270,806; Jan. 20.
Staple package. D. R. La Place. 2,270,803; Jan. 20.
Staple, Utility. A. G. Faggard. 2,270,284; Jan. 20.
Steam generator. R. Biersack. 2,270,704; Jan. 20.
Steel article, Coated. M. H. Raney. 2,270,662; Jan. 20.
Steel strip, Cold rolled silicon. W. Morrill. 2,270,762; Jan. 20.
Steering wheel and horn ring, Combined. J. Oswald. 2,270,550; Jan. 20.
Sterilizing apparatus. L. Weintraub. 2,270,792; Jan. 20.
Stick, Walking. H. Brand. 2,270,254; Jan. 20.
Stop mechanism, One-way. A. A. Ewald. 2,270,283; Jan. 20.
Storage receptacle and conditioner for paint brushes. E. Kurath, J. F. Campbell, and J. M. Ness. 2,270,593; Jan. 20.
Strainer. H. G. Rorabaugh. 2,270,605; Jan. 20.
Sugar derivatives of compounds of the suprarenal cortical hormone series and making the same. K. Miescher and W. Fischer. 2,270,379; Jan. 20.
Sugar derivatives of nonsteroids having the effect of sterold hormones, and making the same. K. Miescher, W. Fischer, and J. Heer. 2,270,380; Jan. 20.
Sulphur dioxide to sulphur by natural gas, Reducing. E. P. Fleming and T. C. Fitt. 2,270,427; Jan. 20.
Supercharger. J. F. White. 2,270,489; Jan. 20.
Support: *See*—
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Swinging arm support. R. G. Birr. 2,270,250; Jan. 20.
Switch: *See*—
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Tank: *See*—
Reclining tank.
Tank testing device. E. M. Jones, J. L. Smith, and S. H. Trinneer. 2,270,447; Jan. 20.
Tappet silencer. W. Hokstad. 2,270,633; Jan. 20.
Telephone system. H. M. Bascom and W. A. Rhodes. 2,270,246; Jan. 20.
Television receiving system. A. H. Rosenthal. 2,270,232; Jan. 20.
Tensioning means, Multiple pin. I. B. Hill. 2,270,438; Jan. 20.
Textile materials, Treatment of. W. Linnhoff. 2,270,658; Jan. 20.
Therapeutic method and apparatus. H. T. Kraft. 2,270,313; Jan. 20.
Thermostatic apparatus. E. N. Lightfoot. 2,270,738; Jan. 20.
Threading machine. R. Tewksbury. 2,270,358; Jan. 20.
Tie for concrete forms, Adjustable. A. C. Juhl. 2,270,448; Jan. 20.
Timing light. F. J. Badalewski. 2,270,492; Jan. 20.
Tire removing tool. G. M. Meinzinger. 2,270,758–9; Jan. 20.
Tool: *See*—
Ceramic cutting tool. Machine tool.
Cutting tool. Tire removing tool.
Grinding tool.
Tool and making same, Abrasive. L. Buchmann. 2,270,258; Jan. 20.
Tool for spot welding electrodes, Cleaning. C. L. Hibert. 2,270,835; Jan. 20.
Torch, Blow. S. E. Peters. 2,270,826; Jan. 20.
Towel magazine and feeding device, Roll. J. Rousso. 2,270,344; Jan. 20.
Traction increaser apparatus. C. C. Farmer. 2,270,425; Jan. 20.
Transfer and hoist, Portable. J. Rousso. 2,270,346; Jan. 20.
Transmission. A. Y. Dodge. 2,270,515; Jan. 20.
Transmission dynamometer. A. V. Mershon. 2,270,760; Jan. 20.
Transmission system, Multicarrier. T. S. Skillman. 2,270,385; Jan. 20.
Tray, Ash. L. L. Dalrymple and De M. Dickson. 2,270,370; Jan. 20.
Tray, Ash. S. Friedman. 2,270,781; Jan. 20.
Tray, Water cooled impression. S. L. Jefferies. 2,270,836; Jan. 20.

Trimethyl-hydroquinone, Manufacture of condensation products from. O. Isler. 2,270,634; Jan. 20.
Trimmer, Lawn. H. M. Corley. 2,270,649; Jan. 20.
Truck and portable conveyer, Hopper feeding transfer. J. Rousso. 2,270,345; Jan. 20.
Truck, Industrial. E. W. Weaver. 2,270,664; Jan. 20.
Truss. J. D. Grey. 2,270,291; Jan. 20.
Tubing, Reducing metal. S. Westin. 2,270,398; Jan. 20.
Tuning mechanism for multiband receivers. H. Schröder. 2,270,772; Jan. 20.
Typewriting machine. O. W. Swanson. 2,270,391; Jan. 20.
Universal joint. G. E. Dunn. 2,270,279–81; Jan. 20.
Universal joint. A. A. Warner. 2,270,397; Jan. 20.
Vacuum cleaner pneumatic annunciator. W. Leathers. 2,270,318; Jan. 20.
Vacuum roll. W. C. Nash. 2,270,464; Jan. 20.
Valve: *See*—
Pressure relief valve.
Valve. W. H. Taylor. 2,270,356; Jan. 20.
Valve. W. G. Wilson. 2,270,365; Jan. 20.
Valve assembly. H. H. Bixler. 2,270,751; Jan. 20.
Valve for fluid operated devices, Control. G. H. Orr. 2,270,549; Jan. 20.
Vanadium from vanadium bearing materials, Recovery of. L. G. Jenness. 2,270,444; Jan. 20.
Vanadium, Iranium, and radium from their ores, Recovery of. L. G. Jenness. 2,270,445; Jan. 20.
Vehicle spring. H. T. Dow. 2,270,516; Jan. 20.
Vibration absorber. C. L. Paulus. 2,270,336; Jan. 20.
Vibration isolator. J. S. Parkinson, J. Y. Dunbar, and W. A. Jack, 3rd. 2,270,335; Jan. 20.
Vinyl polymers, Dyeing. K. Heymann. 2,270,706; Jan. 20.
Volume checking fixture. J. A. Burleson. 2,270,505; Jan. 20.
Wash arrangement. W. Rotter. 2,270,606; Jan. 20.
Washer: *See*—
Screw and lock washer.
Washing machine. H. F. Bariffi. 2,270,750; Jan. 20.
Washing machine. C. R. Evans. 2,270,805; Jan. 20.
Water cooker for electric refrigerators. H. J. Clark. 2,270,624; Jan. 20.
Water injector for hot water supply pipes, Cold. E. H. Ruppert and G. H. Lippincott. 2,270,641; Jan. 20.
Weld head support and aligning device for welding. F. Pierce. 2,270,766; Jan. 20.
Welding electrode holder. E. and G. Brazitis. 2,270,724; Jan. 20.
Welding equipment. H. T. Platz. 2,270,767; Jan. 20.
Wheel: *See*—
Resilient wheel.
Wheel alignment indicator. N. Pearce. 2,270,230; Jan. 20.
Wheel suspension for motor vehicles. H. T. Woolson, A. G. Herreshoff, H. A. Hicks, and G. H. Parker. 2,270,571; Jan. 20.
Wheel suspension for motor vehicles. H. T. Woolson, A. G. Herreshoff, H. A. Hicks, G. H. Parker, and R. A. Wyatt. 2,270,572; Jan. 20.
Winch construction. G. I. Clark. 2,270,507; Jan. 20.
Winding-up device for watches, Tight. J. Simon. 2,270,384; Jan. 20.
Window. C. F. Krueger. 2,270,315; Jan. 20.
Window holder and lock. W. H. and S. J. Forester. 2,270,795; Jan. 20.
Windshield wiper. W. C. Hansen. 2,270,589; Jan. 20.
Wood in kilns, Accelerating air drying of. J. A. Vaughan. 2,270,815; Jan. 20.
Wrapping machine. F. G. Cook. 2,270,818; Jan. 20.
Wringer. W. L. Kauffman, II. 2,270,450; Jan. 20.
Wringer. I. Turner. 2,270,693; Jan. 20.
X-ray apparatus. G. Kloos. 2,270,531; Jan. 20.
Yarn binder for knitting machines. O. Fregeolle. 2,270,432; Jan. 20.
Yarn package holder. J. J. Kloran. 2,270,312; Jan. 20.
Zinc smelter retort charging machine. T. R. Morrison. 2,270,381; Jan. 20.
Zirconium dioxide, Preparation of. C. J. Kinzie, R. P. Easton, and V. V. Efimoff. 2,270,527; Jan. 20.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 20, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20. 1905, Sec. 6, as amended Mar. 2, 1907]

Abraham & Straus, Inc., Brooklyn, N. Y. Decorative window curtains. Serial No. 446,851; Jan. 27. Class 42.

American Bitumuls Company, Wilmington, Del. Asphalt, asphalt emulsions, asphalt compositions. Serial No. 438,188; Jan. 27. Class 12.

Andrews William T., doing business as Andrews Industries, Stamford, Conn. Electric typewriter carriage shift. Serial No. 447,786; Jan. 27. Class 23.

Apel-Joy Co., The, Tonawanda, N. Y. Maltless, non-alcoholic, non-cereal apple beverage and syrup and extracts for making the same. Serial No. 406,167; Jan. 27. Class 45.

Arkadelphia Milling Company, Incorporated, Arkadelphia, Ark. Wheat flour. Serial No. 447,927; Jan. 27. Class 46.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. Serial No. 448,466; Jan. 27. Class 17.

Barnes, Henry K., Company, Salem, Mass. Leather textile aprons. Serial No. 448,933; Jan. 27. Class 23.

California Piece Dye Works, Los Angeles, Calif. Table cloths, napkins, towels, etc. Serial No. 447,972; Jan. 27. Class 42.

Camden Furniture Company, Camden, Ark. Wooden bedroom furniture. Serial No. 449,407; Jan. 27. Class 32.

Cantor-Greenspan Co., Inc., New York, N. Y. Spun rayon piece goods. Serial No. 447,555; Jan. 27. Class 42.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Refractory material and for chemical putty. Serial No. 448,671; Jan. 27. Class 12.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods to be used in cravats, dresses, shirts, etc. Serial No. 447,226; Jan. 27. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods, and combinations thereof. Serial No. 449,038; Jan. 27. Class 42.

Consolidated Red Cedar Shingle Association of British Columbia, Vancouver, British Columbia, Canada. Red cedar shingles. Serial No. 446,099; Jan. 27. Class 12.

Coventry Climax Engines Limited, Coventry, England. Internal combustion engines and fire-fighting appliances. Serial No. 448,244; Jan. 27. Class 23.

Crown Weaving Mills, Inc., Los Angeles, Calif. Woven piece goods. Serial No. 448,360; Jan. 27. Class 42.

Crystal, David, Inc., New York, N. Y. Perfume. Serial No. 449,093; Jan. 27. Class 6.

Daryl Dress Co., St. Louis, Mo. Dresses and dress ensembles. Serial No. 448,603; Jan. 27. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Women's and ladies' and misses' coats, suits, and jackets. Serial No. 448,379; Jan. 27. Class 39.

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures, particularly fluorescent industrial fixtures. Serial No. 447,557; Jan. 27. Class 21.

Falls Company, The, Norwich, Conn. Cotton awning fabrics and cloths. Serial No. 445,046; Jan. 27. Class 42.

Fricke & Getz Dental Mfg. Co., Chicago, Ill. Material for making dentures, jackets, inlays, bridges, veneers, and teeth. Serial No. 449,485; Jan. 27. Class 44.

Guarantee Specialty Manufacturing Co., The, Cleveland, Ohio. Venetian blinds, metal and wood tassels, brackets, etc. Serial No. 448,453; Jan. 27. Class 13.

Hedwig, Inc., New York, N. Y. Brassières. Serial No. 448,730; Jan. 27. Class 39.

Henry, Sidney, New York, N. Y. Perfumes, toilet water, cologne, etc. Serial No. 438,132; Jan. 27. Class 6.

Hines, Gordon, Kansas City, Mo. Photographic, moving picture film. Serial No. 447,393; Jan. 27. Class 26.

Hodgman Rubber Company, Framingham, Mass. Refrigerator bags. Serial No. 448,907; Jan. 27. Class 2.

Hooven & Allison Company, The, Xenia, Ohio. Rope and binder twine. Serial No. 447,333; Jan. 27. Class 7.

Kamenetzky, Abraham, Brooklyn, N. Y. Furnace boilers. Serial No. 448,865; Jan. 27. Class 34.

Kimberly Gem Co., Inc., New York, N. Y. Zircons and articles of jewelry set or mounted with zircons. Serial No. 447,880; Jan. 27. Class 28.

Kofka, Albert M., New York, N. Y. Festoons and valances used with draperies. Serial No. 448,194; Jan. 27. Class 42.

Larson, Anabel, Hoquiam, Wash. Trays for holding hairpins and bobby pins. Serial No. 449,010; Jan. 27. Class 2.

Lehman-Baer Co., Inc., Baltimore, Md. Clothing. Serial No. 446,165; Jan. 27. Class 39.

Lloyd Products Company, The, Providence, R. I. Sockets for gas filled electrically-energized lamps and starters for such lamps. Serial No. 445,994; Jan. 27. Class 21.

Maison Jeunelle-Seventeen, Inc., New York, N. Y. Perfumes, face powder, creams, etc. Serial No. 446,524; Jan. 27. Class 6.

Marshall Field & Company, Chicago, Ill. Pastry canvas. Serial No. 448,609; Jan. 27. Class 42.

Mayer, Frank, doing business as Sunset Valley Orange Co., Chicago, Ill. Beverages made with a fruit juice base. Serial No. 445,428; Jan. 27. Class 45.

Metallizing Company of America, Inc., Chicago, Ill. Metal spray guns and component parts thereof. Serial No. 446,856; Jan. 27. Class 23.

Oil Lift Supply Company, Greggton, Tex. Bottom hole pumps and plungers. Serial No. 448,517; Jan. 27. Class 23.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Carving sets of base metal and cutlery—namely, knives, forks, and spoons. Serial No. 448,263; Jan. 27. Class 23.

Pierce Governor Company, Anderson, Ind. Governors of the vacuum and/or velocity operable type and spark controls for internal combustion engines. Serial No. 447,763; Jan. 27. Class 23.

Pine Bros., Inc., Philadelphia, Pa. Ant-acid preparation. Serial No. 449,292; Jan. 27. Class 6.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Store front constructions. Serial No. 444,657; Jan. 27. Class 12.

Plastergon Wall Board Company, Buffalo, N. Y. Mineral wool composition. Serial No. 448,229; Jan. 27. Class 12.

Plastic Products Company, Detroit, Mich. Joint sealing material. Serial No. 444,912; Jan. 27. Class 12.

Proctor & Schwartz, Incorporated, Philadelphia, Pa. Electric toasters. Serial No. 448,116; Jan. 27. Class 21.

Raylass Chain Stores, Inc., New York, N. Y. Sleeping apparel. Serial No. 449,068; Jan. 27. Class 39.

RCA Manufacturing Company, Inc., Camden, N. J. Thermostatic electric heating system control units, apparatus and equipment for inspecting contents of bottles, electron microscopes, etc. Serial No. 433,447; Jan. 27. Class 26.

Richardson Corporation, Rochester, N. Y. Crushed and whole fruits, fruit, nut, marshmallow, fudge, butterscotch, and caramel toppings. Serial No. 447,490; Jan. 27. Class 46.

Roditi, D., & Sons, Inc., New York, N. Y. Radio receiving sets and parts thereof. Serial No. 446,634; Jan. 27. Class 21.

Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors, and more particularly rum. Serial No. 448,582; Jan. 27. Class 49.

Roxborough Company, The, Philadelphia, Pa. Hosiery. Serial No. 448,527; Jan. 27. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Shoes. Serial Nos. 448,656–7; Jan. 27. Class 39.

Seminole Flavor Company, Chattanooga, Tenn. Carbonated, non-alcoholic, non-cereal, maltless beverages, and syrups. Serial No. 448,375; Jan. 27. Class 45.

Shaw, John E., doing business as Shaw & Co., Los Angeles, Calif. Drills, bits, and reamers applicable to machine shop equipment. Serial No. 447,958; Jan. 27. Class 23.

Siegel, Milton H., Baltimore, Md. Wearing apparel. Serial No. 448,877; Jan. 27. Class 39.

Smith, J. Howard, New York, N. Y. Fish meal used as an ingredient in feed. Serial No. 446,090; Jan. 27. Class 46.

Smith, Robert A., doing business as Smith & Serrell, Newark, N. J. Machinery shaft couplings and parts thereof. Serial No. 444,982; Jan. 27. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating greases. Serial No. 448,479; Jan. 27. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Insulating oil for electric cables. Serial No. 448,481; Jan. 27. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating greases. Serial No. 448,482; Jan. 27. Class 15.

Sterling Brewers, Inc., Evansville, Ind. Ale. Serial No. 448,627; Jan. 27. Class 48.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. Serial No. 448,772; Jan. 27. Class 39.

Sunset Valley Orange Co. (See Mayer, Frank.)

Tabin-Pearlman Clothes, Inc., New York, N. Y. Men's suits, topcoats, shirts, etc. Serial No. 446,556; Jan. 27. Class 39.

Titan Valve and Manufacturing Company, The, Cleveland, Ohio. Thermostatic valves for hot water heaters and the like. Serial No. 448,233; Jan. 27. Class 26.

Toledo Steel Products Company, The, Toledo, Ohio. Internal combustion engine pistons, piston pins, bearings, and connecting rods. Serial No. 448,017; Jan. 27. Class 23.

Turner, Albert, Inc., New York, N. Y. Men's and boys' coats, top coats, suits, etc. Serial No. 447,898; Jan. 27. Class 39.

United American Metals Corporation, Brooklyn, N. Y. Non-ferrous metal and alloy remelters. Serial Nos. 449,070–1; Jan. 27. Class 34.

Universal Crusher Company, Cedar Rapids, Iowa. Devices for crushing, screening, and loading and handling rock and similar materials, etc. Serial Nos. 443,440–2; Jan. 27. Class 23.

Wertz, Louis S., Mfg. Co., Cleveland, Ohio. Finely divided material for incorporation in hydraulic cement mixes to improve the properties thereof. Serial No. 446,934; Jan. 27. Class 12.

Western Auto Supply Company, Los Angeles, Calif. Razor blades. Serial No. 449,030; Jan. 27. Class 23.

Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus of the telegraphone type. Serial No. 448,928; Jan. 27. Class 21.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Pipe fittings. Serial No. 444,060; Jan. 27. Class 13.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Fluid pressure actuated brake cylinders, fluid compressors, lubricator units, etc. Serial No. 444,112; Jan. 27. Class 23.

Wilson & Co., Inc., Chicago, Ill. Gelatin coated fresh and cured meats—namely, beef, lamb, veal, pork, etc. Serial No. 444,367; Jan. 27. Class 46.

Wilson, H. A., Company, The, Newark, N. J. Electrical contacts. Serial No. 438,228; Jan. 27. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. 393,055; Jan. 27; Serial No. 441,802; published Apr. 29, 1941. Class 6.

Abbott Laboratories, North Chicago, Ill. Cough syrup. 393,197; Jan. 27; Serial No. 447,177; published Nov. 11, 1941. Class 6.

Abbott Laboratories, North Chicago, Ill. Medicinal troches for the control of simple coughs. 393,202; Jan. 27; Serial No. 447,222; published Nov. 4, 1941. Class 6.

Aldrich Company, Wyoming, Ill. Solid and fluid fuel burning boilers, furnaces, and burners. 393,044; Jan. 27; Serial No. 439,789; published Nov. 18, 1941. Class 34.

Algaclon Corporation. (See Damianos, John, assignor.)

All-Foods Distributing Co. (See Lang, Henry J.)

Allied Stores Corporation, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash. Hosiery. 393,205; Jan. 27; Serial No. 446,682; published Oct. 28, 1941. Class 39.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Calculating devices of the slide rule type. 393,057; Jan. 27; Serial No. 441,844; published Nov. 18, 1941. Class 26.

Altman, B., & Co., New York, N. Y. Cotton piece goods, blankets, sheets, etc. 393,034; Jan. 27; Serial No. 435,745; published Nov. 18, 1941. Class 42.

American Agricultural Chemical Company, The, assignor to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 149,816; renewed Dec. 27, 1941.

American Aniline Products, Inc., New York, N. Y. Textile dyeing assistants and assistants in the developing of acetate developed blacks. 393,208; Jan. 27; Serial No. 446,749; published Nov. 11, 1941. Class 6.

American Apothecaries Company, Long Island City, N. Y. Medicinal preparation for the treatment of bronchitis, asthma, coughs, etc. 393,233; Jan. 27; Serial No. 447,299; published Nov. 18, 1941. Class 6.

American Cyanamid & Chemical Corporation, New York, N. Y. Bating compound for use in the treatment of leather. 393,074; Jan. 27; Serial No. 443,993; published Nov. 4, 1941. Class 6.

American Home Product Corporation. (See International Vitamin Corp.)

American Optical Company, Southbridge, Mass. Helmets, hand shields, protection goggles and parts therefor, glass plates, etc. 393,052; Jan. 27; Serial No. 441,297; published Nov. 18, 1941. Class 26.

American Optical Company, Southbridge, Mass. Goggles and sunglasses and parts therefor consisting of eye protection lenses and frames. 393,226; Jan. 27; Serial No. 447,264; published Nov. 18, 1941. Class 26.

Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure caps. 393,087; Jan. 27; Serial No. 444,816; published Nov. 18, 1941. Class 50.

Aron, J., & Company, Inc., New York, N. Y. Coffee. 150,226; renewed Jan. 3, 1942.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 155,370; renewed May 30, 1942.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 155,375; renewed May 30, 1942.

Ashland Oil and Refining Company, Ashland, Ky. Lubricating oils and greases. 393,176; Jan. 27; Serial No. 447,055; published Nov. 18, 1941. Class 15.

Associated Retail Millinery, Incorporated, Dallas, Tex. Hats for women. 393,206; Jan. 27; Serial No. 446,685; published Nov. 18, 1941. Class 39.

Avoset Incorporated. (See Real Cream Incorporated.)

Ayer, Harriet Hubbard, Inc. (See Cheramy, Inc., assignor.)

Barbour Welting Company. (See Brockton Rand Company, assignor.)

Bellin's Wonderstoen Co., Inc., New York, N. Y. Skin lotion. 393,107; Jan. 27; Serial No. 445,798; published Nov. 11, 1941. Class 6.

Bernard, Dr. Bernard, New York, N. Y. Perfumes, toilet water, lotions for the hands and face, face powders, etc. 393,236; Jan. 27; Serial No. 447,320; published Nov. 4, 1941. Class 6.

Beverages of America Bottling Company. (See Webb, Samuel E.)

Blackinton, R., & Co., North Attleboro, Mass. Flatware, tableware, silverware and dresserware, etc. 393,151; Jan. 27; Serial No. 446,560; published Nov. 18, 1941. Class 28.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Food colorings. 393,207; Jan. 27; Serial No. 446,725; published Nov. 11, 1941. Class 6.

Bon Marche, The. (See Allied Stores Corporation.)

Bonne Bell, Inc., Cleveland, Ohio. Foundation creams. 393,081; Jan. 27; Serial No. 444,593; published Nov. 11, 1941. Class 6.

Booth, F. E., Company, Inc., San Francisco, Calif. Fish oil. 393,126; Jan. 27; Serial No. 446,190; published Nov. 11, 1941. Class 6.

Braunstein, Jack, New York, N. Y. Women's dresses. 393,140; Jan. 27. Serial No. 446,383; published Nov. 18, 1941. Class 39.

Bristol-Meyers Company, New York, N. Y. Preparation for the care and treatment of the hair and scalp. 393,063; Jan. 27; Serial No. 442,828; published July 1, 1941. Class 6.

Brockton Rand Company, Montello, Brockton, assignor, by mesne assignments, to Barbour Welting Company, Brockton, Mass. Welting. 154,886; renewed May 16, 1942.

Brownstein-Louis Company, Los Angeles, Calif. Men's, women's, and children's outershirts. 393,215; Jan. 27; Serial No. 446,859; published Nov. 11, 1941. Class 39.

Buitoni Products, Inc., New York, N. Y. Spaghetti and sauces therefor. 393,264; Jan. 27. Class 46.

Byer-Rolnick Company, Garland, Tex. Men's hats. 393,219; Jan. 27; Serial No. 446,905; published Nov. 18, 1941. Class 39.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 393,100; Jan. 27; Serial No. 445,626; published Nov. 18, 1941. Class 46.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemical preparation for inhibiting corrosion. 393,239; Jan. 27; Serial No. 447,357; published Nov. 18, 1941. Class 6.

Cardais Cloak Co., St. Louis, Mo. Wearing apparel—namely, removable coat collars. 393,123; Jan. 27; Serial No. 446,123; published Nov. 4, 1941. Class 39.

Carey, Philip, Manufacturing Company, The, Lockland, Ohio. Grease stock. 149,200; renewed Dec. 6, 1941.

Carter Products, Inc., New York, N. Y. Antiperspirant and perspiration deodorant. 393,240; Jan. 27; Serial No. 447,360; published Nov. 18, 1941. Class 6.

Cavalier Hat Company. (See Kaufmann and Co.)

Chapman & Smith Company, Chicago, Ill. Colorings for foods. 393,029; Jan. 27; Serial No. 434,554; published Nov. 11, 1941. Class 6.

Chatham Pharmaceuticals, Inc. (See Steinberg, Arthur.)

Chemical Manufacturing and Distributing Company. (See Schaad, Carl E.)

Cheramy, Inc., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y. Perfumes, sachets, talcum powder, face powder, cold cream, rouge, brilliantine, and toilet water. 151,444; renewed Feb. 7, 1942.

Chick Bed Company. (See Kohl, Otto A.)

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and men's underwear. 393,220; Jan. 27; Serial No. 446,940; published Nov. 11, 1941. Class 39.

Cochran, Jacqueline, Roselle, N. J. Perfume. 393,186; Jan. 27; Serial No. 447,115; published Nov. 4, 1941. Class 6.

Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations, namely, lipstick, cream rouge and dry rouge. 393,187; Jan. 27; Serial No. 447,116; published Nov. 11, 1941. Class 6.

Cochran, Jacqueline, Roselle, N. J. Perfume. 393,188; Jan. 27; Serial No. 447,117; published Nov. 11, 1941. Class 6.

Cohen, Goldman & Co., Inc., New York, N. Y. Men's, boys' and children's outer garments; also men's overcoats and topcoats; also women's overcoats, topcoats, and suits, etc. 393,266; Jan. 27. Class 39.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces, bracelets, finger rings, earrings, jewelry clips, brooches, lockets, etc. 393,183; Jan. 27; Serial No. 447,094; published Nov. 18, 1941. Class 28.

Cooper, T. G., & Co., Inc., Philadelphia, Pa. Synthetic wax for industrial use. 393,142; Jan. 27; Serial No. 446,451; published Nov. 18, 1941. Class 1.

Cork Tip Products. (See Glauberman, Leonora.)

Coty, Francois J. de S., Sureanes, France, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet waters, and brilliantine including perfumes for face-powders, sachet-powders, etc. 146,717; renewed Sept. 20, 1941.

Coty, Francois J. de S., Suresnes, France, to Coty, Inc., New York, N. Y., successor. Perfumes and toilet waters. 146,719; renewed Sept. 20, 1941.

Coty, Francois J. de S., Suresnes, France, to Coty, Inc., New York, N. Y., succeessor. Perfumes, toilet waters, face-powders, sachet-powders, lotion for skin and hair, and brilliantine. 146,974; renewed Sept. 27, 1941.

Coty, Francois J. de S., Suresnes, France, to Coty, Inc., New York, N. Y., succeessor. Perfumes, toilet waters, and brilliantine. 146,975–9; renewed Sept. 27, 1941.

Coty, Francois J. de S., Suresnes, France, to Coty, Inc., New York, N. Y., succeessor. Perfumes, toilet waters, face-powders, sachet-powders, lotions for the skin and hair, and brilliantine. 146,980–1; renewed Sept. 27, 1941.

Crane, John F. (See Snow Flake Axle Grease Company, The, assignor.)

Crepe De Chine Incorporated, Wilkes-Barre, Pa. Hosiery. 343,152; Jan. 27; Serial No. 446,566; published Nov. 4, 1941. Class 39.

Crow, John S., doing business as Crow Chemical Co., Hot Springs, Ark. Foot disinfectant (prepared both powdered and liquid form). 393,189; Jan. 27; Serial No. 447,123; published Nov. 11, 1941. Class 6.

Damianos, John, Nassau, Bahama Islands, assignor to Algaclon Corporation, New York, N. Y. Skin lotion. 393,071; Jan. 27; Serial No. 443,921; published Nov. 18, 1941. Class 6.

Deering Milliken & Co., Inc. (See Garner Prints Works and Bleachery, assignor.)

Delatour, B., doing business as E. Delatour & Cie., and as B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R. Distilled brandy. 393,046; Jan. 27; Serial No. 440,235; published July 29, 1941. Class 49.

Delatour, Bastiere, doing business as B. Delatour & Cie., Bordeaux, France, and Ponce, P. R. Distilled alcoholic brandy. 393,098; Jan. 27; Serial No. 445,572; published Oct. 28, 1941. Class 49.

Delta Manufacturing Company, The, Milwaukee, Wis. Power tools for boring, sawing, shaping and surface finishing wood, metal, etc. 393,089; Jan. 27; Serial No. 445,043; published Nov. 18, 1941. Class 23.

Delta Manufacturing Company, The, Milwaukee, Wis. Electric motors and switch box covers. 393,095; Jan. 27; Serial No. 445,382; published Nov. 18, 1941. Class 21.

Dermetics, Inc., Seattle, Wash. Blend of oils for cleansing the skin, blend of oils for stimulating the nerves of the skin, etc. 393,213; Jan. 27; Serial No. 447,432; published Nov. 11, 1941. Class 6.

DeSanno, A. P., & Son, Inc., Phoenixville, Pa. Abrasive and grinding wheels. 393,093; Jan. 27; Serial No. 445,086; published Nov. 18, 1941. Class 4.

Drake Laboratories. (See Sun Ray Drug Company.)

Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y. Varnishes and paints in paste form. 393,110; Jan. 27; Serial No. 445,843; published Nov. 11, 1941. Class 16.

Earle, John D., doing business as Earle-Chesterfield Mill Co., Asheville, N. C. Mineral mixture consisting of manganese sulphate, iron oxide, sodium chloride, etc. 393,050; Jan. 27; Serial No. 439,590; published Nov. 11, 1941. Class 6.

Eastern Trading Co., New York, N. Y. Non-electrical hair curlers. 393,209; Jan. 27; Serial No. 446,752; published Nov. 18, 1941. Class 40.

Eberhardt-Simpson, Salina and Utica, and doing business as Jewell Elevator, Jewell, Kans. Stock and poultry feed. 393,101; Jan. 27; Serial No. 445,629; published Nov. 18, 1941. Class 46.

Edgcomb Steel Company, Philadelphia, Pa. Steel sheets, steel strips, steel bars, and steel coils. 393,127; Jan. 27; Serial No. 446,196; published Nov. 18, 1941. Class 14.

Ehlerding, Edward A., doing business as Thoro Products Co., Chicago, Ill. Preparation which polishes and cleans automobiles. 393,143; Jan. 27; Serial No. 446,491; published Nov. 18, 1941. Class 16.

Elmore Silver Company, Incorporated, The, Meriden, Conn. Sterling silver hollow ware and tableware. 393,158; Jan. 27; Serial No. 446,623; published Nov. 18, 1941. Class 28.

Elmo Sales Corporation, Philadelphia, Pa. Make up powder. 393,231; Jan. 27; Serial No. 447,285; published Nov. 4, 1941. Class 6.

Ensign Products Company, Cleveland, Ohio. Metal preserver for metal for removing rust or corrosion and stopping the action thereof, etc. 393,062; Jan. 27; Serial No. 442,693; published Nov. 4, 1941. Class 6.

Epco Chemical Co. (See Epstein, Louis.)

Epstein, Louis, doing business as Epco Chemical Co., Quincy, Mass. Chemical non-saponaceous cleaning compounds, for flushing automobile radiators, removing oil, grease or tar, etc. 393,200; Jan. 27; Serial No. 447,201; published Nov. 11, 1941. Class 6.

Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. 393,053; Jan. 27; Serial No. 441,533; published Nov. 18, 1941. Class 39.

Evers-Rehm Co., New York, N. Y. Non-alcoholic, maltless beverages and syrups for making the same. 149,916; renewed Dec. 27, 1941.

Fairchild Bros. & Foster, New York, N. Y. Restorative from bone marrow and blood. 393,221; Jan. 27; Serial No. 446,941; published Nov. 11, 1941. Class 6.

Fairchild Bros. & Foster, New York, N. Y. Artificially digested food or peptone from beef and wheat in fluid form. 393,222; Jan. 27; Serial No. 446,942; published Nov. 11, 1941. Class 6.

Fall River Curtain Co. Inc., Fall River, Mass., and New York, N. Y. Curtains and draperies. 393,177; Jan. 27; Serial No. 447,060; published Nov. 18, 1941. Class 42.

Federal Rubber Company, The, Cudahy, Wis., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Mats and matting wholly or partly of rubber. 149,049–50; renewed Dec. 6, 1941.

Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich. Plows, cultivators, harrows, mowers, tillers, middlebusters, ridgers, planters, etc. 393,026; Jan. 27; Serial No. 430,077; published Nov. 18, 1941. Class 23.

Finger Lakes Honey Producers Cooperative, Incorporated, Groton, N. Y. Honey. 393,261; Jan. 27. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Anti-freeze composition for automobile radiators. 393,248; Jan. 27; Serial No. 447,696; published Nov. 18, 1941. Class 6.

Fischer Bed Spring Company, Pittsburgh, Pa. Bed springs. 393,247; Jan. 27; Serial No. 447,699; published Nov. 18, 1941. Class 32.

Fischer Bed Spring Company, Pittsburgh, Pa. Bed springs. 393,249–50; Jan. 27; Serial Nos. 447,697–8; published Nov. 18, 1941. Class 32.

Frackville Manufacturing Company, New York, N. Y. Men's and boys' pajamas, nightshirts, and nightgowns. 393,094; Jan. 27; Serial No. 445,198; published Nov. 4, 1941. Class 39.

Franklin Simon & Co., Inc., New York, N. Y. Women's and misses' sport coats, suits, and jackets. 393,262; Jan. 27. Class 39.

Frost Cooked Foods, Inc., Boston, Mass. Refrigerated cabinets for the storage and display of frozen food products, etc. 393,048; Jan. 27; Serial No. 440,586; published Nov. 18, 1941. Class 31.

Garner Print Works and Bleachery, assignor, by mesne assignments, to Deering Milliken & Co., Inc., New York, N. Y. Cotton piece goods. 154,942; renewed May 16, 1942.

General Chemical Company, New York, N. Y. Preparation for cleaning painted surfaces, etc. 393,036; Jan. 27; Serial No. 436,887; published Dec. 24, 1940. Class 4.

General Chemical Company, New York, N. Y. Chemical preparation for use in removing accumulations of foreign matter from metal surfaces, etc. 393,065; Jan. 27; Serial No. 443,289; published Nov. 4, 1941. Class 6.

General Chemical Company, New York, N. Y. Compound for application to fruit trees and shrubs, preferably by spraying. 393,077; Jan. 27; Serial No. 444,405; published Nov. 18, 1941. Class 6.

Glauberman, Leonora, doing business as Cork Tip Products, New York, N. Y. Toilet water, face powder, talcum powder, dusting powder, tooth powder, etc. 393,122; Jan. 27; Serial No. 446,107; published Nov. 11, 1941. Class 6.

Glidden Company, The, Cleveland, Ohio. Soybean flour for making adhesives, plastics, paints, etc. 393,210; Jan. 27; Serial No. 446,801; published Nov. 18, 1941. Class 1.

Globe Knitting Works, Grand Rapids, Mich. Men's, women's, and children's fleeced one piece sleeping garments. 393,124; Jan. 27; Serial No. 446,135; published Nov. 18, 1941. Class 39.

Goldfarb, Samuel J., New York, N. Y. Ladies' slacks, dresses, and combined slack-dresses. 393,193; Jan. 27; Serial No. 447,132; published Nov. 11, 1941. Class 39.

Gorman, John F., doing business as Vitaminerals Co., Los Angeles, Calif. Broth powder made of vegetable concentrates and other ingredients. 393,059; Jan. 27; Serial No. 442,490; published Nov. 18, 1941. Class 46.

Grand-Pop Bottling Company. (See New York Mineral Water Company, assignor.)

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Olive oil. 152,801; renewed Mar. 7, 1942.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Dried dates and figs. 152,802; renewed Mar. 7, 1942.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Raisins. 154,557; renewed Apr. 18, 1942.

Great Atlantic Laboratories, Inc., Boston, Mass. Hair tonics. 393,075; Jan. 27; Serial No. 444,218; published Sept. 2, 1941. Class 6.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio. Staples adapted to be driven by suitable machines. 393,223; Jan. 27; Serial No. 447,233; published Nov. 18, 1941. Class 13.

Griffin, Harry M., Peekskill, to Harry M. Griffin, Katonah, N. Y. Headache and neuralgia remedy. 149,934; renewed Dec. 27, 1941.

Griffith Laboratories, Inc., The, Chicago, Ill. Powdered composition for coloring sausage and meat products. 393,088; Jan. 27; Serial No. 444,967; published Nov. 11, 1941. Class 6.

Grossman, I., & Son, Inc., New York, N. Y. Ladies' and misses' coats, suits, skirts, jackets, capes, and coat and suit ensembles. 393,211; Jan. 27; Serial No. 446,802; published Nov. 18, 1941. Class 39.

Haft, Morris W., & Bros., Inc., New York, N. Y. Women's and misses' suits and coats. 393,113; Jan. 27; Serial No. 445,937; published Nov. 4, 1941. Class 39.

Haggar Company, Dallas, Tex. Men's and boys' trousers, riding breeches, sport shirts, slack suits, etc. 393,259; Jan. 27. Class 39.

Harris, George, doing business as George Harris & Son, Calgary, Alberta, Canada. Medicine recommended as a stimulant to the appetite. 393,070; Jan. 27; Serial No. 443,828; published Nov. 11, 1941. Class 6.

Hart, H. Gilbert, & Co., assignor, by mesne assignments, to Hart & Crouse Corporation, Utica, N. Y. Heating furnaces. 20,363; re-renewed Nov. 10, 1941.

Hat Corporation of America, Norwalk, Conn. Hats for men. 393,178; Jan. 27; Serial No. 447,067; published Nov. 18, 1941. Class 39.

Hazleton Baking Co., Hazleton, Pa., assignor to Hazleton Bakeries Inc., Binghamton, N. Y., and Hazleton and Norristown, Pa. Bread and rolls. 155,443; renewed May 30, 1942.

Hearst Magazines Inc., New York, N. Y. Phonograph records. 393,161; Jan. 27; Serial No. 446,654; published Nov. 18, 1941. Class 36.

Heilman, G., Brewing Co., La Crosse, Wis. Beer. 393,030; Jan. 27; Serial No. 434,832; published Nov. 18, 1941. Class 48.

Hematological Research Laboratory. (See Steinberg, Arthur.)

Herbert Manufacturing Company, St. Paul, Minn. Coats and overcoats. 393,090; Jan. 27; Serial No. 445,056; published Nov. 4, 1941. Class 39.

Hermes S. A., Paris, France. Perfumes, toilet waters, eau de cologne, etc. 393,024; Jan. 27; Serial No. 423,421; published May 21, 1940. Class 6.

Hoberg, John, Co., The, assignor to Hoberg Paper Mills Inc., Green Bay, Wis. Toilet paper, paper napkins, paper towels, and wrapping paper. 154,971; renewed May 16, 1942.

Hoffmann-La Roche, Inc., Nutley, N. J. Synthetic vitamin K like substance. 393,117; Jan. 27; Serial No. 445,986; published Nov. 4, 1941. Class 6.

Holywood Dress Shoppe. (See Solnick, Ben R.)

Holyoke Heater Company, Holyoke, Mass. Gas burners, gas water heaters, gas room heaters, and gas ranges. 393,184; Jan. 27; Serial No. 447,103; published Nov. 18, 1941. Class 34.

Hortex Manufacturing Company, El Paso, Tex. Boys' sport suits, pants, shirts, jackets, and overalls. 393,064; Jan. 27; Serial No. 443,192; published Nov. 18, 1941. Class 39.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. 393,194; Jan. 27; Serial No. 447,136; published Nov. 4, 1941. Class 6.

Huffman, M. R., doing business as Penrose Hosiery Company, Philadelphia, Pa. Ladies' hosiery. 393,141; Jan. 27; Serial No. 446,429; published Nov. 4, 1941. Class 39.

Hutmacher Braiding Company, Paterson, N. J. Shoe laces. 151,813; renewed Feb. 14, 1942.

Inclinator Company of America, Harrisburg, Pa. Electric lifts, incline elevator for stairs. 393,263; Jan. 27. Class 21.

International Badger Corp., New York, N. Y. Badger hair. 393,099; Jan. 27; Serial No. 445,580; published Nov. 18, 1941. Class 1.

International Vitamin Corp., New York, N. Y., assignor to American Home Products Corporation, Jersey City, N. J. Vitamin and mineral preparations used in medicine and pharmacy. 393,121; Jan. 27; Serial No. 446,050; published Nov. 11, 1941. Class 6.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded plastic tubing for electrical insulation. 393,129; Jan. 27; Serial No. 446,235; published Nov. 18, 1941. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Varnished tubing for electrical insulation. 393,130; Jan. 27; Serial No. 446,236; published Nov. 18, 1941. Class 21.

J. K. Laboratories. (See Purity Drug Co.)

Jacobi, Martin, Inc., Buffalo, N. Y. Men's outer shirts. 393,144; Jan. 27; Serial No. 446,500; published Nov. 4, 1941. Class 39.

Jaxton Clothes Company, Inc., New York, N. Y. Men's and students' suits and coats, suit and slack ensembles, sport coats and slacks. 393,159; Jan. 27; Serial No. 446,628; published Oct. 28, 1941. Class 39.

Jebaily, James, Inc., New York, N. Y. Negligees, house coats, pajamas, and nightgowns. 393,096; Jan. 27; Serial No. 445,466; published Nov. 4, 1941. Class 39.

Jewell Elevator. (See Eberhardt-Simpson.)

Johnson, Mary, doing business as War-jon Products Company, Brooklyn, N. Y. Lotion for external application. 393,245; Jan. 27; Serial No. 447,545; published Nov. 18, 1941. Class 6.

Kallman, L. R., doing business as L. R. Kallman & Company, Chicago, Ill. Cosmetic preparation containing digallic acid, alcohol, and other ingredients. 393,148; Jan. 27; Serial No. 446,522; published Nov. 11, 1941. Class 6.

Kalogerakis, Lukas, Asheville, N. C. Ointment for hemorrhoids, cuts, etc. 393,150; Jan. 27; Serial No. 446,547; published Nov. 11, 1941. Class 6.

Kaufmann and Co., Inc., also doing business as Cavalier Hat Company, Richmond, Va. Children's, misses' and women's hats. 393,153; Jan. 27; Serial No. 446,577; published Nov. 11, 1941. Class 39.

Kendall Company, The, Walpole, Mass. Woven cotton fabrics sold both in the piece and in the bolt. 393,179; Jan. 27; Serial No. 447,068; published Nov. 18, 1941. Class 42.

Keystone Lubricating Company, Philadelphia, Pa. Lubricants consisting of oils and greases. 154,987; renewed May 16, 1942.

Kinghill Laboratories. (See Koenigsberger, Franz.)

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 393,023; Jan. 27; Serial No. 398,247; published Nov. 18, 1941. Class 40.

Koenigsberger, Franz, doing business as Kinghill Laboratories, New York, N. Y. Toilet water, eau de cologne, perfumes, sachets, etc. 393,237; Jan. 27; Serial No. 447,337; published Nov. 4, 1941. Class 6.

Kohl, Otto A., doing business as Chick Bed Company, Cedar Rapids, Iowa. Diatomaceous earth for use as surface covering in poultry yards. 393,216; Jan. 27; Serial No. 446,880; published Nov. 18, 1941. Class 1.

Krupp, Fried., Aktiengesellschaft, Essen, Germany. Soldering fluxes, fluid compounds, and pastes. 393,040; Jan. 27; Serial No. 438,305; published Nov. 11, 1941. Class 6.

Krupp, Fried., Aktiengesellschaft, Essen, Germany. Artificial limbs, eyes, teeth, etc. 393,041; Jan. 27; Serial No. 438,307; published Nov. 18, 1941. Class 44.

Lakeside Laboratories, Inc., The, Milwaukee, Wis. Tablets to be used in the treatment of simple headache, head colds, neuralgia, etc. 393,173; Jan. 27; Serial No. 447,022; published Nov. 11, 1941. Class 6.

Lang, Henry J., doing business as All-Foods Distributing Co., Chicago, Ill. Food products—namely, cookies, fruit preserves, potato chips, etc. 393,252; Jan. 27. Class 46.

Larson, M., Company, Chicago, Ill. Dental alloys, cement, solder, etc. 393,043; Jan. 27; Serial No. 439,163; published Nov. 18, 1941. Class 44.

Lavelle Rubber Company, Chicago, Ill. Tank balls. 393,244; Jan. 27; Serial No. 447,443; published Nov. 18, 1941. Class 13.

Lebow Brothers, Baltimore, Md. Men's suits, topcoats, and overcoats. 393,069; Jan. 27; Serial No. 443,660; published Nov. 18, 1941. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Cologne. 393,246; Jan. 27; Serial No. 447,570; published Nov. 18, 1941. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 393,163; Jan. 27; Serial No. 446,949; published Nov. 11, 1941. Class 6.

Le Tourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Welding rods. 393,118; Jan. 27; Serial No. 445,992; published Nov. 18, 1941. Class 14.

Lincoln-Schlueter Floor Machinery Company, Inc., Chicago, Ill. Floor treating machines, and pads, pad holders, brushes, and brush holders. 393,251; Jan. 27. Class 23.

Lindsey, Maud H. C., Fresno, Calif. Deodorant to eliminate unpleasant body odor. 393,119; Jan. 27; Serial No. 445,993; published Nov. 11, 1941. Class 6.

Linsenmeyer, Robert N., Robertson, Mo. Blank checks and blank books of checks sold as such. 393,091; Jan. 27; Serial No. 445,062; published Nov. 18, 1941. Class 37.

Lion Ribbon Company, New York, N. Y. Cellophane wrapping papers. 393,125; Jan. 27; Serial No. 446,166; published Nov. 18, 1941. Class 37.

Lipski, Max, doing business as The Louisville Cycle and Supply Company, Louisville, Ky. Bicycles and tricycles. 393,108; Jan. 27; Serial No. 445,815; published Nov. 18, 1941. Class 19.

Liverpool Adhesive Paste Co. Ltd., Liverpool, England. Paste, being an adhesive article. 147,633; renewed Oct. 25, 1941.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. 393,267; Jan. 27. Class 1.

Louise, Audrey, Inc., New York, N. Y. Perfumes and toilet water. 393,137–8; Jan. 27; Serial Nos. 446,347–8; published Nov. 11, 1941. Class 6.

Louisville Cycle and Supply Company, The. (See Lipski, Max.)

Lowe Brothers Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Varnishes. 154,316; renewed Apr. 11, 1942.

Lowe Brothers Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Substitute of prepared shellac. 155,000; renewed May 16, 1942.

M. & M. Engineering Company, Grosse Pointe, Mich. Heating apparatus—namely, solid and fluid fuel space heaters, etc. 393,056; Jan. 27; Serial No. 441,826; published Nov. 18, 1941. Class 34.

Mallinckrodt Chemical Works, St. Louis, Mo. Substituted oxazolediones and salts thereof. 393,106; Jan. 27; Serial No. 445,776; published Nov. 11, 1941. Class 6.

Manchin, Ernest, Swampscott, Mass. Name plates and number plates. 393,170; Jan. 27; Serial No. 446,999; published Nov. 18, 1941. Class 13.

Marchand, Charles, Company, New York, N. Y. Peroxide of hydrogen and hair preparations. 393,114; Jan. 27; Serial No. 445,949; published Nov. 4, 1941. Class 6.

Marshall Field & Company, Chicago, Ill. Lace curtains. 393,112; Jan. 27; Serial No. 445,927; published Nov. 18, 1941. Class 42.

Marshall Field & Company, Chicago, Ill. Lace curtains. 393,190; Jan. 27; Serial No. 447,126; published Nov. 18, 1941. Class 42.

Massimino, Peter, Mamaroneck, N. Y. Preparation to check falling hair, dandruff, and itchy scalp. 393,072; Jan. 27; Serial No. 443,945; published Nov. 11, 1941. Class 6.

Mayer, Oscar, & Company, Inc., Chicago, Ill. Meat products—namely, pork sausage. 393,039; Jan. 27; Serial No. 437,828; published Nov. 18, 1941. Class 46.

McKesson & Robbins, Inc., New York, N. Y. Preparation for the treatment of pediculosis. 393,103–5; Jan. 27; Serial Nos. 445,744–6; published Nov. 11, 1941. Class 6.

Medicone Company, New York, N. Y. Healing ointment, vaginal douche, pile and hemorrhoidal preparation, etc. 393,085; Jan. 27; Serial No. 444,737; published Nov. 11, 1941. Class 6.

Mercury Corporation, The, Kansas City, Mo. Combination battery charging and testing apparatus. 393,234; Jan. 27; Serial No. 447,310; published Nov. 18, 1941. Class 26.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Enteric coated tablets for treatment of heart conditions. 393,109; Jan. 27; Serial No. 445,819; published Nov. 11, 1941. Class 6.

Middleton, John, Inc., Philadelphia, Pa. Package containing three tins of tobacco, and a pipe and pipe cleaners. 393,078; Jan. 27; Serial No. 444,410; published Nov. 18, 1941. Class 50.

Mil-K-Botl Corporation of America, The, St. Louis, Mo. Non-alcoholic, maltless beverages, and extracts and concentrates for making such beverages. 393,032; Jan. 27; Serial No. 435,661; published Nov. 18, 1941. Class 45.

Millburn Mills, Inc., New York, N. Y. Chimney Christmas stocking to contain gifts. 393,033; Jan. 27; Serial No. 435,250; published Nov. 18, 1941. Class 22.

Mitchell-Bissell Company, New York, N. Y., to Mitchell-Bissell Company, Trenton, N. J. Thread guides for textile machinery. 155,259–60; renewed May 23, 1942.

Modoc Orchard Company, Medford, Oreg. Fresh pears. 393,154; Jan. 27; Serial No. 446,582; published Nov. 18, 1941. Class 46.

Monteil, Germaine, Cosmetiques Corporation, New York, N. Y. Perfumes. 393,191–2; Jan. 27; Serial Nos. 447,130–31; published Nov. 11, 1941. Class 6.

Morgan, John H., New York, N. Y. Liniment preparation for rheumatism and neuralgia. 393,079; Jan. 27; Serial No. 444,465; published Nov. 11, 1941. Class 6.

National Tool Company, The, Cleveland, Ohio. Milling cutters, reamers, counterbores, etc. 155,024; renewed May 16, 1942.

National Wax Company, Chicago, Ill. Compounded petroleum wax. 393,164; Jan. 27; Serial No. 446,952; published Nov. 18, 1941. Class 1.

National Wax Company, Chicago, Ill. Wax composition suitable for use in the preservation of logs and other forestry products. 393,165; Jan. 27; Serial No. 446,953; published Nov. 11, 1941. Class 6.

National Wax Company, Chicago, Ill. Wax composition suitable for use in preserving plant life or in plant grafting. 393,166; Jan. 27; Serial No. 446,954; published Nov. 11, 1941. Class 6.

Neville Company, The, Pittsburgh and Neville Island, Pittsburgh, Pa. Synthetic terpene polymer resin. 393,134; Jan. 27; Serial No. 446,300; published Nov. 18, 1941. Class 1.

Neville Company, The, Pittsburgh and Neville Island, Pittsburgh, Pa. Synthetic terpene copolymer resin. 393,145; Jan. 27; Serial No. 446,504; published Nov. 18, 1941. Class 1.

New Jersey Zinc Company, The, Newark and Franklin, N. J., to The New Jersey Zinc Company, New York, N. Y. Lithopone. 155,026; renewed May 16, 1942.

New York Mineral Water Company, assignor, by mesne assignments, to Grand-Pop Bottling Company, Cincinnati, Ohio. Mineral waters and certain named soft drinks. 155,268; renewed May 23, 1942.

New York Quebracho Extract Company (now by change of name The Tannin Corporation), New York, N. Y., by change of name to The Tannin Corporation. Tanning extracts. 155,497; renewed May 30, 1942.

Nielco Chemical Company. (See Nielsen, Claudius.)

Nielsen, Claudius, doing business as Nielco Chemical Company, Detroit, Mich. Ointments for the treating of skin infections. 393,212; Jan. 27; Serial No. 446,808; published Nov. 18, 1941. Class 6.

Non-Mercuric Carrot Company, The Danbury, Conn. Chemical solution for the treatment of fur. 393,235; Jan. 27; Serial No. 447,311; published Nov. 18, 1941. Class 6.

Northern Oats Company, Minneapolis, Minn. Rolled oats. 393,174; Jan. 27; Serial No. 447,029; published Nov. 18, 1941. Class 46.

Northrup, King & Co., Minneapolis, Minn. Seed corn. 393,162; Jan. 27; Serial No. 446,662; published Nov. 18, 1941. Class 1.

Northwestern Chemical Company, The, Wauwatosa, Wis. Chemicals. 155,498; renewed May 30, 1942.

O'Keefe Brothers, Jacksonville, Tex. Fresh vegetables—namely, tomatoes. 393,265; Jan. 27. Class 46.

Owens-Illinois Glass Company, Toledo, Ohio. Caps or closures for containers. 393,120; Jan. 27; Serial No. 446,004; published Nov. 18, 1941. Class 50.

Palinkos, Stephen J., South Norwalk, Conn. Men's hats, outer shirts, and neckties. 393,131; Jan. 27; Serial No. 446,239; published Nov. 18, 1941. Class 39.

Park & Pollard Co. Inc., The, Buffalo, N. Y. Dog food. 393,195; Jan. 27; Serial No. 447,145; published Nov. 18, 1941. Class 46.

Parke, Davis & Company, Detroit, Mich. Preparation for treatment of burns. 393,224; Jan. 27; Serial No. 447,249; published Nov. 11, 1941. Class 6.

Parker Pen Company, The, to The Parker Pen Company, Janesville, Wis. Fountain pens. 155,044; renewed May 16, 1942.

Parnes, Samuel R., Company, New York, N. Y. Ladies' and misses' dresses, coats and suits. 393,254; Jan. 27. Class 39.

Parsons-Faulkner Company, The, Ashland, Ky. Ladies' lingerie—namely, vests, and negligees, hosiery, slips, panties, etc. 393,025; Jan. 27; Serial No. 429,866; published Nov. 18, 1941. Class 39.

Penn Supply and Metal Corporation, Philadelphia, Pa. Insulated siding, cornice work, roofing ternes, and siding. 393,268; Jan. 27. Class 12.

Penrose Hosiery Company. (See Huffman, M. R.)

Petrolagar Laboratories, Inc., assignor to Petrolagar Laboratories, Inc., Chicago, Ill. Aqueous suspension of mineral oil for the treatment of constipation. 393,203; Jan. 27; Serial No. 446,664; published Nov. 11, 1941. Class 6.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Fungicidal preparations for the alleviation, and for controlling the spread of the epidermal phytons. 393,214; Jan. 27; Serial No. 446,843; published Nov. 4, 1941. Class 6.

Phillips-Jones Corporation, New York, N. Y. Men's outer shirts. 393,168; Jan. 27; Serial No. 446,977; published Nov. 11, 1941. Class 39.

"Pierett, Toni" Makeup Co., New York, N. Y. Face creams and toilet waters. 393,086; Jan. 27; Serial No. 444,777; published Nov. 11, 1941. Class 6.

Pinaud, Incorporated, New York, N. Y. Eau de cologne. 393,084; Jan. 27; Serial No. 444,715; published Nov. 11, 1941. Class 6.

Pine Island Smoked Cheese Company, Pine Island, Minn. Smoked cheese. 393,258; Jan. 27. Class 46.

Plastic Die and Tool Corporation, Los Angeles, Calif. Non-electrical advertising signs made of plastic material. 393,082; Jan. 27; Serial No. 444,608; published Nov. 18, 1941. Class 50.

Pomette Dress Corporation, New York, N. Y. Ladies', misses' and junior dresses. 393,256; Jan. 27. Class 39.

Pond's Extract Company, New York, N. Y. Lipsticks. 393,068; Jan. 27; Serial No. 443,516; published Nov. 11, 1941. Class 6.

Pontiac Dresses Inc., New York, N. Y. Ladies' and misses' and womens' dresses and dress ensembles. 393,255; Jan. 27. Class 39.

Poor & Company, Chicago, Ill. Chemical materials and compositions for coating metal surfaces, etc. 393,054; Jan. 27; Serial No. 441,746; published May 13, 1941. Class 6.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation of vitamin B complex in the form of an elixer, capsules, tablets, and syrup. 393,128; Jan. 27; Serial No. 446,217; published Nov. 11, 1941. Class 6.

Proesel, Peter A., Chicago, Ill. House trailers. 393,083; Jan. 27; Serial No. 444,610; published Nov. 18, 1941. Class 19.

Protein Products Co., Chicago, Ill. Foaming agent for use in foods, confections, and bakery goods. 393,066; Jan. 27; Serial No. 443,343; published Nov. 18, 1941. Class 46.

Purity Drug Co., Inc., also doing business as J. K. Laboratories, New York, N. Y. Medicinal preparation in the form of candy, chewing gum, drops, etc. 393,051; Jan. 27; Serial No. 432,987; published Nov. 11, 1941. Class 6.

Real Cream Incorporated, San Francisco, Calif., now by change of name, Avoset Incorporated. Cream containing a vegetable stabilizer. 393,146–7; Jan. 27; Serial Nos. 446,506–7; published Nov. 18, 1941. Class 46.

Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel adapted for coating finger nails, lipsticks, rouge. 393,198; Jan. 27; Serial No. 447,192; published Nov. 4, 1941. Class 6.

Ricke, Sidney C., Mission, Tex. Fresh citrus and deciduous fruits and vegetables. 393,257; Jan. 27. Class 46.

Rivoli Corset Company, Inc., New York, N. Y. Corsets. 393,115; Jan. 27; Serial No. 445,959; published Nov. 11, 1941. Class 39.

Rob Roy Company, New York, N. Y. Outer shirts. 393,149; Jan. 27; Serial No. 446,529; published Nov. 4, 1941. Class 39.

Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Cigarettes and smoking tobacco. 393,175; Jan. 27; Serial No. 447,048; published Nov. 18, 1941. Class 17.

Rocke International Electric Corp., New York, N. Y. Radio receiving and radio transmitting tubes, fluorescent light tubes or lamps. 393,232; Jan. 27; Serial No. 447,294; published Nov. 18, 1941. Class 21.

Rogers Pest Company, New York, N. Y. Suits, overcoats, hose, etc. 393,092; Jan. 27; Serial No. 445,067; published Nov. 4, 1941. Class 39.

Rohrbacher, C. V., Los Angeles, Calif. Fresh vegetables. 393,037; Jan. 27; Serial No. 437,147; published Jan. 14, 1941. Class 46.

Ross, Sydney, Co., The, Newark, N. J. Anti-rheumatic, analgesic and anti-pyretic preparation. 393,135; Jan. 27; Serial No. 446,338; published Nov. 11, 1941. Class 6.

Roux Distributing Co., New York, N. Y. Wave setting lotion for the hair. 393,132; Jan. 27; Serial No. 446,244; published Nov. 11, 1941. Class 6.

Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 393,160; Jan. 27; Serial No. 446,635; published Nov. 18, 1941. Class 23.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables—namely, fresh lettuce. 393,155; Jan. 27; Serial No. 446,595; published Nov. 18, 1941. Class 46.

Saravullo, Ralph, Elmira, N. Y. Windshield defrosting fluid. 393,241; Jan. 27; Serial No. 447,380; published Nov. 18, 1941. Class 4.

Schaad, Carl E., doing business as Chemical Manufacturing and Distributing Company, Easton, Pa. Soap powders, liquid soap, scouring powders, etc. 393,042; Jan. 27; Serial No. 439,042; published Nov. 18, 1941. Class 4.

Schering Corporation, Bloomfield, N. J. Preparation for internal use for facilitating the taking of X-ray pictures. 393,227; Jan. 27; Serial No. 447,273; published Nov. 18, 1941. Class 6.

Schleifer & Lubell, Inc., New York, N. Y. Women's, misses', and girls' dresses, blouses, skirts, jackets, pinafores, and playsuits. 393,213; Jan. 27; Serial No. 446,815; published Nov. 18, 1941. Class 39.

Scott, O. M., and Sons Company, Marysville, Ohio. Grass seed. 393,185; Jan. 27; Serial No. 447,108; published Nov. 18, 1941. Class 1.

Sears, Roebuck and Co., Chicago, Ill. Motor lubricating oil. 393,116; Jan. 27; Serial No. 445,962; published Nov. 18, 1941. Class 15.

Sears, Roebuck and Co., Chicago, Ill. Hosiery. 393,253; Jan. 27. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Paintbrushes. 393,260; Jan. 27. Class 29.

Select Cosmetics Co., Chicago, Ill. Body deodorant. 393,045; Jan. 27; Serial No. 439,978; published Nov. 11, 1941. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for treatment of conditions resulting from metabolic deficiencies, etc. 393,180; Jan. 27; Serial No. 447,078; published Nov. 11, 1941. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations containing alpha tocopherol or vitamin E and preparations having properties and uses similar to alpha tocopherol or vitamin E, etc. 393,199; Jan. 27; Serial No. 447,194; published Nov. 11, 1941. Class 6.

Shipman & Baker, Inc., New York, N. Y. Women's coats, suits, and skirts. 393,204; Jan. 27; Serial No. 446,668; published Oct. 28, 1941. Class 39.

Slater, Robert C., Jacksonville, Fla. Insecticides, nicotine, and salts of nicotine, etc. 393,060; Jan. 27; Serial No. 442,572; published Nov. 18, 1941. Class 6.

Snow Flake Axle Grease Company, The, assignor to John F. Crane, doing business as Snow Flake Axle Grease Co., Boston, Mass. Axle grease and other lubricating oils and greases. 155,088; renewed May 16, 1942.

Sociedad Anonima Vinedos y Bodegas Arizu, Buenos Aires, Argentina. Nonalcoholic, maltless beverages, and fruit concentrates, syrups and extracts for beverage purposes. 393,047; Jan. 27; Serial No. 440,429; published Nov. 18, 1941. Class 45.

Solnick, Ben R., doing business as Hollywood Dress Shoppe, Amarillo, Tex. Ladies' dresses. 393,031; Jan. 27; Serial No. 435,148; published Nov. 4, 1941. Class 39.

South Tamworth Industries, Inc., South Tamworth, N. H. Cribs, youths' beds and chests of drawers. 393,058; Jan. 27; Serial No. 442,373; published Nov. 18, 1941. Class 32.

Southern Cotton Oil Company, The, New Orleans, La. Special shortening made of all-hydrogenated vegetable oils. 393,097; Jan. 27; Serial No. 445,536; published Nov. 18, 1941. Class 46.

Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instruments. 393,228; Jan. 27; Serial No. 447,277; published Nov. 18, 1941. Class 26.

Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well drilling apparatus. 393,229–30; Jan. 27; Serial Nos. 447,278–9; published Nov. 18, 1941. Class 23.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 393,167; Jan. 27; Serial No. 446,956; published Nov. 4, 1941. Class 6.

Stacy-Adams Company, Brockton, Mass. Boots and shoes. 150,119; renewed Dec. 27, 1941.

Stanco Incorporated. (See Standard Oil Company, assignor.)

Standard Oil Company, Bayonne, N. J., and New York, assignor to Stanco Incorporated, New York, N. Y. Light naphtha especially adapted for solvent purposes. 149,248; renewed Dec. 6, 1941.

Standard Oil Company, Bayonne, N. J., and New York, assignor to Stanco Incorporated, New York, N. Y. White mineral oil. 149,249; renewed Dec. 6, 1941.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Compounding agents for stabilizing lubricants. 393,156; Jan. 27; Serial No. 446,600; published Nov. 11, 1941. Class 6.

Standard Oil Company of New Jersey, Wilmington, Del. Saving banks. 393,181; Jan. 27; Serial No. 447,079; published Nov. 18, 1941. Class 26.

Stanley Works, The, New Britain, Conn. Builders' and other hardware. 152,513; renewed Feb. 28, 1942.

Star Expansion Bolt Company, New York, N. Y. Form ties for concrete forms and wedges, spools, and washers for form ties. 393,102; Jan. 27; Serial No. 445,672; published Nov. 18, 1941. Class 23.

Stein, A., & Company, Chicago, Ill. Rubber sheeting. 153,012; renewed Mar. 7, 1942.

Steinberg, Arthur, doing business as Hematological Research Laboratory, Philadelphia, Pa., assignor to Chatham Pharmaceuticals, Inc., formerly John A. Millar Company, Inc., Newark, N. J. Hemostatic preparations. 393,080; Jan. 27; Serial No. 444,514; published Nov. 11, 1941. Class 6.

Sun Company, Philadelphia, Pa., by change of name, to Sun Oil Company. Oils and waxes. 153,013; renewed Mar. 7, 1942.

Sun Ray Drug Company, doing business as Drake Laboratories, Philadelphia, Pa. Deodorant cream, powder, and liquid. 393,196; Jan. 27; Serial No. 447,170; published Nov. 18, 1941. Class 6.

Tannin Corporation, The. (See New York Quebracho Extract Company.)

Thoro Products Co. (See Ehlerding, Edward A.)

Timely Sportswear Co., New York, N. Y. Men's, women's, boys', and girls' vests. 393,139; Jan. 27; Serial No. 446,376; published Oct. 28, 1941. Class 39.

Tonk Mfg. Co., Chicago, Ill. Piano-benches. 150,142; renewed Dec. 27, 1941.

Traina-Norell, Inc., New York, N. Y. Ladies' dresses, coats, jackets, playsuits, and blouse and slack sets. 393,111; Jan. 27; Serial No. 445,865; published Nov. 18, 1941. Class 39.

Tri-State Milling Co., Belle Fourche, to Tri-State Milling Co., Rapid City, S. Dak. Wheat flour. 153,030; renewed Mar. 7, 1942.

Uddo Taormina Corp., Brooklyn and New York, N. Y. Canned peas. 393,073; Jan. 27; Serial No. 443,963; published Nov. 18, 1941. Class 46.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Hand operated slotted device for winding threads or cords intended for simultaneously producing a series of pompons or tassels. 393,067; Jan. 27; Serial No. 443,439; published Nov. 18, 1941. Class 40.

Union Fork & Hoe Company, The, Columbus, Ohio. Hand-operated tools—namely, axes, cultivators, cutters, lettuce cutters, etc. 393,201; Jan. 27; Serial No. 447,219; published Nov. 18, 1941. Class 23.

United Cigar-Whelan Stores Corporation, New York, N. Y. Nasal drops. 393,049; Jan. 27; Serial No. 439,501; published July 1, 1941. Class 6.

United States Rubber Company, New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Golf-balls. 149,273; renewed Dec. 6, 1941.

United States Rubber Company, New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Golf-balls. 149,533; renewed Dec. 13, 1941.

United States Rubber Company. (See Federal Rubber Company, The, assignor.)

Vagim, James G., doing business as Vagim Packing Co., Fresno, Calif. Dried fruits. 393,157; Jan. 27; Serial No. 446,603; published Nov. 18, 1941. Class 46.

Valentine Laboratories, Inc., Chicago, Ill. Shampoo. 393,169; Jan. 27; Serial No. 446,981; published Nov. 4, 1941. Class 6.

Vitamin Service Co., Phoenixville, Pa. Vitamin capsules. 393,171; Jan. 27; Serial No. 447,008; published Nov. 11, 1941. Class 6.

Vitaminerals Co. (See Gorman, John F.)

Vogue Girl Coats, Inc., New York, N. Y. Ladies', misses', and children's coats. 393,238; Jan. 27; Serial No. 447,252; published Nov. 18, 1941. Class 39.

Volpi Chewing Candy Company, New York, N. Y. Candies. 393,242; Jan. 27; Serial No. 447,383; published Nov. 18, 1941. Class 46.

Vy Lactos Laboratories, Inc., Des Moines, Iowa. Combination of dried molasses and corn oil cake meal used as an admixture to poultry and livestock feeds. 393,027; Jan. 27; Serial No. 430,887; published Nov. 18, 1941. Class 46.

W. & H. Jewelry Company, Inc., Providence, R. I. Bracelets, watch bracelets, watch chains, finger rings, earrings, brooches, etc. 393,038; Jan. 27; Serial No. 437,585; published Nov. 18, 1941. Class 28.

War-jon Products Company. (See Johnson, Mary.)

"Ware, Peggy," Children's Dress Co. Inc., New York, N. Y., by change of name to "Peggy Ware," Inc. Dresses. 154,657; renewed May 16, 1942.

Warshauer, Benjamin, Stockton, Calif. Shoes of leather, rubber, or fabric, or combination of said materials. 393,136; Jan. 27; Serial No. 446,341; published Nov. 18, 1941. Class 39.

Waters, Norman D., & Associates, Inc., New York, N. Y. Sweaters. 393,225; Jan. 27; Serial No. 447,262; published Nov. 18, 1941. Class 39.

Webb, Samuel E., doing business as Beverages of America Bottling Company, Philadelphia, Pa. Nonalcoholic, maltless beverages and products for use in making the same. 393,076; Jan. 27; Serial No. 444,365; published Nov. 18, 1941. Class 45.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric lamps used as concentrators. 393,061; Jan. 27; Serial No. 442,617; published Nov. 18, 1941. Class 21.

White Laboratories, Inc., Newark, N. J. Vitamin preparations. 393,182; Jan. 27; Serial No. 447,085; published Nov. 4, 1941. Class 6.

Wickwire Spencer Steel Corporation, Worcester, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Wire cloth, wire netting, and wire fabric, welded screen, and other wire products. 152,548; renewed Feb. 28, 1942.

Wismar Mfg. Co., Los Angeles, Calif. Sport shirts, swim and play trunks, slacks, jackets, etc. 393,217; Jan. 27; Serial No. 446,901; published Nov. 4, 1941. Class 39.

Wood & Hyde Company, Gloversville, N. Y. Leather. 393,218; Jan. 27; Serial No. 446,902; published Nov. 18, 1941. Class 1.

Wooten, J. J., White, Ark. Preparation beneficial for indigestion and gastric stomach ailments. 393,133; Jan. 27; Serial No. 446,256; published Nov. 11, 1941. Class 6.

Wulcrest Knitwear Co., New York, N. Y. Men's and boys' knitted and woven sweaters and sports jackets and hosiery. 393,035; Jan. 27; Serial No. 435,824; published Nov. 18, 1941. Class 39.

Wunderlich, Carl F., doing business as C. F. Wunderlich Co., New York, N. Y. Hair tonic. 393,028; Jan. 27; Serial No. 433,686; published Nov. 18, 1941. Class 6.

Zingler, Paul, Brooklyn, N. Y. Sulphur. 393,172; Jan. 27; Serial No. 447,010; published Nov. 11, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cotton batting or cotton batts. Lockport Cotton Batting Co. 393,267; Jan. 27.

Earth for use as surface covering in poultry yards, Diatomaceous. O. A. Kohl. 393,216; Jan. 27; Serial No. 446,880; published Nov. 18, 1941.

Hair, Badger. International Badger Corp. 393,099; Jan. 27; Serial No. 445,580; published Nov. 18, 1941.

Leather. Wood & Hyde Company. 393,218; Jan. 27; Serial No. 446,902; published Nov. 18, 1941.

Resin, Synthetic terpene copolymer. Neville Company. 393,145; Jan. 27; Serial No. 446,504; published Nov. 18, 1941.

Resin, Synthetic terpene polymer. Neville Company. 393,134; Jan. 27; Serial No. 446,300; published Nov. 18, 1941.

Seed corn. Northrup, King & Co. 393,162; Jan. 27; Serial No. 446,662; published Nov. 18, 1941.

Seed, Grass. O. M. Scott and Sons Company. 393,185; Jan. 27; Serial No. 447,108; published Nov. 18, 1941.

Soybean flour for making adhesives, plastics, paints, etc. Glidden Company. 393,210; Jan. 27; Serial No. 446,801; published Nov. 18, 1941.

Wax, Compounded petroleum. National Wax Company. 393,164; Jan. 27; Serial No. 446,952; published Nov. 18, 1941.

Wax for industrial use, Synthetic. T. G. Cooper & Co. 393,142; Jan. 27; Serial No. 446,451; published Nov. 18, 1941.

CLASS 4

Abrasive and grinding wheels. A. P. DeSanno & Son, Inc. 393,093; Jan. 27; Serial No. 445,086; published Nov. 18, 1941.

Defrosting fluid, Windshield. R. Saravullo. 393,241; Jan. 27; Serial No. 447,380; published Nov. 18, 1941.

Preparation for cleaning painted surfaces, etc. General Chemical Company. 393,036; Jan. 27; Serial No. 436,887; published Dec. 24, 1940.

Soap powders, liquid soap, scouring powders, etc. C. E. Schaad. 393,042; Jan. 27; Serial No. 439,042; published Nov. 18, 1941.

CLASS 5

Paste. Liverpool Adhesive Paste Co. Ltd. 147,633; renewed Oct. 25, 1941.

CLASS 6

Anti-freeze composition for automobile radiators. Firestone Tire & Rubber Company. 393,248; Jan. 27; Serial No. 447,606; published Nov. 18, 1941.

Antiperspirant and perspiration deodorant. Carter Products, Inc. 393,240; Jan. 27; Serial No. 447,360; published Nov. 18, 1941.

Anti-rheumatic, analgesic and anti-pyretic preparation. Sydney Ross Co. 393,135; Jan. 27; Serial No. 446,338; published Nov. 11, 1941.

Aqueous suspension of mineral oil for the treatment of constipation. Petrolagar Laboratories, Inc. 393,203; Jan. 27; Serial No. 446,664; published Nov. 11, 1941.

Chemical materials and compositions for coating metal surfaces, etc. Poor & Company. 393,054; Jan. 27; Serial No. 441,746; published May 13, 1941.

Chemical non-saponaceous cleaning compounds. L. Epstein. 393,200; Jan. 27; Serial No. 447,201; published Nov. 11, 1941.

Chemical preparation. Carbide and Carbon Chemicals Corporation. 393,239; Jan. 27; Serial No. 447,357; published Nov. 18, 1941.

Chemical preparation for use in removing accumulations of foreign matter from metal surfaces, etc. General Chemical Company. 393,065; Jan. 27; Serial No. 443,289; published Nov. 4, 1941.

Chemical solution for the treatment of fur. Non-Mercuric Carrot Company. 393,235; Jan. 27; Serial No. 447,311; published Nov. 18, 1941.

Chemicals. Northwestern Chemical Company. 155,498; renewed May 30, 1942.

Cologne. Lucien Lelong Inc. 393,246; Jan. 27; Serial No. 447,570; published Nov. 18, 1941.

Colorings, Food. Blanke-Baer Extract & Preserving Co. 393,207; Jan. 27; Serial No. 446,725; published Nov. 11, 1941.

Colorings for foods. Chapman & Smith Company. 393,029; Jan. 27; Serial No. 434,554; published Nov. 11, 1941.

Composition for coloring sausage and meat products, Powdered. Griffith Laboratories, Inc. 393,088; Jan. 27; Serial No. 444,967; published Nov. 11, 1941.

Compound for application to fruit trees and shrubs. General Chemical Company. 393,077; Jan. 27; Serial No. 444,405; published Nov. 18, 1941.

Compound for use in the treatment of leather, Bating. American Cyanamid & Chemical Corporation. 393,074; Jan. 27; Serial No. 443,993; published Nov. 4, 1941.

Compounding agents for stabilizing lubricants. Standard Oil Company of California. 393,156; Jan. 27; Serial No. 446,600; published Nov. 11, 1941.

Cosmetic preparation. L. R. Kallman. 393,148; Jan. 27; Serial No. 446,522; published Nov. 11, 1941.

Cosmetics and beauty preparations. J. Cochran. 393,187; Jan. 27; Serial No. 447,116; published Nov. 11, 1941.

Cough syrup. Abbott Laboratories. 393,197; Jan. 27; Serial No. 447,177; published Nov. 11, 1941.

Creams and toilet waters, Face. Toni Pierett Makeup Co. 393,086; Jan. 27; Serial No. 444,777; published Nov. 11, 1941.

Creams, Foundation. Bonne Bell, Inc. 393,081; Jan. 27; Serial No. 444,593; published Nov. 11, 1941.

Deodorant. M. H. C. Lindsey. 393,119; Jan. 27; Serial No. 445,993; published Nov. 11, 1941.

Deodorant, Body. Select Cosmetics Co. 393,045; Jan. 27; Serial No. 439,978; published Nov. 11, 1941.

Deodorant, cream, powder, and liquid. Sun Ray Drug Company. 393,196; Jan. 27; Serial No. 447,170; published Nov. 18, 1941.

Disinfectant, Foot. J. S. Crow. 393,189; Jan. 27; Serial No. 447,123; published Nov. 11, 1941.

Dyeing assistants and assistants in the developing of acetate developed blacks, Textile. American Aniline Products, Inc. 393,208; Jan. 27; Serial No. 446,749; published Nov. 11, 1941.

Eau de cologne. Pinaud, Incorporated. 393,084; Jan. 27; Serial No. 444,715; published Nov. 11, 1941.

Enamel adapted for coating finger nails, lipsticks, rouge. Revlon Nail Enamel Corporation. 393,198; Jan. 27; Serial No. 447,192; published Nov. 4, 1941.

Food or peptone from beef and wheat in fluid form. Fairchild Bros. & Foster. 393,222; Jan. 27; Serial No. 446,942; published Nov. 11, 1941.
Fungicidal preparations for the alleviation, and for controlling the spread of the epidermal phytons. S. Pfeiffer Mfg. Co. 393,214; Jan. 27; Serial No. 446,843; published Nov. 4, 1941.
Hair tonic. Great Atlantic Laboratories, Inc. 393,075; Jan. 27; Serial No. 444,218; published Sept. 2, 1941.
Hair tonic. C. F. Wunderlich. 393,028; Jan. 27; Serial No. 433,686; published Nov. 18, 1941.
Headache and neuralgia remedy. H. M. Griffin. 149,934; renewed Dec. 27, 1941.
Hemostatic preparations. A. Steinberg. 393,080; Jan. 27; Serial No. 444,514; published Nov. 11, 1941.
Insecticides, nicotine, and salts of nicotine, etc. R. C. Slater. 393,060; Jan. 27; Serial No. 442,572; published Nov. 18, 1941.
Liniment preparation. J. H. Morgan. 393,079; Jan. 27; Serial No. 444,465; published Nov. 11, 1941.
Lipsticks. Pond's Extract Company. 393,068; Jan. 27; Serial No. 443,516; published Nov. 11, 1941.
Lotion for external application. M. Johnson. 393,245; Jan. 27; Serial No. 447,545; published Nov. 18, 1941.
Lotion for the hair, Wave setting. Roux Distributing Co. 393,132; Jan. 27; Serial No. 446,244; published Nov. 11, 1941.
Lotion, Skn. J. Damianos. 393,071; Jan. 27; Serial No. 443,921; published Nov. 18, 1941.
Lotion, Skin. Bellin's Wonderstoen Co. 393,107; Jan. 27; Serial No. 445,798; published Nov. 11, 1941.
Medicinal preparation. American Apothecaries Company. 393,233; Jan. 27; Serial No. 447,299; published Nov. 18, 1941.
Medicinal preparation in the form of candy, chewing gum, drops, etc. Purity Drug Co. 393,051; Jan. 27; Serial No. 432,987; published Nov. 11, 1941.
Medicinal troches for the control of simple coughs. Abbott Laboratories. 393,202; Jan. 27; Serial No. 447,222; published Nov. 4, 1941.
Medicine. G. Harris. 393,070; Jan. 27; Serial No. 443,828; published Nov. 11, 1941.
Metal preserver for metal for removing rust etc. Ensign Products Company. 393,062; Jan. 27; Serial No. 442,693; published Nov. 4, 1941.
Mineral mixture. J. D. Earle. 393,050; Jan. 27; Serial No. 439,590; published Nov. 11, 1941.
Nasal drops. United Cigar-Whelan Stores Corporation. 393,049; Jan. 27; Serial No. 439,501; published July 1, 1941.
Oil, Fish. F. E. Booth Company. 393,126; Jan. 27; Serial No. 446,190; published Nov. 11, 1941.
Oils for cleansing the skin, for stimultaing the nerves of the skin, etc. Dermetics, Inc. 393,243; Jan. 27; Serial No. 447,432; published Nov. 11, 1941.
Ointment for hemorrhoids, cuts, etc. L. Kalogerakis. 393,150; Jan 27; Serial No. 446,547; published Nov. 11, 1941.
Ointment, vaginal douche, pile and hemorrhoidal preparation, etc. Medicone Company. 393,085; Jan. 27; Serial No. 444,737; published Nov. 11, 1941.
Ointments for the treating of skin infections. C. Nielsen. 393,212; Jan. 27; Serial No. 446,808; published Nov. 18, 1941.
Oxazolediones and salts thereof, Substituted. Mallinckrodt Chemical Works. 393,106; Jan. 27; Serial No. 445,776; published Nov. 11, 1941.
Perfume. J. Cochran. 393,186; Jan. 27; Serial No. 447,115; published Nov. 4, 1941.
Perfume. J. Cochran. 393,188; Jan. 27; Serial No. 447,117; published Nov. 11, 1941.
Perfumes. Germaine Monteil Cosmetiques Corporation. 393,191–2; Jan. 27; Serial Nos. 447,130–1; published Nov. 11, 1941.
Perfumes and toilet water. Audrey Louise, Inc. 393,137–8; Jan. 27; Serial Nos. 446,347–8; published Nov. 11, 1941.
Perfumes and toilet waters. F. J. de S. Coty. 146,719; renewed Sept. 20, 1941.
Perfumes, sachets, talcum powder, rouge, etc. Cheramy, Inc. 151,444; renewed Feb. 7, 1942.
Perfumes, toilet waters, and brilliantine, etc. F. J. de S. Coty. 146,717; renewed Sept. 20, 1941.
Perfumes, toilet waters, and brilliantine. F. J. de S. Coty. 146,975–9; renewed Sept. 27, 1941.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 393,163; Jan. 27; Serial No. 446,949; published Nov. 11, 1941.
Perfumes, toilet waters, eau de cologne, etc. Hermes S. A. 393,024; Jan. 27; Serial No. 423,421; published May 21, 1940.
Perfumes, toilet waters, face-powders, sachet-powders, lotion for skin and hair, and brilliantine. F. J. de S. Coty. 146,974; renewed Sept. 27, 1941.
Perfumes, toilet waters, face-powders, lotions for the skin, etc. F. J. de S. Coty. 146,980–1; renewed Sept. 27, 1941.
Perfumes, toilet water, lotions for the hands and face, etc. Dr. B. Bernard. 393,236; Jan. 27; Serial No. 447,320; published Nov. 4, 1941.
Peroxide of hydrogen and hair preparations. Charles Marchand Company. 393,114; Jan. 27; Serial No. 445,949; published Nov. 4, 1941.
Pharmaceutical preparation of vitamin B complex. Premo Pharmaceutical Laboratories, Inc. 393,128; Jan. 27; Serial No. 446,217; published Nov. 11, 1941.
Powder, Make up. Elmo Sales Corporation. 393,231; Jan. 27; Serial No. 447,285; published Nov. 4, 1941.
Preparation beneficial for indigestion and gastric stomach ailments. J. J. Wooten. 393,133; Jan. 27; Serial No. 446,256; published Nov. 11, 1941.
Preparation for internal use for facilitating the taking of X-ray pictures. Schering Corporation. 393,227; Jan. 27; Serial No. 447,273; published Nov. 18, 1941.
Preparation for the care and treatment of the hair and scalp. Bristol-Meyers Company. 393,063; Jan. 27; Serial No. 442,828; published July 1, 1941.
Preparation for the treatment of pediculosis. McKesson & Robbins, Inc. 393,103–5; Jan. 27; Serial Nos. 445,744–6; published Nov. 11, 1941.
Preparation for treatment of burns. Parke, Davis & Company. 393,224; Jan. 27; Serial No. 447,249; published Nov. 11, 1941.
Preparation for treatment of conditions resulting from metabolic deficiencies, etc. Sharp & Dohme, Incorporated. 393,180; Jan. 27; Serial No. 447,078; published Nov. 11, 1941.
Preparation to check falling hair, dandruff, and itchy scalp. P. Massimino. 393,072; Jan. 27; Serial No. 443,945; published Nov. 11, 1941.
Preparations containing vitamin E, etc. Sharp & Dohme, Incorporated. 393,199; Jan. 27; Serial No. 447,194; published Nov. 11, 1941.
Restorative from bone marrow and blood. Rairchild Bros. & Foster. 393,221; Jan. 27; Serial No. 446,941; published Nov. 11, 1941.
Shampoo. Valentine Laboratories, Inc. 393,169; Jan. 27; Serial No. 446,981; published Nov. 4, 1941.
Soldering fluxes, fluid compounds, and pastes. Fried. Krupp Aktiengesellschaft. 393,040; Jan. 27; Serial No. 438,305; published Nov. 11, 1941.
Starch, Laundry. Hubinger Company. 393,194; Jan. 27; Serial No. 447,136; published Nov. 4, 1941.
Sulphur. P. Zingler. 393,172; Jan. 27; Serial No. 447,010; published Nov. 11, 1941.
Tablets for treatment of heart conditions, Enteric coated. Wm. S. Merrell Company. 393,109; Jan. 27; Serial No. 445,819; published Nov. 11, 1941.
Tablets to be used in the treatment of simple headache, head colds, neuralgia, etc. Lakeside Laboratories, Inc. 393,173; Jan. 27; Serial No. 447,022; published Nov. 11, 1941.
Tanning extracts. New York Quebracho Extract Company. 155,497; renewed May 30, 1942.
Toilet water, eau de cologne, perfumes, sachets, etc. F. Koenigsberger. 393,237; Jan. 27; Serial No. 447,337; published Nov. 4, 1941.
Toilet water, face powder, talcum powder, dusting powder, etc. L. Glauberman. 393,122; Jan. 27; Serial No. 446,107; published Nov. 11, 1941.
Vitamin and mineral preparations. International Vitamin Corp. 393,121; Jan. 27; Serial No. 446,050; published Nov. 11, 1941.
Vitamin capsules. Vitamin Service Co. 393,171; Jan. 27; Serial No. 447,008; published Nov. 11, 1941.
Vitamin K Like substance, Synthetic. Hoffmann-La Roche, Inc. 393,117; Jan. 27; Serial No. 445,986; published Nov. 4, 1941.
Vitamin preparation. Abbott Laboratories. 393,055; Jan. 27; Serial No. 441,802; published Apr. 29, 1941.
Vitamin preparations. White Laboratories, Inc. 393,182; Jan. 27; Serial No. 447,085; published Nov. 4, 1941.
Vitaminic preparations. E. R. Squibb & Sons. 393,167; Jan. 27; Serial No. 446,956; published Nov. 4, 1941.
Wax composition. National Wax Company. 393,165; Jan. 27; Serial No. 446,953; published Nov. 11, 1941.
Wax composition. National Wax Company. 393,166; Jan. 27; Serial No. 446,954; published Nov. 11, 1941.

CLASS 10

Fertilizers. American Agricultural Chemical Company. 149,816; renewed Dec. 27, 1941.

CLASS 12

Siding, cornice work, roofing ternes, and siding, Insulated. Penn Supply and Metal Corporation. 393,268; Jan. 27.

CLASS 13

Hardware, Articles of builders' and other. Stanley Works. 152,513; renewed Feb. 28, 1942.
Plates and number plates, Name. E. Manchin. 393,170; Jan. 27; Serial No. 446,999; published Nov. 18, 1941.
Staples. Greif Bros. Cooperage Corporation. 393,223; Jan. 27; Serial No. 447,233; published Nov. 18, 1941.
Tank balls. Lavelle Rubber Company. 393,244; Jan. 27; Serial No. 447,443; published Nov. 18, 1941.
Wire cloth, wire netting, and wire fabric, etc. Wickwire Spencer Steel Corporation. 152,548; renewed Feb. 28, 1942.

CLASS 14

Steel sheets, steel strips, steel bars, and steel coils. Edgcomb Steel Company. 393,127; Jan. 27; Serial No. 446,196; published Nov. 18, 1941.
Welding rods. R. G. Le Tourneau, Inc. 393,118; Jan. 27; Serial No. 445,992; published Nov. 18, 1941.

CLASS 15

Axle grease and other lubricating oils and greases. Snow Flake Axle Grease Company. 155,088; renewed May 16, 1942.
Grease stock. Philip Carey Manufacturing Company. 149,200; renewed Dec. 6, 1941.
Lubricants consisting of oils and greases. Keystone Lubricating Company. 154,987; renewed May 16, 1942.
Naphtha especially adapted for solvent purposes, Light. Standard Oil Company. 149,248; renewed Dec. 6, 1941.
Oil, Motor lubricating. Sears, Roebuck and Co. 393,116; Jan. 27; Serial No. 445,962; published Nov. 18, 1941.
Oil, White mineral. Standard Oil Company. 149,249; renewed Dec. 6, 1941.
Oils and greases, Lubricating. Ashland Oil and Refining Company. 393,176; Jan. 27; Serial No. 447,055; published Nov. 18, 1941.
Oils and waxes. Sun Company. 153,013; renewed Mar. 7, 1942.

CLASS 16

Lithopone. New Jersey Zinc Company. 155,026; renewed May 16, 1942.
Preparation which polishes and cleans automobiles. E. A. Ehlerding. 393,143; Jan. 27; Serial No. 446,491; published Nov. 18, 1941.
Substitute for prepared shellac. Lowe Brothers Company. 155,000; renewed May 16, 1942.
Varnishes. Lowe Brothers Company. 154,316; renewed Apr. 11, 1942.
Varnishes and paints in paste form. Durez Plastics & Chemicals, Inc. 393,110; Jan. 27; Serial No. 445,843; published Nov. 11, 1941.

CLASS 17

Cigarettes and smoking tobacco. Rock City Tobacco Company (1936) Limited. 393,175; Jan. 27; Serial No. 447,048; published Nov. 18, 1941.

CLASS 19

Bicycles and tricycles. M. Lipski. 393,108; Jan. 27; Serial No. 445,815; published Nov. 18, 1941.
Trailers, House. P. A. Procsel. 393,083; Jan. 27; Serial No. 444,610; published Nov. 18, 1941.

CLASS 21

Electric lifts, incline elevator for stairs. Inclinator Company of America. 393,263; Jan. 27.
Lamps used as concentrators, Electric. Westinghouse Electric & Manufacturing Company. 393,061; Jan. 27; Serial No. 442,617; published Nov. 18, 1941.
Motors and switch box covers, Electric. Delta Manufacturing Company. 393,095; Jan. 27; Serial No. 445,382; published Nov. 18, 1941.
Tubes, fluorescent light tubes or lamps, Radio receiving and transmitting. Rocke International Electric Corp. 393,232; Jan. 27; Serial No. 447,294; published Nov. 18, 1941.
Tubing for electrical insulation, Extruded plastic. Irvington Varnish & Insulator Co. 393,129; Jan. 27; Serial No. 446,235; published Nov. 18, 1941.
Tubing for electrical insulation, Varnished. Irvington Varnish & Insulator Co. 393,130; Jan. 27; Serial No. 446,236; published Nov. 18, 1941.

CLASS 22

Christmas stocking to contain gifts, Chimney. Millburn Mills, Inc. 393,033; Jan. 27; Serial No. 435,250; published Nov. 18, 1941.
Fishing line. Ashaway Line & Twine Manufacturing Company. 155,370; renewed May 30, 1942.
Fishing line. Ashaway Line & Twine Manufacturing Company. 155,375; renewed May 30, 1942.
Golf-balls. United States Rubber Company. 149,273; renewed Dec. 6, 1941.
Golf-balls. United States Rubber Company. 149,533; renewed Dec. 13, 1941.

CLASS 23

Floor treating machines, and pads, pad holders, brushes, and brush holders. Lincoln-Schlueter Floor Machinery Company. 393,251; Jan. 27.
Form ties for concrete forms and wedges, spools, etc. Star Expansion Bolt Company. 393,102; Jan. 27; Serial No. 445,672; published Nov. 18, 1941.
Milling cutters, reamers, counter bores, etc. National Tool Company. 155,024; renewed May 16, 1942.
Plows, cultivators, harrows, mowers, etc. Ferguson-Sherman Manufacturing Corporation. 393,026; Jan. 27; Serial No. 430,077; published Nov. 18, 1941.
Thread guides for textile machinery. Mitchell-Bissell Company. 155,259–60; renewed May 23, 1942.
Tools for boring, sawing, shaping and surface finishing wood, metal, etc., Power. Delta Manufacturing Company. 393,089; Jan. 27; Serial No. 445,043; published Nov. 18, 1941.
Tools, Hand-operated. Union Fork & Hoe Company. 393,201; Jan. 27; Serial No. 447,219; published Nov. 18, 1941.
Typewriting machines and parts thereof. Royal Typewriter Company. 393,160; Jan. 27; Serial No. 446,635; published Nov. 18, 1941.
Well drilling apparatus. Sperry-Sun Surveying Company. 393,229–30; Jan. 27; Serial Nos. 447,278–9; published Nov. 18, 1941.

CLASS 25

Banks, Saving. Standard Oil Company of New Jersey. 393,181; Jan. 27; Serial No. 447,079; published Nov. 18, 1941.

CLASS 26

Battery charging and testing apparatus, Combination. Mercury Corporation. 393,234; Jan. 27; Serial No. 447,310; published Nov. 18, 1941.
Calculating devices of the slide rule type. Allis-Chalmers Manufacturing Company. 393,057; Jan. 27; Serial No. 441,844; published Nov. 18, 1941.
Goggles and sunglasses and parts therefor. American Optical Company. 393,226; Jan. 27; Serial No. 447,264; published Nov. 18, 1941.
Helmets, hand shields, protection goggles and parts therefor, etc. American Optical Company. 393,052; Jan. 27; Serial No. 441,297; published Nov. 18, 1941.
Well surveying instruments. Sperry-Sun Well Surveying Company. 393,228; Jan. 27; Serial No. 447,277; published Nov. 18, 1941.

CLASS 28

Bracelets, watch bracelets, watch chains, finger rings, earrings, etc. W. & H. Jewelery Company. 393,038; Jan. 27; Serial No. 437,585; published Nov. 18, 1941.
Flatware, tableware, silverware and dresserware, etc. R. Blackinton & Co. 393,151; Jan. 27; Serial No. 446,560; published Nov. 18, 1941.
Necklaces, bracelets, finger rings, earrings, jewelry clips, etc. Cohn & Rosenberger, Inc. 393,183; Jan. 27; Serial No. 447,094; published Nov. 18, 1941.
Silver hollow ware and tableware, Sterling. Ellmore Silver Company. 393,158; Jan. 27; Serial No. 446,623; published Nov. 18, 1941.

CLASS 29

Paintbrushes. Sears, Roebuck and Co. 393,260; Jan. 27.

CLASS 31

Refrigerated cabinets. Frost Cooked Foods, Inc. 393,048; Jan. 27; Serial No. 440,586; published Nov. 18, 1941.

CLASS 32

Bed springs. Fischer Bed Spring Company. 393,247; Jan. 27; Serial No. 447,699; published Nov. 18, 1941.
Bed springs. Fischer Bed Spring Company. 393,249–50; Jan. 27; Serial Nos. 447,697–8; published Nov. 18, 1941.
Benches, Piano. Tonk Mfg. Co. 150,142; renewed Dec. 27, 1941.
Cribs, youths' beds and chest of drawers. South Tamworth Industries, Inc. 393,058; Jan. 27; Serial No. 442,373; published Nov. 18, 1941.

CLASS 34

Boilers, furnaces, and burners, Solid and fluid fuel burning. Aldrich Company. 393,044; Jan. 27; Serial No. 439,789; published Nov. 18, 1941.
Furnaces, Heating. H. Gilbert Hart & Co. 20,363; renewed Nov. 10, 1941.
Gas burners, gas water heaters, gas ranges, etc. Holyoke Heater Company. 393,184; Jan. 27; Serial No. 447,103; published Nov. 18, 1941.
Heating apparatus. M. & M. Engineering Company. 393,056; Jan. 27; Serial No. 441,826; published Nov. 18, 1941.

CLASS 36

Phonograph records. Hearst Magazines Inc. 393,161; Jan. 27; Serial No. 446,654; published Nov. 18, 1941.

CLASS 37

Blank checks, and blank books of checks. R. N. Linsenmeyer. 393,091; Jan. 27; Serial No. 445,062; published Nov. 18, 1941.
Papers, Cellophane wrapping. Lion Ribbon Company. 393,125; Jan. 27; Serial No. 446,166; published Nov. 18, 1941.
Pens, Fountain. Parker Pen Company. 155,044; renewed May 16, 1942.
Toilet paper, paper napkins, paper towels, and wrapping paper. John Hoberg Co. 154,971; renewed May 16, 1942.

CLASS 39

Boots and shoes. Stacy-Adams Company. 150,119; renewed Dec. 27, 1941.
Coats and overcoats. Herbert Manufacturing Company. 393,090; Jan. 27; Serial No. 445,056; published Nov. 4, 1941.
Coats, Ladies', misses', and children's. Vogue Girl Coats, Inc. 393,238; Jan. 27; Serial No. 447,352; published Nov. 18, 1941.

Coats, suits, and jackets, Women's and misses'. Franklin Simon & Co. 393,262; Jan. 27.
Coats, suits, and skirts. Shipman & Baker, Inc. 393,204; Jan. 27; Serial No. 446,668; published Oct. 28, 1941.
Coats, suits, skirts, capes, etc. I. Grossman & Sons, Inc. 393,211; Jan. 27; Serial No. 446,802; published Nov. 18, 1941.
Collars and men's underwear. Cluett, Peabody & Co. 393,220; Jan. 27; Serial No. 446,940; published Nov. 11, 1941.
Corsets. Rivoli Corset Company. 393,115; Jan. 27; Serial No. 445,959; published Nov. 11, 1941.
Dresses. J. Braunstein. 393,140; Jan. 27; Serial No. 446,383; published Nov. 18, 1941.
Dresses. "Peggy Ware" Children's Dress Co. Inc. 154,657; renewed May 16, 1942.
Dresses. Pomette Dress Corporation. 393,256; Jan. 27.
Dresses. B. R. Solnick. 393,031; Jan. 27; Serial No. 435,148; published Nov. 4, 1941.
Dresses and dress ensembles. Pontiac Dresses Inc. 393,255; Jan. 27.
Dresses, blouses, jackets, etc. Schleifer & Lubell, Inc. 393,213; Jan. 27; Serial No. 446,815; published Nov. 18, 1941.
Dresses, coats, jackets, etc. Traina-Norell, Inc. 393,111; Jan. 27; Serial No. 445,865; published Nov. 18, 1941.
Dresses, coats and suits. Samuel R. Parnes Company. 393,254; Jan. 27.
Hats. Byer-Rolnick Company. 393,219; Jan. 27; Serial No. 446,905; published Nov. 18, 1941.
Hats. Kaufmann and Co. 393,153; Jan. 27; Serial No. 446,577; published Nov. 11, 1941.
Hats, outer shirts, and neckties. S. J. Palinkos. 393,131; Jan. 27; Serial No. 446,239; published Nov. 18, 1941.
Hats for men. Hat Corporation of America. 393,178; Jan. 27; Serial No. 447,067; published Nov. 18, 1941.
Hats for women. Associated Retail Millinery, Incorporated. 393,206; Jan. 27; Serial No. 446,685; published Nov. 18, 1941.
Hosiery. Allied Stores Corporation. 393,205; Jan. 27; Serial No. 446,682; published Oct. 28, 1941.
Hosiery. Crepe De Chine Incorporated. 393,152; Jan. 27; Serial No. 446,566; published Nov. 4, 1941.
Hosiery. M. R. Huffman. 393,141; Jan. 27; Serial No. 446,429; published Nov. 4, 1941.
Hosiery. Sears, Roebuck and Co. 393,253; Jan. 27.
Lingerie, Ladies'. Parsons-Faulkner Company. 393,025; Jan. 27; Serial No. 429,866; published Nov. 18, 1941.
Negligees, house coats, pajamas, and nightgowns. James Jebaily Inc. 393,096; Jan. 27; Serial No. 445,466; published Nov. 4, 1941.
Outergarments; also men's overcoats and topcoats; also women's overcoats, topcoats, and suits, etc. Cohen, Goldman & Co. 393,266; Jan. 27.
Outershirts. Brownstein-Louis Company. 393,215; Jan. 27; Serial No. 446,859; published Nov. 11, 1941.
Pajamas, nightshirts, and nightgowns, Men's and boys'. Frackville Manufacturing Company. 393,094; Jan. 27; Serial No. 445,198; published Nov. 4, 1941.
Shirts. Rob Roy Company. 393,149; Jan. 27; Serial No. 446,529; published Nov. 4, 1941.
Shirts, Men's outer. Martin Jacobi, Inc. 393,144; Jan. 27; Serial No. 446,500; published Nov. 4, 1941.
Shirts, Men's outer. Phillips-Jones Corporation. 393,168; Jan. 27; Serial No. 446,977; published Nov. 11, 1941.
Shirts, swim and play trunks, slacks, jackets, etc. Wismar Mfg. Co. 393,217; Jan. 27; Serial No. 446,901; published Nov. 4, 1941.
Shoes. B. Warshauer. 393,136; Jan. 27; Serial No. 446,341; Nov. 18, 1941.
Shoes, Children's. Ettelbrick Shoe Company. 393,053; Jan. 27; Serial No. 441,533; published Nov. 18, 1941.
Slacks, dresses, and combined slack-dresses. S. J. Goldfarb. 393,193. Jan. 27; Serial No. 447,132; published Nov. 11, 1941.
Sleeping garments, Fleeced one piece. Globe Knitting Works. 393,124; Jan. 27; Serial No. 446,135; published Nov. 18, 1941.
Suits and coats, Women's and misses'. Morris W. Haft & Bros., Inc. 393,113; Jan. 27; Serial No. 445,937; published Nov. 4, 1941.
Suits, coats, slacks, etc. Jaxton Clothes Company. 393,159; Jan. 27; Serial No. 446,628; published Oct. 28, 1941.
Suits, overcoats, hose, etc. Rogers Peet Company. 393,092; Jan. 27; Serial No. 445,067; published Nov. 4, 1941.
Suits, pants, shirts, etc., Sport. Hortex Manufacturing Company. 393,064; Jan. 27; Serial No. 443,192; published Nov. 18, 1941.
Suits, topcoats, and overcoats. Lebow Brothers. 393,069; Jan. 27; Serial No. 443,660; published Nov. 18, 1941.
Sweaters. Norman D. Waters & Associates, Inc. 393,225; Jan. 27; Serial No. 447,262; published Nov. 18, 1941.
Sweaters and sport jackets, and hosiery, Knitted and woven. Wulcrest Knitwear Co. 393,035; Jan. 27; Serial No. 435,824; published Nov. 18, 1941.
Trousers, riding breeches, sport shirts, etc., Men's and boys'. Haggar Company. 393,259; Jan. 27.
Vests. Timely Sportswear Co. 393,139; Jan. 27; Serial No. 446,376; published Oct. 28, 1941.
Wearing apparel—namely, removable coat collars. Cardais Cloak Co. 393,123; Jan. 27; Serial No. 446,123; published Nov. 4, 1941.
Welting. Brockton Rand Company. 154,886; renewed May 16, 1942.

CLASS 40

Hair curlers, Non-electrical. Eastern Trading Co. 393,209; Jan. 27; Serial No. 446,752; published Nov. 18, 1941.
Laces, Shoe. Hutmacher Braiding Company. 151,813; renewed Feb. 14, 1942.
Shields, Dress. I. B. Kleinert Rubber Company. 393,023; Jan. 27; Serial No. 398,247; published Nov. 18, 1941.
Slotted device for winding threads or cords, Hand operated. Bernhard Ulmann Co. Inc. 393,067; Jan. 27; Serial No. 443,439; published Nov. 18, 1941.

CLASS 42

Curtains and draperies. Fall River Curtain Co. Inc. 393,177; Jan. 27; Serial No. 447,060; published Nov. 18, 1941.
Fabrics sold both in the piece and in the bolt, Woven. Kendall Company. 393,179; Jan. 27; Serial No. 447,068; published Nov. 18, 1941.
Lace curtains. Marshall Field & Company. 393,112; Jan. 27; Serial No. 445,927; published Nov. 18, 1941.
Lace curtains. Marshall Field & Company. 393,190; Jan. 27; Serial No. 447,126; published Nov. 18, 1941.
Piece goods, blankets, sheets, etc., Cotton. B. Altman & Co. 393,034; Jan. 27; Serial No. 435,745; published Nov. 18, 1941.
Piece goods, Cotton. Garner Print Works and Bleachery. 154,942; renewed May 16, 1942.

CLASS 44

Dental alloys, cement, solder, etc. M. Larson Company. 393,043; Jan. 27; Serial No. 439,163; published Nov. 18, 1941.
Limbs, eyes, teeth, etc., Artificial. Fried. Krupp Aktiengesellschaft. 393,041; Jan. 27; Serial No. 438,307; published Nov. 18, 1941.

CLASS 45

Beverages, and extract and concentrates for making such beverages, Non-alcoholic, maltless. Mil-K-Botl Corporation of America. 393,032; Jan. 27; Serial No. 435,661; published Nov. 18, 1941.
Beverages, and fruit concentrates, syrups, and extracts for beverage purposes, Nonalcoholic, maltless. Sociedad Anonima Vinedos y Bodegas Arizu. 393,047; Jan. 27; Serial No. 440,429; published Nov. 18, 1941.
Beverages and products for use in making the same, Non-alcoholic, maltless. S. E. Webb. 393,076; Jan. 27; Serial No. 444,365; published Nov. 18, 1941.
Mineral waters and certain named soft drinks. New York Mineral Water Company. 155,268; renewed May 23, 1942.
Non-alcoholic maltless beverages and syrups for making same. Evers-Rehm Co. 149,916; renewed Dec. 27, 1941.

CLASS 46

Bread and rolls. Hazleton Baking Co. 155,443; renewed May 30, 1942.
Broth powder made of vegetable concentrates and other ingredients. J. F. Gorman. 393,059; Jan. 27; Serial No. 442,490; published Nov. 18, 1941.
Candies. Volpi Chewing Candy Company. 393,242; Jan. 27; Serial No. 447,383; published Nov. 18, 1941.
Canned peas. Uddo Taormina Corp. 393,073; Jan. 27; Serial No. 443,963; published Nov. 18, 1941.
Cheese, Smoked. Pine Island Smoked Cheese Company. 393,258; Jan. 27.
Coffee. J. Aron & Company, Inc. 150,226; renewed Jan. 3, 1942.
Cream containing a vegetable stabilizer. Real Cream Incorporated. 393,146–7; Jan. 27; Serial Nos. 446,506–7; published Nov. 18, 1941.
Dates and figs, Dried. Great Atlantic and Pacific Tea Company. 152,802; renewed Mar. 7, 1942.
Feed, Stock and poultry. Eberhardt-Simpson. 393,101; Jan. 27; Serial No. 445,629; published Nov. 18, 1941.
Flour, Wheat. Tri-State Milling Co. 153,030; renewed Mar. 7, 1942.
Foaming agent for use in foods, confections, and bakery goods. Protein Products Co. 393,066; Jan. 27; Serial No. 443,343; published Nov. 18, 1941.
Food, Dog. Park & Pollard Co. Inc. 393,195; Jan. 27; Serial No. 447,145; published Nov. 18, 1941.
Food products—namely, cookies, fruit preserves, etc. H. J. Lang. 393,252; Jan. 27.
Fruits and vegetables, Fresh citrus and deciduous. S. C. Ricke. 393,257; Jan. 27.
Fruits, Dried. J. G. Vagim. 393,157; Jan. 27; Serial No. 446,603; published Nov. 18, 1941.
Fruits, Fresh citrus. Canoga Citrus Association. 393,100; Jan. 27; Serial No. 445,626; published Nov. 18, 1941.
Honey. Finger Lakes Honey Producers Cooperative, Incorporated. 393,261; Jan. 27.
Meat products—namely, pork sausage. Oscar Mayer & Company. 393,039; Jan. 27; Serial No. 437,828; published Nov. 18, 1941.

Molasses and corn oil cake meal, Combination of dried. Vy Lactos Laboratories, Inc. 393,027; Jan. 27; Serial No. 430,887; published Nov. 18, 1941.
Oats, Rolled. Northern Oats Company. 393,174; Jan. 27; Serial No. 447,029; published Nov. 18, 1941.
Olive oil. Great Atlantic and Pacific Tea Company. 152,801; renewed Mar. 7, 1942.
Pears, Fresh. Modoc Orchard Company. 393,154; Jan. 27; Serial No. 446,582; published Nov. 18, 1941.
Raisins. Great Atlantic and Pacific Tea Company. 154,557; renewed Apr. 18, 1942.
Shortening made of all-hydrogenated vegetable oils, Special. Southern Cotton Oil Company. 393,097; Jan. 27; Serial No. 445,536; published Nov. 18, 1941.
Spaghetti and sauces therefor. Butioni Products, Inc. 393,264; Jan. 27.
Vegetables, Fresh. C. V. Rohrbacher. 393,037; Jan. 27; Serial No. 437,147; published Jan. 14, 1941.
Vegetables—namely, fresh lettuce, Fresh. Salinas Valley Vegetable Exchange. 393,155; Jan. 27; Serial No. 446,595; published Nov. 18, 1941.
Vegetables—namely, tomatoes, Fresh. O'Keefe Brothers. 393,265; Jan. 27.

CLASS 48

Beer. G. Heilman Brewing Co. 393,030; Jan. 27; Serial No. 434,832; published Nov. 18, 1941.

CLASS 49

Brandy, Distilled. B. Delatour. 393,046; Jan. 27; Serial No. 440,235; published July 29, 1941.
Brandy, Distilled alcoholic. B. Delatour. 393,098; Jan. 27; Serial No. 445,572; published Oct. 28, 1941.

CLASS 50

Advertising signs made of plastic material, Non-electrical. Plastic Die and Tool Corporation. 393,082; Jan. 27; Serial No. 444,608; published Nov. 18, 1941.
Caps or closures for containers. Owens-Illinois Glass Company. 393,120; Jan. 27; Serial No. 446,004; published Nov. 18, 1941.
Closure caps. Anchor Hocking Glass Corporation. 393,087; Jan. 27; Serial No. 444,816; published Nov. 18, 1941.
Mats and matting made wholly or partly of rubber. Federal Rubber Company. 149,049–50; renewed Dec. 6, 1941.
Package containing three tins of tobacco, and a pipe, and pipe cleaners. John Middleton Inc. 393,078; Jan. 27; Serial No. 444,410; published Nov. 18, 1941.
Rubber sheeting. A. Stein & Company. 153,012; renewed Mar. 7, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Gonzalez, Augusto C., Manila, P. I. Joining constructional members. Re. 22,013; Jan. 27.

Kantack, Walter W., St. Albans, N. Y. Lighting fixture. Re. 22,014; Jan. 27.

LIST OF PLANT PATENTEES

Howard, Frederick H., Montebello, Calif. Rose plant. 501; Jan. 27.

LIST OF DESIGN PATENTEES

Allen, Elizabeth, Detroit, Mich. Rack for spice containers or the like. 131,229; Jan. 27.

American Stove Company. (See Brodbeck, Almer H., assignor.)

Amick, Clair J., Los Angeles, Calif., assignor to Century Metalcraft Corporation, Chicago, Ill. Sauce pan or similar article. 131,230; Jan. 27.

Anderson, David E., Los Angeles, Calif. Bathtub. 131,214; Jan. 27.

Austin, William E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boot. 131,231; Jan. 27.

Barofsky, Jack, Los Angeles, Calif. Typewriter. 131,192; Jan. 27.

Beach, Charles C., Miami, Fla. Door knocker. 131,203; Jan. 27.

Bendix Home Appliances, Inc. (See Schulz, Arthur P., assignor.)

Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Co., Cambridge, Mass. Rubber boot. 131,204; Jan. 27.

Birch, Ernest N., Elyria, Ohio. Lace. 131,215; Jan. 27.

Boice, John E. (See Boice, William B. and J. E.)

Boice, William B. and J. E., Toledo, Ohio. Band saw. 131,216; Jan. 27.

Braun, Francis F., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Door handle. 131,217; Jan. 27.

Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Range top. 131,218; Jan. 27.

Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)

Casanov, Raymond C., Chicago, Ill. Slip sheet inserter. 131,219; Jan. 27.

Century Metalcraft Corporation. (See Amick, Clair J., assignor.)

Christen, Marcel, New York, N. Y. Textile fabric. 131,253; Jan. 27.

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Committee for the Celebration of the President's Birthday for the National Foundation for Infantile Paralysis, Inc., The. (See Steinman, Theodore C., assignor.)

Dean, Herman, Borger, Tex. Radio panel. 131,193; Jan. 27.

Dey, John Bascom, Lynchburg, Va. Frame for a display board or the like. 131,220; Jan. 27.

Dey, John B., Lynchburg, Va. Display board or the like. 131,234; Jan. 27.

Dey, John B., Lynchburg, Va. Display board or the like. 131,255; Jan. 27.

Dey, John B., Lynchburg, Va. Display board or the like. 131,256; Jan. 27.

Dey, John B., Lynchburg, Va. Display board or the like. 131,257; Jan. 27.

Dey, John B., Lynchburg, Va. Frame for a display board or the like. 131,258; Jan. 27.

Fingerhut, Abraham, New York, N. Y. An appointment watch pin or similar article. 131,205; Jan. 27.

Franklin, Lester K., Los Angeles, Calif. Radio cabinet or the like. 131,194; Jan. 27.

General Motors Corporation. (See Waterbury, Ronald J., assignor.)

Globe-Wernicke Company, The. (See Braun, Francis F., assignor.)

Goldfarb, Samuel J., New York, N. Y. Dress. 131,259; Jan. 27.

Gottlieb, David E., New York, N. Y. Dress. 131,251; Jan. 27.

Gottlieb, David E., New York, N. Y. Dress. 131,252; Jan. 27.

Haas, Carl F., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Lighting fixture or similar article. 131,195; Jan. 27.

Hamwi, Ernest A., St. Louis, Mo. Ice cream cone. 131,221; Jan. 27.

Hodge, Florence V., Overland Park, Kans. Clock face or similar article. 131,206; Jan. 27.

Holstein, Sol, New York, N. Y. Button. 131,207; Jan. 27.

Imperial Glass Corporation. (See Uhrmann, Carl J., assignor.)

Jolles, Ida, New York, N. Y. Needlepoint tapestry fabric or similar article. 131,260; Jan. 27.

Jolles, Ida, New York, N. Y. Needlepoint tapestry fabric or similar article. 131,261; Jan. 27.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,262; Jan. 27.

Kauffman, Samuel J., New York, N. Y. Combined clock and picture-holding case. 131,208; Jan. 27.

Kauffman, Sameul J., New York, N. Y. Combined clock and picture-holding case. 131,209; Jan. 27.

Kay, Sara, New York, N. Y. Textile fabric. 131,263; Jan. 27.

Kelman, David J., Brooklyn, N. Y. Electric wreath or similar article. 131,222; Jan. 27.

Kraus, Vern, Cleveland, Ohio. Cabinet for a loud speaker. 131,196; Jan. 27.

Leser, Wayne, South Ozone Park, N. Y. Air finned smoking pipe. 131,197; Jan. 27.

Levi, Howard J., New York, N. Y. Dickey. 131,232; Jan. 27.

Lewis, Harrison, San Francisco, Calif. Handle for a hair trimming device. 131,223; Jan. 27.

Limpert, Gregory H. (See Limpert, John H. and G. H.)

Limpert, John H., New York, N. Y., and G. H. Limpert, Vineland, N. J. Service and display tray for food containers, or the like. 131,198; Jan. 27.

McDonald Products Corporation. (See Vevirit, James V., assignor.)

Mir, David, New York, N. Y. Brooch or similar article. 131,233; Jan. 27.

Mir, David, New York, N. Y. Pin clip. 131,234; Jan. 27.

Mishawaka Rubber and Woolen Manufacturing Company. (See Austin, William E., assignor.)

Mitchell, Bernard A., Chicago, Ill. Fluorescent lamp fixture. 131,197; Jan. 27.

Moreing, James A., San Francisco, Calif. Package cart. 131,210; Jan. 27.

Murray-Ohio Manufacturing Company, The. (See Schreckengost, Viktor, assignor.)

Parisi, Joseph L., Buffalo, N. Y. Knife hand guard. 131,224; Jan. 27.

Petit, Marie, New York, N. Y. Brooch or similar article. 131,225; Jan. 27.

Petit, Marie, New York, N. Y. Brooch or similar article. 131,226; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,264; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,265; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,266; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,267; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,268; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,235; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,236; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,237; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,238; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,239; Jan. 27.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,240; Jan. 27.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,241; Jan. 27.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,242; Jan. 27.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,243; Jan. 27.
Plotkin, Abraham, Buffalo, N. Y. Display plate for use on automobiles. 131,227; Jan. 27.
Rudolph, Maxwell A., New York, N. Y. Dress. 131,244; Jan. 27.
Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Window ventilator housing. 131,270; Jan. 27.
Schulz, Arthur P., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine. 131,228; Jan. 27.
Sobel, Harry, Los Angeles, Calif. Shoe. 131,211; Jan. 27.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 131,245; Jan. 27.
Spancy, Alfred, New York, N, Y. Brooch or similar article. 131,246; Jan. 27.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 131,247; Jan. 27.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 131,248; Jan. 27.
Steinman, Theodore C., assignor to The Committee for the Celebration of the President's Birthday for the National Foundation for Infantile Paralysis, Inc., New York, N. Y. Jewelry finding. 131,249; Jan. 27.
Stephens, Frances, New York, N. Y. Book cover or similar article. 131,200; Jan. 27.
Susi, Michael A., New York, N. Y. Textile fabric. 131,269; Jan. 27.
Thompson, Ervin H., New York, N. Y. Combined radio and bedside table. 131,201; Jan. 27.
Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Bowl or similar article. 131,250; Jan. 27.
Veirit, James V., Lewiston, assignor to McDonald Products Corporation, Buffalo, N. Y. Humidor. 131,202; Jan. 27.
Waterbury, Ronald J., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Front fender for an automobile. 131,212; Jan. 27.
Westinghouse Electric & Manufacturing Company. (See Haas, Carl F., assignor.)
Wolock, Morris, New York, N. Y. Shoe or similar article. 131,213; Jan. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Henry H., Yonkers, and L. J. Bowne, Howard Beach, N. Y., and A. Tradup, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Special service communication system. 2,270,915; Jan. 27.
Abrams, Rudolf, Bechtelsville, Pa. Thread controlling mechanism. 2,270,859; Jan. 27.
Acme Air Appliance Company. (See Longstreet, Walter H., assignor.)
Adnum Engineering Corporation. (See Farrell, John D., assignor.)
Ahlberg, Jacob E. (See Thomas, C. L., and Ahlberg.)
Ahrgal, Gustav D., Jennings Station, Mo. Lawn mower. 2,271,283; Jan. 27.
Air Reduction Company. (See Balcar, Frederick R., assignor.)
Aktiebolaget Formator. (See Hellström, Birger, assignor.)
Aleshire, Leonard C., Springfield, Ohio. Feeder for animals. 2,271,450; Jan. 27.
Allard, Pierre J. M. T., Le Havre, assignor to Societe Française de Construction de Bennes Automatiques, Graville-Le Havre, France. Operating apparatus for grabs or the like. 2,270,916; Jan. 27.
Allen, Charles H. and R. C., Pittsburgh, Pa. Thread height gauge. 2,271,217; Jan. 27.
Allen, Rosslyn C. (See Allen, Charles H. and R. C.)
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,270,840; Jan. 27.
Allen, Wallace T. (See Jackson, J. G., and Allen.)
Alliance Manufacturing Company. (See Schneider, Emmor V., assignor.)
Alpaugh, George L. (See Wilkes, G., MacFadyen, Rice, and Alpaugh.)
Altenburger, Clarence L., Dearborn, assignor to Great Lakes Steel Corporation, Ecorse, Mich. Making nonaging steel. 2,271,242; Jan. 27.
Aluminum Company of America. (See Fortescue, J. E., and Greer, assignors.)
American Bemberg Corporation. (See Hoelkeskamp, F., and Knehe, assignors.)
American Bemberg Corporation. (See von Wyss, G., Biffi, Franchetti, Sellner, and Luchtenberg, assignors.)
American Brake Shoe & Foundry Company, The. (See Browne, Lindsay H., assignor.)
American Can Company. (See Felber, John, assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Car and Foundry Company. (See Clade, Robert, assignor.)
American Car and Foundry Company. (See Joy, Robert W., assignor.)
American Decalcomania Company. (See Braverman, Jack, assignor.)
American Firstoline Corporation. (See Blomberg, Albrecht and H., assignors.)
American Lurgi Corporation. (See Herbert, Wilhelm, assignor.)
American Machine & Foundry Company. (See Arelt, Charles, assignor.)
American Securit Company, The. (See Long, Bernard, assignor.)
American Securit Company, The. (See Monnet, Georges, assignor.)
American Steel Foundries. (See Kinne, E. P., and Kayler, assignor.)
American Steel Foundries. (See Light, David M., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Lloyd, Elmer J., assignor.)
American Steel and Wire Company of New Jersey, The. (See Statz, J., and Swift, assignors.)
American Viscose Corporation. (See McDermott, Henry J., assignor.)
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Buckle. 2,271,471; Jan. 27.
Anderson, Clarence T. (See Dean, R. S., and Anderson.)
Anderson, Oscar J., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,270,860; Jan. 27.
Anderson, Oscar J., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,270,861; Jan. 27.
Anemostat Corporation of America. (See Honerkamp, Friedrich, assignor.)
Appleton, William A., Wembley, England, assignor to Radio Corporation of America. Electrical remote control system. 2,270,917; Jan. 27.
Applied Arts Corporation. (See Hendricks, Cornelius, assignor.)
Applied Chemicals, Inc. (See Leprestre, Rene, assignor.)
Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Tobacco feed for cigarette machines. 2,270,862; Jan. 27.
Aridor Company, The. (See Peck, Robert G., Jr., assignor.)
Arnold, Harold W., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Three component interpolymers. 2,271,384; Jan. 27.
Asbury, Ray W. (See Briegel, T. W., and Asbury.)
Ash, Charles S., Milford, Mich. Dual wheel vehicle. 2,270,918; Jan. 27.
Ash, Charles S., Milford, Mich. Braking means for dual wheels. 2,270,919; Jan. 27.
Asselin, Arthur N., Fall River, Mass. Flush valve. 2,270,989; Jan. 27.
Associated Electric Laboratories, Inc. (See Mullerheim, Kurt, assignor.)
Associated Telephone & Telegraph Company. (See Rayner, T. R., and Maring, assignors.)
Atlantic Refining Company, The. (See Goldsmith, Lester M., assignor.)
Augustine, John D. (See Marks, A. A., and Augustine.)
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic File & Index Co. (See Houston, E. R., Dachlet, and Hauser, assignors.)
Automotive Products Company Limited. (See Parker, Sydney M., assignor.)
Autopoint Company. (See Deli, F. C., Petau, and Woods, assignors.)
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,271,240; Jan. 27.
Aviation Manufacturing Corporation. (See Lampton, Glen T., assignor.)
Bachle, Carl F., Grosse Pointe, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Engine. 2,270,990; Jan. 27.
Backhaus, Georg. (See Wagner, H., Backhaus, and Gropler.)
Backhaus, Georg, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Arrangement for exhausting and discharging air from and into the skin layer. 2,270,920; Jan. 27.
Badenhausen, John P., assignor of one-half to Day and Zimmerman, Incorporated, Philadelphia, Pa. System for burning bark. 2,271,157; Jan. 27.
Bagno, Samuel J. A. M., assignor to Kurman Electric Co., New York, N. Y. Meter. 2,270,991; Jan. 27.
Baker Castor Oil Company (See Colbeth, Ivor M., assignor.)
Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 2,271,472; Jan. 27.
Balle, Gerhard. (See Orthner, L., Balle, and Dittus.)
Banks, Carl C., et al. (See McDermott, Howard N., assignor.)
Bard, Francis N. (See Charles, Carl L., assignor.)
Barker, Edmund G., Melbourne, Victoria, Australia. Carton and carton blank. 2,271,243; Jan. 27.
Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxidation of hydrogen chloride. 2,271,056; Jan. 27.
Bamag-Meguin Aktiengesellschaft. (See Rudbach, Wolfgang, assignor.)
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,270,863; Jan. 27.
Barr and Stroud, Limited. (See Strang, J. M., and Foster, assignors.)
Barrans, William T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Retractile conductor cord and making such a cord. 2,271,057; Jan. 27.
Bartels, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Vibrator. 2,270,921; Jan. 27.
Baudisch, Friedrich, Vienna, Germany. Decomposing maize straw for textile purposes. 2,271,218; Jan. 27.
Baumert, Anthony T. (See Reitzel, C. R., and Baumert.)

Baxter, Howard F., Grand Rapids, Mich., and R. T. Baxter, Milwaukee, Wis., assignors to Baxter Laundries Corporation, Grand Rapids, Mich. Receptacle. 2,271,284; Jan. 27.
Baxter, Robert T. (See Baxter, Howard F. and R. T.)
Baxter Laundries Corporation. (See Baxter, Howard F. and R. T., assignors.)
Bayston, John R. (See Ross, William F., assignor.)
Beardsell, Allyn C., East Orange, N. J., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Display box. 2,271,244; Jan. 27.
Bechmann, Rudolf, and W. Schneider, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Piezo-electric crystal holder. 2,270,922; Jan. 27.
Becker, Sam B., Chicago, and E. A. Johnson, Park Ridge, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion with suspended catalysts. 2,271,148; Jan. 27.
Becker, Wilhelm. (See Murke, H., and Becker.)
Beier, Paul H. (See Erdle, R. W., Soller, and Beier.)
Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
Bell Telephone Laboratories, Incorporated. (See Abbott, H. H., Bowne, and Tradup, assignors.)
Bell Telephone Laboratories, Incorporated. (See Eckardt, Helmuth, assignor.)
Bell Telephone Laboratories, Incorporated. (See Edson, James O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Halligan, C. W., and Holden, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kannenberg, Walter F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See McSkimin, Herbert J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vieth, Leonard, assignor.)
Benjamin, Erik. (See Sobek, Paul, assignor.)
Bennett, James A. J., Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa. Rotative winged aircraft. 2,271,473; Jan. 27.
Berkman, Herbert A., Chicago, Ill., assignor to Zein Manufacturing Company. Cylinder dressing tool. 2,270,854; Jan. 27.
Berkshire Knitting Mills. (See Sheeler, William E., assignor.)
Bernardon, Marcellin E. R., assignor to Societe Anonyme des Pneumatiques Dunlop, Paris, France. Tractor or other vehicle wheel. 2,271,360; Jan. 27.
Bernstein, Louis S. (See Gibson, N. R., and Bernstein.)
Besser, Heinz. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voigt.)
Best, Robert B., Great Neck, N. Y. Take-off slide. 2,271,385; Jan. 27.
Biedermann, Robert, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Manufacture of tanning substances. 2,271,245; Jan. 27.
Biffi, Ferdinando. (See von Wyss, G. Biffi, Franchetti, Sellner, Luchtenberg, assignors.)
Bigelow-Sanford Carpet Co. Inc. (See Blom, Conrad C., assignor.)
Billingsley, Alva, Lamesa, Tex. Livestock feeder. 2,270,992; Jan. 27.
Billingsley, William F. (See Hull, R. J., and Billingsley.)
Binks Manufacturing Company. (See Sanborn, Frank E., assignor.)
Binns, William, Bradford, England, assignor to Bintex, Limited Leeds, Yorkshire, England. Making rubber cushion material. 2,271,058; Jan. 27.
Bintex, Limited. (See Binns, William, assignor.)
Bird, George H., Brooklyn, N. Y. Display reel. 2,271,326; Jan. 27.
Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Nonvibrating pull for radios and the like. 2,270,923; Jan. 27.
Björksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Fade resistant printed or dyed matter. 2,271,112; Jan. 27.
Blair, Frank P., Chicago, Ill. Filter. 2,270,924; Jan. 27.
Blais, Emilien, commonly known as E. Blair, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Heat exchanger. 2,270,864; Jan. 27.
Blanchard, Joseph E. (See Sample, J. M., and Blanchard.)
Blaski, John F., Chicago, Ill. Metal trussless roof. 2,271,451; Jan. 27.
Blom, Conrad C., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Stop motion. 2,271,178; Jan. 27.
Blomberg, Albrecht and H., Berlin, Germany, assignors to American Firstoline Corporation, New York, N. Y. Producing light shades. 2,271,179; Jan. 27.
Blomberg, Hermann. (See Blomberg, Albrecht and H.)
Bock, Louis H., and A. L. Houk, assignors to Röhm & Haas Company, Philadelphia, Pa. Wash fastness of sizes with chloral addition products. 2,270,841; Jan. 27.
Booth, J. R. Limited. (See Hyman, Howard D., assignor.)
Booth, Tom A., assignor to Stein & Atkinson Limited, London, England. Furnace. 2,271,168; Jan. 27.
Boothe, John W. (See Platt, D., and Boothe.)
Booton, John H. (See Booton, William E. and J. H., and Stretton.)
Booton, W. E., Limited. (See Booton, William E. and J. H., and Stretton, assignors.)
Booton, William E., J. W. K. Stretton, and J. H. Booton, assignors to W. E. Booton Limited, Leicester, England. Knitting machine. 2,271,386; Jan. 27.
Borden Company, The. (See Corwin, J. F., and White, assignors.)
Borgward, Carl F. W., Bremen, Germany. Motor vehicle body. 2,271,246; Jan. 27.
Borg-Warner Corporation. (See Harris, Cleo, assignor.)
Boston Wire Stitcher Company. (See Gambao, Joseph M., assignor.)
Böttner, Carl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Control mechanism for power operated gear shifting apparatus. 2,271,169; Jan. 27.
Boulton, Berthoud C., Towson, and C. E. Roberts, Joppa, assignors to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,271,059; Jan. 27.
Bowman, Reginald G. (See Johnson, G. E., Bowman, and Knox.)
Bowne, Langford J. (See Abbott, H. H., Bowne, and Tradup.)
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Boys, Clyde H., Drexel Hill, Pa., assignor to Hercules Powder Company, Wilmington, Del. Shoe finding. 2,271,474; Jan. 27.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,271,113; Jan. 27.
Bracke, Robert F., Chicago, Ill. Supplying combustible mixtures to internal combustion engines. 2,271,114; Jan. 27.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,271,115; Jan. 27.
Bracke, Robert F., and C. W. Spohr, Chicago, Ill. Carburetor. 2,271,116; Jan. 27.
Bratek, Frank B. (See Hartanov, A. S., and Bratek.)
Braun, G. A., Inc. (See Hirsch, H., and Rees, assignors.)
Braverman, Jack, assignor to American Decalcomania Company, Inc., Chicago, Ill. Decalcomania and the like. 2,271,413; Jan. 27.
Brewer, Nathaniel, Lansdowne, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,271,493; Jan. 27.
Bridges, Frank R., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signal apparatus. 2,270,925; Jan. 27.
Briegel, Theodore W., and R. W. Ashbury, Galva, Ill. Fitting. 2,270,926; Jan. 27.
Briggs & Stratton Corporation. (See Stuckert, Felix J., assignor.)
Brill, J. G., Company, The. (See Browne, Andrew T., assignor.)
British Oxygen Company Limited, The. (See Schuftan, Paul M., assignor.)
Brown, Gerald G. (See Cardwell, H. W., and Brown.)
Brown, Gerald G., and H. Davidson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Oil field hoisting brake system. 2,271,247; Jan. 27.
Browne, Andrew T., Lansdowne, assignor to The J. G. Brill Company, Philadelphia, Pa. Heating and ventilating system. 2,271,158; Jan. 27.
Browne, Lindsay H., Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company. Rotary seal. 2,270,927; Jan. 27.
Browne, Lindsay H., Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company. Shaft seal. 2,270,928; Jan. 27.
Brugger, Delwin A., Los Angeles, Calif. Packing and cushioning element. 2,271,180; Jan. 27.
Brun, Albert R., Caracus, Venezuela. Warning device for typewriters. 2,271,414; Jan. 27.
Brunke, Fritz, Berlin-Reinickendorf, and W. Koch, Glienicke Nordbahn, Germany, assignors to General Electric Company. Dry plate element and producing the same. 2,271,219; Jan. 27.
Brunn, Robert B. J., Chicago, Ill., assignor to Hazeltine Corporation. Rectifier system. 2,271,181; Jan. 27.
Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Calculating machine. 2,271,248; Jan. 27.
Bryce, James W., Bloomfield, N. J., and G .F. Daly, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying and accounting machine. 2,271,249; Jan. 27.
Bryce, William H., Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex. Moistureproofing composition. 2,271,492; Jan. 27.
Buchholz, Fedor E., Georgetown, Tex. Bin equipment. 2,271,250; Jan. 27.
Buck, Walter B., Newport, N. C. Buckle for belts. 2,271,251; Jan. 27.
Buckeye Steel Castings Company, The. (See Moeller, Harry A., assignor.)
Budd, Edward G., Manufacturing Company. (See Schäfer, Kurt, assignor.)
Bügel, Roelof D. (See Goede, P., Scheerman, van Bruggen, Verwey, and Bügel.)

Bugg, Kenly C., Fort Wayne, Ind. Tool. 2,270,929; Jan. 27.
Bunsen Incorporated. (See Hupfer, Julius H., assignor.)
Buschbeck, Werner, and H. Zumbusch, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for electrically coupling an unbalanced load with a symmetrical voltage source or vice versa. 2,271,182; Jan. 27.
Bushell, Frank T., assignor to R. Malcom, Chicago, Ill. Ophthalmic mounting. 2,270,855; Jan. 27.
Bussert, Frank R., Chicago, Ill. Putty knife. 2,271,285; Jan. 27.
Byers, John R., Jr. (See Dickey, J. B., and Byers.)
California Machinery & Supply Co. (See Vanderpoel, A. G. H., and Ostling, assignors.)
Cameron, Hugh J., assignor to Marbon Corporation, Gary, Ind. Production of purified cyclorubber derivatives. 2,270,930; Jan. 27.
Carbide and Carbon Chemicals Corporation. (See Schuh, Charles H., assignor.)
Cardwell, Harland W., and G. G. Brown, assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Drum clutch. 2,271,252; Jan. 27.
Cardwell Manufacturing Company. (See Brown, G. G., and Davidson, assignors.)
Cardwell, Manufacturing Company. (See Cardwell, H. W., and Brown, assignors.)
Carnarius, Clarence L., Peoria, Ill. Journal box packing holder. 2,271,117; Jan. 27.
Carnegie-Illinois Steel Corporation, et al. (See Schlötter, Max, assignor.)
Carpenter, Frank B., Jr., and W. K. Enos, Charleston, S. C., assignors to Virginia-Carolina Chemical Corporation, Richmond, Va. Production of anhydrous monocalcium phosphate. 2,271,361; Jan. 27.
Carrier Engineering Company Limited. (See Sainty, Christopher L., assignor.)
Carroll, Elbert H., West Boylston, Mass. Ski harness. 2,271,452; Jan. 27.
Caruolo, Ilerio L., Johnston, R. I. Rinsing apparatus. 2,271,118; Jan. 27.
Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Oiltight seal for flexible couplings. 2,271,060; Jan. 27.
Castillo, Cirilo C., Los Angeles, Calif. Truck drive. 2,271,061; Jan. 27.
Celanese Corporation of America. (See Lyem, Arthur, assignor.)
Chandler & Price Company, The. (See Jirousek, Joseph F., assignor.)
Charles, Carl L., Winnetka, assignor, by mesne assignments, to F. N. Bard, Highland Park, Ill. Swivel joint. 2,271,387; Jan. 27.
Checker Cab Manufacturing Corporation. (See Tuttle, John H., assignor.)
Chemical Marketing Company Inc. (See Kaufmann, E., and Truthe, assignors.)
Chemical Marketing Company Inc. (See Nagel, K., and Koenig, assignors.)
Cheshier, William L., Indianapolis, Ind. Strainer structure. 2,271,286; Jan. 27.
Chicago Development Company. (See Dean, R. S., and Anderson, assignors.)
Chicago Flexible Shaft Company. (See Koci, Ludvik J., assignor.)
Chirgwin, Frederick H., Los Angeles, Calif., assignor to B. F. Sturtevant Company, Boston, Mass. Air nozzle. 2,271,327; Jan. 27.
Christmann, Friedrich. (See Pier, M., and Christmann.)
Chromogen, Incorporated. (See Caspar, Béla, assignor.)
Chrysler Corporation. (See Conlon, Frank B., assignor.)
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Valve lock and wrench. 2,271,475; Jan. 27.
Clark, James R., assignor to G. C. Gilley, Appalachia, S. H. Rivers, Calvin, and J. H. Hagy, Imboden, Va. Safety switch. 2,270,993; Jan. 27.
Clark Thread Company, The. (See Shepherd, Thomas L., assignor.)
Cleveland Pneumatic Tool Company, The. (See Hutchings, John H., assignor.)
Cleveland Tractor Company, The. (See Heaslet, James G., assignor.)
Cleveland Welding Company, The. (See Mueller, Homer L., assignor.)
Clifford Manufacturing Co. (See Woods, John E., assignor.)
Clifford Manufacturing Co. (See McMahon, Joseph J., assignor.)
Cohn, Harold S., Jacksonville, Fla. Vending apparatus. 2,271,476; Jan. 27.
Cohn, Louis I., Philadelphia, Pa. Bedspring. 2,271,388; Jan. 27.
Corhart Refractories Company. (See Field, Theodore E., assignor.)
Corhart Refractories Company. (See Fulcher, G. S., and Field, assignors.)
Colbeth, Ivor M., East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y. Continuous process of saponification. 2,270,856; Jan. 27.
Cole, Frank O., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burning apparatus. 2,270,994; Jan. 27.
Columbus Auto Parts Company, The. (See Flumerfelt, William A., assignor.)
Columbus McKinnon Chain Corporation. (See Cotesworth, A., and Stinson, assignors.)
Columbus McKinnon Chain Corporation. (See Cotesworth, A., Stinson, and Stahl, assignors.)
Commercial Developments, Inc. (See Seiler, G. W., and Rohs, assignors.)
Commercial Ingredients Corporation. (See Dunajeff, Leonid A., assignor.)
Compare, Enzo, London, England. Magazine phonography. 2,270,995; Jan. 27.
Conlon, Frank B., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Refrigerating means for vehicles. 2,271,415; Jan. 27.
Consolidated Paper Company. (See Finn, Harry W., assignor.)
Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, M., and Schwarz, assignors.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See Kronquest, A. L., and Schmitt, assignors.)
Continental Motors Corporation. (See Jackson, Thomas, assignor.)
Conway, William A., Jr., Shamokin, Pa. Bottle closure. 2,271,253; Jan. 27.
Corcoran, Leonard C., University Heights, Ohio. Field glass holder. 2,270,931; Jan. 27.
Corey, Dane H., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,270,865; Jan. 27.
Corhart Refractories Company. (See Field, Theodore E., assignor.)
Corhart Refractories Company. (See Fulcher, G. S., and Field, assignors.)
Cornelius, Richard T., Minneapolis, Minn. Faucet. 2,270,932; Jan. 27.
Corning Glass Works. (See Gray, David E., assignor.)
Corning Glass Works. (See Shaver, William W., assignor.)
Corwin, John F., and R. C. White, Bainbridge, assignors to The Borden Company, New York, N. Y. Treated casein and process. 2,271,389; Jan. 27.
Cotesworth, Alfred, Kenmore, N. Y., and K. W. Stinson, Columbus, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Controlling means for hoists. 2,270,866; Jan. 27.
Cotesworth, Alfred, Kenmore, N. Y., K. W. Stinson, Columbus, Ohio, and F. E. Stahl, deceased, by L. M. Stahl, administratrix, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Control for hoists. 2,270,867; Jan. 27.
Courtney, Nicholas P., Englewood, N. J. Friction top can. 2,271,062; Jan. 27.
Cox, Dr. William R., et al. (See Tinker, Walter H., assignor.)
Cox, James C., Royal Oak, and S. P. Graham, Highland Park, assignors to S-M-S Corporation, Detroit, Mich. Welding electrode holder. 2,271,119; Jan. 27.
Craigon, Adam, Toronto, Ontario, Canada. Skin covered structure. 2,271,287; Jan. 27.
Crawford, Emerick B., Hamden, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Tube coupling. 2,271,159; Jan. 27.
Crawford, Harry H., Wellsburg, W. Va., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag. 2,270,842; Jan. 27.
Crebbs, Earl R., San Francisco, Calif. Dispenser. 2,271,135; Jan. 27.
Crosby Steam Gage & Valve Company. (See Smith, Norman J., assignor.)
Crowell, Alan W., Longmeadow, F. L. Merritt, West Springfield, and K. H. Pond, Longmeadow, assignors to Monarch Life Insurance Company, Springfield, Mass. Calculating machine. 2,271,328; Jan. 27.
Cuff, James E., Hinsdale, Ill. Clothesline hanger. 2,271,288; Jan. 27.
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Load compensating temperature control system. 2,271,453; Jan. 27.
Currie, William E. (See Pier, M., and Christmann, assignors.)
Dachlet, Joseph F. (See Houston, E. R., Dachlet, and Hauser.)
Dillenbach, Walter, Berlin-Charlottenburg, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Arrangement and production of endless sound films. 2,270,996; Jan. 27.
Daly, George F. (See Bryce, J. W., and Daly.)
Danker, Hugo M., Derwyn, Ill. Hopper. 2,271,170; Jan. 27.
Dannenberg, Joseph, et al., executor. (See Leprestre, Rene.)
Davidson, Harvey. (See Brown, G. G., and Davidson.)
Davies, John A. (See Perkins, G. A., and Davies.)
Davis, Blanca F., Teaneck, N. J. Method and apparatus for waving hair. 2,270,933; Jan. 27.
Davis, Edward A., Akron, and J. F. Morse, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for handling strip material. 2,271,416; Jan. 27.

Davis, Edward D., assignor to The Boye Needle Company. Chicago, Ill. Loop and stitch forming device. 2,271,477; Jan. 27.
Davis, Walter T., assignor of one-half to J. Fisher, Evanston, Ill. Iron cord holder. 2,270,997; Jan. 27.
Day and Zimmerman, Incorporated. (See Badenhausen, John P., assignor.)
Dean, Reginald S., and C. T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill. Hardened nonferrous alloys. 2,270,868; Jan. 27.
Deere & Company. (See Strandlund, Carl G., assignor.)
De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Metering valve. 2,271,183; Jan. 27.
Dell, Frank C., and E. Petau, Chicago, and F. D. Woods, Glencoe, assignors to Autopoint Company, Chicago, Ill. Mechanical pencil. 2,271,329; Jan. 27.
De Mattia, Peter, Passaic, N. J. Injection molding machine or similar press. 2,271,019; Jan. 27.
De Mattia, Peter, Passaic, N. J. Apparatus and method for the molding of plastic materials. 2,271,063; Jan. 27.
De Mol, Willem E., Amsterdam, Netherlands. Treating tubers to destroy parasites. 2,271,171; Jan. 27.
De Moss, Leonard, Des Moines, Iowa, assignor to Industrial Patents Corporation, Chicago, Ill. Carcass spreader. 2,270,857; Jan. 27.
Dental Research Corporation. (See Erdle, R. W., Soller, and Beier, assignors.)
Detroit Harvester Company. (See Kost, Harold W., assignor.)
Dewhirst, Paul A. (See Hamer, Leland S., assignor.)
De Witt, David L., Baytown, Tex. Thermometer. 2,271,254; Jan. 27.
Diamond Chain & Manufacturing Company. (See Gallmore, Oliver H., assignor.)
Diamond Expansion Bolt Company. (See Pleister, Henry W., assignor.)
Di Cesare Offset Propeller Corporation. (See Di Cesare, Pierino, assignor.)
Di Cesare, Pierino, Oak Park, assignor to Di Cesare Offset Propeller Corporation, Chicago, Ill. Variable pitch propeller hub construction. 2,271,149; Jan. 27.
Dickey, Joseph B., and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compound and material colored therewith. 2,271,220; Jan. 27.
Dickieson, Edward F., Jr., Detroit, Mich. Control for refrigerating devices. 2,270,934; Jan. 27.
Dickson, Clifford C., assignor to The Fritz-Cross Company, St. Paul, Minn. Chair. 2,271,330; Jan. 27.
Dieselair Corporation. (See Dressler, Adolph C., assignor.)
Ditto, Incorporated. (See Bjorksten, Johan, assignor.)
Ditto, Marvin W., and R. F. Leftwich, assignors to Emulsions Process Corporation, New York, N. Y. Sewage treating method and apparatus. 2,270,869; Jan. 27.
Ditto, Marvin W., and R. F. Leftwich, assignors to Emulsions Process Corporation, New York, N. Y. Heat-treating materials in processes such as production of Portland cement or reduction of ores. 2,270,870; Jan. 27.
Dittus, Georg. (See Orthner, L., Balle, and Dittus.)
Dixie Wax Paper Company. (See Bryce, William H., assignor.)
Dixon, A. E., et al. (See Harris, Charles F., assignor.)
Dodson, Edward, Putney Heath, London, England. Throttle valve for carburetors and other conduits. 2,271,390; Jan. 27.
Doering, Charles, Chicago, Ill. Food package. 2,270,935; Jan. 27.
Doering, Charles, and B. J. Skoglund, Chicago, Ill.; said Skoglund assignor to said Doering. Shoe form and holder. 2,270,936; Jan. 27.
Doering, Charles, and B. J. Skoglund, Chicago, Ill.; said Skoglund assignor to said Doering. Shoe form and attachment. 2,270,937; Jan. 27.
Doescher, Joe E., Attleboro, Mass., assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,270,938; Jan. 27.
Dolph, Edward A., Newburgh, N. Y. Nipple-applying tool. 2,271,064; Jan. 27.
Donald, William P. (See Holdgate, J. C., and Donald.)
Dornier, Claude, Sr. (See Dornier, Claudius, Jr., assignor.)
Dornier, Claudius, Jr., Friedrichshafen-on-the-Bodensee, assignor of one-half to Dornier-Werke G. m. b. H., and one-half to C. Dornier, Sr., Friedrichshafen-on-the-Bodensee, Germany. Fuselage for hydroaircraft. 2,271,065; Jan. 27.
Dornier-Werke G. m. b. H. (See Dornier, Claudius, Jr., assignor.)
Dow Chemical Company, The. (See Grebe, John J., assignor.)
Dow Chemical Company, The. (See Nelson, Charles E., assignor.)
Dowinsky, Samuel, New York, N. Y. Pressing iron. 2,271,289; Jan. 27.
Drake, Lewis D., Oakland, Calif. Valve. 2,271,391; Jan. 27.
Dressler, Adolph C., assignor to Dieselair Corporation, Miami, Okla. Forced draft breather system for engines. 2,271,150; Jan. 27.
Dreyfus, Camille, New York, N. Y. Staple fiber and yarn. 2,271,184; Jan. 27.
Drotning, Henry O., and E. Koszalka, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Disengaging mechanism for spring motor drives. 2,271,221; Jan. 27.
Drycor Felt Company. (See Gates, Percival T., assignor.)
Du Bois, George B., Chevy Chase, Md. Bicycle. 2,271,255; Jan. 27.
Dull, Raymond W., La Grange, Ill. Dewatering and classifying conveyer. 2,271,417; Jan. 27.
Dunajeff, Leonid A., assignor to Commercial Ingredients Corporation, New York, N. Y. Floating submarine mine. 2,271,185; Jan. 27.
Du Pont, E. I., de Nemours & Company. (See Arnold, Harold W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pinkney, Paul S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Searle, Norman E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Watkins, William W., assignor.)
Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragm blade. 2,271,222; Jan. 27.
Eagiesfield, Charles C., Surrey, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Frequency-changing circuit. 2,271,418; Jan. 27.
Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Byers, assignors.)
Eastman Kodak Company. (See Drotning, H. O., and Koszalka, assignors.)
Eastman Kodak Company. (See Eagle, John H., assignor.)
Eastman Kodak Company. (See Lee, Charles M., assignor.)
Eastman Kodak Company. (See Nadeau, G. F., and Starck, assignors.)
Eastman Kodak Company. (See Peterson, W. D., and Evans, assignors.)
Eastman Kodak Company. (See Peterson, W. D., and Weissberger, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Weyerts, assignors.)
Eastman Kodak Company. (See Vittum, P. W., Peterson, and Porter, assignors.)
Eastman Kodak Company. (See Vokes, Howard W., assignor.)
Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Echikson, Elchanan, Newark, assignor to Pioneer Tool Co., Inc., Bloomfield, N. J. Tool. 2,271,290; Jan. 27.
Eckhardt, Albert G., St. Louis, Mo. Automatic burglar alarm. 2,271,392; Jan. 27.
Eckardt, Helmuth, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Soundproof wall. 2,270,939; Jan. 27.
Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,271,291; Jan. 27.
Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,271,223; Jan. 27.
Egan, John J., assignor of one-half to E. M. Robitscher, San Francisco, Calif. Valve construction. 2,271,419; Jan. 27.
Ehrenhaft, Viktor, Brunn, Czechoslovakia. Manufacturing hollow bodies. 2,271,066; Jan. 27.
Eldredge, Kenneth R., Berkeley, Calif. Hydrogen ion indicator. 2,271,478; Jan. 27.
Electric & Musical Industries Limited. (See Grenfell, Alexis R., assignor.)
Ellington, Alvin M., Watertown, Wis. Table leg fixture. 2,271,332; Jan. 27.
Elliott, Gordon R., Ferndale, assignor to Velvac, Inc., Detroit, Mich. Valve. 2,271,331; Jan. 27.
Elmore, Elbert E., Tinley Park, assignor, by mesne assignments, of one-half to G. C. Elmore, Chicago, and one-half to M. Elmore, Tinley Park, Ill. Heater. 2,270,940; Jan. 27.
Elmore, Grover C., et al. (See Elmore, Elbert E., assignor.)
Elmore, Margaret, et al. (See Elmore, Elbert E., assignor.)
Emulsions Process Corporation. (See Ditto, M. W., and Leftwich, assignors.)
Enos, Wilbur K. (See Carpenter, F. B., and Enos.)
Erdle, Reiner W., Chicago, Ill., H. Soller, Brooklyn, N. Y., and P. H. Beier, assignors to Dental Research Corporation, Chicago, Ill. Forming a reproduction of an article. 2,271,454; Jan. 27.
Esmond Mills, Inc., The. (See Whitman, Harold C., assignor.)
Esval, Orland E. (See Hanson, G. N., and Esval.)
Esval, Orland E., Allendale, and C. A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Alternating current coercing means for gyroscopes. 2,270,876; Jan. 27.
Evans, Ralph M. (See Peterson, W. D., and Evans.)
Fabcrete Corporation. (See Hines, Joseph E., assignor.)
Falk Corporation, The. (See Schmitter, W. P., and Schwartz, assignors.)

Farmers Incorporated. (See Hunt, Sylvester H., assignor.)
Farrell, John D., Nunda, N. Y., assignor to Adnun Engineering Corporation, Wilmington, Del. Heated cutter bar for road pavers. 2,271,333; Jan. 27.
Ferro Stamping & Manufacturing Company. (See Gould, Floyd G., assignor.)
Faulhaber Company, The. (See Faulhaber, Roland W., assignor.)
Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Saddle clamp. 2,271,256; Jan. 27.
Federal Laboratories, Inc. (See Weinert, Carl R., assignor.)
Felber, John, Hillside, N. J., assignor to American Can Company, New York, N. Y. Feeding device. 2,270,871; Jan. 27.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Feuchter, Charles F. (See Ruthruff, R. F., and Feuchter.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Flad, A., and Schimann, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechter mit beschränkter Haftung. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voight, assignors.)
Field, Theodore E. (See Fulcher, G. S., and Field.)
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Refractory alkaline earth chromite casting. 2,271,362; Jan. 27.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Refractory ferrous chromite casting. 2,271,363; Jan. 27.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Refractory chromite casting. 2,271,364; Jan. 27.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Refractory ferrous chromite-alumina casting. 2,271,365; Jan. 27.
Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory product. 2,271,366; Jan. 27.
Fiellitz, Willi, Blankenfelde, K. Teltow, and A. Schlindwein, Berlin-Siemenstadt, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Transmitter or receiver of the motor-like type. 2,270,999; Jan. 27.
Fina, Valentine, and W. F. Hoelzer, assignors to Milwaukee Valve Company, Milwaukee, Wis. Gasoline nozzle. 2,271,151; Jan. 27.
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Short dot generator. 2,271,186; Jan. 27.
Fink, Henry W. (See Will, C. H., and Fink.)
Finn, Harry W., assignor to Consolidated Paper Company, Monroe, Mich. Container. 2,271,455; Jan. 27.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Toe rest for shoe machines. 2,270,941; Jan. 27.
Firestone Tire & Rubber Company, The. (See Hale, J. E., and Hargraves, assignors.)
Firestone Tire & Rubber Company, The. (See Runals, William T., assignor.)
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Fischer, Philip, Chicago, Ill. Stereopticon slide. 2,270,942; Jan. 27.
Fisher, John H., Jersey City, assignor to Solar Manufacturing Corporation, Bayonne, N. J. Condenser analyzer. 2,271,292; Jan. 27.
Fisher, Joseph. (See Davis, Walter T., assignor.)
Flad, Artur, Berlin, and E. Schimann, Berlin-Spandau, assignors to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Switch mechanism. 2,271,420; Jan. 27.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Ball and socket joint. 2,271,293; Jan. 27.
Folmer Graflex Corporation, The. (See Jacobson, Irving, assignor.)
Ford, Elise, New York, N. Y. Artist's palette. 2,271,294; Jan. 27.
Forstner Chain Corporation. (See Schoeninger, Adolf O., assignor.)
Fortescue, John E., Alcoa, and H. H. Greer, Maryville, Tenn., assignors to Aluminum Company of America, Pittsburgh, Pa. Sheet handling apparatus. 2,271,187; Jan. 27.
Fortune, Henry J., Swindon, assignor to The Garrard Engineering & Manufacturing Company Limited, Swindon, Wiltshire, England. Record changing apparatus for phonographs and the like. 2,271,001; Jan. 27.
Fosdick, Robert E., Dayton, Ohio. Lens grinding machine. 2,271,334; Jan. 27.
Fosnaugh, George S., Compton, Calif. Sand separator for deep wells. 2,271,002; Jan. 27.
Foster, Claud. (See Strang, J. M., and Foster.)
Franchetti, Piero. (See von Wyss, G., Biffi, Franchetti, Sellner, and Luchtenberg.)
Franseen, Maybelle M., Mayville, Wis. Display case. 2,271,003; Jan. 27.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material dispensing apparatus. 2,271,188; Jan. 27.
Fraulo, Alfonso. (See Varley, E. V., and Fraulo.)
Freeman Daughaday Company. (See Schupbach, Rene M., assignor.)
Freunel, Fritz, and H. Rosenthal, Dessau, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Hydraulic system. 2,270,943; Jan. 27.
Frey, Frederick E. (See Morey, G. H., and Frey.)
Frick, Carl E., assignor to Van Cleef Bros., a partnership consisting of N., F., and P. Van Cleef, Chicago, Ill. Stencil. 2,270,944; Jan. 27.
Frick, Carl E., assignor to Van Cleef Bros., Chicago, Ill., a partnership consisting of N., F., and P. Van Cleef. Sandblasting stencil and making same. 2,270,945; Jan. 27.
Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Ejecting mechanism for headers. 2,271,257; Jan. 27.
Frische, Carl A. (See Esval, O. E., and Frische.)
Fritz-Cross Company, The. (See Dickson, Clifford C., assignor.)
Fruns, José, Mexico City, Mexico. Knotter for neckties. 2,271,067; Jan. 27.
Fulcher, Gordon S., Chevy Chase, Md., and T. E. Field, assignors to Corhart Refractories Company, Louisville, Ky. Refractory zirconia casting. 2,271,367; Jan. 27.
Fulcher, Gordon S., Chevy Chase, Md., and T. E. Field, assignors to Corhart Refractories Company, Louisville, Ky. Cast refractory. 2,271,368; Jan. 27.
Fulcher, Gordon S., Chevy Chase, Md., and T. E. Field, assignors to Corhart Refractories Company, Louisville, Ky. Refractory zirconia-alumina casting. 2,271,369; Jan. 27.
Fullman, James M. G. (See Robinson, W. C., and Fullman.)
Fulton, Nell L., New York, N. Y. Ornamental key hold for handbags. 2,271,393; Jan. 27.
Gallamore, Oliver H., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chain. 2,270,858; Jan. 27.
Gambao, Joseph M., East Greenwich, assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying device. 2,271,479; Jan. 27.
Gamewell Company, The. (See Bridges, Frank R., assignor.)
Gardner, Cummings, Los Angeles, Calif., assignor to Rotomotor Corporation, Washington, D. C. Engine. 2,271,068; Jan. 27.
Garrard Engineering & Manufacturing Company Limited, The. (See Fortune, Henry J., assignor.)
Garrard Engineering & Manufacturing Company Limited, The. (See Slade, H. V., and Offen, assignors.)
Garthwait, Helen M., as administratrix. (See Garthwait, Ralph D., assignor.)
Garthwait, Ralph D., deceased, by H. M. Garthwait, administratrix, assignor to H. M. Garthwait, Waterbury, Conn. Suspending cap for broom handles and the like. 2,271,189; Jan. 27.
Garvey, Benjamin S. (See Juve, A. E., and Garvey.)
Gaspar, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Manufacture of color photographic images. 2,271,176; Jan. 27.
Gates, Percival T., Montclair, assignor to Drycor Felt Company, Belleville, N. J. Belting for use as paper felt, industrial felt, pulp felt, drier felt, and the like. 2,271,295; Jan. 27.
Gebrueder Sulzer, Aktiengesellschaft. (See Moessinger, Albert, assignor.)
Geiger, Ralph I., Los Angeles, Calif. Fisherman's rig and accessories. 2,271,136; Jan. 27.
Geiger, Ralph I., Los Angeles, Calif. Reel clip. 2,271,335; Jan. 27.
Geigy, J. R., A. G. (See Biedermann, Robert, assignor.)
General Electric Company. (See Brunke, F., and Koch, assignors.)
General Electric Company. (See Edwards, Martin A., assignor.)
General Electric Company. (See Roder, Hans, assignor.)
General Electric Company. (See Sauer, Bruno, assignor.)
General Electric Company. (See Schröter, Erich, assignor.)
General Electric Company. (See Smith, H. A., and Jackson, assignors.)
General Fireproofing Company, The. (See Reitzel, C. R., and Baumert, assignors.)
General Motors Corporation. (See Wilson, Ernest E., assignor.)
Gerndt, Charles J., Rockville Centre, assignor to Solo-Horton Brush Co., Inc., New York, N. Y. Bridle brush. 2,271,494; Jan. 27.
Giaimo, Charles V., Irvington, N. J. Cane, walking stick, or the like. 2,271,190; Jan. 27.
Gibson, Norman R., Lewiston, and L. S. Bernstein, assignors to The Niagara Falls Power Company, Niagara Falls, N. Y. Hydraulic pressure system. 2,271,480; Jan. 27.
Gilley, G. C., et al. (See Clark, James R., assignor.)

Gits, Joseph A., assignor to Gits Molding Corporation, Chicago, Ill. Flashlight. 2,271,421; Jan. 27.

Gits Molding Corporation. (See Gits, Joseph A., assignor.)

Goddard, Robert H., Roswell, N. Mex. Parachute attachment for aircraft. 2,271,224; Jan. 27.

Goede, Pieter, L. T. Scheerman, M. G. van Bruggen, E. J. W. Verwey, and R. D. Bügel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Making ceramic insulators. 2,270,872; Jan. 27.

Goldrich, Phillip S., New York, N. Y. Screen wardrobe. 2,271,069; Jan. 27.

Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Bearing mounting. 2,271,336; Jan. 27.

Goodrich, B. F., Company, The. (See Davis, E. A., and Morse, assignors.)

Goodrich, B. F., Company, The. (See Hull, R. J., and Billingsley, assignors.)

Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)

Goodrich, B. F., Company, The. (See Juve, Arthur E., assignor.)

Goodrich, B. F., Company, The. (See Juve, A. E., and Garvey, assignors.)

Goodrich, B. F., Company, The. (See Paddock, George A., assignor.)

Goodrich, B. F., Company, The. (See Strong, Walter J., assignor.)

Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Tire valve deflator. 2,271,310; Jan. 27.

Gordon, George H., New York, N. Y., assignor, by mesne assignments, to C. R. Leidy. Calculating device. 2,271,508; Jan. 27.

Gorham Tool Company. (See Taylor, James H., assignor.)

Gossett, Bryant W., and W. C. Lineberger, assignors to B. W. Gossett, Gastonia, N. C. Adjustable drawing frame. 2,271,191; Jan. 27.

Gould, Floyd G., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Hinge assembly. 2,271,422; Jan. 27.

Graesser, Carl H., Bridgeport, and F. H. Hopkins, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Dial instrument case. 2,271,423; Jan. 27.

Grand Rapids Store Equipment Company. (See Gross, William A., assignor.)

Graham, Steuart P. (See Cox, J. C., and Graham.)

Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Compensated two-stage hot air control system. 2,271,120; Jan. 27.

Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glassworking apparatus. 2,271,004; Jan. 27.

Great Lakes Steel Corporation. (See Altenburger, Clarence L., assignor.)

Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Subterranean boring. 2,271,005; Jan. 27.

Greer, Agnes J. R. (See Nyberg, Stone, assignor.)

Greer, Harold H. (See Fortescue, J. E., and Greer.)

Grenfell, Alexis R., Stanmore, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Deflecting circuit for cathode ray tubes. 2,271,070; Jan. 27.

Griesinger, John. (See Strike, G. N., and Griesinger.)

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Multiple discharge and venting assembly. 2,270,873; Jan. 27.

Gropler, Hans. (See Wagner, H., Backhaus, and Gropler.)

Gross, William A., Portland, Ore., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Knockdown showcase structure. 2,271,121; Jan. 27.

Gwynn, Marion H., Leonia, N. J. Activating catalytic surfaces. 2,270,874; Jan. 27.

H. & B. American Machine Company. (See Repass, George, assignor.)

Haber, Paul V., Rushville, Ill. Carrier. 2,271,071; Jan. 27.

Hadden, H. Douglas, et al., executor. (See Leprestre, Rene.)

Haegele, Otto P. (See Youngfelt, T. T., and Haegele.)

Hagenmüller, Friedrich, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Gas engine. 2,271,006; Jan. 27.

Hagy, J. H., et al. (See Clark, James R., assignor.)

Hale, James E., Akron, and A. Hargraves, Silver Lake, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 2,271,337; Jan. 27.

Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener and snap fastener installation. 2,271,495; Jan. 27.

Haller, Herbert L. J. (See Smith, L. E., and Haller.)

Halligan, Clair W., New York, and W. H. T. Holden, Long Island City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,271,072; Jan. 27.

Halstenbach, Messrs., & Co. (See Treckmann, H., and Rosenkranz, assignors.)

Hamer, Leland S., assignor of one-third to P. A. Dewhirst, Los Angeles, and one-sixth to V. Zillgitt, Long Beach, Calif. Valve seat. 2,271,137; Jan. 27.

Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Line blind. 2,271,138; Jan. 27.

Hamlin, Chauncey J., Jr., Buffalo, N. Y. Collapsible boat. 2,271,338; Jan. 27.

Hankins, James W. (See Kees, D., and Hankins.)

Hanna, Flem C., Charleston, W. Va. Brake table with chair operator. 2,271,007; Jan. 27.

Hanson, Edna. (See Nelson, Clarence D., assignor.)

Hanson, Gerald N., and O. E. Esval, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical and automatic pilot for aircraft. 2,270,875; Jan. 27.

Harding, Brooks B., Freeport, N. Y. Iron with illuminating device. 2,271,371; Jan. 27.

Hargrave, John G., Kings Langley, and D. C. Williams, London, England. Course-indicating apparatus for vehicles. 2,271,296; Jan. 27.

Hargraves, Albert. (See Hale, J. E., and Hargraves.)

Harris, Charles F., assignor of one-half to A. E. Dixon, R. M. Olive, and C. E. Rankin, Fayetteville, N. C. Insurance vendor 2,271,073; Jan. 27.

Harris, Cleo, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Furnace. 2,271,424; Jan. 27.

Harris, Cleo, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Coupling. 2,271,425; Jan. 27.

Harry, Robert J., Alliance, Ohio. Hoist crane construction. 2,271,426; Jan. 27.

Harry, Robert J., Alliance, Ohio. Hoist crane construction. 2,271,427; Jan. 27.

Harry, Robert J., Alliance, Ohio. Hoist crane construction. 2,271,428; Jan. 27.

Harry, Robert J., Alliance, Ohio. Hoist crane construction. 2,271,429; Jan. 27.

Harry, Robert J., Alliance, Ohio. Hoist crane construction. 2,271,430; Jan. 27.

Hartanov, Andrew S., and F. B. Bratek, assignors to Industrial Patents Corporation, Chicago, Ill. Meat chilling method and apparatus. 2,271,481; Jan. 27.

Hartford National Bank and Trust Company, as trustee. (See Goede, P., Scheerman, van Bruggen, Verwey, and Bügel, assignors.)

Hartford National Bank and Trust Company, as trustee. (See Snoek, Jacob L., assignor.)

Hartgering, John M., and C. M. Perkins, assignors to Palmer-Bee Company, Detroit, Mich. Rotary counter balance. 2,270,843; Jan. 27.

Hauser, Joseph L. (See Houston, E. R., Dachlet, and Hauser.)

Hawkinson, Paul E., Company. (See Hawkinson, Paul E., assignor.)

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire repair plug. 2,271,339; Jan. 27.

Hayes, Thomas E., assignor to A. Lard, Washington, D. C. Paper money counter. 2,271,394; Jan. 27.

Hazeltine Corporation. (See Brunn, Robert B. J., assignor.)

Hazeltine Corporation. (See Okrent, Jasper J., assignor.)

Hazeltine Corporation. (See Wheeler, Harold A.)

Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Rear sprocket wheel for crawler tractors. 2,271,172; Jan. 27.

Hedlund, William T., New Rochelle, assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,270,844; Jan. 27.

Heen, Eirik. (See Minde, Hjalmar, assignor.)

Hefferman, James G., Mechanicville, N. Y. Windshield cleaning unit. 2,271,225; Jan. 27.

Heil Co., The. (See Schutz, P., and Kuhlman, assignors.)

Heil Co., The. (See Thwaits, Frederick G., assignor.)

Heiser, Stephen O., Amsterdam, N. Y. Egg box. 2,271,008; Jan. 27.

Hellström, Birger, Karlsudd, Vaxholm, assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar wrapping mechanism. 2,271,009; Jan. 27.

Henderson, George T., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Display box. 2,271,258; Jan. 27.

Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Sign. 2,271,456; Jan. 27.

Herbert, Wilhelm, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Synthesizing hydrocarbons. 2,271,259; Jan. 27.

Hercules Powder Company. (See Boys, Clyde H., assignor.)

Hercules Powder Company. (See Hofmann, R., and Mank, assignors.)

Hercules Powder Company. (See Lorand, Eugene J., assignor.)

Herman, Francis J., Youngstown, Ohio, W. F. McGarrity, Hillcrest, Pa., and L. D. Woodworth, Youngstown, Ohio. Treating strip metal. 2,271,372; Jan. 27.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber. 2,271,122; Jan. 27.

Herzog, Eugene, Dayton, Ohio. Inductor alternating current generator. 2,270,877; Jan. 27.

Herzog, Louis, assignor of one-half to J. Miller, Brooklyn, N. Y. Bedspring lifting device. 2,271,457; Jan. 27.

Hestermann, Walter, Jersey City, assignor to White Metal Manufacturing Company, Hoboken, N. J. Protective lining for metal containers. 2,270,845; Jan. 27.

Higgin Products, Inc. (See Swormstedt, Frank W., assignor.)

Hinde & Dauch Paper Company, The. (See Beardsell, Allyn C., assignor.)

Hinde & Dauch Paper Company, The. (See Henderson, George T., assignor.)

Hinde and Dauch Paper Company, The. (See Kirby, John S., assignor.)

Hines, Joseph E., Kensington, Md., assignor to Fabcrete Corporation, Richmond, Va. Building construction. 2,270,846; Jan. 27.

Hinz, Gerhard, Berlin-Schoneberg, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J. Treating plastic sheets. 2,271,192; Jan. 27.

Hirsch, Henry, Jersey City, N. J., and F. G. Rees, Meriden, Conn., assignors to G. A. Braun, Inc., Chicago, Ill. Laundry marking pin holder. 2,271,297; Jan. 27.

Hirtenstelner, Walter E., Inglewood, Calif., assignor to Interstate Aircraft and Engineering Corp. Rib stitching clip. 2,270,878; Jan. 27.

Hoe, R. & Coe, Inc. (See Huck, William F., assignor.)

Hoelkeskamp, Franz, and E. Kneche, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Recovering copper from copper sludge derived from waste industrial liquors containing lime and cellulose. 2,271,482; Jan. 27.

Hoelzer, William F. (See Fina, V., and Hoelzer.)

Hoffer, Max. (See Wuest, H. M., and Hoffer.)

Hoffman Beverage Company. (See Schnutzer, C., and Manrodt, assignors.)

Hoffmann-La Roche, Inc. (See Wuest, H. M., and Hoffer, assignors.)

Hofman, Wincenty, South Chicago, Ill. Furniture support. 2,271,496; Jan. 27.

Hofmann, Alfred, Inc. (See Lang, Lena, assignor.)

Hofmann, Rudolf, and H. Mank, Dormagen, Germany, assignors to Hercules Powder Company, Wilmington, Del. Removal of cellulose esters from precipitation vessels. 2,271,074; Jan. 27.

Hohmann, August B., New York, N. Y. Industrial thermometer. 2,271,193; Jan. 27.

Holden, William H. T. (See Halligan C. W., and Holden.)

Holdgate, John C., and W. P. Donald, assignors to The Wean Engineering Company, Inc., Warren, Ohio. Coil holder. 2,271,139; Jan. 27.

Holland Company. (See Wulff, Cal W., assignor.)

Honerkamp, Friedrich, New York, N. Y., assignor to Anemostat Corporation of America. Ventilating apparatus. 2,271,010; Jan. 27.

Hopkins, Frank H. (See Graesser, C. H., and Hopkins.)

Hopkins, Robert C., Alliance, Ohio. Hydraulic blending machine. 2,270,946; Jan. 27.

Horsley, Caperton B., assignor, by mesne assignments, to Sutton-Horsley Company Limited, Toronto, Ontario, Canada. X-ray transformer housing. 2,271,260; Jan. 27.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Can opening device. 2,270,879; Jan. 27.

Hough, William J., Chicago, Ill. Core oil. 2,270,947; Jan. 27.

Houk, Alva L. (See Bock, L. H., and Houk.)

Houston, Elmer R., Riverside, Ill., and J. F. Dachlet, and J. L. Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill. Latching mechanism for cabinet drawers and the like. 2,271,431; Jan. 27.

Howe, George, Greenwich, Conn. Map holder. 2,270,948; Jan. 27.

Hubbard, Deward H., Vernon, Tex. Two-stroke cycle engine. 2,271,011; Jan. 27.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate clamping mechanism for printing machines. 2,271,160; Jan. 27.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,271,298; Jan. 27.

Huhn, Fritz. (See Marsh, H. E., and Huhn.)

Hull, Raymond J., Akron, and W. F. Billingsley, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire and wheel structure. 2,271,432; Jan. 27.

Hulshizer, Joseph I., Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Connecting device. 2,271,075; Jan. 27.

Hülster, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Conductor arrangement for use with radio frequency apparatus. 2,270,949; Jan. 27.

Hunt, Guss, Francisco, Ind. Grease gun. 2,271,261; Jan. 27.

Hunt, Sylvester H., assignor to Farmers Incorporated, Norfolk, Va. Machine for and making raised bottom baskets. 2,271,395; Jan. 27.

Hupfer, Julius H., Glastonbury, assignor to Bunsen Incorporated, Hartford, Conn. Portable oil heater. 2,271,076; Jan. 27.

Hutchings, John H., Los Angeles, Calif., assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Riveting clamp. 2,271,012; Jan. 27.

Hyman, Howard D., assignor to J. R. Booth, Limited, Ottawa, Ontario, Canada. Mixing tank. 2,270,847; Jan. 27.

I. G. Farbenindustrie Aktiengesellschaft. (See Murke, H., and Becker, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., Balle, and Dittus, assignors.)

Illinois Tool Works. (See Niskanen, Karl, assignor.)

Illinois Tool Works. (See Olson, Carl G., assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Truing apparatus for abrading machines. 2,271,013; Jan. 27.

India-Rubber, Gutta Percha & Telegraphs Works Company, The. (See Tarris, F. J., and Webb, assignors.)

Industrial Patents Corporation. (See De Moss, Leonard, assignor.)

Industrial Patents Corporation. (See Hartanov, A. S., and Bratek, assignors.)

Ingersoll Milling Machine Company, The. (See Anderson, Oscar J., assignor.)

Ingersoll-Rand Company. (See Allen, Roy O., assignor.)

Ingersoll-Rand Company. (See Hulshizer, Joseph I., assignor.)

Ingwer, Carl H., Elyria, assignor to The Ridge Tool Company, North Ridgeville, Ohio. Heel jaw. 2,271,014; Jan. 27.

Ingwer, Max, Forest Hills, and W. W. Schwarz, assignors to Consolidated Sewing Machine & Supply Co. Inc. New York, N. Y. Adjustable sewing machine light. 2,271,194; Jan. 27.

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Bryce, J. W., and Daly, assignors.)

International Cellucotton Products Company. (See Williams, Eugene L., assignor.)

International Smelting and Refining Company. (See Johnson, G. E., Bowman, and Knox, assignors.)

International-Stacey Corporation. (See Tidball, John A., assignor.)

Interstate Aircraft and Engineering Corp. (See Hirtensteiner, Walter E., assignor.)

Ipatieff, Vladimir, and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,271,299; Jan. 27.

Jackson, Edward H. (See Smith, H. A., and Jackson.)

Jackson, John G., assignor to Square D Company, Detroit, Mich. Motor protective circuit breaker. 2,271,433; Jan. 27.

Jackson, John G., Detroit, and W. T. Allen, Royal Oak, assignors to Square D Company, Detroit, Mich. Circuit breaker. 2,270,950; Jan. 27.

Jackson, Thomas, Kokomo, Ind., assignor to Continental Motors Corporation, Detroit, Mich. Two-stroke cycle engine induction system. 2,271,015; Jan. 27.

Jacobson, Irving, Los Angeles, Calif., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Shutter and flash synchronizer for cameras. 2,271,340; Jan. 27.

Jeffrey, Max L., Shaker Heights, Ohio. Switch. 2,270,951; Jan. 27.

Jenkins Bros. (See Gora, Henry Z., assignor.)

Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Gauge for paper cutting and like machines. 2,270,848; Jan. 27.

Johnson, Charles S., assignor to The C. S. Johnson Company, Champaign, Ill. Portable material handling apparatus. 2,271,434; Jan. 27.

Johnson, Clarence L., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 2,271,226; Jan. 27.

Johnson, C. S., Company, The. (See Johnson, Charles S., assignor.)

Johnson, Eric R., Cranston, R. I., assignor to Welsh Manufacturing Company. Mechanical pencil. 2,271,483; Jan. 27.

Johnson, Everett A. (See Becker, S. B., and Johnson.)

Johnson, Gunnard E., Hammond, R. G. Bowman, Gary, and W. J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company, East Chicago, Ill. Electrolytic cell for producing insoluble metal salts. 2,271,341; Jan. 27.

Johnson, William V., Washington, D. C. Article holder. 2,271,262; Jan. 27.

Jones, George H., and P. D. Nielsen, Lorain, Ohio, assignors to National Tube Company. Locking bar actuating mechanism. 2,271,396; Jan. 27.

Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,271,123; Jan. 27.

Joy, Robert W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine or similar car. 2,271,195; Jan. 27.

Joyce, Robert M., Greenville, Miss. Heat exchanger apparatus. 2,271,484; Jan. 27.

Judd, H. L., Company. (See Crawford, Emerick B., assignor.)

Judisch, Carl H., assignor to The Whitney Blake Company, New Haven, Conn. Electric plug assembling machine. 2,271,077; Jan. 27.

Julien, Maurice F. A., Paris, France. Antivibrating resilient support. 2,271,016; Jan. 27.
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Backhaus, Georg, assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Freundel, F., and Rosenthal, assignors.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wagner, H., Backhaus, and Gropler, assignors.)
Juve, Arthur E., and B. S. Garvey, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Article subjected to printing ink. 2,271,124; Jan. 27.
Juve, Arthur E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Offset printing blanket. 2,271.125; Jan. 27.
Kahle, Heinrich, Pullach, near Munich, Germany. Separation of krypton and xenon from air. 2,270,880; Jan. 27.
Kannenberg, Walter F., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,271,078; Jan. 27.
Kapp, Harold V., Long Beach, Calif. Apparatus for classifying or separating fluid-borne materials. 2,271,263; Jan. 27.
Kaszab, Nicholas T., New York, N. Y. Screen for stripe-composite stereoscopic pictures. 2,271,196; Jan. 27.
Kaufmann, Erich, Oberursel, a. T., and W. Truthe, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Conversion of metals and metal alloys in finely divided form for the manufacture of dental amalgams. 2,271,264; Jan. 27.
Kayler, Frank H. (See Kinne, E. P., and Kayler.)
Keall, Oswold E., Summerseat, West Hanningfield, England, assignor to Radio Corporation of America. Feedback circuit arrangement. 2,271,197; Jan. 27.
Keeler Brass Company. (See Birdsall, Albert L., assignor.)
Kees, Daniel, Beatrice, Nebr., and J. W. Hankins, Chillicothe, Mo. Outlet box hanger. 2,271,504; Jan. 27.
Keith, Percival C., Jr. (See Roberts, G., Marshall, Wilson, and Keith.)
Keller, Arthur M. (See Weidner, W. C., and Keller.)
Kelley, Wesley J., Minneapolis, Minn. Attachment for telephones. 2,271,140; Jan. 27.
Kellogg, M. W., Company, The. (See Roberts, G., Marshall, Wilson, and Keith, assignors.)
Kenyon Instrument Co. (See Newell, Arthur T., assignor.)
Kieser, Karl, Zollikon, Switzerland. Structural element. 2,271,079; Jan. 27.
Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Draft gear. 2,271,080; Jan. 27.
Kirby, John S., Indianapolis, Ind., assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Protector. 2,271,265; Jan. 27.
Knehe, Ewald. (See Hoelkeskamp, F., and Knehe.)
Knox, William J., Jr. (See Johnson, G. E., Bowman, and Knox.)
Koch, Lydia B. (See Mandell, Irving F., assignor.)
Koch, Werner. (See Brunke, F., and Koch.)
Koci, Ludvik J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Toaster. 2,271,485; Jan. 27.
Koenig, Franz. (See Nagel, K., and Koenig.)
Kolbe, Joachim, Detroit, Mich. Automotive vehicle. 2,271,505; Jan. 27.
Korts, Julian E., Baxter Springs, Kans. Air conditioning and cooling machine. 2,271,342; Jan. 27.
Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Knob attaching fastener. 2,271,266; Jan. 27.
Koszalka, Edward, Jr. (See Drotning, H. O., and Koszalka.)
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Square can seaming head. 2,271,152; Jan. 27.
Kronquest, Alfred L., and O. A. Schmitt, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Square can seaming head. 2,271,153; Jan. 27.
Kuhlman, George W. (See Schutz, P., and Kuhlman.)
Kurman Electric Co. (See Bagno, Samuel J. A. M., assignor.)
Lampton, Glen T., Williamsport, Pa., assignor to Aviation Manufacturing Corporation, New York, N. Y. Controllable pitch propeller. 2,271,435; Jan. 27.
Lang, Lena, New York, assignor to Alrfed Hofmann, Inc., West New York, N. J. Wareroller strap device. 2,270,881; Jan. 27.
Lange, Max H., Maspeth, assignor to Waldes Koh-I-Noor, Inc., Long Island, N. Y. Slider for separable fasteners. 2,271,141; Jan. 27.
Lard, Allan. (See Hayes, Thomas E., assignor.)
Lasier, Norton, Company. (See Schmidt, Louis F., assignor.)
Lasowsky, Louis, Brooklyn, N. Y. Bell ringing mechanism. 2,271,084; Jan. 27.
Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Chain cleaning apparatus. 2,271,436; Jan. 27.
Lathrop-Paulson Company, The. (See Lathrop, Harry D., assignor.)
Lay, Nathaniel B., Pine Bluff, Ark. Making archery bowstrings. 2,271,173; Jan. 27.
Layton, Peter N., Fishkill, N. Y. Eaves trough and cover. 2,271,081; Jan. 27.
Lee, Charles M., assignor to Eastman Kodak Company, Rochester, N. Y. Lens mount. 2,271,227; Jan. 27.
Lee, Hartley B., Berkeley, Calif. Tubing bleeder for oil well pumps. 2,270,952; Jan. 27.
Leftwich, Robert F. (See Ditto, M. W., and Leftwich.)
Lehre, Frithjof, Oslo, Norway. Self-locking nut. 2,271,267; Jan. 27.
Leidy, Carter R. (See Gordon, George H., assignor.)
Leprestre, Margaret C., et al., executor. (See Leprestre, Rene.)
Leprestre, Rene, New York, N. Y.; M. C. Leprestre, H. D. Hadden, R. C. Tobin, and J. Dannenberg, executors of the estate of said Leprestre, deceased, assignors to Applied Chemicals, Inc. Producing hydrogenated hydrocarbon products. 2,271,017; Jan. 27.
Lewis, Bennett, Indianapolis, Ind. Making heat exchangers. 2,271,437; Jan. 27.
Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,271,486; Jan. 27.
Linde Air Products Company, The. (See Scott, Marvin R., assignor.)
Linde Air Products Company, The. (See Weidner, W. C., and Keller, assignors.)
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Directive antenna. 2,271,300; Jan. 27.
Linder, Ludwig. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voight.)
Lineberger, Walter C. (See Gossett, B. W., and Lineberger.)
Link, Albert C., Dayton, Ohio. Gripping glove for golf clubs. 2,270,882; Jan. 27.
Link-Belt Company. (See Weiss, Charles R., assignor.)
Linton, Charles W., et al. (See Tinker, Walter H., assignor.)
Lion Manufacturing Corporation. (See Wahl, John C., assignor.)
Lionne, Ernest, Lynn, Mass. Rubber impregnated and coated web. 2,271,458; Jan. 27.
Lippincott, Donald K., and M. C. White, San Francisco, Calif. Fluid-speed meter. 2,271,142; Jan. 27.
Lloyd, Elmer J., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Aerial bucket tramway. 2,271,082; Jan. 27.
Lockheed Aircraft Corporation. (See Johnson, Clarence L., assignor.)
Long, Bernard, Paris, France, assignor to The American Securit Company. Tempering glass. 2,271,373; Jan. 27.
Longstreet, Walter H., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Pressure gauge. 2,271,268; Jan. 27.
Longstreet, Walter H., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Locking device for air chucks. 2,271,269; Jan. 27.
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenation of sugars of two to four carbon atoms. 2,271,083; Jan. 27.
Lovell, William V., Sanford, Fla. Speech transmission system. 2,271,000; Jan. 27.
Lower, Nathan M., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,270,883; Jan. 27.
Luchtenberg, Alexander. (See von Wyss, G., Biffi, Franchetti, Sellner, and Luchtenberg.)
Lund, Fred M., and J. H. Lund, Chicago, Ill. End connector device. 2,271,085; Jan. 27.
Lund, John H. (See Lund, Fred M., and J. H.)
Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Production of textile materials. 2,271,198; Jan. 27.
MacDonald, William G. (See Wilders, G., and MacDonald.)
MacEachern, Bessie. (See Melley, Francis B., assignor.)
MacFadyen, Loudon E. (See Wilkes, G., MacFadyen, Rice, and Alpaugh.)
Machine and Tool Designing Co. (See Pecker, J. S., and Simpson, assignors.)
MacKay, Cecil J., assignor to Rust Proofing Company of Canada, Limited, Montreal, Quebec, Canada. Coating metal surfaces. 2,271,374; Jan. 27.
MacKay, Cecil J., assignor to Rust Proofing Company of Canada, Limited, Montreal, Quebec, Canada. Coating metal surfaces. 2,271,375; Jan. 27.
MacKay, Kenneth H., Ocala, Fla. Outboard motor assembly. 2,271,174; Jan. 27.
Mackintosh-Hemphill Company. (See McConnell, William M., assignor.)
Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Pumping jack. 2,271,086; Jan. 27.
Maier, Howard R., Mansfield, Ohio. Electromagnetic transmission. 2,271,087; Jan. 27.
Malcom, Robert. (See Bushell, Frank T., assignor.)
Mandell, Irving F., New Brunswick, N. J., assignor to L. B. Koch, New York, N. Y. Cinematographic target. 2,271,199; Jan. 27.
Mank, Hans. (See Hofmann, R., and Mank.)
Manning, Maxwell & Moore, Incorporated. (See Graesser, C. H., and Hopkins, assignors.)
Manning, Maxwell & Moore, Incorporated. (See Whitcomb, P., and Moore, assignors.)

Manrodt, Kurt. (See Schmutzer, C., and Manrodt.)
Manson, Frank G., Dayton, Ohio. Aerial trailer. 2,270,884; Jan. 27.
Mantelet & Boucher. (See Mantelet, Jean, assignor.)
Mantelet, Jean, Bagnolet, assignor to Mantelet & Boucher, Bagnolet, Seine, France. Portable rotary grater. 2,271,175; Jan. 27.
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety device. 2,271,506; Jan. 27.
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple lead connector. 2,271,507; Jan. 27.
Manz, Walter, J. Schneidermann, O. Schneider, M. Wellhöfer, L. Linder, H. Besser, and W. Voigt, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Electrical condenser. 2,270,953; Jan. 27.
Marbon Corporation. (See Cameron, Hugh J., assignor.)
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marcus, Samuel M., and J. A. Zingheim, Denver, Colo. Direction indicator. 2,271,126; Jan. 27.
Maring, Aafk O. (See Rayner, T. R., and Maring.)
Marks, Alexander A., Uniontown, and J. D. Augustine, South Uniontown; said Augustine assignor to Richmond Radiator Company, Inc., Uniontown, Pa. Casting mold. 2,270,885; Jan. 27.
Marsh, Howard E., and F. Huhn, Ventura, Calif. Automatic signaling apparatus. 2,271,177; Jan. 27.
Marshall, Walton H., Jr. (See Roberts, G., Marshall, Wilson, and Keith.)
Marska, Frank B. (See Van Curler, Aaron J., assignor.)
Martin, Eugene, Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,271,018; Jan. 27.
Martin, Glenn L., Company, The. (See Boulton, B. C., and Roberts, assignors.)
Martinus, Hans L., assignor to G. Mortenson, Chicago, Ill. Composite covering and flashing for roofs and the like. 2,271,143; Jan. 27.
Maschinenfabrik Augsburg-Nürnberg A. G. (See Hagenmüller, Friedrich, assignor.)
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,271,200; Jan. 27.
Mattikow, Morris, New York, N. Y., assignor to Refining, Inc., Reno, Nev. Phosphatidic compounds. 2,271,127; Jan. 27.
Maxwell, Frank R., Rose Valley, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Internal combustion engine. 2,270,849; Jan. 27.
Maybach-Motorenbau G. m. b. H. (See Böttner, Carl, assignor.)
McCabe, Ira E., Chicago, Ill. Electrically actuated heat motor. 2,270,961; Jan. 27.
McCabe, Ira E., Chicago, Ill. Timing mechanism. 2,270,962; Jan. 27.
McCloud, Joseph E., Maywood, Ill., and A. Williams, Cleveland, assignors to Webster Manufacturing, Inc., Tiffin, Ohio. Apparatus for classifying sand or like granular material. 2,270,954; Jan. 27.
McConnell, William M., McKeesport, Pa., assignor to Mackintosh-Hemphill Company. Rolling mill. 2,271,459; Jan. 27.
McCollum, Henry J. D., Chicago, Ill. Automobile heater. 2,270,955; Jan. 27.
McCollum, Henry J. D., and T. F. Spackman; said Spackman assignor to Stewart-Warner Corporation, Chicago, Ill. Automobile heater. 2,270,956; Jan. 27.
McCoy, Charles S., Winnetka, assignor to McCoy, Jones & Company, Inc., Chicago, Ill. Rain cape construction. 2,271,128; Jan. 27.
McCoy, Jones & Company. (See McCoy, Charles S., assignor.)
McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning box. 2,270,998; Jan. 27.
McDermott, Howard N., assignor of twenty-five percent to J. B. Sellers, twenty-five percent to C. C. Banks, and fifty percent to L. S. McDermott, Hendersonville, N. C. Coin-controlled change-making vending apparatus. 2,271,397; Jan. 27.
McDermott, Lucy S., et al. (See McDermott, Howard N., assignor.)
McGarrity, William F. (See Herman, F. J., McGarrity, and Woodworth.)
McKay, George F., Brownwood, Tex. Fuel testing measuring apparatus. 2,271,144; Jan. 27.
McKinney, Elsmere W., Cleveland, Ohio, assignor to The McKinney Tool and Manufacturing Company. Fluid operated device. 2,271,145; Jan. 27.
McKinney Tool and Manufacturing Company, The. (See McKinney, Elsmere W., assignor.)
McLearn, Herbert M., North Chicago, Ill. Rope clamp. 2,271,270; Jan. 27.
McMahon, Joseph J., Lowell, assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatic unit. 2,271,020; Jan. 27.
McNamara, Russell E., London, Ontario, Canada. Ignition lock and the like. 2,270,850; Jan. 27.
McSkimin, Herbert J., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,270,906; Jan. 27.
Mead, Lowrie B., Chicago, Ill. Automatic starting and change-over operating mechanism for motion picture projection machines. 2,270,886; Jan. 27.
Mears, Stowell W., New York, N. Y. Game and practicing device. 2,270,957; Jan. 27.
Mehr, Otto, North Bergen, N. J. Hospital bed. 2,271,201; Jan. 27.
Melley, Francis B., Boston, assignor to B. MacEachern, Somerville, Mass. Rubber heel. 2,271,088; Jan. 27.
Merritt, Francis L. (See Crowell, A. W., Merritt, and Pond.)
Meyercord Company, The. (See Rathke, Harry C., assignor.)
Meyers, George T., Parkersburg, W. Va. Apparatus for shearing molten glass. 2,271,271; Jan. 27.
Midland Steel Products Company, The. (See Riememschneider, Ernest, assignor.)
Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J. Apparatus for the production of music. 2,271,460; Jan. 27.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller Company, The. (See De Lancey, Ralph W., assignor.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear cutting and finishing machine. 2,271,438; Jan. 27.
Miller, Frank D., assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Mixing apparatus. 2,270,958; Jan. 27.
Miller, Joseph. (See Herzig, Louis, assignor.)
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Milwaukee Valve Company. (See Fina, V., and Hoelzer, assignors.)
Minde, Hjalmar, Minde, near Bergen, assignor of one-half to E. Heen, Bergen, Norway. Manufacture of keepable fish products. 2,271,272; Jan. 27.
Miner, Robert I., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Wringer. 2,271,439; Jan. 27.
Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minnesota Mining & Manufacturing Company. (See Murray, D. K., and Olson, assignors.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Mixing Equipment Co. (See Miller, Frank D., assignor.)
Moeller, Harry A., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Braking mechanism for railway car trucks. 2,271,376; Jan. 27.
Moessinger, Albert, assignor to Gebrueder Sulzer, Aktiengesellschaft, Winterthur, Switzerland. Warp control in power looms. 2,271,202; Jan. 27.
Monarch Life Insurance Company. (See Crowell, A. W., Merritt, and Pond, assignors.)
Monnet, Georges, Paris, France, assignor to The American Securit Company, Washington, D. C. Method of and apparatus for tempering glass. 2,271,377; Jan. 27.
Monsanto Chemical Company. (See Harman, Marion W., assignor.)
Moor, Herbert H., Moore Township, Lambton County, Ontario, Canada., assignor to Standard Oil Development Company. Filter apparatus. 2,271,301; Jan. 27.
Moore, Henry S. (See Whitcomb, P., and Moore.)
Morey, Glen H., Terre Haute, Ind., and F. E. Frey, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,270,887; Jan. 27.
Morse, John F. (See Davis, E. A., and Morse.)
Mortenson, Gunnar. (See Martinus, Hans L., assignor.)
Moses, Charles, New York, N. Y. Knitting machine. 2,271,302; Jan. 27.
Motor Improvements, Inc. (See Williams, Lewis W., assignor.)
Moulet, Jean L. L. A. A., Paris, assignor to Martin Moulet & Cie, Oullins, Rhone, France. Shaft lubricating and sealing means. 2,271,303; Jan. 27.
Moulet, Martin, & Cie. (See Moulet, Jean L. L. A. A., assignor.)
Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Hydraulic brake control for bicycles. 2,271,273; Jan. 27.
Mulholland, George K., Saginaw, Mich. Trailer unit. 2,271,304; Jan. 27.
Müllerheim, Kurt, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Traffic signaling system. 2,271,305; Jan. 27.
Mullins Manufacturing Corporation. (See Miner, Robert I., assignor.)
Murke, Hans, Leverkusen-Schlebusch, and W. Becker, Cologne, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Stabilization of synthetic rubberlike materials. 2,270,959; Jan. 27.
Murphy, Elsie M., Jamaica Estates, Long Island, assignor to S. Stroock & Co., Inc., New York, N. Y. Fabric. 2,271,021; Jan. 27.

Murray, Dean K., and J. M. Olson, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Nondrying water-washable lapping and grinding composition. 2,270,888; Jan. 27.
Musselman, Harry H., East Lansing, Mich. Chair construction. 2,271,461; Jan. 27.
Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic film subbed with hardened gelatin. 2,271,228; Jan. 27.
Nagel, Kurt, Frankfort-on-the-Main, and F. Koenig, Walldorf, near Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Manufacture of pentaerythritol-polycarboxylic acid resins. 2,270,889; Jan. 27.
Napier, D., & Son Limited. (See Wynne, C. H. L., Tryon, and Ramsay, assignors.)
National Cash Register Company, The. (See Nelson, Gunnar, assignor.)
National Electric Products Corporation. (See Robinson, W. C., and Fullman, assignors.)
National Machinery Company, The. (See Friedman, John H., assignor.)
National Tube Company. (See Jones, G. H., and Nielsen, assignors.)
Nelems, Charles W., Tarrant, Ala., assignor to Nelems Manufacturing Co. Glider chair. 2,271,440; Jan. 27.
Nelems Manufacturing Co. (See Nelems, Charles W., assignor.)
Nelson, Clarence D., Mullan, assignor of one-half to E. Hanson, Wallace, Idaho. Pump. 2,271,022; Jan. 27.
Nelson, Charles E., assignor to The Dow Chemical Company, Midland, Mich. Treating magnesium. 2,271,023; Jan. 27.
Nelson, Gunnar, assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,270,960; Jan. 27.
Neptune, Herman P., Los Angeles, Calif. Spacer for form boards. 2,271,089; Jan. 27.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone air conditioning system. 2,271,487; Jan. 27.
Neueuschwander, Chris, Seattle, Wash. Harvester mechanism. 2,270,890; Jan. 27.
Newell, Arthur T., Huntington, assignor to Kenyon Instrument Co., Inc., Huntington Station, N. Y. Pressure relief check valve. 2,271,497; Jan. 27.
Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Folding machine. 2,270,891; Jan. 27.
Newman, Isidor, New York, N. Y. Key holder. 2,271,090; Jan. 27.
Niagara Falls Power Company, The. (See Gibson, N. R., and Bernstein, assignors.)
Nichols, Ellsworth J., Elizabeth, N. J. Continuous form feeding and aligning device. 2,271,306; Jan. 27.
Nicolle, Arthur V., and P. White, Twickenham, England. Piston. 2,271,024; Jan. 27.
Nielsen, Peer D. (See Jones, G. H., and Nielsen.)
Niskanen, Karl, Fenton, Mich., assignor to Illinois Tool Works, Chicago, Ill. Washer and bolt assembly machine. 2,271,154; Jan. 27.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Rock drill feeding mechanism. 2,271,025; Jan. 27.
Nold, John H., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Building board bundle. 2,271,488; Jan. 27.
Norris, Perry E., Chicago, Ill. Steam garment finisher set. 2,271,146; Jan. 27.
Norton Company. (See Indge, Herbert S., assignor.)
Nyberg, Stone, Dover, Ohio, assignor to A. J. R. Greer, Morgantown, W. Va. Pickling machine. 2,270,892; Jan. 27.
Ochoa, José, San Francisco, Calif. Sawing device. 2,271,398; Jan. 27.
Oddie, Fred A., assignor to Oddie Lock Nuts Limited, Southampton, England. Locating pin. 2,271,399; Jan. 27.
Oddie Lock Nuts Limited. (See Oddie, Fred A., assignor.)
O'Donnell, Joseph E., Hopewell, Va. Valve. 2,271,274; Jan. 27.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Generator drive. 2,271,027; Jan. 27.
Offen, Francis J. (See Slade, H. V., and Offen.)
Oil Well Supply Company. (See Maier, August R.)
Okrent, Jasper J., Great Neck, N. Y., assignor to Hazeltine Corporation. Amplitude-limiting signal-translating channel. 2,271,203; Jan. 27.
Olive, R. M., et al. (See Harris, Charles F., assignor.)
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Folding machine. 2,270,963; Jan. 27.
Oliver United Filters Incorporated. (See Doescher, Joe E., assignor.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Screw and washer assembling machine and method. 2,271,028; Jan. 27.
Olson, John M. (See Murray, D. K., and Olson.)
Ornell, John W., Philadelphia, Pa. Water system. 2,271,343; Jan. 27.
Ortlmer, Ludwig, and G. Balle, Frankfort-on-the-Main, and G. Dittus, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Imparting hydrophobic properties to fibrous materials. 2,270,893; Jan. 27.
Oster, John, assignor to J. Oster Manufacturing Company, Racine, Wis. Hair clipper. 2,271,029; Jan. 27.
Oster, John, Manufacturing Company. (See Oster, John, assignor.)
Ostling, William. (See Vanderpoel, A. G. H., and Ostling.)
Otto, Leonard, Tomahawk, Wis. Fruit jar cover tool. 2,271,147; Jan. 27.
Overbeck, Wilcox P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Controlled rectifier and battery charger. 2,270,894; Jan. 27.
Overstreet, Robert L., Bedford, Va., assignor to Salta Corporation, Jersey City, N. J. Method for making closed-cell cellular hard rubber and product of the method. 2,271,498; Jan. 27.
Paddock, George A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Non-flood cell cover assembly. 2,271,129; Jan. 27.
Palanti, Mario, Milan, Italy. Building block or element. 2,271,030; Jan. 27.
Palmer-Bee Company. (See Hartgering, J. M., and Perkins, assignors.)
Parker, Sydney M., Myton, Warwick, assignor to Automotive Products Company Limited, London, England. Valve mechanism for liquid pressure control systems. 2,271,031; Jan. 27.
Pearson, Russell O., Birmingham, Ala. Buffing and shaping machine for tires and the like. 2,271,130; Jan. 27.
Peck, Robert G., Jr., assignor to The Aridor Company, Chicago, Ill. Packaging. 2,271,161; Jan. 27.
Pecker, Joseph S., and H. A. Simpson, assignors to Machine and Tool Designing Co., Philadelphia, Pa. Method and apparatus for heat treating and sintering. 2,271,091; Jan. 27.
People in the Territory of the United States, Dedicated to the free use of the. (See Sweet, Carroll V., assignor.)
Perkins, Charles M. (See Hartering, J. M., and Perkins.)
Perkins, Granville A., South Charleston, and J. A. Davies, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Preparing alkyl sulphate liquors. 2,271,092; Jan. 27.
Persson, Henry, Newark, assignor to Landon P. Smith, Inc., Irvington, N. J. Combination cutting and breaking machine. 2,271,489; Jan. 27.
Petau, Erik. (See Deli, F. C., Petau, and Woods.)
Peters, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Insulator for antenna span or guy ropes. 2,270,964; Jan. 27.
Peters, William A., Chicago, Ill. Combination lock. 2,271,204; Jan. 27.
Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Pipe cutter. 2,271,033; Jan. 27.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency relay system. 2,270,965; Jan. 27.
Peterson, Willard D. (See Vittum, P. W., Peterson, and Porter.)
Peterson, Willard D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Sulphonamides of dyes. 2,271,230; Jan. 27.
Peterson, Willard D., and R. M. Evans, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic developers. 2,271,229; Jan. 27.
Pettman, Albert V., Epsom, Auckland, New Zealand. Rotary cultivator. 2,271,032; Jan. 27.
Pfarrwaller, Erwin, assignor to Tefag-Textil-Finanz A. G., Winterthur, Switzerland. Shuttle box. 2,271,205; Jan. 27.
Pfennig, Reuben F., Baytown, Tex., assignor to Standard Oil Development Company. Countercurrent extraction apparatus. 2,271,462; Jan. 27.
Phillips Petroleum Company. (See Morey, G. H., and Frey, assignors.)
Phillips Petroleum Company. (See St. Clair, Theodore A., assignor.)
Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. High molecular weight substance. 2,271,093; Jan. 27.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pines, Herman. (See Ipatieff, V., and Pines.)
Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercaptothiazine spiro compounds and making same. 2,271,400; Jan. 27.
Pintsch, Julius, Kommanditgesellschaft. (See Dällenbach, Walter, assignor.)
Pioneer Tool Co. (See Echikson, Elchanan, assignor.)
Pithie, Leslie E., Upper Hawthorn, Victoria, Australia. Applicator for eyelash preparations and the like. 2,271,034; Jan. 27.
Pittsburgh Stencil & Tool Company. (See Rickenbach, Harry C., assignor.)

Platt, David, South Pasadena, and J. W. Boothe, Los Angeles, Calif. Plural automobile window wiper and common master control valve therefor. 2,271,231; Jan. 27.
Pleister, Henry W., Westfield, assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Method and apparatus for coating materials and articles. 2,271,094; Jan. 27.
Pollard, Robert R., East Orange, and W. W. Rea, Chatham, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Guiding device. 2,271,206; Jan. 27.
Pond, Kenneth H. (See Crowell, A. W., Merritt, and Pond.)
Porsche, F., Dr. Ing. h. c., K.-G. (See Rabe, Karl.)
Porter, Henry D. (See Vittum, P. W., Peterson, and Porter.)
Pous y Valdés, Teresa, Vibora, Habana, Cuba. Hose support. 2,271,490; Jan. 27.
Price, Nathan C., Seattle, Wash., assignor to Sirius Corporation. Waste heat boiler for aircraft. 2,271,131; Jan. 27.
Process Management Company. (See Turkevich, J., and Ruthruff, assignors.)
Public in the Territory of the United States of America, Dedicated to the free use of the. (See Smith, L. E., and Haller.)
Rabe, Karl, Stuttgart, assignor to Dr. Ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Splined connection. 2,270,895; Jan. 27.
Radio Corporation of America. (See Appleton, William A., assignor.)
Radio Corporation of America. (See Eaglesfield, Charles C., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Keall, Oswold E., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Ramsay, Frank R. F. (See Wynne, C. H. L., Tryon, and Ramsay.)
Rankin, C. E., et al. (See Harris, Charles F., assignor.)
Rapaport, George H., Springfield, and F. W. Stone, Holyoke, Mass. Book match. 2,271,155; Jan. 27.
Rathke, Harry C., Chicago, Ill., assignor to The Meyercord Company. Applying decalcomanias. 2,271,491; Jan. 27.
Rauch, John D., Lima, Ohio. Reclinable spud construction. 2,271,344; Jan. 27.
Ray, William A., Glendale, Calif. Thermal operator. 2,271,307; Jan. 27.
Rayner, Thomas R., Wallasey, and A. O. Maring, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Electromagnetic relay. 2,270,966; Jan. 27.
Raytheon Manufacturing Company. (See Overbeck, Wilcox P., assignor.)
Rea, Wilson W. (See Pollard, R. R., and Rea.)
Reconstruction Finance Corporation. (See Bachle, Carl F., assignor.)
Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
Rees, Frederick G. (See Hirsch, H., and Rees.)
Reeves, Arthur E., Los Angeles, Calif. Glow tube. 2,270,967; Jan. 27.
Reeves, Ned S., Omaha, Nebr. Electric attachment for ironing boards, etc. 2,271,463; Jan. 27.
Refining, Inc. (See Mattikow, Morris, assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reitzel, Clarence R., and A. T. Baumert, assignors to The General Fireproofing Company, Youngstown, Ohio. Typewriter attachment for articles of furniture. 2,271,241; Jan. 27.
Remington Arms Company. (See Schilling, Albert A., assignor.)
Repass, George, Pawtucket, R. I., assignor to H. & B. American Machine Company. Textile package holding device. 2,271,345; Jan. 27.
Rey, Francois V. A. J. (See Rouanet, Roger L. M. F., assignor.)
Reynolds, Henry W., and E. C. Roesener, Roanoke, Va. Railway hopper car construction. 2,271,464; Jan. 27.
Rhein, Eduard, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. Berlin, Germany. Remote control arrangement. 2,271,207; Jan. 27.
Rice, Cyrus W., Pittsburgh, Pa. Water-treating compound. 2,271,499; Jan. 27.
Rice, Dale S. (See Wilkes, G., MacFadyen, Rice, and Alpaugh.)
Richmond Radiator Company. (See Marks, A. A. (and Augustine, assignor).)
Rickenbach, Harry C., Pittsburgh, Pa., assignor to Pittsburgh Stencil & Tool Company. Die holder. 2,271,500; Jan. 27.
Ridge Tool Company, The. (See Ingwer, Carl H., assignor.)
Riemenschneider, Ernest, Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Press. 2,270,968; Jan. 27.
Rioux, Joseph F., Attleboro, Mass. Cigarette case. 2,271,035; Jan. 27.
Rippon, Francis F. C., New York, N. Y. Record selecting and presenting device. 2,270,896; Jan. 27.
Ritscher, Karl, Hamburg-Moorburg, Germany. Antiskid device. 2,271,275; Jan. 27.
Rivers, S. H., et al. (See Clark, James R., assignor.)
Roberts, Clifford E. (See Boulton, B. C., and Roberts.)
Roberts, George, Jr., Montclair, and W. H. Marshall, Jr., Nutley, N. J., and D. W. Wilson, Scarsdale, N. Y., and P. C. Keith, Jr., Peapack, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Making synthesis gas. 2,270,897; Jan. 27.
Roberts, Joseph K. (See Ruthruff, R. F., and Roberts, assignors.)
Roberts, Joseph K., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Treating hydrocarbon oils. 2,271,095; Jan. 27.
Robinson, Harry F., Cincinnati, Ohio. Listing machine. 2,270,898; Jan. 27.
Robinson, Thomas J., Los Angeles, Calif. Filter device. 2,270,969; Jan. 27.
Robinson, William C., and J. M. G. Fullman, Sewickley, Pa., assignors to National Electric Products Corporation. Underfloor duct. 2,271,465; Jan. 27.
Robitscher, Earl M. (See Egan, John J., assignor.)
Roder, Hans, Schenectady, N. Y., assignor to General Electric Company. Frequency modulation system. 2,270,899; Jan. 27.
Roesener, Edward C. (See Reynolds, H. W., and Roesener.)
Röhm & Haas Company. (See Bock, L. H., and Houk, assignors.)
Rohs, Joseph H. (See Seiler, G. W., and Rohs.)
Rolfsen, Ole, Oslo, Norway. Producing cement. 2,271,276; Jan. 27.
Roscher, Frederick, Boyertown, Pa. Superhydrone. 2,271,277; Jan. 27.
Rosenberger, George, Muncie, Ind. Wall-paper sample device. 2,271,346; Jan. 27.
Rosenkranz, Carl-Georg. (See Treckmann, H., and Rosenkranz.)
Rosenthal, Heurich. (See Freundel, F., and Rosenthal.)
Ross, William F., assignor of one-half to J. R. Bayston, Chicago, Ill. Bottle seal cutting and trimming device. 2,271,308; Jan. 27.
Rotomotor Corporation. (See Gardner, Cummings, assignor.)
Rouanet, Roger L. M. F., and F. V. A. J. Rey, Paris, France. Lateral control means for flying machines with pivoted wings. 2,271,509; Jan. 27.
Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,271,309; Jan. 27.
Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)
Rubissow, George A., New York, N. Y. Volumetric command-device for controlling of operation of engines. 2,270,900; Jan. 27.
Rubissow, George A., New York, N. Y. Accelerator pedal actuating device. 2,270,901; Jan. 27.
Rubissow, George A., New York, N. Y. Antivibration means and method of use of same. 2,270,902; Jan. 27.
Rudbach, Wolfgang, Berlin-Wilmersdorf, assignor to Ramag-Meguin Aktiengesellschaft, Berlin, Germany. Treating gases with pulverulent substances. 2,270,903; Jan. 27.
Runals, William T., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Drying apparatus. 2,271,347; Jan. 27.
Rust Proofing Company of Canada. (See MacKay, Cecil J., assignor.)
Ruthruff, Robert F. (See Turkevich, J., and Ruthruff.)
Ruthruff, Robert F., Nutley, N. J., and C. F. Feuchter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Treating hydrocarbon oils. 2,271,096; Jan. 27.
Ruthruff, Robert F., Nutley, N. J., and J. K. Roberts, Flossmoor, assignors to Standard Oil Company, Chicago, Ill. Treating hydrocarbon oils. 2,271,097; Jan. 27.
Rutishauser, Hans, New York, N. Y. Internal combustion engine. 2,270,904; Jan. 27.
S-M-S Corporation. (See Cox, J. C., and Graham, assignors.)
St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Check valve. 2,271,278; Jan. 27.
St. Regis Paper Company. (See Crawford, Harry H., assignor.)
Sainty, Christopher L., assignor to Carrier Engineering Company Limited, London, England. Apparatus for filtering or cleaning air or other gases. 2,271,401; Jan. 27.
Salta Corporation. (See Overstreet, Robert L., assignor.)
Sample, John M., and J. E. Blanchard, assignors to Watson-Williams Manufacturing Company, Millbury, Mass. Heddle barpost. 2,271,441; Jan. 27.
Sampson, James J., Waterloo, Iowa. Combination reading stand and book carrier. 2,271,348; Jan. 27.
Sanborn, Frank E., Los Angeles, Calif., assignor to Binks Manufacturing Company, Chicago, Ill. Automatic spraying machine for spraying traveling articles. 2,271,442; Jan. 27.

Sans Incorporated. (See Svirsky, Bennett, assignor.)
Sauer, Bruno, Berlin-Oberschoneweide, Germany, assignor to General Electric Company. Resistance device. 2,271,208; Jan. 27.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Radiator hose and drain. 2,271,349; Jan. 27.
Schäfer, Kurt, Berlin-Eichkamp, Germany, assignor to the firm Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body. 2,271,310; Jan. 27.
Schaftel, Abraham S., Worcester, Mass. Fur cutting knife. 2,270,970; Jan. 27.
Scheerman, Leonardus T. (See Goede, P., Scheerman, van Bruggen, Verwey, and Bügel.)
Schimann, Ernst. (See Flad, A., and Schimann.)
Schilling, Albert A., Stratford, Conn., assignor to Remington Arms Company, Inc. Lubricating oil. 2,271,044; Jan. 27.
Schlindwein, Anton. (See Fielitz, W., and Schlindwein.)
Schlötter, Max, Berlin, Germany, assignor, by mesne assignments of one-half to United States Steel Corporation, New York, N. Y., and one-half to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Electrodeposited tin and electrodeposition. 2,271,209; Jan. 27.
Schmidt, Leopold C. and W. J., assignors of one-third to B. G. Wendt, Jersey City, N. J. Wing deicer. 2,271,466; Jan. 27.
Schmidt, Louis F., assignor to Norton Lasier Company, Chicago, Ill. Casing for door closing and checking devices. 2,271,098; Jan. 27.
Schmidt, Walter J. (See Schmidt, Leopold C. and W. J.)
Schmitt, Otto A. (See Kronquest, A. L., and Schmitt.)
Schmitter, Walter P., Wauwatosa, and D. M. Schwartz, Shorewood, assignors to The Falk Corporation, Milwaukee, Wis. Controller for fluid pressure clutches. 2,271,036; Jan. 27.
Schmutzer, Charles, Irvington, and K. Manrodt, assignors to Hoffman Beverage Company, Newark, N. J. Method and apparatus for crimping box straps. 2,270,971; Jan. 27.
Schneider, Emmor V., assignor to Alliance Manufacturing Company, Alliance, Ohio. Recording and reproducing phonograph. 2,270,972; Jan. 27.
Schneider, Wilhelm. (See Bechmann, R., and Schneider.)
Schneidermann, Josef. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voight.)
Schoeninger, Adolf O., Irvington, N. J., assignor to Forstner Chain Corporation. Wrist watch strap buckle. 2,271,037; Jan. 27.
Schrade, George M., Bridgeport, Conn. Pocketknife. 2,270,851; Jan. 27.
Schröter, Erich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric control circuit. 2,271,232; Jan. 27.
Schuftan, Paul M., Richmond Hill, assignor to The British Oxygen Company Limited, London, England. Separating of gas mixtures. 2,270,852; Jan. 27.
Schuh, Charles H., Ridgewood, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Cement fibrous product. 2,271,443; Jan. 27.
Schuler, Herman C., Fair Oaks, Pa. Furnace roof construction. 2,271,045; Jan. 27.
Schupbach, Rene M., Edgewood, assignor to Freeman Daughaday Company, Providence, R. I. Collar holder. 2,270,973; Jan. 27.
Schur, Milton O., Berlin, N. H. Protecting the exposed faces of automobile windshields. 2,271,099; Jan. 27.
Schutz, Paul, Union, N. J., and G. W. Kuhlman, New York, N. Y., assignors to The Heil Co., Milwaukee, Wis. Refuse body. 2,271,444; Jan. 27.
Schwartz, Daniel M. (See Schmitter, W. P., and Schwartz.)
Schwarz, Werner W. (See Ingwer, M., and Schwarz.)
Scott, Ashton T., Ardmore, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separating process. 2,271,501; Jan. 27.
Scott, Ernest H., Highland Park, Ill. Sound equalizer reproducer system. 2,271,100; Jan. 27.
Scott, Marvin R., Elizabeth, N. J., assignor to The Linde Air Products Company. Joining metallic members and joint thereby produced. 2,271,210; Jan. 27.
Scrivener, Arthur, Birmingham, England. Centerless grinder. 2,270,974; Jan. 27.
Searle, Norman E., McDaniel Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,271,378; Jan. 27.
Seiler, Gustave W., Maplewood, N. J., and J. H. Rohs, New Rochelle, N. Y., assignors to Commercial Developments, Inc. Universal mercury circuit breaker. 2,270,905; Jan. 27.
Sellers, Jerome B., et al. (See McDermott, Howard N., assignor.)
Sellner, Erich. (See von Wyss, G., Biffi, Franchetti, Sellner, and Luchtenberg.)
Serpas, Ernest J., assignor of two-fifths to J. S. Waterman, New Orleans, La. Rotary internal combustion engine. 2,271,402; Jan. 27.
Serpas, Ernest J., assignor of two-fifths to J. S. Waterman, New Orleans, La. Rotary liquid fuel injecting internal combustion engine. 2,271,403; Jan. 27.
Serpas, Ernest J., assignor of two-fifths to J. S. Waterman, New Orleans, La. Rotary internal combustion engine. 2,271,404; Jan. 27.
Servel, Inc. (See Hedlund, William T., assignor.)
Shambaugh, Raymond L., West Lafayette, Ind. Rail puller. 2,271,311; Jan. 27.
Sharples Corporation, The. (See Brewer, Nathaniel, assignor.)
Sharples Corporation, The. (See Scott, Ashton T., assignor.)
Shaver, William W., assignor to Corning Glass Works, Corning, N. Y. Tempering glass. 2,271,038; Jan. 27.
Sheeler, William E., Sinking Spring, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitting ornamented nonrun fabric. 2,270,853; Jan. 27.
Shell Development Company. (See van Peski, Adrianus J., assignor.)
Shepherd, Thomas L., Portslade, England, assignor to The Clark Thread Company. Treating fabric containing rubber thread. 2,271,101; Jan. 27.
Shepherd, Thomas L., Portslade, England, assignor to The Clark Thread Company. Rubber process. 2,271,102; Jan. 27.
Sherka Chemical Co. Inc. (See Hinz, Gerhard, assignor.)
Sherman, Charles Q., Mount Vernon, N. Y. Refrigerated display cabinet. 2,271,103; Jan. 27.
Sherwin-Williams Company. (See Yee, Edward G., assignor.)
Shorter, Edwin A., Hitchin, England. Production of animated cinematographic cartoons and puppet for use therefor. 2,271,312; Jan. 27.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fielitz, W., and Schlindwein, assignors.)
Simpson, Henry A. (See Pecker, J. S., and Simpson.)
Sinclair, Frank E., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling apparatus. 2,271,026; Jan. 27.
Sing, William R., Sacramento, Calif. Bumper guard or bumperette. 2,271,046; Jan. 27.
Sirius Corporation. (See Price, Nathan C., assignor.)
Skoglund, Bert J. (See Doering, C., and Skoglund.)
Slade, Franklin L., Washington, D. C. Diffuser. 2,270,907; Jan. 27.
Slade, Herbert V., and F. J. Offen, assignors to The Garrard Engineering and Manufacturing Company Limited, Swindon, England. Pickup or tone arm for phonographs and the like. 2,271,039; Jan. 27.
Sliger, Oscar, University City, Mo. Counter-sham partition clip. 2,271,313; Jan. 27.
Sloan Valve Company. (See Sloan, William E., assignor.)
Sloan, William E., River Forest, assignor to Sloan Valve Company, Chicago, Ill. Valve. 2,271,047; Jan. 27.
Smith, Henry A., and E. H. Jackson, Fort Wayne, Ind., assignor to General Electric Company. Insulated electrical conductor. 2,271,233; Jan. 27.
Smith, Landon P., Inc. (See Persson, Henry, assignor.)
Smith, Lloyd E., and H. L. J. Haller, Washington, D. C., dedicated to the free use of the Public in the territory of the United States of America. Composition of matter for use as an insecticide. 2,271,350; Jan. 27.
Smith, Milton L., Oak Park, Ill. Vending machine. 2,270,908; Jan. 27.
Smith, Norman J., Medfield, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Chart holding device. 2,270,975; Jan. 27.
Smithline, Jacob, Brooklyn, N. Y. Three-tone stethoscope. 2,271,467; Jan. 27.
Snoek, Jacob L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Magnetic material and making the same. 2,271,040; Jan. 27.
Snyder Research, Inc. (See Snyder, Robert E., assignor.)
Snyder, Robert E., Pasadena, Calif., assignor to Snyder Research, Inc. Ductile tubing connector. 2,271,502; Jan. 27.
Sobek, Paul, Vienna, Germany, assignor to E. Benjamin, New York, N. Y. Rotary piston machine. 2,270,976; Jan. 27.
Societe Anonyme des Pneumatiques. (See Bernardon, Marcellin E. R., assignor.)
Societe Francaise de Construction de Bennes Automatiques. (See Allard, Pierre J. M. T., assignor.)
Solar Manufacturing Corporation. (See Fisher, John H., assignor.)
Soller, Henry. (See Erdle, R. W., Soller, and Beier.)
Solo-Horton Brush Co. (See Gerndt, Charles J., assignor.)
Sorrell, Claud O., Kirksville, Mo. Head-lamp construction. 2,271,162; Jan. 27.
Southwell, Raymond J., Nichols, Conn. Barbed wire and making same. 2,271,314; Jan. 27.
Spackman, Thomas F. (See McCollum, H. J. D., and Spackman.)
Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Motor vehicle heater. 2,270,977; Jan. 27.
Spencer Aircraft Motors, Inc. (See Spencer, Louis R., assignor.)
Spencer, John A., assignor to Spencer Specialties Inc., South Hadley Falls, Mass. Apparatus for making paper. 2,271,351; Jan. 27.
Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Aircraft construction. 2,271,163; Jan. 27.

Spencer Specialties Inc. (See Spencer, John A., assignor.)
Sperry, Elmer A., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Universal flight indicator. 2,271,315; Jan. 27.
Sperry Gyroscope Company. (See Esval, O. E., and Frische, assignors.)
Sperry Gyroscope Company. (See Hanson, G. N., and Esval, assignors.)
Sperry Products, Inc. (See Sperry, Elmer A., Jr., assignor.)
Spillmann, Max, Clifton, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Circulating pump for steam generators. 2,271,352; Jan. 27.
Spillmann, Max, Clifton, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Boiler circulating system and pump. 2,271,353; Jan. 27.
Spiro, Walter, New York, N. Y. Self-ejecting key. 2,271,048; Jan. 27.
Spizer, Samuel, Philadelphia, Pa. Slide. 2,270,909; Jan. 27.
Spohr, Carl W. (See Bracke, R. F., and Spohr.)
Spurrier, Harry, Toledo, Ohio. Ceramic composition. 2,271,316; Jan. 27.
Square D Company. (See Jackson, John G., assignor.)
Square D Company. (See Jackson, J. G., and Allen, assignors.)
Stahl, Frank E. (See Cotesworth, A., Stinson, and Stahl.)
Stahl, Lillie M., administratrix. (See Cotesworth, A., Stinson, and Stahl.)
Standard Oil Company. (See Becker, S. B., and Johnson, assignors.)
Standard Oil Company. (See Roberts, Joseph K., assignor.)
Standard Oil Company. (See Ruthruff, R. F., and Feuchter, assignors.)
Standard Oil Company. (See Ruthruff, R. F., and Roberts, assignors.)
Standard Oil Development Company. (See Moor, Herbert H., assignor.)
Standard Oil Development Company. (See Pfennig, Reuben F., assignor.)
Standard Oil Development Company. (See Welty, Albert B., Jr., assignor.)
Standard Stoker Company, The. (See Corey, Dane H., assignor.)
Standard Stoker Company. (See Lower, Nathan M., assignor.)
Standard Stoker Company, The. (See Martin, Eugene, assignor.)
Standard Stoker Company. (See Surdy, Charles J., assignor.)
Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
Starck, Clemens B. (See Nadeau, G. F., and Starck.)
Starkey, Lewis P., Larimer County, Colo. Coin testing device. 2,271,104; Jan. 27.
Stator Corporation. (See Whitney, Lyman F., assignor.)
Statz, John, and J. H. Swift, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Heat treating wire. 2,271,379; Jan. 27.
Staud, Cyrill J., and W. J. Weyerts, assignors to Eastman Kodak Company, Rochester, N. Y. Colloidal carbon antihalation layer. 2,271,234; Jan. 27.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Light shutter mechanism. 2,271,235; Jan. 27.
Stein & Atkinson Limited. (See Booth, Tom A., assignor.)
Stewart, Charles V., Maricopa County, Ariz. Ditch cleaning and terracing machine. 2,271,105; Jan. 27.
Stewart-Warner Corporation. (See McCollum, H. J. De N., and Spackman.)
Stewart-Warner Corporation. (See Spackman, Thomas F., assignor.)
Stinson, Karl W. (See Cotesworth, A., and Stinson.)
Stinson, Karl W. (See Cotesworth, A., Stinson, and Stahl.)
Stockton, Jack P., Spring Lake, N. J. Fastening device. 2,271,211; Jan. 27.
Stone, Francis W. (See Rapaport, G. H., and Stone.)
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow disk. 2,271,354; Jan. 27.
Strang, John M., and C. Foster, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Eyepiece of optical instruments. 2,271,380; Jan. 27.
Stretton, John W. K. (See Booton, William E. and J. H., and Stretton.)
Strike, George N., and J. Griesinger, Los Angeles, Calif. Laundry marking machine. 2,271,106; Jan. 27.
Strong, Walter J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Removing curing bags. 2,271,405; Jan. 27.
Stroock, S., & Co. (See Murphy, Elsie M., assignor.)
Stuckert, Felix J., Wauwatosa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Clamping device. 2,271,041; Jan. 27.
Sturtevant, B. F., Company. (See Churgwin, Frederick H., assignor.)
Sullivan, George T., Omaha, Nebr. Exercising device. 2,271,164; Jan. 27.
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Sullivan Machinery Company. (See Sinclair, Frank E., assignor.)
Sun Shipbuilding & Dry Dock Company. (See Maxwell, Frank R., assignor.)
Surdy, Charles J., Tuckahoe, N. Y., assignor to Standard Stoker Company, Incorporated. Locomotive stoker. 2,271,042; Jan. 27.
Surdy, Charles J., Scarsdale, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,271,236; Jan. 27.
Sutton-Horsley Company Limited. (See Horsley, Caperton B., assignor.)
Svirsky, Bennett, Glendale, Calif., assignor to Sans Incorporated. Water control for closet tanks. 2,270,910; Jan. 27.
Swangren, Karl E., Maywood, Ill. Tool for forming lugs on caps. 2,271,107; Jan. 27.
Sweet, Caroll V., Madison, Wis., dedicated to the free use of the people in the territory of the United States. Panel. 2,271,355; Jan. 27.
Swift, Joseph H. (See Statz, J., and Swift.)
Swormstedt, Frank W., Fort Thomas, assignor to Higgin Products, Inc., Newport, Ky. Light-tight shade construction. 2,270,978; Jan. 27.
Tarris, Frederick J., and D. Webb, assignors to The India-Rubber, Gutta Percha & Telegraph Works Company, Limited, London, England. Gun control mechanism. 2,271,445; Jan. 27.
Taylor, James H., Detroit, Mich., assignor to Gorham Tool Company. Steel alloy. 2,270,979; Jan. 27.
Taylor-Wharton Iron and Steel Company. (See Wilkes, G., MacFadyen, Rice, and Alpaugh, assignors.)
Tefag-Textil-Finanz A. G. (See Pfarrwaller, Erwin, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, R., and Schneider, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., and Zumbusch, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hülster, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Peters, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rhein, Eduard, assignor.)
Telephonics Corporation. (See Weidenman, William T., Sr., assignor.)
Tenger, Charles G., Savannah, Ga. Treatment of plant growths. 2,271,212; Jan. 27.
Theodorsen, Theodore, Hampton, Va. Cowling for aircraft. 2,270,912; Jan. 27.
Thomas, Charles L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,271,317; Jan. 27.
Thomas, Charles L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,271,318; Jan. 27.
Thomas, Charles L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,271,319; Jan. 27.
Thomas, Errold B., Newton, Mass. Flexible container, closure means therefor, and manufacture thereof. 2,271,279; Jan. 27.
Thoresen, Einar, Pittsburgh, Pa. Buckle. 2,271,132; Jan. 27.
Thoresen, Einar, Pittsburgh, Pa. Buckle and latch mechanism. 2,271,133; Jan. 27.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Making soap. 2,271,406; Jan. 27.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Soap product and making the same. 2,271,407; Jan. 27.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Soap product. 2,271,408; Jan. 27.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Phosphatidic composition. 2,271,409; Jan. 27.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Phosphatidic composition. 2,271,410; Jan. 27.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Tank closure. 2,271,411; Jan. 27.
Tidball, John A., Tulsa, Okla., assignor to International-Stacey Corporation, Columbus, Ohio. Speed reducer casing. 2,270,980; Jan. 27.
Timken-Detroit Axle Company, The. (See Cole, Frank O., assignor.)
Tinker, Walter H., Boston, Mass., assignor of ten one-hundredths to C. W. Linton and ten one-hundredths to Dr. W. R. Cox, Akron, Ohio. Kinetic pump. 2,270,911; Jan. 27.
Tobin, Ralph C., et al, executor. (See Leprestre, Rene.)
Tradup, Albert. (See Abbott, H. H., Bowne, and Tradup.)
Treckmann, Hans, and C.-G. Rosenkranz, Wuppertal, assignors to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany. Winding frame. 2,271,049; Jan. 27.

Treckmann, Hans, Wuppertal-Oberbarmen, and C.-G. Rosenkranz, Wuppertal-Barmen, assignors to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany. Winding frame. 2,271,050; Jan. 27.
Treckmann, Hans, Wuppertal-Oberbarmen, and C.-G. Rosenkranz, Wuppertal-Barmen, assignors to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany. Winding frame. 2,271,051; Jan. 27.
Tropic-Aire, Incorporated. (See Will, C. H., and Fink, assignors.)
Truthe, Wilhelm. (See Kaufmann, E., and Truthe.)
Tryon, Henry C. (See Wynne, C. H. L., Tryon, and Ramsay.)
Turkevich, John, Princeton, N. J., and R. F. Ruthruff, Chicago, Ill., assignors to Process Management Company, Inc., Wilmington, Del. Hydrocarbon conversion. 2,271,356; Jan. 27.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Distributor for stokers. 2,271,237; Jan. 27.
Tuttle, John H., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Folding seat. 2,270,981; Jan. 27.
Unger, Gilbert C., Jr., Louisville, Ky. Purifying or otherwise treating fluids. 2,271,446; Jan. 27.
Union Carbide and Carbon Corporation. (See Perkins, G. A., and Davies, assignors.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United-Carr Fastener Corporation. (See Wilson, Cary C., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)
United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Gypsum Company. (See Nold, John H., assignor.)
United States Gypsum Company. (See Youngfelt, T. T., and Haegele, assignors.)
United States Steel Corporation, et al. (See Schlötter, Max, assignor.)
Universal Oil Products Company. (See Barnes, Marion W., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Ipatieff, V., and Pines, assignors.)
Universal Oil Products Company. (See Thomas, C. L., and Ahlberg, assignors.)
Universal Oil Products Company. (See Venema, Maynard P., assignor.)
Van Bruggen, Marinus G. (See Goede, P., Scheerman, van Bruggen, Verwey, and Bügel.)
Van Cleef Bros. (See Frick, Carl E., assignor.)
Van Curler, Aaron J., assignor of one-half to F. B. Marska. Sandpoint, Idaho. Stovepipe holder. 2,271,447; Jan. 27.
Vanderpoel, Albert G. H., and W. Ostling, assignors to California Machinery & Supply Co., Ltd., Los Angeles, Calif. Variable point distributor. 2,270,982; Jan. 27.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Isomerization of hydrocarbons. 2,271,043; Jan. 27.
Varley, Ernest V., and A. Fraulo, London, England. Apparatus for washing or cleaning plates, dishes, and the like. 2,271,052; Jan. 27.
Velvac, Inc. (See Elliott, Gordon R., assignor.)
Venema, Maynard P., assignor to Universal Oil Products Company, Chicago, Ill. Controlling temperatures in simultaneously conducted endothermic and exothermic reactions. 2,270,913; Jan. 27.
Verwey, Evert J. W. (See Goeder, P., Scheerman, van Bruggen, Verwey, and Bügel.)
Viehmann, John C., Flushing, N. Y. Table. 2,271,448; Jan. 27.
Vieth, Leonard, Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 2,271,320; Jan. 27.
Virginia-Carolina Chemical Corporation. (See Carpenter, F. B., and Enos, assignors.)
Vittum, Paul W., W. D. Peterson, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Color forming compounds containing sulphonamide groups. 2,271,238; Jan. 27.
Voigt, Willy. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voight.)
Vokes, Howard W., assignor to Eastman Kodak Company, Rochester, N. Y. Nonreflecting coating for glass. 2,271,239; Jan. 27.
Von Wyss, Georg, Gozzano-Buccione, F. Biffi and P. Franchetti, Gozzano, Italy, and E. Sellner, and A. Luchtenberg, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Producing high strength artificial silk by the funnel stretch-spinning process. 2,271,357; Jan. 27.
Voorhies, Carl, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Internal combustion engine. 2,271,412; Jan. 27.
Wade, Kenneth L., New York, N. Y. Incandescent lamp. 2,271,108; Jan. 27.
Wagner, Herbert, Berlin, and G. Backhaus, and H. Gropler, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Airplane wing structure. 2,271,321; Jan. 27.
Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)
Wahl, John C., assignor to Lion Manufacturing Corporation, Chicago, Ill. Coin operated machine. 2,271,109; Jan. 27.
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Lubrication of blades in hair clippers. 2,271,053; Jan. 27.
Waldes-Koh-I-Noor, Inc. (See Lange, Max H., assignor.)
Waldron, John, Corporation. (See Case, Lynn B., assignor.)
Walker, Isabel F., Chicago, Ill. Multiple compartment food container. 2,271,156; Jan. 27.
Waterman, J. S. (See Serpas, Ernest J., assignor.)
Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water soluble polyvinyl alcohol softened with beta-hydroxyalkyl ammonium salt. 2,271,468; Jan. 27.
Watson, Harvey A., Whitehaven, Tenn. Water clarification and supply system. 2,271,165; Jan. 27.
Watson-Williams Manufacturing Company. (See Sample, J. M., and Blanchard, assignors.)
Wean Engineering Company, The. (See Holdgate, J. C., and Donald, assignors.)
Webb, Daniel. (See Tarris, F. J., and Webb.)
Webster Manufacturing, Inc. (See McCloud, J. E., and Williams, assignors.)
Webster, William J., Belfast, Northern Ireland. Rear light indicator or detector for vehicles. 2,271,110; Jan. 27.
Weidenman, William T., Sr., Spring Valley, assignor to Telephonics Corporation, New York, N. Y. Electromechanical amplifier. 2,270,983; Jan. 27.
Weidner, William C., Woodridge, and A. M. Keller, Springfield, N. J., assignors to The Linde Air Products Company. Method and apparatus for manipulating slabs and the like. 2,271,213; Jan. 27.
Weinert, Carl R., assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Gas producing projectile. 2,271,280; Jan. 27.
Weiss, Charles R., Indianapolis, Ind., assignor to Link-Belt Company. Belt conveyer idler. 2,271,166; Jan. 27.
Weissberger, Arnold. (See Peterson, W. D., and Weissberger.)
Wellhöfer, Michael. (See Manz, W., Schniedermann, Schneider, Wellhöfer, Linder, Besser, and Voight.)
Welsh Manufacturing Company. (See Johnson, Eric R., assignor.)
Welty, Albert B., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Separating hydrogen from gaseous hydrocarbons. 2,271,214; Jan. 27.
Wendt, Benjamin G. (See Schmidt, Leopold and W. J.)
Western Cartridge Company. (See Blais, Emilien, commonly known as Emile Blair.)
Western Electric Company. (See Barrans, William T., assignor.)
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Pollard, R. R., and Rea, assignors.)
Weyerts, Walter J. (See Staud, C. J., and Weyerts.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Television broadcast system. 2,271,322; Jan. 27.
Whitcomb, Preston, Bridgeport, and H. S. Moore, Easton, Conn., assignors to Manning & Moore, Incorporated, New York, N. Y. Tachometer. 2,271,215; Jan. 27.
White Metal Manufacturing Company. (See Hestermann, Walter, assignor.)
White, Morris C. (See Lippincott, D. K., and White.)
White, Percy. (See Nicolle, A. V., and White.)
White, Robert C. (See Corwin, J. F., and White.)
Whitman, Harold C., Bedford Village, N. Y., assignor, by mesne assignments, to The Esmond Mills, Inc., Esmond, R. I. Bed comforter. 2,271,281; Jan. 27.
Whitney Blake Company, The. (See Judisch, Carl H., assignor.)
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Water heating apparatus. 2,271,449; Jan. 27.
Wilders, George, Packington Hill, Kegworth, and W. G. Macdonald, Loughborough, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight bar knitting machine. 2,271,381; Jan. 27.
Wilkes, Gilbert, L. E. MacFadyen, D. S. Rice and G. L. Alpaugh, assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Weld-rod coating and method thereof. 2,271,358; Jan. 27.
Will, Carl H., and H. W. Fink, assignors to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater and defroster. 2,271,134; Jan. 27.
William Cotton Limited. (See Wilders, G., and Macdonald, assignors.)
Williams, Albert. (See McCloud, J. E., and Williams.)
Williams, Denis C. (See Hargrave, J. G., and Williams.)
Williams, Eugene L., Niles, assignor to International Cellucotton Products Company, Chicago, Ill. Dispenser. 2,270,914; Jan. 27.

Williams, Lewis W., Short Hills, assignor to Motor Improvements, Inc., Newark, N. J. Filter. 2,271,054; Jan. 27.
Wilson, Cary C., Bristol, R. I., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shelf supporting device. 2,271,469; Jan. 27.
Wilson, Dustin W. (See Roberts, G., Marshall, Wilson, and Keith.)
Wilson, Ernest E., near Milford, assignor to General Motors Corporation, Detroit, Mich. Compound resonance unit. 2,271,055; Jan. 27.
Winterhalter, Martin, Morcote-Castello, near Lugano, Switzerland. Slide for multiple fasteners. 2,270,984; Jan. 27.
Winterhalter, Martin, Morcote-Castello, near Lugano, Switzerland. Sliding clasp fastener. 2,270,985; Jan. 27.
Wisniewski, William J., Bayonne, N. J. Wheel brake adjuster. 2,270,986; Jan. 27.
Woods, Fred D. (See Dell, F. C., Petau, and Woods.)
Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Silver soldering. 2,270,987; Jan. 27.
Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Making metal tubes. 2,270,988; Jan. 27.
Woodworth, Laurin D. (See Herman, F. J., McGarrity, and Woodworth.)
Worthington Pump and Machinery Corporation. (See Spillmann, Max, assignor.)
Worthington, Ray W., Los Angeles, Calif. Platform foot and body vibrator. 2,271,382; Jan. 27.
Wuest, Heinz M., Arlesheim, near Basel, and M. Hoffer, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of derivatives of 2-methyl-4-amino pyrimidine. 2,271,503; Jan. 27.
Wulff, Cal W., Chicago, Ill., assignor to Holland Company. Manufacturing springs. 2,271,111; Jan. 27.
Wynne, Charles H. L., H. C. Tryon, and F. R. F. Ramsay, assignors to D. Napier & Son Limited, London, England. Starting means for internal combustion engines. 2,271,383; Jan. 27.
Yee, Edward G., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Flushing pigments. 2,271,323; Jan. 27.
Yee, Edward G., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Flushing pigments. 2,271,324; Jan. 27.
Young, Bernard A., Oakland, Calif. Pipe fitting. 2,271,282; Jan. 27.
Young, Leonard P., Chester, Conn. Heat-choke soldering iron. 2,271,325; Jan. 27.
Youngfelt, Theodore T., Hinsdale, and O. P. Haegele, assignors to United States Gypsum Company, Chicago, Ill. Building board bundle. 2,271,470; Jan. 27.
Ysskin, Samuel, Newark, N. J. Starting device. 2,271,216; Jan. 27.
Zachry, Walter H., Atlanta, Ga. Mop construction or the like. 2,271,167; Jan. 27.
Zein Manufacturing Company. (See Berkman, Herbert A., assignor.)
Zerunelth, Rudolph E., New York, N. Y. Safety control. 2,271,359; Jan. 27.
Zilligitt, Vernon, et al. (See Hamer, Leland S., assignor.)
Zinghelm, James A. (See Marcus, S. M., and Zinghelm.)
Zumbusch, Heinz. (See Buschbeck, W., and Zumbusch.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lighting fixture. W. W. Kantack. Re. 22,014; Jan. 27.
Means for joining constructional members. A. C. Gonzalez. Re. 22,013; Jan. 27.

LIST OF PLANT INVENTIONS

Rose Plant. F. H. Howard. 501; Jan. 27.

LIST OF DESIGN INVENTIONS

Bathtub. D. E. Anderson. 131,214; Jan. 27.
Board or the like, Display. J. B. Dey. 131,254–7; Jan. 27.
Book cover or similar article. F Stephens. 131,200; Jan. 27.
Boot. W. E. Austin. 131,231; Jan. 27.
Boot, Rubber. G. H. Bingham, Jr. 131,204; Jan. 27.
Bowl or similar article C. J. Uhrmann. 131,250; Jan. 27.
Brooch or similar article. A. Katz. 131,262; Jan. 27.
Brooch or similar article. D. Mir. 131,233; Jan. 27.
Brooch or similar article. M. Petit. 131,225–6; Jan 27.
Brooch or similar article. A. Philippe. 131,235–43; Jan. 27.
Brooch or similar article. A. Philippe. 131,264–8; Jan. 27.
Brooch or similar article. A. Spaney. 131,245–8; Jan. 27.
Button S. Holstein. 131,207; Jan. 27.
Cabinet for a loud speaker. V. Kraus. 131,196; Jan. 27.
Cabinet or the like, Radio. L. K. Franklin. 131,194; Jan. 27.
Cart, Package. J. A. Moreing. 131,210; Jan 27.
Case, Combined clock and picture-holding. S. J. Kauffman. 131,208–9; Jan. 27.
Clip, Pin. D. Mir. 131,234; Jan 27.
Clock face or similar article. F. V. Hodge. 131,206; Jan. 27.
Dickey. H. J. Levi. 131,232; Jan. 27
Door knocker. C. C. Beach. 131,203; Jan. 27.
Dress. S. J Goldfarb. 131,259; Jan. 27.
Dress. D. E. Gottlieb. 131,251–2; Jan. 27.
Dress. M. A. Rudolph. 131,244; Jan. 27
Fabric or similar article, Needlepoint tapestry. I. Jolles. 131,260–1; Jan. 27.
Fabric, Textile. M. Christen. 131,253; Jan 27.
Fabric, Textile. S. Kay. 131,263; Jan. 27.
Fabric, Textile. M. A. Susi. 131,269; Jan. 27
Fender for an automobile, Front. R. J. Waterbury. 131,212; Jan. 27.
Frame for a display board or the like. J. B Dey. 131,220; Jan. 27.
Frame for a display board or the like. J. B Dey. 131,258; Jan. 27.
Handle, Door. F. F. Braun. 131,217; Jan. 27.
Handle for a hair trimming device. H Lewis. 131,223; Jan. 27.
Housing, Window ventilator. V. Schreckengost. 131,270; Jan. 27.
Humidor. J. V. Vevirit. 131,202; Jan. 27.
Ice cream cone. E. A. Hamwi 131,221; Jan. 27.
Jewelry finding. T. C. Steinman. 131,249; Jan. 27.
Knife hand guard. J. L. Parisi. 131,224; Jan 27.
Lace. E. N. Birch. 131,215; Jan. 27.
Lamp fixture, Fluorescent. B. A. Mitchell 131,199; Jan. 27.
Lighting fixture or similar article. C. F. Haas. 131,195; Jan. 27.
Pan or similar article, Sauce. C. J. Amick. 131,230; Jan. 27.
Panel, Radio. H. Dean. 131,193; Jan. 27.
Pipe, Air finned smoking. W. Leser. 131,197; Jan. 27.
Plate for use on automobiles, Display. A. Plotkin. 131,227; Jan. 27.
Rack for spice containers or the like. E. Allen. 131,229; Jan. 27.
Range top. A. H. Brodbeck. 131,218; Jan. 27.
Saw, Band. W. B. and J. E. Boice. 131,216; Jan. 27.
Shoe. H. Sobel. 131,211; Jan. 27.
Shoe or similar article. M. Wolock. 131,213; Jan. 27.
Slip sheet inserted. R. C. Casanov. 131,219; Jan. 27.
Table, Combined radio and bedside. E. H. Thompson. 131,201; Jan. 27.
Tray for food containers, or the like, Service and display. J. H. and G. H. Limpert. 131,198; Jan. 27.
Typewriter. J. Barofsky. 131,192; Jan. 27.
Washing machine. A. P. Schulz. 131,228; Jan. 27.
Watch pin or similar article, An appointment. A. Fingerhut. 131,205; Jan. 27.
Wreath or similar article, Electric. D. J. Kelman. 131,222; Jan. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. G. Nelson. 2,270,960; Jan. 27.
Air conditioning and cooling machine. J. E. Korts. 2,271,342; Jan. 27.
Air conditioning system, Zone. C. W. Nessell. 2,271,487; Jan. 27.
Air control system, Compensated two-stage hot. A. C. Grant. 2,271,120; Jan. 27.
Aircraft construction. B. C. Boulton and C. E. Roberts. 2,271,059; Jan. 27.
Aircraft construction. L. R. Spencer. 2,271,163; Jan. 27.
Aircraft, Rotative winged. J. A. J. Bennett. 2,271,473; Jan. 27.
Airplane. C. L. Johnson. 2,271,226; Jan. 27.
Airplane wing structure. H. Wagner, G. Backhaus, and H. Gropler. 2,271,321; Jan. 27.
Alarm, Automatic burglar. A. G. Eckhardt. 2,271,392; Jan. 27.
Alcohol softened with beta-hydroxy-alkyl ammoninm salt, Water soluble polyvinyl. W. W. Watkins. 2,271,468; Jan. 27.
Alloy: *See*—
Steel alloy.
Alloys, Hardened nonferrous. R. S. Dean and C. T. Anderson. 2,270,868; Jan. 27.
Amplifier, Electromechanical. W. T. Weidenman, Sr. 2,270,983; Jan. 27.
Antenna, Directive. N. E. Lindenblad. 2,271,300; Jan. 27.
Antiskid device. K. Ritscher. 2,271,275; Jan. 27.
Antivibrating resilient support. M. F. A. Julien. 2,271,016; Jan. 27.
Antivibration means and method of use of same. G. A. Rubissow. 2,270,902; Jan. 27.
Apparatus and method for the molding of plastic materials. P. De Mattia. 2,271,063; Jan. 27.
Apparatus for classifying or separating fluid-borne materials. H. V. Kapp. 2,271,263; Jan. 27.
Apparatus for classifying sand or like granular material. J. E. McCloud and A. Williams. 2,270,954; Jan. 27.
Apparatus for filtering or cleaning air or other gases. C. L. Sainty. 2,271,401; Jan. 27.
Apparatus for handling strip material. E. A. Davis and J. F. Morse. 2,271,416; Jan. 27.
Apparatus for making paper. J. A. Spencer. 2,271,351; Jan. 27.
Apparatus for shearing molten glass. G. T. Meyers. 2,271,271; Jan. 27.
Apparatus for the production of music. B. F. Miessner. 2,271,460; Jan. 27.
Apparatus for washing or cleaning plates, dishes, and the like. E. V. Varley and A. Fraulo. 2,271,052; Jan. 27.
Applicator for eyelash preparations and the like. L. E. Pithlie. 2,271,034; Jan. 27.
Archery bowstrings, Making. N. B. Lay. 2,271,173; Jan. 27.
Arrangement for electrically coupling an unbalanced load with a symmetrical voltage source or vice versa. W. Buschbeck and H. Zumbusch. 2,271,182; Jan. 27.
Arrangement for exhausting and discharging air from and into the skin layer. G. Backhaus. 2,270,920; Jan. 27.
Article holder. W. V. Johnson. 2,271,262; Jan. 27.
Article subjected to printing ink. A. E. Juve and B. S. Garvey. 2,271,124; Jan. 27.
Attachment for telephones. W. J. Kelley. 2,271,140; Jan. 27.
Automobile heater. H. J. D. McCollum. 2,270,955; Jan. 27.
Automobile heater. H. J. D. McCollum and T. F. Spackman. 2,270,956; Jan. 27.
Automotive vehicle. J. Kolbe. 2,271,505; Jan. 27.
Azo compound and material colored therewith. J. B. Dickey and J. R. Byers, Jr. 2,271,220; Jan. 27.
Bag: *See*—
Valve bag.
Bags, Removing curing. W. J. Strong. 2,271,405; Jan. 27.
Ball and socket joint. W. A. Flumerfelt. 2,271,293; Jan. 27.
Bearing mounting. L. M. Goldsmith. 2,271,336; Jan. 27.
Bed comforter. H. C. Whitman. 2,271,281; Jan. 27.
Bed, Hospital. O. Mehr. 2,271,201; Jan. 27.
Bedspring. L. I. Cohn. 2,271,388; Jan. 27.
Bedspring lifting device. L. Herzog. 2,271,457; Jan. 27.
Bell ringing mechanism. L. Lasowsky. 2,271,084; Jan. 27.
Belt conveyer idler. C. R. Weiss. 2,271,166; Jan. 27.
Belting for use as paper felt, industrial felt, pulp felt, drier felt, and the like. P. T. Gates. 2,271,295; Jan. 27.
Bicycle. G. B. Du Bois. 2,271,255; Jan. 27.
Bin equipment. F. E. Buchholz. 2,271,250; Jan. 27.
Blade, Diaphragm. J. H. Eagle. 2,271,222; Jan. 27.
Blending machine, Hydraulic. R. C. Hopkins. 2,271,946; Jan. 27.
Boat, Collapsible. C. J. Hamlin, Jr. 2,271,338; Jan. 27.
Boiler circulating system and pump. M. Spillmann. 2,271,353; Jan. 27.
Boiler for aircraft, Waste heat. N. C. Price. 2,271,131; Jan. 27.
Boring, Subterranean. J. J. Grebe. 2,271,005; Jan. 27.
Bottle closure. W. A. Conway, Jr. 2,271,253; Jan. 27.
Bottle seal cutting and trimming device. W. F. Ross. 2,271,308; Jan. 27.
Box: *See*—
Display box.
Egg box.
Shuttle box.
Spinning box.
Brake control for bicycles, Hydraulic. H. L. Mueller. 2,271,273; Jan. 27.
Brake system, Oil field hoisting. G. G. Brown and H. Davidson. 2,271,247; Jan. 27.
Brake table with chair operator. F. C. Hanna. 2,271,007; Jan. 27.
Braking means for dual wheels. C. S. Ash. 2,270,919; Jan. 27.
Braking mechanism for railway car trucks. H. A. Moeller. 2,271,376; Jan. 27.
Brush, Bridle. C. J. Gerndt. 2,271,494; Jan. 27.
Buckle. C. E. Anderson. 2,271,471; Jan. 27.
Buckle. E. Thoresen. 2,271,132; Jan. 27.
Buckle and latch mechanism. E. Thoresen. 2,271,133; Jan. 27.
Buckle for belts. W. B. Buck. 2,271,251; Jan. 27.
Buckle, Wrist watch strap. A. O. Schoeninger. 2,271,037; Jan. 27.
Buffing and shaping machine for tires and the like. R. O. Pearson. 2,271,130; Jan. 27.
Building block or element. M. Palanti. 2,271,030; Jan. 27.
Building board bundle. J. H. Nold. 2,271,488; Jan. 27.
Building board bundle. T. T. Youngfelt and O. P. Haegle. 2,271,470; Jan. 27.
Building construction. B. E. Baldut. 2,271,472; Jan. 27.
Building construction. J. E. Hines. 2,270,846; Jan. 27.
Bumper guard or bumperette. W. R. Sing. 2,271,046; Jan. 27.
Cabinet: *See*—
Refrigerated display cabinet.
Calculating device. G. H. Gordon. 2,271,508; Jan. 27
Calculating machine. H. T. Avery. 2,271,240; Jan. 27.
Calculating machine. J. W. Bryce. 2,271,248; Jan. 27.
Calculating machine. A. W. Crowell, F. L. Merritt, and K. H. Pond. 2,271,328; Jan. 27.
Can: *See*—
Friction top can.
Can opening device. J. M. Hothersall. 2,270,879; Jan. 27.
Can seaming head, Square. A. L. Kronquest. 2,271,152; Jan. 27.
Can seaming head, Square. A. L. Kronquest and O. A. Schmitt. 2,271,153; Jan. 27.
Cane, walking stick, or the like. C. V. Giaimo. 2,271,190; Jan. 27.
Cap for broom handles and the like, Suspending. R. D. Garthwait. 2,271,189; Jan. 27.
Cape construction, Rain. C. S. McCoy. 2,271,128; Jan. 27.
Car: *See*—
Mine or similar car.
Carbon antihalation layer, Colloidal. C. J. Staud and W. J. Weyerts. 2,271,234; Jan. 27.
Carburetor. R. F. Bracke. 2,271,113; Jan. 27.
Carburetor. R. F. Bracke. 2,271,115; Jan. 27.
Carburetor. R. F. Bracke and C. W. Spohr. 2,271,116; Jan. 27.
Carcass spreader. L. De Moss. 2,270,857; Jan. 27.
Carrier. P. V. Haber. 2,271,071; Jan. 27.
Carton and carton blank. E. G. Barker. 2,271,243; Jan. 27.
Case: *See*—
Cigarette case.
Dial instrument case.
Display case.
Casein and process. Treated. J. F. Corwin and R. C. White. 2,271,389; Jan. 27.
Casing for door closing and checking devices. L. F. Schmidt. 2,271,098; Jan. 27.
Casing, Speed reducer. J. A. Tidball. 2,270,980; Jan. 27.
Casting mold. A. A. Marks and J. D. Augustine. 2,270,885; Jan. 27.

Catalysts, Manufacture of. V. Ipatieff and H. Pines. 2,271,299; Jan. 27.
Catalytic surfaces, Activating. M. H. Gwynn. 2,270,874; Jan. 27.
Cell cover assembly, Non-flood. G. A. Paddock. 2,271,129; Jan. 27.
Cement, Producing. O. Rolfsen. 2,271,276; Jan. 27.
Centrifugal separating process. A. T. Scott. 2,271,501; Jan. 27.
Centrifugal separator. N. Brewer. 2,271,493; Jan. 27.
Ceramic composition. H. Spurrier. 2,271,316; Jan. 27.
Chain. O. H. Gallamore. 2,270,858; Jan. 27.
Chain cleaning apparatus. H. D. Lathrop. 2,271,436; Jan. 27.
Chair: *See*—
Glider chair.
Chair. C. C. Dickson. 2,271,330; Jan. 27.
Chair construction. H. H. Musselman. 2,271,461; Jan. 27.
Chart holding device. N. J. Smith. 2,270,975; Jan. 27.
Check valve. T. A. St. Clair. 2,271,278; Jan. 27.
Chromite-alumina casting, Refractory ferrous. T. E. Field. 2,271,365; Jan. 27.
Chromite casting, Refractory alkaline earth. T. E. Field. 2,271,362; Jan. 27.
Chromite casting, Refractory ferrous. T. E. Field. 2,271,363; Jan. 27.
Chromite casting, Refractory. T. E. Field. 2,271,364; Jan. 27.
Cigar wrapping mechanism. B. Hellström. 2,271,009; Jan. 27.
Cigarette case. J. F. Rioux. 2,271,035; Jan. 27.
Cinematographic cartoons and puppet for use therefor, Production of animated. E. A. Shorter. 2,271,312; Jan. 27.
Circuit: *See*—
Electric control circuit. Frequency-changing circuit.
Circuit arrangement, Feedback. O. E. Keall. 2,271,197; Jan. 27.
Circuit breaker. J. G. Jackson and W. T. Allen. 2,270,950; Jan. 27.
Circuit breaker, Motor protective. J. G. Jackson. 2,271,433; Jan. 27.
Circuit breaker, Universal mercury. G. W. Seller and J. H. Roha. 2,270,905; Jan. 27.
Circuit for cathode ray tubes, Deflecting. A. R. Grenfell. 2,271,070; Jan. 27.
Clamp: *See*—
Rope clamp. Saddle clamp.
Riveting clamp.
Clamping device. F. J. Stuckert. 2,271,041; Jan. 27.
Clasp fastener, Sliding. M. Winterhalter. 2,270,985; Jan. 27.
Clip: *See*—
Counter-sham partition clip. Rib stitching clip.
Reel clip.
Clipper, Hhair. J. Oster. 2,271,029; Jan. 27.
Clothesline hanger. J. E. Cuff. 2,271,288; Jan. 27.
Clutch: *See*—
Drum clutch.
Coating for glass, Nonreflecting. H. W. Vokes. 2,271,239; Jan. 27.
Coil holder. J. C. Holdgate and W. P. Donald. 2,271,139; Jan. 27.
Coin collector. L. Vieth. 2,271,320; Jan. 27.
Coin operated machine. J. C. Wahl. 2,271,109; Jan. 27.
Coin testing device. L. P. Starkey. 2,271,104; Jan. 27.
Collar holder. R. M. Schupbach. 2,270,973; Jan. 27.
Color forming compounds containing sulphonamide groups. P. W. Vittum, W. D. Peterson, and H. D. Porter. 2,271,238; Jan. 27.
Combination lock. W. A. Peters. 2,271,204; Jan. 27.
Combustible mixtures to internal combustion engines, Supplying. R. F. Bracke. 2,271,114; Jan. 27.
Communication system, Special service. H. H. Abbott, L. J. Bowne, H. Beach, and A. Tradup. 2,270,915; Jan. 27.
Composition of matter for use as an insecticide. L. E. Smith and H. L. J. Haller. 2,271,350; Jan. 27.
Condenser: *See*—
Electrical condenser.
Condenser analyzer. J. H. Fisher. 2,271,292; Jan. 27.
Conductor arrangement for use with radio frequency apparatus. F. Hülster. 2,270,949; Jan. 27.
Connecting device. J. I. Hulshizer. 2,271,075; Jan. 27.
Connection, Splined. K. Rabe. 2,270,895; Jan. 27.
Connector: *See*—
Ductile tubing connector.
Thermocouple lead connector.
Connector device, End. F. M. and J. H. Lund. 2,271,085; Jan. 27.
Container: *See*—
Food container.
Container. H. W. Finn. 2,271,455; Jan. 27.
Container closure means therefore, and manufacture thereof, Flexible. E. B. Thomas. 2,271,279; Jan. 27.
Control for hoists. A. Cotesworth, K. W. Stinson, and F. E. Stahl. 2,270,867; Jan. 27.
Control for refrigerating devices. E. F. Dickieson, Jr. 2,270,934; Jan. 27.
Control means for flying machines with pivoted wings, Lateral. R. L. M. F. Rouanet and F. V. A. J. Rey. 2,271,509; Jan. 27.
Control mechanism for power operated gear shifting apparatus. C. Böttner. 2,271,169; Jan. 27.
Control system, Electrical remote. W. A. Appleton. 2,270,917; Jan. 27.
Controller for fluid pressure clutches. W. P. Schmitter and D. M. Schwartz. 2,271,036; Jan. 27.
Controlling means for hoists. A. Cotesworth and K. W. Stinson. 2,270,866; Jan. 27.
Conveyer, Dewatering and classifying. R. W. Dull. 2,271,417; Jan. 27.
Copper from copper sludge derived from waste industrial liquors containing lime and cellulose, Recovering. F. Hoelkeskamp and E. Knehe. 2,271,482; Jan. 27.
Cord and making such a cord, Retractile conductor. W. T. Barrans. 2,271,057; Jan. 27.
Counter balance, Rotary. J. M. Hartgering and C. M. Perkins. 2,270,843; Jan. 27.
Counter-sham partition clip. O. Sliger. 2,271,313; Jan. 27.
Coupling: *See*—
Tube coupling.
Coupling. C. Harris. 2,271,425; Jan. 27.
Course-indicating apparatus for vehicles. J. G. Hargrave and D. C. Williams. 2,271,296; Jan. 27.
Covering and flashing for roofs and the like, Composite. H. L. Martinus. 2,271,143; Jan. 27.
Cowling for aircraft. T. Theodorsen. 2,270,912; Jan. 27.
Crane construction, Hoist. R. J. Harry. 2,271,426–30; Jan. 27.
Cultivator, Rotary. A. V. Pettman. 2,271,032; Jan. 27.
Current coercing means for gyroscopes, Alternating. O. E. Esval and C. A. Frische. 2,270,876; Jan. 27.
Cutter: *See*—
Pipe cutter.
Cutter bar for road pavers, Heated. J. D. Farrell. 2,271,333; Jan. 27.
Cutting and breaking machine, Combination. H. Persson. 2,271,489; Jan. 27.
Cyclorubber derivatives, Production of purified. H. J. Cameron. 2,270,930; Jan. 27.
Cylinder dressing tool. H. A. Berkman. 2,270,854; Jan. 27.
Decalcomania and the like. J. Braverman. 2,271,413; Jan. 27.
Decalcomanias, Applying. H. C. Rathke. 2,271,491; Jan. 27.
Deicer, Wing. L. C. and W. J. Schmidt. 2,271,466; Jan. 27.
Dial instrument case. C. H. Graesser and F. H. Hopkins. 2,271,423; Jan. 27.
Die holder. H. C. Rickenbach. 2,271,500; Jan. 27.
Diffuser. F. L. Slade. 2,270,907; Jan. 27.
Direction indicator. S. M. Marcus and J. A. Zingheim. 2,271,126; Jan. 27.
Discharge and venting assembly, Multiple. W. C. Groeniger. 2,270,873; Jan. 27.
Disengaging mechanism for spring motor drives. H. C. Drotning and E. Koszalka, Jr. 2,271,221; Jan. 27.
Dispenser. E. R. Crebbs. 2,271,135; Jan. 27.
Dispenser. E. L. Williams. 2,270,914; Jan. 27.
Dispensing apparatus, Material. E. E. Franz. 2,271,188; Jan. 27.
Display box. A. C. Beardsell. 2,271,244; Jan. 27.
Display box. G. T. Henderson. 2,271,258; Jan. 27.
Display case. M. M. Franseen. 2,271,003; Jan. 27.
Display reel. G. H. Bird. 2,271,326; Jan. 27.
Distributor for stokers. E. A. Turner. 2,271,237; Jan. 27.
Distributor, Variable point. A. G. H. Vanderpoel and W. Ostling. 2,270,982; Jan. 27.
Ditch cleaning and terracing machine. C. V. Stewart. 2,271,105; Jan. 27.
Door construction, Overhead. A. V. Rowe. 2,271,309; Jan. 27.
Draft breather system for engines, Forced. A. C. Dressler. 2,271,150; Jan. 27.
Draft gear. E. P. Kinne and F. H. Kayler. 2,271,080; Jan. 27.
Drawing frame, Adjustable. B. W. Gossett and W. C. Lineberger. 2,271,191; Jan. 27.
Drill feeding mechanism, Rock. W. Noble. 2,271,025; Jan. 27.
Drilling apparatus, Rock. F. E. Sinclair. 2,271,026; Jan. 27.
Drive, Generator. A. H. Oelkers. 2,271,027; Jan. 27.
Drive, Truck. C. C. Castillo. 2,271,061; Jan. 27.
Drum clutch. H. W. Cardwell and G. G. Brown. 2,271,252; Jan 27.
Dry plate element and producing the same. F. Brunke and W. Koch. 2,271,219; Jan. 27.
Drying apparatus. W. T. Runals. 2,271,347; Jan. 27.
Dual wheel vehicle. C. S. Ash. 2,270,918; Jan. 27.
Duct, Underfloor. W. C. Robinson and J. M. G. Fullman. 2,271,465; Jan. 27.
Dyes, Sulphonamides of. W. D. Peterson and A. Weissberger. 2,271,230; Jan. 27.
Eaves trough and cover. P. N. Layton. 2,271,081; Jan. 27.
Egg box. S. O. Heiser. 2,271,008; Jan. 27.
Ejecting mechanism for headers. J. H. Friedman. 2,271,257; Jan. 27.
Electric attachment for ironing boards, etc. N. S. Reeves. 2,271,463; Jan. 27.

Electric control circuit. M. A. Edwards. 2,271,223; Jan. 27.
Electric control circuit. E. Schröter. 2,271,232; Jan. 27.
Electrical condenser. W. Mans, J. Schneidermann, O. Schneider, M. Wellhöfer, L. Linder, H. Besser, and W. Voigt. 2,270,953; Jan. 27.
Electrical conductor, Insulated. H. A. Smith and E. H. Jackson. 2,271,233; Jan. 27.
Electrically actuated heat motor. I. E. McCabe. 2,270,961; Jan. 27.
Electrolytic cell for producing insoluable metal salts. G. E. Johnson, R. G. Bowman, and W. J. Knox, Jr. 2,271,341; Jan. 27.
Engine: *See*—
Gas engine. Two-stroke cycle engine.
Internal combustion engine.
Engine. C. F. Bachle 2,270,990; Jan. 27.
Engine. C. Gardner. 2,271,068; Jan. 27.
Engine induction system, Two-stroke cycle. T. Jackson. 2,271,015; Jan. 27.
Esters from precipitation vessels, Removal of cellulose. R. Hofmann and H. Mank. 2,271,074; Jan. 27.
Exercising device. G. T. Sullivan. 2,271,164; Jan. 27.
Extraction apparatus, Countercurrent. R. F. Pfennig. 2,271,462; Jan. 27.
Eyepiece of optical instruments. J. M. Strang and C. Foster. 2,271,380; Jan. 27.
Fabric: *See*—
Knitting ornament non-run fabric.
Fabric. E. M. Murphy. 2,271,021; Jan. 27.
Fabric containing rubber thread, Treating. T. L. Shepherd. 2,271,101; Jan. 27.
Fastener: *See*—
Clasp fastener. Knob attaching fastener.
Fastener-applying device. J. M. Gambao. 2,271,479; Jan. 27.
Fastening device. J. P. Stockton. 2,271,211; Jan. 27.
Faucet. R. T. Cornelius. 2,270,932; Jan. 27.
Feeder: *See*—
Livestock feeder.
Feeder for animals. L. C. Aleshire. 2,271,450; Jan. 27.
Feeding and aligning device, Continuous form. E. J. Nichols. 2,271,306; Jan. 27.
Feeding device. J. Felber. 2,270,871; Jan. 27.
Fiber and yarn, Staple. C. Dreyfus. 2,271,184; Jan. 27.
Fibrous materials, Imparting hydrophobic properties to. L. Orthner, G. Balle, and G. Dittus. 2,270,893; Jan. 27.
Fibrous product, Cement. C. H. Schuh. 2,271,443; Jan. 27.
Field glass holder. L. C. Corcoran. 2,270,931; Jan. 27.
Films, Arrangement and process for the production of endless sound. W. Dällenbach. 2,270,996; Jan. 27.
Filter: *See*—
Wave filter.
Filter. F. P. Blair. 2,270,924; Jan. 27.
Filter. J. E. Doescher. 2,270,938; Jan. 27.
Filter. L. W. Williams. 2,271,054; Jan. 27.
Filter apparatus. H. H. Moor. 2,271,301; Jan. 27.
Filter device. T. J. Robinson. 2,270,969; Jan. 27.
Fish products, The manufacture of keepable. H. Minde. 2,271,272; Jan. 27.
Fisherman's rig and accessories. R. I. Geiger. 2,271,136; Jan. 27.
Fitting. T. W. Briegel and R. W. Asbury. 2,270,926; Jan. 27.
Flashlight. J. A. Gits. 2,271,421; Jan. 27.
Fluid operated device. E. W. McKinney. 2,271,145; Jan. 27.
Fluid-speed meter. D. K. Lippincott and M. C. White. 2,271,142; Jan. 27.
Fluids, Heating of. M. W. Barnes 2,270,863; Jan. 27.
Fluids, Purifying or otherwise treating. G. C. Unger, Jr. 2,271,446; Jan. 27.
Flush valve. A. N. Asselin. 2,270,989; Jan. 27.
Fog inhibitor for photographic developers. W. D. Peterson and R. M. Evans. 2,271,229; Jan. 27.
Folding machine. C. A Newhall. 2,270,891; Jan. 27.
Folding machine. J. R. Oliver. 2,270,963; Jan. 27.
Folding seat J. H. Tuttle. 2,270,981; Jan. 27.
Food container, Multiple compartment. I. F. Walker. 2,271,156; Jan. 27.
Food package. C. Doering. 2,270,935; Jan. 27.
Frame: *See*—
Drawing frame. Winding frame.
Frequency-changing circuit. C. C. Eaglesfield. 2,271,418; Jan. 27.
Frequency modulation system. H. Roder. 2,270,899; Jan. 27.
Friction top can. N. P. Courtney. 2,271,062; Jan. 27.
Fruit jar cover tool. L. Otto. 2,271,147; Jan. 27.
Fuel burning apparatus, Liquid. F. O. Cole. 2,270,994; Jan. 27.
Furnace. T. A. Booth. 2,271,168; Jan. 27.
Furnace. C. Harris. 2,271,424; Jan. 27.
Furnace roof construction H. C. Schuler. 2,271,045; Jan. 27.
Furniture support. W. Hofman. 2,271,496; Jan. 27.
Fusilage for hydroaircraft. C. Dornier, Jr. 2,271,065; Jan. 27.
Game and practicing device. S. W. Mears. 2,270,957; Jan. 27.
Garment finisher set, Steam. P. E. Norris. 2,271,146; Jan. 27.
Gas engine. F. Hagenmüller. 2,271,006; Jan. 27.
Gas, Making synthesis. G. Roberts, Jr., W. H. Marshall, Jr., D. W. Wilson, and P. C. Keith, Jr. 2,270,897; Jan. 27.
Gas mixtures, Separating of. P. M. Schuftan. 2,270,852; Jan. 27.
Gases with pulverulent substances, Treating. W. Rudbach. 2,270,903; Jan. 27.
Gauge: *See*—
Pressure gauge. Threadheight gauge.
Gauge for paper cutting and like machines. J. F. Jirousek. 2,270,848; Jan. 27.
Gear: *See*—
Draft gear.
Gear cutting and finishing machine. E. W. Miller. 2,271,438; Jan. 27.
Generator: *See*—
Inductor alternating current generator. Short dot generator.
Glass, Method of and apparatus for tempering. G. Monnet. 2,271,377; Jan. 27.
Glass, Tempering. B. Long. 2,271,373; Jan. 27.
Glass, Tempering. W. W. Shaver. 2,271,038; Jan. 27.
Glassworking apparatus. D. E. Gray. 2,271,004; Jan. 27.
Glider chair. C. W. Nelems. 2,271,440; Jan. 27.
Glove for golf clubs, Gripping. A. C. Link. 2,270,882; Jan. 27.
Glow tube. A. E. Reeves. 2,270,967; Jan. 27.
Grater, Portable rotary. J. Mantelet. 2,271,175; Jan. 27.
Grease gun. G. Hunt. 2,271,261; Jan. 27.
Grinder, Centerless. A. Scrivener. 2,270,974; Jan. 27.
Guiding device. R. R. Pollard and W. R. Rea. 2,271,206; Jan. 27.
Gun control mechanism. F. J. Tarris and D. Webb. 2,271,445; Jan. 27.
Hanger: *See*—
Clothesline hanger. Outlet box hanger.
Harvester mechanism. C. Neuenschwander. 2,270,890; Jan. 27.
Head-lamp construction. C. O. Sorrell. 2,271,162; Jan. 27.
Heat exchanger. E. Blais. 2,270,864; Jan. 27.
Heat exchanger apparatus. R. M. Joyce. 2,271,484; Jan. 27.
Heat exchangers, Making. B. Lewis. 2,271,437; Jan. 27.
Heater: *See*—
Automobile heater. Oil heater.
Motor vehicle heater.
Heater. E. E. Elmore. 2,270,940; Jan. 27.
Heater and defroster, Automobile. C. H. Will and H. W. Fink. 2,271,134; Jan. 27.
Heating and ventilating system. A. T. Browne. 2,271,158; Jan. 27.
Heddle barpost. J. M. Sample and J. E. Blanchard. 2,271,441; Jan. 27.
Heel jaw. C. H. Ingwer. 2,271,014; Jan. 27.
Heel, Rubber. F. B. Melley. 2,271,088; Jan. 27.
Hinge assembly. F. G. Gould. 2,271,422; Jan. 27.
Holder: *See*—
Article holder. Key holder.
Coil holder. Laundry marking pin holder.
Collar holder. Map holder.
Die holder. Piezo-electric crystal holder.
Field glass holder. Stove pipe holder.
Iron cord holder. Welding electrode holder.
Journal box packing holder. V. Ehrenhaft. 2,271,066; Jan. 27.
Hollow bodies, Manufacturing.
Hopper. H. M. Danker. 2,271,170; Jan. 27.
Hose support. T. Pous y Valdés. 2,271,490; Jan. 27.
Hydraulic pressure system. N. R. Gibson and L. S. Bernstein. 2,271,480; Jan. 27.
Hydraulic system. F. Freundel and H. Rosenthal. 2,270,943; Jan. 27.
Hydrocarbon conversion. J. Turkevich and R. F. Ruthruff. 2,271,356; Jan. 27.
Hydrocarbon conversion with suspended catalysts. S. B. Becker and E. A. Johnson. 2,271,148; Jan. 27.
Hydrocarbon products, Producing hydrogenated. R. Lepreatre. 2,271,017; Jan. 27.
Hydrocarbons, Catalytic conversion of. G. H. Morey and F. E. Frey. 2,270,887; Jan. 27.
Hydrocarbons, Isomerization of. A. J. van Peski. 2,271,043; Jan. 27.
Hydrocarbons, Synthetizing. W. Herbert. 2,271,259; Jan. 27.
Hydrogen chloride, Oxidation of. F. R. Balcar. 2,271,056; Jan. 27.
Hydrogen from gaseous hydrocarbons, Separating. A. B. Welty, Jr. 2,271,214; Jan. 27.
Hydrogen ion indicator. K. R. Eldredge. 2,271,478; Jan. 27.
Ignition lock and the like. R. E. McNamara. 2,270,850; Jan. 27.
Implement retainer. R. O. Allen. 2,270,840; Jan. 27.

Incandescent lamp. K. L. Wade. 2,271,108; Jan. 27.
Indicator: *See*—
Direction indicator. Universal flight indicator.
Hydrogen ion indicator.
Inductor alternating current generator. E. Herzog. 2,270,877; Jan. 27.
Insulator for antenna span or guy ropes. W. Peters. 2,270,964; Jan. 27.
Insulators, Making ceramic. P. Goede, L. T. Scheerman, M. G. van Bruggen, E. J. W. Verwey, and R. D. Bugel. 2,270,872; Jan. 27.
Insurance vendor. C. F. Harris. 2,271,073; Jan. 27.
Internal combustion engine. F. R. Maxwell. 2,270,849; Jan. 27.
Internal combustion engine. H. Rutishauser. 2,270,904; Jan. 27.
Internal combustion engine. C. Voorhies. 2,271,412; Jan. 27.
Internal combustion engine, Rotary. E. J. Serpas. 2,271,402; Jan. 27.
Internal combustion engine, Rotary. E. J. Serpas. 2,271,404; Jan. 27.
Internal combustion engine, Rotary liquid fuel injecting. E. J. Eerpas. 2,271,403; Jan. 27.
Interpolymers, Three component. H. W. Arnold. 2,271,384; Jan. 27.
Iron: *See*—
Pressing iron.
Iron cord holder. W. T. Davis. 2,270,997; Jan. 27.
Iron with illuminating device. B. B. Harding. 2,271,371;
Jack: *See*—
Pumping jack.
Joint: *See*—
Ball and socket joint. Swivel joint.
Journal box packing holder. C. L. Carnlus. 2,271,117; Jan. 27.
Key hold for handbags, Ornamental. N. L. Fulton. 2,271,393; Jan. 27.
Key holder. I. Newman. 2,271,090; Jan. 27.
Key, Self-ejecting. W. Spiro. 2,271,048; Jan. 27.
Kinetic pump. W. H. Tinker. 2,270,911; Jan. 27.
Knife, Fur cutting. A. S. Schaftel. 2,270,970; Jan. 27.
Knife, Putty. F. R. Bussert. 2,271,285; Jan. 27.
Knitting machine. W. E. Booton, J. W. Stretton, and J. H. Booton. 2,271,386; Jan. 27.
Knitting machine. C. Moses. 2,271,302; Jan. 27.
Knitting machine, Straight bar. G. Wilders and W. G. Macdonald. 2,271,381; Jan. 27.
Knitting ornamental nonrun fabric. W. E. Sheeler. 2,270,853; Jan. 27.
Knob attaching fastener. H. W. Kost. 2,271,266; Jan. 27.
Knotter for neckties. J. Fruns. 2,271,067; Jan. 27.
Krypton and xenon from air, Separation of. H. Kahle. 2,270,880; Jan. 27.
Lamp: *See*—
Incandescent lamp.
Lapping and grinding composition, Nondrying water-washable. D. K. Murray and J. M. Olson. 2,270,888; Jan. 27.
Latching mechanism for cabinet drawers and the like. E. R. Houston, J. F. Dachlet, and J. L. Hauser. 2,271,431; Jan. 27.
Laundry marking machine. G. N. Strike and J. Griesinger. 2,271,106; Jan. 27.
Laundry marking pin holder. H. Hirsch and F. G. Rees. 2,271,297; Jan. 27.
Lens grinding machine. R. E. Fosdick. 2,271,334; Jan. 27.
Lens mount. C. M. Lee. 2,271,227; Jan. 27.
Light: *See*—
Sewing machine light.
Light indicator or detector for vehicles, Rear. W. J. Webster. 2,271,110; Jan. 27.
Light shades, Producing. A. and H. Blomberg. 2,271,179; Jan. 27.
Light shutter mechanism. B. Stechbart. 2,271,235; Jan. 27.
Line blind. L. S. Hamer. 2,271,138; Jan. 27.
Lining for metal containers, Protective. W. Hestermann. 2,270,845; Jan. 27.
Liquors, Preparing alkyl sulphate. G. A. Perkins and J. A. Davies. 2,271,092; Jan. 27.
Listing machine. H. F. Robinson. 2,270,898; Jan. 27.
Livestock feeder. A. Billingsley. 2,270,992; Jan. 27.
Locating pin. F. A. Oddie. 2,271,399; Jan. 27.
Lock: *See*—
Combination lock.
Locking bar actuating mechanism. G. H. Jones and P. D. Nielsen. 2,271,396; Jan. 27.
Locking device for air chucks. W. H. Longstreet. 2,271,269; Jan. 27.
Loop and stitch forming device. E. D. Davis. 2,271,477; Jan. 27.
Lubrication of blades in hair clippers. L. J. Wahl. 2,271,053; Jan. 27.
Machine for and method of making raised bottom baskets. S. H. Hunt. 2,271,395; Jan. 27.
Machine tool. O. J. Anderson. 2,270,860–1; Jan. 27.
Magazine phonography. E. Compare. 2,270,995; Jan. 27.
Magnesium, Treating. C. E. Nelson. 2,271,023; Jan. 27.
Magnetic material and making the same. J. L. Snoek. 2,271,040; Jan. 27.
Map holder. G. Howe. 2,270,948; Jan. 27.
Match, Book. G. H. Rapaport and F. W. Stone. 2,271,155; Jan. 27.
Material handling apparatus, Portable. C. S. Johnson. 2,271,434; Jan. 27.
Measuring apparatus, Fuel testing. G. F. McKay. 2,271,144; Jan. 27.
Meat chilling method and apparatus. A. S. Hartanov and F. B. Bratek. 2,271,481; Jan. 27.
Mercaptothiazine spiro compounds and making same. P. S. Pinkney. 2,271,400; Jan. 27.
Metal surfaces, Coating. C. J. MacKay. 2,271,374–5; Jan. 27.
Metal, Treating strip. F. J. Herman, W. F. McGarrity, and L. D. Woodworth. 2,271,372; Jan. 27.
Metallic members and joint thereby produced, Joining. M. R. Scott. 2,271,210; Jan. 27.
Metals and metal alloys in finely divided form for the manufacture of dental amalgams, Conversion of. E. Kaufmann and W. Truthe. 2,271,264; Jan. 27.
Meter: *See*—
Fluid-speed meter.
Meter. S. J. A. M. Bagno. 2,270,991; Jan. 27.
Metering valve. R. W. De Lancey. 2,271,183; Jan. 27.
Method and apparatus for coating materials and articles. H. W. Pleister. 2,271,094; Jan. 27.
Method and apparatus for crimping box straps. C. Schmutzer and K. Manrodt. 2,270,971; Jan. 27.
Method and apparatus for heat treating and sintering. J. S. Pecker and H. A. Simpson. 2,271,091; Jan. 27.
Method and apparatus for manipulating slabs and the like. W. C. Weidner and A. M. Keller. 2,271,213; Jan. 27.
Method and apparatus for waving hair. B. F. Davis. 2,270,933; Jan. 27.
Method of heat-treating materials in processes such as production of Portland cement or reduction of ores. M. W. Ditto and R. F. Leftwich. 2,270,870; Jan. 27.
Mill: *See*—
Rolling mill.
Mine or similar car. R. W. Joy. 2,271,195; Jan. 27.
Mixing apparatus. F. D. Miller. 2,270,958; Jan. 27.
Mixing tank. H. D. Hyman. 2,270,847; Jan. 27.
Modulating system. W. F. Kannenberg. 2,271,078; Jan. 27.
Moistureproofing composition. W. H. Bryce. 2,271,492; Jan. 27.
Mold: *See*—
Casting mold.
Molding machine or similar press, Injection. P. De Mattia. 2,271,019; Jan. 27.
Molecular weight substance, High. M. Pier and F. Christmann. 2,271,093; Jan. 27.
Mop construction or the like. W. H. Zachry. 2,271,167; Jan. 27.
Motor: *See*—
Electrically actuated heat motor.
Motor assembly, Outboard. K. H. MacKay. 2,271,174; Jan. 27.
Motor vehicle body. C. F. W. Borgward. 2,271,246; Jan. 27.
Motor vehicle heater. T. F. Spackman. 2,270,977; Jan. 27.
Mounting: *See*—
Bearing mounting. Ophthalmic mounting.
Mower, Lawn. G. D. Ahrgal. 2,271,283; Jan. 27.
Multiplying and accounting machine. J. W. Bryce and G. F. Daly. 2,271,249; Jan. 27.
Nipple-applying tool. E. A. Dolph. 2,271,064; Jan. 27.
Nozzle, Air. F. H. Chirgwin. 2,271,327; Jan. 27.
Nozzle, Gasoline. V. Fina and W. F. Hoelzer. 2,271,151; Jan. 27.
Nut, Self-locking. F. Lehre. 2,271,267; Jan. 27.
Oil, Core. W. J. Hough. 2,270,947; Jan. 27.
Oil heater, Portable. J. H. Hupfer. 2,271,076; Jan. 27.
Oil, Lubricating. A. A. Schilling. 2,271,044; Jan. 27.
Oils, Conversion of hydrocarbon. L. C. Huff. 2,271,298; Jan. 27.
Oils, Conversion of hydrocarbon. C. L. Thomas and J. E. Ahlberg. 2,271,317–19; Jan. 27.
Oils, Treating hydrocarbon. J. K. Roberts. 2,271,095; Jan. 27.
Oils, Treating hydrocarbon. R. F. Ruthruff and C. F. Feuchter. 2,271,096; Jan. 27.
Oils, Treating hydrocarbon. R. F. Ruthruff and J. K. Roberts. 2,271,097; Jan. 27.
Operating apparatus for grabs or the like. P. J. M. T. Allard. 2,270,916; Jan. 27.
Ophthalmic mounting. F. T. Bushell. 2,270,855; Jan. 27.
Outlet box hanger. D. Kees and J. W. Hankins. 2,271,504; Jan. 27.
Package holding device, Textile. G. Repass. 2,271,345; Jan. 27.
Packaging. R. G. Peck, Jr. 2,271,161; Jan. 27.
Packing and cushioning element. D. A. Brugger. 2,271,180; Jan. 27.
Palette, Artist's. E. Ford. 2,271,294; Jan. 27.
Panel. C. V. Sweet. 2,271,355; Jan. 27.
Paper money counter. T. E. Hayes. 2,271,394; Jan. 27.

Parachute attachment for aircraft. R. H. Goddard. 2,271,224; Jan. 27.
Pedal actuating device, Accelerator. G. A. Rubissow. 2,270,901; Jan. 27.
Pencil, Mechanical. F. C. Deli and E. Petau, and F. D. Woods. 2,271,329; Jan. 27.
Pencil, Mechanical. E. R. Johnson. 2,271,483; Jan. 27.
Pest control. N. E. Searle. 2,271,378; Jan. 27.
Phonograph, Recording and reproducing. E. V. Schneider. 2,270,972; Jan. 27.
Phosphate, Production of anhydrous monocalcium. F. B. Carpenter, Jr., and W. K. Enos. 2,271,361; Jan. 27.
Phosphatidic composition. B. H. Thurman. 2,271,409–10; Jan. 27.
Phosphatidic compounds. M. Mattikow. 2,271,127; Jan. 27.
Photographic film subbed with hardened gelatin. G. F. Nadeau and C. B. Starck. 2,271,228; Jan. 27.
Photographic images, Manufacture of color. B. Gaspar. 2,271,176; Jan. 27.
Pickling machine. S. Nyberg. 2,270,892; Jan. 27.
Pickup or tone arm for phonographs and the like. H. V. Slade and F. J. Offen. 2,271,039; Jan. 27.
Piezoelectric crystal apparatus. H. J. McSkimin. 2,270,906; Jan. 27.
Piezo-electric crystal holder. R. Bechmann and W. Schneider. 2,270,922; Jan. 27.
Pigments, Flushing. E. G. Yee. 2,271,323–4; Jan. 27.
Pilot for aircraft, Gyro vertical and automatic. G. N. Hanson and O. E. Esval. 2,270,875; Jan. 27.
Pin: *See*—
Locating pin.
Pipe cutter. T. Petersen. 2,271,033; Jan. 27.
Pipe fitting. B. A. Young. 2,271,282; Jan. 27.
Piston. A. V. Nicolle and P. White. 2,271,024; Jan. 27.
Piston machine, Rotary. P. Sobek. 2,270,976; Jan. 27.
Plant growths, Treatment of. C. G. Tenger. 2,271,212; Jan. 27.
Plastic sheets, Treating. G. Hinz. 2,271,192; Jan. 27.
Plate clamping mechanism for printing machines. W. F. Huck. 2,271,160; Jan. 27.
Plow disk. C. G. Strandlund. 2,271,354; Jan. 27.
Plug: *See*—
Tire repair plug.
Plug assembling machine, Electric. C. H. Judisch. 2,271,077; Jan. 27.
Pocketknife. G. M. Schrade. 2,270,851; Jan. 27.
Press. E. Riemenschneider. 2,270,968; Jan. 27.
Pressing iron. S. Dowinsky. 2,271,289; Jan. 27.
Pressure gauge. W. H. Longstreet. 2,271,268; Jan. 27.
Pressure relief check valve. A. T. Newell. 2,271,497; Jan. 27.
Printed or dyed matter, Fade resistant. J. Bjorksten. 2,271,112; Jan. 27.
Printing blanket, Offset. A. E. Juve. 2,271,125; Jan. 27.
Projectile, Gas producing. C. R. Weinert. 2,271,280; Jan. 27.
Propeller, Controllable pitch. G. T. Lampton. 2,271,435; Jan. 27.
Propeller hub construction, Variable pitch. P. Di Cesare. 2,271,149; Jan. 27.
Protector. J. S. Kirby. 2,271,265; Jan. 27.
Pull for radios and the like, Nonvibrating. A. L. Birdsall. 2,270,923; Jan. 27.
Pump: *See*—
Kinetic pump.
Pump. C. D. Nelson. 2,271,022; Jan. 27.
Pump for steam generators, Circulating. M. Spillmann. 2,271,352; Jan. 27.
Pumping jack. A. R. Maier. 2,271,086; Jan. 27.
Radiator hose and drain. C. Saurer. 2,271,349; Jan. 27.
Rail puller. R. L. Shambaugh. 2,271,311; Jan. 27.
Railway hopper car construction. H. W. Reynolds and E. C. Roesener. 2,271,464; Jan. 27.
Reading stand and book carrier, Combination. J. J. Sampson. 2,271,348; Jan. 27.
Receptacle. H. F. and R. T. Baxter. 2,271,284; Jan. 27.
Record changing apparatus for phonographs and the like. H. J. Fortune. 2,271,001; Jan. 27.
Record selecting and presenting device. F. F. C. Rippon. 2,270,896; Jan. 27.
Rectifier and battery charger, Controlled. W. P. Overbeck. 2,270,894; Jan. 27.
Rectifier system. R. B. J. Brunn. 2,271,181; Jan. 27.
Reel: *See*—
Display reel.
Reel clip. R. I. Geiger. 2,271,335; Jan. 27.
Refractory, Cast. G. S. Fulcher and T. E. Field. 2,271,368; Jan. 27.
Refractory product, Cast. T. E. Field. 2,271,366; Jan. 27.
Refrigerated display cabinet. C. Q. Sherman. 2,271,103; Jan. 27.
Refrigerating means for vehicles. F. B. Conlon. 2,271,415; Jan. 27.
Refrigerator. W. T. Hedlund. 2,270,844; Jan. 27.
Refuse body. P. Schultz and G. W. Kuhlman. 2,271,444; Jan. 27.
Relay, Electromagnetic. T. R. Rayner and A. O. Maring. 2,270,966; Jan. 27.
Relay system, Ultra high frequency. H. O. Peterson. 2,270,965; Jan. 27.
Remote control arrangement. E. Rhein. 2,271,207; Jan. 27.
Reproduction of an article, Forming a. R. W. Erdle, H. Soller, and P. H. Beier. 2,271,454; Jan. 27.
Resins, Manufacture of pentaerythritol-polycarboxylic acid. K. Nagel and F. Koenig. 2,270,889; Jan. 27.
Resistance device. B. Sauer. 2,271,208; Jan. 27.
Resonance unit, Compound. E. E. Wilson. 2,271,055; Jan. 27.
Rib stitching clip. W. E. Hirtensteiner. 2,270,878; Jan. 27.
Rinsing apparatus. I. L. Caruolo. 2,271,118; Jan. 27.
Riveting clamp. J. H. Hutchings. 2,271,012; Jan. 27.
Rolling mill. W. M. McConnell. 2,271,459; Jan. 27.
Roof, Metal trussless. J. F. Biaski. 2,271,451; Jan. 27.
Rope clamp. H. M. McLearn. 2,271,270; Jan. 27.
Rubber and product of the method, Making closed-cell cellular hard. R. L. Overstreet. 2,271,498; Jan. 27.
Rubber cushion material, Making. W. Binns. 2,271,058; Jan. 27.
Rubber impregnated and coated web. E. Lionne. 2,271,458; Jan. 27.
Rubber process. T. L. Shepherd. 2,271,102; Jan. 27.
Rubber, Vulcanization of. P. C. Jones. 2,271,123; Jan 27.
Rubber, Vulcanizing. M. W. Harman. 2,271,122; Jan. 27.
Rubberlike materials, Stabilization of synthetic. H. Murke and W. Becker. 2,270,959; Jan. 27.
Saddle clamp. R. W. Faulhaber. 2,271,256; Jan. 27.
Safety control. R. E. Zeruneith. 2,271,359; Jan. 27.
Safety switch. J. R. Clark. 2,270,993; Jan. 27.
Sand separator for deep wells. G. S. Fosnaugh. 2,271,002; Jan. 27.
Saponification, Continuous process of. I. M. Colbeth. 2,270,856; Jan. 27.
Sawing device. J. Ochoa. 2,271,398; Jan. 27.
Screen for stripe-composite stereoscopic pictures. N. T. Kaszab. 2,271,196; Jan. 27.
Screw and washer assembling machine and method. C. G. Olson. 2,271,028; Jan. 27.
Seal for flexible couplings, Oiltight. L. B. Case. 2,271,060; Jan. 27.
Seal, Rotary. L. H. Browne. 2,270,927; Jan. 27.
Seal, Shaft. L. H. Browne. 2,270,928; Jan. 27.
Seat: *See*—
Folding seat. Valve seat.
Separator: *See*—
Centrifugal separator.
Sewage treating method and apparatus. M. W. Ditto and R. F. Leftwich. 2,270,869; Jan. 27.
Sewing machine light, Adjustable. M. Ingwer and W. W. Schwarz. 2,271,194; Jan. 27.
Shade construction, Light-tight. F. W. Swormstedt. 2,270,978; Jan. 27.
Shaft lubricating and sealing means. J. L. L. A. A. Moulet. 2,271,303; Jan. 27.
Sheet handling apparatus. J. E. Fortescue and H. H. Greer. 2,271,187; Jan. 27.
Shelf supporting device. C. C. Wilson. 2,271,469; Jan. 27.
Shoe finding. C. H. Boys. 2,271,474; Jan. 27.
Shoe form and attachment. C. Doering and B. J. Skoglund. 2,270,937; Jan. 27.
Shoe form and holder. C. Doering and B. J. Skoglund. 2,270,936; Jan. 27.
Short dot generator. J. L. Finch. 2,271,186; Jan. 27.
Showcase structure, Knockdown. W. A. Gross. 2,271,121; Jan. 27.
Shutter and flash synchronizer for cameras. I. Jacobson. 2,271,340; Jan. 27.
Shuttle box. E. Pfarrwaller. 2,271,205; Jan. 27.
Sign. C. Hendricks. 2,271,456; Jan. 27.
Signal apparatus. F. R. Bridges. 2,270,925; Jan. 27.
Signal-translating channel, Amplitude-limiting. J. J. Okrent. 2,271,203; Jan. 27.
Signaling apparatus, Automatic. H. E. Marsh and F. Iluhn. 2,271,177; Jan. 27.
Silk by the funnel stretch-spinning process, Producing high-strength artificial. G. von Wyss, F. Biffi, P. Franchetti, E. Sellner, and A. Luchtenberg. 2,271,357; Jan. 27.
Ski harness. E. H. Carroll. 2,271,452; Jan. 27.
Slide. S. Spizer. 2,270,909; Jan. 27.
Slide for multiple fasteners. M. Winterhalter. 2,270,984; Jan. 27.
Slide, Take-off. R. B. Best. 2,271,385; Jan. 27.
Slider for separable fasteners. M. H. Lange. 2,271,141; Jan. 27.
Snap fastener and snap fastener installation. C. L. Hall. 2,271,495; Jan. 27.
Snubber. D. M. Light. 2,271,486; Jan. 27.
Soap, Making. B. H. Thurman. 2,271,406; Jan. 27.
Soap product. B. H. Thurman. 2,271,408; Jan. 27.
Soap product and making the same. B. H. Thurman. 2,271,407; Jan. 27.
Soldering iron, Heat-choke. L. P. Young. 2,271,325; Jan. 27.
Soldering, Process of silver. J. E. Woods. 2,270,987; Jan. 27.
Sound equalizer reproducer system. E. H. Scott. 2,271,100; Jan. 27.

Spacer for form boards. H. P. Neptune. 2,271,089; Jan. 27.
Speech transmission system. W. V. Lovell. 2,271,000; Jan. 27.
Spinning box. H. J. McDermott. 2,270,998; Jan. 27.
Spraying machine for spraying travelling articles, Automatic. F. E. Sanborn. 2,271,442; Jan. 27.
Springs, Manufacturing. C. W. Wulff. 2,271,111; Jan. 27.
Spud construction, Reclinable. J. D. Rauch. 2,271,344; Jan. 27.
Starting and change-over operating mechanism for motion picture projection machines, Automatic. L. B. Mead. 2,270,886; Jan. 27.
Starting device. S. Yaskin. 2,271,216; Jan. 27.
Starting means for internal combustion engines. C. H. L. Wynne, H. C. Tryon, and F. R. F. Ramsay. 2,271,383; Jan. 27.
Steel alloy. J. H. Taylor. 2,270,979; Jan. 27.
Steel, Making nonaging. C. L. Altenburger. 2,271,242; Jan. 27.
Stencil. C. E. Frick. 2,270,944; Jan. 27.
Stencil and making same, Sandblasting. C. E. Frick. 2,270,945; Jan. 27.
Stereopticon slide. P. Fischer. 2,270,942; Jan. 27.
Stethoscope, Three-tone. J. Smithline. 2,271,467; Jan. 27.
Stoker. C. J. Surdy. 2,271,236; Jan. 27.
Stoker, Locomotive. D. H. Corey. 2,270,865; Jan. 27.
Stoker, Locomotive. N. M. Lower. 2,270,883; Jan. 27.
Stoker, Locomotive. E. Martin. 2,271,018; Jan. 27.
Stoker, Locomotive. C. J. Surdy. 2,271,042; Jan. 27.
Stop motion. C. C. Blom. 2,271,178; Jan. 27.
Stovepipe holder. A. J. Van Curler. 2,271,447; Jan. 27.
Strainer structure. W. L. Cheshier. 2,271,286; Jan. 27.
Strap device, Wareroller. L. Lang. 2,270,881; Jan. 27.
Straw for textile purposes, Decomposing maize. F. Baudisch. 2,271,218; Jan. 27.
Structural element. K. Kieser. 2,271,079; Jan. 27.
Structure, Skin covered. A. Craigon. 2,271,287; Jan. 27.
Submarine mine, Floating. L. A. Dunajeff. 2,271,185; Jan. 27.
Sugars of two to four carbon atoms, Hydrogenation of. E. J. Lorand. 2,271,083; Jan. 27.
Superhydrone. F. Roscher. 2,271,277; Jan. 27.
Support: *See*—
  Antivibrating resilient support. Furniture support. Hose support.
Switch: *See*—
  Safety switch.
Switch. M. L. Jeffrey. 2,270,951; Jan. 27.
Switch mechanism. A. Flad and E. Schimann. 2,271,420; Jan. 27.
Swivel joint. C. L. Charles. 2,271,387; Jan. 27.
System for burning bark. J. P. Badenhausen. 2,271,157; Jan. 27.
Table. J. C. Viehmann. 2,271,448; Jan. 27.
Table leg fixture. A. M. Ellington. 2,271,332; Jan. 27.
Tachometer. P. Whitcomb and H. S. Moore. 2,271,215; Jan. 27.
Tank: *See*—
  Mixing tank.
Tank closure. F. G. Thwaits. 2,271,411; Jan. 27.
Tanning substances, Manufacture of. R. Biedermann. 2,271,245; Jan. 27.
Target, Cinematographic. I. F. Mandell. 2,271,199; Jan. 27.
Telephone system. C. W. Halligan and W. H. T. Holden. 2,271,072; Jan. 27.
Television broadcast system. H. A. Wheeler. 2,271,322; Jan. 27.
Temperature control system, Load compensating. L. L. Cunningham. 2,271,453; Jan. 27.
Temperatures in simultaneously conducted endothermic and exothermic reactions, Controlling. M. P. Venema. 2,270,913; Jan. 27.
Textile materials, Production of. A. Lyem. 2,271,198; Jan. 27.
Thermal operator. W. A. Ray. 2,271,307; Jan. 27.
Thermocouple lead connector. H. A. Mantz. 2,271,507; Jan. 27.
Thermoelectric safety device. H. A. Mantz. 2,271,506; Jan. 27.
Thermometer. D. L. De Witt. 2,271,254; Jan. 27.
Thermometer, Industrial. A. B. Hohmann. 2,271,193; Jan. 27.
Thermostatic unit. J. J. McMahon. 2,271,020; Jan. 27.
Thread controlling mechanism. R. Abrams. 2,270,859; Jan. 27.
Thread height gauge. C. H. and R. C. Allen. 2,271,217; Jan. 27.
Timing mechanism. I. E. McCabe. 2,270,962; Jan. 27.
Tin and electrodeposition, Electrodeposited. M. Schlötter. 2,271,209; Jan. 27.
Tire and wheel structure. R. J. Hull and W. Billingsley. 2,271,432; Jan. 27.
Tire, Pneumatic. J. E. Hale and A. Hargraves. 2,271,337; Jan. 27.
Tire repair plug. P. E. Hawkinson. 2,271,339; Jan. 27.
Tire valve deflator. H. Z. Gora. 2,271,370; Jan. 27.
Toaster. L. J. Koci. 2,271,485; Jan. 27.
Tobacco feed for cigarette machines. C. Arelt. 2,270,862; Jan. 27.
Toe rest for shoe machines. S. J. Finn. 2,270,941; Jan. 27.
Tool: *See*—
  Cylinder dressing tool. Machine tool. Fruit jar cover tool. Nipple-applying tool.
Tool. K. C. Bugg. 2,270,929; Jan. 27.
Tool. E. Echikson. 2,271,290; Jan. 27.
Tool for forming lugs on caps. K. E. Swangren. 2,271,107; Jan. 27.
Tractor or other vehicle wheel. M. E. R. Bernardon. 2,271,360; Jan. 27.
Traffic signaling system. K. Mullerheim. 2,271,305; Jan. 27.
Trailer, Aerial. F. G. Manson. 2,270,884; Jan. 27.
Trailer unit. G. K. Mulholland. 2,271,304; Jan. 27.
Tramway, Aerial bucket. E. J. Lloyd. 2,271,082; Jan. 27.
Transmission, Electromagnetic. H. K. Maier. 2,271,087; Jan. 27.
Transmitter or receiver of the motorlike type. W. Fielitz and A. Schlindwein. 2,270,999; Jan. 27.
Truing apparatus for abrading machines. H. S. Indge. 2,271,013; Jan. 27.
Tube: *See*—
  Glow tube.
Tube coupling. E. B. Crawford. 2,271,159; Jan. 27.
Tubers to destroy parasites, Treating. W. E. de Mol. 2,271,171; Jan. 27.
Tubes, Making metal. J. E. Woods. 2,270,988; Jan. 27.
Tubing bleeder for oil well pumps. H. B. Lee. 2,270,952; Jan. 27.
Tubing connector, Ductile. R. E. Snyder. 2,271,502; Jan. 27.
2-methyl-4-amino-pyrimidine, Manufacture of derivatives of. H. M. Wuest and M. Hoffer. 2,271,503; Jan. 27.
Two-stroke cycle engine. D. H. Hubbard. 2,271,011; Jan. 27.
Typewriter attachment for articles of furniture. C. R. Reitzel and A. T. Baumert. 2,271,241; Jan. 27.
Universal flight indicator. E. A. Sperry, Jr. 2,271,315; Jan. 27.
Valve: *See*—
  Check valve. Pressure relief check valve. Flush valve. Metering valve.
Valve. L. D. Drake. 2,271,391; Jan. 27.
Valve. G. R. Elliott. 2,271,331; Jan. 27.
Valve. J. E. O'Donnell. 2,271,274; Jan. 27.
Valve. W. E. Sloan. 2,271,047; Jan. 27.
Valve bag. H. H. Crawford. 2,270,842; Jan. 27.
Valve construction. J. J. Egan. 2,271,419; Jan. 27.
Valve for carburetors and other conduits, Throttle. E. Dodson. 2,271,390; Jan. 27.
Valve lock and wrench. R. Clade. 2,271,475; Jan. 27.
Valve mechanism for liquid pressure control systems. S. M. Parker. 2,271,031; Jan. 27.
Valve seat. L. S. Hamer. 2,271,137; Jan. 27.
Vehicle: *See*—
  Automotive vehicle. Dual wheel vehicle.
Vehicle body. K. Schafer. 2,271,310; Jan. 27.
Vending apparatus. H. S. Cohn. 2,271,476; Jan. 27.
Vending apparatus, Coin-controlled change-making. H. N. McDermott. 2,271,397; Jan. 27.
Vending machine. M. L. Smith. 2,270,908; Jan. 27.
Ventilating apparatus. F. Honerkamp. 2,271,010; Jan. 27.
Vibrator. H. Bartels. 2,270,921; Jan. 27.
Vibrator, Platform foot and body. R. W. Worthington. 2,271,382; Jan. 27.
Volumetric command-device for controlling the operation of engines. G. A. Rubissow. 2,270,900; Jan. 27.
Wall paper sample device. G. Rosenberger. 2,271,346; Jan. 27.
Wall, Soundproof. H. Eckardt. 2,270,939; Jan. 27.
Wardrobe, Screen. P. S. Goldrich. 2,271,069; Jan. 27.
Warning device for typewriters. A. R. Brun. 2,271,414; Jan. 27.
Warp control in power looms. A. Moessinger. 2,271,202; Jan. 27.
Wash fastness of sizes with chloral addition products. L. H. Bock and A. L. Houk. 2,270,841; Jan. 27.
Washer and bolt assembly machine. K. Niskanen. 2,271,154; Jan. 27.
Water clarification and supply system. H. A. Watson. 2,271,165; Jan. 27.
Water control for closet tanks. B. Svirsky. 2,270,910; Jan. 27.
Water heating apparatus. L. F. Whitney. 2,271,449; Jan. 27.
Water system. J. W. Ornell. 2,271,343; Jan. 27.
Water-treating compound. C. W. Rice. 2,271,499; Jan. 27.
Wave filter. W. P. Mason. 2,271,200; Jan. 27.
Wave translating system. J. O. Edson. 2,271,291; Jan. 27.
Welding electrode holder. J. C. Cox and S. P. Graham. 2,271,119; Jan. 27.
Weld-rod coating and method thereof. G. Wilkes, L. E. MacFayden, D. S. Rice, and G. L. Alpaugh. 2,271,358; Jan. 27.
Wheel: *See*—
  Tractor or other vehicle wheel.
Wheel brake adjuster. W. J. Wisniewski. 2,270,986; Jan. 27.

Wheel for crawler tractors, Rear sprocket. J. G. Heaslet. 2,271,172; Jan. 27.
Winding frame. H. Treckmann and C.-G. Rosenkranz. 2,271,049–50; Jan. 27.
Winding frame. H. Treckmann and C.-G. Rosenkranz. 2,271,051; Jan. 27.
Window wiper and common master control valve therefor, Plural automobile. D. Platt and J. W. Boothe. 2,271,231; Jan. 27.
Windshield cleaning unit. J. G. Heffernan. 2,271,225; Jan. 27.
Windshields, Method of and means for protecting the exposed faces of automobile. M. O. Schur. 2,271,099; Jan. 27.
Wire and making same, Barbed. R. J. Southwell. 2,271,314; Jan. 27.
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X-ray transformer housing. C. B. Horsley. 2,271,260; Jan. 27.
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CLASSIFICATION OF PATENTS

ISSUED JANUARY 27, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Notice

The Acting Secretary of the Treasury, in a communication dated December 17, 1941, has informed the Patent Office as follows:

"It is understood that a question has been raised by you as to whether Executive Order No. 8389, as amended, and the Regulations issued pursuant thereto, still permit the filing and prosecuting of applications for patents by, and the issuance of Letters Patent to, nationals of countries with which the United States is now at war.

"You are informed that with respect to Japan, and nationals thereof, all general and specific licenses were revoked on December 7, 1941, by Public Circular No. 8, a copy of which is enclosed. However, on December 15, 1941, the Treasury Department issued General License No. 68A unblocking, subject to the provisions of paragraph two of that general license, the accounts of Japanese nationals who have resided continuously within the continental United States since June 17, 1940, and the accounts of business enterprises within the United States owned or controlled by such Japanese nationals. There are enclosed for your information a copy of General License No. 68A and the Press Release issued on December 15, 1941. This Department will be glad to keep you advised of any further action taken with respect to Japanese nationals which may be of interest to your Office. In the meantime, of course, this Department will give consideration to any specific applications for licenses which may be filed by nationals of Japan with respect to patent matters.

"With respect to nationals of Germany and Italy and other countries which may be at war with the United States, the Department has not taken the same action as was taken with respect to Japanese nationals. General Licenses No. 72 and No. 5, issued under the Executive Order, are still outstanding and in effect with respect to Germany, Italy and such other countries. Therefore, in so far as Executive Order No. 8389, as amended, is concerned, these general licenses still authorize, subject to the terms thereof, the filing and prosecution in the United States Patent Office of applications for patents and the receipt of Letters Patent by nationals of Germany, Italy and such other countries as may be at war with the United States, and the payment of fees to the Patent Office by such nationals."

CONDER C. HENRY,
Assistant Commissioner.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Dec. 16, 1941.*

The Pogo Company, its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Philip de Journo, 124 Peachtree Memorial Drive, Atlanta, Ga., to effect the cancellation of trade-mark registration of The Pogo Company, 35–37 East 10th St., New York, N. Y., No. 176,107, dated November 20, 1923, and the notice of such proceeding sent by registered mail to the said The Pogo Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Pogo Company, its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

2,074,601.—*Ira M. Wells,* Oakland, Calif. Road-Grader Moldboard Control Means. Patent dated March 23, 1937. Disclaimer filed December 11, 1941, by the assignee, *Western-Austin Company.*

Hereby enters this disclaimer to claim 4 in said specification.

2,208,428.—*Constant E. Nicolet,* Syracuse, N. Y. Apparatus for Controlling Compressor Capacity. Patent dated July 16, 1940. Disclaimer filed December 11, 1941, by the assignee, *Carrier Corporation.*

Hereby enters this disclaimer to claims 1 and 12 of said patent.

Adjudicated Patents

(D. C. N. J.) Hecking patent, No. 1,909,616, for pen, pen-point and process of making same, *Held* invalid. *Pfanstiehl Chemical Co.* v. *American Platinum Works,* 41 F. Supp. 449.

(D. C. N. Y.) Rambusch and Anderson patent, No. 2,179,161, for illuminating device, claims 19 and 20 *Held* valid and not infringed. *Rambusch Decorating Co.* v. *A. Ward Hendrickson & Co.,* 41 F. Supp. 512.

Condition of Applications Under Examination at Close of Business December 20, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,480; Trade-Mark Division, 1,195. Oldest new case, Apr. 2, 1941; oldest amended, Apr. 2, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 10	May 7	702
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 3	June 28	614
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 30	Sept. 26	493
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 9	Aug. 11	507
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 21	July 22	482
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	May 24	June 9	945
5725	7. JARBOE, C. G., Optics; Photography	June 30	June 16	1012
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	June 25	839
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 25	July 29	545
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 19	May 23	700
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 24	Sept. 2	331
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	July 21	July 21	571
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 6	May 24	610
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 2	Sept. 2	541
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 28	May 26	1175
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 4	Sept. 4	433
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 7	June 9	765
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 18	July 19	492
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 23	June 30	684
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	June 28	379
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 31	Aug. 16	288
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 2	Apr. 2	1397
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	214
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 9	July 31	742
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 31	July 31	529
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 11	Aug. 6	353
5706	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 30	June 14	525
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	June 7	June 14	246
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 26	June 28	721
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 19	Sept. 25	315
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 9	July 7	1446
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 9	June 12	809
6006	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 14	June 7	808
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	June 27	June 14	354
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	May 7	June 5	899
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 29	July 12	585
5696 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 12	Sept. 10	479
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 17	May 15	704
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 3	Sept. 2	417
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	June 6	June 6	1615
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 17	July 18	555
5882	42. CUTTING, H. O., Electric Signaling	Aug. 7	Aug. 2	365
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 5	June 9	638
4087 B	44. HARVEY, L. P., Refrigeration	July 18	June 18	406
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 22	Oct. 22	231
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 21	June 23	795
6082	47. KANOF, W. J., Clutches; Brakes	July 16	July 3	358
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 10	July 10	657
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 28	June 24	637
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 22	June 22	1298
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 3	Oct. 9	322
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 9	Aug. 9	483
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	May 31	Apr. 28	585
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Sept. 4	Sept. 2	392
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 8	Aug. 11	293
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 15	May 20	1343
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 23	Sept. 15	236
5605	58. DOWELL E. F., Abrading; Bottles and Jars	Sept. 12	Sept. 10	407
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	May 24	May 21	1078
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 6	Aug. 7	314
6724	61. YUNGKWAI, B., Laminated Electrical Insulation, Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 21	July 1	671
5021	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 7	Aug. 8	608
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 5	June 5	1140
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 1	July 2	1379
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug 14	July 19	438
2099 B	Trade-Marks: F. A. RICHMOND	Nov. 18	Nov. 28	1195
2605	Designs H. H. KALUPY	Nov. 7	Nov. 27	585

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Baum

No. 4,550. Decided December 1, 1941

[— F.(2d) —]

1. Patentability—Invention.

"It is elementary that small changes in a crowded art may constitute invention."

2. Same—Stocking.

Claims to a stocking having a hollow hem tightly enclosing an annular garter *Held* unpatentable over the prior art.

Appeal from Patent Office. Affirmed.

Mr. James T. Kline and *Mr. George F. Smyth* for Baum.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

Hatfield, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—Nos. 2, 4, 6, and 9 to 12, inclusive—in appellant's application for a patent for an alleged invention relating to improvements in wearing apparel—particularly hosiery.

Claim 4 is illustrative of the appealed claims. It reads:

4. A stocking having a hollow hem formed at the upper end thereof; and an elastic member of circular cross-section disposed in the hem, the hem tightly fitting around the annular member whereby the hem is caused to roll with the annular member when the latter is rolled by movement of the flat of the hands thereover in the direction in which it is intended to be rolled.

The references are: Hatfield, 1,059,869, April 22, 1913; Powers, 1,603,923, October 19, 1926; Frame, 1,728,859, September 17, 1929.

It is stated in appellant's application that the object of the alleged invention is to provide a stocking which can be readily rolled to the desired position on the leg of the wearer and which will remain in that position, and that that object has been accomplished

"by securely fixing the upper end of the stocking to an annular member so that, upon rotation of the annular member along the leg, the stocking will readily roll."

The annular member referred to in the quoted excerpt from appellant's specification and called for by the appealed claims is a piece of elastic of the type sometimes used as garters worn around the leg or as sleeve holders. Appellant's stocking is provided at its upper end with a so-called "hollow bend" or hem in which the annular member (the elastic garter) is securely and permanently positioned—"the hem snugly embracing" such "annular member to prevent relative movement therebetween."

The patent to Hatfield relates to an annular elastic garter for "socks and stockings." The patentee discloses a hollow bead or hem at the upper end of a sock in which her elastic garter is designed to be positioned. Nothing is said in the patent about using the elastic garter to roll the sock or stocking on the leg.

The patent to Powers relates to an emergency rubber overshoe designed to fit over the front portion of the shoe, and discloses an elongated or tube-like member composed of thin resilient material, such as rubber, closed at one end and open at the other. At its open and upper end, the overshoe, as stated by the patentee, has "a slightly enlarged thickened portion in the nature of a bead with which the wall is integral." The purpose of the bead is to facilitate the rolling of the overshoe on and off the shoe.

The patent to Frame relates to and discloses an annular elastic garter designed to be placed at the top portion of a stocking on the leg of the wearer. The patentee states that the stocking may be "rolled downward with the garter inside so that the garter will be concealed."

Appellant states in his application that—

It has long been the fashion in hosiery to roll the top of the stocking down to the desired position, and secure it in this position. In order to have the stocking roll properly, it is necessary to manipulate with the fingers the upper edge to form a core upon which it can be rolled. This requires a great deal of time.

Another method of performing the operation is to place a garter around the stocking and use this as a core [as disclosed in the patent to Frame], but here again it is necessary to manipulate the top of the stocking about the garter in order to start the rolling operation.

In his decision, the Primary Examiner stated, among other things, that the combined stocking and garter disclosed in the patent to Hatfield was "clearly capable" of being rolled to a desired position on the leg of the wearer, although, he stated, that as the garter in the Hatfield stocking was designed to be removed from the hem it would probably fit somewhat loosely therein; that, therefore, the Hatfield stocking could not be rolled as readily as appellant's; and that appellant's stocking differs from the Hatfield disclosure, so far as the issue here is concerned, only in that it is defined as having a "tight fit between the hem" and the annular garter member. The Examiner further stated:

While the tight fit would probably result in a somewhat easier rolling action and although the Hatfield disclosure makes no mention of such use of his [her] structure, in view of the common use of beaded edges of articles as in Powers and cores such as that of Frame, to assist in the formation of rolls it is believed that what applicant has done does not amount to invention.

The Board of Appeals affirmed the decision of the Primary Examiner, and, in its decision on a request by appellant for reconsideration of its original decision, said:

In affirming the Examiner, our reliance was particularly on the Frame patent which shows a garter associated with the upper end of a stocking and designed to facilitate rolling thereof. As appellant has pointed out, *the use of this particular garter involves considerable hand manipulation to form what may be termed a temporary sheath for the garter. We are unable to see that the formation of a permanent sheath tightly embracing the garter is inventive, especially in view of Hatfield.* While it is urged that the Hatfield hem engages the garter too loosely to facilitate rolling, we are not satisfied that such is the case as the connection is shown to be comparatively snug, at least as much so as it would be possible to produce by hand manipulation of the Frame arrangement. [Italics not quoted.]

[1] It is contended here by counsel for appellant that, prior to appellant's contribution to the art, the rolling of stockings to the desired position

"required considerable manipulation of the top of the stocking by the fingers, with the attendant danger of a roughened fingernail engaging a thread in the stocking and pulling the thread, thus damaging the stocking";

that each of the references would require modification in order to produce the structure defined by the appealed claims; that in the Hatfield disclosure it would be necessary to make the hem tightly embrace the garter, which, in all probability, would defeat the purpose of the patentee's invention; that, although the modification of the Hatfield structure necessary to give it the rolling action to which appellant's stocking is particularly adapted was not great, nevertheless, as appellant's efforts are in a well-developed art, such modification constitutes a patentable advance in that art. In support of the latter contention, counsel call attention to the decision of the Circuit Court of Appeals, Third Circuit, in the case of *Artcraft Silk Hosiery Mills, Inc.*, v. *Gotham Silk Hosiery Co., Inc.*, 72 F.(2d) 47, 22 U. S. P. Q. 70. It is unnecessary that we here review the decision in that case, as it is elementary that small changes in a crowded art may constitute invention.

It should be understood in the consideration of the issue here involved that the elastic annular member or garter disclosed in appellant's application is not claimed to be novel. It is apparent, therefore, that, in order to secure the structure defined by the appealed claims and all of the advantages claimed for it, it was only necessary that appellant's annular member or garter (concededly old in the art) be placed in a snugly fitting position in the hem of the stocking disclosed in the Hatfield patent. Assuming, as claimed by appellant, that the prior method of manipulating a stocking in order to form a core upon which it could be rolled sometimes caused injury to the stocking, we think it would readily occur to one skilled in the art to so modify the stocking disclosed in the Hatfield patent as to obtain the structure claimed by appellant.

We have found it unnecessary to give consideration to the patent to Powers.

[2] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PADDOCK ET AL.

No. 4,534. Decided December 1, 1941

[— F.(2d) —]

PATENTABILITY—METHOD FOR CANNING MEAT.

A claim for a method of canning meat *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. R. G. Story for Paddock et al.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Examiner of a claim numbered 3 embraced in appellants' joint application for patent relating to a method for canning meat "such as ham, spiced ham, luncheon meat, loin pork, and the like." The specification states, in substance, that one of the objects of the invention is to improve the keeping qualities of the canned meat products and another to provide a method of sterilizing them.

One claim stands allowed. The rejected claim reads as follows:

3. The method of treating canned meat which comprises heating the canned ment to a temperature between 60 degrees C. and 100 degrees C., cooling the canned meat, and subsequently heating the canned ment to a temperature between 60 degrees C. and 100 degrees C.

The following statement from the brief of the Solicitor for the Patent Office seems fairly to epitomize in a general way the teaching of appellants' application:

It has been found that canned meat when sterilized in the can by subjecting it to a temperature of 100° C., usually by application of boiling water, is not completely sterilized. While the application of heat at this temperature destroys the bacteria present in the meat, it does not destroy spores which may later develop into bacteria. After a single application of heat, the contents of the can gradually cool and in doing so attain a temperature favorable to the incubation of bacteria from the spores. The bacteria thus produced, however, can be killed by a second application of heat. Any spores which at that time may not have developed into bacteria would survive the second heating but upon a third or fourth application of heat all of the spores will have developed into bacteria and will be killed. Appellants state in their application * * * that in some cases four heat treatments are necessary.

The allowed claim defines the period during which the canned meat is first heated, the degree of temperature to which it is then cooled, the period of time during which it is maintained at the temperature to which so cooled, and the period during which it is heated the second or subsequent time. It will be observed that none of these limitations as to time are embraced in the rejected claim which was regarded by the tribunals of the Patent Office as being unpatentable over prior art, as illustrated in a patent and certain publications cited as follows: Duckwall, 1,114,972, October 27, 1914; Commercial Fruit and Vegetable Products, by Cruess, p. 18, published by McGraw-Hill Book Co., New York, 1924; Canning and Preserving with Bacteriological Technique, by Duckwall, pp. 222–224, published by Pittsburgh Printing Co., Pittsburgh, 1905.

The Board discussed the claim and the prior art, applying the references as follows:

The temperatures employed are only those which are obviously desirable. They are not patentably different from those disclosed in the prior art. The principal question presented by the appeal is whether or not invention is present in the application of the intermittent method of sterilization to canned meats.

The Duckwall publication describes its use on all kinds of infusions of meats and vegetables, and mentions also several vegetables by name. The Duckwall patent applies it to solid or semi-solid foods and mentions certain vegetables specifically. Both of these references disclose intermittent sterilization of canned foods.

The Cruess publication discloses intermittent sterilization at 100° C. It states this method is much safer than the one-heating method at 100° C. for vegetables of low acility, and that the latter method is unsafe for meats and vegetables because of danger of survival of spores. We are satisfied invention would not be involved in using the intermittent method of Cruess for sterilizing canned meat, and also that the claims are not allowable over either of the Duckwall references, and particularly so in view of the Cruess disclosure as to the sterilization of meat.

The discussion of the references by the Examiner was more detailed than that of the Board, and the brief before us on behalf of appellants enters into a still more elaborate analysis of them.

It is contended by appellants that the patent to Duckwall relates to vegetables, and it is true that no meats are specifically named therein. Certain vegetables are named, but neither the specification nor the claims appear necessarily to be limited to vegetables. In both, reference is made to "solid or semi-solid foods." The claims themselves do not contain the word "vegetables," nor do we find any particular vegetable designated eo nomine therein. That the patent teaches intermittent sterilization (that is a second heating, or subsequent heatings, when necessary to attain complete sterilization) seems to be conceded.

The Examiner regarded the patent as an elaboration and commercial application of the process described in the Duckwall publication which describes experiments carried out by a Professor Tyndall. The following pertinent matter relating to "discontinuous sterilization" is quoted from that publication in the brief of the Solicitor for the Patent Office:

* * * Moist heat, usually 212° F., is applied to the material in water bath, for a time ranging from twenty minutes to one hour, after which it is placed in a cool place for one day, and the same process is then applied a second time, and this is continued for three days, so that the material receives four processes, which render it sterile.

The scientific principle is based on the time required for spores to vegetate. As we have stated in previous pages, the vegetating cells are easily destroyed; very few, indeed, are able to withstand 180° F., and almost all perish at 165° F. Now the spores, being very resistant to heat, are simply softened during the first one or two processes, and readily perish when they begin to vegetate. Probably most of them are destroyed in two heatings, but a few of the drier forms may require a day or two longer to swell up and vegetate, so that the four heatings will as a rule destroy all.

It may be said at this point that appellants here contend that Duckwall used temperatures of 100° C. (212° F.), or above, whereas appellants use temperatures below 100° C., and that they "have found a temperature range of between 60° C. to 100° C., i. e. above 60° C. and below 100° C., to be critical."

With respect to this, the brief of the Solicitor for the Patent Office states:

It will be obvious from a comparison of this [the Duckwall publication] disclosure with what is set forth in claim 3 that the methods are the same and that even the temperatures employed correspond closely. In rejected claim 3 the temperature of heating is specified as being between 60° C. and 100° C. and in the publication the temperatures which are stated to be sufficient to destroy the bacteria are 165° F. or 180° F., which are, respectively, equivalent to 74° C. and 82° C. These temperatures are in about the middle of the range 60° C.–100° C. specified in the rejected claim.

It is also pointed out in the brief of the Solicitor for the Patent Office that the temperature disclosure in the patent for the second heating is 180° F., or 82° C., and that the theory set forth in the Duckwall patent is the same as that given in appellants' application as the basis for the method.

The Cruess publication which teaches "intermittent sterilization" is headed "Commercial Fruit and Vegetable Products," and much of it refers to such products. However, in different paragraphs the term "meats" is used. One paragraph reads:

As a general rule, the one-period sterilization of meats and vegetables at 100° C. (212° F.) is unsafe because of danger of survival of spores of *Bacillus botulinus*.

Immediately following the above is a paragraph which reads:

Intermittent sterilization at 100° C.—The action of heat is rendered more effective if the time of sterilization is divided into three periods, three sterilizations of 1 hour each at 100° C. being much more effective than a single sterilization at 100° C. The sterilizations are generally separated by periods of 24 hours. This method is much safer than the one-heating method at 100° C. for vegetables of low acidity.

Upon the basis of the last paragraph, appellants' brief argues, in substance, that there is no teaching by the Cruess publication that "intermittent sterilization" would be applicable to anything "other than vegetables of low acidity," and the position is taken that "the publication of Cruess adds nothing over the Duckwall publication and is merely cumulative."

It seems obvious to us that appellants' contention as to the patentability of the rejected claim is based upon the theory that invention was involved in the application to canned meat products of a process applied in the prior art to the sterilization and preservation of canned vegetable products, and that they would have us disregard the allusions to meat products contained in the references.

Passing, without determining, the question of whether it would involve invention to apply to meats a process applied solely to vegetables, were there a distinct issue as to such question, we must hold that the prior art as illustrated in the references embraces matter relating to meats which precludes a holding that invention is described in the broad rejected claim.

We have considered the affidavit of appellants filed below during the prosecution of the application, but find nothing therein which would justify a conclusion different from that reached by the tribunals of the Patent Office.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,092,078, M. C. Overman, Vehicle tire; 1,723,435 same, Cushion tire, D. C., S. D. N. Y., Doc. E 58/151 *Overman Cushion Tire Co., Inc.*, v. *Firestone Tire & Rubber Co. of Ohio and W. Va.* Final order as to defendant in Ohio Mar. 2, 1935, in W. Va. Nov. 5, 1941.

1,317,912, T. C. Dyer, Steering gear for automobiles; 1,577,821, W. P. Campbell, Stabilizing device, C. C. A., 8th Cir., Doc. 12090, *Montgomery Ward & Co.* v. *The Anti-Shimmie Mfg. Co.* Decree modified, and as modified affixed Dec. 1, 1941. Doc. 12901, *Sears, Roebuck & Co.* v. *The Anti-Shimmie Mfg. Co.* Decree as above.

1,471,347, W. B. Newkirk, Method of making grape sugar; 1,508,569, same, Grape suger; 1,521,830, same, Manufacture of dextrose, filed Feb. 27, 1939, D. C., S. D. Iowa (Davenport), Doc. —, *Corn Products Refining Co.* v. *Clinton Co.* Dismissed by stipulation Nov. 15, 1941

1,508,569. (See 1,471,347.) 1,521,830. (See 1,471,347.)

1,528,535, R. E. De Walt, Tool holder; 1,528,536 same, Wood working machinery; 1,794,836, same, Wood

working machine, filed Dec. 6, 1941, D. C., W. D. Mo. (Kansas City), Doc. 1058, *De Walt Products Corp.* v. *H. I. Wilson et al.*

1,528,536. (See 1,528,535.)

1,554,179, 1,554,180, W. S. Trader, Sound absorbing boards for walls and ceilings, filed Nov. 6, 1941, D. C., E. D. Pa., Doc. 1845, *The Celotex Corp.* v. *Armstrong Cork Co.*

1,554,180. (See 1,554,179.) 1,577,821. (See 1,317,912.)

1,635,784, J. Griffith, Bowling alley; 1,714,310, E. Hedenskoog, Ball retarder for bowling alleys, filed Nov. 17, 1941, D. C., S. D. N. Y., Doc. 16/273, *The Brunswick-Balke-Collender Co.* v. *American Bowling & Billiard Corp.*

1,680,818. 2,057,399, H. Steenbock, Antirachitic product and process; 1,871,136, same, Antirachitic product essence and process, D. C. Calif. (Los Angeles), Doc. 565–M, *Wisconsin Alumni Foundation* v. *Vitamin Technologists, Inc.* Claims 1, 2, 3, 5, 6, and 8 of 1,680,818, claims 1, 2, 3, 5, 6, and 7 of 1,871,136, and claims 3 and 4 of 2,057,399 held valid and infringed; injunction Nov. 10, 1941.

1,699,468. (See Re. 17,544.)

1,714,310. (See 1,635,784.) 1,723,435. (See 1,092,078).

1,794,836. (See 1,528,535.)

1,826,919. (See Re. 20,141.)

1,871,136. (See 1,680,818.)

1,874,660. (See Re. 17,544.)

1,911,225. (See 1,934,299.)

1,922,943, A. A. Gobeille, Fabric; 1,922,944, same, Elastic woven fabric, suit for declaratory judgment filed Nov. 8, 1941, D. C., E. D. Pa., Doc. 1852, *Sure-Fit Products Co.* v. *Frank Associate, Inc.*

1,922,944. (See 1,922,943.)

1,934,299, J. T. Fairhurst, Folding partition; 1,911,225, same, Wardrobe; 2,052,089, same, Sliding and folding partition, filed Dec. 1, 1941, D. C., E. D. N. Y., Doc. 2398, *J. T. Fairhurst* v. *The Richard Fireproof Door Co.*

1,964,911, 2,024,218, E. C. Haas, Catamenial device, C. C. A., 2d Cir., Doc. —, *Tampax, Inc., et al.* v. *The Personal Products Corp. et al.* Decree affirmed (notice Nov. 24, 1941).

2,024,218. (See 1,964,911.) 2,052,089. (See 1,934,299.)

2,057,399. (See 1,680,818.)

2,070,241, 2,102,037, 2,112,213. N. Schwartz, Filter type respirator; 2,111,995, same, Respirator, D. C., S. D. N. Y., Doc. 10/291, *Hygeia Respirator Co.* v. *Mine Safety Appliance Co. et al.* Stipulation and order dismissing action as to 2,111,995, Nov. 19, 1940. Consent order of discontinuance (notice Nov. 15, 1941).

2,097,953, 2,132,826, J. E. Ludwig, Spray booth, filed Nov. 24, 1941, D. C., E. D. Mich., S. Div., Doc. 3064, *Newcomb-David Co., Inc., v. David-Ludwig Co. et al.*

2,102,037. (See 2,070,241.) 2,111,995. (See 2,070,241.)

2,112,213. (See 2,070,241.) 2,132,826. (See 2,097,953.)

2,169,929. (See 2,187,666.)

2,175,864, C. L. Anderson, Multi-Circuit timing switch; 2,175,865, same, Timing switch and mechanism, D. C., E. D. Pa., Doc. 1060, *Eagle Signal Corp.* v. *Automatic Temperature Control Co.* Stipulation of counsel dismissing action without prejudice Nov. 12, 1941.

2,175,865. (See 2,175,864.)

2,187,666, W. H. Schumann, Artificial fish bait; 2,169,929, same, Fishing lure, D. C., N. D. Ohio, E. Div., Doc 20789, *Fly Fish Kit Co.* v. *J. E. Porter Co. et al.* As to The Newman-Stern Co., suit dismissed without prejudice; injunction as to J. E. Porter Co. Nov. 25, 1941.

2,221,740, F. Ulrich, Manufacture of slide fastener elements, included by supplemental complaint Nov. 28, 1941, in suit filed June 11, 1940, D. C., S. D. N. Y., Doc. 9/197, *Conmar Products Corp.* v. *Lamar Slide Fastener Corp. et al.*

2,254,604, G. F. Forsthoefel, Cabinet construction; 2,254,780, A. A. Quimper, Refrigeration apparatus, filed Nov. 24, 1941, D. C., S. D. Ohio, W. Div., Doc. 425, *Westinghouse Electric & Mfg. Co.* v. *Crosley Corp.*

2,254,780. (See 2,254,604.)

Re. 17,544, A. Beler, Thermostatic valve; 1,699,468, J. H. Grayson, Thermostat; 1,874,660; S. P. Vaughn, Thermostatic snap valve, D. C., S. D. Calif., C. Div., Doc. 536–H, *Domestic Mfg. Co., Inc.*, v. *Grayson Heat Control, Ltd.* Judgment of dismissal pursant to stipulation dismissing cause without prejudice Nov. 17, 1941.

Re. 20,141 (of 1,826,919), C. G. Bliss, Measuring apparatus, D. C., S. D. Calif., C. Div., Doc. 784–B, *Road Construction Co.* v. *Standard Steel Works et al.* Defendants enjoined Oct. 23, 1941.

Des. 122,984, S. Novak, Dress; Des. 122,985, same, Dress ensemble, D. C., S. D. N. Y., Doc. 11/301, *Flora Dress Co.* v. *June Modes, Inc.* Consent judgment (notice Dec. 3, 1941).

Des. 122,985. (See Des. 122,984.)

T. M. 111,759, Panama Lubricants Co., Lubricants; T. M. 248,431, The Pennzoil Co., Motor fuel oils and lubricant oils and greases, filed Nov. 22, 1941, D. C. Nebr. (North Platte), Doc. 74, *The Pennzoil Co. et al.* v. *Terry Carpenter, Inc. et al.*

T. M. 248,431. (See T. M. 111,759.)

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 6, 1942

[VOL. 534. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 447,683. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 11, 1941.

CELANESE LANESE

FOR STAPLE FIBERS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since February, 1941.

Ser. No. 447,711. PUGET SOUND BULB EXCHANGE, INC., Sumner, Wash. Filed Oct. 11, 1941.

SUNSET

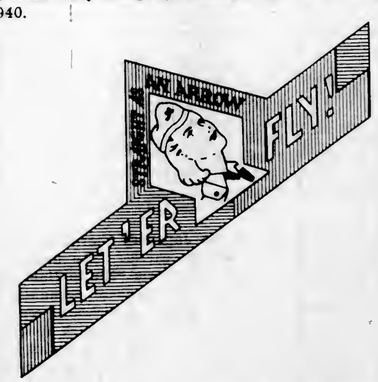
FOR FLOWER BULBS.

Claims use since Mar. 12, 1941.

CLASS 2

RECEPTACLES

Ser. No. 435,549. WALTER F. KINNUCAN, doing business as Letter Fly Company, Chicago, Ill. Filed Aug. 30, 1940.



The portrait is fanciful. The drawing is lined for red and blue.

FOR MERCHANDISE ENVELOPES, CARTONS AND MAILING TUBES.

Claims use since Aug. 27, 1940.

Ser. No. 444,109. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941.



The mark comprises a monogram representing the letters "W" and "A" interwoven or combined.

FOR CAST METAL STORAGE RESERVOIRS AND FABRICATED STEEL STORAGE RESERVOIRS FOR FLUID PRESSURE SYSTEMS.

Claims use since 1906.

Ser. No. 445,903. CARL P. SOLLMANN, New York, N. Y. Filed Aug. 2, 1941.



FOR SALT AND PEPPER SHAKERS, WOODEN BOWLS, WOODEN TOOTH-PICK HOLDERS, WOODEN MATCH-HOLDERS, WOODEN UTILITY BOXES (SOLD EMPTY), AND WOODEN JAM JARS (SOLD EMPTY).

Claims use since November, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 448,084. MILTAR DISTRIBUTING CO., New York, N. Y. Filed Oct. 24, 1941.

KARRYKIT

---- K.K. ----

The words "Karry Kit" are disclaimed apart from the mark.

FOR TOILET KITS COVERED WITH KHAKI CLOTH AND CONTAINING A SERIES OF POCKETS FOR TOILET ARTICLES, WITH STRINGS ATTACHED FOR SECURING THE ARTICLES IN POSITION.

Claims use since May 26, 1941.

Ser. No. 448,997. BOURJOIS, INC., New York, N. Y. Filed Nov. 28, 1941.

mais Oui

FOR EVENING HANDBAGS.

Claims use since Sept. 13, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 441,832. NIAGARA SMELTING CORPORATION, Niagara Falls and New York, N. Y. Filed Mar. 22, 1941.

NSC

FOR CLEANING FLUID FOR CLOTHING AND OTHER FABRIC.

Claims use since June 29, 1939.

Ser. No. 448,455. NORTH AMERICAN DYE CORPORATION, Mount Vernon, N. Y. Filed Nov. 7, 1941.

NEATSOPE



FOR LEATHER DRESSING.

Claims use since Oct. 17, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 432,468. GLASER LEAD COMPANY, INC., Brooklyn, N. Y. Filed May 29, 1940.



The words "Hot" and "Tinning Compound" are disclaimed apart from the mark.

FOR HOT TINNING COMPOUND.

Claims use since May 1, 1932.

Ser. No. 440,618. JAMES W. CARR, Savannah, Ga. Filed Feb. 13, 1941.

PINOLA

FOR CHEMICAL WOOD PRESERVATIVES.

Claims use since August, 1937.

Ser. No. 444,882. TOKUICHI SAKAMOTO, doing business as Sakamoto Store, Waikapu, Hawaii. Filed June 26, 1941.



A free translation of the Japanese characters is life protecting liquid from Korean carrot. The drawing is lined for the color yellow. The term "Ninjin Homeisuy" is the Anglicized version of the Japanese pronunciation of the Japanese characters, and for purposes of registration, these are disclaimed apart from the mark as shown, but with full reservation of all common law rights therein. The device consisting of a diamond enclosing three bars and other characters is the family symbol of the applicant.

FOR TONIC PREPARATION IN LIQUID FORM FOR INTERNAL USE FOR BUILDING UP BODILY RESISTANCE TO DISEASE AND IMPROVING THE BLOOD.

Claims use since Oct. 1, 1913.

Ser. No. 445,869. VITAL FOODS CORPORATION, Chicago, Ill. Filed Aug. 1, 1941.

vitamight

The drawing is lined for red.

FOR CONCENTRATE OF ESSENTIAL VITAMINS AND MINERALS.

Claims use since June 9, 1941.

Ser. No. 446,015. SAMUEL BONAT & BRO., New York, N. Y. Filed Aug. 6, 1941.

Lifeglo

FOR PERMANENT HAIR WAVING SOLUTION AND PERMANENT HAIR WAVING CREAM.

Claims use since July 17, 1941.

Ser. No. 446,042. JOHN CARLE & SONS, INC., New York, N. Y. Filed Aug. 7, 1941.

CREOPHEN

FOR DISINFECTANT.

Claims use since May 1, 1905.

Ser. No. 446,464. VINCENT PASTOR, doing business as Delrose Laboratory, Morton Grove, Ill. Filed Aug. 22, 1941.

PEDWELL

FOR SALVE USED FOR THE TREATMENT OF ATHLETE'S FOOT.

Claims use since June 15, 1941.

Ser. No. 446,650. LILLY DACHE, INC., New York, N. Y. Filed Aug. 29, 1941.

DASHING

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Aug. 27, 1941.

Ser. No. 447,251. PUROBAR CO., Denver, Colo. Filed Sept. 22, 1941.

PUROBAR

FOR ESPECIALLY COMPOUNDED CHEMICAL PRODUCT IN THE NATURE OF A BRICK OR BLOCK FOR PURIFYING THE AIR AND ABSORBING OBJECTIONABLE FOOD ODORS IN ELECTRICAL REFRIGERATORS, ICE-BOXES, COOLERS, AND THE LIKE.

Claims use since Jan. 17, 1941.

Ser. No. 448,243. CARHOFF COMPANY, Cleveland Heights, Ohio. Filed Oct. 30, 1941.

NO-FOG

FOR PREPARATION FOR USE ON GLASS, LENSES, REFLECTORS, WINDSHIELDS, GOGGLES, PHYSICIANS' OR DENTISTS' INSTRUMENTS, EYE GLASSES, GAS MASKS, WINDOWS, MIRRORS, AND THE LIKE, FOR PREVENTING THE FORMATION OF FOG, STEAM, FROST, OR PERSPIRATION THEREON.

Claims use since 1937.

Ser. No. 448,348. VALENTINE LABORATORIES, INC., Chicago, Ill. Filed Nov. 1, 1941.

AY-TOL

FOR VITAMIN CAPSULES.

Claims use since June 18, 1941.

Ser. No. 448,431. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed Nov. 6, 1941.

TRIPLEX

FOR NAIL POLISH.

Claims use since Nov. 3, 1941.

Ser. No. 448,544. BOURJOIS, INC., New York, N. Y. Filed Nov. 12, 1941.

but yas

FOR PERFUME, EAU PARFUMEE, FACE POWDER, TALCUM POWDER, BATH POWDER, LIPSTICK, ROUGE, AND SACHET.

Claims use since April, 1939, on perfume; and since Oct. 22, 1941, on remaining goods.

Ser. No. 448,558. HOUSE OF TRE-JUR, INC., New York, N. Y. Filed Nov. 12, 1941.

FOLLOW ME

FOR TOILET WATER, PERFUME, BATH POWDER, TALCUM POWDER, SACHET POWDER, AND BUBBLE FOAM POWDER.

Claims use since Sept. 30, 1925.

Ser. No. 448,587. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 12, 1941.

SULFASUXIDINE

FOR PHARMACEUTICAL PREPARATIONS USEFUL AS BACTERICIDES AND AS ANTISEPTICS AND FOR

THE TREATMENT AND PREVENTION OF INFECTIONS OF THE GASTRO-INTESTINAL TRACT AND USEFUL AS INESTINAL ANTISEPTICS AND FOR THE PREVENTION AND TREATMENT OF DYSENTERY, VACILLARY DYSENTERY, CHOLERA, COLITIS, TYPHOID FEVER AND FOR THE PREVENTION AND TREATMENT OF INFECTION DURING INTESTINAL AND ABDOMINAL OPERATIONS.
Claims use since Nov. 5, 1941.

Ser. No. 448,596. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Nov. 13, 1941.

STAR-CHEM

FOR LAUNDRY STARCH.
Claims use since Sept. 27, 1941.

Ser. No. 448,702. NATIONAL COPPER PAINT CORPORATION, Chicago, Ill. Filed Nov. 17, 1941.

"SEL-CAR"

FOR PROTECTIVE COATING FOR SELECTIVE CARBURIZING AND FOR THE PROTECTION OF METALS, SUSCEPTIBLE TO CARBONIZATION.
Claims use since Sept. 23, 1937.

Ser. No. 448,703. NATIONAL COPPER PAINT CORPORATION, Chicago, Ill. Filed Nov. 17, 1941.

"SEL-NITE"

FOR PROTECTIVE COATING FOR HEAT TREATING METALS.
Claims use since Oct. 9, 1940.

Ser. No. 448,720. BOURJOIS, INC., New York, N. Y. Filed Nov. 18, 1941.

mais Oui

FOR PERFUME, EAU PARFUMEE, FACE POWDER, TALCUM POWDER, BATH POWDER, LIPSTICK, ROUGE, AND SACHET.
Claims use since June 6, 1938, on perfume; since March, 1939, on eau parfumee, face powder, talcum powder and bath powder; since June, 1939, on lipsticks; since July, 1939, on rouge; and since December, 1940, on sachet.

Ser. No. 448,724. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Nov. 18, 1941.

LIQUADOL

FOR CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES.
Claims use since Sept. 15, 1941.

Ser. No. 448,725. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Nov. 18, 1941.

LIQUAFIX

FOR CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES.
Claims use since Sept. 15, 1941.

Ser. No. 448,741. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 18, 1941.

ASCORBICIN

FOR VITAMINIC PREPARATIONS.
Claims use since Oct. 10, 1941.

Ser. No. 448,842. ABBOTT LABORATORIES, North Chicago, Ill. Filed Nov. 24, 1941.

STERILOPE

FOR DRUGS INDICATED FOR TOPICAL APPLICATION AT THE SITE OF AN INFECTION OR POTENTIAL INFECTION WHERE A BACTERIOSTATIC OR BACTERICIDAL EFFECT IS DESIRED.
Claims use since Oct. 28, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 439,083. THERMOSEAL PRODUCTS, INC., New York, N. Y. Filed Dec. 21, 1940.

THERMOSEAL

FOR DISPENSING ENVELOPES OF FLEXIBLE SHEET MATERIAL COMPRISING FOIL COATED OR LAMINATED WITH THERMOPLASTIC MATERIAL WITH OR WITHOUT AN INTERLINER—NAMELY, TOBACCO POUCHES.
Claims use since Dec. 20, 1940.

CLASS 10

FERTILIZERS

Ser. No. 447,381. UNION POTASH & CHEMICAL COMPANY, Chicago, Ill. Filed Sept. 27, 1941.

SUL-PO-MAG

FOR SULPHATE OF POTASH MAGNESIA WHICH IS USED AS A FERTILIZER.
Claims use since Sept. 9, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 448,015. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Oct. 22, 1941.

SHO-PAL

FOR GUM USED AS A BINDER AND THICKENER FOR PIGMENTED SUBSTANCES UTILIZED IN PRINTING FABRICS AND THE LIKE.
Claims use since Sept. 22, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 445,181. ROXSEAL COMPANY, INC., Long Island City, N. Y. Filed July 8, 1941.

Patcho

FOR READY-MIXED MATERIAL FOR PATCHING AND/OR RESURFACING CONCRETE AND OTHER MASONRY SURFACES.
Claims use since Aug. 5, 1940.

Ser. No. 446,176. PENTRATHANE PRODUCTS, INC., Long Island City, N. Y. Filed Aug. 12, 1941.

ELEPHANT KOTE

The word "Kote" is disclaimed apart from the mark.
FOR CRANKCASE INSULATION AND OTHER INSULATING COATINGS FOR VEHICLES.
Claims use since October, 1940.

Ser. No. 447,482. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Oct. 2, 1941.

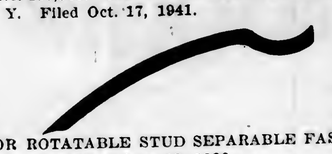


FOR FARM BUILDINGS—NAMELY, UNASSEMBLED OR KNOCKED DOWN METAL AND IRON CLAD BUILDINGS AND ESSENTIAL PARTS THEREOF SUCH AS STUDS, SHEATHING, METAL WINDOWS AND DOORS, FOR HOUSING COWS, HORSES, HOGS, SHEEP, AND POULTRY.
Claims use since July 21, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 447,865. CAMLOC FASTENER COMPANY, New York, N. Y. Filed Oct. 17, 1941.



FOR ROTATABLE STUD SEPARABLE FASTENERS.
Claims use since Aug. 19, 1938.

Ser. No. 448,454. THE M. S. LITTLE MANUFACTURING CO., Hartford, Conn. Filed Nov. 7, 1941.

DUO

FOR SINK AND TRAY WASTES AND TRAPS AND PARTS THEREOF.
Claims use since Sept. 14, 1927.

Ser. No. 448,590. STRONGHOLD FASTENER COMPANY, INC., New York, N. Y. Filed Nov. 12, 1941.

STRONGHOLD

FOR SLIDE FASTENERS.
Claims use since Mar. 1, 1937.

CLASS 15

OILS AND GREASES

Ser. No. 448,512. KRIEGER OIL CO. OF CALIFORNIA, Clearwater, Calif. Filed Nov. 10, 1941.



FOR PETROLEUM PRODUCTS, PARTICULARLY MOTOR OILS, GASOLINES, DIESEL FUELS, FUEL OILS, AND ROAD OIL.
Claims use since Nov. 1, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 439,568. STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed Jan. 10, 1941.

E-Z-GLOW

FOR WAX POLISH FOR FLOORS, FURNITURE, AND WOODWORK.
Claims use since Sept. 5, 1933.

Ser. No. 440,414. HETSON-SOMMERS CO., INC., Brooklyn, N. Y. Filed Feb. 7, 1941.

FORMX

FOR TRANSPARENT LIQUID WATERPROOF COATING FOR PLYWOOD, LUMBER, AND CONCRETE.
Claims use since Feb. 24, 1938.

Ser. No. 447,805. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Oct. 15, 1941.

Super
SOLAREX

FOR READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES.
Claims use since Apr. 17, 1941.

Ser. No. 448,028. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill. Filed Oct. 23, 1941.

WAXIDE

FOR LIQUID COMBINATION AUTOMOBILE BODY POLISH AND CLEANER.
Claims use since Jan. 15, 1939.

Ser. No. 448,057. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa. Filed Oct. 23, 1941.

TOLLAC

FOR LIQUID HYDROCARBON SOLVENTS FOR USE AS A SOLVENT IN LACQUERS, ENAMELS, AIRPLANE DOPES, AND FINISHING COMPOSITIONS USED FOR COATING AND IMPREGNATING AND FORMED FROM VARIOUS BASES INCLUDING RESINS, NATURAL AND SYNTHETIC, ROSIN, WAXES, RUBBER, AND NITROCELLULOSE, AND FOR USE IN PAINT REMOVERS.
Claims use since June 7, 1941.

Ser. No. 448,329. MASURY-YOUNG COMPANY, Charlestown, Boston, Mass. Filed Nov. 1, 1941.

SOLAGRIP

FOR FLOOR DRESSING.
Claims use since Sept. 24, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 447,779. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Oct. 14, 1941.

DUET

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since Sept. 26, 1941.

Ser. No. 448,178. YOO-HOO PRODUCTS CO., Minneapolis, Minn. Filed Oct. 27, 1941.

"Yoo-Hoo!"

FOR CIGARETTES.
Claims use since Oct. 13, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 435,112. AVIATION MANUFACTURING CORPORATION, New York, N. Y., Wayne, Mich., Nashville, Tenn., and Williamsport, Pa. Filed Aug. 19, 1940.

Stinson

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since May, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 431,085. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 22, 1940.

CRAFTY

FOR POWER TOOLS—NAMELY, PORTABLE ELECTRIC ROTARY COMBINATION TOOLS FOR DRILLING, GRINDING, CARVING, POLISHING, ENGRAVING, SAWING, SANDING, CUTTING, ROUTING, ETC.
Claims use since August, 1939.

Ser. No. 446,073. CHISHOLM-MOORE HOIST CORPORATION, Tonawanda, N. Y. Filed Aug. 8, 1941.

METEOR

FOR ELECTRIC HOISTS.
Claims use since May 15, 1941.

Ser. No. 446,359. INSULINE CORP. OF AMERICA, INC., Long Island City, N. Y. Filed Aug. 19, 1941.

INSULINE

FOR RADIO RECEIVING SETS AND ELECTRICAL PARTS THEREFOR, SUCH AS ELECTRIC INSULATORS, PANELS, DIALS, SOCKETS, BINDING POSTS, INSULATED AND UNINSULATED WIRES.
Claims use since 1922.

Ser. No. 447,961. DAVID A. STARR, doing business as United Vacuum & Appliance Company, Minneapolis, Minn. Filed Oct. 20, 1941.

United-Aire

No claim is made for the word "Aire" apart from the mark.
FOR ELECTRIC VACUUM CLEANERS.
Claims use since Apr. 15, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 448,840. THE J. & E. STEVENS COMPANY, Cromwell, Conn. Filed Nov. 22, 1941.

PEACE MAKER

FOR TOY PISTOLS.
Claims use since Oct. 15, 1941.

Ser. No. 448,965. ESQUIRE, INC., Chicago, Ill. Filed Nov. 27, 1941.

Esquire

FOR PLAYING CARDS.
Claims use since Nov. 14, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 439,261. CHARLES L. J. WELCH, doing business as Railway Maintenance Devices, Chicago, Ill. Filed Dec. 28, 1940.

"BULLDOGS HANG ON"

FOR MECHANICAL DEVICES FOR PULLING AND WITHDRAWING RAILWAY TIES FROM BENEATH RAILS AND FOR PUSHING AND POSITIONING TIES IN PLACE.
Claims use since August, 1939.

Ser. No. 442,526. HARRISBURG ENGINEERING COMPANY, Fort Worth, Tex. Filed Apr. 12, 1941.

HARRISBURG CO ENGINEERING

Applicant disclaims the word "Harrisburg" apart from the mark.
FOR SLUSH PUMP LINERS, SLUSH PUMP RODS, AND UNIONS.
Claims use since Nov. 1, 1940.

Ser. No. 446,282. UNITED DRILL AND TOOL CORPORATION, Chicago, Ill. Filed Aug. 15, 1941.

FOR TWIST DRILLS, REAMERS, AND PUNCHES, AND PUNCH RETAINERS.
Claims use since Feb. 4, 1938.

Ser. No. 446,923. THE PARKER APPLIANCE COMPANY, Cleveland, Ohio. Filed Sept. 9, 1941.

PARKERMATIC

FOR TUBE BENDING MACHINES.
Claims use since Apr. 16, 1941.

Ser. No. 447,386. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa. Filed Sept. 29, 1941.

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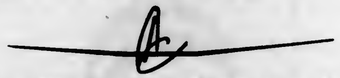
FOR HYDRAULIC PUMPS AND ROLLING MILL SUPPLIES INCLUDING CAST IRON, CAST STEEL, AND ALLOY STEEL ROLLS.
Claims use since June, 1906.

Ser. No. 447,387. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa. Filed Sept. 29, 1941.

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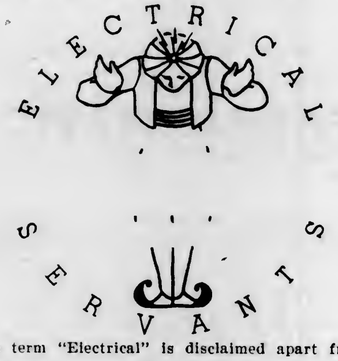
FOR HYDRAULIC PUMPS AND ROLLING MILL SUPPLIES INCLUDING CAST IRON, CAST STEEL, AND ALLOY STEEL ROLLS.
Claims use since June, 1935.

Ser. No. 447,420. AIRCRAFT INDUSTRIES CORPORATION, Tenafly, N. J. Filed Sept. 30, 1941.



FOR CUTTING ATTACHMENTS FOR MACHINE TOOLS, FIXTURES FOR ASSEMBLING MACHINE PARTS, AND STAMPING AND CUTTING DIES.
Claims use since Apr. 28, 1941.

Ser. No. 447,741. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed Oct. 13, 1941.



The term "Electrical" is disclaimed apart from the mark.
FOR HAIR CLIPPERS AND ELECTRIC SHAVERS.
Claims use since July 1, 1940.

CLASS 25

LOCKS AND SAFES

Ser. No. 447,681. BARON & ARNOF, INC., New York, N. Y. Filed Oct. 11, 1941.



FOR BANKS PARTICULARLY ADAPTED FOR SAVING SMALL CHANGE.
Claims use since Apr. 26, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 447,929. AUTOMATIC INSTRUMENT COMPANY, Chicago, Ill. Filed Oct. 20, 1941.

PhonoVue

FOR COMBINATION COIN-OPERATED PHONOGRAPH AND TALKING PICTURE MACHINES.
Claims use since Sept. 30, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 447,707. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Oct. 11, 1941.

RALCO

FOR WATCHES.
Claims use since January, 1930.

Ser. No. 447,810. SOLOMON KAUFMAN, doing business as Semca Co., New York, N. Y. Filed Oct. 15, 1941.

SEMCA

FOR WATCHES AND CLOCKS AND PARTS THEREOF.
Claims use since May 11, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 447,679. THE WHITE MFG. CO., North Attleboro, Mass. Filed Oct. 10, 1941.

WHITECO

FOR POCKET KNIVES MADE OF OR PLATED WITH PRECIOUS METAL, AND JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Nov. 8, 1928.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 448,521. PROMOTIONS, INC., Youngstown, Ohio. Filed Nov. 10, 1941.

Vanity Fair

FOR DINNERWARE MADE OF CROCKERY, EARTHENWARE, OR PORCELAIN.
Claims use since Oct. 10, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 444,113. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941.



The mark comprises a monogram representing the letters "W" and "A" interwoven or combined.
FOR COOLER UNITS AND INTERCOOLERS OF THE TYPE INTERPOSED IN THE LINE BETWEEN A COMPRESSOR AND STORAGE RESERVOIR, OR CONSUMING DEVICE, IN A FLUID PRESSURE SYSTEM, FOR COOLING FLUID DISCHARGED BY THE COMPRESSOR; AND FOR AIR FILTERS, AIR STRAINERS, AND FILTER AND DIRT COLLECTOR UNITS ALL OF THE TYPES EMPLOYED IN THE PIPES OR VALVE DEVICES IN FLUID PRESSURE CONTROL SYSTEMS, INCLUDING AIR BRAKE SYSTEMS AND INDUSTRIAL COMPRESSED AIR SYSTEMS.
Claims use since 1916.

Ser. No. 449,050. THE HILLIARD CORPORATION, Elmira, N. Y. Filed Nov. 29, 1941.

HILCO

FOR RECLAIMING AND FILTERING APPARATUS ESPECIALLY INTENDED FOR THE RECLAIMING OF OIL AS WELL AS PARTS FOR SUCH APPARATUS AND FILTERING INGREDIENTS AND MATERIALS EMPLOYED AS A PART OF THE APPARATUS.
Claims use since Nov. 29, 1933.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 447,609. GRAY & DUDLEY COMPANY, Nashville, Tenn. Filed Oct. 8, 1941.

FROGIL

FOR SOLID AND FLUID FUEL AND ELECTRIC COOKING RANGES, AND OIL-BURNING SPACE HEATERS, FURNACES, AND WATER HEATERS.
Claims use since March, 1936, on space heaters, furnaces, and water heaters; and since June, 1938, on cooking ranges.

Ser. No. 448,119. STRATTON & TERSTEGGE CO., INC., Louisville, Ky. Filed Oct. 25 1941.

ANCHOR

FOR HEATING STOVES, RANGES, COOK STOVES, AND STOKERS FOR BURNING COAL, WOOD, GAS, OR OIL.
Claims use since 1882.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 448,269. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Oct. 30, 1941.

RITE-WAY

FOR BRAKE LININGS.
Claims use since Oct. 15, 1941.

Ser. No. 448,579. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Nov. 12, 1941.

RAY-METL

The word "Metl" is disclaimed apart from the mark.
FOR CLUTCH FACINGS.
Claims use since Sept. 29, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 447,965. F. E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill. Filed Oct. 20, 1941.

FLEXIPOINT

FOR PHONOGRAPH NEEDLES.
Claims use since Aug. 4, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,147. THE SNAPOUT FORMS COMPANY, Chardon, Ohio. Filed Mar. 31, 1941.

NEO LITH

FOR ACCOUNTING FORMS, INVOICES, PURCHASE ORDERS, SALES RECORDS, SHOP RECORDS, AND VOUCHERS.
Claims use since Oct. 1, 1937.

Ser. No. 445,952. NEW YORK & PENNSYLVANIA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1941.



Applicant disclaims the word "Papers."
FOR PRINTING PAPER, ELECTRIC PAPER, PARCHMENT PAPER, PARCHMENT MANILA, BOOK AND WRITING PAPERS, ENVELOPE PAPERS, WALL PAPER, SOAP WRAPPER PAPER, TABLETS, PRESS BOARD, AND TISSUE PAPER.
Claims use since Mar. 25, 1941.

Ser. No. 447,753. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn. Filed Oct. 13, 1941.

INTERFALLS

FOR PRINTING PAPER, WRITING PAPER, BOOK PAPER, NEWSPRINT PAPER.
Claims use since Aug. 4, 1941.

Ser. No. 447,823. THE RYTEX COMPANY, Indianapolis, Ind. Filed Oct. 15, 1941.

Rytex CHATTER-BOX

FOR WRITING PAPER AND ENVELOPES.
Claims use since Mar. 1, 1934.

Ser. No. 447,824. THE RYTEX COMPANY, Indianapolis, Ind. Filed Oct. 15, 1941.

Rytex
CROSS-PATCH

FOR WRITING PAPER AND ENVELOPES.
Claims use since Apr. 1, 1941.

Ser. No. 447,825. THE RYTEX COMPANY, Indianapolis, Ind. Filed Oct. 15, 1941.

RYTEX POST-HASTE

FOR WRITING PAPER AND ENVELOPES.
Claims use since May 1, 1941.

Ser. No. 447,826. THE RYTEX COMPANY, Indianapolis, Ind. Filed Oct. 15, 1941.

Rytex
TATTLE-TALE

FOR WRITING PAPER AND ENVELOPES.
Claims use since Apr. 1, 1933.

Ser. No. 447,850. RHINELANDER PAPER COMPANY, Rhinelander, Wis. Filed Oct. 16, 1941.

Pliolux

FOR COATED GLASSINE PAPER.
Claims use since Aug. 22, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 444,683. JACK RABBIT COMPANY, Spartanburg, S. C. Filed June 19, 1941.



No claim is made to the words "Prints" and "Spartanburg, S. C." apart from the mark.
FOR PHOTOGRAPHS AND PHOTOGRAPHIC PRINTS.
Claims use since Apr. 11, 1940.

Ser. No. 447,748. LOOK, INC., Des Moines, Iowa. Filed Oct. 13, 1941.

The Spotlight of Fashion

"Fashion" is disclaimed apart from the mark.
FOR SECTION OF A MAGAZINE.
Claims use since Aug. 12, 1941.

Ser. No. 447,849. NORTH AMERICAN AVIATION, INC., Inglewood, Calif. Filed Oct. 16, 1941.



The words "North American" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since May 29, 1941.

Ser. No. 448,332. LEON M. PEARSON, Washington, D. C. Filed Nov. 1, 1941.

Below the Rio Grande

No claim is made to the words "Rio Grande" apart from the mark.
FOR NEWS COLUMNS AND SPECIAL ARTICLES APPEARING DAILY OR FROM TIME TO TIME.
Claims use since May 3, 1940.

CLASS 39

CLOTHING

Ser. No. 439,761. MYRTLE KNITTING MILLS, INCORPORATED, Unionville, Conn. Filed Jan. 17, 1941.

Planesman



FOR JACKETS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 7, 1941.

Ser. No. 441,276. BRITTANY HAT CO., INC., New York, N. Y. Filed Mar. 6, 1941.



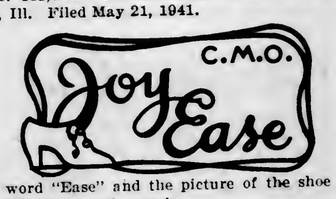
FOR MEN'S, WOMEN'S, AND CHILDREN'S HATS, HAT-LININGS, SWEAT BANDS AND CAPS.
Claims use since Dec. 1, 1940.

Ser. No. 443,153. THE CAERLEE MILLS KNITTING CO. LIMITED, Peebles, Scotland. Filed May 1, 1941.

CAERLEE

FOR SWEATERS, JERSEYS, CARDIGAN JACKETS, PULLOVERS, SLIPONS IN THE NATURE OF SWEATERS, SCARVES, CAPS AND BERETS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 21, 1940.

Ser. No. 443,747. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed May 21, 1941.



The word "Ease" and the picture of the shoe are disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1941.

Ser. No. 444,571. HOVLAND-LESLIE CO., Chicago, Ill. Filed June 16, 1941.



The word "Hat" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' HATS.
Claims use since June 7, 1941.

Ser. No. 444,941. NILE UNDERGARMENT CO., New York, N. Y. Filed June 28, 1941.



The picture is fanciful. Applicant disclaims the expressions "A Nile Product," "Rip Proof Seams," and "Styled for Loveliness."
FOR LADIES' AND CHILDREN'S APPAREL—NAMELY, SLIPS, PETTICOATS, VESTS, PANTIES, BLOOMERS, STEP-INS (UNDERDRAWERS), CORSETS, BRASSIÈRES, BANDEAUX, DANCE SETS CONSISTING OF A PANTY AND A BRASSIÈRE; ENSEMBLE SETS CONSISTING OF A NIGHTGOWN WITH A NEGLIGEE; NIGHTGOWNS, PAJAMAS NIGHT DRAWERS; HOSIERY, PLAY SUITS, SLACKS, AND SUN SUITS.
Claims use since Jan. 1 1941.

Ser. No. 445,398. SPATZ BROS., INC., New York, N. Y. Filed July 16, 1941.

WEATHERMAC

FOR RAINCOATS.
Claims use since July 1, 1941.

Ser. No. 445,871. MORRIS KATZ, doing business as Manhattan Bootblack Supply Co., New York, N. Y. Filed Aug. 1, 1941.

Glamour Girl

FOR HAIR NETS.
Claims use since Mar. 1, 1941.

Ser. No. 446,321. FLAH & CO., INC., Syracuse, N. Y. Filed Aug. 18, 1941.

FLAH'S Heathshire

Applicant disclaims the surname "Flah's" apart from the mark.
FOR SWEATERS, SKIRTS, BLOUSES, SPORT COATS AND SUITS FOR WOMEN.
Claims use since Aug. 1, 1941.

Ser. No. 446,616. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Aug. 28, 1941.

ParkSquare

FOR MEN'S LEATHER SHOES, AND HATS.
Claims use since Jan. 28, 1941.

Ser. No. 447,290. BESS KOSVICH, doing business as Jo-Do Specialty Company, New York, N. Y. Filed Sept. 24, 1941.

Debutante

FOR SHOWER AND MAKE-UP CAPS.
Claims use since Sept. 2, 1941.

Ser. No. 447,734. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 13, 1941.

The Talisman

FOR MEN'S NECKTIES.
Claims use since December, 1938.

Ser. No. 447,740. JEEPS INCORPORATED, Chicago, Ill. Filed Oct. 13. 1941.

jeep

FOR DRESSES FOR WOMEN, MISSES, AND GIRLS.
Claims use since Sept. 12, 1941.

Ser. No. 447,761. PHILCO SHOE CORPORATION, Bangor, Maine. Filed Oct. 13, 1941.

OLDTOWN TRAMPEZE

The word "Oldtown" is claimed only as shown.
FOR MOCCASIN TYPE SHOES FOR MEN, WOMEN, AND CHILDREN.
Claims use since June 1, 1941.

Ser. No. 447,885. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo.; also doing business as Famous-Barr Company, St. Louis, Mo., and The M. O'Neil Co., Akron, Ohio. Filed Oct. 17, 1941.

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Resisto

FOR RUBBER GLOVES FOR HOUSEHOLD USE.
Claims use since Oct. 9, 1941.

Ser. No. 447,931. BONWIT TELLER, INC., New York, N. Y. Filed Oct. 20, 1941.

"HEIR-MINDED"

FOR WOMEN'S AND MISSES' BLOUSES; SWEATERS; DRESSES; COATS; SUITS; OUTER SKIRTS; HATS; SCARFS; BELTS FOR OUTER WEAR; HANDKERCHIEFS; SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF; HOSIERY; GLOVES MADE OF LEATHER AND FABRIC; AND UNDERGARMENTS—I. E., SLIPS, PETTICOATS, BRASSIÈRES, GIRDLES, CORSETS, BLOOMERS AND PANTIES.
Claims use since Sept. 27, 1941.

Ser. No. 448,217. CHIEF WEAVERS, INC., Albuquerque, N. Mex. Filed Oct. 29, 1941.

TEE-PEE

FOR HAND WOVEN NECKTIES.
Claims use since May 1, 1941.

Ser. No. 448,619. MORSE & MORSE, Los Angeles, Calif. Filed Nov. 13, 1941.

Vampies

FOR LADIES' LINGERIE—NAMELY PANTIES.
Claims use since Oct. 30, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 447,200. DIADEM, INC., Leominster, Mass. Filed Sept. 20, 1941.

Nite-Glo

FOR LUMINOUS HAIR RETAINER IN THE NATURE OF A COMB OR HAIR CLASP.
Claims use since July 15, 1941.

Ser. No. 448,303. E. C. SCHERRER, INC., New York, N. Y. Filed Oct. 31, 1941.

Rio

FOR SYNTHETIC STRAW BRAIDS USED IN THE MANUFACTURE OF HAT BODIES.
Claims use since Sept. 1, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 443,156. DENICRON CORPORATION, Carlisle, Pa. Filed May 1, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Denicron

FOR CARPETS, RUGS, DRAPERIES, UPHOLSTERY FABRICS.
Claims use since Jan. 29, 1941.

Ser. No. 447,693. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Oct. 11, 1941.

RENAISSANCE

FOR PIECE GOODS OF SILK AND SILK MIXTURES.
Claims use since 1910.

Ser. No. 448,260. MOORESVILLE COTTON MILLS, Mooresville, N. C. Filed Oct. 30. 1941.

SADDLE TWILL

Applicant disclaims the word "Twill" except as shown.
FOR MIXED COTTON AND RAYON PIECE GOODS, WOOL AND RAYON PIECE GOODS, WOOL AND COTTON PIECE GOODS, AND COTTON, AND RAYON, AND WOOLEN PIECE GOODS.
Claims use since Oct. 14, 1941.

Ser. No. 448,391. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md. Filed Nov. 4, 1941.

VANFITZ

FOR COTTON DUCKS, WATER-PROOF DUCKS, AND COTTON PIECE GOODS.
Claims use since June, 1940.

Ser. No. 448,506. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 10, 1941.

ARTISTE

FOR LACE CURTAINS.
Claims use since February, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 448,248. ENERGETIC WORSTED CORPORATION, Bridgeport, Pa. Filed Oct. 30, 1941.

Knitcraft

FOR WORSTED AND OTHER THREADS AND YARNS COMPRISED OF OR INCLUDING WOOL.
Claims use since Aug. 28, 1941.

Ser. No. 448,259. THE P. MCGRAW WOOL COMPANY, Pittsburgh, Pa. Filed Oct. 30, 1941.

Craftknit

FOR WORSTED AND OTHER THREADS AND YARNS COMPRISED OF OR INCLUDING WOOL.
Claims use since Aug. 28, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 443,331. KNAPP-MONARCH COMPANY, doing business as Kwikway Company, St. Louis, Mo. Filed May 7, 1941.

KWIK-WAY

Applicant is owner of T. M. Reg. No. 367,005.
FOR ELECTRIC HEATING PADS AND ELECTRIC SUN LAMPS.
Claims use since Aug. 24, 1934, on the electric heating pads; and since Aug. 7, 1939, on sun lamps.

Ser. No. 448,493. THE L. D. CAULK COMPANY, Milford, Del. Filed Nov. 10, 1941.

Hue-lon

FOR PLASTIC MATERIAL FOR THE CONSTRUCTION OF CROWNS, INLAYS AND BRIDGES.
Claims use since Oct. 27, 1941.

Ser. No. 448,624. ALEXANDER F. STAMM, doing business as Star Dental Laboratory, Indianapolis, Ind. Filed Nov. 13, 1941.



FOR DENTURES AND PLASTIC MATERIAL FOR MAKING THE SAME.
Claims use since May 18, 1940.

Ser. No. 448,973. KLEISTONE RUBBER CO., INC., Warren, R. I. Filed Nov. 27, 1941.

Lynco

FOR ARCH CUSHIONS, HEEL CUSHIONS, HEEL LEVELERS, CORN CUSHIONS, BUNION CUSHIONS, CRUTCH ARM CUSHIONS, AND SPLINT CUSHIONS.
Claims use since 1913.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 443,445. WHITEHALL FOOD MANUFACTURING CORP., Brooklyn, N. Y. Filed May 9, 1941.

Maison Royal

FOR NON-ALCOHOLIC, MALTLESS BOTTLED EXTRACTS AND CONCENTRATES FOR THE MAKING OF NONALCOHOLIC MALTLESS BEVERAGES.
Claims use since April, 1937.

Ser. No. 446,660. NATIONAL CARBONATED BEVERAGE RESEARCH INSTITUTE, INC., Atlanta, Ga. Filed Aug. 29, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Brown-Belle

FOR CONCENTRATES, SYRUPS, FLAVORS, COMPOUNDS, AND EXTRACTS FOR USE IN THE MANUFACTURE OF NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July, 1940.

Ser. No. 448,536. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed Nov. 10, 1941.



FOR GRAPE JUICE.
Claims use since Apr. 1, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 436,744. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa. Filed Oct. 8, 1940.

MORNING LIGHT

Applicant is owner of registration No. 102,928.
FOR CATSUP, PEANUT BUTTER, GRAPE JAM, OLIVES, PICKLES, SYRUP MADE OF SUGAR, CANNED VEGETABLES, CANNED FRUIT, CANNED SOUPS, COCOA, COCONUT, AND TEA, AND VINEGAR, FRESH DECIDUOUS FRUITS, CANNED SAUER KRAUT, CANNED BERRIES, AND VEGETABLE SOUP MIX.
Claims use since Apr. 27, 1912.

Ser. No. 437,448. MCLAUGHLIN, WARD & COMPANY, Jackson, Mich. Filed Oct. 31, 1940.

JAXON

FOR DOG FOODS, POULTRY FOODS, STOCK FEEDS, DAIRY FEEDS, HORSE FEEDS, CATTLE FEEDS, SHEEP AND HOG FEEDS, AND DRY BEANS.
Claims use since July, 1930.

Ser. No. 446,881. KOSHER DESSERTS, INC., New York, N. Y. Filed Sept. 8, 1941.

KoJeL

The word "Jel" is disclaimed apart from the mark.
FOR GELATINES AND GELATINE DESSERTS.
Claims use since Aug. 21, 1941.

Ser. No. 447,011. CARNATION COMPANY, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash. Filed Sept. 13, 1941.

Carnation

The applicant is the owner of trade-marks 47,080, 54,383, and 185,821.
FOR EGGS.
Claims use since July 16, 1941.

Ser. No. 447,943. HUVAL BAKING COMPANY, INC., Lafayette, La. Filed Oct. 20, 1941.



Evangeline Maid

FOR BREAD.
Claims use since December, 1937.

Ser. No. 448,137. HAINES CITY CITRUS GROWERS ASSOCIATION, Haines City, Fla. Filed Oct. 27, 1941.

Hill Top Gold

FOR FRESH CITRUS FRUIT.
Claims use since Sept. 26, 1941.

Ser. No. 448,171. ALPHONSE ROART, INC., Philadelphia, Pa. Filed Oct. 27, 1941.

Babarinettes

FOR CAKES.
Claims use since Jan. 1, 1940.

Ser. No. 448,292. HECKER PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 31, 1941.



FOR BREAKFAST CEREALS.
Claims use since Aug. 13, 1941.

Ser. No. 448,293. HECKER PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 31, 1941.



FOR BREAKFAST CEREALS.
Claims use since Aug. 13, 1941.

Ser. No. 448,499. DAIRYLAND CO-OPERATIVE ASSOCIATION, Juneau, Wis. Filed Nov. 10, 1941.

Land o'Dairies

FOR EVAPORATED MILK.
Claims use since July 19, 1941.

Ser. No. 448,556. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Nov. 12, 1941.

CAL-CUP

FOR CANNED FOODS—NAMELY, CANNED FRUITS.
Claims use since Jan. 24, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 438,954. THE CHARLES F. MILLER COMPANY, Cincinnati, Ohio. Filed Dec. 17, 1940.



FOR WHISKEY.
Claims use since 1885.

Ser. No. 448,583. RONRICO CORPORATION, San Juan, Puerto Rico, and Miami, Fla. Filed Nov. 12, 1941.



FOR DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM.
Claims use since Sept. 9, 1941.

Ser. No. 448,584. RONRICO CORPORATION, San Juan, Puerto Rico, and Miami, Fla. Filed Nov. 12, 1941.



The drawing is lined for brown.
FOR DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM.
Claims use since Sept. 9, 1941.

Ser. No. 448,655. SCHENLEY DISTRIBUTORS, INC., New York, N. Y., and Schenley, Pa. Filed Nov. 14, 1941.

CORK AND CORK SCREW

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Jan. 13, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 436,628. PROTECTOSEAL COMPANY OF AMERICA, INC., doing business as Multi Products Co., Chicago, Ill. Filed Oct. 3, 1940.



FOR WOOD FIBER NOVELTIES, METAL SPECIALTIES, AND ADVERTISING DISPLAYS, PARTICULARLY RELIGIOUS FIGURES, ADVERTISING FIGURES, PLAQUES, STATUES, AND ORNAMENTAL ANIMAL FIGURES OF ALL KINDS.
Claims use since July 1, 1940.

Ser. No. 439,555. POLAROID CORPORATION, Cambridge, Mass. Filed Jan. 10, 1941.

POLAROID

FOR TRANSPARENT ORGANIC PLASTIC MATERIAL IN THE FORM OF SHEETS OR BLOCKS.
Claims use since May, 1936.

Ser. No. 447,851. RUBBER FABRICS CORPORATION, New York, N. Y. Filed Oct. 16, 1941.



FOR RUBBERIZED WATERPROOF FABRICS IN THE PIECE.
Claims use since May 1, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 6, 1942

392,581. LAXATIVES AND ANTACIDS. PENNSYLVANIA MEDICINE CO., Johnstown, Pa.
Filed July 13, 1939. Serial No. 421,531. PUBLISHED SEPTEMBER 26, 1939. Class 6.

392,582. FROZEN FRESH COOKED MEATS INCLUDING BEEF STEW, LAMB STEW, SWISS STYLE STEAK, SPAGHETTI AND MEAT BALLS, CHOP SUEY, CHICKEN AND NOODLES, FISH, FOWL, AND VEGETABLES. KOLD KIST, INC., Los Angeles, Calif.
Filed January 31, 1940. Serial No. 428,078. PUBLISHED OCTOBER 28, 1941. Class 46.

392,583. CANNED FISH—NAMELY, CANNED TUNA. WESTGATE SEA PRODUCTS COMPANY, San Diego, Calif.
Filed July 18, 1940. Serial No. 434,137. PUBLISHED NOVEMBER 19, 1940. Class 46.

392,584. CHLORINATED RUBBER AND COMPOSITIONS SUCH AS RESINS CONTAINING THE SAME AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. THE RAOLIN CORPORATION, New York, N. Y.
Filed July 22, 1940. Serial No. 434,222. PUBLISHED APRIL 22, 1941. Class 6.

392,585. BRAKE VALVES FOR AUTOMOTIVE AIR BRAKES. BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE COMPANY, Pittsburgh, Pa.
Filed August 12, 1940. Serial No. 434,894. PUBLISHED OCTOBER 28, 1941. Class 13.

392,586. COFFEE. S. A. SCHONBRUNN & Co., INC., New York, N. Y.
Filed October 4, 1940. Serial No. 436,662. PUBLISHED OCTOBER 28, 1941. Class 46.

392,587. COMPOSITION IN POWDER OR FLAKE FORM FOR THE MANUFACTURE OF FLEXIBLE PLASTIC ARTICLES BY INJECTION MOLDING. FOSTER GRANT CO. INC., Leominster, Mass.
Filed October 12, 1940. Serial No. 436,886. PUBLISHED OCTOBER 28, 1941. Class 1.

392,588. SOLDERS, NON-FERROUS METALS, NON-FERROUS METAL ALLOYS, AND METAL ALLOYS WHICH ARE BASICALLY NON-FERROUS. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen, Germany.
Filed November 28, 1940. Serial No. 438,306. PUBLISHED OCTOBER 28, 1941. Class 14.

392,589. MEDICINAL PREPARATION FOR USE AS A SEDATIVE FOR GENERAL SEDATION AND AS A SEDATIVE IN THE TREATMENT OF COUGHS. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed December 17, 1940. Serial No. 438,945. PUBLISHED JANUARY 28, 1941. Class 6.

392,590. SYNTHETIC VITAMIN-K LIKE SUBSTANCE, RECOMMENDED FOR USE AS AN ANTI-HEMORRHAGE. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed December 17, 1940. Serial No. 438,946. PUBLISHED JANUARY 28, 1941. Class 6.

392,591. POWDERED WHOLE MILK. HERSHEY CREAMERY COMPANY, Harrisburg, Pa.
Filed December 12, 1940. Serial No. 438,766. PUBLISHED APRIL 22, 1941. Class 46.

392,592. ELECTRIC LAMPS AND ELECTRIC LIGHTING FIXTURES. EAGLE ELECTRIC MFG. CO., INC., Brooklyn, N. Y.
Filed January 18, 1941. Serial No. 439,774. PUBLISHED OCTOBER 28, 1941. Class 21.

392,593. CHEMICAL SUBSTANCES USED IN THE TEXTILE INDUSTRY, THE LEATHER INDUSTRY, AND THE PAPER INDUSTRY AS WETTING OUT, SOFTENING, EMULSIFYING, LUBRICATING AND LEVELING AGENTS. ANILINE DYES, ALIZARINE DYES AND OTHER DYES. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed January 24, 1941. Serial No. 439,950. PUBLISHED OCTOBER 28, 1941. Class 6.

392,594. WOOLLEN PIECE GOODS. COHEN & WILKS, LIMITED, Manchester, England.
Filed January 31, 1941. Serial No. 440,154. PUBLISHED OCTOBER 28, 1941. Class 42.

392,595. BLENDED ALL-PURPOSE WHEAT FLOUR. JOHN W. BISHOP COMPANY, doing business as Bishop's Flour Mills, Martinsburg, W. Va.
Filed February 1, 1941. Serial No. 440,186. PUBLISHED OCTOBER 28, 1941. Class 46.

392,596. SKI WAX KIT COMPRISED OF MORE THAN ONE CONTAINER OF VARIOUS KINDS OF SKI WAX. IRENE KEMPE, doing business as Kempe Mfg. Co., Jamaica, N. Y.
Filed February 1, 1941. Serial No. 440,204. PUBLISHED OCTOBER 28, 1941. Class 16.

392,597. TOILET TISSUE AND PAPER TOWELS. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed February 24, 1941. Serial No. 440,916. PUBLISHED MAY 6, 1941. Class 37.

392,598. BADGES OF FABRIC OR BASE METAL AND FLAGS. ERNEST ARTHUR RUMBOLL, Buenos Aires, Argentina.
Filed February 27, 1941. Serial No. 441,061. PUBLISHED OCTOBER 28, 1941. Class 50.

392,599. BAUXITE. SUCRO-BLANC, INC., New York, N. Y.
Filed February 27, 1941. Serial No. 441,065. PUBLISHED OCTOBER 28, 1941. Class 1.

392,600. NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed April 3, 1941. Serial No. 442,240. PUBLISHED OCTOBER 28, 1941. Class 28.

392,601. COMBINATION NURSING BOTTLE HOLDER AND TEETHING RING, ETC. ROY O. DRAYTON, Sacramento, Calif.
Filed April 7, 1941. Serial No. 442,354. PUBLISHED OCTOBER 28, 1941. Class 44.

392,602. MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND SOFA BEDS. MORTON M. SOLOMON, doing business as Tufts Mattress Company, Somerville, Mass.
Filed April 18, 1941. Serial No. 442,741. PUBLISHED OCTOBER 28, 1941. Class 32.

392,603. COAL, OIL, AND GAS RANGES, STOVES, HEATERS, GRILLS, OVENS, GRIDDLES, AND COUNTER COOKING APPLIANCES — NAMELY, COUNTER STOVES, HEATERS, GRILLS, OVENS, AND GRIDDLES. MAJESTIC MANUFACTURING CO., St. Louis, Mo.
Filed April 24, 1941. Serial No. 442,908. PUBLISHED OCTOBER 28, 1941. Class 34.

392,604. COAL, OIL, AND GAS RANGES, STOVES, HEATERS, GRILLS, OVENS, GRIDDLES, AND COUNTER COOKING APPLIANCES — NAMELY, COUNTER STOVES, HEATERS, GRILLS, OVENS, AND GRIDDLES. MAJESTIC MANUFACTURING CO., St. Louis, Mo.
Filed April 24, 1941. Serial No. 442,909. PUBLISHED OCTOBER 28, 1941. Class 34.

392,605. BEARING METAL. ENDURANCE METAL CORPORATION, Everett, Wash.
Filed April 29, 1941. Serial No. 443,074. PUBLISHED OCTOBER 28, 1941. Class 14.

392,606. COSMETICS AND BEAUTY PREPARATIONS—NAMELY, COLOGNE, DUSTING POWDER, BODY LOTION, LIPSTICKS, CREAM ROUGE, AND ROUGE COMPACTS. JACQUELINE COCHRAN, Roselle, N. J.
Filed April 30, 1941. Serial No. 443,116. PUBLISHED AUGUST 19, 1941. Class 6.

392,607. MEAT PRODUCTS—NAMELY, WIENERS IN CONTAINERS. OSCAR MAYER & COMPANY, INC., Chicago, Ill.
Filed May 2, 1941. Serial No. 443,201. PUBLISHED OCTOBER 28, 1941. Class 46.

392,608. TABLES, SOFAS, STUDIO COUCHES, LOUNGE CHAIRS, WING CHAIRS, STOOLS, BENCHES, SECTIONAL SOFAS, OCCASIONAL CHAIRS, AND WOOD SEAT CHAIRS, UPHOLSTERED OR NOT, ACCORDING TO DESIGN, ETC. A. BRANDT UPHOLSTERING COMPANY, INC., Fort Worth, Tex.
Filed May 9, 1941. Serial No. 443,393. PUBLISHED OCTOBER 28, 1941. Class 32.

392,609. WRAPPING PAPER, TOILET PAPER, TOWELS, TISSUE, AND ADHESIVE PAPER TAPE. UNITED PAPER COMPANY, INC., Richmond, Va.
Filed May 10, 1941. Serial No. 443,469. PUBLISHED OCTOBER 28, 1941. Class 37.

392,610. EVAPORATED, HOMOGENIZED, STERILIZED THERAPEUTIC PREPARATION FOR INVALIDS AND INFANTS, PREPARED FROM WHOLE MILK, SKIM MILK, LACTOSE, CRYSTALLINE VITAMIN B_1, COD LIVER OIL CONCENTRATE, AND FERRIC CITRATE. THE BORDEN COMPANY, New York, N. Y.
Filed May 22, 1941. Serial No. 443,802. PUBLISHED OCTOBER 21, 1941. Class 6.

392,611. TEXTILE DYEING ASSISTANTS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed May 29, 1941. Serial No. 444,031. PUBLISHED OCTOBER 21, 1941. Class 6.

392,612. UNGUENT WHICH PROMOTES HEALING, PREVENTS DESTRUCTION OF TISSUE AND ALLEVIATES PAIN, RESULTING FROM ALL TYPES OF HEAT OR ACID BURNS, SKIN ABRASIONS, AND SURFACE INFECTIONS. HOLLY-MIN, LTD., Los Angeles, Calif.
Filed June 4, 1941. Serial No. 444,185. PUBLISHED OCTOBER 21, 1941. Class 6.

392,613. BACON. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed June 5, 1941. Serial No. 444,219. PUBLISHED OCTOBER 28, 1941. Class 46.

392,614. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 6, 1941. Serial No. 444,253. PUBLISHED AUGUST 12, 1941. Class 42.

392,615. PORTABLE HAND FIRE EXTINGUISHING APPARATUS. NATIONAL POWDER EXTINGUISHER CORPORATION, Jersey City, N. J.
Filed June 6, 1941. Serial No. 444,274. PUBLISHED OCTOBER 28, 1941. Class 23.

392,616. CHAPLETS CONSISTING OF FRESH FLOWERS FASTENED TO A BANDEAU. MARY M. SMALL, Pasadena, Calif.
Filed June 6, 1941. Serial No. 444,281. PUBLISHED OCTOBER 28, 1941. Class 1.

392,617. TREATMENT FOR LOOSE DANDRUFF. VIRGIL E. BEASLEY, doing business as Novadane Chemical Company, San Antonio, Tex.
Filed June 10, 1941. Serial No. 444,373. PUBLISHED OCTOBER 28, 1941. Class 6.

392,618. OILS AND GREASES FOR FUEL AND LUBRICATION. JOHN A. CASEY COMPANY, INC., New York, N. Y.
Filed June 13, 1941. Serial No. 444,490. PUBLISHED OCTOBER 28, 1941. Class 15.

392,619. WOOLEN AND WORSTED TEXTILE PIECE GOODS. AMALGAMATED TEXTILES LIMITED, New York, N. Y.
Filed June 16, 1941. Serial No. 444,555. PUBLISHED OCTOBER 28, 1941. Class 42.

392,620. WOOLEN AND WORSTED TEXTILE PIECE GOODS CONTAINING AN APPRECIABLE AMOUNT OF VICUNA DOWN. AMALGAMATED TEXTILES LIMITED, New York, N. Y.
Filed June 16, 1941. Serial No. 444,557. PUBLISHED OCTOBER 28, 1941. Class 42.

392,621. RAYON AND ACETATE PIECE GOODS. DUPLEX FABRICS CORP., New York, N. Y.
Filed June 25, 1941. Serial No. 444,823. PUBLISHED OCTOBER 28, 1941. Class 42.

392,622. COLOGNE, PERFUME, FACE POWDER, AND DUSTING POWDER. WILLIAM J. WARDALL, TRUSTEE FOR THE ESTATE OF MCKESSON & ROBBINS, INC., DEBTOR, New York, N. Y.
Filed June 26, 1941. Serial No. 444,884. PUBLISHED OCTOBER 28, 1941. Class 6.

392,623. FROZEN FRUITS, FROZEN VEGETABLES. SANTA CLARA FROSTED FOODS CO., Santa Clara, Calif.
Filed June 30, 1941. Serial No. 444,980. PUBLISHED OCTOBER 28, 1941. Class 46.

392,624. GAS ABSORBING MATERIAL, PARTICULARLY GAS-ABSORBING MATERIAL COMPRISING A MIXTURE OF SOLID POROUS SUBSTANCES INCLUDING CALCIUM AND BARIUM HYDROXIDES AND ESPECIALLY ADAPTED UPON EXPOSURE TO GASEOUS MIXTURES TO ABSORB ACID GASES WHICH MAY BE PRESENT. THOMAS A. EDISON, INCORPORATED, West Orange, N. J.
Filed July 1, 1941. Serial No. 444,989. PUBLISHED OCTOBER 28, 1941. Class 6.

392,625. GASES DESIGNED PRIMARILY FOR USE BY ANESTHETISTS, PHYSICIANS, AND DENTISTS, AND INCLUDING OXYGEN, NITROGEN, ETC. THOMAS A. EDISON, INCORPORATED, West Orange, N. J.
Filed July 1, 1941. Serial No. 444,992. PUBLISHED OCTOBER 28, 1941. Class 6.

392,626. CANNED FRUITS AND VEGETABLES. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed July 7, 1941. Serial No. 445,159. PUBLISHED OCTOBER 28, 1941. Class 46.

392,627. CHICKEN, FRIED OR COOKED, AND MEALS OR LUNCHEONS INCLUDING PREPARED CHICKEN. THAD WILSON, Gary, Ind.
Filed July 8, 1941. Serial No. 445,184. PUBLISHED OCTOBER 28, 1941. Class 46.

392,628. MOTOR AND INDUSTRIAL LUBRICATING OILS AND GREASES. TOPSALL LUBRICANTS, INC., North Tonawanda, N. Y.
Filed July 9, 1941. Serial No. 445,216. PUBLISHED OCTOBER 28, 1941. Class 15.

392,629. ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES. EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 11, 1941. Serial No. 445,267. PUBLISHED OCTOBER 28, 1941. Class 21.

392,630. WHITE SIDE WALL TIRE SIMULATING RINGS. CHARLES B. ASKE, JR., Detroit, Mich.
Filed July 14, 1941. Serial No. 445,313. PUBLISHED OCTOBER 28, 1941. Class 19.

392,631. UNTHREADED BELL AND SPIGOT CAST IRON PIPE JOINTS. DRESSER MANUFACTURING COMPANY, Bradford, Pa.
Filed July 15, 1941. Serial No. 445,353. PUBLISHED OCTOBER 28, 1941. Class 13.

392,632. JEWELRY MADE OF PRECIOUS METAL OR PLATED WITH PRECIOUS METAL—NAMELY, WEDDING RINGS, ENGAGEMENT RINGS, BRACELETS, PENDANTS, AND BROOCHES. JABEL RING MANUFACTURING CO., Newark, N. J.
Filed July 15, 1941. Serial No. 445,357. PUBLISHED OCTOBER 28, 1941. Class 28.

392,633. ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES. EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 17, 1941. Serial No. 445,418. PUBLISHED OCTOBER 28, 1941. Class 21.

392,634. ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES. EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 17, 1941. Serial No. 445,419. PUBLISHED OCTOBER 28, 1941. Class 21.

392,635. ELECTRIC LIGHTING EQUIPMENT AND MORE PARTICULARLY LIGHT FIXTURES. EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 17, 1941. Serial No. 445,420. PUBLISHED OCTOBER 28, 1941. Class 21.

392,636. GROUND BEEF AND PORK SANDWICHES. J. P. RANKIN, Bakersfield, Calif.
Filed July 17, 1941. Serial No. 445,435. PUBLISHED OCTOBER 21, 1941. Class 46.

392,637. WOOD-ENCASED LEAD PENCILS. RICHARD BEST PENCIL COMPANY, INC., Irvington, N. J.
Filed July 25, 1941. Serial No. 445,624. PUBLISHED OCTOBER 28, 1941. Class 37.

392,638. ENVELOPES. MAIL-WELL ENVELOPE COMPANY, Portland, Oreg.
Filed July 26, 1941. Serial No. 445,663. PUBLISHED OCTOBER 28, 1941. Class 37.

392,639. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed July 31, 1941. Serial No. 445,811. PUBLISHED OCTOBER 28, 1941. Class 46.

392,640. PHOTOGRAPHIC DISPLAY FOLDERS. RALSEN PRESS, INC., New York, N. Y.
Filed July 31, 1941. Serial No. 445,826. PUBLISHED OCTOBER 28, 1941. Class 37.

392,641. SILK, RAYON, AND COTTON PIECE GOODS. VELVERAY CORPORATION, New York, N. Y.
Filed July 31, 1941. Serial No. 445,830. PUBLISHED OCTOBER 28, 1941. Class 42.

392,642. BEER. CERVECERIA NACIONAL DOMINICANA C. POR A., Santo Domingo, Dominican Republic.
Filed August 1, 1941. Serial No. 445,836. PUBLISHED OCTOBER 28, 1941. Class 48.

392,643. DRESSING, CLEANSER, AND POLISH FOR SLIPPERS, SHOES, AND OTHER LEATHER TRIMMED APPAREL. KNOMARK MFG. CO., INC., Brooklyn, N. Y.
Filed August 1, 1941. Serial No. 445,849. PUBLISHED OCTOBER 28, 1941. Class 4.

392,644. PILE FABRICS IN THE PIECE COMPOSED OF ALPACA AND COTTON. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 2, 1941. Serial No. 445,875. PUBLISHED OCTOBER 28, 1941. Class 42.

392,645. PILE FABRICS IN THE PIECE COMPOSED OF ALPACA AND COTTON. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 2, 1941. Serial No. 445,876. PUBLISHED OCTOBER 28, 1941. Class 42.

392,646. LIP SALVE, AN OINTMENT AND A DENTAL SOLUTION. BARFRED RESEARCH LABORATORIES, Newark, N. J.
Filed August 7, 1941. Serial No. 446,039. PUBLISHED OCTOBER 21, 1941. Class 6.

392,647. FERROUS METAL ALLOYS. ELECTRO METALLURGICAL COMPANY, New York, N. Y.
Filed August 7, 1941. Serial No. 446,047. PUBLISHED OCTOBER 28, 1941. Class 14.

392,648. LAWN GRASS SEED. J. OLIVER JOHNSON SEED COMPANY, Chicago, Ill.
Filed August 7, 1941. Serial No. 446,051. PUBLISHED OCTOBER 28, 1941. Class 1.

392,649. MEDICINAL AND PHARMACEUTICAL PREPARATIONS FOR INTERNAL USE, INCLUDING PREPARATIONS FOR THE TREATMENT OF METABOLIC DEFICIENCIES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed August 7, 1941. Serial No. 446,065. PUBLISHED OCTOBER 21, 1941. Class 6.

392,650. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, AND LIMES, AND CANNED CITRUS FRUITS. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla.
Filed August 7, 1941. Serial No. 446,067. PUBLISHED OCTOBER 28, 1941. Class 46.

392,651. ELECTRIC STEAMING IRONS. STEEM-ELECTRIC CORPORATION, St. Louis, Mo.
Filed August 7, 1941. Serial No. 446,068. PUBLISHED OCTOBER 28, 1941. Class 21.

392,652. ELECTRIC STEAMING IRONS. STEEM-ELECTRIC CORPORATION, St. Louis, Mo.
Filed August 7, 1941. Serial No. 446,069. PUBLISHED OCTOBER 28, 1941. Class 21.

392,653. STOKERS. CATSKILL METAL WORKS, INC., Catskill, N. Y.
Filed August. 8, 1941. Serial No. 446,071. PUBLISHED OCTOBER 28, 1941. Class 34.

392,654. STOKERS. CATSKILL METAL WORKS, INC., Catskill, N. Y.
Filed August 8, 1941. Serial No. 446,072. PUBLISHED OCTOBER 28, 1941. Class 34.

392,655. COLD CREAM, VANISHING CREAM, SKIN LOTION, HAIR DRESSING, FACE POWDER, TALCUM POWDER, HAIR TONIC, LIP STICK, AND ROUGE. CHEATHAM CHEMICAL COMPANY, Atlanta, Ga.
Filed August 9, 1941. Serial No. 446,096. PUBLISHED OCTOBER 28, 1941. Class 6.

392,656. COLD CREAM, VANISHING CREAM, SKIN LOTION, HAIR DRESSING, FACE POWDER, TALCUM POWDER, HAIR TONIC, LIP STICK, AND ROUGE. CHEATHAM CHEMICAL COMPANY, Atlanta, Ga.
Filed August 9, 1941. Serial No. 446,097. PUBLISHED OCTOBER 28, 1941. Class 6.

392,657. BARIUM SULPHATE EXTENDED LITHOPONE. THE GLIDDEN COMPANY, Cleveland, Ohio., doing business as The Chemical & Pigment Company, Collinsville, Ill.; Oakland, Calif.; and St. Helena, Baltimore, Md.
Filed August 9, 1941. Serial No. 446,108. PUBLISHED OCTOBER 28, 1941. Class 16.

392,658. HYPNOTICS, PARTICULARLY SODIUM ETHYL 1 METHYL BUTYL BARBITURATE. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y.
Filed August 9, 1941. Serial No. 446,113. PUBLISHED OCTOBER 21, 1941. Class 6.

392,659. CHEMICAL COMPOUND FOR SPRAYING AROUND TREES AND SHRUBBERY TO REPEL DOGS AND CATS. COMFORT MANUFACTURING COMPANY, Chicago, Ill.
Filed August 11, 1941. Serial No. 446,130. PUBLISHED OCTOBER 21, 1941. Class 6.

392,660. FUEL AND HEATING OILS. I. L. SCHURMAN, Chicago, Ill.
Filed August 11, 1941. Serial No. 446,146. PUBLISHED OCTOBER 28, 1941. Class 15.

392,661. SLIDE FASTENERS. LEON A. SUTTON, New York, N. Y.
Filed August 11, 1941. Serial No. 446,151. PUBLISHED OCTOBER 28, 1941. Class 13.

392,662. GREEN BILLIARD TABLE CLOTH. A. D. ELLIS MILLS INCORPORATED, Monson, Mass.
Filed August 14, 1941. Serial No. 446,231. PUBLISHED OCTOBER 28, 1941. Class 42.

392,663. PHOTOGRAPHIC DEVELOPERS AND FIXER HARDENERS. RAYGRAM CORPORATION, New York, N. Y.
Filed August 14, 1941. Serial No. 446,243. PUBLISHED OCTOBER 21, 1941. Class 6.

392,664. TEXTILE FABRICS OF COTTON, LINEN, RAYON, ACETATE, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Norwich, Conn.
Filed August 14, 1941. Serial No. 446,252. PUBLISHED OCTOBER 28, 1941. Class 42.

392,665. TEXTILE FABRICS OF COTTON, LINEN, RAYON, ACETATE, WOOL, AND MIXTURES OF THESE FIBRES IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Norwich, Conn.
Filed August 14, 1941. Serial No. 446,253. PUBLISHED OCTOBER 28, 1941. Class 42.

392,666. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 15, 1941. Serial No. 446,270. PUBLISHED OCTOBER 28, 1941. Class 42.

392,667. BREAD. LANGENDORF UNITED BAKERIES, INC., San Francisco, Calif.
Filed August 18, 1941. Serial No. 446,325. PUBLISHED OCTOBER 28, 1941. Class 46.

392,668. SEPARABLE SLIDE FASTENERS. CROWN FASTENER CORPORATION, Warren, R. I.
Filed August 23, 1941. Serial No. 446,487. PUBLISHED OCTOBER 28, 1941. Class 13.

392,669. PIECE GOODS OF COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED, AND PRINTED. MARVLO MILLS, INC., New York, N. Y.
Filed August 23, 1941. Serial No. 446,503. PUBLISHED OCTOBER 28, 1941. Class 42.

392,670. FLASHLIGHTS AND FLASHLIGHT CASES. BURGESS BATTERY COMPANY, Chicago, Ill.
Filed August 25, 1941. Serial No. 446,514. PUBLISHED OCTOBER 28, 1941. Class 21.

392,671. INKING RIBBONS AND CARBON PAPER. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed August 25, 1941. Serial No. 446,532. PUBLISHED OCTOBER 28, 1941. Class 11.

392,672. ELECTRIC HORNS AND LAMPS FOR USE ON VEHICLES, BICYCLES, AUTOMOBILES, AND TRUCKS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed August 26, 1941. Serial No. 446,540. PUBLISHED OCTOBER 28, 1941. Class 21.

392,673. ELECTRIC HORNS AND LAMPS FOR USE ON VEHICLES, BICYCLES, AUTOMOBILES, AND TRUCKS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed August 26, 1941. Serial No. 446,541. PUBLISHED OCTOBER 28, 1941. Class 21.

392,674. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 26, 1941. Serial No. 446,542. PUBLISHED OCTOBER 28, 1941. Class 26.

392,675. CARPETS AND RUGS. FAY CARPET CO., INC., New York, N. Y.
Filed August 27, 1941. Serial No. 446,569. PUBLISHED OCTOBER 28, 1941. Class 42.

392,676. PAINTS OF A VERY HEAVY CONSISTENCY OF A SEMI-PASTE-LIKE FORM FOR INTERIOR USE. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 29, 1941. Serial No. 446,675. PUBLISHED OCTOBER 28, 1941. Class 16.

392,677. CAMERAS. AMERICAN ADVERTISING & RESEARCH CORP., Chicago, Ill.
Filed September 2, 1941. Serial No. 446,716. PUBLISHED OCTOBER 28, 1941. Class 26.

392,678. ELECTRICAL CABLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed September 3, 1941. Serial No. 446,767. PUBLISHED OCTOBER 28, 1941. Class 21.

392,679. MANICURE SETS. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn.
Filed September 4, 1941. Serial No. 446,772. PUBLISHED OCTOBER 28, 1941. Class 44.

392,680. WHEAT GERM. PAUL E. HOLTON, doing business as Holton Laboratories, Detroit, Mich.
Filed September 6, 1941. Serial No. 446,838. PUBLISHED OCTOBER 28, 1941. Class 46.

392,681. FOOD BEVERAGE CONTAINING POWDERED WHEY AND DRIED BANANA. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif.
Filed September 8, 1941. Serial No. 446,858. PUBLISHED OCTOBER 28, 1941. Class 46.

392,682. PREPARATION FOR THE RELIEF OF PILES. IRA LICHTENSTEIN, Baldwin, N. Y.
Filed September 9, 1941. Serial No. 446,920. PUBLISHED OCTOBER 21, 1941. Class 6.

392,683. DENTIFRICE. HAROLD L. MACK, doing business as Mack Dental Co., Monterey, Calif.
Filed September 9, 1941. Serial No. 446,921. PUBLISHED OCTOBER 21, 1941. Class 6.

392,684. CREAM MEAL, WHEAT FLOUR AND BAKING POWDER. FANT MILLING COMPANY, Sherman, Tex.
Filed September 10, 1941. Serial No. 446,956. PUBLISHED OCTOBER 28, 1941. Class 46.

392,685. FILTERING APPARATUS. AMERICAN SEITZ FILTER CORPORATION, Paterson, N. J.
Filed September 16, 1941. Serial No. 447,054. PUBLISHED OCTOBER 28, 1941. Class 31.

392,686. LADIES' HANDBAGS. STRAND LEATHER GOODS CO., INC., New York, N. Y.
Filed September 16, 1941. Serial No. 447,082. PUBLISHED OCTOBER 28, 1941. Class 3.

392,687. PERMANENT WAVE PADS. BEN PICKARD, Chicago, Ill.
Filed September 18, 1941. Serial No. 447,176. PUBLISHED OCTOBER 28, 1941. Class 44.

392,688. FISHING LINES. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed September 20, 1941. Serial No. 447,217. PUBLISHED OCTOBER 28, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

392,689. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) EDMY BOURDIEU, Ventura, Calif. Filed May 11, 1940. Serial No. 431,804.

Pyracantha Duvali

FOR PLANTS (PYRACANTHA DUVALI.)
Claims use since 1935.

392,690. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ASHER LANE, JR., Topeka, Kans. Filed Oct. 17, 1940. Serial No. 437,041.

LANE-Rite-Spot® Display SIGN
"CARD ADVERTISING AT POINT OF PURCHASE"

FOR ELECTRICALLY LIGHTED ADVERTISING DISPLAY SIGNS.
Claims use since Aug. 1, 1939.

392,691. (CLASS 39. CLOTHING.) HEATHER HANDKERCHIEF WORKS, INC., New York, N. Y. Filed Oct. 29, 1940. Serial No. 437,371.

QUALITY
Heather
HANDKERCHIEFS

FOR HANDKERCHIEFS.
Claims use since Sept. 2, 1940.

392,692. (CLASS 39. CLOTHING.) GORDON BROS. MANUFACTURING CO. INC., Kansas City, Mo. Filed Nov. 1, 1940. Serial No. 437,470.

Margy Paige
Junior Frocks

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES, CONSISTING OF DRESS AND JACKET, AND COATS.
Claims use since September, 1940.

392,693. (CLASS 37. PAPER AND STATIONERY.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 13, 1940. Serial No. 438,802.

Queensbury

FOR TOILET AND FACIAL TISSUE.
Claims use since Nov. 9, 1940.

392,694. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OLD DOMINION COAL, IRON & COKE CORP., Roanoke, Va. Filed Dec. 16, 1940. Serial No. 438,896.

EXETER
POCAHONTAS

FOR COAL.
Claims use since Nov. 18, 1940.

392,695. (CLASS 39. CLOTHING.) WOLF & DESSAUER CO., Fort Wayne, Ind. Filed Feb. 18, 1941. Serial No. 440,765.

FOR LIVING IN OUR TOWN

FOR LADIES' AND MISSES' DRESSES, COATS, SUITS, JACKETS, BLOUSES, SWEATERS, AND OUTERSKIRTS; AND MEN'S, BOYS', LADIES', MISSES', AND CHILDREN'S GLOVES, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; HATS, CAPS, SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF; AND RAINCOATS.
Claims use since Mar. 1, 1940.

392,696. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABRAHAM J. BROOKS, doing business as Mill Textile Company, New York, N. Y. Filed Feb. 24, 1941. Serial No. 440,909.

Draip Fast

FOR COTTON, SILK, RAYON, WOOLEN, AND WORSTED FABRICS OR COMBINATIONS THEREOF.
Claims use since Sept. 24, 1940.

392,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. H. BUETER, doing business as T. H. Bueter Baking Co., Quincy, Ill. Filed Mar. 24, 1941. Serial No. 441,855.

Krusty WHEAT

FOR BREAD.
Claims use since Jan. 6, 1940.

392,698. (CLASS 12. CONSTRUCTION MATERIALS.) ARTHUR FLEISCHMAN, doing business as Lawrence Walflor Co., Detroit, Mich. Filed May 31, 1941. Serial No. 444,077.

BAK-O-METAL

FOR METAL TILES FOR WALLS.
Claims use since Oct. 1, 1940.

392,699. (CLASS 32. FURNITURE AND UPHOLSTERY.) THOMAS J. DOWD, also doing business as Dowd Chair Rental and Sales, Buffalo, N. Y. Filed June 25, 1941. Serial No. 444,822.

Dowd

FOR CHAIRS—NAMELY, COLLAPSIBLE CHAIRS, AND CHAIRS OF DESIGN AND NATURE ADAPTING THEM FOR USE AT OCCASIONAL FUNCTIONS SUCH AS FUNERALS, WEDDINGS, RECEPTIONS; TABLES—NAMELY, CARD TABLES, BANQUET TABLES, AND CABARET TABLES; TABLES AND CHAIRS AS DESCRIBED MADE IN WHOLE OR IN PART OF BRIGHT OR PLATED METAL, COMMONLY CALLED "CHROME" CHAIRS, TABLES, OR FURNITURE; AND BARS AND COUNTERS FOR THE DISPENSING AND SERVING OF LIQUID REFRESHMENTS AND COMESTIBLES.
Claims use since June, 1929.

392,700. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed July 18, 1941. Serial No. 445,469.

LACLEDE-METALTITE

FOR FIRE CLAY AND REFRACTORY COMPOSITIONS INCLUDING FIRE CLAY, USED IN THE CONSTRUCTION AND MAINTENANCE OF METALLURGICAL AND INDUSTRIAL FURNACES.
Claims use since May 8, 1940.

392,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. & F. CHEMICAL CO., Bossier City, La. Filed Aug. 21, 1941. Serial No. 446,441.

Teague & Fenton

FOR PREPARATION FOR TREATING FOOT DISEASES.
Claims use since June 15, 1939.

392,702. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAY H. HAINKE, doing business as Ray Hainke Manufacturing Company, Kensington, Kans. Filed Aug. 30, 1941. Serial No. 446,697.

KENSINGTON

FOR LAWN MOWERS.
Claims use since May 1, 1940.

392,703. (CLASS 39. CLOTHING.) FASHION CHILDREN DRESS CO., New York, N. Y. Filed Sept. 5, 1941. Serial No. 446,796.

Styled by
Renée Rae

FOR MISSES', GIRLS', AND CHILDREN'S DRESSES, BLOUSES, OUTERSKIRTS, SKIRT AND JACKET ENSEMBLES, PLAYSUITS, SLACKS, SLACK SUITS, OUTERSHORTS, HALTERS, OVERALLS, JACKETS, COVERALLS, AND HOODS.
Claims use since Mar. 1, 1940.

392,704. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) R. C. CHAMPION, doing business as Champion Seed Co., El Monte, Calif. Filed Sept. 19, 1941. Serial No. 447,179.

NEW YORKER

FOR MELON SEEDS.
Claims use since June, 1940.

392,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT W. LORENZ, doing business as Blue Ribbon Orchards, Harlingen, Tex. Filed Sept. 19, 1941. Serial No. 447,188.

SUN-MELO

FOR FRESH CITRUS FRUITS.
Claims use since November, 1937.

392,706. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LITWIN & SONS, Cincinnati, Ohio. Filed Oct. 8, 1941. Serial No. 447,612.

ELLIS

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 21, 1940.

392,707. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 18, 1941. Serial No. 447,923.

GLENARD

FOR PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES.
Claims use since Aug. 1, 1938.

392,708. (CLASS 32. FURNITURE AND UPHOLSTERY.) QUALITY MATTRESS CO., Rochester, N. Y. Filed Nov. 4, 1941. Serial No. 448,398.

Back Supporter

FOR INNER SPRING MATTRESSES.
Claims use since July 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,503. **MODEL FORM.** CORSETS. Registered December 29, 1891. J. SIEGEL & Co., Chicago, Ill., Detroit, Mich., and New York, N. Y. Re-renewed December 29, 1941, to American Lady Corset Co., Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

20,592. **SNOW BALL.** SHELLED RICE POP-CORN. Registered January 12, 1892. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 12, 1942.

21,191. **P V.** WHEAT, CORN, BARLEY, AND RYE. Registered May 24, 1892. F. H. PEAVEY & Co. Renewed May 24, 1942, to F. H. Peavey & Company, Minneapolis, Minn., a corporation of Minnesota, assignee by mesne assignments.

146,354. **WHITEX.** A BLUING FOR WOOL AND SILK. Registered September 6, 1921. LILLIAN E. SCOFIELD. Renewed September 6, 1941, to Park & Tilford, New York, N. Y., a corporation of New York, assignee.

147,932. **ALPHA.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered November 8, 1921. BOERICKE & TAFEL, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 8, 1941.

148,660. **TESTOGAN.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered November 22, 1921. VICTOR HALPER. Renewed November 22, 1941, to Cavendish Pharmaceutical Corporation, New York, N. Y., a corporation of New York, assignee.

148,826. **SUNBEAM.** HOUSE-DRESSES AND APRONS. Registered November 29, 1921. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed November 29, 1941.

148,990. **BABBITT.** SPROCKET VALVE WHEEL RIMS AND CHAIN GUIDES. Registered December 6, 1921. BABBITT STEAM SPECIALTY CO., New Bedford, Mass., a corporation of Massachusetts. Renewed December 6, 1941.

149,194. **ORSCO.** WINDOW AND DOOR SCREENS AND SCREENED-PORCH INCLOSURES. Registered December 6, 1921. ORANGE SCREEN CO., South Orange, N. J. Renewed December 6, 1941, to Orange Screen Company, Maplewood, N. J., a corporation of New Jersey.

149,230. **MICRO.** METAL-GRINDING MACHINES. Registered December 6, 1921. B. L. SCHMIDT COMPANY, Davenport, Iowa. Renewed December 6, 1941, to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware, assignee by mesne assignments.

149,341. **B-SQUARE.** SHEET-PACKING. Registered December 13, 1921. BABBITT STEAM SPECIALTY CO., New Bedford, Mass., a corporation of Massachusetts. Renewed December 13, 1941.

149,557. **DEFIANCE.** COFFEE. Registered December 13, 1921. THE WOOLSON SPICE CO., Toledo, Ohio. Renewed December 13, 1941, to Associated Food Distributors, Inc., Coldwater, Mich., a corporation of Michigan, assignee by mesne assignments.

149,891. **CONTINENTAL.** PAPER BAGS, EGG-CARTONS, AND MERCHANDISE-ENVELOPS. Registered December 27, 1921. CONTINENTAL PAPER & BAG MILLS. Renewed December 27, 1941, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

150,244. **THE DOW SERVICE.** A DAILY AND A WEEKLY PUBLICATION, NEWSPAPER, MAGAZINE, OR REPORT. Registered January 3, 1922. ALLEN E. BEALS CORPORATION. Renewed January 3, 1942, to The Dow Service, Incorporated, New York, N. Y., a corporation of New York, by change of name.

150,252. **CUMBAC.** HAIR RESTORER. Registered January 3, 1922. STANLEY BIEGANOWSKI. Renewed January 3, 1942, to Catherine Retzke, Chicago, Ill., successor.

150,278. **COLORITE.** LIQUID PAINTS, VARNISHES, VARNISH STAINS FOR COLORING AND FINISHING STRAW HATS, ETC. Registered January 3, 1922. CARPENTER-MORTON COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed January 3, 1942.

150,285. **CHATHAM.** BLANKETS MADE OF WOOL AND OF COTTON OR COMBINATION OF WOOL AND COTTON. Registered January 3, 1922. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C. Renewed January 3, 1942, to Chatham Manufacturing Company, Elkin, N. C., a corporation of North Carolina.

150,331. **DEGRACO.** READY MIXED PASTE AND SEMIPASTE PAINTS, PAINT ENAMELS IN LIQUID FORM, AND VARNISHES. Registered January 3, 1922. DETROIT GRAPHITE COMPANY, Detroit, Mich. Renewed January 2, 1942, to Detroit Graphite Company, Detroit, Mich., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

150,638. **SURETY.** UNSWEETENED EVAPORATED MILK. Registered January 3, 1922. WADDINGTON CONDENSED MILK CO. INC., Waddington, N. Y. Renewed January 3, 1942, to Waddington Milk Co., Inc., New York, N. Y., a corporation of New York, by change of name.

150,712. **TOWN TALK.** SMOKING AND CHEWING TOBACCO. Registered January 10, 1922. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 10, 1942.

150,780. **CONTINENTAL.** WRAPPING PAPER, PAPER TOWELS, PAPER NAPKINS, AND TOILET PAPER. Registered January 10, 1922. CONTINENTAL PAPER & BAG MILLS. Renewed January 10, 1942, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

150,840. **LA ARISTOCRATICA.** CIGARS. Registered January 10, 1922. HENRY CLAY AND BOCK & CO., LTD. Renewed January 10, 1942, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, assignee.

151,572. **SOLO.** STAMP PADS. Registered February 7, 1922. PEERLESS CARBON & RIBBON MFG. CO., INC., New York, N. Y., a corporation of New York. Renewed February 7, 1942.

151,699. **SIERRA.** CANNED FRUITS, EXCEPT OLIVES, AND CANNED VEGETABLES. Registered February 14, 1922. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif. Renewed February 14, 1942, to Tri-Valley Packing Association, San Francisco, Calif., a corporation of California, assignee by mesne assignments.

151,726. **CUPIDSILK.** UNDERWEAR OF WOVEN SILK MATERIAL, INCLUDING DRAWERS, CHEMISES, COMBINATION SUITS FOR WOMEN AND MISSES. Registered February 14, 1922. CUPID UNDERWEAR COMPANY, INC., Walden, N. Y. Renewed February 14, 1942, to Walden Underwear Co. Inc., Newburgh, N. Y., a corporation of New York, assignee.

152,555. **REPRESENTATION OF PARALLEL WHITE THREADS.** CAMEL'S-HAIR CLOTH IN THE PIECE. Registered February 28, 1922. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed February 28, 1942, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

152,714. **EUREKA.** EYE SHIELDS AND EYE PROTECTORS. Registered March 7, 1922. CHICAGO EYE SHIELD COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

152,938. **CREME OIL.** SOAP. Registered March 7, 1922. PEET BROS. MANUFACTURING COMPANY, Kansas City, Kans. Renewed March 7, 1942, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, successor.

153,565. **KLIK-TITE.** CAPS AND TOPS OF RECEPTACLES—NAMELY, BOXES AND CANS. Registered March 21, 1922. RALPH W. WILSON, New York, N. Y. Renewed March 21, 1942.

153,975. **TIRRO.** ADHESIVE TAPE. Registered April 4, 1922. BAUER & BLACK, Chicago, Ill. Renewed April 4, 1942, to The Kendall Company, Boston, Mass., and Chicago, Ill., a corporation of Massachusetts, assignee.

154,043. **THERMOLITH.** REFRACTORY CEMENT. Registered April 4, 1922. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 4, 1942.

154,066. **SNOW BIRD.** HAND SLEDS. Registered April 4, 1922. KALAMAZOO SLED COMPANY, Kalamazoo, Mich., a corporation of Michigan. Renewed April 4, 1942.

154,141. **AEROPLANE.** MOPS. Registered April 4, 1922. RUBON WOODFINISHING AND PRODUCTS COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed April 4, 1942.

154,270. **STRESS BREAKER.** DENTAL ATTACHING, MOUNTING AND ANCHORING DEVICES. Registered April 11, 1922. THE DRESCH LABORATORIES COMPANY, Toledo, Ohio. a corporation of Ohio. Renewed April 11, 1942.

154,290. **HI-CO.** CERTAIN NAMED DENTAL AND SURGICAL SUPPLIES. Registered April 11, 1922. THE HEIDBRINK COMPANY, Minneapolis, Minn. Renewed April 11, 1942, to The Ohio Chemical & Mfg. Co., Cleveland, Ohio, a corporation of Delaware, assignee by mesne assignments.

154,712. **WICKHAM.** MEN'S AND BOYS' OUTER CLOTHING. Registered April 18, 1922. STRAWBRIDGE & CLOTHIER. Renewed April 18, 1942, to Strawbridge & Clothier, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

154,783. **PREFERRED.** FRESH CITROUS FRUITS—NAMELY, ORANGES. Registered May 9, 1922. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif., a corporation of California. Renewed May 9, 1942.

154,815. **MOUNTAIN GOAT.** FRESH DECIDUOUS FRUITS. Registered May 9, 1922. WENATCHEE SKOOKUM GROWERS, Wenatchee, Wash. Renewed May 9, 1942, to Lake Chelan Growers' Union, Chelan, Wash., a corporation of Washington, assignee.

154,856. **RACER.** SCISSORS AND SHEARS. Registered May 16, 1922. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 16, 1942.

154,857. **REPRESENTATION OF AN OWL.** CASES, BOXES, AND CONTAINERS FOR EYEGLASSES, SPECTACLES, OPERA GLASSES, ETC. Registered May 16, 1922. AITCHISON & COMPANY, New York, N. Y., a firm. Renewed May 16, 1942.

154,913. **LINKS.** PLUG TOBACCO. Registered May 16, 1922. CUMBERLAND TOBACCO WORKS, Nashville, Tenn., a corporation of Tennessee. Renewed May 16, 1942.

154,927. **SUPEREX.** FISHING REELS. Registered May 16, 1922. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed May 16, 1942.

154,998. **PIEDMONT.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered May 16, 1922. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 16, 1942.

155,001. **ORIOLA.** MALTLESS FOUNTAIN DRINKS AND SIRUPS, AND EXTRACTS THEREFOR. Registered May 16, 1922. MCCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed May 16, 1942.

155,002. **CANADA DRY.** GINGER ALE. Registered May 16, 1922. J. J. MCLAUGHLIN LIMITED, Toronto, Ontario, Canada. Renewed May 16, 1942, to Canada Dry Ginger Ale, Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

155,004. **AL-KO-LAK.** PREPARED SHELLAC SUBSTITUTE. Registered May 16, 1922. THE MANTROSE CORPORATION, New York, N. Y. Renewed May 16, 1942, to The Mantrose Corporation, Brooklyn, N. Y., a corporation of New York.

155,037. **O A K.** TOY BALLOONS—NAMELY, SMALL AIRSHIP BALLOONS, TWO-COLOR BALLOONS, VALVE BALLOONS, AND SQUAWKER BALLOONS. Registered May 16, 1922. THE OAK RUBBER COMPANY, Ravenna, Ohio, a corporation of Ohio. Renewed May 16, 1942.

155,038. **"OAK".** TOY BALLOONS—NAMELY, SMALL AIRSHIP BALLOONS, TWO-COLOR BALLOONS, VALVE BALLOONS, AND SQUAWKER BALLOONS. Registered May 16, 1922. THE OAK RUBBER COMPANY, Ravenna, Ohio, a corporation of Ohio. Renewed May 16, 1942.

155,040. **FLEXINDEX.** FILING CARDS. Registered May 16, 1922. OXFORD FILING SUPPLY CO., Brooklyn, N. Y., a copartnership. Renewed May 16, 1942.

155,068. **ROSE FROSTAIR.** REFRIGERATORS. Registered May 16, 1922. J. ROSE & CO. INC., New York, N. Y., a corporation of New York. Renewed May 16, 1942.

155,101. **SERDAR.** SMOKING AND CHEWING TOBACCO, CIGARETTES, CIGARS, AND SNUFF. Registered May 16, 1922. "TURMAC" TURKISH-MACEDONIAN TOBACCO COMPANY, Arnhem, Netherlands. Renewed May 16, 1942, to "Turmac" Turkish-Macedonian Tobacco Company N. V., Amsterdam, Netherlands, a Dutch company.

155,105. **DURALENE.** LUBRICATING OILS. Registered May 16, 1922. THE UNITED OIL COMPANY, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed May 16, 1942.

155,117. **WHITE.** MOP WRINGERS. Registered May 16, 1922. WHITE MOP WRINGER CO., Fultonville, N. Y., a corporation of New York. Renewed May 16, 1942.

155,119. **PURA SNOW.** TOILET PAPER. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed May 16, 1942.

155,120. **BUTTERFLY.** TOILET PAPER. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed May 16, 1942.

155,121. **GOLD LEAF.** TOILET PAPER. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed May 16, 1942.

155,124. **ALETTA.** WRITING PAPER AND MAILING ENVELOPES. Registered May 16, 1922. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed May 16, 1942.

155,130. **WORTHINGTON.** PUMPING AND CERTAIN OTHER MACHINERY. Registered May 16, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Renewed May 16, 1942, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware, assignee.

155,245. **AMERICAN MAID.** CERTAIN NAMED ARTICLES OF ALUMINUMWARE USED FOR HOUSEHOLD AND KITCHEN PURPOSES. ILLINOIS PURE ALUMINUM CO., Lemont, Ill., a corporation of Illinois. Renewed May 23, 1942.

155,261. **STAR.** GUMMED-TAPE MOISTENING AND CUTTING MACHINES. Registered May 23, 1922. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Renewed May 23, 1942.

155,280. **BLACK AND WHITE.** FOUNTAIN PENS. Registered May 23, 1922. SALZ BROTHERS. Renewed May 23, 1942, to Salz Bros. Inc., New York, N. Y., a corporation of New York, assignee.

155,291. **TUNGSTO.** FILES. Registered May 23, 1922. TACONY FILE & HARDWARE CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 23, 1942.

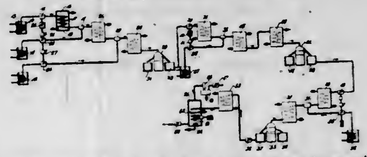
21,992

REFINING OF ANIMAL AND VEGETABLE OILS

Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Original No. 2,249,701, dated July 15, 1941, Serial No. 296,685, September 26, 1939. Application for reissue October 31, 1941, Serial No. 417,413

13 Claims. (Cl. 260—425)



1. The process of refining animal and vegetable oils which comprises: mixing a refining reagent with said oils to precipitate the foots therein, pumping a stream of a substantially uniform mixture of said oil and foots into a vapor separating zone, heating said stream during said pumping to a temperature sufficient to separate gaseous and vaporizable materials from said mixture in said zone in order to porduce a substantially dehydrated mixture of oil and foots and thereafter separating the dehydrated foots from said oil.

13. The process of refining animal and vegetable oils which comprises: mixing a refining reagent with said oil to precipitate foots therein, pumping a stream of a substantially uniform mixture of said oil and foots into a vapor separating zone while at a temperature sufficiently high to only partially separate the gaseous and vaporizable materials from said mixture in said zone in order to produce a mixture retaining a sufficient amount of water in the foots to provide for effective centrifugal separation of the foots from the oil and centrifugally separating said foots from said oil.

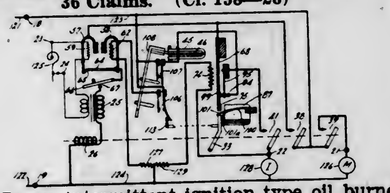
21,993

BURNER CONTROL SYSTEM

Lewis L. Cunningham, Glendale, Calif., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Original No. 2,198,556, dated April 23, 1940, Serial No. 285,279, July 19, 1939. Application for reissue March 14, 1941, Serial No. 383,447

36 Claims. (Cl. 158—28)



1. In an intermittent ignition type oil burner circuit, the combination of a relay for controlling the burner operation together with a warp switch timer for disconnecting the burner ignition means, magnetic means for biasing the warp switch in circuit closing position and the relay in circuit opening position, and a latch member cooperating with the relay for preventing the warp switch from moving to circuit closing position during continued burner operation.

21,994

METHOD OF HAIR WAVING

Gotthard Freudenberg, Hermsdorf, Berlin, Germany, and Alfred Edmund Reimers, Harrington Park, N. J., assignors to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio

Original No. 2,108,963, dated February 22, 1938, Serial No. 62,094, February 3, 1936. Application for reissue March 28, 1941, Serial No. 385,700

28 Claims. (Cl. 132—36)



1. A process of permanently waving women's hair which comprises selecting a strand of hair, clamping the strand closely adjacent the scalp, winding the strand upon a curling rod until wound up to the place of clamping, enclosing the wound up strand in a moistened pad, preheating two metal surfaces to a desired elevated temperature to cause several minutes steaming of the pad without additional heating, indicating when the surfaces have been heated and are being maintained at said desired temperature, and then clamping the pad between the previously heated metal surfaces.

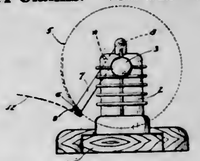
21,995

SPOOL SNUBBER

Carl E. Mueller, Milwaukee, Wis., assignor to General Printed String Company, Milwaukee, Wis., a corporation of Wisconsin

Original No. 2,152,909, dated April 4, 1939, Serial No. 89,798, July 9, 1936. Application for reissue August 17, 1940, Serial No. 353,131

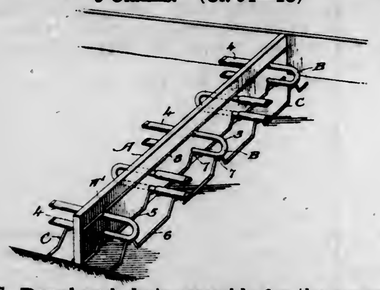
14 Claims. (Cl. 242—134)



10. In a spool holder, the combination with a twine-bearing spool having a circular brake-flange rotatable therewith about a common axis and intended normally to rotate in one direction only, of a snubber element and a support for said snubber element operative to permit said snubber element to be moved into and out of frictional engagement with the peripheral surface of said brake-flange, said brake-flange exerting a tangentially directed force against said snubber when engaged therewith and rotating in said direction, said support being operative, when said snubber is engaged with said brake-flange, to re-

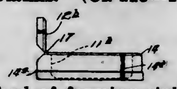
act through said snubber against said tangentially directed force in such direction that the resultant force, engendered by said tangential and reacting components of force, is directed through said snubber from the exterior toward the interior of the circle defining said peripheral surface, and snubber actuating means disposed in the path of withdrawal of twine carried by the spool for moving the snubber from engagement with the flange during withdrawal operations and permitting engagement of the snubber and flange when withdrawal operations cease.

21,996
DOWEL MEANS FOR ROADWAY JOINTS
James M. Oates, Ashland, Va.
Original No. 2,164,590, dated July 4, 1939, Serial No. 193,149, February 23, 1938. Application for reissue March 12, 1941, Serial No. 383,027
9 Claims. (Cl. 94—18)



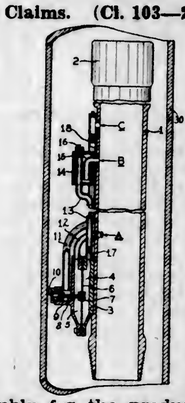
7. Dowel and chair assembly for the expansion and contraction joints between poured concrete slabs comprising a series of dowels arranged in spaced parallel relation, and chair means comprising a pair of continuous members of substantial depth dimension arranged in spaced planes perpendicular to the axes of the dowels, and formed to provide lower portions to engage the subgrade and upper portions supporting the dowels, each dowel having a linear anchor portion adjacent one end adapted to be permanently fixed in the concrete of one of the joint-forming slabs, said continuous members both being rigidly secured to the anchor portions of each of said dowels, the other ends of said dowels extending beyond the chair means a substantial distance and adapted to be slidably imbedded in the adjacent slabs.

21,997
METHOD OF MAKING SINKS, WASHBASINS, AND THE LIKE
Jacques Stanitz, Warren, Ohio, assignor, by mesne assignments, to Steel Plumbing Wares, Inc., Detroit, Mich., a corporation of Michigan
Original No. 1,916,910, dated July 4, 1933, Serial No. 646,207, December 7, 1932. Application for reissue December 18, 1940, Serial No. 370,733
4 Claims. (Cl. 113—120)



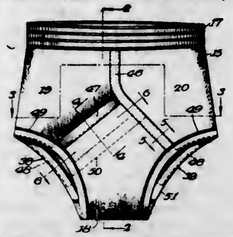
1. In a method of forming sinks, wash basins and the like with a splash-back from a metal blank, the steps of drawing down an integral sheet of metal to form a substantially rectangular fluid-receiving bowl, leaving sufficient metal in the original plane of the blank to form a splash-back with a flange around three sides at the rear of the bowl and a turned rim with an apron around three sides of the bowl; then forming a flange around three sides of the splash-back and a turned rim with an apron around three sides of the bowl, the flange being coplanar with the apron and the splash-back being coplanar with the top of the rim, at each end of the sink; and then bending the splash-back upward along and throughout the length of a longitudinal line lying back of the plane of the back wall of the bowl and in the plane of the top of the rim and in the original plane of the blank, said line extending along the splash-back and through and across the width of the top of the rim at each end of the sink to form a substantially vertical splash-back.

21,998
GAS LIFT VALVE
Maurice B. Thomas, Houston, Tex.
Original No. 2,216,967, dated October 8, 1940, Serial No. 191,200, February 18, 1938. Application for reissue October 6, 1941, Serial No. 413,832
15 Claims. (Cl. 103—232)



1. An assembly for the production of liquid from a subsurface deposit comprising a conduit establishing liquid connection between said deposit and the surface, a source of high pressure gas, a passage connecting said source to the interior of said conduit, a valve for controlling said passage, and means sensitive to the specific gravity of the liquid in said conduit solely at a point below the point of connection thereto of said gas passage for fixing the position of said valve.

21,999
UNDERGARMENT
Arthur R. Kneibler, Kenosha, Wis., assignor to Coopers Inc., Kenosha, Wis., a corporation of Wisconsin
Original No. 2,019,140, dated October 29, 1935, Serial No. 23,995, May 29, 1935. Application for reissue October 17, 1940, Serial No. 361,602
15 Claims. (Cl. 2—224)



12. An undergarment of the class described formed of knitted material which is resilient transversely but substantially inelastic vertically and adapted to stretch taut and conform snugly to the body in use, said garment comprising front and back body portions, an elastic waist band, and a crotch portion, said crotch portion having a front end extension lapping a portion of the front of the garment and united thereto at spaced points to form, in effect, a fly-closed opening in the front of the garment, and substantially inelastic means connecting said crotch portion to said waist band to support the crotch portion from the waist band.

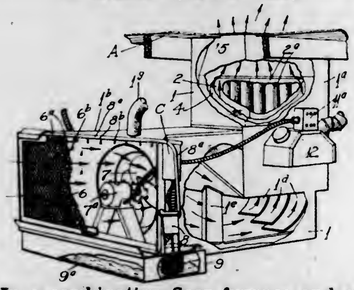
PATENTS

GRANTED JANUARY 6, 1942

2,268,540
COMBINATION FLOOR FURNACE AND EVAPORATIVE COOLING UNIT

John S. Andrews, Los Angeles, Calif.

Application January 15, 1940, Serial No. 313,822
14 Claims. (Cl. 126—113)



1. In a combination floor furnace and evaporative cooling unit of the class described, the combination of a floor furnace arranged for either gravity or forced circulation connected with and adjacent the floor of a room and an evaporative cooling means cooperatively connected with said floor furnace for controlling the flow and humidification of air through said floor furnace and the floor of a room.

2,268,541
ARTIFICIAL FISH BAIT

Fred A. Arbogast, Akron, Ohio

Application May 23, 1940, Serial No. 336,746
10 Claims. (Cl. 43—42)

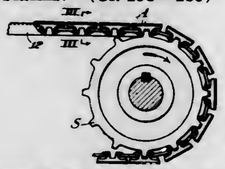


1. An artificial bait comprising a buck-tail or fly having strands of flexible material, the opposite faces of said strands having characteristics which react differently when the bait is placed in water, to cause movement of said strands.

2,268,542
CONVEYER CHAIN

Christian N. Bergmann, Pittsburgh, Pa., assignor of one-third to Charles M. Clarke, Sewickley, Pa.

Application January 15, 1940, Serial No. 313,816
9 Claims. (Cl. 198—189)

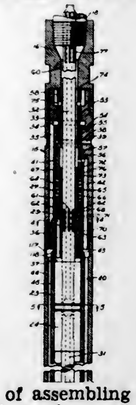


1. A conveyer chain consisting of a series of supporting members each having a platform and a connected base provided with a sprocket tooth recess and opposite terminal lug portions having link-engaging holes, and open side links connecting adjacent members through said holes.

2,268,543
METHOD OF ASSEMBLING FLUID OPERATED PUMPS

Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada

Original applications July 18, 1932, Serial No. 623,171, and April 11, 1934, Serial No. 720,056. Divided and this application January 24, 1938, Serial No. 186,596
5 Claims. (Cl. 29—84)



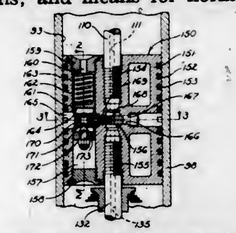
1. A method of assembling a device including a cylinder head member and a cylinder member having a liner therein so that said cylinder head member and said liner are in end-to-end fluid-tight relation, including the steps of: locally heating one of said members so as to cause it to expand; joining said members together in end-to-end relation; and equalizing the temperatures of said members so as to cause said one of said members to contract to form an end-to-end fluid-tight joint between said cylinder head member and said liner.

2,268,544
LUBRICATED PISTON

Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada

Application July 10, 1940, Serial No. 344,748
12 Claims. (Cl. 309—6)

7. In a piston device, the combination of: a piston adapted to be slidably received in a cylinder, said piston having a central chamber and passage means communicating between said central chamber and the outer periphery of said piston, there being an offset bore provided in said piston parallel with but offset from the axis of said piston; a piston rod connected to said piston and having a piston rod passage therein communicating between said central chamber and a source of supply of fluid under pressure; a tubular metering valve in said offset bore and movable to control a flow of fluid through said passage means; a valve member carried by said tubular metering valve and adapted to close said passage means; and means for normally yield-

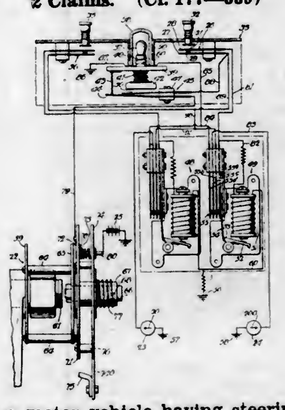


ably maintaining said tubular metering valve in a position in which said valve member opens said passage, but movable to close said valve member in response to a rise in fluid pressure in said passage means.

2,268,545
SIGNAL DEVICE

Harry P. Crider, Chicago, Ill.

Application November 29, 1937, Serial No. 176,981
2 Claims. (Cl. 177—339)

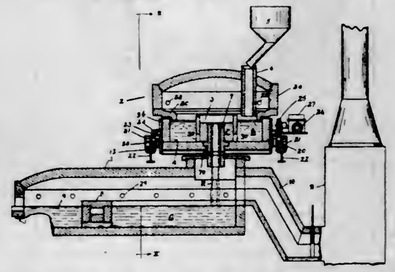


1. In a motor vehicle having steering mechanism comprising a chassis frame, a steering column, a steering wheel at the upper end of said column and a steering arm shaft supported by said frame and movable in response to the movement of said wheel, the combination of mechanism for indicating the contemplated turning of said vehicle which comprises a signal element for indicating a contemplated right turn, a signal element for indicating a contemplated left turn, a single source of electrical energy for energizing said signals, a multiblade switch for each signal, the blades of each switch being of light spring metal and being insulated from each other at their bases and normally out of contact at their ends opposite their bases, an electromagnet for each multiblade switch, a casing supported adjacent to said steering wheel, a single contact indicator switch for each signal element in said casing and each having a manually operated spring pressed push button for engaging the corresponding switch for closing a circuit through the source of electrical energy and corresponding electromagnet for initially energizing said magnet, means operated by each electromagnet, respectively, for forcing the blades of the corresponding switch into electrical contact for closing a main circuit through said source and the corresponding signal element and for simultaneously closing a shunt from said main circuit through the electromagnet for maintaining the same energized, a master switch within said casing, a pilot light mounted on said master switch and having a transparent casing constituting a push button for said master switch for opening the main circuit through said source, said pilot being in series with one of the blades of said multiblade switch whereby when either indicator switch button is pressed, the pilot light and the corresponding signal light will be energized and will continue to be energized after the indicator switch button is released but may be deenergized by pressing on said transparent casing for opening the main circuit, and switch means mounted on said steering arm shaft and frame and operable by said shaft for opening said main circuit when said shaft moves through a predetermined substantial angle to either side of its normal position, said circuit and switches being so arranged and constructed that when the circuit through either of said signal lights and pilot light be opened, the lights will all remain deenergized until one of said indicator switch buttons is operated to close the corresponding circuit.

2,268,546
GLASS FURNACE

Samuel A. Forter, Avalon, Pa., assignor to Forter-Teichmann Company, a corporation of Pennsylvania

Application October 6, 1938, Serial No. 233,601
6 Claims. (Cl. 49—54)



1. A glass furnace including a refining chamber, a melting chamber arranged above said refining chamber, a well for a pool of raw glass arranged centrally in said melting chamber, a rotary hearth formed to support a batch of glass-forming materials in circumferentially extending relation with respect to said well, the side walls of said well rising above the floor of said hearth and including an inlet adjacent to said floor, and an outlet opening from said well at an elevation above said inlet and communicating with said refining chamber below.

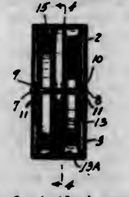
2,268,547
REEL HOLDER

Frank M. Haines, Milwaukie, Oreg.

Application March 1, 1941, Serial No. 381,321
2 Claims. (Cl. 242—137)

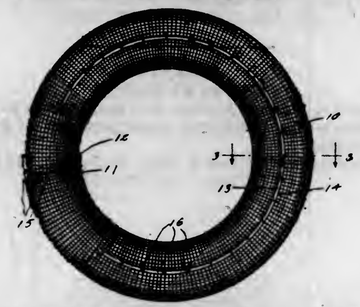
1. A reel holder comprising two semi-cylindrical portions hinged together, corresponding notches formed in each portion to form aligned bearings, reels mounted upon separate shafts, said shafts being rotatably mounted at their outer ends in said bearings, bearing brackets extending inwardly from a peripheral wall of one of said cylindrical portions and rotatably supporting the inner ends of said shafts, said brack-

ets being in frictional engagement with said reels, and spring arms extending inwardly from the side walls of one of said semi-cylindrical por-



tions and bifurcated at their upper ends to embrace said shafts and arranged in frictional engagement with said reels.

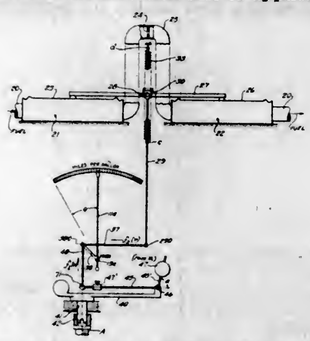
2,268,548
INNER TUBE TESTER
Lauri A. Hendrickson, Friendship, Maine
Application August 11, 1941, Serial No. 406,386
1 Claim. (Cl. 73—51)



An inner tube tester comprising, an annular metal mesh jacket similar in shape to the shape of an inner tube, the jacket being split transversely to provide terminal ends which telescopically fit each other so that the jacket may be retracted circumferentially or extended circumferentially to receive inner tubes of various sizes, the jacket also being split circumferentially to provide circumferential ends which are so spaced apart than an inner tube may be easily inserted through the space or open side of the annular jacket for confinement in the jacket, integral hooks formed of the material of the mesh on one of the terminal ends engageable in the mesh of the other terminal end, and integral hooks formed of the material of the mesh on one of the circumferential ends engageably in the mesh of the other circumferential end.

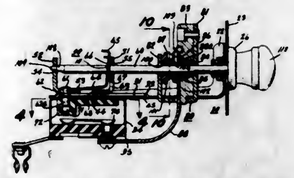
2,268,549
APPARATUS FOR INDICATING EFFICIENCY
Roy J. Kennedy, Pasadena, Calif., assignor of one-third to Myrtle Kurth and one-third to James T. Barkelew, both of Pasadena, Calif.
Application July 12, 1937, Serial No. 153,219
5 Claims. (Cl. 235—61)

1. In a ratio indicating instrument, the combination of an arm structure rotatable on a fixed axis, an indicator operable by the rotation of the arm structure, means comprising a link pivotally connected with a point on said arm structure for applying a rotative force to said structure, and means comprising a second link pivotally connected with a point on said arm structure for applying a counterrotative force to said structure, the angle between the direction line of application of one of said forces and the radius joining the point of application of said force with the rotative arm structure and the axis of rotation plus the angle between the direction line of application of



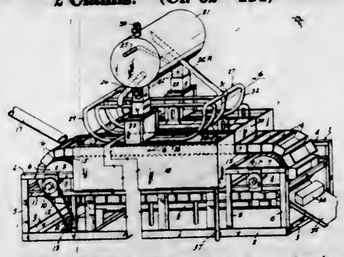
the other of said forces and the radius joining the point of application of said other force with the rotative arm structure and said axis being less than a straight angle, the arm structure being otherwise freely rotatable on said axis.

2,268,550
SWITCH AND RHEOSTAT
John H. Little, Royal Oak, Mich., and Arnold A. Bluemle and William Earl Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 16, 1940, Serial No. 345,798
7 Claims. (Cl. 201—48)



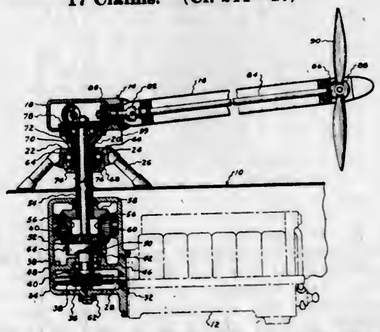
7. An electrical control device including a plurality of circuit controllers adapted to be mounted on one side of a panel, comprising a bracket having an arm provided with an opening adapted to be supported in axial alignment with an opening in the panel; a variable resistance and a switch mounted on another arm of the bracket and in spaced relation; actuating means for a movable part of the switch and of the variable resistance; a common removable operating shaft for operating the actuating means, said shaft adapted to be inserted from the other side of the panel through the openings of the panel and bracket arm and having a rotatable driving association with the actuating means for the resistance, the inner end of the shaft being rotatably supported on the actuating means for the switch; a yieldable element fixed to the actuating means for the switch; and cooperating provisions provided by the shaft and the yieldable element for interlocking the element with the shaft whereby the shaft is capable of longitudinal movement to operate the switch actuating means without effecting the position of the resistance actuating means, said cooperating means also permitting rotational movements for the shaft so as to drive the actuating means for the resistance without changing the position of the switch actuating means in the assembled relation of the parts.

2,268,551
ICE CREAM REFRIGERATOR
Raymond G. McMahon, Portland, Oreg., assignor to Fred Meyer, Inc., Portland, Oreg.
Application December 12, 1938, Serial No. 245,194
2 Claims. (Cl. 62—114)



1. Apparatus for freezing food products, comprising a refrigeration tank substantially U-shaped in cross section to form a longitudinal channel therein, an endless conveyor adapted to travel through said channel, a second refrigeration tank removably disposed within the channel and disposed above the conveyor so that the same will be entirely surrounded by the refrigeration tanks, a surge tank disposed above the refrigeration tanks and means for distributing a refrigerant from the surge tank into the refrigeration tanks and for circulating the refrigerant therethrough.

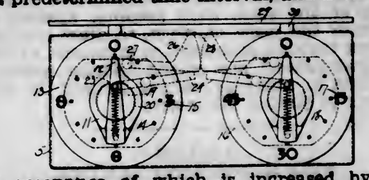
2,268,552
ROTOR OPERATING MECHANISM
Thomas B. Rhines, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 14, 1939, Serial No. 284,471
17 Claims. (Cl. 244—17)



1. In combination with an aircraft sustaining rotor, a hub for said rotor, a rotor carried propeller, concentric shafts for respectively driving said rotor hub and said propeller, means for driving said shafts, and a reversing gear drive between said shafts.

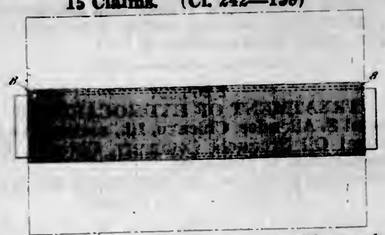
2,268,553
TIMING REMINDER
Marcus Hall Rhodes, Hartford, Conn.
Application March 6, 1940, Serial No. 322,522
6 Claims. (Cl. 161—23)

1. A timing reminder including a case forming a sound chamber, a mechanical clock mechanism, a timing device inclosed within the case, a winding and indicating member located outside of the case and operatively connected with the timing device, a dial displayed on the outer surface of the case for said indicating member, a signalling member within the case, and means operatively driven by the mechanical timing device to actuate the signaling member at the end of a predetermined time interval, and a tone bar



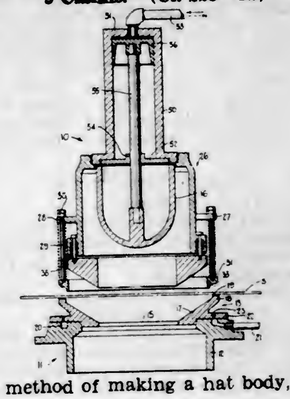
the resonance of which is increased by said sound chamber supported by the case outside thereof to receive blows of the signalling member operating through an opening in the case.

2,268,554
WINDING
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application June 1, 1940, Serial No. 338,313
15 Claims. (Cl. 242—150)



1. A method of preparing a textile package comprising winding the same yarn alternately in a plurality of layers of cross-winding and in a plurality of layers of winding having a slower traverse than the said layers of cross-winding, and adding further pluralities of layers of cross-winding and pluralities of layers of winding having a slower traverse than the cross-winding, said layers of cross winding and layers of slow traverse winding being superposed.

2,268,555
HATMAKING MACHINE
George S. Adler, New York, and Helmuth W. Waldorf, Staten Island, N. Y., assignors, by direct and mesne assignments, of one-half to said Adler and one-half to Seymour Prince, New York, N. Y.
Application May 6, 1939, Serial No. 272,196
5 Claims. (Cl. 223—12)



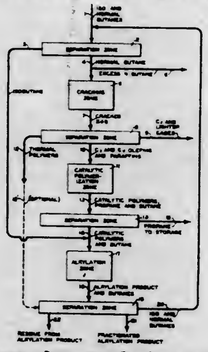
1. A method of making a hat body, consisting

in attaching a piece of cord annularly around a flat piece of stock, then pressing annular members against opposite sides of the piece of stock inside of the cord, then pressing against the center of the piece of stock, to draw the piece of stock through said annular members, to bring the cord against one of the annular members, and then to continue pushing against the piece of stock to stretch the latter.

2,268,556
FIRE RETARDANT TEXTILE
Roger Adams, Champaign, Ill., and Charles William Joseph Wende, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1939, Serial No. 249,654
20 Claims. (Cl. 91—68)

1. A non-volatile combustible organic material and, in added amount sufficient to act as a fire-retardant therefor, a compound containing the phytyl radical attached to a cation of the class consisting of inorganic cations and nitrogen-containing organic cations having a carbon to nitrogen ratio not exceeding 2:1.

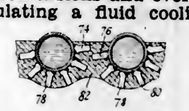
2,268,557
TREATMENT OF HYDROCARBONS
Samuel S. Allender, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 28, 1939, Serial No. 311,287
11 Claims. (Cl. 196—10)



9. A process for producing more valuable products from a hydrocarbon mixture containing normal butane and isobutane which comprises fractionating the mixture to separate an isobutane fraction and a normal butane fraction, subjecting the latter to conversion to produce normally gaseous polymerizable olefins therefrom, subjecting olefins thus formed to polymerization, combining resultant olefin polymers with said isobutane fraction and subjecting the mixture to alkylation.

2,268,558
FURNACE CONSTRUCTION
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 16, 1938, Serial No. 214,001
7 Claims. (Cl. 122—6)

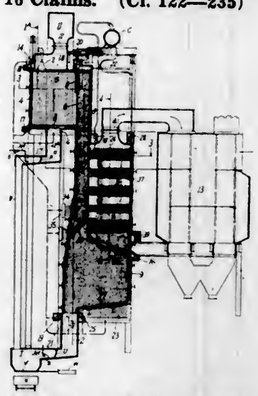
1. In a method of forming a furnace wall, providing fluid cooled tubular ferrous metal parts and securing them in such a position that they will be subject to the heat of the furnace, welding ferrous metal extensions to the tubes, processing a chemically neutral spinel composition with a plasticizer and cementing agent to form a stiff plastic, molding said stiff plastic spinel composition around the extensions and over surfaces of the tubes, circulating a fluid cooling medium





through the tubular parts heating the furnace face portion of said molded composition to such a high temperature as to oxidize parts of the said extensions and bond the composition thereto, and correlating said circulation and the heating to control the extent of the oxidation and bonding.

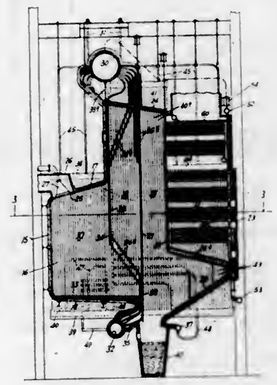
2,268,559
STEAM BOILER
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 15, 1938, Serial No. 219,315
16 Claims. (Cl. 122—235)



1. In combination, a boiler, a slag tap fluid cooled furnace operating above the ash fusion temperature of the fuel fired, means firing the furnace with elements of combustion including a pulverized fuel containing fusible non-combustibles, a fluid cooled down pass of substantial length directly connected to receive at its upper end the products of combustion including gas borne molten non-combustibles, and means proportioning heat absorption of the fluid cooling structure of said down pass to the heat content of the flowing gases whereby molten non-combustibles are retained on the fluid cooling surface of said down pass in a condition presenting a sticky surface for adhesion of additional gas borne material.

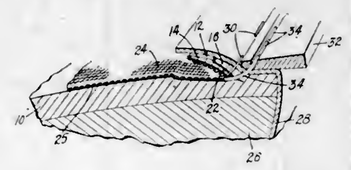
2,268,560
VAPOR GENERATOR
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 28, 1939, Serial No. 253,255
11 Claims. (Cl. 122—235)

1. A steam generator comprising a setting including a furnace chamber and a convection section spaced laterally of and connected to the furnace chamber by a substantially unobstructed vertically elongated connecting passage arranged between said furnace chamber and convection section, means for burning fuel in suspension in said furnace chamber, a relatively large diameter main steam and water drum arranged at the furnace chamber side of said convection section, the steam generating surface of the steam generator consisting mainly of rows of vertically



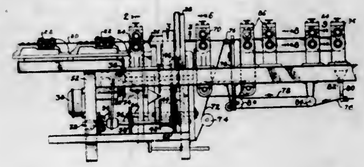
disposed tubes defining walls of said furnace chamber and connecting passage and receiving heat mainly by radiation, downcomer conduit means confined to the furnace chamber side of said convection section arranged to supply water from said drum to all of said radiantly heated tubes, and a bank of horizontally arranged steam superheating tubes extending across the path of the gases flowing through said convection section and connected to receive steam directly from said drum.

2,268,561
WELT SHOE AND INSOLE THEREFOR
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 27, 1939, Serial No. 306,235
10 Claims. (Cl. 36—17)



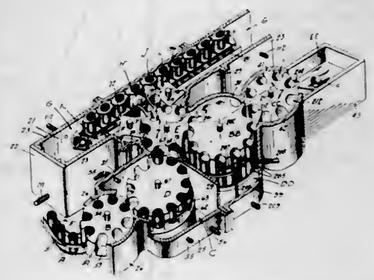
1. An insole having an edge portion of full insole thickness and having two marginal lips disposed one above the other, the lips being integral with the insole and extending inwardly from said edge portion and being secured together to form an inwardly inclined sewing rib of unitary laminated formation, said insole having a channel beneath said rib forming in that region an insole body portion of substantially less than full insole thickness.

2,268,562
PROCESS OF AND APPARATUS FOR FABRICATING GLASS RUN GUIDES
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 10, 1940, Serial No. 328,928
14 Claims. (Cl. 140—71)



1. That method of fabricating a glass run guide which comprises forming a metallic mesh consisting of at least two adjacent pairs of supporting wires extending linearly in substantially the same plane and having mesh forming wire strands wrapped about said two pairs of supporting wires as a unit, wrapping covering material about said wire mesh unit and securing the same together between the mesh forming wires and between the supporting wires, and severing said covered wire mesh unit along a line between said two pairs of supporting wires forming two covered wire mesh guide strips.

2,268,563
METHOD OF AND APPARATUS FOR CANNING
Charles O. Ball, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 2, 1938, Serial No. 199,733
12 Claims. (Cl. 99—182)



1. The method of canning which comprises introducing an open top can of product of the discrete particle type into a closed sterilizing chamber, maintaining the chamber under high temperature and pressure, clamping the can in inverted position while holding its product therein, introducing live steam at a temperature and pressure in excess of that in said sterilizing chamber and directly into the product while held in said inverted position to sterilize the product and to drain condensate from the can, re-righting said can and releasing the same from clamped position, and then hermetically sealing the product in the can while still in said sterilizing chamber.

2,268,564

PROCESS OF PRODUCING CELLULOSE DERIVATIVES

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 4, 1940, Serial No. 351,443
19 Claims. (Cl. 260—231)

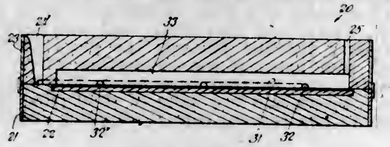
1. The process which comprises reacting a partially substituted, anhydrous cellulose with a substance selected from the group consisting of alkali metals and alkali metal amides in a medium comprising anhydrous, liquid ammonia and a liquid, anhydrous hydrocarbon, said hydrocarbon being substantially inert to said cellulose, said ammonia and said substance.

2,268,565

METHOD OF MAKING COMPOSITE BEARING METAL AND PRODUCTS THEREOF

Thomas B. Chace, Winnetka, Ill., assignor to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois

Application January 5, 1939, Serial No. 249,354
3 Claims. (Cl. 29—149.5)



1. Method of making a bearing which comprises, preheating a steel slab, casting a facing of cupreous metal upon the face of said slab, allowing the fused cupreous metal to remain fused upon said hot steel slab to produce a tenacious fusion bond, reducing the composite slab by rolling to bring the stock to gauge, said rolling serving to work the cast cupreous metal to a dense wrought structure, cutting the rolled stock to approximate size to form a bearing backing member, and casting a layer of molten anti-friction bearing metal of lower melting point than the cupreous facing thereupon, said molten bearing metal being cast at a temperature substantially in excess of its melting point upon the composite backing member in the cold condition, and said wrought layer of cupreous facing metal restraining iron migration from the steel backing into the anti-friction bearing metal, but forming a tenacious bond therewith.

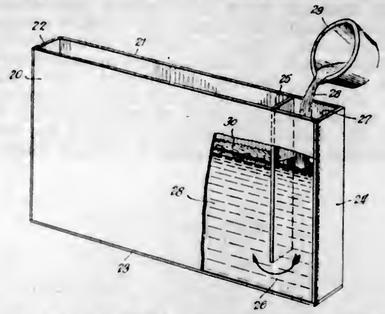
2,268,566

MOLD FOR PRODUCING COMPOSITE METAL STOCK

Thomas B. Chace, Winnetka, Ill., assignor to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois

Application May 10, 1940, Serial No. 334,302
3 Claims. (Cl. 22—116)

1. A mold comprising a pair of relatively thin slabs of corrosion resisting metal in parallel relation and spaced apart a distance appreciably greater than the combined thickness thereof, metal strip means along adjacent edges of said slabs and secured thereto in liquid-tight relation, and a metal separating strip extending between the opposing faces of said slabs adjacent one end of the space therebetween substantially parallel to said metal strip means thereat for forming therewith a pouring sprue, the lower end of said separating strip being spaced from the bottom of the space between said slabs to permit bottom pouring of molten metal thereinto, said slabs



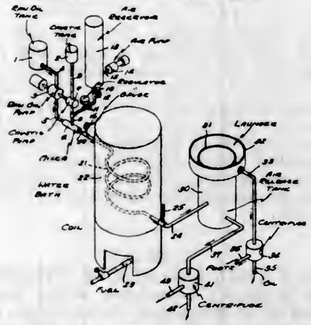
having their facing surfaces cleaned and fluxed for bonding to form a fusion bond with molten copper.

2,268,567

PROCESS OF REFINING OILS CONTAINING FREE FATTY ACIDS

Benjamin Clayton, Sugarland, Tex., and Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors, by direct and mesne assignments, to Refining, Inc., Reno, Nev., a corporation of Nevada

Application August 30, 1932, Serial No. 631,002
4 Claims. (Cl. 260—425)



1. A process of refining oils containing free fatty acids; that is, animal, vegetable, and fish oils, which comprises: mixing the oil with a reagent capable of saponifying said acids; injecting compressed air into said mixture; forcing the mixture to flow at a high velocity in a thin stream through a reaction chamber in which the fatty acids are intimately contacted with the reagent due to the turbulence of said stream; and thereafter separating said air and the reaction products produced by the action of said reagent on said acids from the oil.

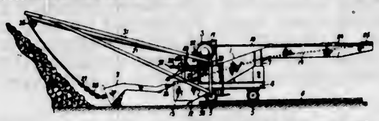
2,268,568

MATERIAL HANDLING APPARATUS

Robert A. Cook, Denver, Colo., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 13, 1940, Serial No. 318,737
14 Claims. (Cl. 214—110)

1. In a material handling apparatus, the combination comprising a portable loader base having a material receiving end, a loading scraper for moving material toward the material receiving end of said loader base, a haulage mechanism on said loader base having a plurality of cables for operating said loading scraper, a pair of similar elongated, laterally spaced booms mounted on said loader base with their outer ends disposed at the opposite sides of the path of movement of said scraper and projecting a substantial distance in advance of the material



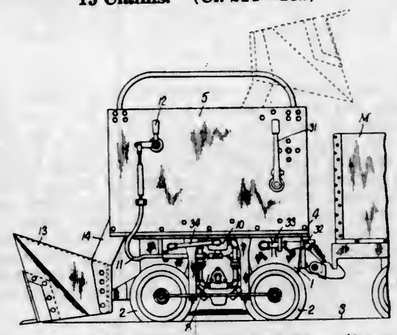
receiving end of said loader base, and self-contained guiding means supported entirely by said loader base for guiding said cables during the scraping operation and including guide sheaves respectively mounted at the outer extremities of said booms for concurrently guiding certain of the cables of the haulage mechanism.

2,268,569

MATERIAL LOADING APPARATUS

Robert C. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 16, 1940, Serial No. 319,184
15 Claims. (Cl. 214—132)



1. In a material loading apparatus, the combination comprising a portable base, a frame swivelled on said base to turn horizontally relative thereto about a vertical axis, a shovel mounted on said swivelled frame to swing in a vertical direction relative thereto from its lowered material-digging position to its raised dumping position, means for swinging said shovel in a vertical direction as aforesaid relative to said frame, power-operated self-centering means for said shovel automatically rendered effective when said shovel is swung upwardly a predetermined distance with respect to said frame for turning said swivelled frame horizontally relative to said base automatically to aline said shovel with said base as said shovel swings upwardly toward its dumping position, said centering means automatically becoming ineffective further to turn said swivelled frame when said shovel is alined with said base, and means actuated by an element of said shovel swinging means for automatically controlling said self-centering means.

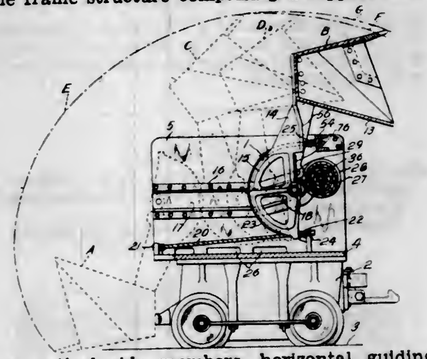
2,268,570

MATERIAL LOADING APPARATUS

Robert C. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application March 19, 1940, Serial No. 324,826
27 Claims. (Cl. 214—132)

1. In a material loading apparatus, the combination comprising a loading member, a pivoted frame structure for supporting said loading member for swinging movement from its material receiving position to its material discharging position and vice versa, said swingable frame structure having a moving point of rolling support disposed upwardly a substantial distance above the bottom of said swingable frame structure, and supporting and guiding means for said swingable frame structure comprising a support having vertical side members, horizontal guiding means secured to said side members in elevated position a substantial distance above the bottom of said support and along which said moving point of rolling support is guided during swinging of said frame structure as aforesaid, said guiding means having near its rearward extremity means for effecting a change in path of said point of rolling support to effect elevation of the latter, thereby to elevate said loading member as it approaches its material discharging position.

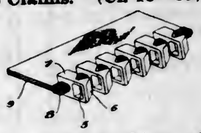


2,268,571

SEPARABLE FASTENER

George H. C. Corner, Sutton Coldfield, England, assignor to Talon, Inc., a corporation of Pennsylvania

Application November 16, 1938, Serial No. 240,776
In Great Britain November 18, 1937
6 Claims. (Cl. 18—59)



2. The process of making slide fastener stringers of the class described comprising forming fastener members of casein in an uncured or partly cured state, placing them on a tape stringer and subsequently completely curing the casein material to secure the members firmly to the stringer by contraction during curing.

2,268,572

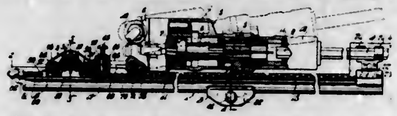
ROCK DRILL

John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 5, 1938, Serial No. 206,193
8 Claims. (Cl. 255—45)

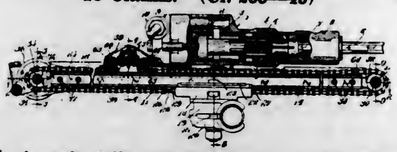
1. In a drilling apparatus, the combination with a support, of a motor slidable on the support and having jars imparted thereto, and a recoil resisting mechanism for said motor including a sprocket wheel rotatably carried by the motor and a chain carried by the support and held against longitudinal movement relative thereto,

said chain passing partly around said sprocket wheel in operative engagement therewith, stop means for preventing the rotation of said sprocket wheel in one direction to enable a step by step



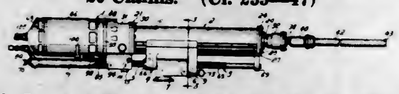
longitudinal movement of the motor in one direction, and means carried by the motor and engaging the chain for guiding the latter partly around said sprocket wheel.

2,268,573
ROCK DRILL
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 6, 1938, Serial No. 206,410
18 Claims. (Cl. 255—45)



1. A rock drill comprising, in combination, a hammer motor for percussively actuating a drill steel, a guide along which said motor is longitudinally movable, a support on which said guide is guided for longitudinal adjustment into different guiding positions relative thereto, means operated by said motor for automatically feeding said motor along said guide, means operated by said motor for automatically adjusting said guide relative to said support, and means operable at will for selectively rendering said motor-feeding means and said guide-adjusting means effective.

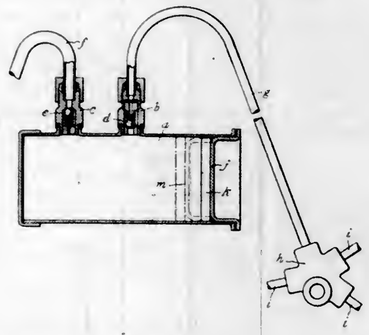
2,268,574
DRILLING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 3, 1940, Serial No. 350,438
20 Claims. (Cl. 255—47)



1. In a drilling apparatus, the combination comprising a rearwardly located motor, fluid actuated feeding means including relatively reciprocable feed cylinder and piston elements coaxial with said motor in advance of the latter, and driving connections between the front end of said motor and a drill bit to be fed including telescopic driving elements extending centrally forwardly through said cylinder and piston elements.

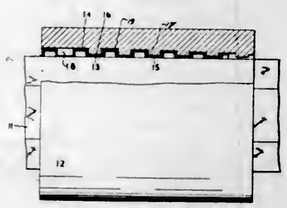
2,268,575
LUBRICATION
Percy Douglas, Birmingham, England, assignor to Auto Research Corporation, a corporation of Delaware
Application June 7, 1938, Serial No. 212,227
In Great Britain June 15, 1937
1 Claim. (Cl. 184—6)

A centralized lubricating installation for installation upon mechanically propelled vehicles provided with engine exhaust manifolds and water jacket systems and also upon other mechanisms having parts of elevated temperature, said installation comprising a central source of lubricant pressure and supply mounted in heat exchange relationship with respect to said part of elevated temperature, said source including a cylindrical closed vessel, the axis of which is positioned horizontally filled with lubricating oil of adjustable capacity, the vessel being provided at one end with a replaceable cup shaped screw cap



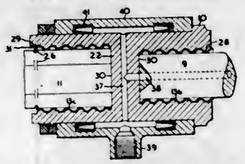
for controlling the capacity of the vessel, said screw cap constituting a telescopic part, and the bottom of said cup being designed to be positioned substantially inside of the vessel to form an end for said vessel, and a disk resting against the bottom of said cup and tightly fitting within said vessel, and said vessel being provided with oil inlet and outlet connections, each having a non-return valve, the inlet and outlet connections being connected to the part of the vessel which is highest when in use, and a branched distributing tubing system connected to said outlet connection.

2,268,576
SCREW TYPE CONNECTION FOR CONNECTING STEM MEMBERS AND BORED MEMBERS
George Drewett, Johannesburg, Transvaal, Union of South Africa
Application January 9, 1939, Serial No. 250,052
In Great Britain September 17, 1938
6 Claims. (Cl. 287—52)



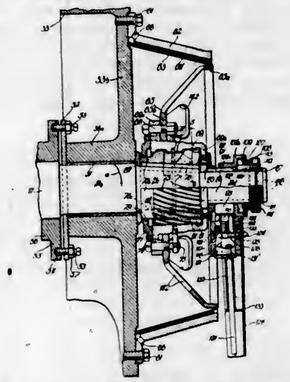
4. The combination consisting of a rigid non-screw-threaded stem member, and a sleeve of thin metal providing an external hollow helical rib shaped out of the thin sleeve metal, said sleeve being fixed on the stem by being molecularly deformed beyond its elastic limit to make binding frictional engagement therewith.

2,268,577
CONSTRUCTION OF EXTERNALLY SCREW-THREADED MEMBERS
George Drewett, Johannesburg, Transvaal, Union of South Africa
Application March 25, 1939, Serial No. 264,275
4 Claims. (Cl. 287—125)



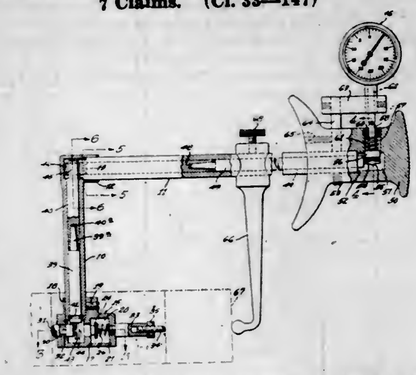
1. An externally screw-threaded member comprising a rigid metal non-screw-threaded stem and a circumferentially complete sleeve of thin metal formed with local slitting increasing its flexibility and providing an external hollow screw-thread shaped out of the thin sleeve metal, said sleeve being expanded circumferentially onto the stem by relative pressing of the latter into it to effect binding frictional engagement between them whereby the sleeve is fixed to the stem.

2,268,578
CONE CLUTCH FOR PUNCH PRESSES
Clarence M. Eason, Waukesha, Wis.
Application January 19, 1938, Serial No. 185,679
24 Claims. (Cl. 192—24)



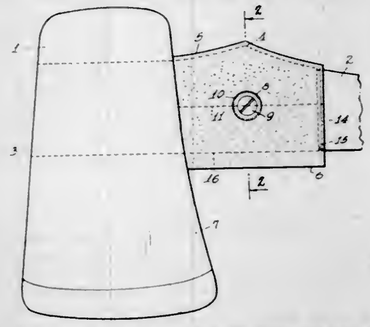
1. In a cone clutch for a press of the class described wherein the clutch is mounted on the crank shaft of the press, the combination of driving and driven cone clutch elements, servo mechanism comprising coacting inner and outer helically splined members interposed between the driven element of the clutch and said crank shaft, the helical splines of said members being inclined at less than a forty-five degree angle to the axis of the clutch so as to facilitate axial release of said servo mechanism, spring means for effecting initial engagement of said clutch, said spring means transmitting its thrust in a direction axially of the clutch to avoid imposing spring torque on either of said clutch elements, said servo mechanism acting after the initial engagement of the clutch by said spring means to cause a higher pressure of engagement of the clutch under the impact torque of the press, said servo mechanism being axially releasable under all operating conditions, and cam and roller latch mechanism for controlling the engaging and releasing of the clutch.

2,268,579
GAUGE
Andrew Eisele, Detroit, Mich.
Application February 14, 1940, Serial No. 318,791
7 Claims. (Cl. 33—147)



1. An internal caliper gauge for testing the accuracy of a bore comprising, a substantially right angle hollow support, an indicator mounted on said support adjacent one end thereof, a rotatable rod in one portion of said right angle support and at one end thereof having a flattened end portion providing cam means for actuating said indicator, a follower member operatively connecting said flattened portion and said indicator, a second rod rotatably mounted in the other portion of said right angle support, said second-named rod having a flattened end portion engageable with a flattened portion on the other end of said first-named rod for rotating the same, and movable feeler member mounted on said support adjacent the other end thereof and engageable with a flattened portion of the other end of said second-named rod for rotating said second-named rod.

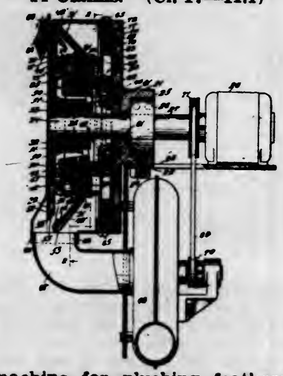
2,268,580
AX HANDLE PROTECTOR
Zara H. Ettelson, Melbourne, Victoria, Australia
Application January 8, 1940, Serial No. 312,979
3 Claims. (Cl. 306—37)



1. An ax handle protector comprising a resilient sleeve having a slit extending lengthwise thereof, whereby the sleeve may be wrapped around an ax handle or the like, and means for securing the mating edges of the sleeve together, the sleeve having a washer fixed thereto in the side opposite the slit, the washer having an aperture therein extending to the interior of the

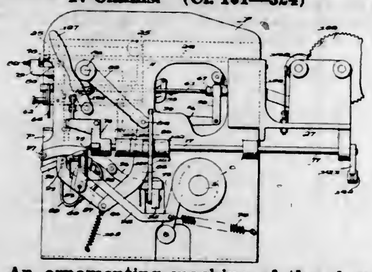
sleeve, whereby a screw may be introduced through the aperture and anchored in the ax handle.

2,268,581
POULTRY PLUCKING MACHINE
Foster Fisher, Providence, R. I., assignor to James M. Stockett, Providence, R. I.
Application January 10, 1938, Serial No. 184,181
14 Claims. (Cl. 17—11.1)



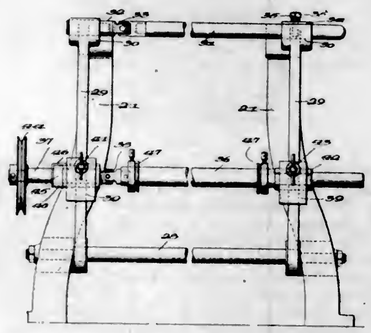
7. A machine for plucking feathers from a fowl comprising a pair of slidably mounted plucking members provided at their outer portion with inclined resilient surfaces adapted to grip and release feathers from a fowl, means engaging and relatively moving one of said plucking members into feather gripping relationship with the other member and then moving both of said members in unison to pluck the gripped feathers from the fowl, and means independent of the first means for returning one of said plucking members to its initial position.

2,268,582
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Application June 5, 1936, Serial No. 83,796
17 Claims. (Cl. 101—324)



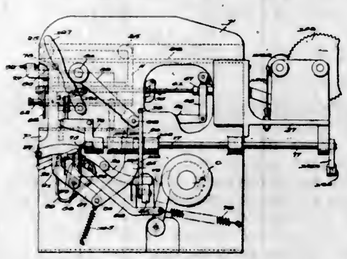
1. An ornamenting machine of the class described comprising a work support, an ornamenting die effective to place a marking medium on a work piece on said support, means to effect an alignment between said die and the work piece, means to produce a relative movement between said die and work support to effect an ornamenting operation on the work piece, means to apply the marking medium to said die, means to vary the degree of contact between said die and applying means whereby to ensure application of the proper amount of marking medium to said die, and adjustable control means extending from said varying means to a point adjacent the operator's station.

2,268,583
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Original application June 5, 1936, Serial No. 83,796. Divided and this application April 11, 1940, Serial No. 329,199
20 Claims. (Cl. 101—316)



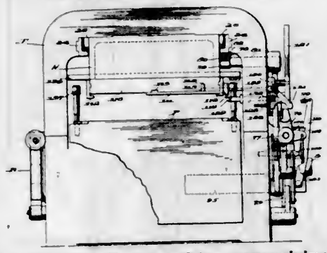
1. In an ornamenting machine having a die, a pressure member opposed to said die, and means to produce a relative movement of said member and die toward and from each other, for an ornamenting operation, the combination with means to hold and unwind a roll of backing material for the die, means to feed said material intermittently between said die and member, thereby constantly presenting a fresh surface of the material to the die, means to rewind said material into a roll, and means to move said holding means from its normal position of rest, to facilitate application of the roll of material thereto.

2,268,584
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Original application June 5, 1936, Serial No. 83,796. Divided and this application April 11, 1940, Serial No. 329,200
24 Claims. (Cl. 101—316)



1. In an ornamenting machine of the class described, a pressure member, a die carriage mounted for movement into and out of an aligned operating position relative to said pressure member member, means to actuate said carriage, and means to actuate said pressure member through an operating stroke, control means for initiating operation of the member actuating means, comprising a cam roll on said carriage and a cam shaft having a cam positioned in the path of movement of said roll, and connections from said cam shaft to said member actuating means operable by movement of said cam shaft.

2,268,585
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Original application June 5, 1936, Serial No. 83,796. Divided and this application April 11, 1940, Serial No. 329,201
18 Claims. (Cl. 101—316)

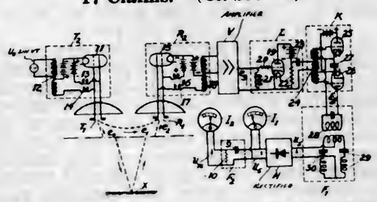


1. An ornamenting machine comprising a work support, a die holder and a die, means to detachably mount said die on said holder and lock the die in position, mechanism providing relative movement between said support and holder to effect an ornamenting operation, and means cooperative with said mounting and locking means to lock said mechanism when the die is unlocked, comprising a member slidable into the path of the die and a member actuatable by the die to control movement of said slidable member.

2,268,586
PREPARATION OF POLYAMIDES
Lucius Gilman, Arden, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 6, 1939, Serial No. 283,123
9 Claims. (Cl. 260—2)

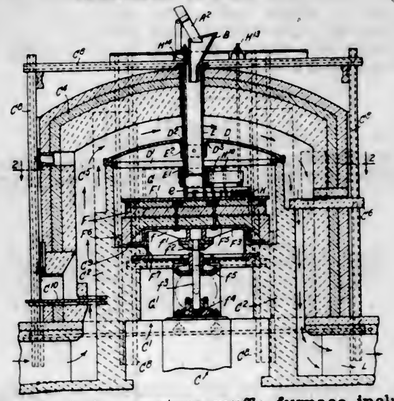
1. A process for making linear polymers which comprises heating to reaction temperature a polyamide-forming composition comprising essentially reacting material in which each molecule has two and only two reactive groups, said groups being amide-forming groups each of which is complementary to one of the amide-forming groups in other molecules, said groups being selected from the class consisting of carboxylic, isocyanate, and isothiocyanate groups.

2,268,587
DISTANCE DETERMINING SYSTEM
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York
Application March 6, 1940, Serial No. 322,459
In Switzerland March 31, 1939
17 Claims. (Cl. 250—1)



1. A system for measuring the distance between two points in space comprising means located at one of said points for generating oscillatory energy the frequency of which varies according to a predetermined non-linear periodic function with respect to time, means for transmitting a portion of the energy generated to the second point and back therefrom to the first point, means for combining the received energy with another portion of the energy generated at the first point to produce beat energy having a periodically varying frequency depending upon the distance travelled by said first energy portion to and from said second point, further means for converting the beat energy into energy having an amplitude varying according to a predetermined relation with the beat frequency variations, and means for segregating and selectively translating the amplitude of a predetermined component of said last energy.

2,268,588
FURNACE, PARTICULARLY ADAPTED FOR PRODUCING FERRIC OXIDE FROM FERROUS SULPHATE
Allen Harrison, Whiston, and Frederic Barnes Waldron, Prescot, England, assignors to Pilkington Brothers Limited, Liverpool, England, a limited-liability company of Great Britain
Original application June 1, 1939, Serial No. 276,764. Divided and this application November 30, 1939, Serial No. 306,782
15 Claims. (Cl. 263—21)



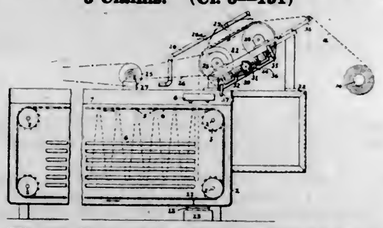
1. A high temperature muffle furnace including, in combination, a turntable with metal top on which the material to be treated is deposited, a chamber closed at the bottom by said turntable, a metal roof closing the chamber at the top, a passageway extending around the said chamber and above the said roof through which hot gases are circulated, and means for preventing access of heat from the passageway to the metal top of the turntable except by radiation from the roof of the chamber.

2,268,589
METHOD OF PRODUCING VITREOUS SILICA ARTICLES
John Allen Heany, New Haven, Conn., assignor, by direct and mesne assignments, to Heany Industrial Ceramic Corporation, Rochester, N. Y.
No Drawing. Application July 7, 1934, Serial No. 734,227
14 Claims. (Cl. 49—78.1)

1. A method of producing vitreous, translucent, non-porous silica articles of high strength and density which comprises forming and firing an article composed of a reactive, readily vitrifying, finely divided silica obtained by the decomposi-

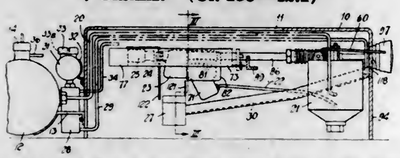
tion of gaseous silicon compounds, said firing being carried out at a temperature above 1200° C. but below the fusion point of silica.

2,268,590
TREATING TEXTILE MATERIAL TO REMOVE GUM, ETC., THEREFROM
Maurice G. Hinnekens, Paterson, N. J.
Application August 11, 1939, Serial No. 289,601
3 Claims. (Cl. 8—151)



1. The method of treating lengthy textile material which consists in advancing the same in flat state lengthwise of itself and meanwhile opposing transverse shrinkage thereof within a given zone of its path of travel and wetting the material within said zone with pre-treating liquid, and subsequently and while the material remains still wetted by such liquid wetting the same with a discharge liquid.

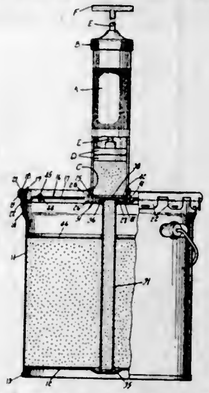
2,268,591
GASIFYING BURNER
Carl Bernhard Holm, Roslags-Nasby, Sweden
Application January 29, 1938, Serial No. 187,767
In Sweden January 30, 1937
7 Claims. (Cl. 158—42.1)



1. A gasifying burner comprising a vaporizer, a burner chamber arranged to receive gasified fuel from said vaporizer and to receive combustion air, a fuel reservoir, a conduit for connecting said vaporizer to said fuel reservoir, a control valve in said conduit, and means responsive to a certain rate of reduction of pressure in said vaporizer for closing said control valve.

2,268,592
DISPENSING CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1940, Serial No. 325,264
5 Claims. (Cl. 221—47.5)

1. A dispensing container adapted to temporarily receive a piston type lubricating grease gun for filling, which comprises a body member, a cover member secured thereto, a centrally apertured cup shaped nozzle secured to said cover and projecting outwardly therefrom, said nozzle having an upstanding threaded wall section adapted to receive and hold the threaded end of a gun type lubricator for filling from the contents of the container, a filling tube supported by and depending from said nozzle and extending down into the interior of said body member for directing the contents of the container into the gun, a flat disc valve member housed for free-vertical floating movement within said nozzle and seating on the outer end of said filling tube for sealing the latter against the entrance of air thereinto when the gun is detached from the nozzle, and an annular gasket seated within said nozzle above said valve disc and engageable therewith to limit vertical movement of the valve to open position.

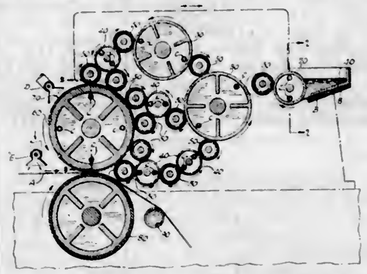


2,268,593
QUICK-SETTING PRINTING INK
Walter Huber, Locust, N. J., assignor to J. M. Huber, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application August 30, 1937, Serial No. 161,579
11 Claims. (Cl. 106—28)

3. A normally solid printing ink for the commercial printing of publications, containers and other literature, which melts at a temperature above 50° C. and at elevated temperatures substantially above its melting point possesses a fluid consistency suitable for such printing by means of a suitably heated printing machine, said ink comprising coloring pigment incorporated in a normally hard thermo-fluid solid and being free from solvents volatile at said elevated temperatures, said solid comprising predominantly hard thermo-plastic resin with most of the remainder hard waxy material.

2,268,594
PROCESS OF LETTERPRESS PRINTING
Walter Huber, Mount Kisco, N. Y., assignor to J. M. Huber Inc., New York, N. Y., a corporation of New Jersey
Application August 3, 1939, Serial No. 288,113
18 Claims. (Cl. 101—426)

1. The process of producing smudge-resistant printed publications and other printed matter by letter-press printing which comprises providing a printing ink which is solid at normal temperatures, which melts to a liquid in a range of temperatures above normal temperatures and which possesses a fluidity, cohesiveness and tackiness suitable for such printing at elevated temperatures substantially above said melting range, heating and melting said ink, heating relief printing surfaces to temperatures above said range, applying said molten ink to said heated printing surfaces in thin films, supplying to said printing surfaces relatively cold stock having sufficient heat absorbing capacity substantially instantaneously to set said molten ink films when printed thereon, and printing said thin ink films at said elevated temperatures from said printing

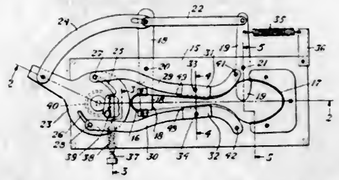


surfaces onto said stock, thereby substantially instantaneously abstracting heat from said thin printed films into the stock and rapidly freezing the printed films in adherence to and substantially entirely on the surface of the stock.

2,268,595
PRINTING INK
Walter Huber, Mount Kisco, N. Y., Frank G. Breyer, Wilton, Conn., and Lothian M. Burgess, St. Albans, N. Y., assignors to J. M. Huber Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application September 20, 1939, Serial No. 295,752
19 Claims. (Cl. 106—30)

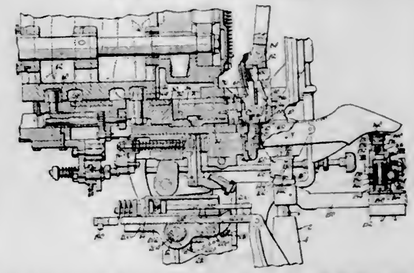
1. A printing ink for book-, newspaper-, magazine- or similar commercial printing consisting of printing ink coloring material incorporated in a solid thermo-fluid vehicle more than 50% by weight of which consists of hard thermoplastic resin and the remainder of which includes a substantial proportion of organic plasticizing material having a liquefying effect on said resin when the ink is molten, said ink being solid, rigid and smudge-resistant at ordinary temperatures, melting when heated, having a fluid consistency suitable for printing at elevated temperatures substantially above its melting temperature, and being stable against volatilization and chemical change in use at said elevated temperatures.

2,268,596
DISPENSING APPARATUS
Henry Jerum, New York, N. Y.
Application May 18, 1940, Serial No. 335,922
15 Claims. (Cl. 312—70)



1. Dispensing apparatus for flatware such as knives, forks, spoons, etc., comprising a pair of supports for said flatware, two members for gripping said flatware at its opposite edges, resilient means for applying said gripping members to said opposite edges of said flatware, and means for removing said supports from said flatware after the gripping means has been applied to said flatware.

2,268,597
SHOE MACHINE
Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 27, 1940, Serial No. 342,680
36 Claims. (Cl. 12—4)



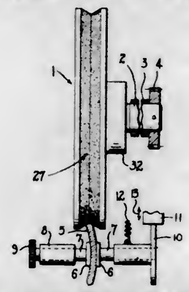
1. In a lasting machine, wipers for wiping the margin of an upper inwardly over the bottom of a last around an end of the last, said wipers comprising a central wiper movable lengthwise of the last and other wipers movable bodily lengthwise of the last with said central wiper and movable also widthwise of the last relatively to the central wiper, and means for varying relatively the position of the central wiper and the position of said other wipers heightwise of the last.

2,268,598
LIFTING AND/OR HOLDING DEVICE
David L. Kellems, Westport, Conn., assignor to Kellems Company, New York, N. Y., a partnership consisting of Vivien Kellems and David L. Kellems
Application July 15, 1940, Serial No. 345,468
In Great Britain June 20, 1940
26 Claims. (Cl. 294—86)



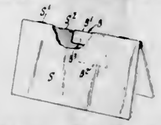
20. The combination of an expansible and contractile unit composed of a plurality of strands arranged about a common axis, means supporting one end of said unit, means connected to the other end of said unit adapted to resist changes in the cross-sectional dimensions of such and of the unit and formed to permit the insertion of an object into the same, and means connected to said second-mentioned means and operable through the latter to vary the distance between said first and second-mentioned means.

2,268,599
ABRADING TOOL
Fay D. Kinney and Lloyd W. Goddu, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 22, 1938, Serial No. 203,578
2 Claims. (Cl. 51—206)



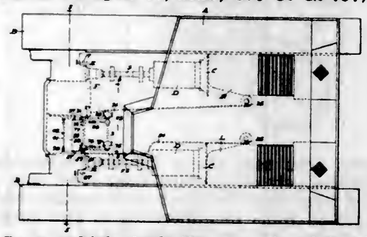
1. An abrading tool comprising an annular portion of a width greater than its thickness formed essentially of sintered metallic particles having a V-shaped groove in the peripheral surface thereof and having opposed inner shouldered edge portions, said peripheral surface having only the V-shaped groove therein impregnated with particles of abrasive intermingled with the metallic particles adjacent said bevelled surfaces and secured therein by the sintered relation of said metallic particles, a pair of disc-like members each having a peripheral shouldered portion interfitted with the shouldered edge portions of the annular member, one of said disc-like members having a recess therein and the other a protrusion on one side thereof interfitting in said recess and a protrusion on the opposed side thereof with a tapered bore and means for securing said disc-like members together with the shouldered peripheral portions thereof clampingly engaging the shouldered edges of said annular portion, said disc-like members being of a solid metal different than the metallic particles of the annular portion.

2,268,600
INSERT GATHERING
Paul E. Kleineberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York
Application July 25, 1940, Serial No. 347,358
25 Claims. (Cl. 270—55)



1. In insert gathering, the method of feeding, folding and depositing small blanks in predetermined gathered relation to the signatures of traveling signature groups being accumulated on a saddle; said method comprising maintaining the supply of blanks in open condition in a stack, extracting successive blanks and delivering them flatwise with continuous advance, conveying with continuous travel the succession of delivered blanks flatwise and at a gradual downslant toward the saddle in the same advancing direction as the signature group travel, and before discharge folding each blank on the run by bending it between a folder blade beneath and a grooved traveling member above, thereby to form it into an inverted V-shape for deposit astride a signature receiving section of the saddle.

2,268,601
VEHICLE
Harry A. Knox, Washington, D. C.
Application August 21, 1940, Serial No. 353,528
10 Claims. (Cl. 180—9.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

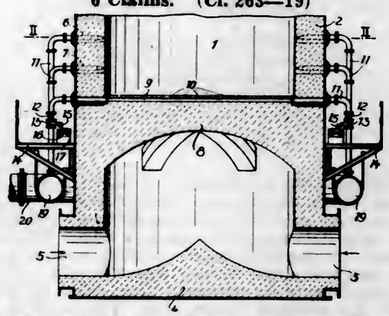


7. In a vehicle including a pair of tracks, a single controlled differential gear mechanism for both tracks, a pair of engines, and means for selectively driving the tracks either from the engines directly or through the differential gear mechanism.

2,268,602
PROCESS FOR PREPARING SEED MATERIAL FOR THE IMPROVEMENT OF BITUMINOUS SUBSTANCES OF LOW QUALITIES
Richard Lichtenstern, Vienna, Germany
No Drawing. Application May 31, 1938, Serial No. 211,024
11 Claims. (Cl. 106—273)

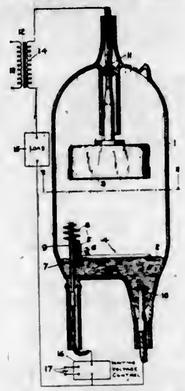
1. A process which comprises preparing a seed material for the improvement of bituminous substances of poor quality which comprises heating a bituminous substance together with a catalyst selected from the group consisting of zinc chloride, aluminium chloride and iron chloride at temperatures between about 160° C. and about 200° C., and for a time which will allow polymerisation to take place, and thereafter adding the seed material so produced to a larger bulk of bituminous substance to be improved.

2,268,603
REGENERATIVE GAS HEATER
Willy Linder, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 5, 1940, Serial No. 327,952
In Germany April 14, 1939
6 Claims. (Cl. 263—19)



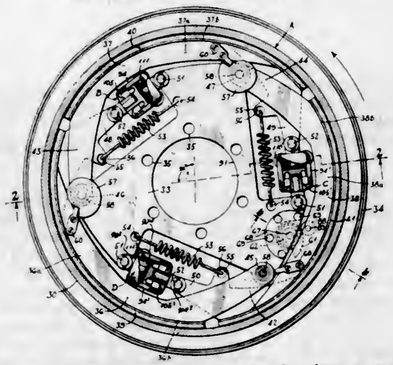
1. A combustion shaft comprising nozzle-like openings in the walls of the combustion shaft for introducing fuel gas thereinto, arch-like vertical partition walls arranged within the said combustion shaft below said wall openings, further fuel gas inlets for the upper side of said partition walls, air inlets arranged in the wall of the combustion shaft beneath said partition walls in such a manner, that air introduced through such openings may pass through the intermediate spaces between the partition walls up into the upper part of the combustion shaft.

2,268,604
ARC STARTING ELECTRODE
Laurence K. Marshall, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 6, 1939, Serial No. 272,202
12 Claims. (Cl. 250—27.5)



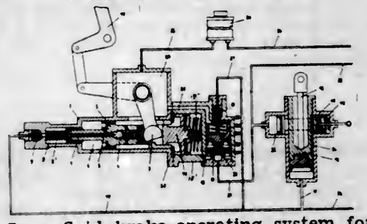
1. An arc discharge device comprising an anode, a liquid pool cathode, and an igniting element comprising a conductor insulated from said pool by an insulating wall on said conductor, said igniting element being floated on the surface of said pool with said insulating wall in contact with the surface of said pool.

2,268,605
FRICTION BRAKE
Gustav Mattersdorf, Lawrence, N. Y.
Application September 1, 1939, Serial No. 293,021
20 Claims. (Cl. 188—152)



1. An internal friction brake having a rotatable brake drum, a plurality of brake shoes therein, at least three in number, having frictional contact surfaces operating in substantially the same circumferential path, said shoes each being actuated by a liquid pressure operated motor assembly having a piston and a cylinder, at least one of said assemblies having an axis substantially removed from the horizontal and another of said assemblies having an axis substantially removed from the vertical, said assemblies each being provided with a liquid chamber formed between the piston and the cylinder and spaced separate inlet and outlet ports connected to said chamber, at least one of the ports of each assembly being always at the highest point of the liquid chamber of the assembly during all positions of the assembly upon operation of the shoes and upon wear of the frictional contact surfaces, and conduits connecting the ports of different cylinders so that the liquid will course through them from one assembly to the other.

2,268,606
RELEASE MECHANISM FOR FLUID BRAKE SYSTEMS
Erwin Mazur, Frankfort-on-the-Main, Germany
Application May 11, 1940, Serial No. 334,621
In Germany June 8, 1939
7 Claims. (Cl. 188—151)

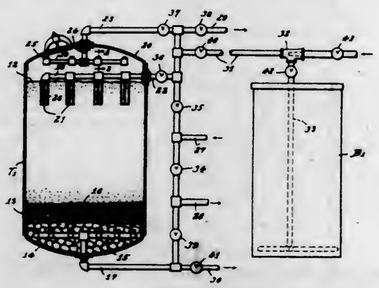


1. In a fluid brake-operating system for vehicles having brakes, a brake-applying system comprising a master cylinder having a piston, a braking motor connected with a brake-applying rod, and a conduit for transmitting pressure fluid from said master cylinder to said braking motor when the piston of the master cylinder is moved forwardly with respect to said cylinder; means for locking the braking motor against return movement to brake-releasing position; a fluid releasing system for releasing said braking motor, said releasing system comprising a cylinder having a piston adapted to be manually actuated to apply pressure in said releasing system, a releasing motor mechanically connected to said locking means, and a conduit connecting said releasing cylinder with said releasing motor; a valve in said brake-applying system, and means in said releasing system responsive to the pressure therein for opening said valve to release the pressure in the brake-applying system to release the brakes.

2,268,607
WATER CONDITIONING APPARATUS
Chester T. McGill, Elgin, Ill.
Application May 20, 1938, Serial No. 208,994
20 Claims. (Cl. 210—24)

1. Water treatment apparatus comprising in combination, a tank containing a bed of water conditioning material with a predetermined freeboard space left thereabove, a water distributing and collecting manifold in the top of the freeboard space, water distributing and collecting means in the lower part of said tank, a water collecting manifold in the upper part of said tank carrying strainer nozzles spaced below the first-

mentioned manifold, for discharging water from the tank through the second named water collecting manifold, while retaining the water conditioning material in the tank, conduits for conducting water from a source of supply to said distributing and collecting manifold, and said water distributing and collecting means, for



conducting water from said tank through said collecting manifold, for conducting water from said manifolds and distributing and collecting means to waste, and for conducting water from said distributing and collecting means to a point of use, and valve means for controlling the flow of water through said conduits.

2,268,608

LUBRICANTS

George M. McNulty and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 5, 1939, Serial No. 307,588

18 Claims. (Cl. 252—47)

1. A lubricant comprising an active halogen in a form normally corrosive to metals but capable of greatly increasing the load-carrying capacity of the lubricant and also comprising a small amount of an oil-soluble cyclo-aliphatic amine having a pKH value greater than about 7.0.

2,268,609

GLASSWARE LEHR

Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application July 8, 1939, Serial No. 283,415

12 Claims. (Cl. 49—47)



1. A glassware annealing lehr comprising an elongate ware tunnel, an openwork ware conveyor passing therethrough, means associated with the entrance end of said tunnel for supplying heated gases directly to and rapidly circulating them within the tunnel and about the ware on the conveyor, a series of independent muffles surrounding a subsequent section of said ware tunnel adapted for operation simultaneously with the circulation of heated gases as aforesaid, and means for passing cooling gases in the muffles around the said section of the ware tunnel for cooling the glassware.

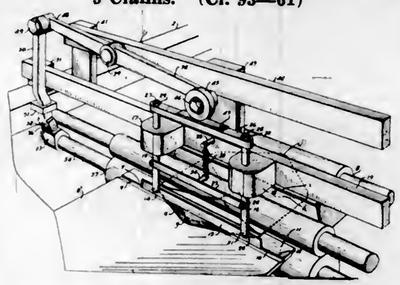
2,268,610

APPARATUS FOR PREVENTING CURL OF ENVELOPE FLAPS

Otto E. Miller, Turner, Kans., assignor to Baltimore Paper Company, Kansas City, Mo., a corporation of Missouri

Application November 28, 1938, Serial No. 242,699

5 Claims. (Cl. 93—61)



1. In an apparatus of the character described, a platen plate having a transverse groove forming a breaking edge, a pressing bar, spaced stems carrying said bar, means reciprocably mounting the stems, a cross head connecting the stems, a spring connected with the cross head for supporting the bar in one position, a roller engaging the cross head, a rocker arm supporting the roller, cam means for actuating the rocker arm to effect movement of said pressing bar in opposition to said spring, and means for advancing envelope blanks across the platen plate while they are engaged by the pressing bar.

2,268,611

PROCESS OF LAMINATING

James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 16, 1937, Serial No. 148,515

8 Claims. (Cl. 154—40)

1. The process of adhering two plies of moistureproof, non-fibrous cellulosic sheet, said sheet having a moistureproofing coating comprising essentially resin, wax and cellulose derivative material, which comprises applying polymerizable methoxyethyl methacrylate to a ply, joining the plies at the place treated with methacrylate, and thereafter polymerizing said methacrylate while it joins the two plies.

2,268,612

FOLLOW-UP DEVICE

Wolfgang Müller, Neu-Strelitz, Germany, assignor to Askania-Werke A. G., a corporation of Germany

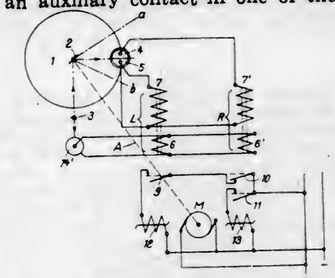
Application October 10, 1938, Serial No. 234,328

In Germany October 11, 1937

3 Claims. (Cl. 172—239)

1. Apparatus for controlling a motor, comprising means for providing a beam of radiant energy, two devices responsive to said beam for delivering electric energy in response to the activation of the devices by said beam, said devices being rotatable relative to the beam to cause it to activate one or the other device, two relays each comprising first and second electro-magnetic windings, the first windings being fed by the devices with electric energy, the second windings being fed by another source of electric energy, the first winding of each relay cooperating

with the corresponding second one for rendering it inoperative upon energization of the first winding, two motor controlling circuits for the right and left turn of the motor, each including an electric contact, each relay actuating one of said contacts for opening or closing, respectively, the control circuits in response to the energization or de-energization of the first relay windings, an auxiliary contact in one of the motor



control circuits, one of the relay-actuated contacts directly actuating said auxiliary contact for opening said auxiliary contact as soon as the contact actuating it is closed or reversed, respectively, and follow-up means operable by said motor for relatively changing the position of said device and the incidence of the beam thereon to restore the normal relation between said devices and said beam.

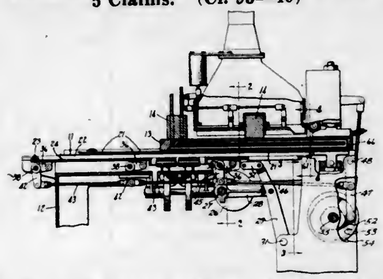
2,268,613

CAN BODY MAKING MACHINE

Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application August 22, 1940. Serial No. 353,768

5 Claims. (Cl. 93—49)



1. In a can body making machine, the combination of a forming horn having one end overhanging and unsupported for forming and supporting can bodies, feeding devices adjacent said forming horn for advancing the bodies therealong, guide rails adjacent said forming horn, and means disposed adjacent the unsupported end of the horn and engageable therewith at each feeding movement of said devices for centralizing it between said guide rails when the can bodies are advanced along the horn so that they will not be pressed against the guide rails by shifting movement of the horn.

2,268,614

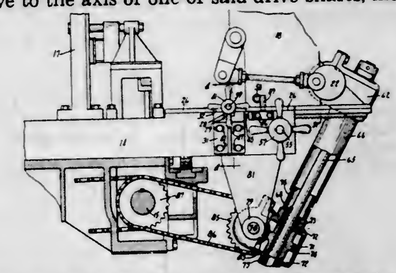
CAN END ASSEMBLING MACHINE

Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application August 22, 1940. Serial No. 353,770

8 Claims. (Cl. 93—55.1)

1. In a can end assembling machine, the combination of a frame, a support mounted on said frame for movement thereon into and out of operative position, drive shafts respectively carried by said frame and support, a floating shaft having a driving connection between said drive shafts and mounted for pivotal movement relative to the axis of one of said drive shafts, means



for moving said support on said frame into and out of operative position while maintaining said driving connection and during pivotal movement of said floating shaft, and instrumentalities for locking said support in its operative position and for unlocking the same so that it may be shifted to facilitate removal of jammed can parts when such a jam occurs in the machine.

2,268,615

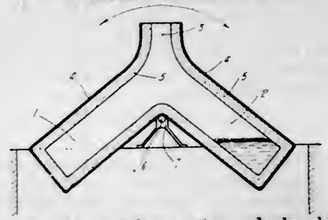
PROCESS FOR OBTAINING DEOXIDIZED COPPER

René Perrin, Paris, France, assignor to Société d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France

Application March 14, 1938, Serial No. 195,841

In France March 16, 1937

1 Claim. (Cl. 75—76)



A process for quickly and regularly obtaining copper very low in oxygen from oxidized copper by means of successive simultaneous and violent pourings of fluid copper and charcoal, characterized in that the total quota of charcoal necessary for the deoxidizing operation is introduced in successive portions in the form of charcoal pieces, the succession of the introduction of the said portions being regulated so as to correspond to the exhaustion of the action of the preceding portion.

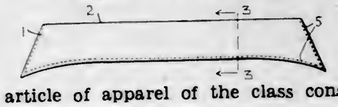
2,268,616

ARTICLE OF APPAREL

Franklin Traviss Peters, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 24, 1939, Serial No. 301,044

1 Claim. (Cl. 154—46)



An article of apparel of the class consisting

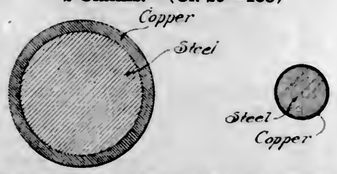
of collars, cuffs, and the like which comprises at least two cloth laminae bonded by means of an interlayer of high molecular weight interpolymer consisting essentially of the interpolymerization product of hexamethylene diammonium adipate and a substance of the class consisting of omega-aminocaproic acid and its amide-forming derivatives.

2,268,617

METHOD OF MAKING COPPER CLAD WIRE

Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan

Application November 1, 1938, Serial No. 238,277
2 Claims. (Cl. 29—188)



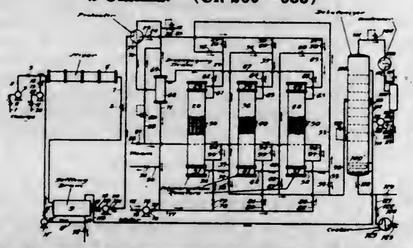
1. The method of forming a copper clad high tensile strength wire having a current-conductive copper coating thereon of great uniformity which comprises electro-coating with a thick layer of adherent copper, a high tensile strength steel wire of predetermined initial thickness greatly in excess of the predetermined final thickness desired, to produce a uniform, porous, electro-conductive, copper layer having a matte surface and having a thickness markedly in excess of the desired conducting layer, and then drawing the so-coated wire in a series of several passes through dies of progressively decreasing cross section to produce a high tensile strength steel core of the predetermined cross section, and altering in such drawing the porous matte copper to a hard, continuous, electro-conductive coating, said coating having strength and adherence characteristics sufficient to withstand acute bending without fracturing.

2,268,618

POLYMERIZATION OF HYDROCARBONS

Robert Pyzel and Clarence G. Gerhold, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 23, 1937, Serial No. 181,288
2 Claims. (Cl. 260—683)



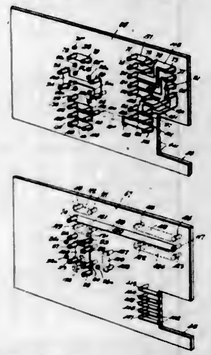
1. A process for producing octenes by cross polymerization of iso and normal butenes which comprises introducing the butenes into a polymerizing zone containing solid phosphoric acid catalyst, initiating the polymerization reaction in said zone at a temperature of from about 230 to 365° F., maintaining the polymerizing zone in indirect heat exchange with a normally liquid cooling medium of substantially constant boiling point and which undergoes vaporization by heat extracted from the exothermic polymerizing reaction, the temperature within said zone being dependent upon the boiling temperature of said medium, and adjusting the last-named temperature by controlling the pressure on the boiling cooling medium to prevent the temperature in said zone from rising appreciably above 420° F., whereby to effect optimum cross polymerization of the iso and normal butenes.

2,268,619

RADIO RECEIVING APPARATUS

James R. Reid, Tampa, Fla., assignor, by direct and mesne assignments, of one-half to Joseph A. Beasley, Tampa, Fla., and one-half to John B. Brady, Washington, D. C.

Application January 8, 1938, Serial No. 184,062
8 Claims. (Cl. 250—16)



1. Radio receiving apparatus comprising in combination a substantially vertically extending main chassis, connecting means extending transversely of said chassis, certain of said connecting means terminating at opposite sides of said chassis, independent replaceable units incorporating parts of said radio receiving apparatus and terminating in detachable connectors, said detachable connectors being connectible with said transversely extending means on opposite sides of said chassis for completing an electrical circuit through all of the units constituting said radio receiving apparatus, said main chassis having a cut-out portion adjacent one end, connecting means terminating in said cut-out portion and a separable unit engageable within said cut-out portion having circuit elements thereon connected with said connecting means, said separable unit projecting beyond the opposite sides of said main chassis.

2,268,620

INSOLUBLE AMMONIA-HYDROCARBON DIHALIDE CONDENSATION PRODUCTS

George W. Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 21, 1939, Serial No. 310,441
17 Claims. (Cl. 260—2)

1. A water-insoluble, dilute acid-insoluble, dilute alkali-insoluble, organic solvent-insoluble, basic resinous reaction product substantially identical with that obtained by reacting a hydrocarbon dihalide wherein the halogens have an atomic weight greater than 35 and are attached to different, only singly bonded, aliphatic carbon

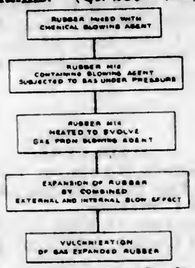
at a temperature within the range 30–90° C. with anhydrous ammonia in the presence of an amino-hydrogen free base at least until a water-insoluble, dilute acid-insoluble, dilute alkali-insoluble, organic solvent-insoluble, basic, resinous reaction product is obtained and isolating said resinous reaction product, the ammonia and total base being employed in amount such that there is at least one-fourth molecular proportion of ammonia and a chemical equivalent of total base for each atomic proportion of halogen in the dihalide.

2,268,621

GASSING RUBBER BY A COMBINATION OF EXTERNAL AND INTERNAL GASES

Dudley Roberts, New York, N. Y., and Lester Cooper, Monson, Mass., assignors to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application September 21, 1937, Serial No. 164,868
4 Claims. (Cl. 260—724)



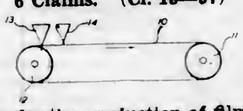
1. A method of making closed cell gas expanded rubber which comprises forming a rubber mix containing a chemical blowing agent; subjecting said rubber mix to gas under pressure of the order of 1000 pounds per square inch to gas impregnate the rubber throughout its mass; concurrently heating the rubber mix to evolve gas from the chemical blowing agent contained therein and to partially vulcanize the rubber to give the rubber sufficient consistency so as to retain the gas within the rubber in the form of closed cells; releasing the gas pressure externally applied and vulcanizing the closed cell gas expanded in timed relation to the gassing of the rubber to prevent escape of the gas rubber.

2,268,622

MANUFACTURE OF ARTIFICIAL MATERIALS

James Henry Rooney and Philip Richard Hawtin, Spondon, near Derby, and Stephen Roy Chaplin, Leicester, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application November 27, 1937, Serial No. 176,846
In Great Britain December 4, 1936
6 Claims. (Cl. 18—57)



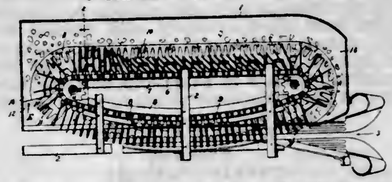
1. Process for the production of films, foils and like products by evaporating a volatile solvent from a layer of film-forming dope on a traveling support, wherein a colouring agent or other desired constituent of the product is introduced by applying a solution of said constituent free from film-forming substances to the partly dried layer of dope from supplying means kept out of contact with the surface of said partly dried layer.

2,268,623

COTTON-PICKING MACHINE

John D. Rust, Memphis, Tenn.

Application July 15, 1940, Serial No. 345,669
6 Claims. (Cl. 56—42)



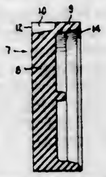
1. In a cotton picking machine having an endless conveyor of spindle carrying slats and having a plant tunnel, and spindle guards below the spindles, a trough extending from adjacent the rear end of the machine to adjacent the front end thereof and discharging into the plant tunnel, said trough being located beneath the spindle guards along the side of the machine opposite that having the tunnel.

2,268,624

PACKING CUP FOR BRAKE MECHANISM

Ernest I. Schwarz, Bronx, N. Y.

Application March 26, 1940, Serial No. 325,937
3 Claims. (Cl. 309—33)



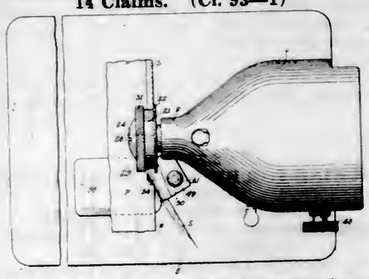
3. A packing cup for use with a piston having a plurality of bleed passages in its head, said cup abutting the head of said piston; said cup comprising a disc provided with a laterally extending peripheral flange, there being a plurality of triangular recesses formed in the face of said disc adjacent its periphery.

2,268,625

METHOD AND MEANS FOR APPLYING REINFORCING STRIP OR TAPE

Victor J. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York

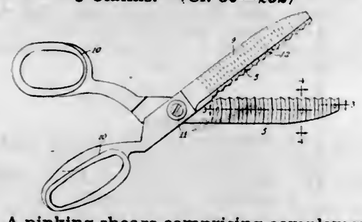
Application March 23, 1939, Serial No. 263,742
14 Claims. (Cl. 93—1)



1. The method of applying reinforcing strip to sheet material which consists in continuously moving the sheet in its own plane, guiding a reinforcing strip having a tacky surface toward the edge of the moving sheet and, first folding

said strip longitudinally with its tacky surface outwardly disposed and with said fold extending substantially to the edge of the sheet, thereafter reversely folding said strip over the edge of said sheet to dispose the tacky surfaces of the strip portions in opposed relation to the sheet, urging said sheet laterally with respect to its path of movement and in close edge contact with the internal surface of the fold bight, and finally applying pressure to said strip portions to adhesively secure the same to the faces of the sheet.

2,268,626
PINKING SHEARS
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application January 23, 1941, Serial No. 375,569
5 Claims. (Cl. 30—232)



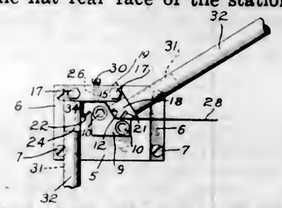
1. A pinking shears comprising complementary pivotally connected shear members each having a body portion formed from moldable composition material and including a blade portion, and a metallic cutting element of sheet metal extending longitudinally on one side of said blade portion and having integrally formed parts anchored in the composition material.

2,268,627
WELL LOGGING
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application October 6, 1939, Serial No. 298,293
10 Claims. (Cl. 73—51)

1. In a method of logging a well, the steps which comprise filling at least a portion of said well with liquid, applying to said liquid a pressure in substantial excess of the normal hydrostatic pressure, substituting for the portion of said liquid remaining in said well, while retaining substantially said excess pressure, a second liquid having at least one property substantially different from the corresponding property of said first-mentioned liquid, then reducing the pressure on said second liquid to cause said first-mentioned liquid to re-enter said well opposite said porous and permeable strata and then measuring said property at various levels in said well.

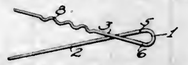
2,268,628
MACHINE FOR BENDING METAL GUTTER HANGERS
Stephen R. Siuszko, Chicago, Ill.
Application July 18, 1939, Serial No. 285,170
3 Claims. (Cl. 153—16)

1. A machine for bending sheet metal gutter hangers comprising a supporting table, a stationary shaping die mounted on the table for engagement with a metal hanger bar, said stationary shaping die having a flat rear face and a lug extending laterally from one side thereof and formed with an under-cut inner side edge face, the other side of the die being provided with a side edge face parallel to the rear face and offset therefrom by a diagonally extending edge face, a block carried by the table rearwardly of the stationary die, an adjusting screw threaded through the block for clamping a hanger bar against the flat rear face of the stationary die,



and coacting movable dies pivotally mounted on the table for pressing the metal bar in engagement with the stationary shaping die, the movable dies being pivoted to opposite ends of the block and having flat edge faces disposed parallel to confronting edge faces of the stationary dies when the movable dies are swung inwardly to a shaping position.

2,268,629
HAIR CLASP
Wallis B. Wardell, Highgrove, Calif., assignor to Hollywood Pin, Inc., Los Angeles, Calif., a corporation of California
Application June 24, 1938, Serial No. 215,562
8 Claims. (Cl. 132—50)

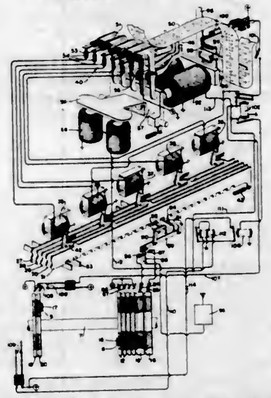


8. A hair clasp formed of spring metal bent upon itself intermediate its ends to form a loop at one end of the clasp and relatively wide spring fingers extending therefrom, the material of the loop being relatively narrow to facilitate axial twisting of the material of the loop, said fingers being so constructed and arranged with respect to each other and to the loop as to be capable of being separately turned about their longitudinal axes through 180°, thereby to be reversed with respect to each other for assuming normally either a crossed relation when in one position or lengthwise opposed contacting relation with their wide sides adjacent each other when in the other position.

2,268,630
COLOR PHOTOGRAPHY
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Wilhelm Schneider, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 6, 1938, Serial No. 183,588. In Germany January 21, 1937
3 Claims. (Cl. 95—2)

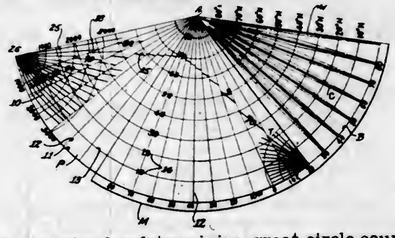
1. A process of producing photographic color pictures on multi-layer photographic material comprising a plurality of superposed silver halide emulsion layers containing dyestuff components fast to diffusion, said dyestuff components being capable of forming a dye in the places of the silver picture upon being contacted with a color forming developer, which process comprises exposing said material to light, developing the latent image thus formed with a black-and-white developer, fixing the developed picture, reconverting the formed silver into a silver salt capable of being developed by a color-forming developer which would normally yield dyestuff images having undesired color strains, redeveloping said silver salt by means of a color forming developer while compensating for such undesired color strains by using a developer having the property of shifting the color values to correct said color strains.

2,268,631
PRINTING TELEGRAPH SYSTEM AND APPARATUS
Raymond E. Zenner, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 23, 1938, Serial No. 209,523
19 Claims. (Cl. 178—4)



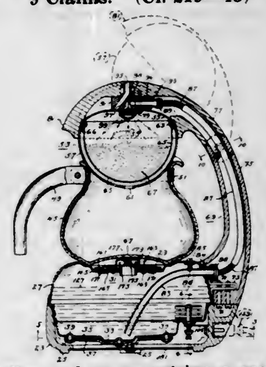
1. In a telegraph system, a transmitting element and a receiving element rotatable synchronously, record reading means for controlling signal transmission, receiver tape feeding means, means for stopping said tape feeding means automatically upon cessation of signal transmission, and means effective independently of said record reading means for inserting a start signal invariably upon the resumption of signal transmission to insure that tape feeding starts in the receiver when the transmitter is started.

2,268,632
METHOD OF PLOTTING GREAT CIRCLE COURSES AND APPARATUS
William C. Anderson, Montclair, N. J.
Application September 8, 1938, Serial No. 228,885
11 Claims. (Cl. 33—1)



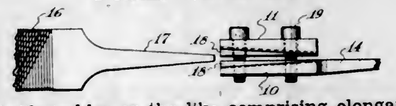
5. A device for determining great circle courses comprising, in combination, a sheet having depicted thereon a portion of the earth's surface formed as the developed surface of a cone and intersecting lines representing latitude and longitude and flaps hingedly secured along elements of the conic surface and whereof the edges are so formed as to represent true meridians of longitude when two adjacent flaps are turned away from one another in parallel relationship with the sheet, and a template of generally segmental form provided with means adapted to coincide with a latitude line of the map and with indications of longitude depicted thereon on the same scale, respectively, as the corresponding lines of longitude on the map whereby the template may be located accurately on the map with the latitude means of the template coinciding with the corresponding latitude on the map, one edge of the template comprising straight and stepped portions which enable the user to draw a broken line indicating a predetermined great circle course on said map and comprising straight portions and stepped portions connecting the adjacent straight portions whereby the broken line may be utilized as a guide to mark on the map the great circle course defined by said edge.

2,268,633
COFFEE MAKER
Leonard E. Aske, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 22, 1941, Serial No. 384,669
9 Claims. (Cl. 219—43)



1. A coffee maker comprising a sealable water container, a coffee grounds basket, a brew container, a heating means for the water container, means for controlling the energization of the heating means, a tube extending from the inside of the water container for conducting hot water therefrom to the coffee grounds container, said tube including a portion of restricted cross-sectional area and an opening in the wall of said tube inside of the water container of predetermined area relatively to the area of said restricted portion to cause cyclic variation of pressure in said water container and cyclic pumping action on the water to force successive small quantities of hot water through the tube.

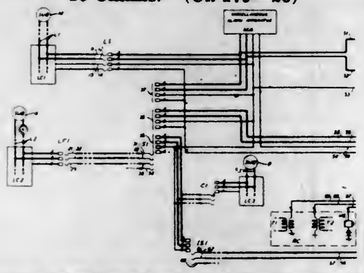
2,268,634
FILE HOLDER
Fred Bangerter, Detroit, Mich.
Application January 6, 1941, Serial No. 373,240
1 Claim. (Cl. 29—80)



A file holder or the like comprising elongated

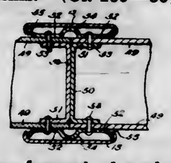
mating jaws or blocks, one of them being formed with a portion extending from an end thereof upwardly and then rearwardly again so as to provide a grip offset from but generally parallel to the long dimension of the jaws, the jaws having the lower long edges of their long mating faces cut away or rabbeted on a bias to form in the lower face of the handle a long tapered three wall groove for receiving a file tang, screws passing through the jaws laterally, that is, perpendicularly to the long dimension of the groove, between its base and the upper surfaces of the jaws, for clamping the jaws to each other, the screws being in a plane substantially parallel to the base of the groove of the handle, and having heads exposed at the side of the handle, the screws threading into tapped holes of the block provided with the grip portion and through clear holes of the other block, the sides of the groove being nonparallel, and at acute angles to the base of the groove, with the base wider than the entrance to the groove.

2,268,635
TELEPHONE SYSTEM
John Baumfalk, Clifton, and Oliver C. Hall, Radburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 344,026
10 Claims. (Cl. 179—26)



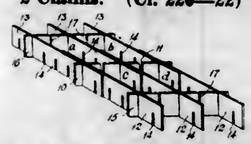
1. In a telephone system, a first central office, a second central office, a trunk between said offices, two paths of access to said trunk in said first office, an incoming group selector connected to said trunk in said second office, subscribers' lines in said offices, subscriber controlled means in said first office for seizing said trunk through either one of said paths of access as desired, and means associated with said trunk and operative only if said trunk is seized over a certain one of the two paths of access for automatically operating said incoming selector to select a predetermined one of the groups to which it has access.

2,268,636
MEANS FOR CONNECTING METAL SHEETS
Emil Becker, Munich, Germany
Application April 26, 1939, Serial No. 270,080
In Germany April 26, 1938
5 Claims. (Cl. 189—36)
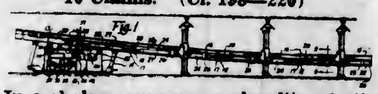


1. In a structure formed of a plurality of cellular slabs and in which each slab comprises side walls of sheet material and end walls of sheet material, means for connecting abutting slabs comprising the provision of strips of sheet material resting on and extending across and secured to the side walls of the slabs in substantially parallel relation to and in the vicinity of the end walls of the slabs, the opposed edges of said strips of sheet material being of castellated form and interlocking with each other to retain the abutting slabs against longitudinal movement relative to each other, the edges of the strips remote from the slab end walls being turned outwardly from the outer faces of the side walls to form grooves of V-shaped cross-section, a connecting strip overlying abutting slabs, and claw-like edges formed on the connecting strip and projecting into the grooves to engage the upturned edges of the strips of sheet material.

2,268,637
ADJUSTABLE PARTITION
Celia Bernstein, Brooklyn, N. Y.
Application December 20, 1940, Serial No. 370,942
2 Claims. (Cl. 220—22)



1. An adjustable partitioning device for dividing a receptacle into compartments, comprising a plurality of lateral partitioning strips adapted to be disposed on edge in parallel relation from front to back of said receptacle, each of said strips being provided with separated slits extending vertically from one edge of each strip part way therethrough, and a plurality of longitudinal partitioning strips, each strip having similarly spaced separated slits extending part way there-through from one edge thereof, said last-mentioned strips being disposed longitudinally in said receptacle with the slits in the longitudinal strips interlocking with the slits in the lateral strips, each of the longitudinal strips being substantially shorter than the length of the receptacle and each pair of longitudinal strips being disposed in overlapping face-contacting relation in the slits in at least one of the lateral strips so that the longitudinal partitions may be adjusted lengthwise to fit the receptacle.

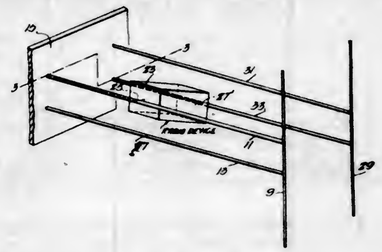
2,268,638
SHAKER CONVEYER
Roy S. Bigelow, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1939, Serial No. 307,190
10 Claims. (Cl. 198—220)



1. In a shaker conveyer, a plurality of aligned trough sections, and means for connecting said trough sections for reciprocable movement together including a flexible connecting member extending from one end of the conveyer to the other and an extensible and retractible member on an end trough section having connection with said flexible connecting member for maintaining said connecting member under tension during reciprocation of the conveyer, said flexible connecting member including a plurality of

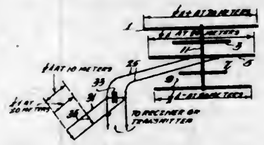
spaced apart coupling rods guided along one side of said trough sections, and flexible members connecting said coupling rods together.

2,268,639
ULTRAHIGH FREQUENCY RADIO DEVICE
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 14, 1939, Serial No. 256,268
7 Claims. (Cl. 178—44)



1. A radio system including in combination a radio device having a pair of terminals, a pair of transmission lines including four spaced conductors arranged parallel to each other and responsive in pairs to signals from a common source to establish waves of like phase on like conductors of said pairs, and means connecting said terminals respectively to points of instantaneously opposite polarity on each of said pairs of transmission lines.

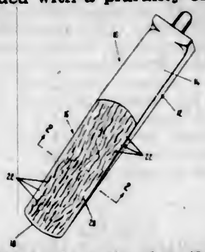
2,268,640
ROTARY BEAM ANTENNA
George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1940, Serial No. 365,743
13 Claims. (Cl. 250—11)



1. An antenna responsive to a long and a short wave including an antenna conductor, said conductor having a length effectively equal to half of the long wave and to the length of the short wave, a transmission line connected to said antenna and designed to match the antenna impedance at the long wave length, and means connected to said transmission line for matching the impedance at said short length so that said line is properly terminated for either wave.

2,268,641
REED FOR MUSICAL INSTRUMENTS
Arnold Brilhart, Great Neck, N. Y.
Application August 3, 1940, Serial No. 350,260
4 Claims. (Cl. 84—383)

1. As a new article of manufacture, a reed for the mouthpiece of musical instruments, comprising a molded member formed of plastic material and having a tapering part providing a vibratile tongue, the outer surface of said vibratile tongue being provided with a plurality of irregular nar-



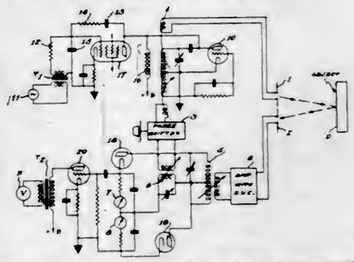
row projections of varying length and of minute depth, simulating the grain of wood.

2,268,642
COMPOSITION IN CREAM FORM ADAPTED TO REMOVE HARDENED LIQUID NAIL POLISH AND METHOD OF MAKING SAME
Horace M. Carter, New York, N. Y.
No Drawing. Application August 19, 1937
Serial No. 159,915
11 Claims. (Cl. 252—122)

1. A composition in cream form adapted to dissolve hardened liquid nail polish which comprises in intimate admixture water, a water-soluble soap and free stearic acid in greater proportion than said soap, said free stearic acid and soap constituting at least about 15% of the cream, and a solvent for nitrocellulose, said solvent being present in sufficient amount to render said cream composition capable of dissolving nitrocellulose.

10. In the manufacture of a composition in cream form adapted to remove hardened liquid nail polish, the steps comprising partly saponifying stearic acid with potassium hydroxide in the presence of water to form a mixture containing water, a potassium soap of stearic acid and free stearic acid, then dispersing a solvent for nitrocellulose in the mixture thereby reducing the mixture to a liquefied state wherein the saponified stearic acid is emulsified with water and solvent, and subsequently adding sodium hydroxide to the mixture, unsaponified stearic acid being thereafter saponified by said sodium hydroxide to stiffen the mass to cream form.

2,268,643
FREQUENCY MODULATION DISTANCE FINDER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1939, Serial No. 301,283
16 Claims. (Cl. 250—1)



1. A distance determining device including a wave transmitter, means for frequency modu-

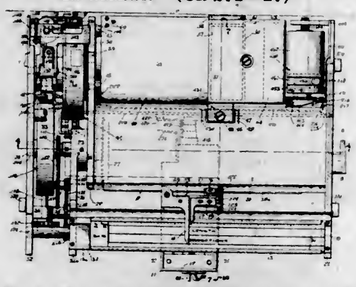
lating said wave, means for receiving said wave after reflection from an object whose distance is to be determined, means connected to said receiver for converting the received frequency modulated wave into an amplitude modulated wave means for demodulating said amplitude modulated wave, means connected to said converting means for amplifying said demodulated wave, and an indicator connected to said amplifier and responsive to the thus detected wave to indicate the distance of said object as a function of the amplitude of said demodulated wave.

2,268,644
SHOELACE LOCK DEVICE
Arthur Olaus Dahlberg, New York, N. Y.
Application February 26, 1940, Serial No. 320,757
5 Claims. (Cl. 24—117)



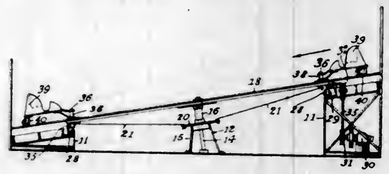
1. A shoelace lock device constituted of rubber-like elastic material comprising a base portion adapted to be attached to the tongue of a shoe between the two top eyelets, and a pair of lace-gripping jaws extending from said base portion substantially normally to the plane of said tongue, said jaws being constructed and arranged to form a channel extending in the direction of the line connecting said top eyelets and constricting towards said base portion whereby the lower portions of said jaws will frictionally grip the crossed portions of the lace and the upper portions of said jaws will frictionally grip the knotted portions of the lace during and after the normal process of tying a knot.

2,268,645
PHONOGRAPH
Charles W. Dann, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 25, 1938, Serial No. 215,754
32 Claims. (Cl. 274—17)



19. In a phonograph including a record support, a translating device including record-engageable recording and reproducing styli, and means for relatively moving the supported record and the translating device: the combination of a start-and-stop control for said moving means; control means for said styli normally effective thereon, movable at least to recordation and reproduction positions to place a corresponding one of said styli in record-engaging position; a movable control member; means, rendered effective by said control member, for positively placing said control means in a predetermined one of its said recordation and reproduction positions and rendering the same ineffective on said styli; and means, rendered effective by said start-and-stop control in a starting operation thereof subsequent to the operation of said last-recited means, for rendering said control means again effective on said styli.

2,268,646
AMUSEMENT DEVICE
John D'Errico, Brooklyn, N. Y.
Application February 18, 1941, Serial No. 379,451
5 Claims. (Cl. 272—37)



1. An amusement device comprising a pair of inclined platforms having adjacent flush curved edges; means for moving one platform to cause relative movement at and along said edges; a pivot means mounted on the marginal portion of the movable platform; a car pivoted eccentrically to the pivot means; and supporting means under a portion of the car remote from the pivot means and movably frictionally engageable with the platforms for supporting the car when it revolves around the pivot means, whereby change of direction of the resultant of the centrifugal force, caused by the movement of the movable platform, and the frictional forces of the supporting means, relative to the angle of the lateral gravity component on the car determined by the inclination of the platforms, will cooperate with said component to give a variety of movements to said cars.

2,268,647
COMPOSITION AND PROCESS FOR THE TREATMENT OF SEWAGE AND WASTE MATERIAL AND SLUDGES THEREFROM
Paul F. Dilles, Alphonse F. Dilles, and Frank A. Dilles, New York, N. Y., assignors, by mesne assignments, to Paul F. Dilles
No Drawing. Application December 8, 1939, Serial No. 308,134
6 Claims. (Cl. 210—2)

1. A composition for purifying liquid sewage and industrial waste-water by the precipitation of impurities from the liquid to be purified, said composition consisting of about 4% of mercurous oxide, about 11% of potassium dichromate, and about 8½% of zinc oxide in mixture with water-soluble alkaline salts.

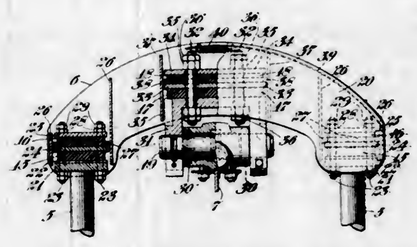
2,268,648
TREATMENT OF ARTIFICIAL FILAMENTS, YARNS, AND OTHER MATERIALS MADE OF CELLULOSE DERIVATIVES
Henry Dreyfus, London, England
No Drawing. Application October 3, 1939, Serial No. 297,678. In Great Britain October 8, 1938
2 Claims. (Cl. 8—129)

1. Process for the treatment of artificial filaments, foils and similar materials containing an organic derivative of cellulose, comprising reacting them with carbonyl chloride at a temperature 120 to 140° C.

2,268,649
MANUFACTURE OF ARTIFICIAL FILAMENTS, YARNS, FOILS, AND SIMILAR MATERIALS, MADE OF CELLULOSE OR CELLULOSE DERIVATIVES
Henry Dreyfus, London, England
No Drawing. Application October 3, 1939, Serial No. 297,681. In Great Britain October 24, 1938
11 Claims. (Cl. 8—120)

1. Process for the treatment of yarns, foils and similar articles made of cellulosic material, which comprises esterifying them in a medium which is a non-solvent for the articles and which comprises the anhydride of a polycarboxylic acid and a compound having the formula $CXCl_2$, where X represents an atom selected from the froup consisting of oxygen and sulphur.

2,268,650
EQUALIZER FOR TWIN-CRANK PUMPING UNITS
John F. Eaton, Tulsa, Okla., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 26, 1940, Serial No. 347,656
11 Claims. (Cl. 74—41)

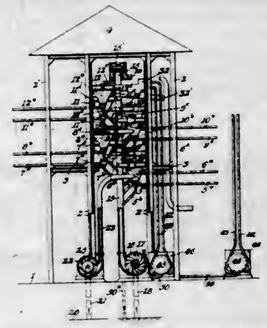


1. The combination with a twin crank pumping unit for oil well or the like, comprising a base, a Samson post, a walking-beam bearing mounted on said post, a walking-beam mounted for oscillatory motion in said bearing, a tail bearing mounted on said walking-beam, a trunnion support thereon, an equalizer bar pivotally mounted centrally on said walking-beam, a crankshaft, a crank secured to each end of said crankshaft, and a pitman connecting each crank with one end of the equalizer bar, of a non-metallic resilient connection between each pitman and each of the equalizer bar, and a non-metallic resilient connection between the trunnion support and the central point of equalizer bar.

2,268,651
ADHESIVE LACQUER
John Eggert, Leipzig, and Bruno Wendt and Adolf Jung, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 24, 1938, Serial No. 209,722. In Germany June 5, 1937
1 Claim. (Cl. 260—17)

An adhesive lacquer comprising an organic solution of a cellulosic film-forming substance, a resinous elastic plastic polyvinyl ester and a substance which is at least swellable in water and soluble in organic solvents, selected from the class consisting of mixed polymers from polyvinyl esters and maleic acid anhydride and mixed polymers of polyvinyl ethers and maleic acid anhydride.

2,268,652
MEANS FOR SEPARATING PARTICLES OF SOLID MATERIAL BY FLOTATION
Russell Scott Ellis, Vineland, N. J.
Application April 19, 1939, Serial No. 268,667
9 Claims. (Cl. 209—211)



1. In means for separating particles of solid material by flotation, the combination with a series of vertical conical separator casings disposed at different levels, in an ascending series, each having a tangential inlet at the lower portion thereof and a tangential discharge outlet at the upper portion thereof, the discharge outlet of the lowest casing being connected with the inlet of the next higher casing, and so on in the series; of means for supplying the material to be separated, in flotation fluid, to the lowest casing in the series, and thence to the other casings in the series through the respective outlets and inlets thereof, including a first pump; a vertical conduit column, exterior to said casings, but having branches respectively extending axially through said casings and connected with said column at both the lower and upper ends of said branches; means for maintaining said column charged with flotation fluid, free from solid material, including a second pump in communication with the lower end of said column; and means for automatically variably controlling the centrifugal force of the fluid tangentially injected into said casings from said first pump, and the levitating effect of the fluid delivered into said casings from said second pump, by variations in the speed of operation of each of said pumps, respectively in accordance with variations in the viscosity of the fluid discharged through two variably restricted outlets, respectively from the uppermost casing, and from the top of said column, and thereby increasing the speed of operation of said pumps and consequent kinetic pressure upon said fluid in accordance with increase in viscosity of the fluid, and vice versa, including two pump control casings one in communication with the tangential discharge outlet from the uppermost conical separating casing, arranged to receive fluid from said outlet, and the other in communication with the top of said column, a restricted orifice at the bottom of each of said control casings, respectively determining the rate of the flow of fluid from said casings, in accordance with the variable viscosity of the fluid from the tangential discharge and in accordance with the variable volume of fluid discharged from the top of the column; two elements respectively subjected to the action of the fluid in said control casings and movable up and down therein in accordance with the respective temporary level of the fluid in said casings; valve means respectively in controlling relation with

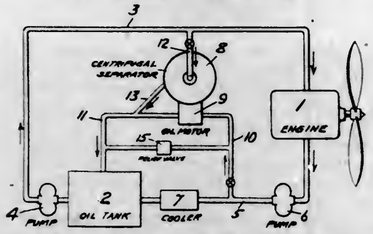
the speed of operation of said first and second pumps and respectively operatively connected with said movable elements and arranged to be opened and closed in accordance with the vertical movements of said elements by the fluid in the respective control casings; whereby the rate of operation of each of said pumps is automatically varied in accordance with the variation in viscosity of the fluid from the tangential discharge and in accordance with the variable volume of fluid discharged from the top of the column during its operation.

2,268,653

APPARATUS AND PROCESS FOR PURIFYING AIRPLANE ENGINE OIL

Alan E. Flowers, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application September 18, 1940, Serial No. 357,219
11 Claims. (Cl. 184—6)



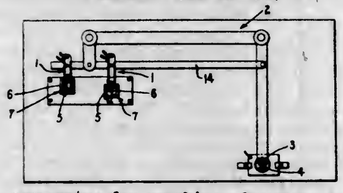
1. The combination with an airplane engine and a lubricating oil circulation system comprising an oil tank and conduits through which oil is forced from the tank to the engine and from the engine to the tank, of oil purifying means comprising a centrifugal purifier and an oil driven motor adapted to drive the purifier, means to pass through the motor oil flowing as aforesaid from the engine to the tank to thereby drive the motor and purifier, and means to by-pass through the interior of the purifier a part of the oil flowing from the tank toward the engine.

2,268,654

MEANS FOR MARKING LENSES AND SIMILAR ARTICLES

Lloyd W. Goddu, Southbridge, and Ian C. Crawford, Belmont, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 20, 1939, Serial No. 280,144
1 Claim. (Cl. 33—25)



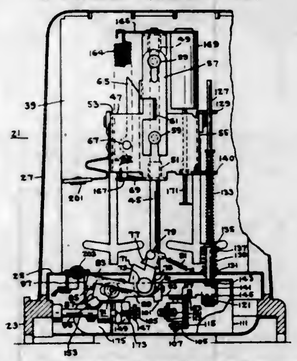
An apparatus for marking glassware comprising means for supporting said glassware, means for supporting a marking tool for movement into engagement with said glassware, means for guiding said tool and glassware in a controlled path relative to each other, said marking tool supporting means comprising in part a flexible arm having a portion responsive to magnetic force with the marking tool supported adjacent one end thereof and an electromagnet on said support so arranged as to direct its magnetic force on said portion of said arm responsive to said magnetic force so as to produce a vibratory movement of said tool in a direction transversely of the longitudinal axis of the marking tool whereby said tool will vibrate in said direction, means for controlling the extent of said vibratory movement of said tool so as to produce a controlled band width with a plurality of adjacent markings within the limits of said band width, means for electrically energizing said electromagnet for generating said vibratory movements of the tool, means on said guide means at a given point along said controlled path for deenergizing said electromagnet with said means having dimensional characteristics such that upon further movement of the tool in said controlled path said electromagnet will again be energized, said support and associated parts thereof being pivotally connected with a carrying member so as to permit movement of the marking tool into and out of engagement of glassware to be marked and weight means on said support adjustable to a position whereby the markings resulting from said vibratory movement of the tool on the glassware will be of a superficial nature.

2,268,655

VOLTAGE CONTROLLED THERMAL TIMER

John R. Gomersall, Minneapolis, Minn., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application August 7, 1940, Serial No. 351,673
8 Claims. (Cl. 219—19)



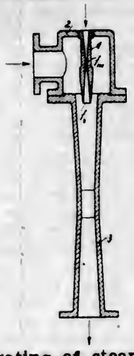
1. In an automatic electric toaster comprising electric toast heating elements, a bread carrier movable into toasting and non-toasting positions relatively to the toast heating elements and normally yieldingly biased to non-toasting position, means to move the bread carrier to toasting position, latch means to hold the bread carrier in toasting position and means to cause release of said latch after a toasting operation, said latch release means including a variable-duration thermal timing means including a thermally-actuable element adapted to be heated up and then cooled off during a toasting operation, means in said timing means for varying the duration of the heat-up portion of the cycle to vary the duration of a toasting operation and electromagnetic means subject to the voltage applied to the toast heating elements to reduce the duration of the heat-up portion of the cycle of the thermal timing means and also reduce the duration of a toasting operation with increase in the voltage applied to the toast heating elements.

2,268,656

STEAM JET EJECTOR

Alfred Haltmeier, Bergisch-Gladbach, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application March 30, 1940, Serial No. 327,061
In Germany May 31, 1938
1 Claim. (Cl. 230—95)



In the operating of steam jet ejectors comprising a steam nozzle and a suction chamber, the improvement which comprises using a steam nozzle having an outlet cross section area f_s corresponding to the following formula:

$$f_s = \frac{1}{n} \cdot 7.85 f_m \sqrt{\frac{p_1}{v_1} \cdot \frac{T_s x_s}{p_s \sqrt{i_1 - i_s}}}$$

wherein

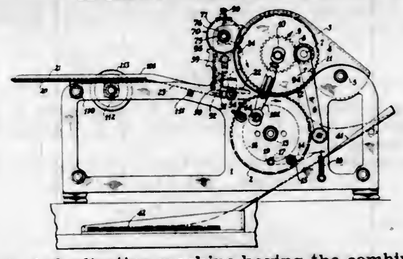
f_s is the cross section area of the outlet of the nozzle (mm.²);
f_m is the cross section area at the narrowest point of the nozzle (mm.²);
p_1 is the pressure (kg./cm.²);
v_1 is the specific volume (m.³/kg.);
i_1 is the enthalpy (Kcal./kg.);
of the steam before it enters the nozzle
p_s is the pressure (mm. Hg.) in the suction chamber;
T_s is the temperature (absolute);
i_s is the enthalpy (Kcal./kg.)
x_s is the specific steam content
of the steam would have if it would adiabatically expand in the nozzle to the pressure p_s.
n is a number ≤ 2.

2,268,657

DUPLICATING MACHINE

Harry Hermann, New York, N. Y.

Application March 16, 1940, Serial No. 324,291
31 Claims. (Cl. 101—132.5)



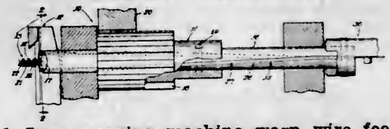
1. A duplicating machine having the combination of an upper rotatable cylinder for carrying a master leaf, a table in front of said cylinder for thereupon directing sheets under the cylinder a lower rotatable cylinder for pressing said sheets against said master leaf, said table having thereon a fixed lateral guide for said sheets to insure permanence of position of said guide relatively to said table, said table being shiftable laterally relatively to said cylinders to effect the lateral setting of said guide relatively to said cylinders, and means to maintain said table in shifted position.

2,268,658

QUILL WITH SMALL CALIBER TUBING INSERTED THEREIN

Ira B. Hill, Kent, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application August 3, 1940, Serial No. 350,548
4 Claims. (Cl. 140—36)



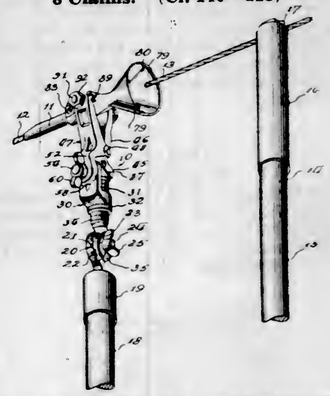
1. In a weaving machine warp wire feeding quill assembly including a generally cylindrical body, a gear embracing said body intermediate the ends thereof, said body being formed with a recessed channel in the periphery thereof, said channel extending generally axially along said body, said gear being formed with a passage generally centrally located with respect to the teeth of said gear, said passage merging with said channel, and tubing having a caliber of the order of the diameter of said warp wire installed in said channel and passage and functioning as a guide for conducting said wire between the ends of said quill.

2,268,659

SPLICING TOOL

David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application July 1, 1940, Serial No. 343,459
8 Claims. (Cl. 140—113)



1. In a splicing tool, the combination of a supporting body provided with a pair of levers movably mounted with respect to each other, actuating means carried by said bodies for selectively moving said levers in either direction toward or from each other, clamping means carried by said levers for clamping a splicing member between said levers, and a bell-shaped guiding member carried by said clamping means for guiding a conductor into said splicing member.

2,268,660

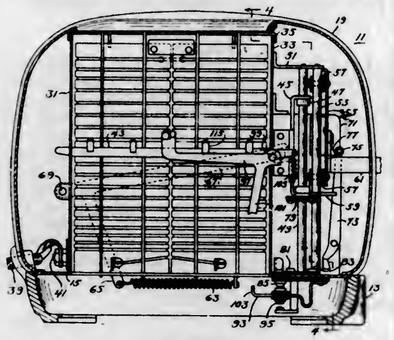
AUTOMATIC TOASTER

Murray Ireland, near Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application February 11, 1941, Serial No. 378,359
5 Claims. (Cl. 219—19)

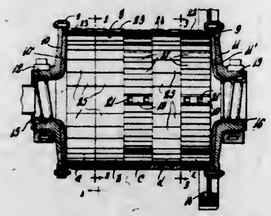
1. In an automatic electric two-slice toaster

comprising a plurality of electric toast heating elements, a pair of bread carriers movable simultaneously into toasting and non-toasting positions relatively to said toast heating elements and normally yieldingly biased into non-toasting position, a main switch for the toast heating elements normally yieldingly biased into open position and means to cause movement of the carriers into toasting position and to cause movement of the main switch into closed position, the improvement comprising an auxiliary heating-element



control switch normally yieldingly biased into position to cause proper energization of all of said toast heating elements when said main switch has been moved into closed position and means including a lever arm pivoted on one of said carriers and actuable by the presence of a slice of bread on said one carrier into a position to avoid engagement with said auxiliary switch to ensure the maintenance of the normal position of said auxiliary switch when said carriers are moved into toasting position with a slice of bread on each carrier.

2,268,661
TUBE MILL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application July 7, 1939, Serial No. 283,159
3 Claims. (Cl. 83—9)



1. In a tube mill, a drum including a cylindrical body of uniform internal diameter having closures arranged with axial hollow trunnions at the opposite ends to rotatably support the drum and through which trunnions material to be reduced is delivered into the drum and reduced material delivered from the drum in suspension in an air stream, and a liner for the cylindrical body of the drum, comprising arcuate segments curved to conform to the curvature of the drum, assembled edgewise and secured to the inner surface of the body in annular sections disposed longitudinally of the drum, the concave surface of the segments of the first two sections at one end of the drum and of the successive alternate section being arranged of sinusoid form disposed circumferentially about and extending parallelly of the axis of the drum and adapted by the rotation of the drum to move the material to be reduced and the material reducing elements in the drum from below the axis up the side of the drum and impart cascading movement thereto, and the concave surface of the segments of the section at the opposite end of the drum and of the successive alternate section being arranged with pockets of arcuate form in cross section circumferentially spaced about and extending parallelly of the axis of the drum, said pockets being of greater depth than and arranged in staggered relation to the inwardly curved portions of the sinusoid surface of the segments of the other sections and the portions between the pockets being in arcs of a circle whose center lies in the axis of the drum adapted to move the material and material reducing elements from below the axis up the side of the drum to a higher level in the drum and impart greater cascading movement thereto than the surface of the segments of the sections with the sinusoid surface, and the convex surface of the segments of the respective sections arranged with recesses, and a noise deadening and cushioning material disposed in said recesses in interposed relation between the segments and cylindrical body of the drum.

2,268,662
PRODUCTION OF MATT PHOTOGRAPHIC EMULSIONS
Julius Knoefel, Leverkusen-Wiesdorf, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 14, 1938, Serial No. 245,671. In Germany December 16, 1937
8 Claims. (Cl. 95—7)

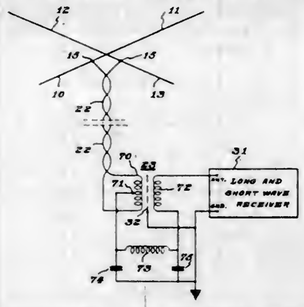
1. A method of matting or delustering a light-sensitive silver halide gelatin emulsion which method comprises dissolving an organic cellulose derivative in an organic solvent therefor, by adding water to the resulting solution, while stirring to effect precipitation of the cellulose derivative in a colorless form, and adding the dispersion thus formed to a molten silver halide gelatin emulsion.

2,268,663
ABRASIVE TOOL
Paul L. Kuzmick, Clifton, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
Application September 19, 1939, Serial No. 295,558
9 Claims. (Cl. 51—206)



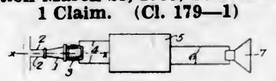
1. An abrasive tool comprising a rigid support provided with a peripheral metal mesh ring having its interstices filled with abrasive particles and a non-metallic heat settable binding material, and a similar ring at each side of the first mentioned ring, the last mentioned rings extending inwardly toward the center of the support so as to overlie each face of the support, said binding material bonding the rings to each other and to the periphery and face of the support.

2,268,664
ALL-WAVE ANTENNA SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 29, 1934, Serial No. 746,081, now Patent No. 2,147,168, dated February 14, 1939. Divided and this application October 31, 1936, Serial No. 108,507
19 Claims. (Cl. 250—20)



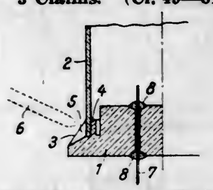
1. In combination, a multi-dipole antenna system, a radio receiver, a two-wire "lead-in" connection from said system to said receiver, separate wires of said connection being adapted to receive energy from symmetrical halves respectively of said system, a transformer adjacent said receiver having a primary winding connected across the two wires of said "lead-in" connection, a low-pass filter the input side of which is connected to a mid-tap on said primary winding and the output side of which is connected in series with the secondary of said transformer, a grounded shield between the primary and secondary of said transformer, and means including suitable connections between said secondary and said receiver, also between said filter and ground whereby signals of relatively high and low frequencies are transferred to said radio receiver, while stray interference waves impressed uniphasally on said "lead-in" connection are for the most part drained to ground.

2,268,665
METHOD AND ARRANGEMENT FOR TRANSFERRING TELEPHONE CONVERSATIONS TO OTHER ELECTRICAL DEVICES
Bernhard Loewe, Yonkers, N. Y.
Application March 25, 1939, Serial No. 264,083
1 Claim. (Cl. 179—1)



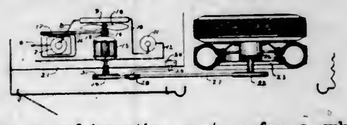
Coupling device for inductive coupling of a telephone circuit with another circuit, comprising two series connected coils mounted on an U-shaped iron core, with the free ends of the coils connected preferably to a shielded cord, and with the core and the coils mounted thereon covered with nonconducting material and tightly sealed in a suitably formed cavity of a holder, the latter being made of elastic, non-conducting material and of such a shape, that its inner part fits over the earpiece of a telephone receiver, holding hereby the core and the coils thereon in proper position to the corresponding parts of the telephone receiver, the outer part of the holder having the shape of an earpiece, and the wall between the inner and the outer part of the holder having holes.

2,268,666
METHOD OF SEALING GLASS AND CERAMIC MATERIAL TOGETHER
Edmund Löpp, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 27, 1939, Serial No. 253,165
In Germany January 27, 1938
3 Claims. (Cl. 49—81)



1. A method of sealing a cylindrical glass body to a ceramic cover which comprises forming annular grooves in said cover, said grooves lying adjacent each other and forming thin-walled annular portions therebetween, forming radial slots in one of said thin-walled annular portions, inserting one end of said body in one of said grooves between said thin-walled portions and sealing said body to said annular portions.

2,268,667
REFRIGERATION APPARATUS FOR TRUCKS AND TRAILERS
Charlie Mendez, Tampa, Fla., assignor of one-half to F. J. Herman, Tampa, Fla.
Application October 17, 1938, Serial No. 235,389
3 Claims. (Cl. 62—6)

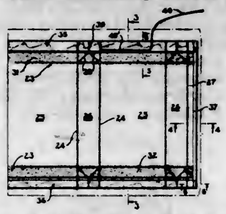


3. In a refrigerating system for a wheeled vehicle, a refrigerating unit including a refrigerant compressor, an electric motor supported beneath the vehicle and having a shaft forming a drive for the compressor when connected with a source of current, a pulley on the shaft of said motor lying in a plane outside of the outer surface of one of the supporting wheels of the vehicle, a pulley shaft having at one end a flange secured to the hub of the supporting wheel and having at the other end a pulley thereon lying in substantially the same plane with the pulley on the motor shaft, and a belt connecting the two pulleys to drive the shaft when the motor is not connected with a source of current.

2,268,668
CONTAINER AND METHOD OF MAKING THE SAME
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application August 16, 1938, Serial No. 225,112
18 Claims. (Cl. 93—36)

1. In the container making art, the method which comprises applying a thin coating of a thermoplastic substance having adhesive properties to the surface of a blank of sheet material, applying a thermoplastic substance having adhesive properties to a strand of fibrous material, securing said strand to a coated portion of said blank by the application of heat and pressure, folding said blank to form a container, and ap-

plying heat and pressure to form a closure seam for said container extending across a portion of



said strand so that the ends of the latter are on opposite sides of said seam.

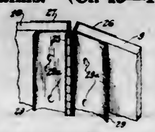
2,268,669

DISPLAY BACKGROUND CONSTRUCTION

Harold H. Moore, Cleveland, Ohio

Application October 25, 1939, Serial No. 301,182

2 Claims. (Cl. 45—106)



1. A display background comprising a series of panels arranged in edge-to-edge relation, means to secure said panels to each other along adjacent vertical edges and provide angular adjustment of one panel with respect to the next adjacent panel, comprising a pair of spaced, resilient U-shaped channels to engage and overlap the vertical edge portions of adjacent panels, said channels provided with a vertical series of spaced, re-entrant portions to secure the panel within the channel and a hinge having two leaves, one leaf being secured to the bight portion of one panel and the other leaf being secured to the bight portion of the other panel.

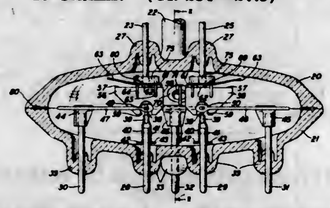
2,268,670

ELECTRON DISCHARGE DEVICE

Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 2, 1939, Serial No. 307,221

19 Claims. (Cl. 250—27.5)



1. In the manufacture of an electron discharge device involving a vessel of precast dish sections, and cooperating electrodes supported from said sections, the process of assembly which comprises sealing electrodes in the dish sections so their extremities extend beyond the planes of the rim surfaces of said sections, said surfaces having a sealing portion and an inner seating portion with an annular channel therebetween, placing the sections together with the sealing and seating portions and annular channel in cooperating and abutting relation, exerting external pressure on said sections, and fusing said sealing portion of said vessel to form a hermetic seal without affecting the seating portion, whereby said cooperating electrodes are prevented from changing in space relation.

2,268,671

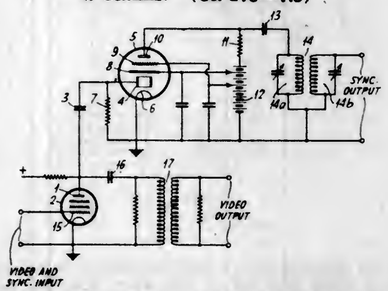
TELEVISION RECEIVER

Donald Leopold Plaistowe, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application July 16, 1938, Serial No. 219,495

In Great Britain August 7, 1937

2 Claims. (Cl. 178—7.3)



1. A system for receiving television signals where a common modulated carrier is used for both the synchronizing and the picture signals comprising a picture signal intermediate frequency amplifying band pass circuit having a band width sufficiently wide to accommodate the entire picture signals and synchronizing signal spectrum, a discharge tube including a cathode, a control electrode and an anode, condenser means for coupling the control electrode to the picture signal circuit, a second band pass circuit tuned to the said picture signal intermediate frequency coupled to the anode of said tube, said second band pass circuit having a narrow band width whereby only the low frequency components containing the synchronizing signals will be passed by said second band pass circuit.

2,268,672

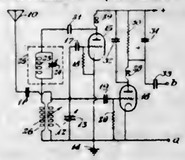
SELECTIVE AMPLIFIER

Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, a corporation of New York

Application January 19, 1939, Serial No. 251,682

In Poland May 24, 1938

12 Claims. (Cl. 179—171)



1. A selective signal translation system comprising a main amplifying path and an auxiliary amplifying path, each of said amplifying paths having a relatively broad frequency response, means for impressing input signal energy upon both of said amplifying paths, a feedback path for feeding back output energy from said auxiliary amplifying path in inverse phase upon the input of said main amplifying path, and adjustable selective impedance means having a relatively narrow frequency response in said feedback path to suppress the feedback for signals of predetermined frequency.

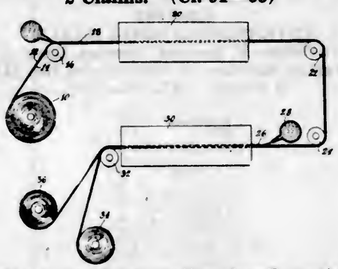
2,268,673

METHOD OF COATING FRAGILE METAL FOILS

Richard Samuel Reynolds, Richmond, Va., assignor to Reynolds Research Corporation, Richmond, Va., a corporation of Delaware

Application August 11, 1938, Serial No. 224,296

2 Claims. (Cl. 91—68)



2. The method of coating fragile metal foils which includes the steps of feeding two layers of foil in back to back relation from a coincidentally wound roll, coating one layer and then reversing the layers and coating the other layer and drying the coatings while maintaining the layers in back to back relation, and then separating the coated layers.

2,268,674

PROCESS FOR SOFTENING PAPER

Murray H. Roth, Brooklyn, N. Y., assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application September 9, 1939, Serial No. 294,135

4 Claims. (Cl. 106—287)

1. A softening agent for paper comprising an aqueous solution containing 20% by weight of unreacted urea, 10% by weight of glycerine, 10% by weight of talc, and 60% by weight of water.

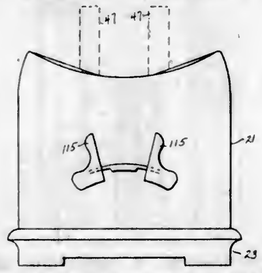
2,268,675

ELECTRIC TOASTER

Frank W. Scharf, Marshall, Mich., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application July 12, 1940, Serial No. 345,191

6 Claims. (Cl. 219—19)



1. An electric toaster including a casing, a toast heater normally yieldingly biased to a lower inoperative position substantially within the casing and manually actuable means for moving the toast heater into an upper operative position with its upper portion positioned within the casing, said manually actuable means including two pivotally mounted lever arms normally spaced apart and movable toward each other to effect said movement, a lug on each lever arm and a detent member having a recess therein for receiving both said lugs to hold said toast heater in its upper operative position.

2,268,676

MOLDING CORE

Connor B. Shanley, Kirkwood, Mo.

Application November 20, 1939, Serial No. 305,244

5 Claims. (Cl. 75—171)



1. A molding core comprising a porous body including a portion contoured to meet molding requirements and a print-portion, and a tubular member embedded wholly within the core and deformed at its opposite ends to provide lengthwise extending fin-like portions for increasing the strength of the bond between the core and the tubular member, said member having a plurality of fluid inlet openings and an outlet opening, the latter for communication through the print-portion with the exterior of the body.

2,268,677

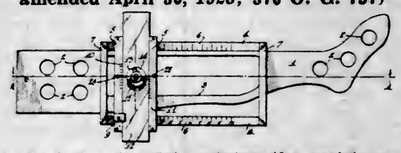
MEANS FOR TESTING THE RESISTANCE OF FABRICS TO SNAGGING

Howard E. Shearer, Washington, D. C., and Edward Max Schenke, Bethesda, Md., assignors to the Secretary of Commerce and to his successors in office, as trustee for the People of the United States of America

Application February 17, 1940, Serial No. 319,434

9 Claims. (Cl. 73—51)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for determining the resistance of fabric to snagging, comprising the combination of a base frame, a carrier frame slidable within predetermined limits on said base frame, means for tautly holding a portion of fabric to be tested, a micrometric snagging device adapted to rest upon the portion of fabric to be tested, and a guide adjustably carried by said carrier frame and associated with the snagging device whereby to guide said device over the fabric along predetermined lines upon the movement of the carrier frame upon said base frame.

2,268,678

PROCESS FOR MANUFACTURING PATTERNED RUBBER SHEETS

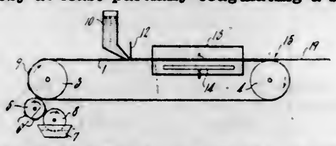
Harold C. Tingey, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application January 3, 1941, Serial No. 373,003

10 Claims. (Cl. 18—57)

1. A process which comprises applying a latex

coagulant to a selected portion of a deposition backing, at least partially drying the coagulant, depositing a layer of latex onto the backing whereby at least partially coagulating a selected



portion of the latex layer, and subsequently concurrently drying or gelling the remainder of the latex layer and piercing only said remainder with a plurality of fluid jets to form permanent perforations therein.

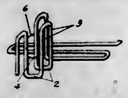
2,268,679
PRINTING DEVICE
Charles H. Van Dusen, Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application January 17, 1941, Serial No. 374,854
6 Claims. (Cl. 101—369)



1. A printing plate on which type characters may be embossed and having a dull surface on at least one face thereof of such nature that at least a portion of such surface that is displaced in the operation of embossing type characters on the plate may be burnished in the embossing operation to thereby be contrasted with the adjacent dull surface on the plate.

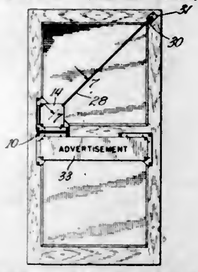
4. The method of producing a surface substantially free of light-reflective properties on at least one face of a printing plate adapted to have type characters embossed thereon which consists in so minutely pitting such surface that in the operation of embossing type characters on the plate at least a portion of the minutely pitted surface that is displaced in the embossing operation may be burnished to thereby become contrasted with the adjacent surface that is substantially free of light reflective properties by reason of the pitting thereof.

2,268,680
HEAT EXCHANGER WITH WIRE HEAT CONDUCTORS
Robert Von Linde, Obermenzing, near Munich, Germany
Application June 6, 1939, Serial No. 277,664
In Germany June 8, 1938
1 Claim. (Cl. 257—263)



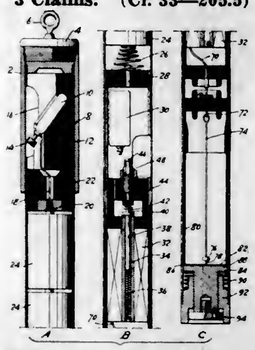
A continuous wire fin for a heat exchange tube arranged on said tube substantially as a helix, said helix comprising two rows of inverted U or V-shaped loops of wire, the loops of one row being staggered with relation to those of the other row and the terminal leg of each loop in each row being integrally joined to the initial leg of the next staggered loop of the other row by a section of wire substantially normal to the direction of the rows of loops, the normal sections being accessible between said rows of loops for attaching the sections to the tube, thereby supporting said helix.

2,268,681
ADVERTISING DOOR BRACE
William F. Vernon, Newton, Iowa
Application January 17, 1940, Serial No. 314,194
1 Claim. (Cl. 40—125)



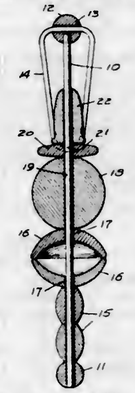
In an advertising door brace, a formed triangular brace, said brace having embossed rectangular sides and a depressed triangular inner section, a flat rectangular advertising plate adapted to be mounted on the depressed inner section and within the embossed rectangular sides, brace rod means attachable to the advertising plate to adjustably support the door, means to mount the brace on any corner of a door, and demountable means to mount the advertising plate on the brace in proper position for display regardless of the position of the brace.

2,268,682
WELL SURVEYING INSTRUMENT
Earnest Ray Webb, Long Beach, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application October 9, 1937, Serial No. 168,195
3 Claims. (Cl. 33—205.5)



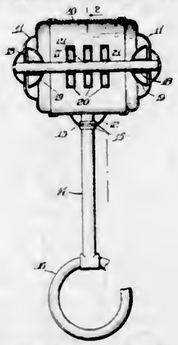
1. In combination, a pendulum, means for supporting the pendulum and an electrically conductive record member with a free end of the pendulum adjacent said record member, the pendulum having, relative to said record member, a location which is variable upon inclination of the supporting means, and having variable spacing relative to the record member depending upon the location of the pendulum, and means for producing a spark between said pendulum and record member to mark the latter, the spacing of the pendulum and record member and the spark voltage being such that, within the effective range of variable location of the pendulum, the spark will be substantially straight and will deviate from the point of the record member closest to said pendulum only to an unobservable extent.

2,268,683
RATTLE
Arthur Zadek, New York, N. Y., and Irwin E. Cohn, Leominster, Mass.
Application June 22, 1940, Serial No. 341,808
1 Claim. (Cl. 46—193)



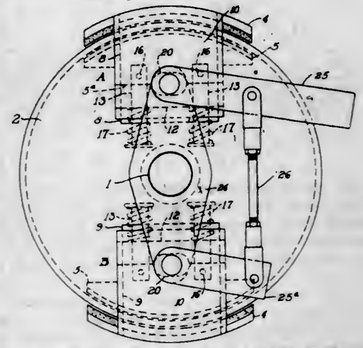
The herein described rattle, comprising a holder depending from an elastic loop and having fixed stop elements at opposite ends, and a plurality of elements loosely mounted for axial movement along said holder between the stop elements, certain of said second elements having concave sides arranged to face each other, and the element directly over the elements having concave sides being of a weight greater than any of the other elements.

2,268,684
RATTLE
Arthur Zadek, New York, N. Y.
Application October 22, 1940, Serial No. 362,181
1 Claim. (Cl. 46—193)



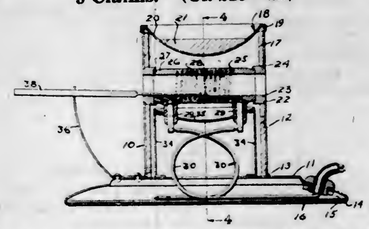
A rattle having an elongated cylindrical head with the ends thereof supporting a coaxial spindle, closed hollow hammer units slidably carried by said spindle, said cylindrical head having its cylindrical wall spaced apart from said hammer units, bell devices fixed at the ends of the spindle adjacent the ends of the head and against which the hammers strike in their extreme movements along the spindle and a handle attached to the side of the cylindrical head substantially midway of its length and projecting at right angles to the longitudinal axis of the head.

2,268,685
BRAKE MECHANISM
George Walther and Claude W. Leslie, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio
Application May 27, 1940, Serial No. 337,586
4 Claims. (Cl. 88—76)



1. In a device of the class described, in combination, a rotatable brake drum having a peripheral flange, a non-rotatable backing plate provided with a slot extending inwardly from its periphery, and a brake unit non-rotatably associated with said plate and comprising a slide member engaged in said slot and freely slidable therein relative to said plate, a brake member fixed to said slide member and frictionally engageable with one surface of said flange, a second brake member mounted on said slide member and movable relative thereto toward and away from the opposing surface of said flange, and yieldable means associated with said second brake member and said slide member for normally maintaining a predetermined spaced relation between said brake members, said slide member being freely slidable relative to said plate and relative to said drum in a direction at an angle to said surfaces while said predetermined relation of said brake members is maintained, and operating means for moving said second brake member relative to said slide member against the action of said yieldable means toward said first brake member, whereby to cause movement of both of said brake members into braking engagement with said flange.

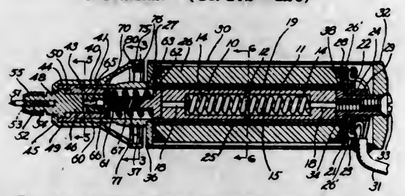
2,268,686
PLASTIC LIQUEFIER
Byron Willis Weekes, Pasadena, Calif.
Application November 2, 1940, Serial No. 364,048
5 Claims. (Cl. 219—22)



1. In a plastic liquefier, a base, a hollow resili-

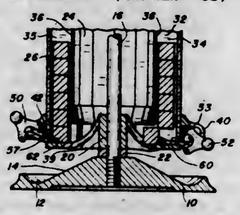
ent column mounted on said base, said column having opposed apertures therein, a collar mounted in each aperture, a heating member including a heating element and a housing therefore, said housing having ends engaging said collars.

2,268,687
ELECTRICALLY ACTUATED IMPLEMENT
John Young, Toledo, Ohio
Application June 2, 1939, Serial No. 277,110
8 Claims. (Cl. 172—126)



1. In an electrically actuated tool, the combination of a casing; relatively stationary and movable core sections in said casing; a spring interposed between said core sections for normally separating the same; a coil for energizing said core sections; a sleeve surrounding said core sections and having a threaded projecting portion; a member threadedly supported upon said sleeve; a second sleeve positioned within the projecting portion of said first mentioned sleeve and adapted to be moved by the threadedly supported member; a tool holder slidably mounted within said second mentioned sleeve; an anvil slidably positioned adjacent said second mentioned sleeve; and a spring interposed between the second mentioned sleeve and said anvil.

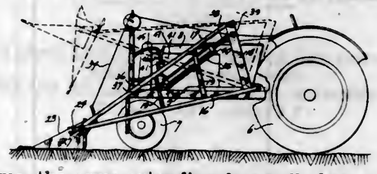
2,268,688
SANITARY CUBE SUGAR DISPENSER
Christopher Andrews, Seattle, Wash.
Application July 13, 1940, Serial No. 345,316
4 Claims. (Cl. 312—63)



1. A dispensing cabinet for stacked articles comprising a base having a receptacle, a vertical supporting rod on said base, a cylinder on said rod, a plurality of vertically disposed lands on the surface thereof forming spaced grooves, the opposite walls of the lands converging to a point at their upper ends forming a flaring entrance to the grooves, and a conical distributing guide on the upper end of the cylinder to direct the articles to be stacked into said flaring entrances, and a transparent sleeve fitted closely about the cylinder and enclosing the grooves.

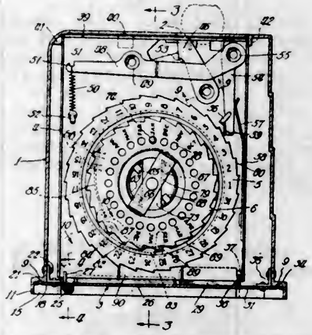
2,268,689
TRACTOR OPERATED LOADER
Richard B. Andrus, Boulder County, Colo.
Application May 10, 1940, Serial No. 334,336
4 Claims. (Cl. 214—140)

1. A power operated loader comprising in combination, an open ended frame adapted to enclose the front and sides of a tractor, means extending inwardly from the frame for attaching it to a tractor, in a horizontal position, a lifter arm consisting of a truss pivotally attached at its lower corner to each side of the frame adjacent its open end, a connector bar joining the lifter arms at a point forward of the closed end of the



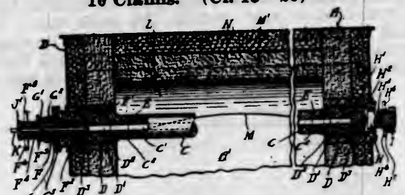
frame, the arms extending forwardly beyond the connector bar, a load carrying device positioned between the arms at the front of said connector bar, and means operated by power derived from the tractor engine and comprising elements connected with each side of the frame and with the corresponding lifter arms for turning the latter about their pivots.

2,268,690
COIN BANK
Jerome B. Aronson, Frank Kusch, and Joseph L. Eisendrath, Jr., Chicago, Ill., assignors to Banthrico, Inc., Chicago, Ill., a corporation of Illinois
Application July 5, 1938, Serial No. 217,456
5 Claims. (Cl. 194—1)



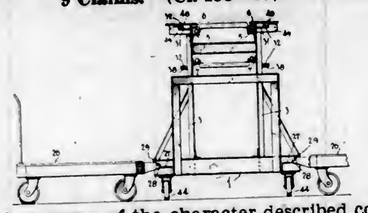
1. In a coin bank, a dial-carrying frame, said frame comprising a sheet having a circular dial-receiving depression in one side, a cupped dial plate seated in said depression whereby to be guided in its rotation by said depression, said plate having a peripheral flange provided with ratchet teeth, said flange providing a number-receiving surface, a fixed cam plate within the cupped dial plate and bearing thereon, a second dial plate bearing on said cam plate and having ratchet teeth thereon, said second dial plate having indicia thereon spaced to correspond to the spacing of the ratchet teeth of said second dial plate, said frame having curved guide portions extending through said plates at the center of said depression, the said dial plates being provided with central openings whereby they are rotatable on said guide portions, means engaging the teeth of the first named dial plate for turning it, and a pawl on the first named dial plate cooperating with the teeth of the second dial plate and with the cam plate to advance the second dial plate once for each rotation of the first named dial plate.

2,268,691
ELECTRICALLY HEATED FURNACE
Frank W. Brooke, Pittsburgh, Pa., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1939, Serial No. 262,860
10 Claims. (Cl. 13—20)



1. In a furnace, the combination with the furnace chamber, of electrical heating means therefor comprising a hollow porous resistor of refractory material within said chamber, and means for closing cracks and joints in said hollow resistor comprising means for passing into said hollow resistor a gas including a carbon constituent which cracks at high temperatures and deposits solid carbon thereby formed in said cracks and joints.

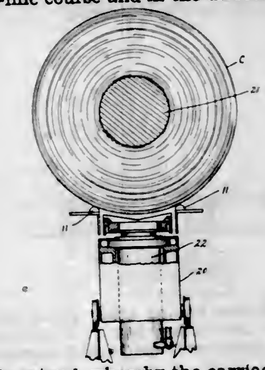
2,268,692
LOADING AND UNLOADING CONVEYER APPARATUS
William Bisset, Port Hope, Ontario, Canada, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada, a corporation of Canada
Original application March 2, 1939, Serial No. 259,443. Divided and this application April 14, 1941, Serial No. 388,566
9 Claims. (Cl. 198—19)



1. A conveyer of the character described comprising, a base, an endless conveyer supported by said base and movable longitudinally thereof, a pair of transversely spaced supports extending longitudinally along each side of said endless conveyer and adapted to support another conveyer positioned thereon, and pivotally mounted cover plates for said supports, said cover plates being movable to and from a horizontal position and being adapted to cover said supports and form tables along each side of and substantially flush with said endless conveyer in said horizontal position.

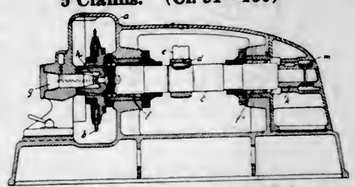
2,268,693
CONVEYING APPARATUS
William B. Boyer, Oakmont, Pa., assignor to Blaw-Knox Company, a corporation of New Jersey
Application February 28, 1941, Serial No. 381,073
5 Claims. (Cl. 214—130)

1. In an up-ender for a cylindrical burden consisting of a pivotally mounted block with two angularly extending arms, the invention herein described which consists of a carriage mounted upon one arm and having a seat for a burden formed of two parallel rails that extend in direction perpendicular to the face of the other arm, the carriage being movable in its mounting in right-line course and in the direction in which



the rails extend, whereby the carriage is adapted to receive a coil resting by its cylindrical side upon the rails and to carry the so resting coil to end abutment upon such other arm.

2,268,694
GRINDING MACHINE
Erich Buchholz, Hamburg-Wandsbek, Germany, assignor to Bauer & Schaurte, Neuss-on-Rhine, Germany, a Kommanditgesellschaft of Germany
Application July 12, 1939, Serial No. 284,029
In Germany July 25, 1938
5 Claims. (Cl. 51—166)

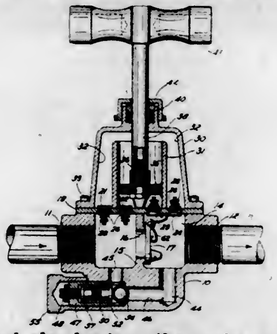


1. In a grinding machine embodying a rotatable spindle, bearings for supporting said spindle, a grinding disc carried by the spindle, a stop associated with the spindle to restrain axial movement thereof, located in the central plane of the grinding disc, and disc clamping flanges engaging the opposite sides of said grinding disc, said flanges being radially supported from points on said spindle disposed on opposite sides of said stop.

2,268,695
PUMP
Bert G. Carlson, Willobee, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1940, Serial No. 366,678
2 Claims. (Cl. 103—42)

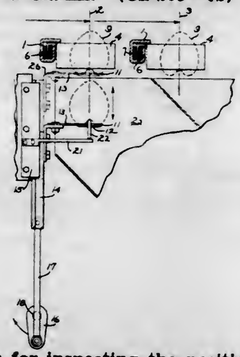
1. In a fuel pump comprising a chambered casing having inlet and outlet passages, a plate thereon, a housing on the plate, a cylinder on the plate within the housing and a piston in the cylinder, the combination of a wall dividing said chamber into inlet and outlet compartments communicating respectively with said inlet and outlet passages and axially aligned with said passages, said wall having a valve controlled opening therethrough in axial alignment with said passages, the plate having valve controlled openings

for permitting flow of fluid from said inlet compartment to the interior of said housing and



cylinder and also having other valve controlled openings for permitting flow of fluid from said housing and cylinder to said outlet compartment.

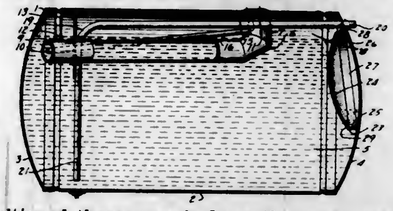
2,268,696
FRUIT POSITION INSPECTOR
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application August 29, 1939, Serial No. 292,432
2 Claims. (Cl. 209—72)



1. Means for inspecting the position of fruits having a stem indent, comprising a clamp having vertical opposed arms positively and horizontally movable to open said clamp and resilient means urging said arms together to grip a fruit therebetween, means for positioning said clamp with a fruit therein in a predetermined position, means operable to open said clamp in said position, a ring positioned immediately below said clamped fruit to receive and support the fruit released by said clamp, means for lowering said ring to a new position, and a stationary feeler entering said ring at said new position to enter the stem indent if down, and to push against the convex surface of said fruit if the stem indent is not down to roll said fruit off from said ring.

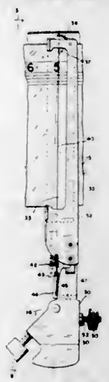
2,268,697
FUEL TANK
Rolla C. Coleman, Kansas City, Mo., assignor to American Safety Tank Co., Kansas City, Mo., a corporation of Missouri
Application March 6, 1939, Serial No. 259,998
1 Claim. (Cl. 220—86)

In a fuel tank having an exteriorly crowned end wall, a filling duct having a discharge portion extending substantially horizontally within the tank and having a lateral filling portion extending through a wall of the tank to a point above the top thereof, the outlet end of the discharge portion of said duct being located a sufficient distance below the top of the tank to form a non-fillable void within the tank when the tank is filled, a displacement member having a concavo-convex portion, and a peripheral flange secured to the crowned end of said tank and so



positioned thereon as to have the upper end of said member extended into the non-fillable void, said displacement member being provided with a restricted liquid inlet below the liquid level in the tank and a vent opening connected directly with said non-fillable void, said displacement member being located with a sufficient portion thereof below the level of said non-fillable void to contain the volume of liquid required to break the liquid seal which may occur between the non-fillable void and the filling duct.

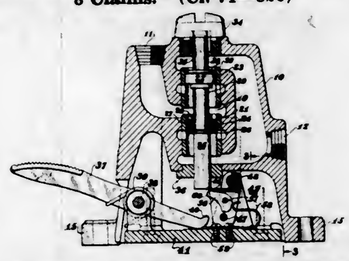
2,268,698
WEIGHING SCALE
Carl L. Conners, Louisville, Ky., assignor to Walter F. Stimpson, Louisville, Ky.
Application March 28, 1940, Serial No. 326,439
5 Claims. (Cl. 116—129)



1. In a weighing scale construction, in combination with a chart, a hand construction pivoted upon a fixed axis and swingable over the chart, and incorporating a body, an elongated indicator extending longitudinally of the hand construction and one end of which is fixed with relation to said body, and means for adjustably securing the other end of the indicator to said body for movement with relation thereto both transversely of and toward and from the hand, comprising a bracket rod bent to a substantially right angle and having one arm rotatably and slidably mounted in said body and another arm projecting in the general direction of said indicator, the indicator being attached to the last-mentioned

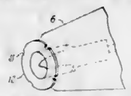
arm, and common means for holding the first-mentioned arm against rotary and sliding movement, to thereby position the bracket rod and the indicator attached thereto.

2,268,699
FLUID CONTROL VALVE
John C. Cotner, Logansport, Ind., assignor to Logansport Machine, Inc.
Application January 26, 1940, Serial No. 315,785
8 Claims. (Cl. 74—526)



1. A mechanism for moving an element between two limiting positions designated as a first and a second position comprising, in combination, resilient means for urging the movable element in said first position, actuating means for moving the movable element in said second position, pivotally mounted latch means for securing the movable element in said second position, spring means for urging the latch means into engagement with the movable element, means carried by the latch means and engageable by the acuating means for causing the actuating means to oppose the spring means and disengage the latch means from the movable element and permit the resilient means to urge the movable element to said first position, and selective means for independently opposing the spring means and holding the latch means out of engagement with the movable element.

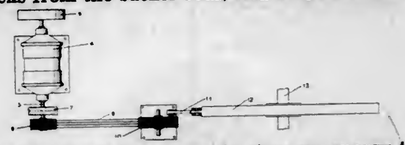
2,268,700
INCANDESCENT ELECTRIC LAMP
Guy N. Criger and Lee Roy Dehler, Rock Island, Ill.
Application March 2, 1939, Serial No. 259,335
12 Claims. (Cl. 176—32)



2. In an incandescent electric lamp, a lamp bulb having a base, said base having a resilient compressible cap, of an electrical non-conductor substance having metal contact projections embedded therein; the said cap having an arcuate lug extending part way around said base abjacent its lower margin.

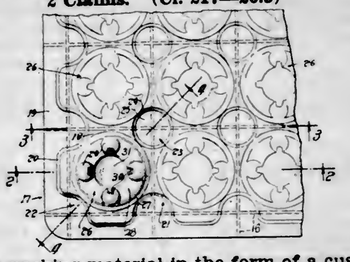
2,268,701
PUMPING EQUIPMENT
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 18, 1939, Serial No. 295,523
1 Claim. (Cl. 74—41)

In a well pumping unit the combination comprising a walking beam having sucker rods attached to one end thereof and a pitman to the other end, a prime mover to drive the pumping means, a flexible hydraulic coupling between the pitman and the prime mover to absorb impact shocks from the sucker rods, and a flywheel con-



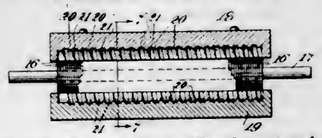
nected to the prime mover to store up energy in the flywheel, said energy being imparted to the flywheel by the downward movement of the sucker rods.

2,268,702
PACKING MATERIAL
William J. De Reamer, Crown Point, Ind., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware
Application June 7, 1939, Serial No. 277,779
2 Claims. (Cl. 217—26.5)



1. A packing material in the form of a cushion pad embodying therein a sheet-like body portion having a depressed marginal portion and parts formed as right angled rows of spaced apart unconnected depressions arranged at points coincident with the intersections of the strips of the cell forming fillers used with the pad, said depressions each having a bottom disposed in the plane of said marginal portion, other parts of said body portion being formed as article supporting seats arranged one within the area of each cell formed by the filler, each seat including a group of hollow upstanding projections arranged in spaced relation about a common central point for said group, and each projection being so formed in that side disposed radial with respect to said point as to provide an area of contact conforming to the associated part of the article to engage upon said projections.

2,268,703
PROCESS FOR MAKING BLANKS
Charles Thomas Dickey, Elizabeth, N. J.
Application December 5, 1939, Serial No. 307,611
9 Claims. (Cl. 18—47.5)



1. Process for making a blank comprising impregnating fabric sheets with a thermoplastic body, cutting washer-like members therefrom, aligning the washers along a common axis compacting the washers into a unitary member and roughening the outer surface until ends of fibers protrude therefrom.

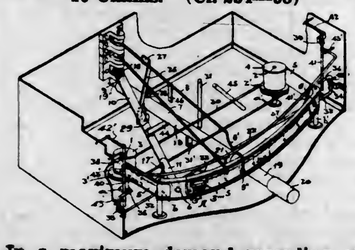
2,268,704
ELECTRIC CABLE
Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy
Application February 7, 1939, Serial No. 255,167
In Italy February 10, 1938
5 Claims. (Cl. 174—25)



Constant volume cable impregnated with a geogenic oil containing a saturated hydrocarbon of the aliphatic series.

1. An electric cable installation of the constant volume type comprising a cable having one or more conductors covered with insulation, such insulation being impregnated with an oil made up substantially of hydrocarbons which generate gas by chemical action under the influence of the electric field due to the cable potential, whenever the inside fluid pressure drops below that at which any gas present ionizes under the applied potential, which generation of gas continues at least until the pressure rises to a point sufficiently high to substantially prevent further ionization.

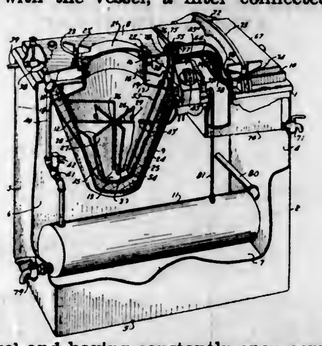
2,268,705
MAXIMUM DEMAND METER RECORDING ATTACHMENT
Dana B. Green and Robert R. Sprole, Ithaca, N. Y., assignors to Therm-Electric Meters Company Incorporated, Ithaca, N. Y.
Application August 5, 1939, Serial No. 288,492
10 Claims. (Cl. 234—58)



2. In a maximum demand recording attachment for electric meters of the type having a pointer-actuated maximum demand element adapted to be reset at regular intervals, means for supporting a movable chart having definite time period markings, and means for displacing the maximum demand element into marking contact with said chart, the combination therewith of, a member mounted to swing in an advance and return direction, means for advancing the chart as the said member is displaced in its advance direction, means for resetting said maximum demand element in response to the return movement only of said member, a manually operable reciprocable means, and means subject to the reciprocable operation of said manual means for controlling said member.

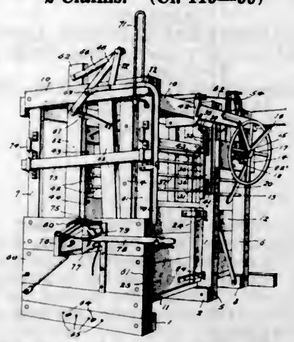
2,268,706
APPARATUS FOR REFINING LUBRICATING OILS
Carl E. Holt, Kansas City, Mo.
Application January 20, 1939, Serial No. 251,953
4 Claims. (Cl. 196—16)

1. An apparatus for refining used lubricating oil including a vessel having a heating chamber in the bottom thereof for confining a body of oil, electrical heating means in said chamber, pressure supply means connected with the vessel and having outlet into the bottom of the heating chamber for discharging an agitating medium under pressure into and through the oil to effect agitation and circulation thereof in contact with said heating means to effect vaporization of any diluents contained in the oil, a vapor outlet connected with the vessel, a filter connected with



the vessel and having constantly open communication with the heating chamber, a valve selectively closing said vapor outlet, a solenoid connected with the valve, means supplying an electric current to said solenoid including the heating means, and a thermostat responsive to heat generated in the heating chamber for interrupting said current supply to effect closure of the valve whereby the agitating medium is effective in conveying the oil from said heating chamber through the filter.

2,268,707
BRANDING CHUTE
Arthur C. Huckelbridge, Coldwater, Kans.
Application March 21, 1941, Serial No. 384,558
2 Claims. (Cl. 119—99)



1. A branding chute including a floor with a wall at one end and one side, there being a door opening at the other end and a door opening in the side wall adjacent to the end wall, separate doors for closing the respective openings, a squeeze extending upwardly from and mounted to swing relative to the floor, said squeeze being disposed oppositely to and spaced from the side wall, means adjacent to the side wall for actuating the squeeze to hold an animal firmly against the side wall and the door thereof, there being a space above the end wall for the reception of the neck and head of the held animal, a detachable grid in the side door opening above the side door mounted for up and down sliding movement and for outward swinging movement, and separate means for holding the grid at either limit of its swinging movement.

2,268,708
LAMP HOLDER
George A. Johnson and Harry E. Seim, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application January 23, 1940, Serial No. 315,196
10 Claims. (Cl. 173—328)



1. A lamp holder for electric lamps having a pair of spaced contact prongs at the ends thereof comprising, a housing having a pair of substantially parallel J-shaped slots extending downwardly along one side thereof to receive the prongs of the lamp, a pair of elongated resilient contact members of different degrees of stiffness mounted within the housing, said contact members having their lower ends attached to the housing and having their free ends disposed adjacent the slots to be engaged by the lamp prongs when pushed downwardly within the slots and exert opposing forces against said prongs, said contact member having the greater stiffness having its free end portion positioned to engage one of the contact prongs of the lamp to urge the contact prongs of the lamp into engagement with the closed ends of the slots and releasably retain said prongs therein against the opposing force exerted by the other contact member.

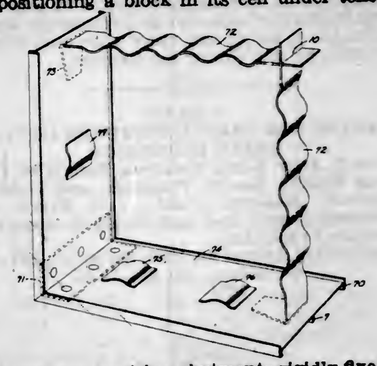
2,268,709
PROCESS OF MAKING SOLES
Emmet Kelly, Boston, Mass.
Application February 3, 1940, Serial No. 317,155
5 Claims. (Cl. 12—146)



1. A process of preparing complementary insole-outsole units, which includes the steps of cementing stiff shank material to the rear portion of a leather outsole blank, splitting the composite blank thus formed to remove two united plies, reversing said plies and cementing the shank material to another leather outsole blank, and then separating therefrom an insole blank comprising leather plies enclosing the shank material at the same time and providing a landed outsole blank.

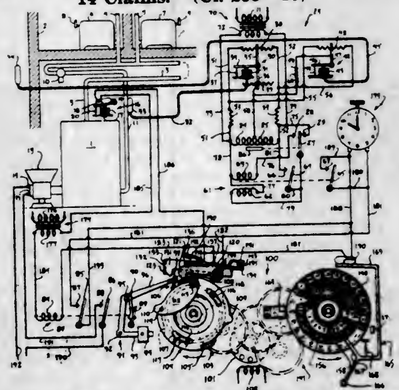
2,268,710
WALL PANELING
George H. Lenke, Elmhurst, Ill., assignor of one-half to Julius J. Ohlis, Oak Park, Ill.
Application August 16, 1939, Serial No. 290,506
11 Claims. (Cl. 72—42)

4. A wall panel comprising a frame; separator strips extending across said frame from one side thereof to another and intersecting each other thereby providing a plurality of cells in the panel; a building block in each cell, said block having exposed faces and unexposed sides; and means for positioning a block in its cell under tension,



said means comprising abutments rigidly fixed on the frame as well as yieldable other abutments carried by said strips and springingly engaging unexposed sides of said block.

2,268,711
APPARATUS FOR CONTROLLING HEATING SYSTEMS
Joseph T. Lewandowski, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 27, 1938, Serial No. 227,172
14 Claims. (Cl. 236—46)



1. In a heating system employing a vaporizable heating medium, in combination, heating means including an electrically energizable device, control apparatus comprising means responsive to the temperature of the heating medium, means responsive to the pressure of the heating medium, an electrical relay controlling said device, said temperature responsive means controlling said relay to start said device and said control apparatus embodying means whereby upon starting of said device a maintaining circuit for said relay controlled by said pressure responsive means is established, automatic timing mechanism controlling said relay for operating said device at intervals to maintain a limited amount of heat in the heating means, said timing mechanism comprising contacting means actuable thereby, said contacting means controlling said maintaining circuit, means operated by said relay rendering said contacting means inactuable to

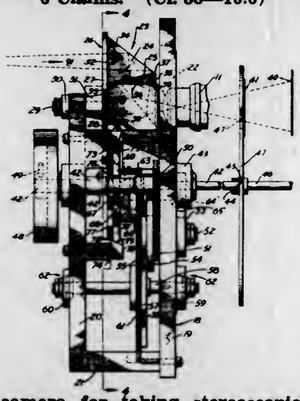
affect said relay when said relay is energized by said temperature responsive means whereby said timing mechanism will not interrupt said maintaining circuit, said means operated by said relay being ineffective to render said contacting means inactuable to affect said relay when said relay is energized by said timing mechanism.

2,268,712

MEANS FOR TAKING PICTURES IN THE THIRD DIMENSION

Albert T. Luer, South Pasadena, Donald M. Perry and Warren Howell, Pasadena, and Waldo E. Howell, Altadena, Calif.; said Perry, said Warren Howell, and said Waldo E. Howell assignors to said Luer

Application August 22, 1939, Serial No. 291,394
6 Claims. (Cl. 88—16.6)



1. A camera for taking stereoscopic motion pictures, which comprises a film magazine from and into which motion picture film is fed, a feed mechanism for the film, a shutter for interrupting a beam of light to the film, a photographic lens set disposed in advance of the shutter, a light directing optical unit mounted in advance of the lens set and comprising a scanning prism for receiving the beam of light from a photographic scene being photographed and a reflecting prism to which the beam of light is directed by the scanning prism and by which the beam of light is directed to the photographic lens set, means supporting said pair of prisms to oscillate around an extension of the longitudinal center axis of the photographic lens set whereby the scanning lens will be moved to the left and to the right of a central vertical plane intersecting the central axis of the lens set, synchronous driving means for said oscillating member driven by the camera driving means whereby the scanning prism will be shifted to said right and left positions in the interval of non-exposure of the film, and means associated with said operating mechanism for varying and establishing the distance of movement of the scanning prism to the right and left of said central vertical plane.

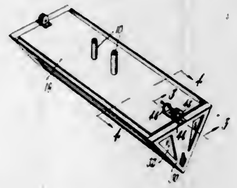
2,268,713

FIXTURE FOR ELECTRIC LIGHTS

Guido A. Luti, Boston, Mass., assignor to himself, Frank S. Amato, and John Amato, doing business as Metallic Arts Co., Cambridge, Mass., a copartnership

Application August 7, 1940, Serial No. 351,703
2 Claims. (Cl. 240—78)

1. A housing for horizontal elongated electric lamps, comprising an elongated horizontal top member, lamp supporting means secured beneath said top member, and a trough-shaped housing member pivotally attached at its ends to the ends of said top member and rockable in either direction from its normal position beneath



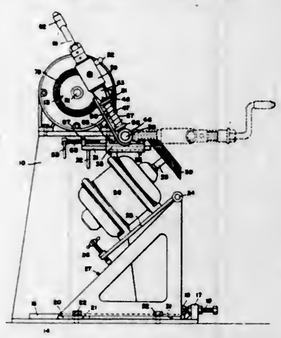
the top member about a horizontal axis in the median plane perpendicular to the top member and above the center of gravity of the housing member, and locking means for holding said housing member in any one of a plurality of positions about said axis.

2,268,714

TOOL SHARPENING AND GAUGING MACHINE

James F. McCarthy, Jr., Wallace, Idaho

Application March 31, 1939, Serial No. 265,249
14 Claims. (Cl. 90—11)



14. A drill bit sharpening machine comprising a rotary driven sharpening miller, a bit holder swingingly mounted in alinement with said sharpening miller, a rotary driven gauging miller mounted in the path of said swinging bit holder, a rotatably mounted head for engaging the cutting face of a bit upon said bit holder when the latter is swung to present such bit to said gauging miller, and means to rotate said head during the gauging operation.

2,268,715

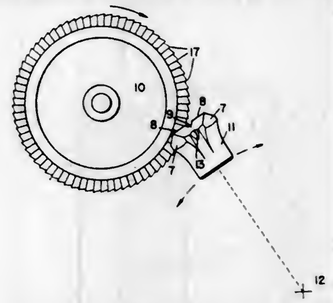
METHOD OF RECONDITIONING ROCK DRILL BITS

James F. McCarthy, Jr., Wallace, Idaho

Application June 24, 1939, Serial No. 280,981
6 Claims. (Cl. 76—108)

1. The method of reconditioning a worn rock drill bit having radial teeth, which comprises heating the bit, presenting adjacent faces of the teeth to a rotating double milling cutter operating outwardly from the center of the bit, urging the heated bit against said rotating cutter sufficiently to cause the milling operation to swage the indexed teeth radially outward upon

the bit, serially indexing the bit in accordance with the teeth thereon and milling as aforesaid,



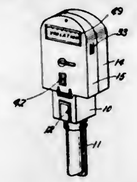
next cutting the milled and swaged bit to guage diameter, and finally tempering the bit.

2,268,716

PARKING METER

Frank L. Michaels, Fort Thomas, Ky.

Application May 12, 1936, Serial No. 79,302
11 Claims. (Cl. 194—61)



1. In a parking meter the combination of an indicator, yieldable means urging the indicator in one direction, a setting segment fixed to and movable with the indicator, abutment members adjustably positionable on said segment, a movable arm concentric with the setting segment and including a pawl overhanging the setting segment and adapted to engage said abutments for effecting movement of the segment and indicator against the resistance of the yielding means, an adjustable shield disposed intermediate the setting segment and said arm and having an arcuate edge positioned to selectively withhold the pawl on the arm from operative engagement with certain of said adjustable abutments upon one cycle of operation of the arm whereby the segment is moved to withdraw a previously shielded adjustable abutment beyond the shielded position for engagement by the arm in a subsequent cycle of operation, an operating handle, a coin conditioned control means operatively connecting the handle and arm for a cycle of arm operation and returnable for a subsequent cycle of operation upon conditioning with another coin, and an escapement mechanism retarding the return movement of the setting segment and indicator.

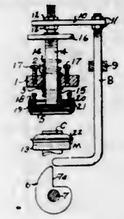
2,268,717

METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE

William J. Miller, Swissvale, Pa.

Application September 21, 1937, Serial No. 164,899
18 Claims. (Cl. 25—22)

1. In combination with a support on which charges of clay are spread, a forming member for co-operation with said support means for elevating and dropping the forming member and mechanism for effecting quick action in the co-



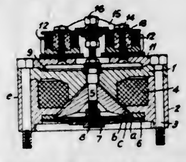
operation and separation of the forming member and clay.

2,268,718

CARBON PILE ELECTRIC REGULATOR

Frederick Newton, Duffield, Derby, England, assignor to Newton Brothers (Derby) Limited, Derby, England

Application October 13, 1939, Serial No. 299,325
In Great Britain April 8, 1938
12 Claims. (Cl. 201—51)



12. In a control apparatus, an abutment device having mutually inclined surfaces, a resilient beam bridging said surfaces, an electromagnet having pole pieces, an armature, said pole pieces and armature constituting two relatively movable members, one of said members being connected to said abutment and the other member being connected to the mid point of the resilient beam, said members operating upon energization of the electromagnet to force the mid point of the beam further into the angle between the surfaces of the abutment, causing the end portions of the beam progressively to contact the mutually inclined surfaces, progressively reducing the effective length of the beam bridged between them and progressively increasing the resistance to displacement by the electromagnet, and variable electric resistance means having a movable part actuated by the relative displacement of the members of said electromagnet.

2,268,719

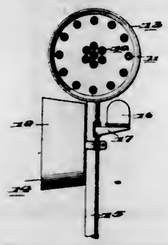
TRAFFIC SIGNAL

William J. Norton, Indianapolis, Ind., assignor to Walter E. Beyer, Indianapolis, Ind.

Application October 19, 1939, Serial No. 300,248
6 Claims. (Cl. 177—337)

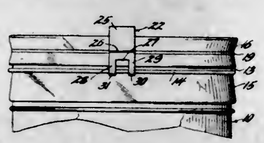
1. A traffic signal device comprising a pair of signal display units, each unit including a bank of green lamps and a bank of red lamps, a timing device for the lamps including a drum contactor controller for controlling the circuit to each of the green lamps and all of the red lamps in each display unit, a pair of cam surfaces on each drum and positioned 180° apart, a synchronous motor for operating the drums, a clutch member interposed between the synchronous motor and the drive shaft for the drums, a solenoid for controlling the operation of the clutch, a timing device for controlling the operation of the solenoid whereby the clutch holds the drums for a period

to exhibit all the green lamps of the "go" signal and then release the clutch when one of the cams is in a predetermined position relative to



the arrangement of the green lamps in the bank so as to permit the progressive extinguishing of each green lamp to terminate the "go" signal.

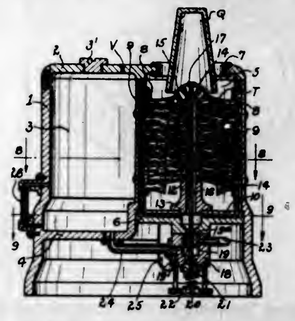
2,268,720
COVERED CONTAINER WITH COVER FASTENING MEANS
Charles F. Onthank, Chestnut Hill, Mass.
Application July 8, 1939, Serial No. 283,474
3 Claims. (Cl. 215—90)



2. The combination with a container in the form of a jar,, of a cover for the mouth of the jar having a marginal portion adapted to overlie the jar lip, and means for yieldingly holding said cover operatively on said jar, said means comprising a plurality of spring clips each of which comprises a strip of springy metal of substantial width bent transversely to form two portions at an angle to each other, a wire surrounding the container below said lip, the end of one portion of each of said clips being centrally recessed whereby to form a pair of spaced apart fingers whose ends are bent around an arcuate portion of said wire as a pivot, the recess providing a clearance for the wire between said fingers, the width of the strip being such for the purpose of strength that if its full width were rolled about the wire a binding effect would result upon pivoting but the fingers having a sufficient free length and being of such small width that binding effect upon pivoting is substantially avoided, said wire being offset between the fingers of each clip whereby to position the clips on the wire, the other portions of said clips being operatively engageable over the top of said cover.

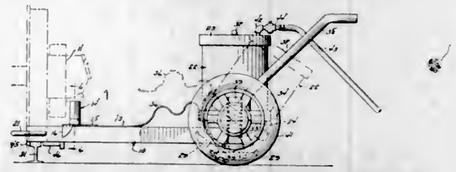
2,268,721
WASHING MACHINE
Bruno W. Ossowsky, Seattle, Wash.
Substituted for abandoned application Serial No. 215,965, June 27, 1938. This application May 26, 1941, Serial No. 395,250
2 Claims. (Cl. 141—3)

1. In a glass washing machine having a distributing chamber, the combination with a valve casing communicating with said chamber and having an inlet port, and a tubular ported post mounted above the casing, of a spring-lifted depressible stem mounted in the post and projecting through the casing, a piston-valve on the stem and controlling the inlet port, said piston-valve also having a port extending longitudinal-



ly therethrough, and an automatic valve mounted on the piston-valve adapted to open the last mentioned port as the valve-stem is depressed.

2,268,722
RAILWAY CAR JACK
Bernard R. Picard, Fort Dodge, Iowa
Application May 1, 1941, Serial No. 391,422
3 Claims. (Cl. 254—33)

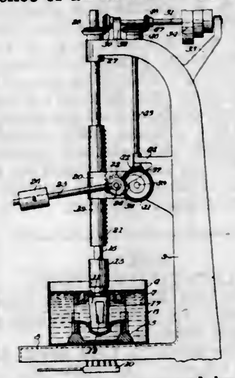


1. A railway car jack comprising a beam, a post slidably mounted on one end of the beam, a pneumatic cylinder pivotally mounted on the other end of the beam for movement to an upright position and to a rearwardly inclined position, handle means extending from the rear end of the beam, a stop member connected to the cylinder engageable with the handle means for holding the cylinder in rearwardly inclined position, a stop member connected to the cylinder engageable with the beam for holding the cylinder in upright position, ground wheels connected to the beam for transporting the device, a piston rod extending through the bottom of the cylinder, a shoe on the bottom of the piston rod adapted to contact the ground, a spring sleeved on the piston rod within the cylinder normally holding the shoe raised above the ground, and means for admitting a fluid pressure medium to the cylinder above the piston to raise the cylinder off the piston when the shoe rests upon the ground and carry the rear end of the beam upwardly to cause the forward end of the beam to fulcrum on a rail and move the post upwardly to raise the truck side of a railway car.

2,268,723
METHOD OF LAPPING VALVE PLUGS
George F. Scherer, San Francisco, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application November 12, 1938, Serial No. 239,905
3 Claims. (Cl. 51—281)

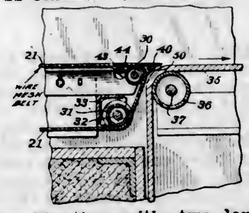
1. The method of fitting a valve plug into its seat which comprises lapping the plug in its seat

in the presence of an abrasive lapping compound



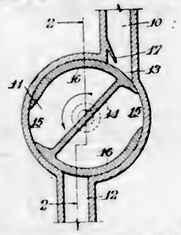
at a temperature above normal by the application of extraneous heat.

2,268,724
TRANSFER DEVICE FOR CONVEYERS
Orie Shackelford, Fairmont, W. Va.
Application August 16, 1939, Serial No. 290,484
11 Claims. (Cl. 198—20)



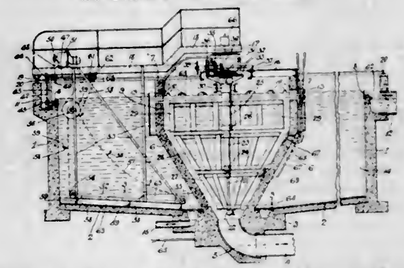
1. The combination with two longitudinally aligned conveyers comprising belts trained about substantially parallel rollers at the adjacent ends of the conveyers, of means for facilitating the transfer of articles from one conveyer to the other, said means comprising a plate substantially spanning the space between the adjacent ends of the conveyers and supporting means for said plate comprising members pivoted about the axis of one of said rollers, and means for imparting oscillations in a vertical plane to said members to vibrate the plate.

2,268,725
VALVE
Robert A. Steel, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 8, 1939, Serial No. 272,368
3 Claims. (Cl. 221—106)



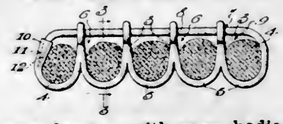
1. A valve for transferring solid granular material comprising a valve body having an inlet passage and an outlet passage, said passages being offset to each other and to the center of said valve body, a rotor within said valve body, said rotor having an outer wall and at least one center wall defining at least two hollow chambers, means defining an opening in each of said chambers adapted to communicate with said passages in said valve body, a baffle in said inlet passage extending diagonally downward from the wall of said inlet passage to a point approximately centrally located within said inlet passage, and spaced from the top of said rotor by a distance which is a small multiple of the particle size of said solid granulated material.

2,268,726
FLOC CONCENTRATION TANK
Marcus B. Tark, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application October 14, 1938, Serial No. 234,912
20 Claims. (Cl. 210—16)



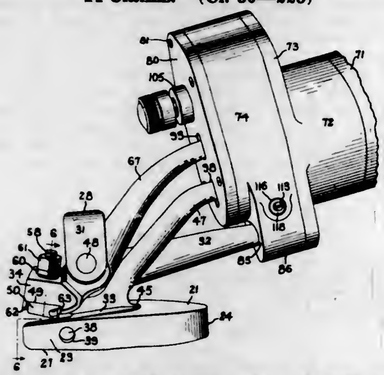
1. Apparatus for clarifying liquids including a floc concentration chamber, means for passing liquid through said chamber, mechanical means for agitating and mixing the liquid and for forming a blanket of floc particles within the chamber and means for withdrawing liquid from the chamber after it has passed through the blanket and for withdrawing flocs from the upstream portion of the blanket, means for settling the floc out of said liquid and for collecting the flocs thus settled.

2,268,727
YARN SEPARATOR
Joseph I. Taylor and Karl T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 113,869, December 2, 1936. This application February 27, 1940, Serial No. 321,087
8 Claims. (Cl. 28—21)



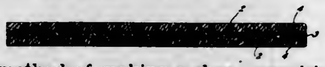
1. A device for use with yarn bodies, skeins, etc., comprising a comb-like element having a plurality of spaced fingers for insertion into a yarn body, said fingers having openings formed in the ends thereof, a flexible extension at one end of said comb-like element adapted to encircle the outer edge of said yarn body and to be threaded through the openings in said fingers, and a finger formed at the opposite end of said comb-like element and means to receive and hold the end of said flexible extension.

2,268,728
SHEARING MECHANISM
Frederick Toop, York, Pa.
Application February 27, 1941, Serial No. 380,943
14 Claims. (Cl. 30—228)



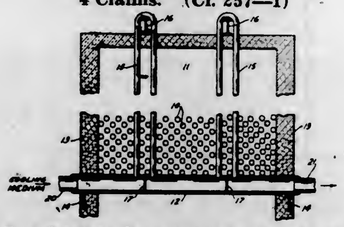
1. A portable shears comprising a base member, a pair of movable cutting blades pivotally mounted in said base member, said cutting blades being superposed with respect to each other and the pivots for said cutting blades being superposed with respect to each other, and means for imparting rapid movements to said cutting blades in opposite directions so that said blades will have shearing movements past the edges thereof of small amplitude.

2,268,729
BOX TOE AND METHOD OF MAKING THE SAME
William B. Tucker, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 11, 1940, Serial No. 329,016
6 Claims. (Cl. 12—146)



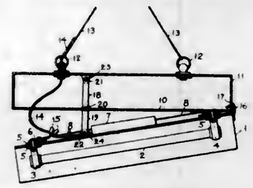
1. A method of making a shoe comprising the steps of impregnating a fibrous web with a mixture of a hydraulic setting cement and a rubber dispersion, treating the impregnated web with a coagulating agent, and lasting the impregnated web in the toe of a shoe.

2,268,730
COOLED TUBE SUPPORT
Walter Vagt, Berlin-Frohnau, Germany, assignor to The La Mont Corporation, New York, N. Y.
Application November 26, 1940, Serial No. 367,171
In Germany October 26, 1939
4 Claims. (Cl. 257—1)



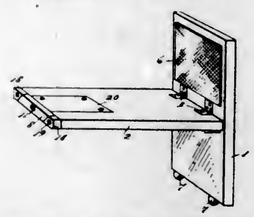
1. In a heat exchanger having a gas pass, horizontally disposed heat absorbing elements located therein, a horizontally disposed, hollow, beam-like member extending transversely of said pass beneath said elements and so arranged as to form a subjacent support for said elements, and connections for delivering a cooling fluid to and taking it from said member; other supporting means located above said elements; and generally U-shaped tubular fluid circulating elements depending substantially vertically from said supporting means and engaging said member at spaced points thereof within said pass so as to afford support thereto.

2,268,731
LIGHTING FIXTURE
Paul Schuyler Van Bloem, Great Neck Estates, N. Y., assignor to Gotham Pressed Steel Corporation, New York, N. Y.
Application December 14, 1940, Serial No. 370,144
2 Claims. (Cl. 240—78)



1. A lighting fixture comprising an elongated lower casing, means to support an electric lamp in the casing, electrical connectors for the lamp on top of the casing, an elongated upper casing forming a cover for the lower casing, a pair of hinges at the rear walls of the casings, means to suspend the upper casing from a stationary object, the upper casing having flanges, means to detachably attach the flanges of the upper casing to the lower casing, a flat link pivotally connected at the end to the upper casing for rotation in the plane parallel to the longitudinal axis of the casing, and a second flat link pivotally connected to the lower casing for rotation in the plane parallel to the longitudinal axis of the casing, the other ends of the links being pivotally connected together, the links being sufficiently long to support the lower casing with its end opposite the hinged end being downward inclined, the links being adapted to fold in the axial direction when the lower casing is raised and attached to the upper casing, the lower casing being thereby adapted to move only in the axial plane.

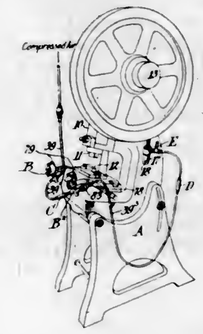
2,268,732
CONVERTIBLE FOOTSTOOL AND TABLE
Louis G. Walter and Frederick C. Koelle, Philadelphia, Pa.
Application February 14, 1941, Serial No. 378,906
2 Claims. (Cl. 155—43)



1. A convertible foot stool and table, compris-

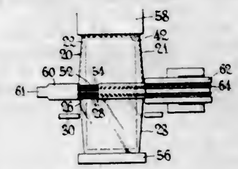
ing a standard, a leg supporting shelf hinged to the standard, means to lock said standard and shelf when they are at right angles to each other, a strip pivotally carried at the free end of the shelf, yielding means tending to move said strip towards the free end of the shelf, said strip when aligned with the shelf being flush with end portions of the shelf, said shelf being recessed to receive said yielding means, and a cover for said recess to conceal said yielding means.

2,268,733
PNEUMATIC SAFETY CONTROL FOR PRESSES
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 30, 1938, Serial No. 243,220
4 Claims. (Cl. 121—38)



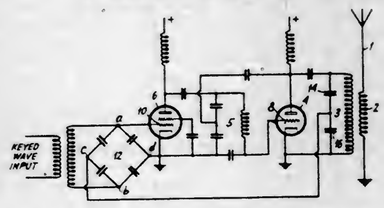
1. Pneumatic safety control means for operation of a press or the like comprising a fluid pressure responsive member and a pneumatic circuit having therein means adapted to permit the passage of only a surge of compressed air from a source to said fluid responsive member, said last mentioned means comprising at least three valves in series, two of which are manually unseatable and the third is a cut-out valve, each of the manually unseatable valves comprising a casing having therein a valve seat, a spring-seated check valve, an inlet and an outlet on opposite sides of the valve seat and a vent opening, means adapted to establish communication between the outlet and the atmosphere when the check valve is seated and shut off such communication when the check valve is unseated, the inlet of the first of said two manually unseatable valves being connected to the fluid supply and its outlet being connected to the inlet of the cut-out valve, the second of the manually unseatable valves having its inlet connected to the outlet of the cut-out valve and its outlet connected to the fluid pressure responsive member, and the cut-out valve comprising a casing having an inlet, an outlet and a spring-loaded normally unseated check valve therebetween adapted to permit only a surge of compressed air to pass through the casing and then seat to cut off said flow, such surge of compressed air through the pneumatic circuit from the source to the pressure responsive member being possible only when the manually unseatable valve connected to the outlet of the cut-out valve is unseated in advance of, or simultaneously with, the other manually unseatable valve.

2,268,734
METHOD AND MEANS FOR PACKAGING BEVERAGES
Earl W. Beck, Eggertsville, N. Y., assignor, by mesne assignments, of fifty-one per cent to AlnCin, Inc., a corporation of New York
Application July 1, 1938, Serial No. 217,111
2 Claims. (Cl. 215—1)



1. A drinking tumbler for beverages having a wall portion adjacent the mouth portion thereof of smooth form and reduced thin section for pleasing contact with the lips of the consumer of the beverage when drinking directly therefrom, lock means formed upon the outer wall surface of said tumbler and disposed beyond the reach of the lips of the beverage consumer, and a cover member for said tumbler having a portion adapted to seal the mouth of said tumbler in fluid tight relation and another portion adapted to extend around about the lip contacting portion of said tumbler and terminating at a position adjacent said integral lock forming portion, said lock means and the terminal edge portion of said cover being each provided with symmetrically opposed series of depressions, and tape means spanning said terminal edge portion and said lock means and having portions thereof pressed into said depressions so as to provide detachable means for linking said tumbler and said cover together in mouth closed relation.

2,268,735
SIGNALING SYSTEM
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Zehlendorf, Germany, a corporation of Germany
Application June 27, 1940, Serial No. 342,631
In Germany January 17, 1939
9 Claims. (Cl. 250—8)

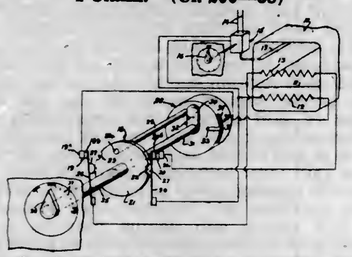


1. In a telegraphy system, a plurality of electron discharge tube amplifiers having input and output electrodes connected in high frequency input and output circuits coupling said tubes in cascade, means for impressing keyed high frequency wave energy on the input circuit of the first tube in said cascade, a load coupled to the output circuit of the last tube of said cascade, and means for feeding voltages of the natural frequency of operation of the output circuit of the last tube of said stage degeneratively to an electrode in a tube preceding said last tube during spaces in said high frequency wave energy to damp said system during spaces.

2,268,736
WATER-DISPERSIBLE VITAMIN-CONTAINING COMPOSITION AND COSMETIC INCLUDING THE SAME
Loran O. Buxton, Harrison, and Louis T. Rosenberg, Ridgefield Park, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 21, 1939, Serial No. 252,072
13 Claims. (Cl. 167—81)

10. A cosmetic emulsion comprising a substance selected from the class consisting of mucilaginous and oleaginous materials, a morpholine soap of a higher fatty acid and a vitamin A and D concentrate.

2,268,737
HEAT CONTROL SYSTEM AND MEANS
Gordon H. Brown, Detroit, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan
Application May 13, 1940, Serial No. 334,752
1 Claim. (Cl. 200—38)



In a heat control system, a manually rotatable cam having a pair of peripherally spaced detents formed thereon, a first switch including an arm normally urged into engagement with said cam and having a projection adapted to enter a detent in said cam to open the first switch, a second switch including an arm normally urged into engagement with said cam and having a projection adapted to enter a detent in said cam to open said second switch, said cam being manually movable cooperable with said first and said second switches, respectively, to effect the closing and opening, respectively, of a selected one of said switches, and being arranged rotatable in one direction to then close both of said switches, a timing mechanism including a rotatable shaft journaled in said cam, a one-way clutch connecting said cam with said timing mechanism and comprising an arm on said shaft and a pin on said cam movable in one direction of movement to engage said arm for winding of said timing means, means to limit movement of said arm in said one direction, said cam being rotatable in said one direction to effect closing of both of said switches, said arm being engageable with said pin to drive said cam in an opposite direction of movement, and means to limit movement of said arm in the opposite direction of driven movement to result in the opening of only one of said switches by said cam.

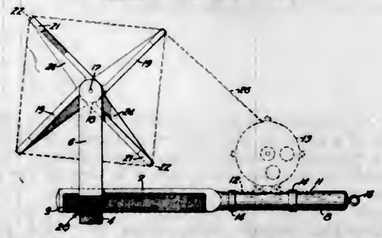
2,268,738
STRAP BUCKLE
Joseph C. Chenette, Flat Rock, Mich.
Application March 8, 1940, Serial No. 322,876
5 Claims. (Cl. 24—19)

5. A strap provided with a buckle of the class described for removing slack therefrom, said strap having a free end and an opposite end folded upon itself a short distance and stitched or riveted at intermediate points to define attachment and retainer slots therebetween, said buckle comprised of an elongated shank having transverse arms adjacent one end thereof defined as an eye, all disposed in a common plane, which is secured by its inner arm within the attachment slot of said strap thicknesses adjacent the outer end thereof, and the opposite end of the shank of said buckle terminated in a transverse arm disposed in a plane distorted



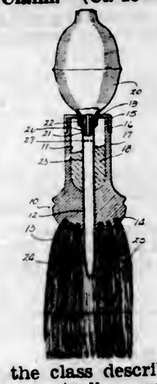
from the main body thereof, extended therefrom beyond the looped end of said strap, the transverse arm of the elongated shank of said buckle normally disposed beyond the outer end of said attachment loop in unlocked condition, and the eye of said buckle arranged to receive the free end of said strap and be pivoted thereabout in bight fashion when the last mentioned transverse buckle arm is rotated so as to be restrained in said retainer strap slot whereby the distortion imparted to said arm prevents accidental displacement therefrom.

2,268,739
LINE DRIER
Elvin Christiansen, Hayward, Calif.
Application October 29, 1940, Serial No. 363,276
1 Claim. (Cl. 242—104)



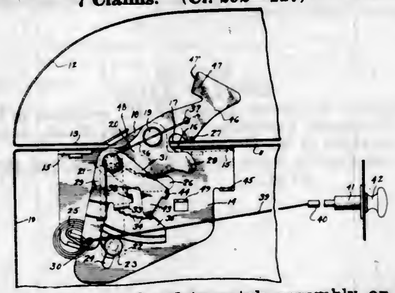
A line drier comprising a base having a shank extending from one side thereof and a stub extension alined with said shank and projecting from the other side of said base, said stub extension having a surface thereof forming with a surface of the base a notch in which the edge of a supporting member may be seated, a handle on and integral with said shank, said handle having therein a longitudinally extending groove in which the mounting flange of a fishing reel may be seated, rings encircling and slidable axially of said handle to positions overlying said mounting flange and groove so as to secure said mounting flange in the groove, spaced parallel arms rising from said base, said arms, base, handle and stub extension thereof being molded as an integral unit, an axle extending between and journaled in said arms, said axle having a portion thereof, extending beyond one of the arms, bent to form a crank by means of which said axle may be manually rotated, a hub concentric with and secured to said axle, spokes extending radially from said hub, each of said spokes having at its distal end a transversely extending head provided in one edge with a notch, the respective heads cooperating to form a drier rotor upon which line from said fishing reel may be wound, and said hub, spokes and spoke heads being molded as an integral unit.

2,268,740
NECK DUSTER
Dewey Cory. Dousman, Wis.
Application March 29, 1940, Serial No. 326,613
1 Claim. (Cl. 15—136)



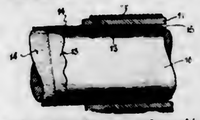
A brush of the class described, comprising a head having a centrally arranged passageway therethrough with the upper portion thereof enlarged to form a reservoir for powder, bristles secured in the lower portion of the head, a bulb secured to the upper portion of said brush head, and a feed tube fixed in said passageway and extending from the bulb to a point within the mass of said bristles, a constricted lower end on said tube, the said tube having a ring of apertures therein adjoining the bulb end of said reservoir to permit the passage therethrough of a mixture of air and powder.

2,268,741
AUTOMOBILE HOOD LATCHING MEANS
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 8, 1940, Serial No. 364,782
7 Claims. (Cl. 292—117)



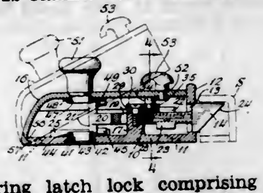
1. Latching and safety catch assembly on an automobile hood comprising a latch bolt within the hood normally holding the hood cover closed, safety catch means on said bolt held thereby in inoperative position when said cover is closed, means controlled from outside of said hood for effecting unlatching of said latch bolt and engagement thereof with the cover to effect a partial opening thereof and for effecting setting of said safety catch means to operative position to hold the cover against further opening movement, and means rendered effective by a partial closing movement of said cover after partial opening thereof for rendering said safety catch means ineffective so that said cover may then be moved to full open position.

2,268,742
VARIABLE INDUCTANCE DEVICE
Roger M. Daugherty, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application November 4, 1940, Serial No. 364,161
5 Claims. (Cl. 171—242)



1. A device for tuning a circuit, comprising, a magnetic core, a coil concentric therewith and disposed about the core, the core and coil being adapted and arranged for relative movement longitudinally of one another, and a layer of flocks disposed between the core and coil, said flocks forming a plush-like surface.

2,268,743
SPRING-LATCH LOCK
Morris Falk, Leominster, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application May 20, 1939, Serial No. 274,714
12 Claims. (Cl. 292—337)

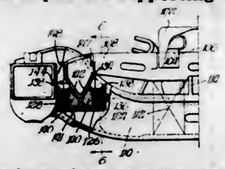


1. A spring latch lock comprising a frame member having means for fastening the same to a door and providing the primary means for holding the lock in position, a bolt slidably mounted on said frame member, a bolt retractor carried by said frame member, means for locking said bolt against movement carried by said frame member, said means being arranged to resist the stresses to which said bolt may be subjected, a cover adapted for superpositioning over said frame member and the parts carried thereby, a second bolt retractor carried by said cover, means for operating said bolt locking means, said second retractor and said bolt lock operating means being so disposed and contoured that when the cover is in place on said member they will engage parts carried by said frame member whereby they are enabled to perform their intended function, while when said cover is lifted directly away from said frame member, said second retractor and said bolt lock operating means will be disengaged from the aforesaid parts carried by said frame, whereby the cover member is relieved of the stresses to which said bolt may be subjected.

2,268,744
TRUCK
John E. Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 19, 1939, Serial No. 300,108
26 Claims. (Cl. 105—206)

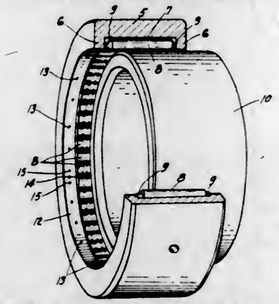
1. In a railway car truck, a side frame comprising a beam member of box section having integral journal boxes and pockets adjacent said journal boxes between the side walls of said member, a longitudinally extending rigid member superposed on said beam member having its ends seated

in said pockets, pedestal means formed on said beam member and serving as guide means for said superposed member, resilient means interposed between said beam member and said superposed member at intermediate spaced points, resilient pads within said pockets supporting the ends of



said superposed member, a load carrying member seated upon said superposed member and having thrust means engaging opposite sides thereof, and thrust means on said superposed member preventing longitudinal displacement of said load carrying member.

2,268,745
BEARING RETAINING MEANS
Harold Frauenthal, South Bend, Ind., and Stanley R. Thomas, Lyons, Mich., assignors to Bantam Bearings Corporation, South Bend, Ind., a corporation of Indiana
Application March 18, 1939, Serial No. 262,612
7 Claims. (Cl. 308—213)



1. A bearing assembly comprising a bearing race member having radially extending end flanges defining therebetween a bearing raceway, trunnion ended rollers in said raceway, said flanges having uninterrupted smooth cylindrical surfaces on the axial faces thereof, and retaining bands on said axial faces of said flanges comprising split band members of a width greater than the flange and of a length equal to the circumference of the face of the flange, each of said bands being wrapped about the face and located so as to overhang only said trunnion ends, said band members being spot welded at circumferentially spaced points and at the abutting ends to the axial faces of said flanges.

2,268,746
CORN AND CALLOUS PAD
Rolan J. Froyd, St. Paul, Minn., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application May 20, 1939, Serial No. 274,737
1 Claim. (Cl. 128—153)

A callous and corn pad comprising a foundation formed of a normally flat and imperforate strip of fabric having an adhesive adapted to carry a medicament applied to its under surface for direct application to an afflicted part and for adherence to the healthy tissue bounding the afflicted part, means on said foundation strip to protect the portion thereof over the corn against contact with the wearing apparel of the user and to carry pressure from wearing apparel to the healthy tissue bounding the corn, said means comprising upstanding and spaced opposed walls of substantial height seated on and secured



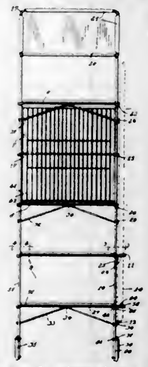
to said strip and disposed to normally overlie healthy tissue bounding the corn, said upstanding walls being of substantial width and being formed of cushioning material movable relative to said strip under pressure to discourage pinching of the healthy tissue when pressure is applied to the pad in use.

2,268,747
BATH MAT
Richard S. Gaugler, Dayton, Ohio
Application June 22, 1940, Serial No. 341,971
2 Claims. (Cl. 4—185)



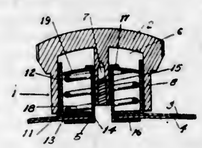
1. A bath mat comprising a peripheral loop formed of a spring-like material flexible throughout its length and foldable and twistable upon itself to form irregular shapes, a single sheet of porous and flexible textile material substantially covering the space bounded by said loop, and a trim strip formed of a textile fabric folded about said loop throughout the length thereof and having its ends stitched to said sheet and to each other.

2,268,748
DISPLAY RACK
Clarence S. Glenny, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application April 27, 1939, Serial No. 270,407
9 Claims. (Cl. 211—181)



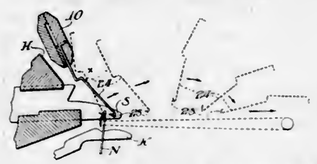
2. A foldable rack structure comprising a supporting frame having opposed uprights, shelves therebetween in vertically spaced relation, all adapted to fold into the plane of said uprights, pivots supporting said shelves on said uprights for pivotal movement of each about a transverse axis through portions of the shelves intermediate their free ends, said shelves having resilient marginal frames, and means providing inwardly directed supporting projections on said uprights on opposite sides of the pivots onto which the shelves are adapted to be engaged when swung to horizontal position, said shelf frames being adapted to be flexed inwardly to clear the projections in the final movement thereof to horizontal position and being adapted thereafter to spread outwardly over said projections to rest thereon.

2,268,749
WATCH STEM BUSHING
Charles B. Greenberg, New York, N. Y.
Application February 14, 1940, Serial No. 319,647
4 Claims. (Cl. 58—90)



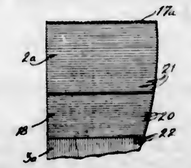
4. A bushing for a watch case and watch movement comprising a coiled spring, a first tube having two outward extending flanges and a second tube concentrically positioned about said first tube and having an inward extending flange located between the flanges of the first tube, and the said spring positioned between the tubes and between the inward extending and one of the outward extending flanges and functioning to cause compressive pressure between the other of the two flanges and the inward extending flange.

2,268,750
WELT HOOK
Alfred Hofmann, Palisade, N. J., assignor to Alfred Hofmann, Inc., West New York, N. J.
Application March 14, 1940, Serial No. 323,865
4 Claims. (Cl. 66—96)



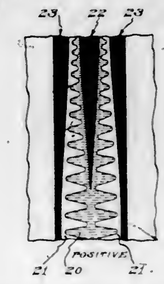
1. In combination with a series of knitting needles in a flat knitting machine, welt hooks for the needles adapted to engage and draw loops away from the needles and subsequently deposit said loops onto the needles, each of said hooks having a shank longitudinally engageable at one side with its associated needle and terminating with a hook end extending from its other side, the shank being adapted when in engagement with its associated needle for depositing the loop thereonto to move its hook end in a curvilinear path traversing the longitudinal plane of said needle, the hook end being disposed to extend at right angles to the length of the needle during said movement, whereby to slide out of said loop.

2,268,751
HOSIERY AND METHOD OF MAKING THE SAME
Dwight J. Harris, Philadelphia, Pa.
Application January 4, 1938, Serial No. 183,275
5 Claims. (Cl. 66—173)



1. The method of making stockings, comprising: weft knitting a fabric blank; folding a section of said blank walewise; securing one selvedge edge of the folded section to an intermediate portion of the blank; and knitting a leg fabric onto the free selvedge edge of said blank.

2,268,752
SOUND FILM RECORDING
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1940, Serial No. 353,351
5 Claims. (Cl. 274—46)



1. The method of making a sound record having a sound wave envelope record including the steps of making a negative sound record on film, treating the negative sound record film with a light sensitive dye, and removing the dye in the areas not occupied by the sound wave envelope.

2,268,753
JUICE EXTRACTOR
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 9, 1938, Serial No. 223,867
18 Claims. (Cl. 100—48)



4. In a juice extracting machine, a screw housing comprising a perforated screen, a juice expressing screw mounted within and extending axially of said housing, and means forming a restricted discharge outlet for the discharge of material from said housing, the groove of said screw being round bottomed at its receiving end

and becoming progressively shallower toward its discharge end, and the leading face of the screw thread substantially throughout the shallowest portions of the groove having at least a portion of its surface adjacent its rim steeply sloped so that the force exerted thereby on material passing along said shallowest portion of the groove is predominantly endwise.

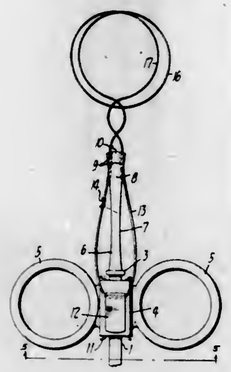
2,268,754
DERIVATIVES OF 4,4'-DIAMINODIPHENYL SULPHONE
Morris S. Kharasch and Otto Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application October 10, 1940, Serial No. 360,624
12 Claims. (Cl. 260—397.6)

1. Those derivatives of 4,4'-diaminodiphenyl sulphone in which a hydrogen atom of at least one of the two amino groups is replaced by a carboxylic acyl having the general formula:

—CO—R—COO—X

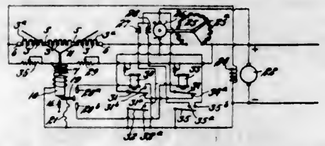
in which R is a divalent hydrocarbon radical having more than one carbon atom, and X is a positive ion.

2,268,755
LIGATURE TIER
Shu Fan Li, Hong Kong, China
Application May 1, 1939, Serial No. 271,044
1 Claim. (Cl. 128—326)



The method of tying a ligature about the end of a severed blood vessel that comprises forming an endless ligature into a pair of open loops adjacent each other at one of their sides and connected together at said sides by separate portions of the ligature in a manner for restricting the opening in one loop by pulling on the other loop; slidably supporting said portions in a guide element for axial movement of such portions; forming said one loop into a clove hitch in which said portions are continuations of the ends of said hitch; engaging the said other loop over a support movable in direction away from said guide element and clove hitch with such support extending through said other loop, positioning the clove hitch over such end of a blood vessel with the latter extending through the loops of the clove hitch and thereafter moving said support in said direction while holding the guide element adjacent said vessel and while maintaining said support extended through said other loop until the loops of the clove hitch are tightened about said vessel.

2,268,756
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application January 24, 1939, Serial No. 252,583
9 Claims. (Cl. 171—229)



1. Electric apparatus for controlling the voltage of a generator comprising an adjustable rheostat for controlling the field strength of the generator, a motor for adjusting said rheostat, a plurality of auxiliary resistance elements for also controlling the field strength of the generator, an electromagnet responsive to change of voltage of the generator adapted to move its movable element from its mid-position for increasing and decreasing respectively the number of said resistance elements in series with said rheostat, means controlled by said electromagnet for actuating said motor in one direction upon increasing the number of said resistance elements in series with said rheostat and for actuating the motor in the opposite direction upon decreasing the number of said resistance elements in series with said rheostat, and circuit connections controlled by said means for electrically braking said motor when said movable element is in its mid-position.

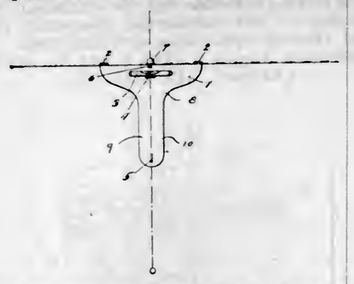
2,268,757
CONTAINER
Jacob G. Mark, Cambridge, and Francis W. Lanigan, Belmont, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application August 3, 1938, Serial No. 222,862
7 Claims. (Cl. 99—181)

1. A food package comprising a food product and a sheet metal container having at least the surface thereof which is in contact with the food product composed of an odor and taste free composition which contains a mixed lower aliphatic acid ester of cellulose and an acrylic resin.

7. A closure for foodstuff containers comprising a closure member and a lining covering all of that part of the closure member which is to come in contact with the foodstuff and consisting of an odor and taste free film containing an acrylic resin and a mixed lower aliphatic acid ester of cellulose.

2,268,758
SURVEYING INSTRUMENT
Harry Leroy Martin, Middletown Township, Monmouth County, N. J.
Application July 11, 1939, Serial No. 283,835
5 Claims. (Cl. 33—46)

5. A surveying instrument comprising tape holding means, a spirit level and sighting means comprising a multiple number of sighting elements positioned on a common sighting line normal to said spirit level, said tape holding means being positioned and adapted to hold a tape



therein substantially perpendicular to said sighting line.

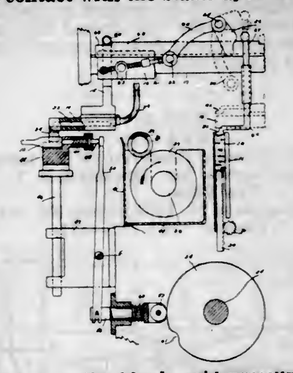
2,268,759
METHOD OF MAKING TILES
John N. Martin, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 29, 1939, Serial No. 270,746
7 Claims. (Cl. 18—48)



6. In the method of making a tough, resilient, weather and wear resistant tile, the steps comprising forming a moldable mass including fibers in interlaced relation held together by a thermoplastic binder, forming the mass in a sheet in which the majority of the fibers in each sheet extend in the direction of sheeting, turning said sheet at an angle to the direction of sheeting, and entangling the fibers by changing the direction of at least some of such fibers.

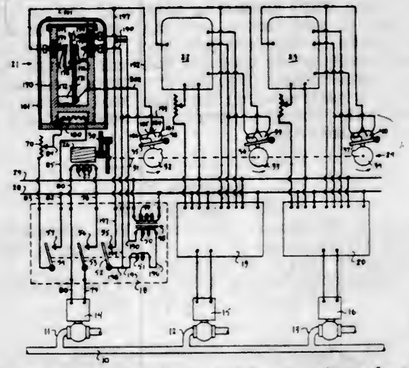
2,268,760
LABELING MACHINE
John A. McConnell and Horace G. Breier, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
Application April 15, 1940, Serial No. 329,684
4 Claims. (Cl. 216—55)

1. A labeling machine comprising a hopper for containing a supply of labels, a holder for holding a blank upon which the label is to be affixed, transfer means for conveying a label from said hopper to a blank in said holder, said transfer means including a rigid member for holding a label in contact therewith during the conveying operation and a pressure-exerting means for exerting a uniform pressure on the surface of the label in contact with the blank upon the locating



of the label on the blank, said pressure-exerting means comprising a resilient yieldable material.

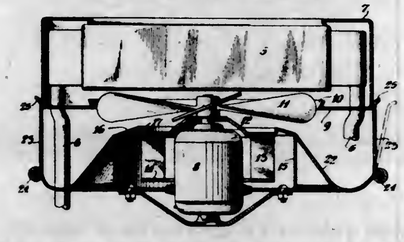
2,268,761
ZONE TEMPERATURE CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 11, 1938, Serial No. 218,578
17 Claims. (Cl. 236—46)



5. In a control system for a temperature changing system conditioning a plurality of zones and having a source of temperature changing fluid and means for supplying temperature changing fluid to the various zones, the combination of, valve means for each zone for controlling the supply of temperature changing fluid to its associated zone, electrical means for opening and closing the valve means including an operating coil and a maintaining switch which is closed when the valve means is opened, thermostatic means for each zone and including a pair of switches sequentially closed upon a temperature change in one direction, electrical connections for each zone between the second to close switch and the operating coil for opening the valve means of that zone and electrical connections for each zone between the first to close switch, the maintaining switch and the operating coil to maintain the valve means of that zone open until the first to close switch opens, normally closed time operated switching means associated with each zone and sequentially operated with respect to the various zones, and means for including the normally closed time operated switch-

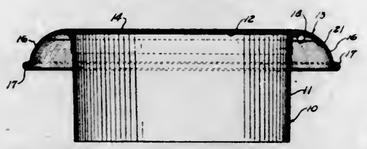
ing means in the last mentioned electrical connections for closing the valve means at predetermined intervals if the second to close switch is not closed, whereby the closing of the valve means is staggered and desired temperatures are maintained in each zone.

2,268,762
HEATER
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application June 29, 1937, Serial No. 150,962
7 Claims. (Cl. 257—137)



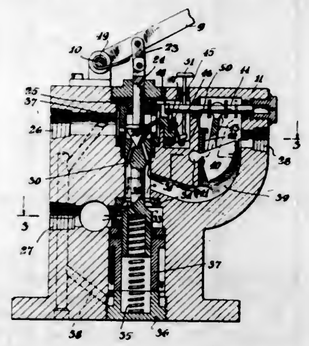
1. An apparatus of the character described, including, in combination, a heat transfer core, a motor shaft disposed to the rear of the same, a blower wheel secured to said shaft, a casing including walls enclosing said wheel, a duct also including walls extending from said casing walls certain of said casing and duct walls extending substantially adjacent said core, and one of said latter walls being provided with an opening and said blower wheel drawing air through said core and discharging such air into said casing and duct, said opening permitting auxiliary air to flow into said duct.

2,268,763
MILK CAN COVER
Henry F. Millmann, Milwaukee, Wis., assignor to Geuder Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 20, 1939, Serial No. 285,467
2 Claims. (Cl. 220—42)



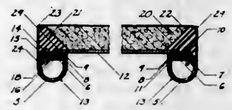
1. A milk can cover comprising a shell-like body in the form of an inverted cup, an umbrella top having a flat top plate engaged with and welded to the adjacent end wall of the shell-like body and also having a rim curved downwardly and outwardly and terminating in an outwardly rolled bead, and a fillet in the form of a reinforcing and connecting ring disposed in the interior angle between the periphery of the body and the rim of the top and having a cylindrical portion terminating within the confines of said rolled bead and press-fitted on the body and also having a curved flange-like portion providing a smoothly curved surface between the body and the rim and engaged flush against the under side of the rim of the top, and a continuous weld between the margin of said flange-like portion and the under side of the top.

2,268,764
HYDRAULIC CONTROL
Conrad Gerhard Moller, 3rd, New Canaan, Conn., assignor to The Acrotorque Company, Cleveland, Ohio, a corporation of Connecticut
Application August 5, 1939, Serial No. 288,494
8 Claims. (Cl. 137—153)



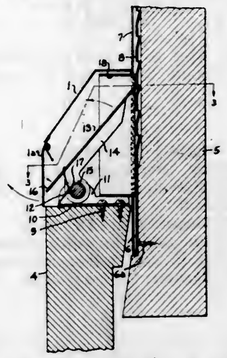
8. A hydraulic control including a body formed with inlet and outlet openings and passages connecting said openings, a valve interposed within said passages, means for urging said valve to closed position whereby, to obstruct the flow of liquid from said inlet to said outlet opening, means whereby said valve may be shifted to opened position, means for automatically maintaining said valve in such open position, a member movably mounted by said body and furnishing an orifice through which liquid will flow when said valve is in unseated position, the area of said orifice varying according to the position of said member and substantially in direct proportion to the volume of flow per unit of time from the inlet to the outlet opening, means for connecting said member with said maintaining means to render the latter inoperative upon said member moving in a predetermined direction and said member moving in such direction upon a sufficient diminution in the volume of liquid flow per unit of time occurring from said inlet to said outlet opening.

2,268,765
METHOD AND MEANS FOR SECURING UPHOLSTERY MATERIAL
Benjamin F. Monroe, Chicago, Ill., assignor to Tropic-Aire, Incorporated, Chicago, Ill., a corporation of Delaware
Application July 24, 1940, Serial No. 347,141
12 Claims. (Cl. 155—184)



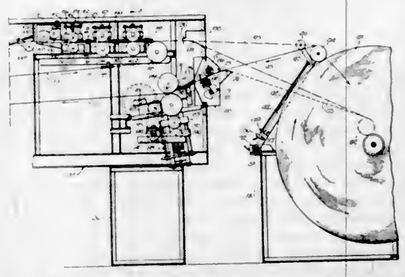
11. A seat having a back composed of an arched frame providing two legs, a back cloth bridging and secured to the legs, cushioning material on the back cloth, finishing material laid upon the cushioning material and having portions brought outwardly and around and then rearwardly and to the inner sides of said legs and tucked between said legs and said back cloth, said legs having projections engaged by said finishing material, as so tucked.

2,268,766
WINDOW LOCK
Richard Monroe, Houston, Tex.
Application July 20, 1940, Serial No. 346,465
3 Claims. (Cl. 292—228)



1. A window lock comprising a housing adapted to be secured to a movable window sash, a dog pivotally mounted within the housing, yieldable means normally holding the free end of the dog projected from the housing into position to engage with a fixed ratchet to lock the sash against movement in one direction, said dog being mounted to allow movement of the sash in the other direction, an approximately rectangular guard in the housing and having a sliding connection with the ratchet and through which the dog works, said guard being arranged to prevent access to the engaging end of the dog.

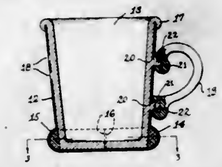
2,268,767
TROUSER GUARD MACHINE
Lawrence A. Moore, Elkhart, Ind., assignor to American Coating Mills, Inc., Elkhart, Ind., a corporation of Indiana
Application September 23, 1940, Serial No. 357,847
12 Claims. (Cl. 93—1)



1. In a machine of the character described, a printing unit, means for optionally enabling and disabling said unit, slitting rolls, and means for alternatively feeding strip material to said slitting rolls only and to said printing unit and thence to said slitting rolls.

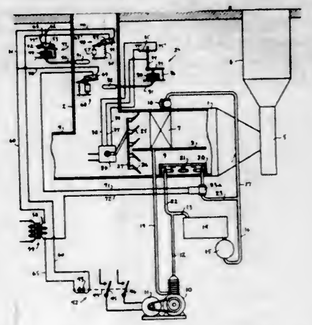
2,268,768
FOOD RECEPTACLE FOR CHILDREN
George B. Nathanson, Brookline, Mass.
Application August 11, 1937, Serial No. 158,497
4 Claims. (Cl. 18—59)

2. A composite receptacle comprising an outer shell of a relatively thin precious metal, an inner receptacle member of plastic material, the inner walls of said outer shell firmly engaging the outer walls of said inner receptacle member, said shell



being perforated, said plastic material extending through said perforation to form a handle-attaching projection, and a handle secured to said projection.

2,268,769
AIR CONDITIONING SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 6, 1939, Serial No. 272,164
10 Claims. (Cl. 62—6)

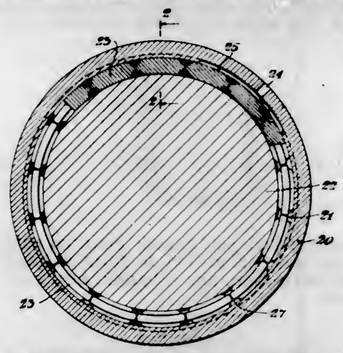


2. In an air conditioning system for a space, in combination, a conditioning chamber through which air flowing to said space is passed, a cooling and dehumidifying device in said chamber for cooling and dehumidifying said air, a by-pass passage around said cooling and dehumidifying device, damper means for varying the proportions of air flowing through said cooling and dehumidifying device and through said by-pass, a humidifier located in said by-pass, means responsive to space temperature for controlling said damper means and means influenced by space humidity for controlling said humidifier.

2,268,770
BEARING
Elias Orshansky, Jr., University Heights, Ohio, assignor to The Acrotorque Company, Cleveland, Ohio, a corporation of Connecticut
Application March 8, 1940, Serial No. 322,869
5 Claims. (Cl. 308—73)

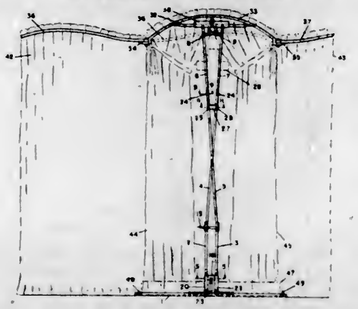
1. A bearing including an annular member, an annular series of elements associated with and to bear against said member, each of said elements being of arcuate configuration and to have their inner faces enclose and contact a second annular member, means whereby, under rotation of said members, said elements are caused to assume positions at tangents to the surfaces of at least one of said members and projecting portions ex-

tending from the sides and forming a part of each of said elements and also extending beyond the



front and rear edges of the same to engage corresponding portions on adjacent elements.

2,268,771
COLLAPSIBLE DRAPE STAND
Leonard R. Peer, Cleveland, Ohio, assignor to The Aetna Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 19, 1940, Serial No. 319,723
10 Claims. (Cl. 45—106)



1. A support for curtains and the like comprising a base, a column, and a curtain supporting cross member carried by said column, said column comprising a lower section of two substantially vertical members of equal length pivotally mounted on said base, a central section of two pivotally connected crossed members ends of which are pivotally joined to the respective upper ends of said lower section members, locking means operative to prevent spreading of the ends of said crossed members, and an upper section comprising two members pivotally joined to respective upper ends of said crossed members, said members of said upper section being pivotally connected with said curtain supporting cross member.

2,268,772
METHOD OF MAKING RING TRAVELERS
Eric Gilbert Peterson, Riverside, R. I., assignor to Victor Ring Traveler Company, a corporation of Rhode Island
Application July 19, 1935, Serial No. 32,266
Renewed July 25, 1939
7 Claims. (Cl. 29—171)

1. The method of forming a traveler from a length of wire, comprising bending the wire to the desired shape and then deforming the cross-



section of the wire to relieve or rearrange some of the strains placed therein by bending.

2,268,773
RING TRAVELER
Eric G. Peterson, Riverside, R. I., assignor to Victor Ring Traveler Company, a corporation of Rhode Island
Original application July 19, 1935, Serial No. 32,266. Divided and this application August 3, 1937, Serial No. 157,091. Renewed May 26, 1939
8 Claims. (Cl. 57—125)



1. A traveler comprising a shank of wire with curvatures at both ends of the shank and of a shape to extend about the edges of a ring for guiding yarn within said curvatures, a portion of the wire having greater thickness than width in the plane of its curvatures.

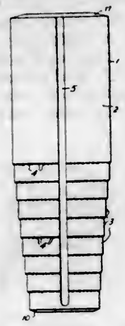
2,268,774
BICYCLE LAMP SUPPORT
Wilber P. Peterson, Kansas City, Mo.
Application March 22, 1941, Serial No. 384,682
1 Claim. (Cl. 240—58)



In a bicycle lamp support, in combination with a bicycle steering post having downwardly extending fork arms, a convex-concavo front wheel fender between said arms, and means for fastening said fender to the lower end of said post, of a channel shaped bracket having a rear portion between said fender and said post, the flanges of said bracket extending downwardly and engaging the convex upper side of said fender at opposite sides of the medial line thereof, said fastening means holding said fender, bracket and post clamped tightly together, said bracket forward of said post having means adapted to engage with and support a lamp.

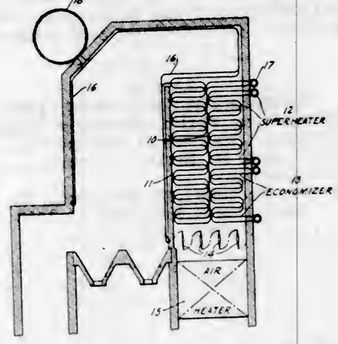
2,268,775
DRILL BIT
Medord Joseph Potvin, Siscoe, Quebec, Canada
Application May 29, 1940, Serial No. 337,749
6 Claims. (Cl. 255—72)

1. In a drill, a generally cylindrical bit having a single plane cutting face on its lower end and a plurality of inwardly directed and downwardly converging steps on its outer side surface adjacent said lower end, the lower faces of said steps being disposed at right angles to the longitudinal axis of the bit and being relatively narrow, the side faces of said steps being relatively wide, said



lower faces constituting axially spaced annular cutting faces, and diamonds set in said cutting faces.

2,268,776
REGULATION OF SUPERHEAT AND FEED WATER TEMPERATURES
Pierre Frederic Pourchot, Belfort, France, assignor to The La Mont Corporation, New York, N. Y.
Application March 6, 1941, Serial No. 381,992
In Germany November 24, 1939
1 Claim. (Cl. 122—480)



A steam generator having an offtake duct for flue gases; steam generating tubes arranged to form a solid wall dividing said offtake duct to form two parallel gas passes; a superheater and an economizer located in one pass; steam generating elements disposed in the other pass; and damper means for controlling gas flow in said passes.

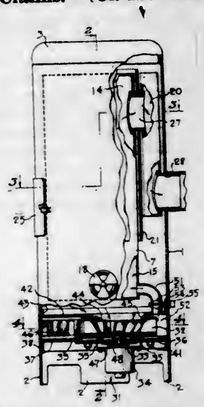
2,268,777
SURGICAL PAD
William M. Schell, Chicago, Ill.
Application August 5, 1938, Serial No. 223,156
1 Claim. (Cl. 128—153)

A foot corrective appliance embodying a combination two-purpose structure including a surgical pad having a substantially egg or heart-shaped bounding contour to fit intimately on the plantar surface of a foot in the region of the metatarsal arch with the broader end of the pad towards the toes and the narrower end towards the instep, said pad embodying a cushioning member capable of supporting the metatarsal arch, and a bottom member on said cushioning member having an adhesive surface for direct



adherence to the foot of a user, said bottom member having an opening therein for the reception of an affliction in the general nature of a callous, and said cushioning member overlying said opening.

2,268,778
SPACE HEATER
George M. Schueder and Eugene F. Farrell, Detroit, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 1, 1939, Serial No. 259,094
35 Claims. (Cl. 126—67)



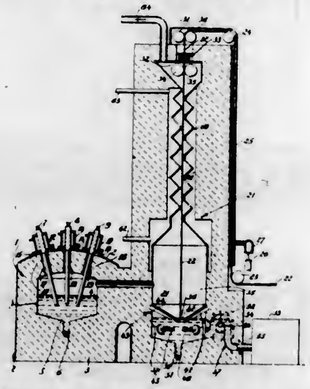
1. A unit space heater comprising an upright, floor-supported cabinet containing a combustion heating unit and a contiguous, downwardly-extending passageway for heating air to a high temperature, said cabinet and passageway having an upper air opening and having a lower, lateral air opening communicating directly with the room adjacent but safely above its floor, and fan means in the lower part of said cabinet and passageway discharging substantially horizontally directly from its blades to and out through said lower opening directly into the room so that when said fan means is running it will pull air down through said upper opening and said passageway and discharge this high temperature air out said lower opening substantially horizontally and close to but safely above the room floor to prevent objectionable overheating to the floor close to the heater and, when said fan means is not running, air will rise up by thermal convection through said lower opening and said passageway and out said upper opening.

2,268,779

METHOD FOR THE RECOVERY OF METALLIC MAGNESIUM FROM MIXTURES OF ELEMENTAL MAGNESIUM AND CARBON MONOXIDE, PRODUCED BY THE CARBONIFEROUS REDUCTION, AT HIGH TEMPERATURES, OF MAGNESIUM OXIDE

William C. Seifert, Narberth, Pa., assignor to Electric Heating Equipment Company, Philadelphia, Pa., a corporation of Delaware

Application January 30, 1941, Serial No. 376,602
3 Claims. (Cl. 75—67)



1. Method of separating elemental magnesium from gaseous equilibrium mixtures produced by subjecting magnesium oxide and carbon to a reducing temperature which comprises continuously and downwardly advancing solid magnesium while conducting the equilibrium mixture upwardly and counter-currently in contact therewith the rate of advance being such that a solid magnesium so advanced melts progressively at least in part adjacent its lower end in contact with said equilibrium mixture.

2,268,780

WATER-SOLUBLE SULPHAPYRIDINE DERIVATIVE AND PROCESS OF MAKING IT

Horace A. Shonle, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application November 6, 1939, Serial No. 303,023
3 Claims. (Cl. 260—211)

1. An aqueous solution of the reaction product of sulphapyridine with an aldose selected from the class which consists of xylose, d-arabinose, l-arabinose, rhamnose, galactose, glucose, and maltose, said solution having a pH between 7.0 and 7.6.

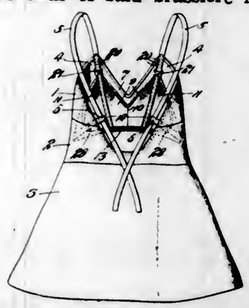
2,268,781

BATHING GARMENT

Abraham Slotoroff, Brooklyn, N. Y.

Application December 18, 1940, Serial No. 370,622
4 Claims. (Cl. 2—67)

4. A lady's bathing garment having a bust portion, a pair of shoulder straps anchored to the upper edge of said bust portion at points spaced across the front of the garment, a brassière-forming portion at the inner face of said bust portion, a pair of training loops for said straps anchored to said bust portion at points outward of the opposite ends of the lower edge margin of said brassière-forming portion and in substantial alignment with said margin, releasable and adjustable fastening connections between the brassière-forming portion and the anchorages of said straps and each including a strip of flexible material borne by one of said garment portions and having a plurality of keeper recesses spaced in succession lengthwise of the adjacent strap and a fastening element borne by the other of said garment portions and releasably engageable with said recesses selectively, and releasable and adjustable fastening connections between the ends of said brassière margin and



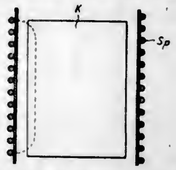
the anchorages of said loops to the bust portion and each including a strip of flexible material borne by one of said garment portions and having a plurality of keeper recesses spaced inward in succession from the adjacent training loop and a fastening element anchored to the other of said garment portions and releasably engageable with the last-mentioned keeper recesses selectively, the brassière being adjustable for fitting it to the body of the wearer by adjustment of said connections and being removable from the garment upon release of said connections.

2,268,782

HIGH FREQUENCY IRON CORE

Hermann Stier, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 12, 1939, Serial No. 308,813
In Germany November 25, 1938
2 Claims. (Cl. 175—21)



1. A core for a high frequency inductance device composed of compressed finely divided magnetic material mixed with a semi-conducting binder, said binder being composed of insulation material mixed with finely divided carbon.

2,268,783

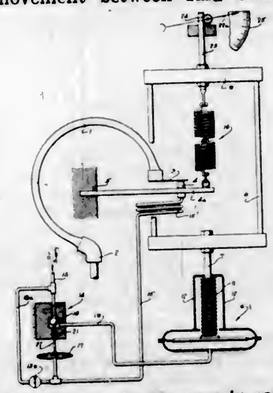
INDICATING APPARATUS

Malcolm C. Tate, Stamford, Conn., assignor, by mesne assignments to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application March 17, 1939, Serial No. 262,507
6 Claims. (Cl. 265—12)

1. In combination, a pressure responsive Bourdon tube member freely movable in response to pressure changes, a servo-motor, indicating

means operated by said servo-motor, and means for controlling said servo-motor in accordance with pressure changes in said pressure responsive member including air jet and baffle elements one of which is carried by said movable member so as to be freely movable therewith and the other of which is connected to and moved by the power of said servo-motor in response to relative movement between said elements oc-



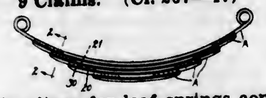
casioned by a change in pressure in said responsive means whereby movement of said servo-motor continues until a predetermined relation is established between said air jet and baffle elements, the connection of said servo-motor to said other element including yieldable extensible means whereby said servo-motor and indicating means operated thereby have a relatively large movement for each increment of relative movement between the jet and baffle.

2,268,784

VEHICLE SPRING LINER

Tom H. Thompson, Akron, Ohio

Application August 25, 1939, Serial No. 291,911
9 Claims. (Cl. 267—47)



1. A spring liner for leaf springs comprising a strip of fibrous, relatively non-compressible material having a width substantially the width of the leaf springs between which the liner is adapted to be placed, and a section of relatively compressible material joined to said elongated strip of relatively non-compressible material and in planular relation thereto, and means securing the two sections together comprising a lamination of non-compressible material, whereby when the liner is placed between the spring leaves in final assembly, the compressible sections of the spring liner together with a lamination of non-compressible material will be disposed adjacent to and at the ends of the respective spring leaves comprising the assembly.

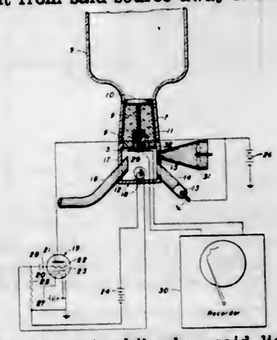
2,268,785

DEW POINT RECORDER AND INDICATOR

Charles Warren Thornthwaite, Arlington, Va.; dedicated to the free use of the People in the territory of the United States

Application June 13, 1941, Serial No. 397,864
1 Claim. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A device for determining the changes in moisture conditions of a gas comprising a source of cold, a heat-conductible rod having one end in contact with said source, a plate having a light-reflecting surface normally contacting the other end of the rod, means for measuring the temperature of said plate, a source of light, a light-sensitive element, said reflecting surface reflecting light from said source away from said light-



sensitive element while dry, said light-sensitive means being disposed so as to receive light reflected from said reflecting surface when moisture has precipitated thereon, an electrical heating element near said plate, an amplification tube controlled by said light-sensitive element and means controlled by said amplification tube for actuating said heating element only when light is incident on said light-sensitive element.

2,268,786

PROCESS FOR REFINING FATTY COMPOUNDS

Willem Johannes Dominicus van Dijck, The Hague, Netherlands

No Drawing. Application May 20, 1940, Serial No. 336,221. In the Netherlands June 9, 1939
9 Claims. (Cl. 260—426)

1. In a process of refining an ester type oil containing free fatty acid by neutralization of said acid with ammonia and multi-stage countercurrent extraction with aqueous isopropyl alcohol, the improvement which comprises introducing into the first extraction stage in which the oil is first contacted with said alcohol an amount of ammonia approximately equivalent stoichiometrically to the free acid content of said oil and into the last extraction stage from which refined oil is recovered an additional amount of ammonia between about 10% and 40% of the amount added in the first stage.

2,268,787

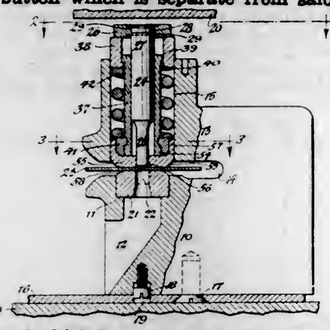
SHEET METAL PERFORATING APPARATUS

George F. Wales, Buffalo, N. Y.

Application February 17, 1941, Serial No. 379,185
6 Claims. (Cl. 164—124)

1. A punching unit for use in connection with a sheet material perforating apparatus having a holder, a die mounted on the lower part of the holder and a guide opening in the upper part of the holder, said punching unit being arranged in said opening and including a punch having a vertical body arranged in the center of said opening and terminating at its lower end in a bit and provided at its upper end with a head, a guide sleeve in which said body slides, a lower collar swaged on the lower end of said sleeve, an upper collar slidable on the upper part of said sleeve and limited in its upward movement thereon and

engaged by said head, a spring interposed between said lower and upper collars, and a lower guide button which is separate from said lower



collar and which has a central guide opening receiving said bit and slidingly engaging its periphery with the bore of said opening in the holder.

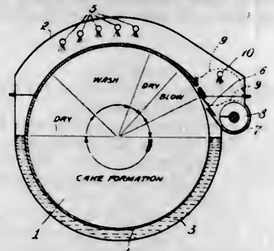
2,268,788

METHOD OF OPERATING WAX FILTERS

Walter E. Wanner and David F. Renshaw, Olean, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application February 24, 1939, Serial No. 258,204

4 Claims. (Cl. 196—19)



1. The method of removing wax from oil in a closed continuous filter which comprises the steps of forming and washing a wax filter cake upon a travelling surface within the filter chamber, dislodging said cake and scraping it into a mechanical conveyor and spraying said cake on said scraper and in said conveyor with wash liquid to facilitate the movement of the wax in the conveyor.

2,268,789

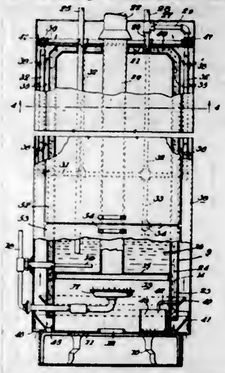
COMBINATION WATER AND ROOM HEATER

Oscar G. Watt, Tulsa, Okla.

Application June 22, 1939, Serial No. 280,639

5 Claims. (Cl. 237—16)

1. In an individual room heater for small dwellings comprising a domestic hot water heater having an upstanding round hot water tank, an insulated jacket cooperating with the outer periphery of the tank, an angular casing having a wall cooperating with the outer periphery of the jacket to form an air passageway, hot water conducting means having heat conducting portions arranged in said passageway, said means being operatively connected to the tank to cause circulation of hot water from the upper portion of the tank to a lower portion thereof, thermal web means connected to the heat conducting portions of said means and arranged in said passageway, means for admitting cold air into the lower end of said passageway, means provided in the web to cause



rising air to pass through the web and toward the heater, and means for discharging hot air from the upper end of said passageway.

2,268,790

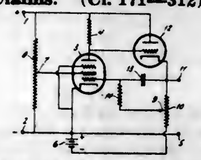
VOLTAGE STABILIZING DEVICE FOR ELECTRIC SUPPLY SYSTEMS

Eric Lawrence Casling White, Hillingdon, and Hugh Lyon Mansford, Ickenham, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application May 27, 1939, Serial No. 276,252

In Great Britain June 1, 1938

3 Claims. (Cl. 171—312)



1. In a voltage regulating system, a positive input terminal, a positive output terminal and a common negative terminal, a regulating tube having an anode, a cathode and a control grid, an output impedance device and a source of constant voltage direct current, means for connecting said output impedance between said positive output terminal and the negative terminal of said source, said common terminal being connected to the positive terminal of said source, means connecting the positive input terminal to said anode and the positive output terminal to said cathode, a control tube having an anode, a cathode and a control grid, an impedance device connected between said last named anode and said positive input terminal, means for connecting the control grid of said regulating tube to a point of said last named impedance device, means for connecting the control grid of the control tube to a point of said output impedance device, and means for connecting the cathode of the control tube to a point of said source which is positive with respect to the negative terminal thereof.

2,268,791

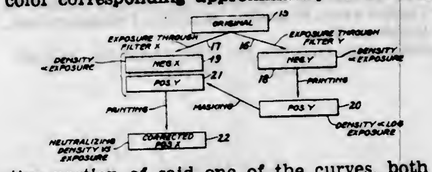
COLOR CORRECTION

John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 30, 1940, Serial No. 332,564

5 Claims. (Cl. 95—2)

1. In a process for the reproduction of a colored original, the method of making a color separation positive which comprises making a color separation negative of the original, the color corresponding approximately to the positive portion of one of the correct spectral sensitivity curves of a three-color additive process, marking a second color separation negative of the original the color corresponding approximately to the nega-



tive portion of said one of the curves, both of said negatives being made on photo-sensitive layers whose responses are substantially those in which density is a positive direct linear function of exposure, making a positive from the second negative on a photo-sensitive layer with ordinary response, and making a positive from the first negative masked by the positive made from the second negative.

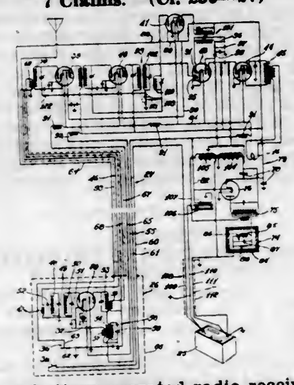
2,268,792

RADIO RECEIVER

Edward F. Andrews, Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original application April 8, 1933, Serial No. 665,074, now Patent No. 2,143,532, dated January 10, 1939. Divided and this application January 9, 1939, Serial No. 249,909

7 Claims. (Cl. 250—27)



1. In a battery operated radio receiver, a plurality of thermionic tubes each of which is provided with a filament having a pair of terminals, means for grounding one terminal of each of said filaments, a B-supply transformer having a primary winding and a secondary winding, a low voltage battery having two terminals, an interrupter for rendering the current from said battery transformable connecting said primary winding to said battery to form an interrupter circuit, means for grounding one side of said circuit, a housing in which all of the foregoing elements excepting the battery are located, means for grounding one of said battery terminals, said battery being located externally to said housing, conductive means connecting together the grounded terminals of said filaments, the grounded side of said interrupter circuit, and the grounded terminal of said battery, a conductor extending from the other side of said interrupter circuit to the ungrounded terminal of said battery, a separate conductor extending from the ungrounded terminals of said filaments to the ungrounded terminal of said battery, and a low resistance, high frequency choke coil in said last conductor.

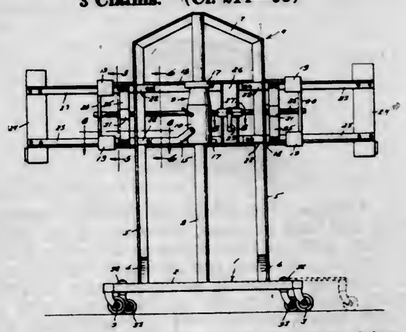
2,268,793

TRUCK

Bert Askeris, Kenosha, Wis.

Application March 28, 1941, Serial No. 385,763

3 Claims. (Cl. 214—95)



1. A truck for moving objects comprising a wheeled base, an inverted substantially U-shaped frame mounted on said base, a post extending between the base and an upper portion of the frame, a clamp mounted for vertical sliding adjustment on said post, horizontal rails mounted on said clamp, means slidably connecting said rails to the frame, arms mounted for longitudinal sliding adjustment on the rails, guides for said arms on said rails, jaws on the arms for receiving and securing an object therebetween, a screw shaft paralleling the rails and rotatably mounted thereon, means operatively connecting the arms to the screw shaft for actuation in opposite directions thereby, and means for rotating the screw shaft.

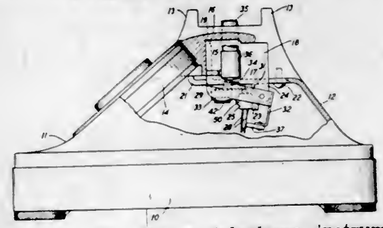
2,268,794

TELEPHONE SUBSTATION APPARATUS

Harry I. Beardsley, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1939, Serial No. 300,933

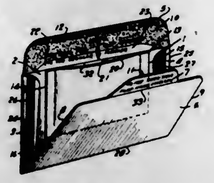
6 Claims. (Cl. 179—164)



1. A mounting for a telephone instrument comprising a casing having a portion for accommodating the telephone instrument, a plurality of laterally spaced sets of contact members within said casing, and means for sequentially actuating contact members of said sets in accordance with the placement of the telephone instrument upon said portion and removal thereof from said portion including a rockable member having an edge portion opposite said sets of contact members, said edge

portion having a plurality of stepped surfaces each opposite and adapted to engage a corresponding contact member of a set.

2,268,795
MONEY COMPARTMENT ENVELOPE
Eugene B. Berkowitz, Kansas City, Mo., assignor to Berkowitz Envelope Company, Kansas City, Mo., a corporation of Delaware
Application March 1, 1939, Serial No. 259,179
3 Claims. (Cl. 229—72)



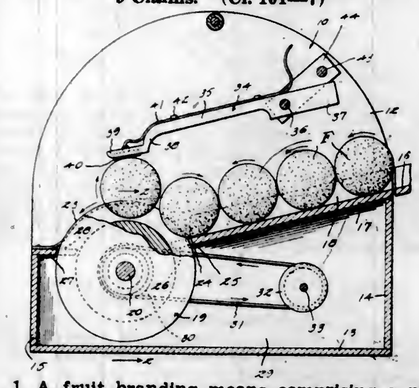
1. A money compartment envelope including front and back portions, side flaps on one of said portions and sealingly engaging the other portion to form an enclosure compartment having an insert opening extending along one edge thereof, a money pocket forming patch having side and bottom edges spaced from corresponding edges of the envelope and secured to the inner face of one of said portions with its upper edge substantially registering with said enclosure compartment insert opening and providing an insert opening to said money pocket, a flap for said money pocket, and a gummed sealing flap on one of said portions and foldable with said pocket flap to sealingly engage with the other of said portions and retain the pocket flap sealed between said portion and the sealing flap.

2,268,796
SECTIONAL DERRICK
Walter Brauer, Oklahoma City, Okla.
Application August 5, 1939, Serial No. 288,663
3 Claims. (Cl. 189—15)



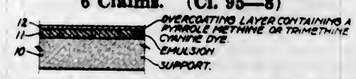
1. In a derrick comprising a base section, a plurality of upper sections of upwardly decreasing dimensions super-imposed one upon another and supported by the base section, a hinge connection provided at the top of the base section for securing the base section to an immediate upper section, a second hinge connection provided at the lower end of the base section for securing the base section to an immediate upper section, either one of said hinge connections acting as a hinge when the other one is uncoupled to allow optional pivotal movement of the upper sections with respect to the base section.

2,268,797
FRUIT BRANDING MACHINE
Elbert Breshear, Jr., McAllen, Tex., assignor to Tedder Fruit Branding Machine Company, Inc., McAllen, Tex.
Application October 15, 1940, Serial No. 361,307
9 Claims. (Cl. 101—7)

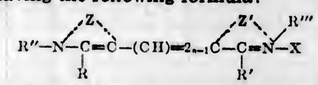


1. A fruit branding means comprising a pivoted brand carrier, a brand element fixedly carried by said carrier, an inclined runway beneath said carrier, and a fruit conveying wheel rotatably disposed beneath said element disposed on a horizontal axis and being formed throughout its upper edge with a circumferentially extending annular groove of V-shape cross section, a portion of said wheel being arranged at and extending above the lower end of said runway whereby an article of fruit will be rolling when received in said groove, elevated to a position for engagement with said element and simultaneously reversely rotated during rolling in said groove with respect to the rotation of said wheel.

2,268,798
PYRROLE METHINE AND TRI-METHINE CYANINE BACKING DYES
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 7, 1940, Serial No. 317,727
In Great Britain February 17, 1939
6 Claims. (Cl. 95—8)

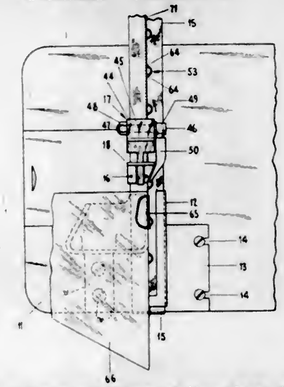


1. A photographic element comprising a sensitive layer and a light-absorbing layer containing a dye having the following formula:



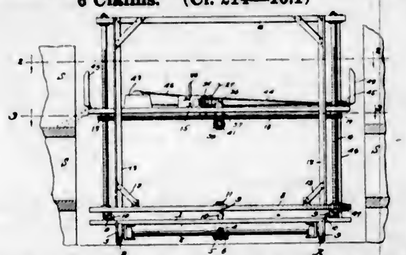
in which Z and Z′=the non-metallic atoms necessary to complete a pyrrol nucleus, and may be the same or different; R and R′=hydrogen, alkyl, or a chemical bond in a pyridine ring; R″ and R‴=hydrogen, alkyl, aryl, or a chemical bond of the same pyridine ring as R or R′; n=a positive integer of from 1 to 2; and X=an acid radical.

2,268,799
SEWING MECHANISM FOR STITCHING WIRE EYE FASTENERS
Abe Meyer Butow, New York, N. Y., assignor to Artistic Foundations, Inc., New York, N. Y., a corporation of New York
Application July 14, 1939, Serial No. 284,495
4 Claims. (Cl. 112—2)



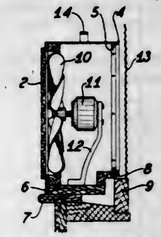
1. In a sewing machine of the class described for attaching a tape carrying eye fastener elements to a garment, comprising needles having vertical and horizontal movements and a feeding foot having a bifurcated front end portion and needle holes therein, and a presser-foot having a front extension mounted for motion inside said bifurcation; the improvement comprising an extension mounted in the rear of said presser-foot and extending forwardly at one side thereof, said sideways extension having angularly shaped teeth, said feeding foot adjoining said sideways extension being angularly positioned with respect to the direction of feed to permit the toothed portion of said sideways extension to closely approach one of said needle holes, said teeth being positioned so as to grip and retain one of said eyes against undesired displacement into the path of the descending needles, a gauge for guiding a strip of eye-bearing fabric to said needles and a cloth folder positioned in superposed relation over said gauge and being adapted for folding and directing a garment panel to said needles.

2,268,800
AUTOMOBILE PARKING APPARATUS
Oscar C. Butzien, Portland, Oreg.
Application August 16, 1940, Serial No. 352,970
6 Claims. (Cl. 214—16.1)



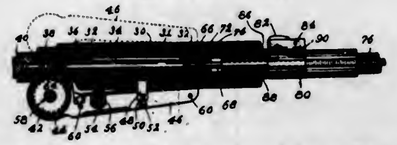
1. A car parking elevator including a track, a wheel-supported truck body mounted for movement along the track, a turntable mounted for rotation on and carried by the body, a shaft extending through the turntable and body and constituting a connection therebetween, feed screws extending upwardly from the turntable, guide rails extending upwardly from the turntable, a table mounted for movement along the rails, feeding means engaging the screws and carried by the table, a motor on the table, a driving element operatively connected to the motor, means on the shaft in the truck body and turntable for engagement and actuation by said element when the table is in lowermost position, a driving connection between said shaft and one of the wheels of the truck body, means operated by the motor for driving the screw-engaging means to raise the table and break the driving connection between said motor-driven element and the shaft.

2,268,801
PORTABLE FAN
Dave P. Carlton, Houston, Tex.
Application November 26, 1938, Serial No. 242,463
2 Claims. (Cl. 98—94)



1. A portable fan adapted to be used in conjunction with a screened opening comprising a substantially flat base adapted to rest on a windowsill, a standard mounted on the upper surface of said base, a motor carried by said standard, a fan carried by the shaft of the motor, having blades adapted to force a current of air forwardly with respect to said base, said standard being inclined rearwardly to such an extent as to place the center of gravity of the assembly to the rear of the geometrical center thereof to thereby press the assembly toward the screen, an open ended casing carried by said base and surrounding said fan, and means carried by the edge of the rear open end of said casing adapted to seal against a screen.

2,268,802
DRIVING MECHANISM
Samuel M. Coffman, Kansas City, Mo.
Application December 2, 1940, Serial No. 368,191
6 Claims. (Cl. 74—396)



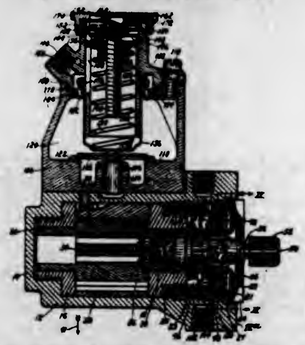
1. A driving mechanism comprising a handle, a shaft located in said handle, means for driving said shaft, a first gear fixed to said shaft, a second gear adapted to be driven by said first gear, a rotary member fixed to the second gear and adapted to drive a rotatable tool, and manually actuated controlling means in which the rotary member is journaled, said controlling means being operably mounted upon the handle and adapted to engage or disengage the second gear from the first gear.

2,268,803
FRUIT INSPECTION CONVEYER
John S. Cowl, Swoope, Va.
Application February 19, 1941, Serial No. 379,674
4 Claims. (Cl. 198—183)



1. An inspection table comprising a frame, a conveyer passing through said frame, said conveyer comprising a plurality of straight rolls and a plurality of rolls having reverse bends therein in the same plane, means for rotating said rolls, said reverse bend rolls and straight rolls being in alternate relation.

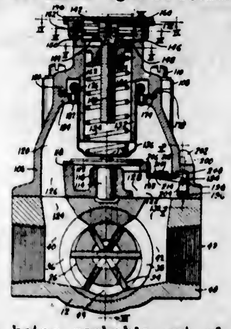
2,268,804
AIRCRAFT FUEL PUMP
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application July 13, 1939, Serial No. 284,263
10 Claims. (Cl. 308—36.2)



1. In a pump, a rotatable element, a bearing for said rotatable element, a hollow journal for said element extending through and beyond said bearing, a seal on the extended portion of said hollow journal for controlling leakage between said bearing and journal, means containing a leakage space around the outer end of said journal, and a second seal at the end of said journal for controlling leakage between said hollow and said leakage space.

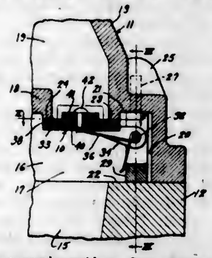
2,268,805
AIRCRAFT FUEL PUMP
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Original application July 13, 1939, Serial No. 284,263. Divided and this application March 4, 1940, Serial No. 322,203
6 Claims. (Cl. 74—509)

1. An adjusting and locking device comprising, a threaded member, an abutment nut threaded upon said member, said member having a headed portion provided at one end thereof with a peripheral flange and at its other end with a screw driver receiving slot, a locking bar rockably mounted within said slot and having an extended end, and a washer loosely disposed about said headed end and adapted to be fixedly held against rotation, said washer having a plurality of radially extending recesses on its inner periphery into any one of which said extended end of the locking bar may be inserted to hold said threaded member against rotation, and said



locking bar being rockable out of such recess upon the insertion of a screw driver into said slot to permit said threaded member to be rotated.

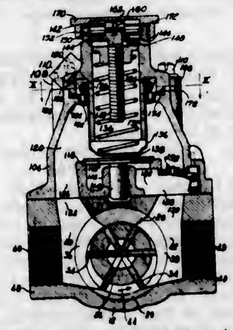
2,268,806
BY-PASS VALVE FOR AIRCRAFT FUEL PUMPS
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Original application July 13, 1939, Serial No. 284,263. Divided and this application March 15, 1940, Serial No. 324,103
6 Claims. (Cl. 251—125)



1. A valve construction for engagement with a seat separating fluid chambers comprising, a valve flap adapted to swing toward and away from said seat, a resilient facing on said flap having spaced holes therethrough, washers in said holes of smaller diameter than said holes but thicker than said facing, a plate resting on the top of said washers, rivets extending through the plate, washers and flap securing the same together, hinge ears on said flap, a supporting hinge frame, a hinge pin passing through said supporting frame and said ears, and resilient means normally urging said valve to a closed position on said seat.

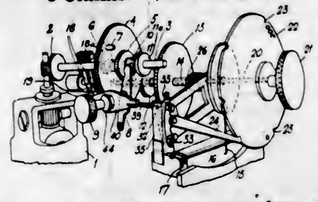
2,268,807
AIRCRAFT FUEL PUMP
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Original application July 13, 1939, Serial No. 284,263. Divided and this application March 8, 1941, Serial No. 382,315
3 Claims. (Cl. 103—42)

1. A diaphragm construction comprising a pair of spaced relatively movable members, a flexible diaphragm extending between the members and having legs adapted to roll against one of the members and away from the other member as



the members are moved relative to each other for maintaining the same exposed diaphragm area between the members for various relative positions of the members.

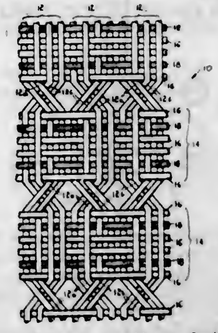
2,268,808
RECORDING DEVICE
Jack Ostins Davis, Portland, England, assignor to Henry Hughes & Son, Limited, London, England, a corporation of Great Britain
Application December 6, 1939, Serial No. 307,898
8 Claims. (Cl. 177—386)



1. In an echo-sounding recorder, a stylus, means providing a recording surface, a drive operable to effect relative cyclic movement between said stylus and said surface, signalling means including an actuatable element, actuating means operated by said drive to actuate said element in timed relation with respect to a predetermined point in said cyclic movement, means operable to change said drive from one constant speed to another constant speed, and means operatively associated with said last named means to effect a time correction relative to said predetermined point in the operating relation between said element and said actuating means when a change is made in the constant rate of speed of said drive.

2,268,809
WOVEN ELASTIC FABRIC
Louis De Roon, Ridgewood, N. J., assignor to Blue Bird Silk Mfg. Co. Inc., New York, N. Y., a corporation of New Jersey
Application October 27, 1938, Serial No. 237,268
6 Claims. (Cl. 139—419)

1. A woven fabric consisting of warp threads and weft threads, said weft threads being arranged in a plurality of groups, said groups being spaced from each other longitudinally of the fabric, said warp threads being interwoven with said weft threads, all of said warp threads being arranged in groups, each of said groups of warp threads consisting of a plurality of threads, each of said warp threads being crossed by a plurality of others of said warp threads in each of the spaces between adjacent groups of weft threads, the crossing portions of all of said warp threads extending laterally of the fabric in said spaces, and being arranged in groups, said groups of

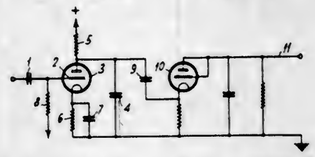


crossing warp thread portions being disposed laterally of each other in the direction of the weft of the fabric, said warp threads being inelastic and at least some of said weft threads in each group being elastic and stretchable and contractible in the fabric.

2,268,810
ASPHALT COMPOSITION
Folkert Dijkstra, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 2, 1940, Serial No. 322,012. In the Netherlands April 5, 1939
6 Claims. (Cl. 106—270)

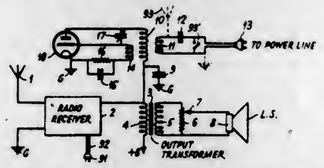
1. In the process of soil stabilization, the improvement comprising adding to an asphalt an amount of solid paraffin wax sufficient to materially increase its water repellency and to give it a wax content of from 2% to 10%, and combining the resulting product with water and an aggregate containing clay.

2,268,811
TELEVISION RECEIVER
David John Fewings and Roland John Kemp, Chelmsford, Essex, England, assignors to Radio Corporation of America, a corporation of Delaware
Application August 5, 1938, Serial No. 223,148
In Great Britain August 25, 1937
2 Claims. (Cl. 178—7.3)



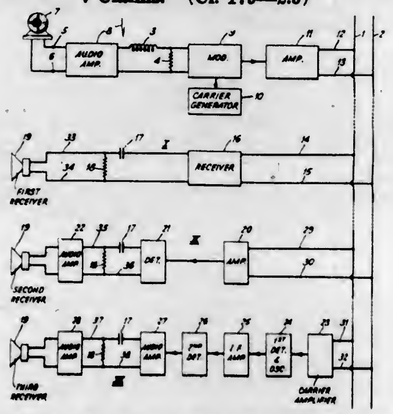
2. In a television receiver wherein signals of predetermined amplitude are received intermittently, indicating the level of the transmitted carrier, the method of developing automatic-volume-control signals which comprises the steps of storing electrical energy, discharging said energy by said signals, and controlling the amount of discharge by the amplitude of said signals, rectifying said stored energy and utilizing the rectified energy for automatic-volume-control purposes.

2,268,812
PROGRAM DISTRIBUTION SYSTEM
Dudley E. Foster, South Orange, N. J., and Arthur F. Van Dyck, Yonkers, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application January 4, 1939, Serial No. 249,202
6 Claims. (Cl. 250—20)



1. In a signalling system, the combination with a main radio receiver the operating controls of which are adapted to be operated by means of characteristic control signals transmitted to the receiver from a remote point, of a transmitter connected with the main receiver for transmitting a carrier modulated in accordance with signal energy characteristic of the program received by the receiver, a control signal generator and transmitter adapted to be located at a remote point for generating and transmitting control signals for controlling the operation of the receiver and an auxiliary receiver at said remote point for receiving the modulated carrier transmitted by the transmitter connected with the main receiver, said auxiliary receiver including a demodulator device for demodulating the received modulated carrier to derive the signals therefrom.

2,268,813
HUM REDUCTION CARRIER SYSTEM
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1941, Serial No. 400,204
7 Claims. (Cl. 179—2.5)

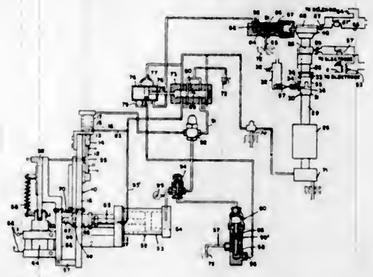


1. In a carrier current transmission system operable over an alternating current power supply line, a transmitter connected to said supply line, said transmitter including signal modulating means, a receiver for reproducing the signal modulations of said carrier connected to the power supply line, a network, interposed between the modulating source and the transmitter, arranged to increase the modulation of low frequencies with respect to the modulation of the higher frequencies and a compensating network interposed between the detector of the receiver and the reproducer thereof.

2,268,814
ANTHRAPYRIDONE COMPOUND AND MATERIAL COLORED THEREWITH
Gordon F. Frame, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 25, 1940, Serial No. 358,285
12 Claims. (Cl. 260—278)

1. Anthrapyridone compounds selected from the group consisting of sulfonated and unsulfonated anthrapyridone compounds containing a member selected from the group consisting of hydrogen and an alkyl group in the 1-position, a member selected from the group consisting of a phenoxy and a naphthoxy group in the 2-position and a phenylamino group in the 4-position of the anthrapyridone nucleus, said anthrapyridone compounds containing no other substituents in addition to those specified above.

2,268,815
WELDING EQUIPMENT
Russell A. Funk, Pleasant Ridge, Mich.
Application June 17, 1940, Serial No. 341,037
11 Claims. (Cl. 29—33)

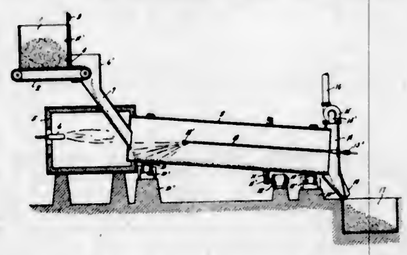


1. In welding equipment, a pair of electrodes relatively movable into engagement with the parts to be welded together and arranged in an electric circuit, means for relatively moving the electrodes into and out of engagement with said parts, a switch in said welding circuit, means for closing and opening the switch during the time interval the electrodes are engaged with the work, and means operating in timed relation to opening of the switch to apply a force on one of said parts tending to move the latter relative to the other of said parts in a direction to place the weld between the parts under stress.

2,268,816
APPARATUS FOR PREPARING PHOSPHATIC FERTILIZERS
William H. Gabeler, Alvin C. Wilson, and Thomas O. Tongue, Baltimore, Md., assignors to The Davison Chemical Corporation, Baltimore, Md.
Application June 17, 1938, Serial No. 214,327
5 Claims. (Cl. 18—1)

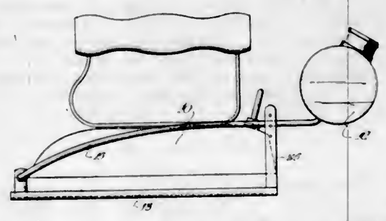
1. An apparatus for producing granular phosphatic fertilizer material comprising a combined agglomerating and drying rotatable drum said drum being closed to the atmosphere, means to feed phosphatic material into the drum, a source

of heat means mounted adjacent the feed end of the drum and exteriorly thereof for supplying hot gases thereto to heat the drum means for causing said hot gases to flow through said drum concurrently with said phosphatic material, and a spray mounted within the drum between said feeding means and said means for causing the



flow of hot gases to add moisture to the phosphatic material, said spray extending to a point adjacent to the feed end of the rotatable drum whereby said phosphatic material is agglomerated and dried while passing in a direction concurrent to the heating gases and in the absence of substantial amounts of air.

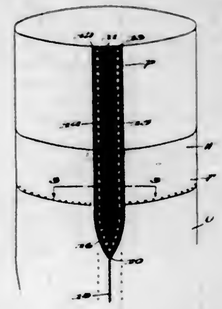
2,268,817
FLATIRON
Fred Goldfisher, Chicago, Ill.
Application October 26, 1939, Serial No. 301,496
6 Claims. (Cl. 38—77)



5. An attachment for flatirons, comprising a steam generator formed as a base to support the flatiron and having the outline of the latter with a pointed front, a water container, a water feed for said generator comprising supply conduits leading from the container over the flatiron to connect with the generator, and a thermostatic valve between the conduits and said end of the generator and in a position such that it is responsive to the temperature of the point of the flatiron and adapted to be opened when the flatiron rises above a predetermined temperature.

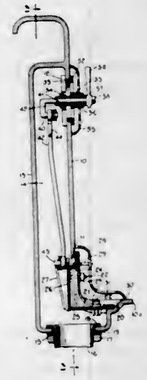
2,268,818
STOCKING WITH MEANS FOR IMPROVING THE ELASTICITY, AND PROCESS OF PRODUCING THE SAME
Jacob A. Goodman, Indianapolis, Ind., assignor to National Silk Hosiery Mills, Inc., Indianapolis, Ind., a corporation of Indiana
Application March 21, 1939, Serial No. 263,297
17 Claims. (Cl. 66—173)

15. A full-fashioned stocking comprising a knitted fabric body, said body having an area of reduced width in the upper portion thereof, the edges of the stocking being joined together in a rear seam except in said portion of reduced width, and an elastic panel embodying rubber



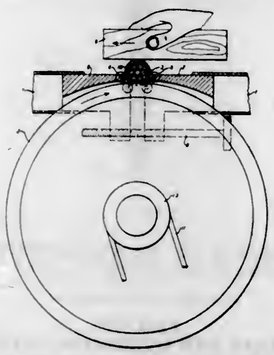
thread secured in the opening between the edges of the stocking in the portion of reduced width.

2,268,819
WASTE AND OVERFLOW VALVE
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application May 11, 1939, Serial No. 272,995
1 Claim. (Cl. 4—199)



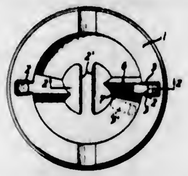
An improved waste and overflow outlet fitting for receptacles for liquid and in which receptacles a hollow outlet passage is arranged integral with and at the outlet end thereof, said receptacle having a waste outlet lying in its bottom and top respectively and communicating with the interior of the outlet passage, said fitting comprising a member constituting a substantially right angled closure for the waste outlet, a part of said fitting lying substantially parallel to and below the inner surface of the receptacle means for securing said member to the receptacle about the periphery of the waste outlet, a grating covering said member while permitting flow of water thereto, a passage extending through said member, a valve seat formed at the outer end of said passage and within the outlet passage, a shear gate valve mounted in said member and cooperating with the valve seat, operating means for operating the shear gate valve mounted in the overflow outlet of the receptacle, and a connecting rod extending between the operating means and the shear gate valve.

2,268,820
MACHINE FOR CUTTING ARTICLES
Dan O. Hannan, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 29, 1940, Serial No. 367,701
7 Claims. (Cl. 164—60)



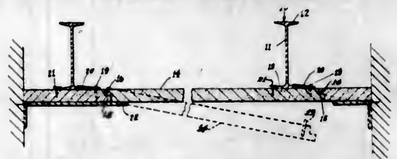
1. In a machine for cutting a sheath, a rotary cutter, and means to support the sheath so that the cutter can only cut to a predetermined depth comprising opposed rollers rotatably supporting the sheath.

2,268,821
ASH TRAY
Ewing Harper, San Francisco, Calif.
Application December 11, 1939, Serial No. 308,619
6 Claims. (Cl. 131—235)



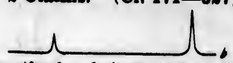
1. In an ash tray having bottom and side walls and an open top, one of the walls of said tray being formed to provide a channel integral therewith positioned with its open side opening inwardly into the area within said tray, the depth of said channel being sufficient to fully enclose the burning end of a cigarette when the burning end is in substantial engagement with the bottom of the channel, the edges of the sides of said channel along the open side being spaced apart substantially the thickness of a cigarette to frictionally engage opposite sides of a cigarette butt adjacent the burning end thereof for frictionally holding a butt with the burning end in said channel, one end of said channel being open and positioned for slidably receiving a cigarette butt between the sides thereof and the opposite end of the channel opening into said receptacle for discharge of cigarette butts thereinto when butts in said channel are successively advanced to said opposite end by butts successively slipped into the channel from said one end, the opposed side walls and the bottom wall of said channel being integrally united along their adjoining edges for the full length of the channel thereof preventing access of air to within the channel along said edges.

2,268,822
CEILING CONSTRUCTION
Arthur A. Heeren, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 284,719
4 Claims. (Cl. 72—118)



1. In a ceiling construction, a plurality of spaced slab supporting runners having at least one outstanding lower flange, a plurality of slabs each having oppositely disposed shiplap edges, said slabs being in mating engagement with one edge of each slab supporting an edge of the next adjacent slab, said one edge being substantially parallel with and adjacent said flange with its recessed side uppermost and with the slab extending under and materially beyond said runner, each of said slabs along said one edge only having loop-like means projecting upwardly between said flange and said one slab edge, and a comparatively short bar extending through said loop-like means with one end bearing against said slab adjacent said one edge and the opposite end overlapping said flange.

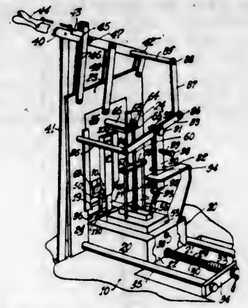
2,268,823
METHOD TO DIMINISH DAMPING OF CRYSTALS
Werner Herzog, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Zehlendorf, Osteweg, Germany, a corporation of Germany
Application May 3, 1940, Serial No. 333,209
In Germany January 18, 1939
2 Claims. (Cl. 171—327)



1. The method of improving the operating characteristics by diminishing the electrical damping of a piezo-electric crystal which includes the steps of cutting the crystal to a desired shape, heating the cut crystal up to 600 degrees, and impressing a high potential upon said crystal during said heating.

2,268,824
MECHANISM FOR CUTTING AND LOOPING SPRINGS
Carl G. Hicks, Chicago, Ill.
Application July 25, 1941, Serial No. 403,934
15 Claims. (Cl. 140—103)

1. In a device of the class described, a fixed bed and a movable bed, means normally urging the movable bed toward the fixed bed, said two bed means providing a path of movement for a spring unit to be acted upon, a movable carriage arranged above said two beds and having a shear portion thereof disposed between said beds for shearing said spring unit into separate body portions, cam means on said carriage for moving said movable bed away from said fixed bed for separating the severed ends of said sheared spring, means on said carriage flexing the two last convolutions of said severed ends in a direction away from the body portion of the respective spring, a complementary means for crimping said last two convolutions at right angle to the body of the spring, and means for moving said carriage with respect to the two bed means for the purpose aforesaid.

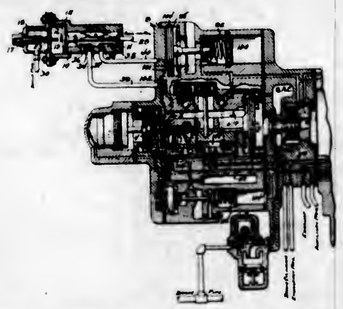


2,268,825
TOILET ARTICLE
Arthur Fredrick Horning, Jr., Washington, D. C.
Application February 29, 1940, Serial No. 321,557
2 Claims. (Cl. 206—72)



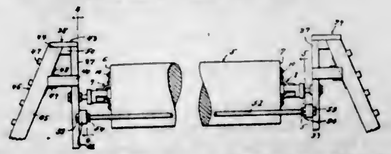
1. A comb holder comprising a torus and a pair of cavettos spaced from the torus on each side thereof by an amount greater than the thickness of the combs to be held, the torus having two parallel flat sides below the characteristic top which is semi-circular in cross-section, the cavettos having flat sides parallel to the proximate sides of the central torus to provide a comb receiving slot on each side thereof.

2,268,826
VENT VALVE CONTROL FOR TRIPLE VALVES
Keith D. Horton, Amarillo, Tex.
Application February 19, 1940, Serial No. 319,778
3 Claims. (Cl. 303—42)



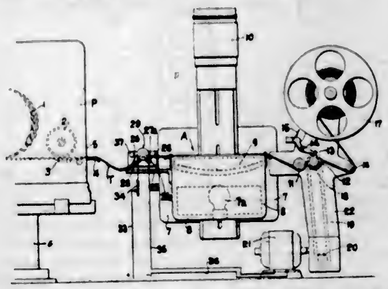
1. The combination with an air brake triple valve having a vent piston, and a vent piston supply passage, of a supplemental control valve through which said passage is by-passed comprising a case having a plurality of ports connected respectively to the atmosphere, to said supply passage and to the face of the vent piston, a piston in the case balanced between brake pipe pressure and auxiliary reservoir pressure, and a slide connector in the case actuated by the balanced piston and provided in one side with an obliquely arranged passage and an L-shaped passage cooperating with said ports in such manner that the supply passage is connected to the atmosphere except in the case of an emergency reduction of brake pipe pressure, in the last mentioned case the normal connection being established so that the vent valve may operate.

2,268,827
LOGROLLING GAME DEVICE
Hans Gabriel Jackson, Birchwood, Wis.
Application December 5, 1939, Serial No. 307,671
2 Claims. (Cl. 272—69)



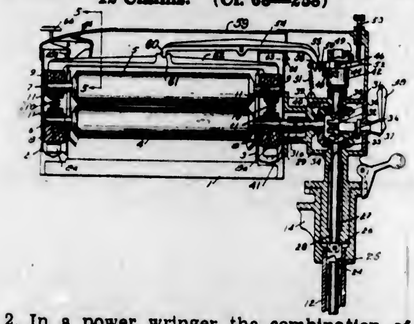
2. In a log-rolling game device, a pair of opposed supports, stub shafts mounted on said supports, said stub shafts being in axial alinement, a log rotatably supported by said stub shafts, tubular elements secured to the respective opposite ends of said log and extending longitudinally therefrom, said tubular elements being sleeved on said stub shafts, and bearing assemblies housed within said tubular elements and disposed circumjacent the respective stub shafts.

2,268,828
TAPE-CONTROLLING MEANS
Benjamin Kahn, Bronx, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application August 2, 1939, Serial No. 287,872
8 Claims. (Cl. 271—2.3)



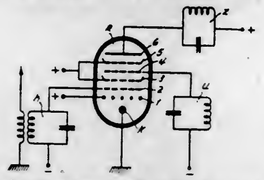
1. A device coactable with a character-bearing tape during passage thereof from a printing mechanism to a projection field, said device comprising a pair of spaced members with which the lower surface of the tape engages prior to passage thereof into said projection field, a movable structure having an extended surface with which the upper surface of the tape engages between said members, said movable structure maintaining the tape depressed between said members, said members and said movable structure cooperating to largely or substantially prevent transmission of tape vibrations into the projection field, and means preventing said movable structure from passing downwardly between said members.

2,268,829
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 22, 1938, Serial No. 197,387
12 Claims. (Cl. 68—258)



2. In a power wringer the combination of a frame; rolls mounted in the frame; a pressure device for the rolls; a setting device for the pressure device comprising a screw mechanism; a power means; a yielding friction connection between the power means and the screw mechanism actuating the screw mechanism to energize the setting device; and a stop means releasing the friction at a predetermined initial pressure on the rolls.

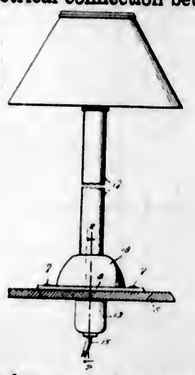
2,268,830
DISCHARGE TUBE ARRANGEMENT
Werner Kleen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 10, 1939, Serial No. 289,372
In Germany August 26, 1938
4 Claims. (Cl. 250—20)



1. In a mixer circuit wherein incoming signal energy is combined with locally produced oscillations of a second frequency to produce an intermediate frequency, a mixer tube having a cathode, an anode and first and second grid electrodes interposed between the cathode and anode in the order named, means for providing negative conductance between the second grid and the cathode including means for maintaining the first grid electrode at a positive potential with respect to the cathode, and means for impressing the incoming signal energy between said second grid electrode and the cathode, said negative conductance being sufficient to cause only regeneration of the incoming energy.

2,268,831
ELECTRIC FIXTURE ATTACHING MEANS
William Shanley Klein, Los Angeles, Calif.
Application July 13, 1939, Serial No. 284,329
3 Claims. (Cl. 240—4)

1. The combination of a portable table having a top provided with an opening, an attachment cord having a socket member at one end and adapted to have its other end plugged into an outlet receptacle, said socket member being mounted in said opening, and an electric lamp having a base provided with projecting contact pins engageable in said socket member when said base is disposed upon said table top for providing an electrical connection between the lamp

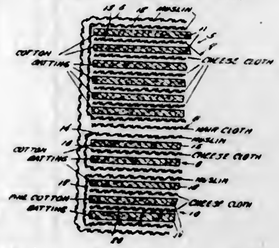


and said attachment cord, a face plate secured on said table top and having a central sleeve member fitted within said opening and within which the body of said socket member is rotatably fitted and secured, said face plate having a plurality of key hole slots, and depending headed pins carried by the base of the lamp and engageable in said key hole slots for attaching the lamp to said table top upon rotation of the lamp relative to said table top.

2,268,832
PROCESS FOR SOFTENING ARTIFICIAL CELLULOSIC MATERIALS
Walter König, Wiesbaden, Germany, assignor to Rudolph Koepp & Co. Chemische Fabrik A. G., Oestrich, Rhg, Germany
No Drawing. Application July 16, 1938, Serial No. 219,646. In Germany July 23, 1937
10 Claims. (Cl. 91—68)

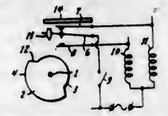
1. A process for softening shaped products of artificial cellulosic materials selected from the group consisting of regenerated cellulose, cellulose esters and cellulose ethers which consists in impregnating the shaped products with potassium formate.

2,268,833
PRESSING MACHINE PAD
Robert Kowser, Seattle, Wash.
Application October 26, 1939, Serial No. 301,403
6 Claims. (Cl. 38—66)



5. A pressing machine pad consisting of a steam permeable cushion composed of a top section comprising layers of fibrous material, an intermediate section comprising layers of fibrous material, a bottom section comprising layers of fibrous material, and a fabric screen disposed between the top and intermediate sections, said top, intermediate and bottom sections each being enclosed in respective fabric material envelope, said sections being in superposed positions, and a contour imparting fabric envelope encasing the sections to form the pad.

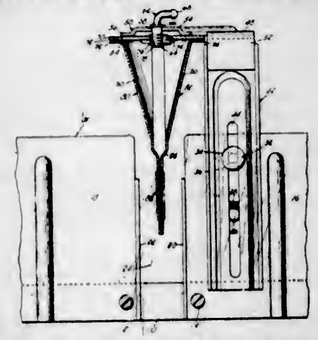
2,268,834
AUTOMATIC TUNING ARRANGEMENT
Jan Kuperus, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 16, 1938, Serial No. 246,061
In Germany December 28, 1937
2 Claims. (Cl. 200—103)



1. In a selector control mechanism, switching means movable between two extreme positions and arranged to close a first circuit when in one extreme position and to close a second circuit when in the other extreme position, said switching means when in a released condition being arranged to assume an intermediate position in which neither of said circuits is closed, means for applying a substantially constant force to said switching device which tends to bring the switching device into one of its extreme positions, rotatable magnetic means mounted in operative relationship to said switching means and rotatable with respect thereto, said rotatable means having a sector providing sufficient magnetic force to said switching device to overcome said constant force and bring the switching device into its other extreme position, a second sector providing insufficient magnetic force to overcome said constant force and a third sector connecting said first two named sectors which varies the magnetic force gradually from a value insufficient to overcome said constant force at one of its ends to a value sufficient to overcome said constant force at the other of its ends, an intermediate part of said connecting sector providing a magnetic force which balances said constant force in which position of said rotatable means the switching device assumes its intermediate position.

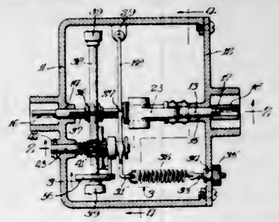
2,268,835
MITER BOX
Wilfred A. Larson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application December 6, 1939, Serial No. 307,852
3 Claims. (Cl. 143—89)

3. In combination with a miter box, an index plate, saw guide means pivoted thereon, said saw guide means comprising a circular swivel plate and a pair of complementary parallel plate members depending from said swivel plate, said plate members each including an upper portion and a lower portion, the upper portions having an inverted conical section terminating at its upper edge in a lateral flange secured to the swivel plate and spaced apart to permit the ready insertion of a saw therebetween, and the lower portions of said plate members being close-



ly aligned to clamp the sides of a saw therebetween.

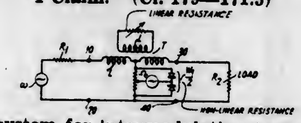
2,268,836
MOTOR VEHICLE ACCESSORY
Torbjorn Linga, Kokomo, Ind.
Application June 18, 1938, Serial No. 214,607
2 Claims. (Cl. 177—311.5)



1. For use in an automobile-accessory having a suitably-journaled shaft adapted for mounting on the automobile and for rotation on its axis by the automobile at a speed always proportional to the speed of travel of the automobile, an electric-circuit, an electrically-actuated signal in said circuit, an electric-switch in and controlling said circuit and the operation of said signal and having at least one of its two contacts movable, a mounting for said movable switch-contact permitting it to travel toward and from its companion contact of the switch, a governor operated solely by said shaft and at a speed always proportional to that of the travel of the automobile, and means controlled by said governor to cause the closing of said switch and to permit the opening of said switch and the corresponding operation of said signal, the novel features being that said governor-controlled means includes a coupling between said shaft and said movable switch-contact mounting rendered operative and inoperative by said governor and that said movable switch-contact mounting is equipped with a spring to immediately return said contact to normal open position as soon as said coupling is rendered inoperative by said governor, whereby, when the travel of the automobile reaches a predetermined speed, said coupling is made operative to carry said movable contact at a speed proportional to that of the automobile to its companion switch-contact in delayed manner so that said signal becomes operative only after the automobile has travelled a predetermined distance at a speed in excess of said predetermined speed and remains operative so long only as said excess speed continues, and becomes immediately

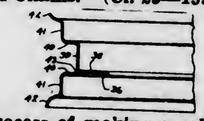
inoperative upon reduction of the speed of the automobile to said predetermined speed by reason of the opening of the switch by said spring.

2,268,837
MODULATOR ARRANGEMENT
Werner Lutzenberger, Berlin-Eichkamp, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany, a corporation of Germany
Application May 20, 1939, Serial No. 274,696
In Germany May 21, 1938
1 Claim. (Cl. 179—171.5)



In a system for intermodulating two alternating voltages of different frequencies to obtain voltages of other frequencies related to the frequencies of said two voltages and substantially suppressing voltages of the frequency of the frequencies of the two original voltages, a two-wire line having input terminals and output terminals connected with a load impedance, a transformer having a first winding and having a differential secondary winding connected in series with one wire of said line, a resistance coupled in shunt to said first winding, a non-linear controllable resistance variable between two values connecting a point between the windings of said differential secondary winding to the other side of said line, said first resistance having a value intermediate the limits of variation of said controllable resistance, means for impressing one of said voltages on the input terminals of said line and means for varying the value of said controllable resistance in accordance with the other of said voltages.

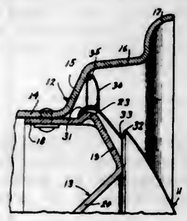
2,268,838
PROCESS FOR MAKING WHEELS
George Albert Lyon, Allenhurst, N. J.
Application June 4, 1938, Serial No. 211,780
4 Claims. (Cl. 29—159.1)



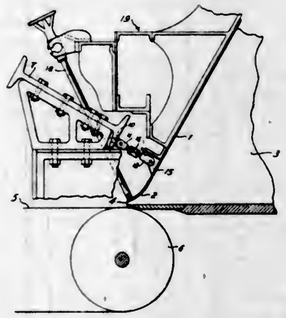
1. In a process of making a vehicle wheel including a drop center rim and an attaching flange, the steps of preforming a metal ring to provide it with two laterally extending edge portions, one of smaller diameter than the other, the edge portions being connected by an intermediate integral connecting flange, applying an axial pressure to an edge of the ring, said connecting flange being supported and held throughout a portion of its width during the application of axial pressure thereby to cause axial displacement of said lateral portion of smaller diameter with respect to said other lateral portion to form a folded flange, bending said folded flange generally radially inwardly to provide a wheel attaching flange, and rolling a drop center rim out of the remaining portion of said ring.

2,268,839
WHEEL DISK AND ASSEMBLY
George Albert Lyon, Allenhurst, N. J.
Application October 6, 1939, Serial No. 298,219
12 Claims. (Cl. 301—37)

12. The combination comprising a wheel and rim and body parts, said rim part including a base flange and said body part including an axially extending flange upon which said base flange is seated and secured, said body part flange extending axially forwardly beyond said base flange of said rim and providing a radially outwardly facing shoulder, said shoulder having radially outwardly projecting means formed thereon and providing a pocket adjacent the junction of said body and rim parts, and a wheel cover member having a rearwardly projecting flange arranged to be sprung over said projecting means on said shoulder into said pocket.

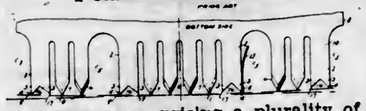


2,268,840
SLICE FOR PAPERMAKING MACHINES
Micheal James Alphonsus McGuire, Ottawa, Ontario, and Robert Baptie Connon, Gatineau, Quebec, Canada
Application May 6, 1939, Serial No. 272,072
In Canada February 15, 1939
5 Claims. (Cl. 92—44)



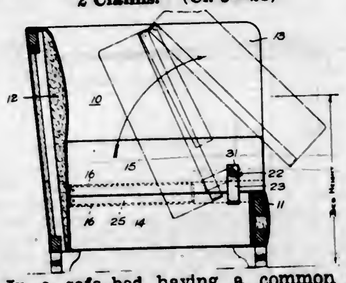
1. In a paper-making machine having an apron, a head box containing pulp stock and a wire, said head box having its front wall constituting a slice and a pulp stock orifice between the lower edge of said front wall and said apron whereby a pulp sheet may be delivered through the orifice onto the wire, means for maintaining uniform thickness in said sheet comprising a beam extending transversely of said front wall in parallel relation thereto, supports for said front wall extending therefrom to said beam, said supports being anchored to the front wall at points spaced above the lower marginal portion thereof adjacent the top of the lip of the slice and lying within the zone of maximum static head pressure of pulp stock on the wall, and means for independently adjusting the length of each of said supports to apply adjusting forces to said front wall at said points and thereby maintain said lower edge a uniform distance from said apron.

2,268,841
SAW
Floyd R. Morin, Marshfield, Oreg.
Application September 19, 1939, Serial No. 295,627
1 Claim. (Cl. 143—133)



A falling saw comprising a plurality of sawdust-receiving gullets, a plurality of raker teeth, those on each side of the saw centerline having their cutting edge facing the respective saw end, and two or more lance teeth positioned on the opposite side of the gullet from a raker tooth, each lance tooth adjacent the gullet being bevelled on the bottom side of the saw thruout its length whereby sawdust is free to drop downwardly out of the gullet in a like manner on each end of the saw.

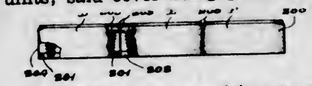
2,268,842
FURNITURE
Samuel Nusinow, Baltimore, Md.
Application December 29, 1939, Serial No. 311,692
2 Claims. (Cl. 5—23)



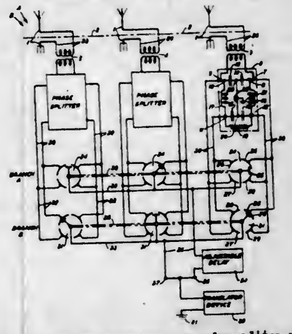
1. In a sofa-bed having a common section utilized as a bed portion when the sofa bed is used as a bed and utilized as a seat when the sofa-bed is used as a sofa and the construction being such that the said common section is at relatively higher bed height level when the sofa-bed is used as a bed and at relatively lower seat level when the sofa-bed is used as a sofa comprising: a frame, a first bed section and a second upholstered innerspring combined seat and bed section, said sections being secured together in foldable relation and in such manner that the said second section is on top when the sections are folded by moving the second section toward the first section in a first rotary direction, an extension element pivotally secured to said frame and fixed to said first section, so that said first section may be swung relative to said frame in the opposite rotary direction, the pivot point being located on the frame at such distance from the bottom thereof, and the length of the extension element and the height of the upholstered second section each being such that when the foldable sections are in open bed position, the top of the second section is at bed height, which is higher than the level of the second section when the two sections are folded together in the frame.

2,268,843
FURNITURE CONSTRUCTION AND METHOD
Samuel Nusinow, Baltimore, Md.
Application February 19, 1940, Serial No. 319,772
3 Claims. (Cl. 155—184)

1. In seat construction, the combination of a base and a plurality of juxtaposed seating units arranged in association therewith; said base comprising a front rail, a rear rail and a plurality of transverse rails; said seating units comprising a plurality of substantially immediately adjacent independent spring sections each including a plurality of coil springs and a generally rectangular frame at the upper portion thereof for tying together the said coil springs completely about the upper outer margins; a cover for said seating units; said cover being permanently secured to said base and comprising a plurality of substantially immediately adjacent simulated pillow units each including a generally planular top and a depending continuous skirt extending completely around the sides of a spring section; the bottom of each of said skirts being secured at its front to the front rail, at its rear to the rear rail, and at its sides to the said transverse rails; whereby said finished seat will be unitary in construction while comprising a plurality of independent units simulating juxtaposed pillows.



2,268,844
STEERABLE ANTENNA SYSTEM
Frank A. Polkinghorn, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 17, 1940, Serial No. 319,394
7 Claims. (Cl. 250—11)

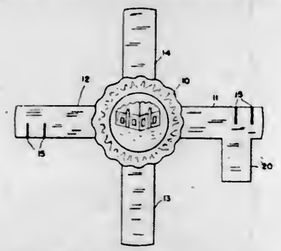


1. In an electrical system, a plurality of energy sources each connected through a separate transmission channel to a load circuit and means for adjusting with uniform loss the phase relation of the currents in said channels, said means comprising a variable phase splitter included in each channel for deriving from the channel current two sets of opposite phase components, and a common phase combiner included between all of said phase splitters and said load circuit and comprising a phase shifter for changing the phase relation between the two sets of components in each channel.

2,268,845
SANDWICH CONTAINER
Clell Powers, Detroit, Mich.
Application August 8, 1940, Serial No. 351,829
2 Claims. (Cl. 24—17)

1. A device for enclosing a sandwich comprising a front body portion of substantially the area of the sandwich and having flexible tongue portions extending rearwardly from the edges there-

of and inwardly toward one another and having notched terminal portions interengaged with one another to hold said tongues in said relation around the sandwich, and a third flexible tongue extending rearwardly from said body portion at a



point intermediate the two first mentioned tongues and projecting inwardly around the sandwich and underlying and being frictionally retained by said first two mentioned tongues and between said first two mentioned tongues and the sandwich.

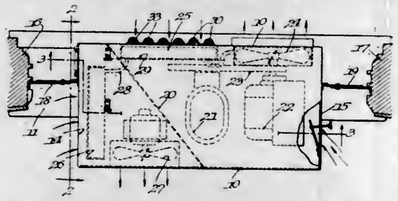
2,268,846

AIR CONDITIONING APPARATUS

Richard F. Roper, Chevy Chase, Md., assignor to Pleasantaire Corporation, Washington, D. C., a corporation of Delaware

Application July 25, 1938, Serial No. 221,225

9 Claims. (Cl. 62—140)



7. The combination in an air conditioning apparatus, of an evaporator adapted to cool inside room air circulated therepast and to de-humidify the same by the condensation of moisture thereon, a condenser including refrigerant conduits adapted to be cooled by the circulation of outside cooling air, means for conducting a portion of the water of condensation collected on the evaporator to a position in proximity to the condenser conduits solely by gravity flow, and absorbent means in contact with the collected water and extending in heat exchange contact across the face of the condenser conduits first encountered by the condenser cooling air.

2,268,847

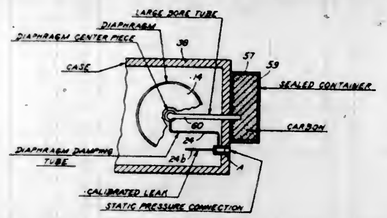
TEMPERATURE COMPENSATOR FOR PRESSURE ACTUATED INDICATORS

Christopher Alois Rafferty, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application March 7, 1940, Serial No. 322,852

20 Claims. (Cl. 73—179)

14. In a rate of climb indicator, a sealed casing, a pressure responsive element in said casing and having its interior in partially restricted communication with the atmosphere outside of said casing, means retarding the flow of air between the interior and exterior of said casing, a chamber rigidly secured to said casing, conduit means between said chamber and the interior of said pressure responsive element, and air adsorption means within said chamber responsive to change of temperature for adsorbing a quantity of air



from said pressure responsive element to offset the change in pressure within said casing due to a sudden temperature change.

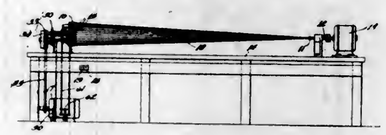
2,268,848

APPARATUS FOR MAKING STRINGS

Harold W. Roberts, La Grange, Ill., assignor to Thompson Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 11, 1940, Serial No. 323,321

15 Claims. (Cl. 57—25)



1. An apparatus for making gut strings, comprising a rotatable head having gut ribbon and ply grippers spaced apart about the periphery of the head and individually rotatable therein for engagement at one end of the ribbons or plies, means for rotating the head and twisting together all the separately twisted plies, and means at their other ends for engaging all of the ribbons or plies for rotating and twisting them together at the same time.

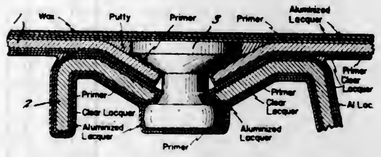
2,268,849

METHOD OF UNITING MATERIALS

Frank M. Salisbury, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York

Application September 30, 1939, Serial No. 297,409

4 Claims. (Cl. 113—116)



1. A method of joining structural materials which includes the following steps, forming a dimple in the surface of each of the materials to be joined, anodizing the materials, applying a primer coating to all surfaces of the materials, applying a coating of lacquer on the inside surfaces of said materials, positioning a rivet in the dimple on top of the coating so that the upper surfaces of the head of the rivet will be substantially flush with the surface of the material, filling the voids of the dimple with putty.

2,268,850

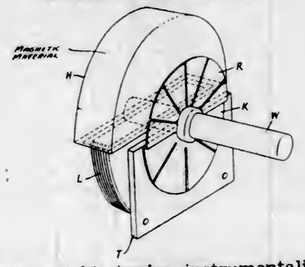
VARIOMETER

Günter Schneider, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 19, 1940, Serial No. 341,284

In Germany March 31, 1939

4 Claims. (Cl. 250—40)



1. In a variable tuning instrumentality, a coil formed of a plurality of stacked substantially semi-circular flat coil sections, a substantially semi-circular metallic hood for said coil, mounted in co-axial relationship with said stacked sections, said hood and coil being relatively rotatable and positioned so as to provide for inserting different amounts of the coil within the hood.

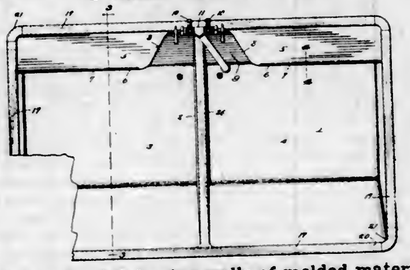
2,268,851

LAUNDRY TUB

Joseph M. Schultes, Detroit, Mich.

Application November 24, 1939, Serial No. 306,002

1 Claim. (Cl. 220—73)



A laundry tub having walls of molded material merging to form rounded corners, inverted channelled protecting strips straddling the upper edges of the walls and spaced from the corners, arcuate protecting strips straddling the corners of the tub and having reduced ends seated in the adjacent ends of the first named strips, all of the strips having inwardly converging edge portions embedded within the walls, there being notches in the lower edges of the reduced portions, and bendable tongues integral with the flanges of the protecting strips, seated in the notches and positioned astride the adjacent edges of the arcuate strips, thereby to hold the strips against relative movement in any direction and to supplement the flanges as means for anchoring the strips to the wall.

2,268,852

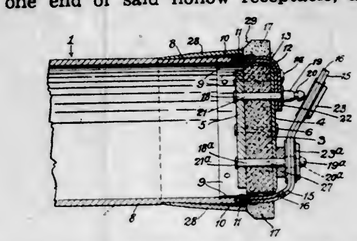
PNEUMATIC TUBE CARRIER

Maurice P. Anderson, Chicago, Ill.

Application August 2, 1940, Serial No. 349,694

6 Claims. (Cl. 243—35)

1. A pneumatic tube carrier comprising a hollow receptacle having an outer wall, a U-shaped metal member looped over the edge of the wall at one end of said hollow receptacle, a metal



ring enclosed in said U-shaped metal member, a door for closing said end, and a flexible hinge connected with said metal ring and said door.

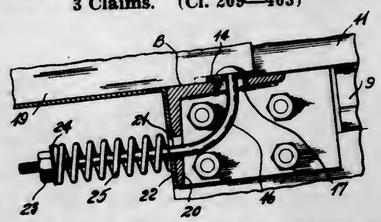
2,268,853

SCREEN STRETCHING AND TAKE-UP DEVICE

George W. Behnke, Durand, Mich., assignor to Simplicity Engineering Company, Durand, Mich.

Application December 1, 1939, Serial No. 307,175

3 Claims. (Cl. 209—403)



1. In a screening device of the character described, the combination of a frame including spaced side and upper and lower end members, a woven wire screen disposed between and secured to said side members and to the upper end member, slotted openings in the horizontal face of the lower end member, and downwardly curved bolt members anchored in the discharge end of the screen and extending through said slotted openings with the threaded ends projecting forwardly beyond the end of the screen, means associated with said bolt for exerting continuous longitudinal tension on said screen, and an imperforate lip projecting over said means and forming an extension of said screen frame.

2,268,854

GREASE TRAP

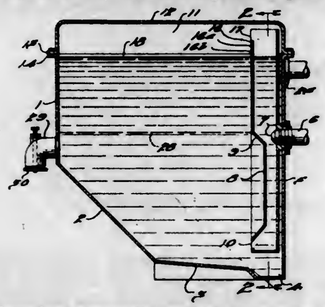
Edward W. N. Boosey, Detroit, Mich.

Application December 27, 1940, Serial No. 371,907

7 Claims. (Cl. 182—9)

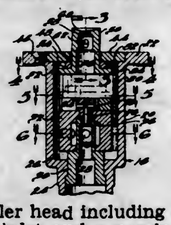
1. In a grease trap, a body having an open top, a cover member therefor and extending above the top, a substantially vertical inlet column provided interiorly of the device and at one end and an outlet column parallel therewith at the same end, the inlet column having an opening at its bottom to said body and having an opening at the top to the air space, said outlet column having an opening for connection of a conduit therewith and having a chambered portion provided with a wall extending to above the uppermost point of the outlet and determining the normal liquid level in the body, and a conduit including a trap having an open upper end in the air space above the usual liquid flow level and the opposite

end opening to the outlet column below the normal liquid level, the arrangement providing an



air chamber normally sealed to atmosphere and opening to the outlet by siphonage of the trap.

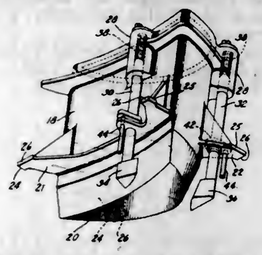
2,268,855
LAWN SPRINKLING APPARATUS
John A. Brooks, Detroit, Mich.
Application January 20, 1940, Serial No. 314,778
15 Claims. (Cl. 299—61)



2. In a sprinkler head including a hollow body having a water inlet and a nozzle member carried thereby and rotatable with respect thereto, the combination of means for effecting rotation of said nozzle member in a series of intermittent angular movements comprising an element in said body rotatable therein under the influence of the flow of water between said inlet and said nozzle member, a second element swingably mounted at one end thereof upon the first mentioned element about a line eccentric to the axis of rotation of said first mentioned element and provided with a radially directed shoulder, means for directing a stream of water against said swinging element in a direction tending to move said shoulder radially outwardly with respect to the axis of rotation of the first mentioned member, and means carried by said nozzle member disposed in the normal path of movement of said shoulder.

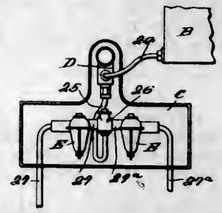
2,268,856
METHOD OF AND APPARATUS FOR CUTTING BLANKS FROM SHEET MATERIAL
Roy W. Cummings, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 4, 1941, Serial No. 373,120
5 Claims. (Cl. 164—29)

5. A die comprising a hollow base terminating in a cutting edge, abutments extending laterally from the die adapted to engage a straight edge for locating the die transversely of the sheet material to be operated upon, and a plurality of gage members carried by the die, each of which is adapted to engage a cut portion of the work formed by a previous cutting operation for spacing the die a predetermined distance from a preceding cut, the gage members being located relatively to the cutting edge of the die and to the abutments such that when the gage members



are in engagement with a straight edge the die can be located by means of the abutments in nested relation to previously formed cuts.

2,268,857
OIL BURNING HEATER
William D. Dooley, Springfield, Ohio
Application May 5, 1939, Serial No. 272,028
5 Claims. (Cl. 126—95)

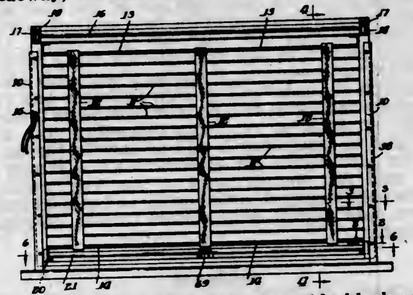


1. An improved oil burning tobacco curing stove for use in a tobacco barn or shed, comprising a heating drum closed against communication with said shed or barn, an air inlet conduit having an inlet end exterior of said shed or barn and communicating with said drum, an outlet flue from said drum to a point exterior of the shed or barn of a size capable of discharging a greater volume of air than can be admitted to the drum by said air inlet conduit, an oil burner in said drum including an oil ring within which oil is adapted to be vaporized, a preheating manifold within said drum through which said air must pass for delivery to said oil burner, an air controlling valve in said air conduit, means tending normally to close said valve, thermo means responsive to the heat generated by said burner for opening said valve, and said thermo responsive means acting to increase the opening of said valve as the heat generated by said burner is increased but acting at all times to permit only the delivery to said burner of less air than can be consumed thereby and discharged through said outlet flue, whereby said burner is caused to operate within said drum in a partial vacuum.

2,268,858
BLIND AND CURTAIN
George D. Dodge, Evanston, Ill.
Application February 16, 1940, Serial No. 319,199
8 Claims. (Cl. 156—17)

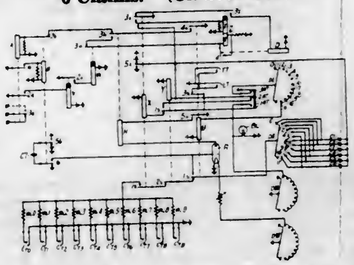
1. A blind or shade member comprising a rod arranged at the bottom thereof, means cooperating with said rod to selectively permit or prevent rotation thereof, a pinion on said rod, a rack with which the pinion meshes, a guideway with which a part of said member co-operates, a guide

block on the member and in engagement with the guideway, and means carried by the guide block



to create a friction between the guide block and the guideway.

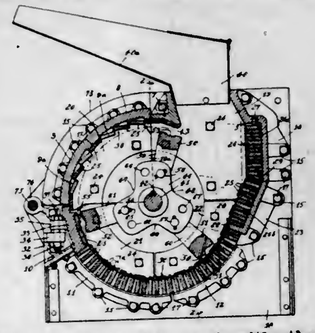
2,268,859
IMPULSE SENDER
Hinrich Döhle, Berlin-Alt-Glienicke, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany
Application September 3, 1937, Serial No. 162,361
In Germany September 5, 1936
6 Claims. (Cl. 177—380)



5. In combination, two condensers, means for placing a variable initial charge on the first of said condensers, means for alternately charging the second of said condensers and connecting same in opposition with said first condenser thereby to reduce the charge on said first condenser in steps, and detector means sensitive to a particular value of charge on said first condenser and operated responsive to said charge on said first condenser reaching said particular value.

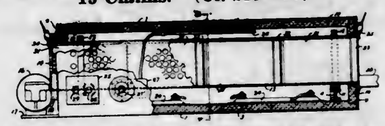
2,268,860
LIMESTONE PULVERIZER
Henry N. Edens and Clarence B. Molter, Freeport, Ill., assignors to Stover Manufacturing & Engine Co., Freeport, Ill., a corporation of Illinois
Application December 1, 1939, Serial No. 307,000
18 Claims. (Cl. 83—11)

1. In a machine of the class described, comprising a rotary hammer assembly operable on a substantially horizontal axis, and a generally cylindrical-shaped housing to enclose said hammer assembly in substantially concentric relation therewith, said housing having an open throat portion opening into the top at one side thereof, said housing being defined by opposed end walls spaced by intermediate peripheral walls in transverse relation thereto, replaceable liner means for said housing comprising a plurality of hardened steel liner bars all of substantially identical elongated rectangular cross-section and of substantially the same length, whereby the liner bars for one portion of said housing are interchangeable with liner bars in any other portion of said housing, means for supporting in one side of the throat portion of the housing a first series of said bars in stacked relationship and broadside abutment with one another exposing their inner longitudinal edge portions toward the hammer assembly, said edge portions together providing a substantially smooth inner surface for said throat portion, means for supporting in the lower portion of said housing a second series of said bars with the broad sides of neighboring bars in spaced



relation to one another and with their inner longitudinal edge portions exposed at substantially the same radial distance from the hammer assembly, the last named series of bars forming a screen portion for said housing, and means for supporting in the upper portion of said housing on the opposite side from the first series of bars a third series of said bars with their broad sides exposed toward the hammer assembly, said bars of the last mentioned series having their longitudinal edge portions in radially offset relationship to one another and so that all of the bars of that series are disposed at substantially the same radial distance from the hammer assembly.

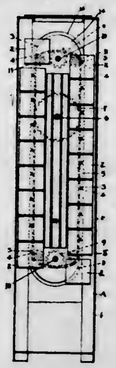
2,268,861
PROCESS AND APPARATUS FOR PREHEATING
Carleton Ellis, Jr., Toledo, Ohio, and Charles S. Dewey, Jr., Chicago, Ill.
Application March 30, 1939, Serial No. 264,952
13 Claims. (Cl. 219—19)



13. In a device of the class described, in combination, a heat-insulated elongated chamber having openings in both ends thereof, a rotatable perforate cylinder within said chamber, said rotatable perforate cylinder being open at both ends and extending between the openings in the ends of said chamber, a plurality of closed imperforate containers each adapted to contain a quantity of comminuted molding material to be preheated, said plurality of closed imperforate containers being adapted to be inserted into said rotatable perforate cylinder, the length of each of said closed imperforate containers being an aliquot part of the length of said rotatable perforate cylinder, whereby when said rotatable perforate cylinder is filled with such containers the insertion

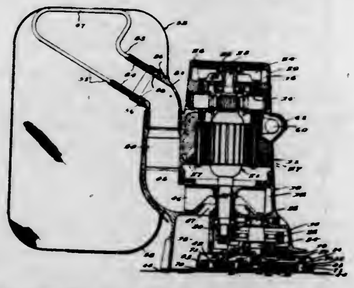
of an additional one of such containers into said cylinder through the opening in one end of said chamber entirely expels one of said containers from the opening in the other end of said chamber.

2,268,862
VERTICAL CONVEYER
Warren C. Ellis, St. Petersburg, Fla.
Application February 10, 1940, Serial No. 318,355
14 Claims. (Cl. 198—137)



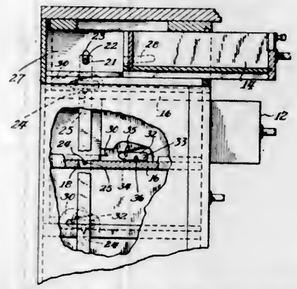
1. An apparatus of the kind described comprising a frame having vertical guide ways including stretches adjacent to opposite sides of said frame, conveyer mechanism common to said guide ways, a series of independently movable carriers for travel in said guide ways and acted upon by the conveyer mechanism for movement thereby and accessible from opposite sides of said frame, mechanism for imparting motion to the conveyer, means cooperating with the carriers for sustaining the same in a horizontal position during travel thereof at determined points of the guide way, and means confined within the frame for confronting the outermost portions of the respective carriers during travel thereof for the transfer of the carriers to vertical carriage mechanism in opposite guide ways.

2,268,863
DISK ABRADING MACHINE
Arthur N. Emmons, Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y., a corporation of New York
Application April 28, 1939, Serial No. 270,595
8 Claims. (Cl. 51—170)



1. An abrading machine comprising a base section and a body section mounted upon the upper end of said base, a motor vertically mounted in the body section with the shaft of the motor extending into the base section, an abrading disk journalled in the lower portion of the base section, gearing arranged in the base and operatively connecting said disk with the motor shaft, the upper portion of said base section being formed with a fan chamber and having a passage leading through the side wall of said chamber and extending vertically, said body section being formed with an integral vertically extending duct arranged in register with said passage in the base, a fan mounted on the motor shaft and arranged in said fan compartment, a coupling member rotatably mounted in the upper end of said body duct, and a dust bag secured to said coupling member.

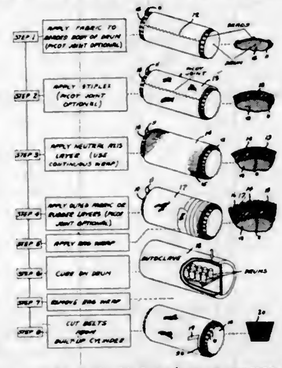
2,268,864
LOCKING DEVICE FOR DRAWERS AND THE LIKE
Max S. Finkiewicz, Lockport, Ill.
Application May 23, 1940, Serial No. 336,736
1 Claim. (Cl. 45—54)



A desk having a central control drawer and a tier of drawers at each side thereof, a vertically slidable locking bar between said control drawer and each of said tiers of drawers, an upwardly inclined recess formed in the rearward portion of each side of said control drawer, a pin projecting on one side of each bar and arranged to be accommodated in a corresponding recess whereby reciprocating movement of said bar is effected when said control drawer is moved in and out, each of said drawers in said tiers having in the side thereof a rearward recess accommodating a pivoted latching member adapted for engagement with a corresponding locking pin on said bar, the said bar being raised when said control drawer is fully pushed in whereby the said locking pins are engaged by said latching members to lock said drawers, the said latching members being out of engagement with the said locking pins when the control drawer is pulled out, said latching members being independently movable whereby some of said drawers may be locked while other of said drawers are open.

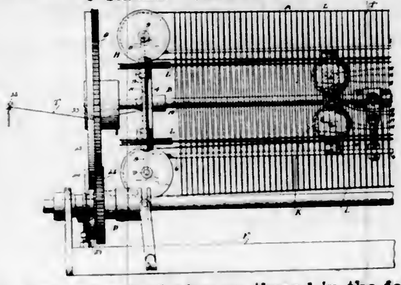
2,268,865
METHOD OF MANUFACTURING RAW EDGE BELTS
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application August 25, 1939, Serial No. 291,922
8 Claims. (Cl. 154—4)

7. In the process of making grooved raw edge belts, the steps of building up the body of the belt in the form of laminated fabricated rubber layers on a mandrel having the desired surface configurations, compressing the built-up layers against the surface of said mandrel, and vulcanizing the belt body while compressed thereon



so as to provide a belt having grooves along the inner surface side of the belt.

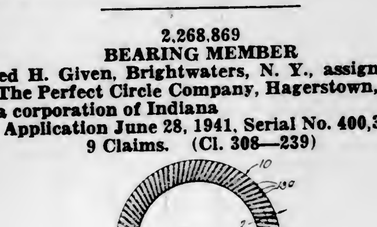
2,268,866
APPARATUS FOR LAYING UP THREAD
William H. Furness, Haddonfield, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application May 1, 1940, Serial No. 332,692
9 Claims. (Cl. 242—53)



1. Apparatus for laying up thread in the form of a continuously advancing helix, comprising a non-rotatable support, a thread guide adjacent one end of said support, means for rotating said guide around said support to lay thread on said support, means for moving said thread along said support as it is being laid thereon so as to provide a continuously advancing helix of thread on said support, a thread guide adjacent the other end of said support, and means for rotating said second mentioned thread guide in one to one ratio with the first mentioned thread guide to take thread off the support turn for turn of its being laid on the support.

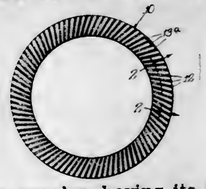
2,268,867
TYPEWRITING MACHINE
William A. Gabrielson and Edson G. Moshier, Syracuse, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application June 19, 1940, Serial No. 341,250
7 Claims. (Cl. 197—84)

1. In a typewriting machine of the kind having a platen and a carriage for said platen escapement-controlled for letter spacing the platen, the combination of escapement dogs, an escapement dog carrier vibrative in a fixed field, a plurality of escapement wheels geared to the carriage and each having a different number of differently spaced teeth, a set of type carriers each carrying as many types of different sets as there are escapement wheels, key-controlled means for selectively actuating the type carriers, key-controlled means for conditioning the machine for typing with either set of types and for



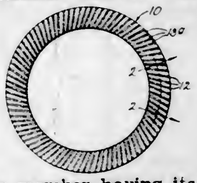
simultaneously axially shifting the escapement wheels to present and maintain a selected one of said escapement wheels in position for coaction of the escapement dogs therewith, the wheel presented being different for each set of types, and key-controlled means for holding the carriage against letter feed travel during actuation of the second-mentioned key-controlled means.

2,268,868
BEARING MEMBER
Fred H. Given, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application April 6, 1940, Serial No. 328,312
10 Claims. (Cl. 308—239)



1. A bearing member having its bearing face provided with a plurality of small, narrow or restricted bearing areas substantially separated or surrounded by bodies permanently embedded in the bearing face and formed of finely divided particles of Fe_3O_4 permanently bonded together in a solid mass by a bonding material.

2,268,869
BEARING MEMBER
Fred H. Given, Brightwaters, N. Y., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application June 28, 1941, Serial No. 400,309
9 Claims. (Cl. 308—239)



1. A bearing member having its bearing face provided with a plurality of closely spaced small, narrow or restricted bearing areas separated by cavities or grooves and bodies filling the cavities or grooves, the bodies being formed of finely di-

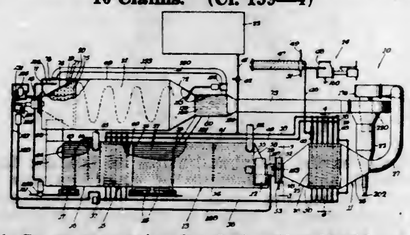
vided particles of abrasive metallic oxide and material permanently bonding the particles together in a solid mass and causing the bodies to be permanently held in the cavities or grooves.

2,268,870
ORNAMENTAL LIGHTING SYSTEM
William B. Greenlee, Denver, Colo.
Application August 10, 1937, Serial No. 158,398
4 Claims. (Cl. 240—10)



1. An ornamental lighting system, comprising a source of high frequency electrical energy, a flexible conductor connected therewith and adapted to be wound in selective positions about a medium to be illuminated, means at intervals along the conductor for interchangeable connection with gaseous-glow type lamps of different designs, a plurality of gaseous-glow type lamps of different design selectively located along the conductor, and means on each of said lamps cooperative with said first-mentioned means for suspending the lamps therefrom.

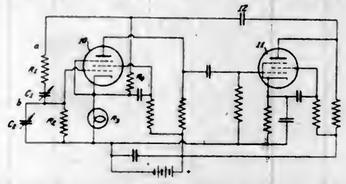
2,268,871
APPARATUS FOR EVAPORATING MILK AND OTHER LIQUID PRODUCTS
Joseph M. Hall, Chicago, Ill.
Application August 27, 1937, Serial No. 161,224
10 Claims. (Cl. 159—4)



1. In an apparatus for desiccating liquid products comprising mechanism for concentrating said liquid product, means for reducing the concentrate to fine particles, an evaporator, means for delivering heated air under pressure tangentially into one end of said evaporator and for discharging the same mixed with the dried particles through the opposite end of said evaporator, a moisture eliminator through which the mixture passes, means for supplying heated air to said eliminator, and means responsive to the change of relative humidity in the air flowing from said evaporator into said eliminator for controlling the amount of heated air supplied to said eliminator by said last-named means.

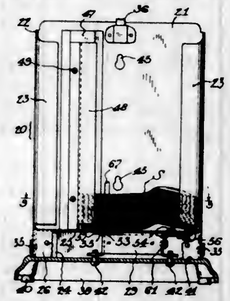
2,268,872
VARIABLE FREQUENCY OSCILLATION GENERATOR
William R. Hewlett, Palo Alto, Calif., assignor to Hewlett-Packard Company, Palo Alto, Calif., a co-partnership consisting of William R. Hewlett and David Packard
Application July 11, 1939, Serial No. 283,801
6 Claims. (Cl. 250—36)

1. In an oscillation generator for producing sustained electrical oscillations of a desired substantially constant frequency and amplitude, vacuum tube means having control, anode and cathode elements, and a frequency determining electrical network connected to the vacuum tube means for generation of electrical oscillations, said network including a substantially non-inductive positive feed back path and also a de-



generative circuit including a path for oscillatory current of said generator, oscillatory current flow through the last named path serving to reduce the amplitude of oscillations generated, said path in said degenerative circuit having an impedance variable in response to variations in the amplitude of the oscillatory current of the generator to tend to maintain the amplitude of oscillations constant.

2,268,873
ARTICLE DISPENSING DEVICE
Arthur C. Hopkins, Tupper Lake, N. Y., and Samuel N. Hope, Wauwatosa, Wis., assignors to Oval Wood Dish Corporation, Tupper Lake, N. Y., a corporation of Delaware
Application February 10, 1940, Serial No. 318,242
9 Claims. (Cl. 312—63)

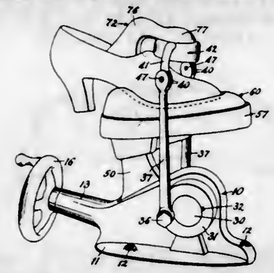


1. A dispenser for articles such as spoons and the like, comprising means for supporting a stack of the articles, and ejecting means for swinging an endmost article laterally of the stack to project one end portion of said article from the stack in position for permitting withdrawal of such article, said dispenser including a bearing surface against which the other end portion of said endmost article is held to support and releasably retain said article in its swingably projected position.

2,268,874
SHOE PRESS
Cullen L. Huntoon, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application November 16, 1939, Serial No. 304,675
17 Claims. (Cl. 12—33)

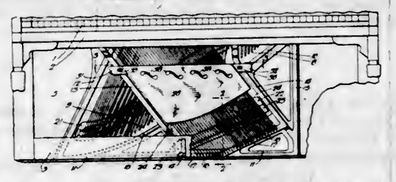
1. In a shoe press, cooperable pressure members, and means for moving one of said members with respect to the other member comprising rotatable driving mechanism and pivoted elements

connecting said mechanism with said movable member and arranged to apply pressure through



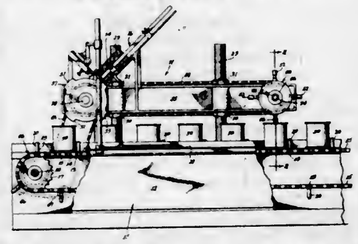
the latter from different directions when said mechanism is rotated in different directions.

2,268,875
RESONANCE CHAMBER FOR PIANOS
Edgar B. Jones, Oregon, Ill.
Application October 16, 1940, Serial No. 361,367
7 Claims. (Cl. 84—189)



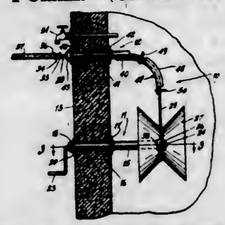
1. In a piano, the combination, with the piano string-frame and a series of strings arranged thereupon to extend in a common plane, of a resonance chamber supported upon said string-frame over said series of strings, said chamber constituting a box having an inner flat wall extending in a plane proximate to and parallel with the plane occupied by said series of strings, said chamber being provided with a plurality of openings through said inner flat wall.

2,268,876
GLUE DISPENSER
Herbert W. Kagley, Lindsay, Calif., assignor to Lindsay Ripe Olive Company, Lindsay, Calif., a corporation
Application August 29, 1939, Serial No. 292,453
12 Claims. (Cl. 91—47)



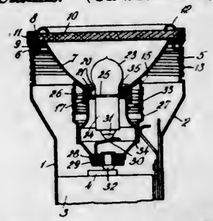
1. A rotary glue dispenser comprising a hub carrying a glue reservoir, means to maintain a pressure on glue contained in the hub, means to rotate the reservoir, glue nozzles projecting from the hub and arranged to be supplied with glue from the reservoir and to deposit glue on packaging elements by compression on said packaging elements.

2,268,877
HOSE REEL
Roland D. Killebrew, St. Louis, Mo.
Application August 10, 1939, Serial No. 289,379
1 Claim. (Cl. 242—86)



A hose reeling mechanism comprising a shaft rotatably mounted in the wall of an enclosure, a reel fixed to one end of the shaft interiorly of the enclosure to turn therewith as a unit, a handle forming part of the shaft disposed exteriorly of the enclosure, a sleeve mounted in the wall of the enclosure and spaced from the shaft, a guide member connected to the sleeve and disposed interiorly of the enclosure, said guide member being curved to direct a hose to the reel and including means adapted to prevent the dislocation of a hose therefrom, and means connected to the reel adapted to be connected to the end of a hose, said sleeve and guide member permitting the passage therethrough of a hose and the said means.

2,268,878
FLASHLIGHT
Walter R. Kopp, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application October 31, 1939, Serial No. 302,091
6 Claims. (Cl. 240—10.6)

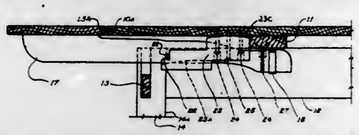


1. A hand lamp comprising a reflector having a central opening, a member comprising a threaded sleeve having a flange shaped to correspond to the shape of the reflector adjacent said opening, the flange being provided with an opening in alignment with the opening in the reflector, a bushing arranged in said openings and spun over the adjacent portion of the reflector to secure the reflector and the member to each other, and a second threaded member carried by the sleeve for retaining a bulb in the reflector.

2,268,879
EXTENSIBLE TABLE
Charles Kramer, Jeffersonville, Ind., assignor to The Mengel Company, Louisville, Ky., a corporation of New Jersey
Application May 22, 1939, Serial No. 274,995
3 Claims. (Cl. 311—56)

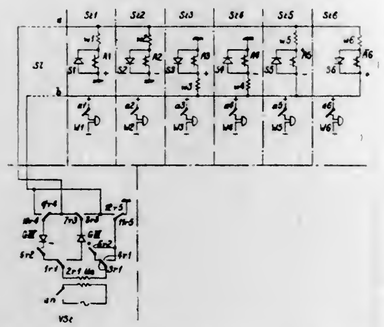
1. An extension table, comprising; a main top; an under supporting frame to which said top and legs are rigidly attached; a space at the end of the table between the main top and the sup-

porting frame; an extension leaf adapted to be stored within said open space when not in use; an extension runner having the outer end portion thereof attached to said leaf and slidably mounted for outward movement of the leaf beyond the main top and an inter-engaging device for holding the extension leaf in a fixed location with the top surfaces of the leaf and main top in planar alignment when the leaf with the attached runner are withdrawn and moved backward to bring



the inner edge of said leaf into abutting engagement with the adjacent end of the main top; said device consisting of a keeper attached to the under surface of said main top and a pin projecting laterally from said runner, the projecting end of said pin being eccentric to the axis thereof and rotatable for effecting alignment of the top surfaces of the leaf and main top; said keeper having a nosing fashioned with a downwardly inclined surface for receiving said pin.

2,268,880
TELEPHONE SYSTEM
Walter Kusche, Berlin-Steglitz, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application September 16, 1939, Serial No. 295,170
In Germany September 21, 1938
1 Claim. (Cl. 179—86)



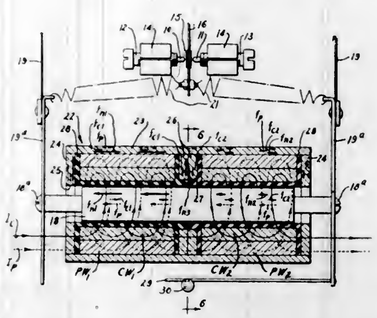
In a party line signalling system, a line having a plurality of substations thereon, each substation having a signalling device connected either to one side of the line or the other or across the conductors thereof, rectifiers connected to each device to render each device responsive to only one polarity of signalling current, a signalling arrangement for selectively operating said devices, said arrangement comprising a source of alternating current and a pair of rectifiers, and means including a plurality of contacts operated in combinations to connect said source through one or the other of said rectifiers either to one or the other side of said line or across the conductors thereof to operate the devices of said substations selectively by direct current of a particular polarity.

2,268,881
AUTOMOBILE LUGGAGE CARRIER
George H. Le Boeuf, Chicago Heights, Ill.
Application October 21, 1938, Serial No. 236,134
4 Claims. (Cl. 224—29)



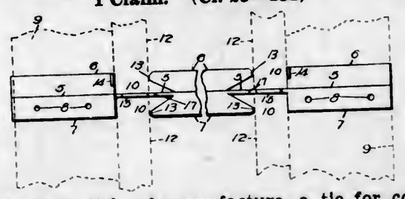
3. An automobile luggage carrier, comprising an enclosure adapted to rest upon an automobile top, a plurality of hook elements arranged to engage under ledges at the sides of the body of the automobile, tensioned resilient means connecting said hooks to said enclosure, additional connecting means carried by said enclosure, means on said hook members between the hooks thereof and said tensioned means engaging said last named connecting means, said last named connecting means being adjustable and adapted to be adjusted to relieve said resilient means from tension.

2,268,882
RELAY
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,397
10 Claims. (Cl. 200—93)



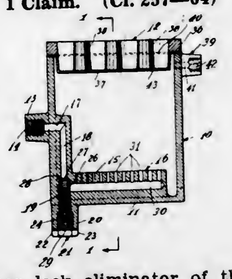
1. A polarized relay comprising, in combination, two polarizing coils and two control coils arranged in axially alined pairs with one control coil and one polarizing coil in each pair, the polarizing coils being arranged to produce magnetomotive forces of the same polarity with relation to respective ends thereof but the control coils being arranged to produce magnetomotive forces of opposite polarity with relation to their respective ends, an elongated armature core projecting axially through said pairs of coils, means supporting said armature for free endwise movement, switch means actuated in opposite senses by movement of the armature in respectively opposite directions, and means forming a low reluctance return path for flux set up in said armature core by said coils and extending from one end of said armature to the other end with a by-pass extending from its mid-portion and between said pairs of coils to a point adjacent the mid-portion of said armature.

2,268,883
CONCRETE FORM TIE
Kurt F. Lind, Denver, Colo.
Application May 22, 1939, Serial No. 274,956
1 Claim. (Cl. 25—131)



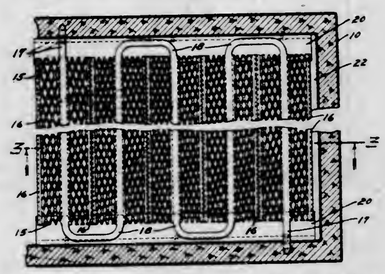
As an article of manufacture, a tie for concrete forms comprising a normally horizontal web having centrally located rigid flanges extending upwardly and downwardly respectively therefrom and running longitudinally thereof the longitudinal extent of said flange being substantially equal to the spacing desired between the form walls, the ends of said flanges being tapered outwardly to provide oppositely disposed areas of reduced size that are spaced away from said web and that are positioned to abut inner surfaces of the concrete form walls for spreading the same a predetermined distance apart, the web being of sufficient length to extend through and beyond the walls of the concrete form, and means on said web spaced from the ends of said flanges for contacting the exterior of the form walls to prevent them from spreading, the web being notched adjacent the ends of said flanges to provide a predetermined place of break-off after the concrete wall has set.

2,268,884
VAPOR LOCK ELIMINATOR
William J. Linn, Pittsburgh, Pa.
Application November 15, 1939, Serial No. 304,571
1 Claim. (Cl. 257—64)



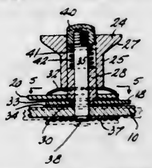
In a vapor lock eliminator of the class described adapted to be interposed between the fuel pump and the carburator of an internal combustion engine comprising a fluid reservoir having an inlet port and an outlet port, and a cover for said reservoir, said inlet port arranged in direct communication with a plurality of graduated discharge openings in the bottom portion within said reservoir adapted for breaking up and condensing vaporized fluid entering said reservoir from said fuel pump, additional means for condensing vapors accumulated in the upper region of said reservoir; the cover of said reservoir being provided with a downwardly extending cup-shaped bottom portion penetrating the interior of said reservoir and carrying a plurality of integral thimbles, open at the bottom, extending upwardly from said cup-shaped bottom portion and the outlet port of said reservoir being above the level of said cup-shaped bottom portion of said cover.

2,268,885
SHELF EVAPORATOR
William E. McCullough, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application November 17, 1939, Serial No. 304,997
7 Claims. (Cl. 62—99)



1. In a refrigerator of the type having an evaporator shelf, the improvement which comprises; an evaporator shelf formed from a single length of strip having a central tube and laterally extending fins homogeneous with the tube, the fins being removed from the tube at spaced intervals to permit bending the tube back upon itself, a fin of one run being secured to a fin of a contiguous run, the remaining parts of the fins being foraminous to permit circulation of air through the shelf.

2,268,886
CALCULATING DEVICE
Frank J. McNamara, Buffalo, N. Y.
Application October 17, 1939, Serial No. 299,858
7 Claims. (Cl. 235—83)

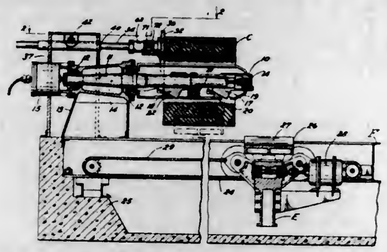


1. A calculating device comprising a plate having a series of mathematical graduations arranged thereon about an axis, a pair of indicators extending radially across the graduated face of said plate, a holding member on which said plate is mounted to swing about said axis, one of said indicators being mounted on said holding member to normally move therewith and the other indicator being frictionally held on said holding member to turn about the same relatively to said first mentioned indicator, and means extending through said holding member and operable at will for locking and unlocking said plate relatively to said holding member.

2,268,887
CENTERING DEVICE FOR PAY-OFF REELS
Elwin A. Matteson, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application July 9, 1940, Serial No. 344,516
5 Claims. (Cl. 242—79)

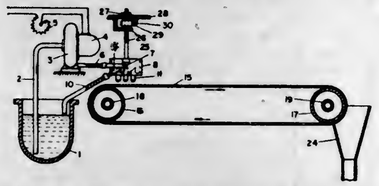
2. In a pay-off device embodying a mandrel adapted to support a coil of strip material thereon, a stop disposed above the mandrel, means for adjustably positioning the stop with respect

to the mandrel to position the coil of strip material thereon and additional means carried by



the stop to effect its advancement and retraction independently of the first named means.

2,268,888
MANUFACTURE OF FUSED CHEMICAL PELLETS
Francis C. Mericola, Wyandotte, Mich., assignor to Michigan Alkali Company, Wyandotte, Mich., a corporation of Michigan
Application March 28, 1939, Serial No. 264,577
7 Claims. (Cl. 83—91)



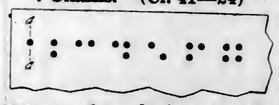
1. A method of forming fused chemical material into pellets comprising the steps of circulating the molten material into, through, and out of, a drop forming chamber, withdrawing a lesser portion of such material than that circulated in the form of droplets from said chamber and dropping them on a cooling surface to form solidified pellets, and controlling the temperature and fluidity of that portion of material instantaneously in said chamber by varying the rate of such circulation.

2,268,889
RAILWAY TRUCK
William H. Meyer, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application April 6, 1939, Serial No. 266,289
20 Claims. (Cl. 105—183)



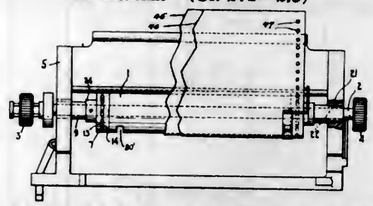
1. In a railway truck, four wheeled axles, equalizers between and carried upon the end axles and adjacent axles, and a truck frame including continuous rigid wheel pieces supported on said equalizers, there being a bolster member, with a center plate at the approximate level of said wheel pieces, for receiving the truck load and transferring it to said wheel pieces at points adjacent the points of support of the latter from said equalizers whereby said wheel pieces are substantially free of bending moments due to the truck load.

2,268,890
PRINTED MATTER FOR BLIND READING AND METHOD OF PRODUCING THE SAME
Walter A. Mortensen, Jr., Chicago, Ill.
Application March 31, 1939, Serial No. 265,110
7 Claims. (Cl. 41—24)



7. The process of producing raised characters of more than .013 of an inch in height for blind reading which comprises the steps of printing a slow-drying ink on a sheet to define blind reading characters, applying resinous powder to the printed sheet before the characters have dried, removing excess resinous powder which has not adhered to the printed characters, applying heat to the sheet and resinous powder to fuse the powder to the sheet, cooling the sheet to reduce the temperature thereof to below fusion point of said resinous powder, applying heat to the sheet in an amount sufficient to render the partially formed fused characters sticky but insufficient to raise the temperature of the sheet above fusion point of said resinous powder, again applying resinous powder to the sheet while the fused characters are sticky, removing the excess resinous powder which has not adhered to the sticky fused characters, applying heat to the sheet to fuse the second application of resinous powder, and then drying the fused material to form hard noncollapsible blind reading characters.

2,268,891
DRIVING MECHANISM FOR SHEETS OR BANDS
Emil L. Mueller, Rutherford, N. J.
Application April 8, 1939, Serial No. 266,898
12 Claims. (Cl. 271—2.3)

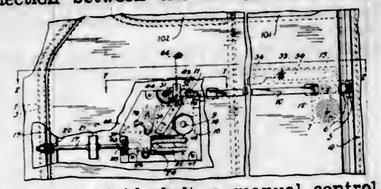


1. A pin driving mechanism comprising in combination an internal gear having internal gear teeth, a rotatably mounted shaft to which said gear is fixed, said shaft being concentric with and extending through said gear, a gear of less diameter than said internal gear and having gear teeth upon its outer periphery, means for rotatably mounting said gear of less diameter upon an axis eccentric to the axis of said internal gear and with its teeth in mesh with said internal gear teeth said means comprising an eccentric rotatably mounted on said shaft, and said gear of less diameter surrounding said eccentric and shaft and a series of driving pins in driving relation to said gear of less diameter.

2,268,892
AUTOMOBILE DOOR LOCK
Algott L. Nelson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1940, Serial No. 316,916
10 Claims. (Cl. 292—164)

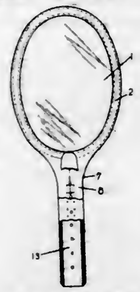
1. In a door hinged to a support and arranged

to be opened and closed and having a latch including a retractable bolt mounted on the door, the combination with said latch of energy storing means mounted on the door, a draft connection between the energy storing means and the stationary door support for energizing the energy storing means as the door is opened, a draft connection between the energy storing means



and the retractable bolt, a manual control for the energy storing means manually operatable to release the energy in said energy storing means whereby the stored energy is utilized to retract said bolt, and means operatable when the door is opened to render the manual control ineffective to release the energy in said energy storing means.

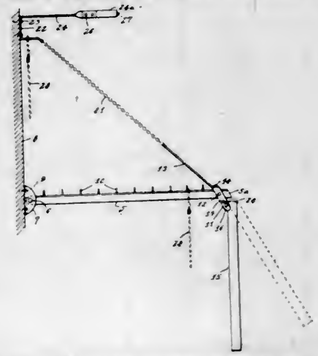
2,268,893
BAT
Andrew Nielsen, Portland, Oreg.
Application September 18, 1939, Serial No. 295,380
1 Claim. (Cl. 273—76)



A new article of manufacture comprised of a bat-forming central portion terminating in a handle-forming shank, bands disposed adjacent the edges of the bat-forming central section and disposed at opposite sides of the bat-forming central portion, each of said bands terminating in a shank similar to the shank of the central portion with said shanks being formed integral with the bands and shanks of the bands being split longitudinally, with said bands and shanks being secured to the central portion by stitching, tapered tongues disposed at the opposite sides of the shank with the tapered portion of the tongues being on the bat end of the shank and a handle-forming slat tapered at its bat-forming end being shorter than the tapered tongues and of lesser width and being disposed at the opposite sides of the shank and secured to each other and to the shank by rivets.

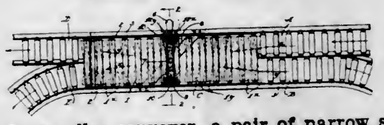
2,268,894
GARMENT RACK
Oscar H. Ogren, Rockford, Ill.
Application August 9, 1940, Serial No. 351,923
8 Claims. (Cl. 211—100)

1. In a clothes hanger, a hanger arm having mounting means at one end and pivotally mounted at this end to permit hinged movement in a vertical plane, flexible support means fixed at one end above the said mounting means of the hanger arm, the other end being attached to substantially the free end of the hanger arm, the said flexible means limiting downward movement of the said hanger arm to a horizontal position, a plurality of pins spaced along the hanger arm permitting sliding of the hangers there-



between, an outwardly projecting horizontal bar positioned above the said mounting means of the hanger arm, the free end of the said bar being adapted to engage the free end of the hanger arm at a point less than vertical in its upward arc, manual means for disengaging the said bar from the free end of the hanger arm, permitting the latter to return to a horizontal position.

2,268,895
CONVEYER SWITCH
Samuel Olson, Chicago, Ill.
Application June 29, 1939, Serial No. 281,917
3 Claims. (Cl. 193—36)

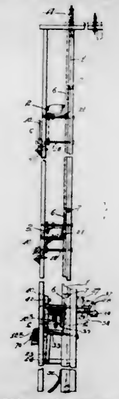


1. In a roller conveyer, a pair of narrow sections terminating side by side, a wider switching section, one end of which is at least as wide as the combined widths of the narrow sections and permanently adjoins them both, said switching section being composed of full length rollers each extending from side to side of the section and mounted for adjustment at various angles to the rollers of said narrow sections, and means for so adjusting said rollers to deliver loads from the switching section to either of the narrow sections selectively.

2,268,896
AUTOMATIC CONVEYER MECHANISM
Samuel Olson, Chicago, Ill.
Application February 10, 1940, Serial No. 318,283
10 Claims. (Cl. 198—38)

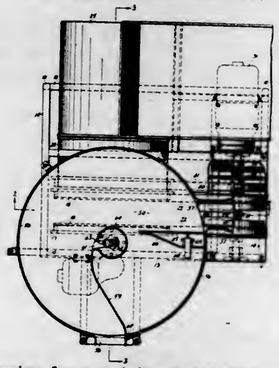
1. A conveyer system including a plurality of delivery stations, a conveyer having a load carrier arranged to traverse said stations, a normally inactive unloading device at each delivery station having a trip member operable to shift it to active position, the several trip members being positioned to register respectively with different points on the carrier as it passes, a shiftable selector slidably adjustable on the carrier for engagement with any one of said trip mem-

bers, a cam bar mounted adjacent the path of the carrier and movable to a position in which it extends obliquely across the path of the selector for shifting it as it traverses the bar, a slider having a uniform travel transversely of the cam



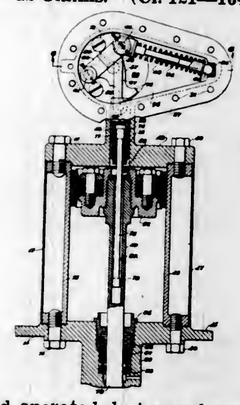
bar and a plurality of abutment pins carried by the bar and disposed in a series adjacent the path of the slider, with means for selectively projecting any one of said pins for encounter by the slider to determine the point to which the cam bar shall be moved by the slider.

2,268,897
CONTAINER HANDLING MACHINE
John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Substituted for abandoned application Serial No. 242,036, November 23, 1938. This application October 9, 1939, Serial No. 298,623
11 Claims. (Cl. 198—30)



1. A device for receiving tapered containers in a commingled mass and arranging the containers in upright position comprising a frame, a hollow drum journalled in the frame on a horizontal axis, a pair of annular members journalled in the frame, said members being arranged coaxially with said drum in juxtaposition to one end thereof, a pair of endless belts trained over said members and arranged in spaced apart relationship with their confronting edges adapted to engage the large ends of the containers, and said belts being operable to convey said containers in a predetermined position, said drum being operable to discharge the containers to said belts, and means carried by the frame and cooperable with said belts to effect transfer of the containers in upright position to a container receiving support.

2,268,898
FLUID MOTOR
James J. Pelouch, Cleveland, Ohio, assignor to The United States Air Compressor Company, a corporation of Ohio
Application May 6, 1938, Serial No. 206,469
12 Claims. (Cl. 121—164)



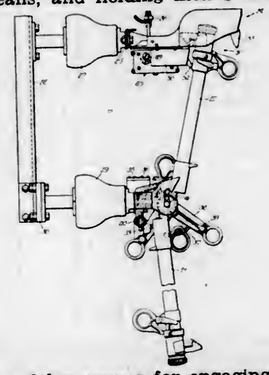
1. A fluid operated device and a valve mechanism therefor comprising, in combination, a cylinder, a piston reciprocally mounted in the cylinder, a valve for controlling the flow of fluid to and from opposite sides of the piston, said valve providing a restricted passage to the flow of fluid to the cylinder and an unrestricted passage to the flow of the fluid from the cylinder, said valve having a seat member and a valve member movable relative to each other, actuating means within one end of the cylinder and extending through the seat member for actuating the valve member relative to the seat member, said seat member and said valve member sealing the actuating member within the cylinder.

3. A valve mechanism comprising, in combination, a movable valve operated between two limits, a spring biased toggle linkage including two parts hinged together intermediate their ends, said movable valve having two spaced engaging means which are engaged by the toggle linkage intermediate its ends, bearing means for supporting one end of the toggle linkage, pivot means connected to the movable valve for supporting the other end of the toggle linkage, said spring biased toggle linkage and pivot means constraining the valve in either of its two limit positions until the valve is snapped over to its other limit position.

2,268,899
TIME DELAY RECLOSING FUSE MECHANISM
Allan Ramsey, Evanston, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application October 8, 1936, Serial No. 104,594
38 Claims. (Cl. 200—126)

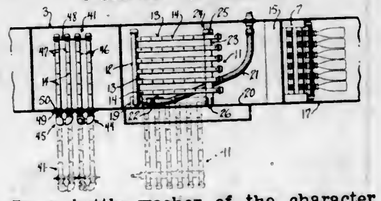
1. In combination, a fuse device rotatably mounted at one end for completing an electric circuit and disposed to be released at its other end on blowing thereof, switch means disposed to

be operated by said fuse device as it rotates for completing a circuit between its terminals, time delay means, and holding means controlled by



said time delay means for engaging said other end to restrain the rotation of said fuse device for a predetermined interval.

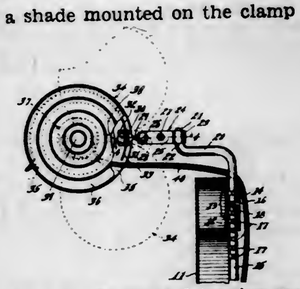
2,268,900
BOTTLE WASHER
Philip C. Read, Shorewood, Wis., assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis., a corporation of Wisconsin
Application September 19, 1940, Serial No. 357,341
6 Claims. (Cl. 141—7)



1. In a bottle washer of the character described: a housing having top and bottom walls connected by straight side walls to define a treatment zone through which bottles to be cleansed are conducted along a defined substantially horizontal path; a horizontal nozzle header unit in said housing adjacent to said treatment zone having a plurality of nozzles arranged to spray liquid toward the bottles being conducted through said treatment zone; and means wholly inside the housing for pivotally mounting said nozzle header unit from the housing for swinging movement thereof in a plane substantially parallel to the path of travel of the bottles from an operative spraying position within said treatment zone to an inoperative position exteriorly of the housing through a cut out portion in one of the side walls of the housing, said means including a nipple having one end connected with the nozzle header unit and its other end connected with a source of liquid.

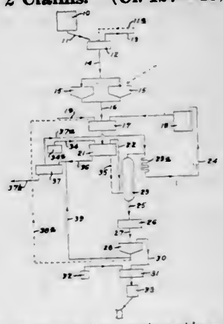
2,268,901
BED LAMP
Samuel L. Rubin, Chicago, Ill.
Application April 17, 1939, Serial No. 268,296
9 Claims. (Cl. 240—52)

6. An adjustable lamp comprising a socket, a post mounted in the socket and having a rigid horizontal supporting arm with an upstanding bearing portion, a clamp frictionally mounted on the bearing portion to swing horizontally and held at any angular adjusted position and a lamp including a shade mounted on the clamp with a



universal joint for horizontal turning movement and horizontal and vertical angular adjustment.

2,268,902
PROCESS FOR RECOVERY OF SUCROSE FROM IMPURE SUCROSE SOLUTIONS
John D. Ryan, Campbell, Calif.
Application May 21, 1938, Serial No. 209,175
2 Claims. (Cl. 127—46)



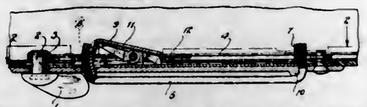
1. In the process for extracting sucrose from impure solutions the steps of taking impure solutions containing both sucrose and glucoso, withdrawing the precipitate from the first settlings of a sugar refining system or a plantation raw sugar system and mixing the same with the said impure solution, bringing the mixture to a concentration of between 40° and 45° Brix, inoculating the mixture with a pure strain of yeast capable of fermenting the invert sugars without any substantial effect upon the sucrose, adding an alkaline earth oxide or hydroxide to the fermented mixture sufficient to precipitate the impurities but insufficient to form a saccharate, adding alcohol in substantially equal volume to the ferment to further precipitate impurities, separating the clear liquor from the precipitated impurities, removing the alcohol, adding an acid to the purified and dealcoholized solution in a sufficient amount to precipitate the salts and bicarbonates of the alkaline earth oxide or hydroxide without inverting the sucrose, separating the sucrose solution from the precipitate, concentrating and crystallizing the sucrose in the presence of a footing of sucrose having a higher purity than the solution.

2,268,903
SPARK PLUG
Charles B. Sawyer, Cleveland Heights, Ohio, assignor to The Brush Beryllium Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 30, 1940, Serial No. 332,479
3 Claims. (Cl. 123—169)

1. A spark plug insulator composed of high-

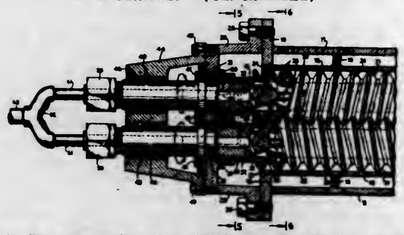
purity beryllium oxide having an apparent bulk density not in excess of about .35, said insulator being characterized by high thermal conductivity and a softening point above about 2000° C.

2,268,904
COMBINED PULL-TO AND LATCH LEVER FOR VEHICLE DOORS
Charles A. Schallis, Highland Park, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1940, Serial No. 335,731
4 Claims. (Cl. 292—1)



4. In an automobile latch control, the combination of a bolt operating lever, and a separate pull-to handle adjacent the lever, bolt operating connections connected with the lever and blocking means connected with and controlled by movement of the pull-to handle, said blocking means normally blocking movement of the operating connections until the pull-to handle which is connected therewith is forcibly moved to release the blocking means preparatory to the turning of said adjacent lever.

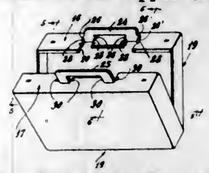
2,268,905
PRODUCTION OF SOLID CHILLED EDIBLE PRODUCTS
Gordon C. Schaub, Bayonne, and Jacob Schaub, Westfield, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Application June 30, 1939, Serial No. 282,020
6 Claims. (Cl. 62—114)



1. In apparatus for chilling a liquid to produce a solid edible product, a chilling chamber, means for introducing liquid to be chilled into said chamber, and a plurality of members within said chamber for kneading and rubbing congealed material and liquid, said members having relatively flat outer surfaces coacting to remove congealed material continuously from the surfaces of each other and having means pressed resiliently against the surface of said chamber to scrape material therefrom.

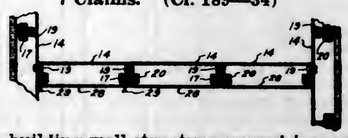
2,268,906
BOX
George Scheer, New York, N. Y.
Application January 5, 1940, Serial No. 312,477
3 Claims. (Cl. 229—52)

1. A closable box formed of a blank, comprising a pair of box sections hinged at their bottom end and adapted to enter one into the other; the upper end portion of the outer section being slantingly distended from the upper end portion of the inner section, handle members formed in each of said upper end portions, adapted to be bent up, inwardly from the free edges of said portions; a part of said free edges forming the top edge of said handles respectively, and when said handles are bent up, slots are formed in said upper end sections whereby the handle of one section may enter the slot in the other section whereupon said handles lie in surface abutment when the box is closed, a lug extending outwardly from the handle formed on the inner box section; the lower edge of said lug being above the surface of the upper end portion of



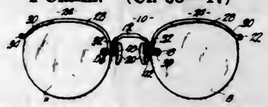
the inner box section, and a flap extending from the upper end portion of the outer box section, adapted to be folded to form a double wall part for said end portion; whereby upon closing the box, said lower edge of the lug will be in frictional contact with the outer surface of the upper end portion of the outer box section to maintain the box shut; said flap constituting an end of the blank and said upper end portion being provided with a slot in its outer ply into which the lug may enter and rest on the inner ply of said end portion when the box is closed, to lock the box.

2,268,907
PREFABRICATED BUILDING STRUCTURE
Charles H. Scott, Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 266,945
7 Claims. (Cl. 189—34)



1. A building wall structure comprising a number of panels of generally channel shape having spaced hook-like portions and having means for fastening a number of panels together between the planes thereof and said hook shaped portions, said hook shaped portions when in assembled relationship forming substantially tubular elements having longitudinal openings, insulating members disposed in said tubular portions and extending through said openings and being slotted in said extensions, and another number of panels of simple channel shape affixed to said insulating portions with the arms of said channels entering said slots.

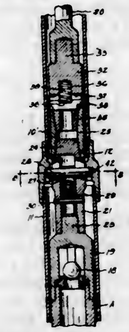
2,268,908
SPECTACLES
Joseph S. Shockey, Kansas City, Mo.
Application July 22, 1940, Serial No. 346,768
1 Claim. (Cl. 88—47)



In spectacles of the character described having a lens, a nose-piece, and a temple bow; a bar

interconnecting the nose-piece and temple bow comprising a body formed of a length of wire longitudinally arched to conform to the edge contour of the lens and spaced from the lens throughout its length; a portion extending laterally from the body and rearwardly from the lens having means at its free end for receiving one end of the temple bow; and a head on the other end of the body extending outwardly on each of two sides of the body, said head being provided with a pair of ears for engaging the nose-piece; said nose-piece including a bridge, an arcuate neck projecting rearwardly of said bridge and having a nose pad attached thereto for engaging the sides of the nostrils, the said ears engaging the upper and lower edges of said neck at a point proximal to and rearwardly of the bridge whereby the neck may be bent to move the pad from side-to-side between the ears as the body remains in its normal spaced position with respect to the lens.

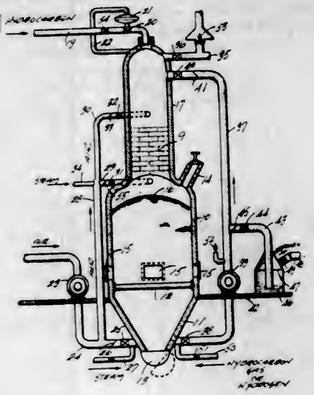
2,268,909
COUPLING
Otto Staerker, Gladewater, Tex.
Application June 18, 1938, Serial No. 214,414
14 Claims. (Cl. 103—226)



1. The combination with a well tubing having a pump plunger and pump rods reciprocable therein of a coupling including, a coupling member attached to the plunger, a collar connected to the coupling member by left-hand threads, an upper coupling member attached to the rods and connected with said collar by right-hand threads, said tubing having bleeder ports therein located above the plunger for establishing communication between the interior and exterior of the tubing, an annular valve member for closing said ports, and means on one of the coupling members for engaging said member to raise the same when the coupling is raised, whereby the bleeder ports are opened to permit the tubing to drain.

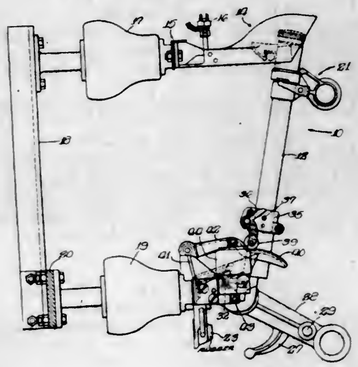
2,268,910
APPARATUS FOR MAKING HYDROGEN
Albert R. Stryker, Lawrenceburg, Ind., assignor of one-fourth to Chester Tietig, Covington, Ky.
Original application October 18, 1937, Serial No. 169,662. Divided and this application November 13, 1939, Serial No. 303,964
3 Claims. (Cl. 23—212)

1. An apparatus for producing pure hydrogen comprising a generator adapted to contain a deep bed of incandescent fuel, a dome above said generator, means for supplying air and steam to said generator, means for supplying hydrocarbons to said dome to a point adjacent the upper part of said checkerwork, means for voiding purged gases from said generator and piping from the lower portion of said generator directly to the upper part of said dome adapted to re-



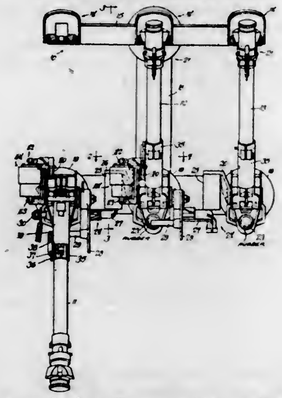
cycle said gas after passage through said fuel bed directly to said dome, an exhauster connected in said piping to so move said gas and an exit pipe connected to said recycling piping for voiding hydrogen.

2,268,911
TIME DELAY RECLOSING FUSE MECHANISM
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application August 20, 1936, Serial No. 96,928
35 Claims. (Cl. 200—126)



7. The combination, with a pair of rotatably mounted fuse devices and a transfer switch for shifting a circuit from one fuse device to the other in response to the rotation of said one device, of a lever disposed to move cooperatively with said one fuse device for closing said transfer switch, dash pot means disposed to delay the movement of said lever after blowing of said one fuse device thereby delaying the closure of said transfer switch, and means for adjusting said delay means to vary the interval required to effect closure of said transfer switch.

2,268,912
TIME DELAY MECHANISM
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Original application August 20, 1936, Serial No. 96,928. Divided and this application July 28, 1937, Serial No. 156,109
12 Claims. (Cl. 200—126)



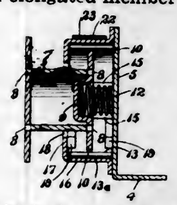
1. In a reclosing fuse device of the drop out type, in combination, a time delay device for determining the time interval between the blowing of one fuse and the closing of a transfer switch to reestablish the circuit through the next fuse, comprising a cylindrical housing having an end wall and a relatively movable wall, the relatively movable wall being provided with a restricting passage through which a fluid is forced to flow by relative movement between it and said end wall.

2,268,913
LEAD PIGMENT
Forrest L. Turbett and George J. Vahrenkamp, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 22, 1939, Serial No. 291,378
8 Claims. (Cl. 106—297)

2. As a new composition of matter a hydrated reaction product of a fused compound of lead oxide and silicon dioxide and characterized by a molecular structure within the approximate range $2PbO.SiO_2.H_2O$ to $3PbO.4SiO_2.H_2O$.

2,268,914
THEATER SEAT HINGE
Milford T. Vandervoort, Saginaw, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application November 3, 1938, Serial No. 238,497
12 Claims. (Cl. 155—86)

1. A hinge for theater seats or the like comprising, a member which includes a vertical leg adapted to be secured to a seat, a cylindrical housing fixed to said vertical leg having an outer end with a central opening therethrough, a cylindrical member extending through said opening, bearing shoes of substantially semi-cylindrical form within said housing bearing against the inner sides of the wall thereof, a plate connected to the inner end of said cylindrical member, channels connected lengthwise of and at the inner sides of the bearing shoes, said plate having arms extending into said channels, a coiled compression spring between said plate and the vertical leg to which the housing is attached, a second plate attached to the other end of said cylindrical member and adapted to be secured to a seat carrying standard, a coiled tension spring connected at one end with said vertically positioned leg at a distance from said cylindrical housing, a thin elongated member of sheet metal

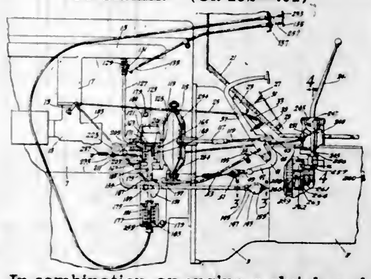


to one end of which the opposite end of the tension spring is connected, said sheet metal member extending to and partially around the outer side of the housing, and a pin connected with one of said bearing shoes and extending through the housing to which the other end of said thin metal member is connected, said housing having a slot therein through which the pin passes, said slot permitting a rotative movement of said housing about its cylindrical axis, as specified.

2,268,915
METHOD AND MATERIAL FOR DETOXIFYING LOCAL ANESTHETICS
Helene Wastl and Reinhard Beutner, Philadelphia, Pa., assignors to Hahnemann Research Foundation, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 27, 1939, Serial No. 276,236
2 Claims. (Cl. 167—52)

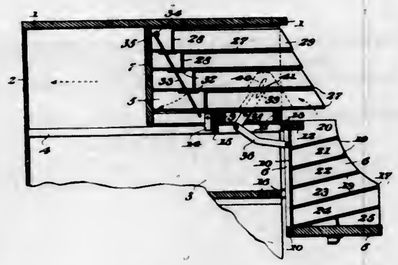
1. A detoxified local anesthetic comprising a mixture containing a member selected from the group consisting of procaine and butyn and an organic calcium salt selected from the group consisting of levulinate, lactate and salicylate.

2,268,916
MAIN CLUTCH CONTROL
Daniel C. Wilkerson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1932, Serial No. 636,718
52 Claims. (Cl. 192—.01)



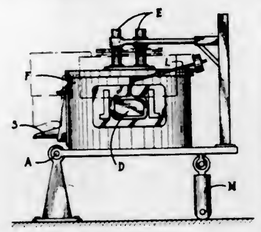
1. In combination, an engine, a clutch, a change speed transmission having a ratio changing means, power means to release the clutch, means operated by the first part of the movement of the ratio changing means from a driving position to render the power means operable to release the clutch, and additional means manually operable upon the said power means to permit said clutch to engage.

2,268,917
DRAWER FOR ARTICLES OF FURNITURE
Rudolf Abelmann, Himmelpfort, Germany
Application July 7, 1939, Serial No. 283,281
In Germany July 12, 1938
7 Claims. (Cl. 45—96)



1. A drawer for furniture comprising two sections having their bottoms jointed together, said sections consisting of a rear section with horizontal partition boards and back boards and a front section having partition boards with stepped upper ends of which the front section with the boards can swing downwardly through a right angle when the drawer is pulled out, the rear section, when the drawer is closed, having its partition boards with back boards disposed with their front edges vertically superposed said partition boards being slidably guided between the side walls of the rear section, a coupling between the sections, and means whereby the partition boards of the rear section are drawn into a stepped arrangement by the coupling when the drawer is pulled forwardly while the front section in its down turned position is supported on its bottom by a contact surface on the furniture, and the stepped partition boards of the downturned forward section forming a lower extension of the upper steps formed by the withdrawn partition boards of the rear section.

2,268,918
ROCKING ELECTRIC FURNACE VENTILATING SYSTEM
James R. Allan, Oak Park, and Frank H. Amos, Fox Lake, Ill., assignors to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application August 30, 1939, Serial No. 292,694
1 Claim. (Cl. 266—15)



A ventilating system for an electric melting furnace, having a spout opening, one or more other "charge" openings, through which furnace gases and dust escape to the outer atmosphere during operation, and a fixed furnace tilting axis below the level of said spout opening but more or less adjacent thereto, comprising: an exhaust hood extending over the top of the furnace and mounted thereon for movement therewith; said hood having a suction canopy—extending over and in open communication with the outer atmosphere adjacent the spout opening and each of the other charge openings to draw the escaping gases and dust into said hood—and an outlet manifold terminating in a depending sleeve; an exhaust system having a duct terminating near the furnace in substantially axial alignment with said fixed axis; and an elbow-pipe connection between said depending sleeve and duct, said pipe connection being telescopically fitted to the sleeve and rotatably mounted on the duct.

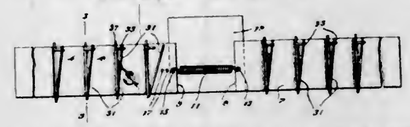
2,268,919
POLYAZO DYESTUFFS AND PROCESS OF MAKING SAME
Walter Anderau, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 25, 1940, Serial No. 337,317. In Switzerland June 10, 1939
10 Claims. (Cl. 260—153)

1. Process for the manufacture of polyazo dyestuffs, comprising coupling a diazotized aminoazo-dyestuff having as starting component a para-aminosalicylic acid and as middle component a compound of the general formula



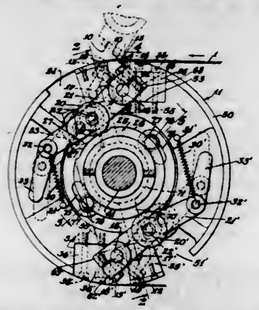
wherein R represents a benzene radical in which the substituents Y and OZ are placed in para position to one another and the amino group stands in ortho-position to OZ, and wherein Z represents the radical of a low aliphatic fatty acid which is united to the O-atom by means of a chain carbon atom, wherein further Y represents a member of the group consisting of alkyl, O-alkyl and O-aralkyl groups, with an aminonaphthol sulfonic acid linked to a 1:3:5-triazine radical by means of its nitrogen atom, the said triazine radical being further linked to at least one radical of a para-aminoazo dyestuff and containing in the remaining place a radical selected from the group consisting of substituted and unsubstituted amino groups.

2,268,920
HOLDER FOR FISHING TACKLE
Clarence Baumgartner, Iron River, Mich., assignor of twenty-five per cent to James Haydon, Iron River, Mich.
Application June 13, 1940, Serial No. 340,369
3 Claims. (Cl. 43—32)



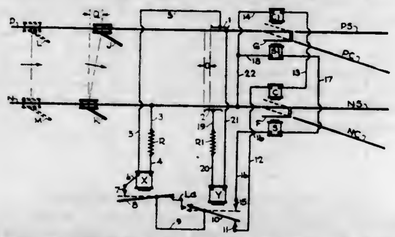
1. A fishing tackle holder comprising a metal band having a series of transverse depressions, fishing tackle receiving hooks having their base portions anchored in the depressions and means for holding the free ends of the band together.

2,268,921
DOUBLE GRIPPER CYLINDER
Louis Bischoff, Rupert Loeffler, Jr., and Edward T. Jaeger, New York, N. Y., assignors to Oneida Paper Products, Inc., New York, N. Y., a corporation of New York
Application April 20, 1938, Serial No. 203,030
1 Claim. (Cl. 93—8)



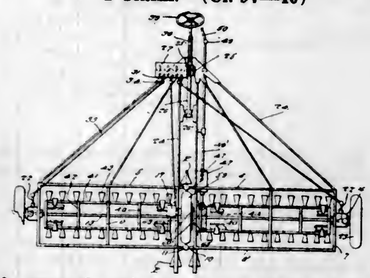
A gripper cylinder comprising a drum, a groove in said drum, a gripper arm in said groove, said gripper arm being mounted to rotate on a shaft to move against a wall of the groove, said gripper arm being actuated by a second arm, said second arm carrying a roller, said roller being actuated by a cam, said gripper arm being impelled against the wall of said groove by means of a spring, said spring being mounted at the end of said second arm, an extension mounted on said second arm for moving said gripper arm away from said wall.

2,268,922
AUTOMATIC CONTROL FOR TROLLEY FROGS
Everett C. Brown, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application October 7, 1937, Serial No. 167,687
11 Claims. (Cl. 191—38)



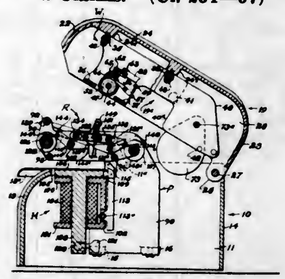
1. In a switching system for a pair of current collectors mounted on a vehicle, a pair of main trolley wires of opposite polarity and a branch wire for each main wire, a trolley frog at the intersection of each main and branch wire having a movable tongue for guiding a current collector on the vehicle either along the main wire or on to the branch wire depending on the position of the said movable tongue, means including a pair of operating coils associated with each frog for actuating its tongue in opposite directions, a single contact device located adjacent each main wire on the approach side of each frog so as to be electrically connected to its respective associated trolley wire during the passage of one of said current collectors therealong, and a relay selectively controlled by the engagement of the current collectors on the vehicle with the said contact devices dependent upon whether the current collectors both engage the contact devices at the same time or one in advance of the other and cooperative with one of said contact devices for selectively energizing the operating coils of the frogs, said order of engagement of the current collectors with the contact devices being dependent upon the angular position of the vehicle with respect to the main trolley wires.

2,268,923
COMBINED GROUND WORKING AND SOIL PULVERIZING MACHINE
James Russell Bryant, Strathroy, Ontario, Canada
Application August 3, 1940, Serial No. 350,751
1 Claim. (Cl. 97—40)



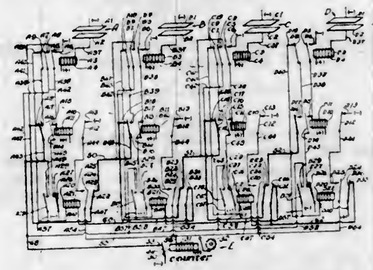
A ground pulverizer comprising a pair of frames, means swivelly connecting the frames in endwise relation, a toothed pulverizing drum rotatably mounted on each frame, drive means for the drums, wheels supporting the outer ends of the frames and a wheel also supporting the connected ends of the frame, means for vertically adjusting the frames on the wheels and including a rack and gear construction between the frames and the wheels, shafts for the gears and a common operating device for the shafts.

2,268,924
TIME STAMP
Benjamin Cooper, Jersey City, N. J.
Application March 31, 1939, Serial No. 265,291
2 Claims. (Cl. 234—57)



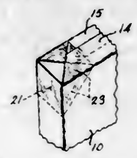
1. In a time stamp, a lower case, an upper case pivotally connected thereto, a printing type mechanism and a type mechanism advancing means wholly mounted in said upper case, whereby said type mechanism advancing means is operative when said upper case is swung away from the lower case, as well as when the upper case is in operative relation to the lower case, a printing platen and means for moving the same mounted in said lower case, a printing ribbon and printing ribbon advancing means supported by said lower case and projecting thereabove into the upper case, the printing ribbon being located beneath the type wheels and above the platen when the upper case is in operative position on the lower case, said type mechanism and type mechanism advancing means constituting a unit removable as a whole from the upper case, and the printing platen, moving means, printing ribbon and advancing means constituting a unit removable as a whole from the lower case.

2,268,925
TRAFFIC COUNTING CIRCUITS
Benjamin Cooper, Jersey City, N. J.
Application September 4, 1940, Serial No. 355,330
30 Claims. (Cl. 235—92)



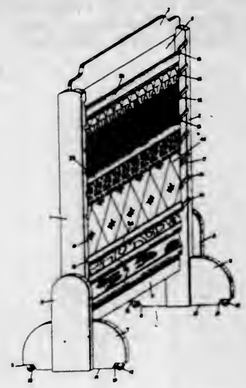
2. In apparatus for checking the traffic on a highway having more than two lanes, a treadle for each lane of the highway, adapted to be actuated by vehicles passing along said lane, a counting means including an electromagnet, means to energize said electromagnet upon actuation of any of said treadles, when said treadles are actuated either alone or substantially simultaneously and to prevent making a count on said counting means upon actuation of any treadle if said treadle is not restored to initial condition, and including means to prevent more than one count on said counting means upon actuation of a treadle irrespective of the duration of actuation thereof.

2,268,926
CIGARETTE PACKAGE
Edward F. Cornock, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application February 3, 1940, Serial No. 317,093
6 Claims. (Cl. 229—51)



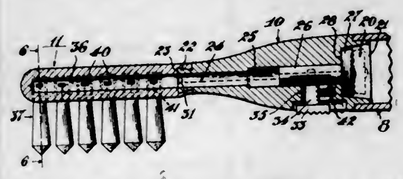
1. A package comprising an article, a wrapper encircling the article and presenting an unbroken surface across the top face and a pair of adjacent faces thereof and having overlapping side folds on a side adjacent said top and intermediate said faces, and a tearing strip underlying a portion of the top face of the wrapper, extending diagonally across said adjacent faces, and thence extending underneath each of said overlapping flaps whereby when the tearing strip is pulled the wrapper will be torn off from around one corner of the top and from the faces and side adjacent thereto, the ends of said tearing strip being positioned out of alignment with each other.

2,268,927
DISPLAY RACK
William E. Demme, Portland, Oreg.
Application July 5, 1938, Serial No. 217,424
6 Claims. (Cl. 211—45)



2. In a device of the class described comprising in combination with a display rack, a pair of clamps made from spring sheet material with the clamps being bent between their ends to form a U having spaced legs with the bend being rounded and made to accommodate a rod therein with the rod being of suitable diameter to permit the placing of a sheet there around and for the rod and sheet being inserted within the clamp and for locking the sheet upon the bar when the rod and sheet are so inserted and means for supporting the longer rod upon the rack.

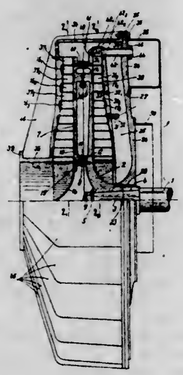
2,268,928
FOUNTAIN TOOTHBRUSH
Harold Palmer Duey, Los Angeles, Calif.
Application November 8, 1939, Serial No. 303,414
8 Claims. (Cl. 15—138)



1. In a fountain tooth brush, a head having bristles thereon and a passage and ports therein through which liquid may be applied to said bristles, a tubular handle connected to said head and having its bore communicated at one end with said passage, a pump piston reciprocable in and dividing said bore so that the portion between the piston and the outer end of the bore may serve as a liquid reservoir and portion between said piston and said passage may serve as a pump barrel, means affording the introduction of liquid into the reservoir portion of said

bore, said handle having a passage therein apart from said bore for by-passing liquid around said piston from the reservoir portion to the pump barrel portion of said bore, means for reciprocating the piston, and a valve member between the piston and the reservoir portion of the bore for controlling said by-pass passage responsive to the strokes of the piston.

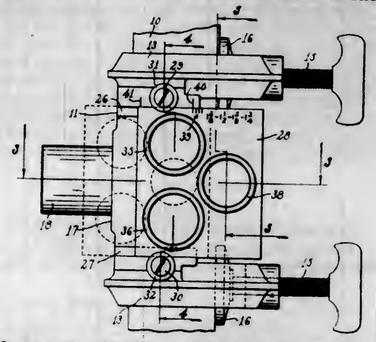
2,268,929
COMPRESSOR OR THE LIKE
Emile Dupont, Antibes, France
Application July 28, 1939, Serial No. 287,166
In France February 3, 1939
3 Claims. (Cl. 230—131)



1. In a rotary impeller unit, a substantially flat rotor having on each of its two radial faces a series of concentric mutually spaced ring arrays of rotor impeller blades, a stator comprising a casing surrounding said rotor and having two inner radial faces each provided with a series of concentric mutually spaced ring arrays of stator impeller blades which are positioned to interstitially occupy the ring spaces between said ring arrays of rotor impeller blades, an axial fluid connection to outside said casing, peripheral fluid connections to outside said casing, said rotor and stator comprising path defining means for defining a fluid path from said axial connection radially outwardly through a first said series of ring arrays on one rotor face, thence radially inwardly through a clear channel inside said casing which extends along the inside of the outer wall thereof, and thence radially outwardly through a second said series of ring arrays on the other rotor face to said peripheral external connection.

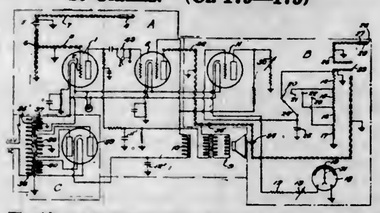
2,268,930
MORTISING GAUGE
William S. Edwards, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application January 24, 1941, Serial No. 375,707
7 Claims. (Cl. 77—62)

1. A mortising gauge for use in mounting a lock upon a door, said gauge comprising a body member, means for clamping said member upon the door with a portion of the body member disposed against the edge of the door, a slide movably carried by said portion to be shifted horizontally thereon, tool-locating means carried by said slide, a portion of said member extending at right angles to said slide to abut a face of



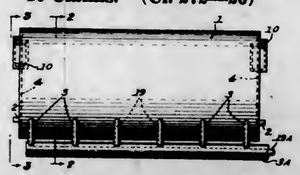
the door, and additional fixed tool-locating means carried by said last-named portion.

2,268,931
AUDIO AMPLIFIER ANALYZER
William M. Essary, Corinth, Miss., assignor to W. L. McPeters, Corinth, Miss., as trustee
Application November 12, 1940, Serial No. 365,383
10 Claims. (Cl. 179—175)



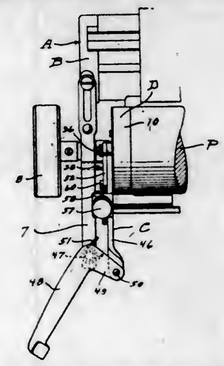
1. Testing instrument for testing the audio signal in any radio amplifying system comprising a high gain plural stage audio amplifier including an in-put tube and an out-put tube, a testing probe connected to the grid of the in-put tube and a dynamic loud speaker connected to the plate of the out-put tube, and a condenser interpositioned in the in-put circuit between the probe and grid of the in-put tube, said condenser being of such small capacity as to reduce the in-put capacity of said amplifier to a point at which the interposition of said instrument in the circuit being tested will not appreciably effect said circuit.

2,268,932
CONTRIVANCE FOR AMUSEMENT AND ENTERTAINMENT
Elbrige Gatewood, New York, N. Y.
Application September 14, 1938, Serial No. 229,901
10 Claims. (Cl. 272—26)



5. A means of entertainment consisting of a tunnel with the ends partially closed around the circumference but with openings in the center, with water flowing around in the tunnel at a velocity which overcomes the force of gravity and leaves a means of passage clear of water through the tunnel, and means of inducing and keeping up the velocity of the water without interfering with the open passageway.

2,268,933
MICROMETRIC LINE SPACER MECHANISM FOR TYPEWRITERS
Frank L. Graham, Olympia, Wash.
Application August 21, 1939, Serial No. 291,253
11 Claims. (Cl. 197—114)



1. A line spacing mechanism for typewriter platens, comprising a clutch unit upon one end of the platen embodying a drive cam and a stop cam acting in opposed relation upon the platen to that of the drive cam, a clutch element for each cam normally free of any clutching action for clutching each cam to the platen, actuating means for actuating the drive cam for causing a clutching action of the clutch element of the drive cam to the platen to thereby impart line spacing movement to the platen, and adjusting means on the actuating means and operating the stop cam subsequent to the actuation of the drive cam for causing a clutching action of the clutch element of the stop cam to the platen for stopping movement of the platen.

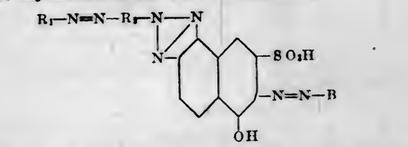
2,268,934
ARTICLE HOLDER
Michael L. P. Hagerty, Detroit, Mich.
Application June 13, 1939, Serial No. 278,933
1 Claim. (Cl. 206—38)



A combined holder for tobacco articles and matches comprising a container having a wall with a pair of substantially parallel spaced slots therein, and inwardly extending projections connected to said wall adjacent the mutually remote edges of said slots, one of said projections having a portion disposed substantially perpendicular to said wall whereby to provide an abutment for supporting the bottom edge of a match packet, the other projection being substantially rigidly inclined at an acute angle to said wall in the direction of the other slot whereby to provide a guide for directing the flap of a match packet outwardly through the adjacent slot after it has been threaded inwardly through the remote slot along the inner surface of the wall.

2,268,935
DYESTUFFS OF THE TRIAZOL SERIES AND PROCESS OF MAKING SAME
Walter Hanhart, Riehen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 12, 1940, Serial No. 345,241. In Switzerland July 29, 1939
15 Claims. (Cl. 260—157)

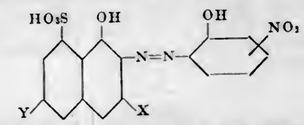
10. Dyestuffs of the general formula



in which R_1 represents the radical of a benzene nucleus containing the salicylic acid grouping, R_2 represents the radical of a tetrazotizable diamine, and B stands for the radical of a diazo compound of the benzene series.

2,268,936
AZO DYESTUFFS AND THEIR MANUFACTURE
Armin Hasler and Achille Consetti, Basel, and Adolf Krebser, Riehen, near Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 24, 1939, Serial No. 306,030. In Switzerland December 2, 1938
8 Claims. (Cl. 260—200)

1. The o,o'-dihydroxyazodyestuffs of the formula

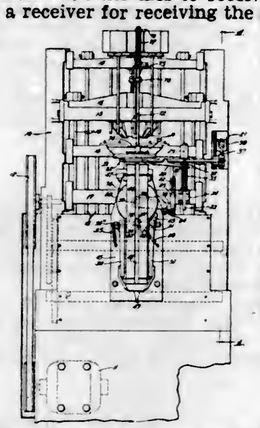


wherein X means a member of the group consisting of a sulphamide group twice substituted at the nitrogen by a member of the group consisting of alkyl and phenyl radicals, and phenylsulphone group, and Y means one member of the group consisting of hydrogen and the same groups as X, said coupling products, when treated with metal yielding agents, constituting dyestuffs having a good equalizing power and giving very pure dyeings of good fastness to light and milling.

2,268,937
EJECTING MEANS FOR CAP FORMING MACHINES
Leo M. Harvey, Los Angeles, Calif.
Application October 16, 1940, Serial No. 361,331
13 Claims. (Cl. 93—60)

1. In a cup forming machine having a series of coacting dies for shaping the cups, the combination of, an ejector for removing the cups from the dies, means for operating the ejector

in synchronism with the dies to receive the finished cups, a receiver for receiving the cups from



the ejector, and means for compacting the cups in the receiver.

2,268,938
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application April 15, 1940, Serial No. 329,829
4 Claims. (Cl. 219—4)

1. An electric contacting element containing .05 to 3% tellurium, .25 to 5% cadmium, balance substantially all copper.

2,268,939
ELECTRIC CONTACT
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Original application April 15, 1940, Serial No. 329,829. Divided and this application April 1, 1941, Serial No. 386,305
1 Claim. (Cl. 200—166)

An electric contactor contact containing .05 to 3% tellurium, balance copper.

2,268,940
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Original application April 15, 1940, Serial No. 329,829. Divided and this application April 1, 1941, Serial No. 386,306
2 Claims. (Cl. 200—166)

1. An electric contacting element containing .05 to 3% tellurium, .1 to 10% of an intermetallic compound selected from the group consisting of the phosphides, beryllides, silicides and alumnides of chromium, zirconium, beryllium, titanium, nickel, cobalt, iron and manganese and the balance substantially all copper.

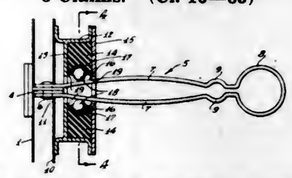
2,268,941
FLY GUARD FOR SCREEN DOORS AND LIKE
Walter G. Horstman, Des Moines, Iowa
Application June 3, 1940, Serial No. 338,516
2 Claims. (Cl. 156—14)

1. In combination with a door frame having a swinging door, two bracket members secured to said frame, a rod arm extending from each of said brackets first outwardly in a horizontal plane then upwardly and rearwardly in a curved path



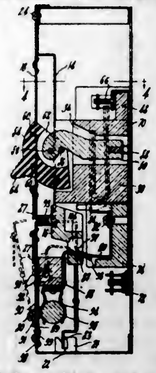
and then downwardly and at an angle to its length for frictionally engaging the frame to which its bracket is secured, and a flexible shield having its two end portions fastened to said two arms respectively.

2,268,942
DOOR CHECK
Rex C. Jacobs, Detroit, Mich.
Application April 29, 1937, Serial No. 139,829
3 Claims. (Cl. 16—85)



1. In a door check, a lengthwise movable element having a pair of spring arms bowed outwardly away from each other and united at one end thereof, an attachment portion on the opposite end of said movable element spaced from said united end, bearings engaging opposite sides of said movable element, and resilient means yieldingly urging said bearings into yielding engagement with said spring arms, said movable element having projections with opposed cam surfaces spaced apart from said united end and adapted to act respectively in conjunction with said bearings in impelling lengthwise movement of said movable element in opposite directions.

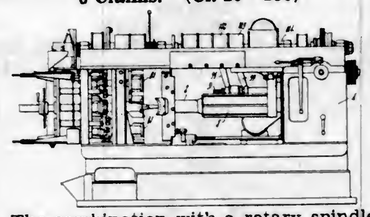
2,268,943
FUSED SWITCH BOX
Ernest G. Johansson, Watertown, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application June 11, 1938, Serial No. 213,223
5 Claims. (Cl. 200—168)



1. In an electric switch, a block of insulating material having a central aperture therethrough

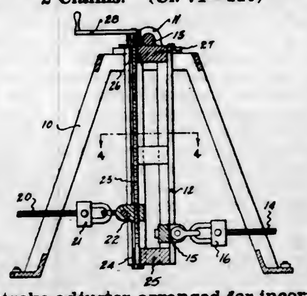
and a pair of channels in the rear face thereof, a pair of hairpin-shaped spring metal members mounted in said channels with the front arms of said members bearing against said block, a pair of contact elements mounted on said block behind the rear arms of said sping members and normally engaged thereby, and means for separating said rear arms from said contact elements against the force of said spring, said means including a crosshead engaging said rear ams, a link extending through said aperture and connected to said crosshead, and a toggle element connected to said link.

2,268,944
THREADING MECHANISM
George W. Jones, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application November 25, 1939, Serial No. 306,095
6 Claims. (Cl. 10—136)



1. The combination with a rotary spindle and means for rotating said spindle, of mechanism comprising a rotary threading tool for cutting threads on work carried by said spindle, means for rotating said tool at a speed different from that of said spindle, means including a motor for rotating said tool at a speed different from that of said spindle and in the reverse direction to the speed differential between said spindle and tool produced by said first mentioned tool-rotating means, means for presenting said tool to the work carried by said spindle while said speed differential due to operation or lack of operation of said motor is in the direction to feed the tool with respect to the work, and means effective after a predetermined amount of feed to produce by control of said motor to the reverse condition the opposite speed differential to retract the tool from the work.

2,268,945
STROKE ADJUSTER
Kork Kelley, Wichita Falls, Tex.
Application April 8, 1940, Serial No. 328,562
2 Claims. (Cl. 74—110)



1. A stroke adjuster arranged for incorporation in a reciprocable rod line, a supporting structure, a frame pivotally mounted for swinging movement at one end to said supporting structure, said frame comprising a pair of confronting channel members defining spaced apart tracks, a screw rod journaled at either end in bearings mounted in either end of said frame, a cross-head movable longitudinally in either of said tracks, one of said cross-heads having an internally threaded opening to receive said screw rod, means for stationarily securing said companion cross-head in its track, means on either cross-head for securing sections of said rod line thereto and means for rotating said screw rod whereby to vary the length of stroke of said rod line during reciprocation thereof.

2,268,946
PHENOL MODIFIED ETHERS
William Krumbhaar, New York, N. Y.
No Drawing. Application May 13, 1940, Serial No. 334,977
8 Claims. (Cl. 260—613)

1. A reaction product of a monomeric alkyl phenol alcohol in which the alkyl group contains from 4 to 5 carbon atoms with a polyhydric alcohol reactive therewith to form a monomeric ether alcohol, said product being a monomeric phenolic ether alcohol soluble in aromatic hydrocarbons, insoluble in aliphatic hydrocarbons, on heating forming a condensation product which remains fusible and soluble, and exhibiting pronounced reactivity with acidic substances.

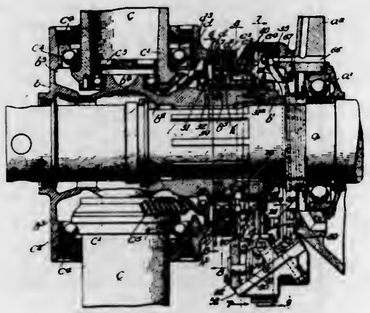
2,268,947
PHENOL MODIFIED ESTERS
William Krumbhaar, New York, N. Y.
No Drawing. Application July 6, 1940, Serial No. 344,271
12 Claims. (Cl. 260—19)

1. The method of producing reaction products which comprises reacting an alkyl phenol in which the alkyl group contains from 4 to 5 carbon atoms with formaldehyde under conditions to produce a monomeric alkyl phenol alcohol, reacting at a temperature below 40° C. under a vacuum of not above about 30 mm. pressure said monomeric alkyl phenol alcohol with a polyhydric alcohol reactive therewith to produce a monomeric etherified alkyl phenol alcohol, and esterifying the resulting etherified alkyl phenol alcohol with an acid.

2,268,948
CONTROLLABLE PITCH PROPELLER
Glen T. Lampton, Paul F. Hackethal, and Arthur T. Briggs, Williamsport, Pa., assignors to Aviation Manufacturing Corporation, Williamsport, Pa., a corporation of Delaware
Application June 7, 1937, Serial No. 146,822
12 Claims. (Cl. 170—163)

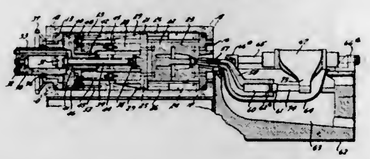
1. In a controllable pitch propeller, the combination with a shaft, a hub rotatable by the shaft and propeller blades rotatably mounted in the hub for pitch variation, of a driving element around and fixed to the shaft, a driven element around and rotatable relatively to the shaft, said elements having confronting friction faces on their sides, gearing operable by said driven element for rotating the blade for pitch-variation, an idler pulley having friction faces on opposite sides thereof between, and for respectively engaging, the confronting friction faces of said element and angularly movable to engage relatively different radii of its faces with the confronting faces of the elements on relatively different radii of the elements for driving the driven

element at different speeds to operate the gearing for pitch-variation, and means for shifting the pulley angularly to drive the driven element



at different speeds for pitch-variation and for pressing the pulley angularly to force its opposite faces into engagement with the confronting faces of the elements, respectively.

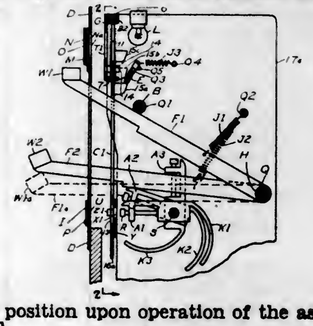
2,268,949
DIE CASTING MACHINE
Albert F. Lehmann, Detroit, Mich.
Application October 23, 1939, Serial No. 300,742
7 Claims. (Cl. 22—92)



5. In a machine of the character described, a frame including a plurality of spaced longitudinally-extending rails positioned to provide a slideway and opposite end members mounted on said frame, a die member secured to one of said end members, a carrier member slidably guided by said slideway, a die member carried by said carrier member and cooperable with said first-named die member, a second carrier member slidably adjustable along said slideway, a rotatable member carried by said second-named carrier member, and means on said first-named carrier member and on said second-named carrier member cooperable by rotation of said rotatable member to hold said movable die member in closed position with respect to said first-named die member.

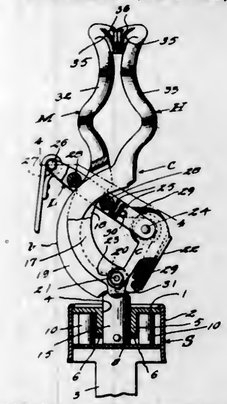
2,268,950
STATION INDICATING MEANS FOR AUTOMATIC TUNERS
Le Roy J. Leishman, Los Angeles, Calif.
Application December 1, 1937, Serial No. 177,434
9 Claims. (Cl. 116—124.1)

1. In a radio tuning apparatus having a movable control element and a plurality of means for effecting the movement of said element each to a predetermined position and each comprising an independently operable manual, indicating means including, in combination, a light source; an index tab for each of said manuals; a movable shutter for each index tab adapted to screen said tab from light from said source when said shutter is in a restive position; and a plurality of means each individual to one of said manuals for moving the associated shutter from said



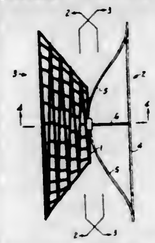
restive position upon operation of the associated manual.

2,268,951
ARTIFICIAL HAND
William A. McElroy, South Jacksonville, Fla.
Application December 29, 1939, Serial No. 311,674
2 Claims. (Cl. 3—12)



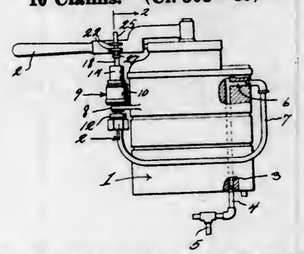
1. An artificial hand comprising a supporting member and a clamp structure, said supporting member comprising a collar, a plate closing an end of the collar and having a central opening, a sleeve carried by the plate and extending inwardly of the collar, the bore of the sleeve being in continuation of the opening in the plate, a second plate within the collar for movement toward or from the free end of the sleeve, yielding means for constantly urging the second plate toward the inner end of the sleeve, said inner end of the sleeve being provided therearound with spaced recesses, a wall of the bore of the sleeve being provided therealong with a key slot continued through the first plate, a shaft comprised in the clamp structure insertable through the opening in the first plate and the bore of the sleeve, said shaft being of a length to extend beyond the inner end of the sleeve of contact with the second plate, and a laterally disposed lug carried by the inserted end portion of the shaft to selectively engage within one of the recesses to lock the shaft against rotation with respect to the first plate, the contact of the second plate with the inserted end of the shaft maintaining the lug within the recess, said shaft being of a length to allow the same to be moved against the action of the second plate a distance sufficient to free the lug from the recess to permit rotation of the shaft, the lug of the shaft passing through the slot upon insertion of the shaft or upon removal of the shaft.

2,268,952
HAIR CURLER
Elizabeth W. McElwain, Louisville, Ky.
Application December 9, 1940, Serial No. 369,269
4 Claims. (Cl. 132—40)



1. A hair curler comprising: a hub about which hair may be curled; and means for releasably clamping the hair axially, said means presenting opposed face sections extending outwardly from the hub with their hub ends permanently secured to the hub, the hair being clamped axially between the adjacent faces of said section which faces are axially separable to permit the hair to be curled about or removed from the hub.

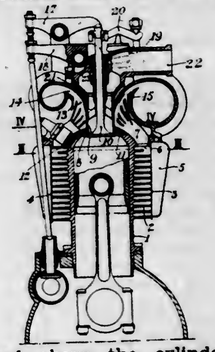
2,268,953
LOCOMOTIVE BRAKE CONTROL ATTACHMENT
Edward S. McGee, Atlanta, Ga.
Application March 29, 1941, Serial No. 385,946
10 Claims. (Cl. 303—40)



1. In an air brake system having an automatic brake valve and an application release line, a control valve, means connecting said control valve with the application release line, and means facilitating the actuation of said control valve for releasing air from the application release line coincident with the application of the automatic brake valve to service position.

2,268,954
AIR COOLING DEVICE FOR INTERNAL COMBUSTION ENGINES
René Marais, Paris, France, assignor to Société Anonyme André Citroën, Paris, France
Application December 28, 1939, Serial No. 311,433
In France December 29, 1938
2 Claims. (Cl. 123—171)

1. Apparatus for moving a cooling gaseous medium over a cylinder of an internal combustion engine having a cylinder head comprising, a valve in the cylinder head for evacuating combustion gases from the top of the cylinder and axially thereof, an annular casing surrounding the top portion of the cylinder having at least one inlet for admitting gaseous fluid medium, a housing formed with an outlet and arranged concentrically with respect to the axis of the cylinder above said casing, said housing having a spiral-shaped interior with the cross-section increasing towards said outlet, a series of noz-

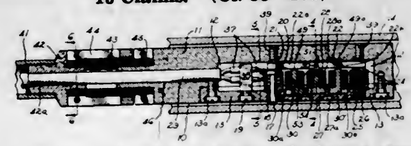


zles arranged above the cylinder head and around said valve having outlet orifices adjacent the periphery of the outlet valve, means communicating the casing with said nozzles so that the cooling medium passes in contact with the cylinder and the cylinder head, and means directing the discharge of said nozzles into said housing.

2,268,955
BACTERIAL PRODUCT AND BACTERIA STRAIN AND PROCESS OF PRODUCING THE SAME
Rolf Meier, Basel, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application May 3, 1938, Serial No. 205,809. In Switzerland May 19, 1937
8 Claims. (Cl. 167—78)

1. A process for the manufacture of bacterial products and bacteria strains, which comprises cultivating bacteria on a nutrient not foreign to the body and consisting of plasma.

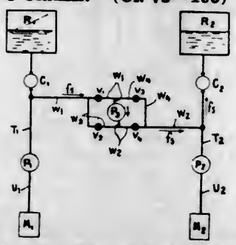
2,268,956
ELECTRIC GAUGE
Ricardo Mestas, Los Angeles, Calif., assignor to Kobe, Incorporated, Huntington Park, Calif., a corporation of California
Application September 14, 1937, Serial No. 163,807
13 Claims. (Cl. 33—178)



1. In an electric measuring device: a source of current of rapidly varying potential; a primary coil electrically connected to said source; two secondary coils arranged to have induced therein by said primary coil electric potentials of normally equal magnitude; a first series connection connecting said secondary coils additively in series relationship; two electric devices of substantially equal impedance; a second series connection connecting said electric devices in series relationship; means for connecting the series

connected secondary coils across the series connected electric devices; a potential meter electrically connected between the said series connections; and a mechanically movable element for unbalancing the potentials across said secondary coils by changing in opposite directions the reluctance of both flux paths respectively linking said secondary coils with said primary coil.

2,268,957
SYSTEM FOR SUPPLYING AND METERING LIQUID FUEL TO MOTORS
Bernard Gabriel Marie Muselier, Paris, France, assignor to Jean Faure Herman, Boulogne-sur-Seine, France
Application August 28, 1939, Serial No. 292,331
In France September 12, 1938
3 Claims. (Cl. 73—195)



1. Means for distributing and measuring liquid fuel to a plurality of engines, comprising, in combination, a fuel tank, a pipe line connecting one of said engines and tank and having therein a motor operated pump and a meter having a uni-directional driving device, a second tank, a second pipe line connecting a second of said engines and tank and also having therein a motor operated pump and a meter provided with a uni-directional driving device, and transfer conduit means connecting said first and second pipe lines for conveying liquid fuel from one tank to the other when the supply in the tank serving one motor has been depleted, said means comprising a pair of transfer pipe sections having their outer ends respectively connected with said first and second pipe lines, a manually operated pump having its intake connected to one of said transfer pipes and its outlet connected to the other of said pipes, cut-off valves in each transfer line and respectively located between the intake for the manually controlled pump and said first mentioned pipe line and between the outlet side of said pump and the second mentioned pipe line, a by-pass including a cut-off valve connecting the outlet side of the manually controlled pump with the first transfer pipe line between the cut-off valve therein and said first pipe line, and another by-pass including a cut-off valve connecting the intake side of said manually operated pump and the second transfer line at a point between the said cut-off valve therein and the second mentioned pipe line.

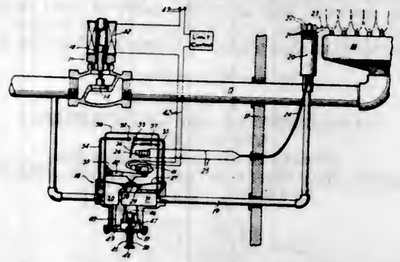
2,268,958
LUGGAGE CARRIER
Robert Parten, Minneapolis, and Ward M. Parten, Wayzata, Minn.
Application April 24, 1939, Serial No. 269,672
2 Claims. (Cl. 224—29)

1. A device of the kind described comprising a lower spring metal clamping bar and a co-operating upper spring metal clamping bar, said lower clamping bar having feet for supporting the device on the top of an automobile transversely thereof, the end portions of the lower clamping bar extending outwardly of the two outermost feet, which are primarily held by the lower clamping bar above and out of contact with the top of the automobile, means attached to the outer ends of the lower clamping bar by which said bar may be bowed to bring the two



outermost feet onto the top of the automobile and then attached to the automobile for anchoring the device thereto and thereby holding the lower clamping bar bowed with the feet yieldingly pressed onto the top of the automobile, and means connecting the two clamping bars to permit lost motion therebetween during bending thereof.

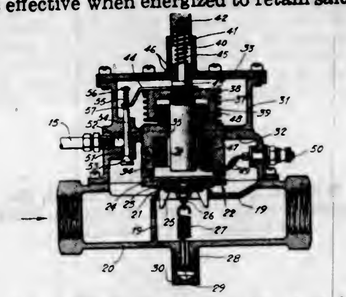
2,268,959
BURNER CONTROL SYSTEM
William A. Ray, Glendale, Calif.
Application August 28, 1939, Serial No. 292,322
4 Claims. (Cl. 158—117.1)



1. In a burner control system: a main burner; a conduit for supplying fuel to the main burner; an electrically operated valve in the conduit; a pilot burner; a pipe for supplying fuel to the pilot burner and connected to the conduit ahead of said main valve; a thermoelectric device heated by the flame of the pilot burner; and mechanism connected in said pipe comprising a valve body, a diaphragm forming in the body a pressure chamber, a valve closure member connected to the diaphragm for controlling the passage of the fuel to the pilot burner, said diaphragm being operated by fuel pressure in the pressure chamber, means operable by power from the thermoelectric device for controlling the pressure in said chamber, and an enclosed tiltable mercury switch in said chamber for controlling said main valve and operated in response to movement of said diaphragm to valve opening position.

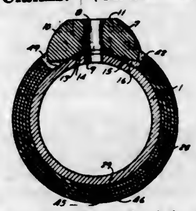
2,268,960
FLUID CONTROL VALVE AND ELECTRO-MAGNETIC OPERATOR THEREFOR
William A. Ray, Glendale, Calif.
Application April 15, 1940, Serial No. 329,719
9 Claims. (Cl. 137—139)

1. In combination: an electromagnet comprising a core, an energizing coil therefore, and an armature; said core being mechanically movable between a first position, wherein when energized by current flow in said coil it is effective to attract said armature through space, and a second position, wherein it is ineffective to attract the armature; and independent electromagnetic means effective when energized to retain said core



in its first position only when the same is first mechanically moved to that position.

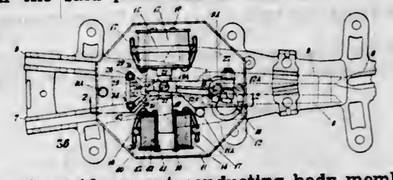
2,268,961
VESSEL FOR CONTAINING HIGH PRESSURE FLUIDS
Gwynne Raymond, Merl D. Creech, and Ralph L. Feagles, Oklahoma City, Okla.
Original application December 5, 1938, Serial No. 244,076. Divided and this application March 10, 1939, Serial No. 261,000
5 Claims. (Cl. 220—3)



5. A laminated vessel subject to internal pressure including, a relatively thin walled tubular shell, heads secured to the ends of the shell and having an inner radius approximately corresponding to the inner radius of the shell and of a thickness so that the outer radius is greater than the outer radius of the shell to provide one side of a welding groove, a plurality of sheet metal layers encircling the shell, one continuous with the other to substantially the depth of the welding groove, and welding material filling the welding groove and connecting adjacent edges of the layers with said heads, said layers having prefixed hoop tension resisting forces between said heads in both axial and circumferential directions of the vessel under internal pressures contained in said vessel, said hoop tension having been imparted by varying the tension from a maximum in the inner layers to a minimum in the outer layers for effecting circumferential tensile stresses of substantially the same magnitude in said layers under pressure contained in said vessel.

2,268,962
TROLLEY FROG
Frank H. Richterkessing, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application July 15, 1941, Serial No. 402,503
6 Claims. (Cl. 191—38)

1. A trolley device comprising a body member of current-conducting material having a plurality of longitudinally-spaced runners for guiding a current collector onto and off of the said body member; a guide member of current-conducting material movably mounted upon the said body member, and in the space between the longitudinally spaced runners, for guiding a collector from one runner to the other as determined by the position of the said guide member relative to the said runners; a supporting plate of insulating material mounted upon the said body member; electro-magnetic means mounted upon the said plate and electrically insulated



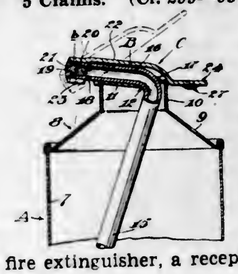
from the said current-conducting body member by means of said plate; a connecting member operatively connecting the said guide member and the said electro-magnetic means for positioning the said guide member as determined by the operation of the said electro-magnetic means; and insulating means, operatively associated with the said connecting member, for electrically insulating the said electro-magnetic means from the said guide member.

2,268,963
DECOY STABILIZER AND ANCHOR
Fred P. Riddell, Milwaukee, Wis.
Application February 6, 1941, Serial No. 377,617
5 Claims. (Cl. 43—3)



1. A decoy duck stabilizer and anchor comprising a plate adapted for attachment to the bottom of a decoy and extendable in a plane at right angles thereto, an anchor, frictionally applicable to said plate when not in use, a flexible element connecting said anchor and plate, and a downwardly extendable vane pivoted to said plate and foldable alongside one end thereof.

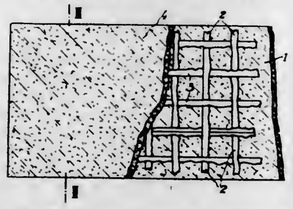
2,268,964
FIRE EXTINGUISHER
Harold V. Saffell, Los Angeles, Calif., assignor, by direct and mesne assignments, to Tetco Co., a corporation of California
Application November 15, 1938, Serial No. 240,493
5 Claims. (Cl. 299—95)



5. In a fire extinguisher, a receptacle, an out-

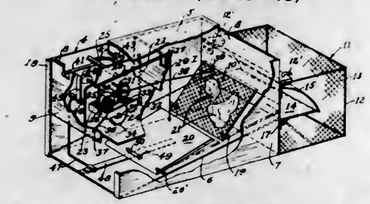
let projecting through an end wall of said receptacle providing an inner portion within the receptacle and an outer portion bent over and lying against the outer surface of said end wall, said outer portion capable of being broken off, and means to seal the terminal end of said outer portion of the tube.

2,268,965
METHOD OF MOLDING REINFORCED BUILDING PANELS
Artur Schumann, Kustrin-Neustadt, Germany
Application February 16, 1940, Serial No. 319,369
In Norway May 2, 1939
5 Claims. (Cl. 25—154)



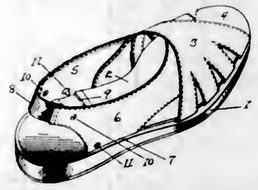
1. A method of producing a pressed plate of a sawdust filling substance and a gypsum binding material which comprises, mixing the filling substance with the binding material in a dry state, placing the mixture in a dry state in a mold and uniformly distributing the mixture in a thin layer therein, spraying water in a finely distributed state onto the layer, interweaving widely spaced waste wood strips and placing the same on said layer, applying a mixture of the filling substance and the binding material in a dry state over the wood strips and uniformly distributing the mixture in a thin layer, spraying water in a finely distributed state onto the second layer, and compressing the assembly.

2,268,966
ANIMAL TRAP
Roy T. Shiraishi, Wilmington, Calif.
Application November 4, 1940, Serial No. 364,280
4 Claims. (Cl. 43—73)



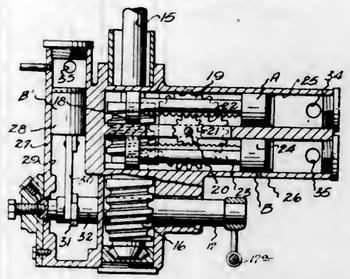
1. In an animal trap a receptacle providing a bait chamber, an entrance door at one end of the chamber, an exit door at the other end of the chamber, a cage in which animals are trapped in passing through the exit door, said entrance door being arranged to be open when raised and to gravitate into closed position, said exit door being arranged to close when raised and to gravitate into open position, a trigger plate between said doors in position to be depressed by an animal which has entered the bait chamber, and operating means normally holding said doors in raised position whereby the entrance to the chamber is open and the exit is closed, and operating when the trigger plate is depressed to release both doors whereby to close the entrance and open the exit of the bait chamber subsequently operating when the animal runs off the trigger plate to raise both doors whereby to reset the trap and means operating responsive to the closing of the entrance door for making a noise between the animal and the entrance door whereby the animal will be frightened so that it will run through the bait chamber into said cage.

2,268,967
FOOTWEAR
William Keane Small, Kirkwood, Mo.
Application May 9, 1940, Serial No. 334,153
4 Claims. (Cl. 36—11.5)



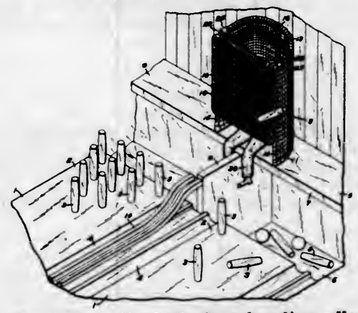
1. An article of footwear comprising a strap element for engagement with the heel of the wearer to hold the article on the foot and means for dispensing with the function of said element by detachably securing the upper rear portion thereof against adjacent portions of said strap element, whereby the foot can be freely inserted into and withdrawn from the article.

2,268,968
HYDRAULIC STEERING MECHANISM
Leslie W. Stinne, Wynne, Ark.
Application June 24, 1939, Serial No. 281,026
4 Claims. (Cl. 280—87)



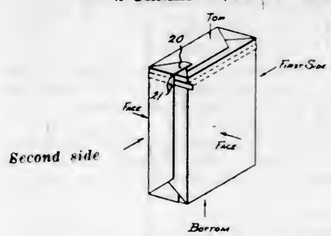
1. An hydraulic steering apparatus including a steering column, a worm gear keyed on the lower end of said column, means connecting said worm gear to the drag link of a vehicle steering unit, a second worm gear keyed on said column and in mesh with a circular gear, a horizontal shaft for retaining said circular gear, a pinion gear mounted on said horizontal shaft, a pair of primary pistons slidably mounted in cylinders, piston rods having gear racks formed thereon and arranged to mesh with said pinion gear whereby rotation of said second worm gear will effect opposite movement of said primary pistons, a pair of secondary pistons mounted within cylinders, fluid conduits connecting said primary and said secondary cylinders, a cross-head, rods connecting the ends of said cross-head to respective secondary pistons, and means actuated by said cross-head through said secondary pistons for resisting rotation of said first worm gear.

2,268,969
PROTECTIVE CAGE FOR BOWLING ALLEYS
Harry Stokes, Lexington, Mass.
Application March 17, 1941, Serial No. 383,670
6 Claims. (Cl. 273—54)



1. For use particularly in a bowling alley having a runway with an area at one end for receiving the pins as set in playing position and having a pit extending transversely of said runway at the end thereof, a protective enclosing cage for the pin boy or attendant, positionable at the opposite side of the pit from the said runway, but close to the upright back wall of the pit, so that the pin boy or attendant may sit inside the cage in convenient position for quickly resetting the pins, the said cage including an upright body framework for enclosing the pin boy or attendant and having a door hinged thereto and of sufficient vertical extent to protect the head and body of the pin body but permitting him while sitting within the cage when so positioned to extend his legs into the pit in readiness to reset the pins.

2,268,970
TEARING STRIP PACKAGE
John R. Tindal, West Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application February 3, 1940, Serial No. 317,055
2 Claims. (Cl. 229—51)

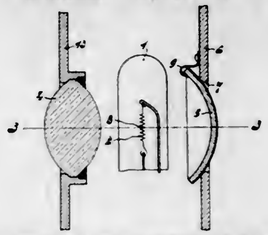


1. A package comprising a prismatic article having a top designed to be exposed, a wrapper passing around one side and adjacent faces of the article, tucked from said side against the bottom and the top, and extending from said faces in overlapping folds upon the bottom and the top, the wrapper at the second side of the article having a tuck extending from the bottom against the second side and overlapping folds extending from the faces upon the second side, and a composite flap formed of said last-named overlapping folds and of those overlapping folds extending beyond the top, said composite flap lying upon the top of the package and being secured to the overlapping folds thereon, and a tearing strip extending around the article within the wrapper adjacent the top thereof and extending outwardly between the overlapping folds at the second side adjacent said composite flap.

2,268,971
PROCESS FOR REMOVING FLUORIDES FROM WATER
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application November 19, 1937, Serial No. 175,539
6 Claims. (Cl. 210—23)

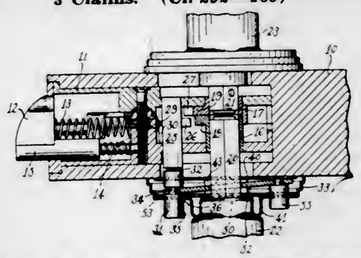
1. The process of reducing the fluoride content of potable water which comprises contacting the water with a water-insoluble chemical compound characterized in that it is charged with uncombined aluminum ions which react with the fluoride ions to effect their removal.

2,268,972
PROJECTOR
Franciscus Lambertus Van Weenen, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 17, 1938, Serial No. 246,450
In Germany May 6, 1938
2 Claims. (Cl. 88—24)



1. In an illuminating system of a projector a light source, a reflector having a concave spherical reflecting surface and a spherical supporting surface parallel thereto, a supporting member fixed with respect to said light source and having at least three points lying in a plane normal to the optical axis of the system and disposed at equal distances from the point of intersection of said plane and axis, said points being fixed with respect to each other and to said light source, and means pressing the supporting surface of said reflector against said points.

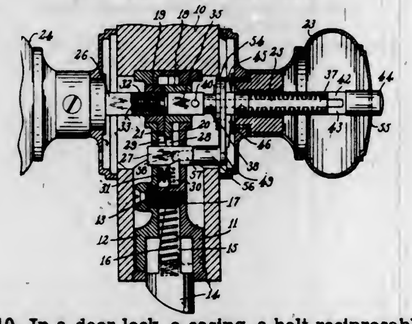
2,268,973
LOCK
Henry G. Voight, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application January 27, 1941, Serial No. 376,019
3 Claims. (Cl. 292—169)



1. In a door lock, a case, a bolt reciprocably

mounted therein, independently rotatable inner and outer knobs, mechanism connecting each of said knobs to said bolt for operation thereof, a dogging member slidably carried by the walls of the case to dog the outer knob against operation, a walking beam structure for operating the dogging means accessible for operation at the inside of the door when the latter is closed, a rose about the inner knob, said walking beam structure being housed within said rose, said structure comprising a pair of plates, a lever pivoted between said plates at a point intermediate its ends, a push button operatively connected to each end of the lever and projecting through said rose, and one of said buttons being directly connected to said dogging member.

2,268,974
DOOR LOCK
Henry G. Voight, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application April 25, 1941, Serial No. 390,317
17 Claims. (Cl. 292—169)



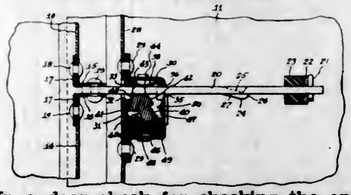
10. In a door lock, a casing, a bolt reciprocably mounted therein, means to operate the bolt comprising inner and outer knobs and independently operable spindles actuated by said knobs and extending into the casing, a dogging element movably mounted in the walls of the casing to dog the spindle of the outer knob against movement, and means for moving said dogging element to operative position comprising an arm located exteriorly of the casing and movably mounted on the inner knob spindle and protecting laterally therefrom to engage said element, and a push button in the inner knob to effect movement of said arm.

2,268,975
EXTINGUISHER FOR CIGARS, CIGARETTES, AND THE LIKE
Edgar Vorwerk, Hamburg, Germany
Application February 10, 1939, Serial No. 255,756
In Germany March 7, 1938
2 Claims. (Cl. 131—256)



1. A portable extinguisher for cigars and cigarettes consisting essentially of a hollow, downwardly-opening bell-shaped body member having a smooth edge defining the opening thereof, a portion of said edge being coplanar, whereby a substantially airtight joint may be formed therebetween and a smooth plane surface upon which the body member may be placed, said body member being provided with a lateral notch defining the remaining portion of said edge and extending upwardly from said first portion for the reception of the cigar or cigarette to be extinguished, said body member being otherwise essentially continuous.

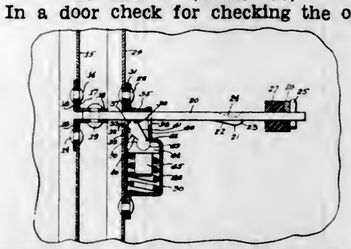
2,268,976
DOOR CHECK
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application April 26, 1940, Serial No. 331,857
9 Claims. (Cl. 16—86)



1. In a door check for checking the opening movement of a door structure and for releasably holding the door structure in an open position relatively to a supporting structure, retaining means associated with one of said structures, an elongated member associated with the other of said structures and extending through said retaining means, an abutment on said elongated member positioned to halt the opening movement of the door structure, tiltably movable cam means pivotally mounted in said retaining means for motion to and fro along a path approximately in the direction of motion of said elongated member, yielding means for urging said cam means into engagement with said elongated member, and means on said elongated member spaced apart from said abutment for tilting said cam means to and fro in response to the motion of said elongated member whereby to releasably hold the door structure in an open position.

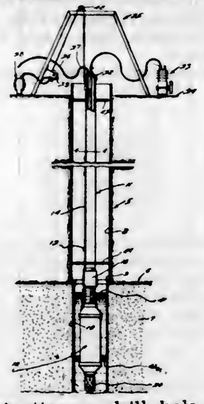
2,268,977
DOOR CHECK
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application April 26, 1940, Serial No 331,858
10 Claims. (Cl. 16—86)

1. In a door check for checking the opening



movement of a door structure and for releasably holding the door structure in an open position relatively to a supporting structure, retaining means associated with one of said structures, an elongated member associated with the other of said structures and extending through said retaining means, an abutment on said elongated member positioned to halt the opening movement of the door structure, tiltably movable cam means pivotally mounted in said retaining means for motion to and fro along the path of said elongated member, spring means for urging said cam means into engagement with said elongated member, and means on said elongated member spaced apart from said abutment and engageable with said cam means to tilt said cam means to and fro in response to the motion of said elongated member for releasably holding the door structure in an open position, said cam means having a high portion with a gradual approach on one side thereof.

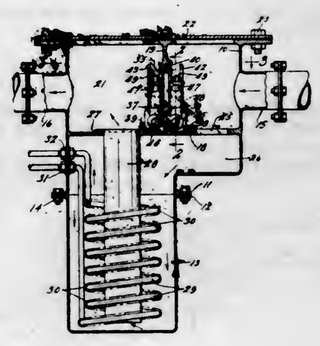
2,268,978
APPARATUS FOR RECOVERING SULPHUR
John Patrick White, Shreveport, La.
Application February 6, 1941, Serial No. 377,734
2 Claims. (Cl. 262—3)



1. In combination, a drill hole extending to the top of a sub-surface sulphur bearing formation containing water, a casing lining said hole, a perforated liner sunk in said formation and sealed to the lower end of said casing, a heating unit situated within said perforated liner in said formation, said heating unit containing heat generating means for contact heating of the water from said formation entering said perforated liner to a temperature above the melting point of the sulphur, said heating unit comprising an inner cylinder surrounded by said heat generating means and open at its lower end, tubing connected to the upper end of said inner cylinder and extending upwardly in spaced relation to said casing to the surface of the earth, means sealing said unit in said perforated liner, a jetting pipe depending within said tubing and through said inner cylinder, and a source of hot air connected to the upper end of said jetting pipe for applying air to the molten sulphur below said heating unit at a temperature higher than the melting point of the sulphur and at sufficient pressure to force the molten sulphur through said inner cylinder and tubing to the surface of the earth.

2,268,979
EXHAUST GAS HEATER
William R. Williamson, Valley Stream, and Felix Saco, Jr., Island Park, N. Y., assignors to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application April 5, 1940, Serial No. 328,018
1 Claim. (Cl. 257—229)

An exhaust gas heater comprising a casing member providing a through channel normally adapted for horizontal mounting in the exhaust line of an internal combustion engine, inlet and outlet connections to connect said channel to the exhaust line of an internal combustion engine, a second member providing a depending substantially cylindrical heat exchanger chamber having its upper end wall and a portion of its side wall formed integrally with a side wall of the through channel and a removable cap forming the lower end wall and the rest of the side wall of the chamber, a conduit for fluid to be heated mounted in the chamber with substantially its entire heat exchanging surface located within that portion of the chamber which is formed by the cap, an apertured partition extending transversely of the through channel across the normal path of gases through the channel and intermediate the inlet and outlet connections for said channel, the side wall of the through channel

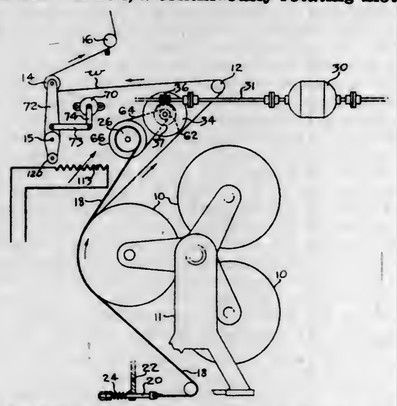


having an auxiliary aperture for communication therethrough between the inlet side of said partition and the heat exchanger chamber, a conduit on the outlet side of the partition extending from the side wall of the through channel axially through the exchanger chamber to a point adjacent the lower end wall, said auxiliary aperture and conduit as well as the passageway for gases in passing from one to the other through the chamber being dimensioned to present a pathway for exhaust gases substantially equal in cross-section to at least the minimum cross-section of the through channel, and valve means in the through channel, one on each side of the partition and arranged to seat on the opposite faces of the partition and close the aperture therein or alternatively to seat on the side wall of the through channel and close communication between the through channel and the heat exchange chamber.

2,268,980
WEB TENSION APPARATUS
Hobart N. Durham, Manhasset, N. Y., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1940, Serial No. 333,255
12 Claims. (Cl. 242—75)

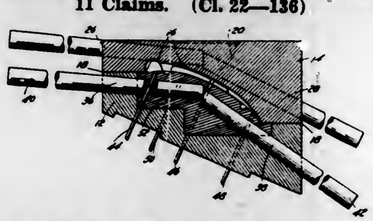
3. In a web tensioning device, a strap bearing against a rotatable web roll, a roller to which the strap is connected to pull the strap into contact

with the web roll, a continuously rotating motor,



and an elecric clutch connecting the motor with the roller.

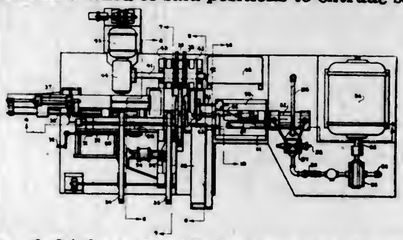
2,268,981
DIE
Arvid C. Ericson, Toledo, Ohio, assignor to Doehler Die-Casting Co., Toledo, Ohio, a corporation of New York
Application October 22, 1938, Serial No. 236,385
11 Claims. (Cl. 22—136)



4. A die for rapidly repeated pressure casting, said die having solid metal parts of generally conventional configuration and separable on a parting face to open a die cavity formed inside said die, said cavity being small relative to the die parts, thereby leaving a substantial body of metal around the die cavity, and means to redistribute heat in said die, said means consisting of elongated cylindrical rods made of a metal having high heat conductivity, the solid metal of the die being bored with cylindrical holes which are disposed wholly inside the solid metal of the die and close to but outside the die cavity, the rods being forced into said holes to fill the same with a tight fit, the metal of the die surrounding the metal of the rod all around the periphery of the rod.

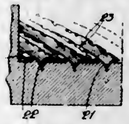
2,268,982
TUBE REINFORCING MACHINE
Gustave O. Gabriel, Warren, Ohio, assignor to Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application February 28, 1939, Serial No. 258,989
16 Claims. (Cl. 29—33)

1. A tube reinforcing machine comprising means to support the tubes being worked on and to move the same to successive indexed operating positions, said means including a die through which said tubes are adapted to project, means at one of said positions to expand the projecting ends of said tubes, means at another of said positions to position reinforcing inserts within the expanded ends of said tubes, and means at a third of said positions to extrude said



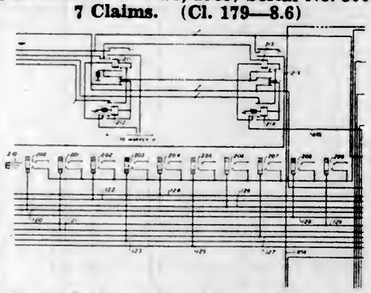
expanded tube ends with the contained reinforcing inserts through said die.

2,268,983
METHOD OF FORMING ABRASIVE SURFACES UPON HIGH-SPEED GRINDING WHEELS
Folliard F. Gilmore, Wellesley Hills, and Frank W. Kotler, Watertown, Mass.; said Kotler assignor to said Gilmore
Application August 2, 1940, Serial No. 349,622
4 Claims. (Cl. 82—1)



1. In the method of preparing an annular ductile metallic surface of a high-speed grinding wheel to receive and retain a layer of abrasive-containing matrix thereafter to be applied to said surface, the step of machining said surface with a hardened tool applied with a reverse rake in relation to its direction of travel upon said surface and at such an angle thereto as to form a series of minute tongues of metal integral with the metal of said surface and projecting upwardly above the general level of said surface.

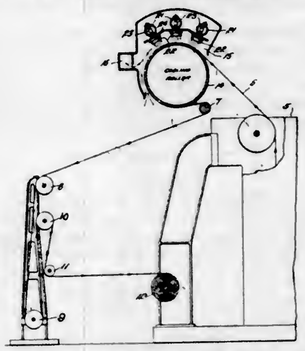
2,268,984
BUSY LINE RECORDER
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1939, Serial No. 300,928
7 Claims. (Cl. 179—8.6)



4. In a telephone system, means for recording the number of times a line is called while busy, comprising a set of jacks for each digit of a line designation, means for individually grounding the sleeves of said jacks in accordance with the designation of a called busy line, relays connected in parallel to the ring contacts of each set of jacks, plugs for connecting the sleeve and ring contacts of a jack in each set corresponding with the

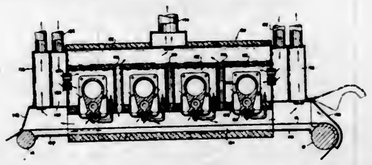
designation of a particular line, and indicating means controlled by said relays when the designation of the called busy line coincides with that of said particular line.

2,268,985
METHOD AND APPARATUS FOR DRYING PRINTING INK
Frederic O. Hess, Germantown, Pa., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 29, 1937, Serial No. 182,210
8 Claims. (Cl. 101—416)



1. The method of drying an ink containing a volatilizable, inflammable solvent which is substantially non-volatile at room temperature after such ink has been printed upon a material which is subject to injury by heat, which consists in causing the material to travel away from the apparatus in which the ink is applied, subjecting the printed surface of the material to heat of sufficient intensity to volatilize the solvent of the ink and ignite the solvent vapor at a point in the travel of the material and projecting a stream of cool gas against the unprinted surface of the material at the same point in its travel.

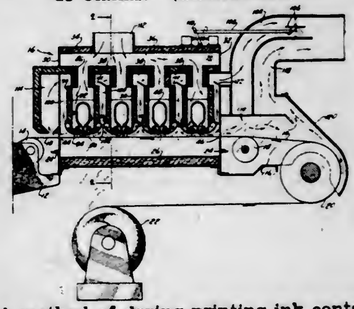
2,268,986
METHOD AND APPARATUS FOR DRYING PRINTING INK
Frederic O. Hess, Germantown, Pa., and Carl P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application May 3, 1938, Serial No. 205,682
31 Claims. (Cl. 34—23)



1. A method of drying printing ink containing a volatilizable inflammable solvent after such ink has been applied to a material, which comprises passing the material beneath an elongated flame which is adapted to produce heat of sufficient intensity to volatilize the solvent of the ink and to strike the printed surface of the material with sufficient force to project the volatilized solvent to either side thereof, and supplying a controlled amount of fresh air on either side of said flame which will mix with the volatilized solvent and provide oxygen for the combustion thereof.

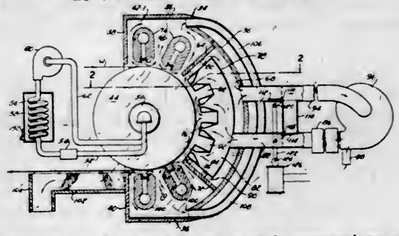
7. Apparatus for drying printing ink, comprising the combination with means for continuously moving a web to which ink has been applied, of a gas furnace located in the path of the printed web and comprising a heating chamber, a gas burner disposed in said heating chamber, means for supplying gas to said burner, means for directing air upon said burner and into said heating chamber, and means for increasing the quantity of air supplied to said last mentioned means when the web movement is stopped.

2,268,987
METHOD AND APPARATUS FOR DRYING PRINTING INK
Frederic O. Hess, Germantown, Pa., and Carl P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application January 6, 1939, Serial No. 249,586
15 Claims. (Cl. 101—416)



1. A method of drying printing ink containing a volatilizable and inflammable solvent after such ink has been applied to a material, which comprises moving the material through a furnace provided with a gas burner directed toward the printed surface of the material, volatilizing the solvent of the ink, projecting large quantities of cooling air over said burner, deflecting such air away from said burner before it contacts said printed surface, forcing regulated amounts of such deflected cooling air into admixture with the solvent vapors to provide air for the combustion thereof, and burning said solvent vapors.

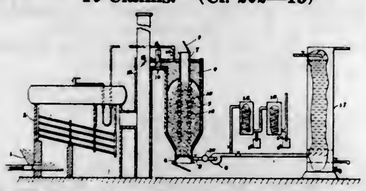
2,268,988
METHOD AND APPARATUS FOR DRYING PRINTING INK
Frederic O. Hess, Germantown, Pa., and Carl P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 8, 1939, Serial No. 288,906
15 Claims. (Cl. 101—416)



1. A method of printing which comprises ap-

plying an ink containing a volatilizable and inflammable solvent to the surface of a moving web; passing said web over a supporting surface which is heated to a temperature between 50° C. and 95° C. so as to prevent detrimental evaporation of moisture in said web; while the portion of said web which is to be dried is in contact with the heated supporting surface, heating the freshly printed ink on said portion only, to a temperature at which the solvents therein will volatilize; and maintaining the freshly printed ink at such temperature until substantially all of the solvents in said ink have volatilized.

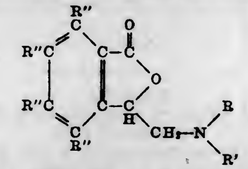
2,268,989
PROCESS FOR IMPROVING FUEL
Lewis C. Karrick, Salt Lake City, Utah
Application April 17, 1936, Serial No. 74,835
10 Claims. (Cl. 202—15)



1. The process of preparing an improved fuel from Utah type coal comprising forming a column of lumps of said coal within a vertical retort, passing hot gases of combustion downwardly through said column to partially carbonize said lumps, discontinuing the flow of said hot gases of combustion and passing steam heated to a temperature below that of the said hot gases of combustion downwardly through said column to complete the carbonization of said lumps.

2,268,990
SECONDARY AND TERTIARY 3-AMINOMETHYL-POLYHYDROXY-PHTHALIDES
Siegfried Loewe, New Rochelle, N. Y.
No Drawing. Application August 22, 1939, Serial No. 291,304
1 Claim. (Cl. 260—344)

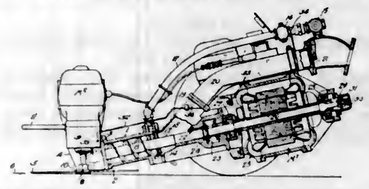
A substance represented by the formula:



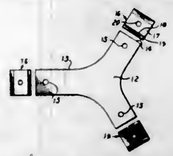
where R is taken from the group consisting of H, alkyl and aryl radicals, R' is taken from the group consisting of aryl and alkyl radicals having at least two carbon atoms, and two or three R'' are OH, the remaining R'' being H said compound being prepared as a therapeutic agent.

2,268,991
CONVEYING APPARATUS
Joseph H. Morrow, Hokendauqua, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application August 2, 1940, Serial No. 349,538
13 Claims. (Cl. 302—50)

1. An apparatus for conveying pulverulent material of variable density which comprises in combination, a conduit through which the material is advanced, means directing material to the conduit, means within the conduit for applying pressure to advance and compact the material, driving means for the pressure applying means, a gas injector beyond the point of pressure application to aerate the material, means to aerate the material prior to its entry into the conduit at times of increased density, and means responsive to predetermined power requirement of the pressure applying driving means controlling operation of the last named aerating means.

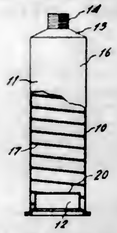


2,268,992
ATHLETIC SHOE CLEAT
Jay C. Nofziger, Los Angeles, Calif.
Application August 6, 1940, Serial No. 351,582
4 Claims. (Cl. 36—59)



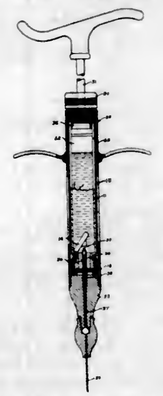
1. In combination with an athletic shoe having an upper and a sole, a flexible steel spring plate directly engaging the sole, said flexible steel plate including an imperforate body portion and end portions, gripping members each of which includes a base which directly engages and is spot welded one to each of said end portions, each gripping member having a single sharpened portion projecting therefrom, said gripping member and end portions having aligned apertures therein and fastening means extending through said apertures and secured to the sole of the shoe.

2,268,993
COLLAPSIBLE TUBE
Rudolph M. Sanders, Brooklyn, N. Y.
Application June 28, 1939, Serial No. 281,616
18 Claims. (Cl. 221—60)



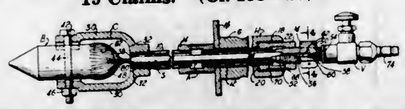
16. A merchandise container including an easily collapsible tubular body portion initially smooth on its outer side prior to being collapsed and means on the inside thereof additional to the material forming the tubular body portion and acting thereon during axial collapsing of the container to cause the body portion to collapse in accordion fashion.

2,268,994
SYRINGE AMPOULE
Arthur E. Smith, Los Angeles, Calif.
Application January 4, 1941, Serial No. 373,128
1 Claim. (Cl. 128—218)



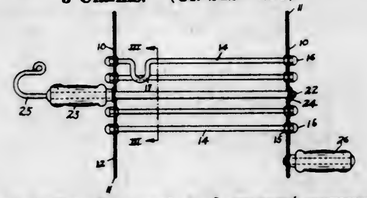
An ampoule for use in a hypodermic syringe which includes a barrel having a front member thereon and having a pointed tubular member on the front member and projecting into the barrel, said ampoule including an elongated body having a constricted neck portion adjacent one end, the remainder of the body being cylindrical, a movable piston cork in the body and disposed at the end thereof remote from the neck, a disk in said body, said neck having an inner shoulder facing toward said piston cork, said disk engaging the inner face of said shoulder, and a rubber closure cap engaging on said neck, said closure cap including an end portion engaging the end wall of the neck and a skirt engaging the side walls of the neck, said skirt extending into the restriction, said disk having a centrally disposed conical outwardly directed protuberance thereon on the face thereof nearest said closure cap, said protuberance being spaced from said closure cap end portion and adapted to be engaged by the pointed member on a syringe to thereby tilt the disk.

2,268,995
SOLDERING IRON
Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application July 1, 1939, Serial No. 282,525
15 Claims. (Cl. 158—26)



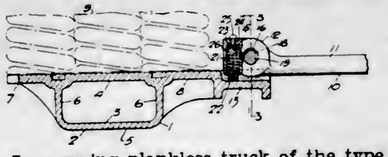
1. A soldering iron comprising, in combination, an elongated handle assembly; a soldering bit detachably secured to the forward end of said handle assembly; conduit means extending completely through said handle assembly in mechanically independent, coaxial spaced relation thereto for directing a heating flame against said soldering bit; means for supplying a combustible gas to said conduit means; means disposed rearwardly of said handle assembly for aspirating a combustion-supporting gas into said conduit means to form a combustible mixture therein; and means disposed adjacent the forward end of said handle means and formed to provide aspiration of additional combustion-supporting gas into said heating flame.

2,268,996
CLOTHESLINE REEL
Maphet J. Young, Youngstown, Ohio
Application October 21, 1939, Serial No. 300,569
3 Claims. (Cl. 242—100)



1. A clothes line reel and support comprising a pair of spaced parallel members defining surfaces for confining the side edges of a coil of clothes line, a plurality of circumferentially arranged rods spanning said members and defining a drum upon which the clothes line may be coiled, one of said rods being non-rotatable with respect to said members and being provided with an inwardly directed looped portion to be selectively engaged within and without the loop by a knotted or a looped end, respectively, of a clothes line, a handle extending outwardly of said reel and support in general continuation of the axis of rotation of said drum, and a hook associated with said handle whereby said reel and support may be suspended from a strung line.

2,268,997
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application May 22, 1939, Serial No. 275,077
4 Claims. (Cl. 105—208.2)

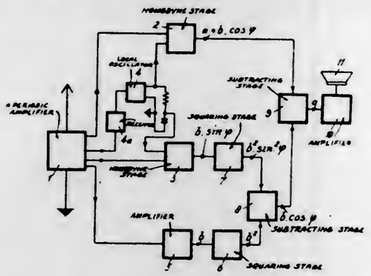


1. In a spring plankless truck of the type involving a pair of side frames each having a tension member and being movable relatively to one another longitudinally of the truck, the combination of an upwardly facing convolution formed in each of said tension members, spaced lugs extending upwardly from said tension members adjacent each convolution, a tie bar having enlarged end portions positioned between said spaced lugs, horizontal pivot means extending through said lugs and end portions, and spring means associated with said end portions and reacting against said convolutions for preventing rattling of said tie rod.

2,268,998
REDUCING DISTURBANCES IN RADIO RECEPTION
Zoltan Bay, Ujpest, near Budapest, Hungary, assignor to Magyar Wolframlámpa Gyár Kremenezky János Részvénytársaság, Budapest, Hungary, a Hungarian company
Application November 2, 1939, Serial No. 302,566
In Hungary October 18, 1938
10 Claims. (Cl. 250—20)

1. In a method of reducing disturbances in the

low frequency stage of a radio receiver, the steps which comprise receiving, in a desired wave band, oscillations which include transmitted signals and disturbances, simultaneously receiving said disturbances in an auxiliary band not occupied by a transmitter operating at the time, producing of the disturbances received in both said



bands a quantity $b \cos \phi$ which is equal to a quantity representing the disturbances and wherein b is the amplitude of the disturbances and ϕ is the phase angle between the signal to be received and the disturbance of the same frequency, and using said quantity for compensating the disturbances.

2,268,999
PROCESS FOR THE TREATMENT OF NITROSYL CHLORIDE - CHLORINE MIXTURES

Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application July 5, 1938, Serial No. 217,634
13 Claims. (Cl. 23—157)

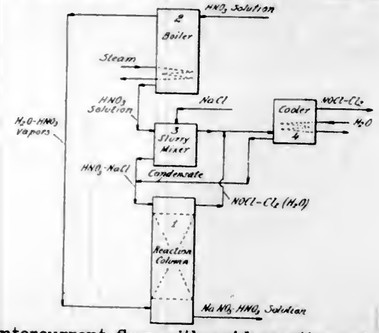
1. In the treatment of a mixture of nitrosyl chloride and chlorine in metal apparatus, the improvement which comprises constructing the surfaces of said apparatus with which said mixture is contacted of a metal from the group consisting of nickel and alloys of nickel containing 45% or more nickel and, while said mixture is in contact with said metal, excluding from the mixture moisture in amount in excess of 0.1% by weight.

2,269,000
PRODUCTION OF NITRATES FROM NITRIC ACID AND CHLORIDES

Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application December 31, 1938, Serial No. 248,751
6 Claims. (Cl. 23—102)

1. In a process in which an aqueous nitric acid of a concentration at which it is to be reacted with a metal chloride is mixed with the metal chloride and the reaction mixture thus obtained, containing the water present in said aqueous acid, is heated to temperatures promoting the reaction of the nitric acid and metal chloride to form a solution of metal nitrate in said water and to evolve the chlorine of the metal chloride as gaseous nitrosyl chloride and chlorine, that improvement which comprises boiling at least a portion of said nitric acid to evolve therefrom a mixture of water and nitric acid vapors, leaving a residue of more concentrated nitric acid, incorporating said residue in the aforesaid reaction mixture, and passing said vapors of water and nitric acid in direct contact with and in

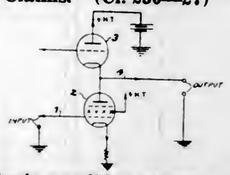


countercurrent flow with said reaction mixture, thereby supplying heat to the reaction mixture.

2,269,001
THERMIONIC VALVE AMPLIFIER

Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application August 6, 1940, Serial No. 351,593
In Great Britain July 28, 1939
7 Claims. (Cl. 250—27)

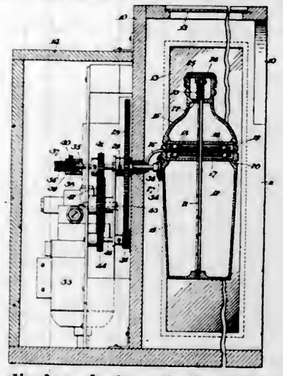


1. A thermionic amplifier circuit comprising a thermionic tube having a cathode, a control electrode and an anode, a source of signal energy, means to maintain current flow through said tube proportional to the amplitude of said signal energy, means to develop a non-linear potential difference between said control electrode and cathode, said non-linearity being with respect to the amplitude of said signal energy, and means for deriving output energy in accordance with said potential difference.

2,269,002
ILLUSIONARY DISPLAY DEVICE

Henry E. Bohlen, Brooklyn, N. Y.

Application April 19, 1941, Serial No. 389,290
9 Claims. (Cl. 40—126)



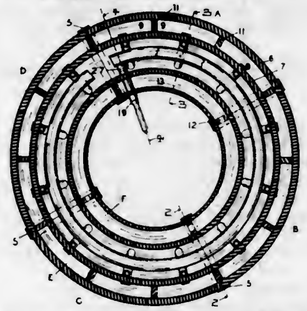
1. In a display device of the character de-

scribed, a cylindrical object simultaneously rotatable about its own longitudinal axis and about an axis transverse thereto, a supporting member therefor, the peripheral edge of said supporting member blending into the design of the object, hidden means for rotating the supporting member about the transverse axis, and hidden means for rotatably actuating the object about its own longitudinal axis.

2,269,003
PNEUMATIC TIRE TUBE

Michael N. Bonsiakos, San Francisco, Calif.

Application October 11, 1940, Serial No. 360,766
2 Claims. (Cl. 152—331)

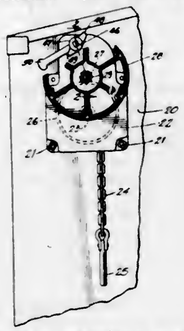


1. A multiple cell tire tube comprising an inner tube arranged concentrically to an outer tube, an air hose substantially concentrically mounted in said inner tube, the space between said inner tube and said outer tube being divided into cells, conduits connecting certain of said cells and said air hose, means for conducting air to said cells and to said inner tube from a point outside said outer tube, said means including an inflating tube communicating with said air hose and having ports therein communicating with said inner tube and certain of said cells formed between said inner tube and said outer tube adjacent the inner periphery of said outer tube, and a sliding valve mounted in said inflating tube and having ports movable into registration with said first-mentioned ports.

2,269,004
HOLDING AND RELEASING MECHANISM FOR RAILROAD HAND BRAKES

Henry D. Breen, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application April 1, 1940, Serial No. 327,184
13 Claims. (Cl. 188—81.1)

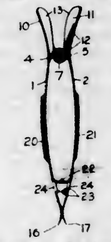


1. A holding and releasing mechanism for a hand brake comprising a ratchet, a pivoted pawl carriage above said ratchet, a pawl pivotally mounted upon said pawl carriage and normally moving with said pawl carriage, manually controlled means engaging the pawl normally to constrain it to move with said carriage and movable to a position to permit movement of said pawl independently of said carriage, and means to move said pawl out of engagement with said ratchet whenever said means is in a position such that the pawl is capable of independent movement.

2,269,005
HOLDER FOR MARKERS OR RAZOR BLADES

Isidore A. Chaikin, Great Neck, N. Y.

Application June 2, 1941, Serial No. 396,262
14 Claims. (Cl. 120—13)

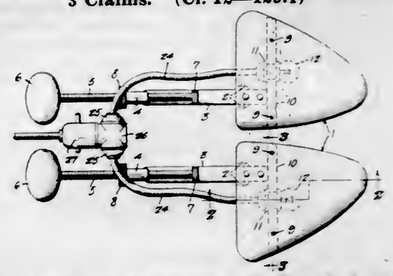


1. In a holder, a pair of hingeably secured side members having a sharpened edge opposite the hinge and a slot having toothed inwardly depending flanges positioned near to and parallel with said sharpened edges, and a pair of lever handles integral with said side members projecting beyond said hinges.

2,269,006
SHOE TREE

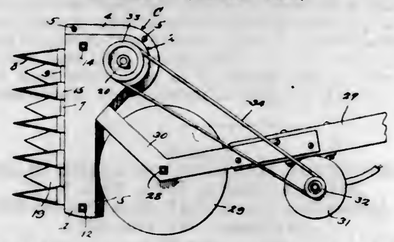
Edward H. Clark, Danville, Ill.

Application April 28, 1941, Serial No. 390,832
3 Claims. (Cl. 12—129.4)



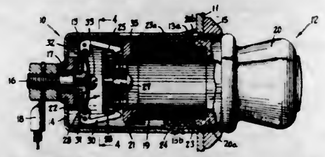
1. A shoe tree comprising a hollow body providing a toe member shaped to fit the toe and vamp portions of a shoe and having an open rear end and bottom, adjustable heel receiving means pivotally connected to the body, vertical supporting means fixed within the body and spaced a considerable distance from the rear end thereof, said supporting means being also spaced from the inner face of certain wall portions of the body to allow free passage of air into and out of the body, an electric socket member fixed to the supporting means, a conductor cord connected to the socket member, a light bulb mounted in the socket member to heat the air within the body to bring about circulation thereof to ventilate the shoe, and a sheet of asbestos secured to the inner face of the upper wall of the body and overlying the bulb.

2,269,007
EDGER
Henry T. Clark, St. Petersburg, Fla.
Application August 18, 1941, Serial No. 407,368
1 Claim. (Cl. 56—26.5)



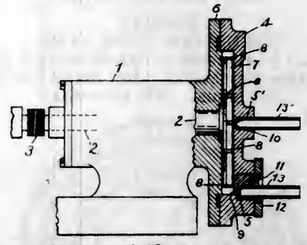
In a trimmer adapted for vertical lawn trimming and vertical and horizontal hedge trimming, a hollow transverse head provided at one end with a rearwardly extended enlargement, a handle extending rearwardly from the intermediate portion of the head, a cutter mounted for reciprocation in the head, transversely of the handle, a shaft journaled in the enlargement, means for operatively connecting the shaft with the cutter and extended into the enlargement, a motor mounted on the handle, a driving connection between the motor and the shaft, and a ground wheel mounted to rotate on the handle and extended on opposite sides of the handle: the motor, and the enlargement and parts within it, being disposed on opposite sides of the handle, to promote balance, the ground wheel being large enough to form a support and guide when slid flat over the top of the hedge, with the cutter working horizontally, and the enlargement being located close enough to the wheel to form a cooperating support and guide.

2,269,008
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 31, 1937, Serial No. 133,980
11 Claims. (Cl. 219—32)



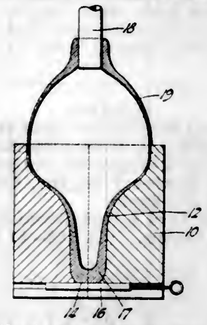
1. In an electric cigar lighter comprising a holding device and an igniting unit having a heating element and contact therefor movably supported by the holding device and completely removable therefrom for use; the combination of means for closing the circuit through the heating element including a pivotally mounted conducting member having a pair of angularly disposed rigid arms, one engaging the contact on the igniting unit when the latter is moved to circuit-closing position and serving as a contact to complete a circuit through the heating element and the other arm serving as an actuator for the contact and a bimetallic member in heat-receiving relation with the heating element and operatively connected with said actuating arm, said bimetallic member upon being heated flexing and moving said actuating arm about its pivot to pivotally move said contact arm out of engagement with the contact on the igniting unit.

2,269,009
ROTARY CENTRIFUGAL PRESSURE PRODUCING DEVICE
Francis L. Corbin, Chatham, N. J., assignor to Pitometer Log Corporation, a corporation of New York
Original application July 3, 1939, Serial No. 282,609. Divided and this application December 5, 1939, Serial No. 307,640
2 Claims. (Cl. 103—97)



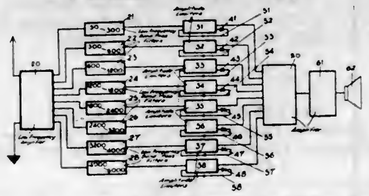
1. In a rotary centrifugal pressure producing device, an impeller, a casing enclosing the impeller and having two orifice passages therein located at different radial distances from the axis of rotation of the impeller, one of said orifices being located in a casing part movably mounted to vary the radial distance of the orifice passage therein from said axis, said movably mounted orifice passage communicating with a conduit communicating with the exterior of the casing, the movably mounted orifice passage being normal to the portion of the casing wall through which the orifice opens.

2,269,010
METHOD OF MANUFACTURING STEMMED GLASSWARE
Andrew J. Cunningham, Snyder, N. Y., assignor to Alfred H. Sharpe, Buffalo, N. Y.
Application October 20, 1939, Serial No. 300,409
2 Claims. (Cl. 49—80)



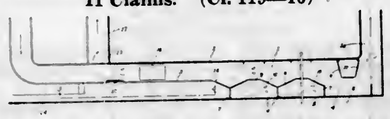
2. The method of manufacturing a hollow stem type glass goblet including the steps of marvering molten glass on a blow tube into the approximate form of a combination bowl and hollow stem portion of said goblet, said marvering being effected with the molten glass depending from the blow tube to produce a bowl and hollow stem portion of progressively increasing thickness toward the bottom under the influence of gravity acting on the glass whereby the wall of the hollow stem portion is substantially thicker than the wall of the bowl portion, blowing the marvered molten glass into a mold shaped complementary to the prescribed form of said bowl and hollow stem portion and mold-pressing a charge of molten glass into the form of the goblet substem portion and into fusing contact with said hollow stem portion while the latter is supported within said combination bowl and hollow stem mold while regulating said charge of molten glass so as to form a button of excess glass at the bottom of said sub-stem portion, and subsequently reforming said button of excess glass into a foot portion of said goblet.

2,269,011
METHOD AND ARRANGEMENT FOR LIMITING INTERFERENCES IN RADIO RECEIVING APPARATUS
George Dallos, Budapest, Hungary, assignor to Magyar Wolframlámpa Gyár Kremenezky János Részvénytársaság, Budapest, Hungary, a Hungarian company
Application January 31, 1940, Serial No. 316,469
In Hungary October 28, 1938
8 Claims. (Cl. 178—44)



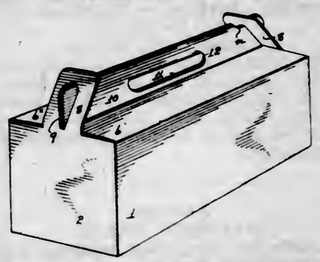
1. In the method of limiting interference in radio reception in which the band received is split up into a plurality of sub-bands, the improvement which consists in substantially preventing energy from being transmitted in those sub-bands in which no component of the instantaneous signal frequency occurs, and simultaneously limiting the maximum voltage in each of the other sub-bands to a value dependent on the maximum amplitude of the instantaneous signal frequency therein to thereby permit transmission in each sub-band in which an instantaneous signal frequency occurs of only those interfering components having amplitudes not substantially greater than the maximum amplitude of the instantaneous signal frequency therein.

2,269,012
INDIVIDUAL STALL SYSTEM FOR COW MILKING
John J. De Carli, Stockton, Calif.
Application March 18, 1940, Serial No. 324,525
11 Claims. (Cl. 119—16)



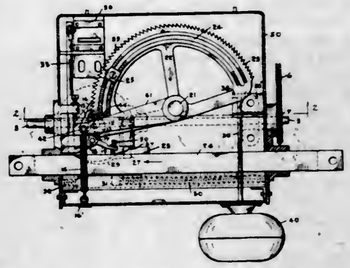
1. In a cow milking system, a passageway for cows in single file order, a row of milking stalls for individual cows extending parallel to and along said passageway on one side thereof, said passageway extending back from the row of stalls some distance, separate entry and exit gates for each stall at opposite ends thereof, means mounting said gates for independent movement from a stall closing position to a passageway closing position, manually operable means to control the movement of the gates, another gate normally closing the passageway back of the stalls and means functioning with the movement of any entry gate to a passageway closing position for controlling the opening of said other gate.

2,269,013
COLLAPSIBLE CARRYING CONTAINER
Irving Dorfman, New York, N. Y.
Application December 16, 1940, Serial No. 370,374
2 Claims. (Cl. 229—52)



2. A collapsible carrying carton of sheet material comprising a unitary sheet cut and scored to provide successively disposed side and end walls, a side wall being located at one end of the sheet and an end wall at the opposite end of the sheet, one of said last named walls carrying a lip for permanent attachment to the other wall, interlocking bottom closure walls carried by the sheet, and end and side top closures carried by the sheet, the side top closure walls being formed with extensions foldable to vertical position when the box is closed and resting on its bottom, whereupon said extensions will lie in mutual abutment, straps cut from the end top closure walls, and each strap having the same fold line as the end top closure wall in which it is cut and being disposed within the area of its said end top closure wall, each strap being swingable into latching engagement with the extensions of the side closure wall at the end area thereof.

2,269,014
BATCH METER
John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application September 20, 1939, Serial No. 295,768
3 Claims. (Cl. 74—1)

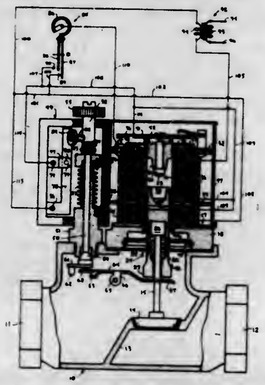


1. In a device of the character described a counting member constructed and arranged to return by gravity to initial position after counting movements, a counter operating device, gravity acting means for moving it while in engagement with said counter, means for releasing said counter for movement independent of said operating means, said gravity actuated means causing it to remain in engagement therewith until a given number of revolutions of the drum have been counted, a detent mounted to cooperate with said counter operating device and said means for releasing the counter acting through said detent.

2,269,015
TROPICAL HARD-SHELL NUT FIBER PHARMACEUTICAL PRODUCT
Jesse C. Forkner, Fresno, Calif., assignor of one-half to John H. Forkner, Fresno, Calif.
No Drawing. Application November 12, 1940, Serial No. 365,229
8 Claims. (Cl. 167—56)

1. A nut fiber laxative food product comprising a digestible naturally oily vegetable fiber of the hard-shell tropical nut group, having a palatable flavor from which most of the natural oil has been removed and an oil, having laxative properties, substituted.

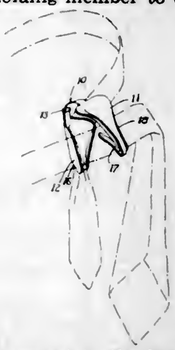
2,269,016
MAGNETIC VALVE
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 13, 1939, Serial No. 304,093
10 Claims. (Cl. 236—75)



2. In a magnetically operated device, in combination, an armature operatively connected to said device, a pair of coils having unequal and opposing magnetic fields for operating said armature, a source of energy, means connecting said coils in series to said source so that the coil having the stronger field determines the armature position, means responsive to a condition indicative of the need for operation of said device, a pair of switches sequentially closable by said condition responsive means upon a unidirectional change in said condition, a first circuit for shunting said stronger coil so that the coil having the weaker field determines the armature position, said first circuit including both said switches in series, a third switch operable upon increased energization of said weaker coil due to shunting of said stronger coil, and a second circuit for shunting said stronger coil including the first of said pair of switches to close and said third switch in series.

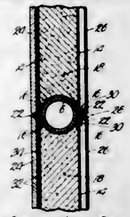
2,269,017
NECKTIE FORM
Matthew Gladstone, Brooklyn, N. Y.
Application October 10, 1939, Serial No. 298,860
4 Claims. (Cl. 2—153)

1. A four-in-hand tie form comprising a trough shaped base member adapted to be disposed vertically with the open side of the trough toward the front when in position for use, and a trough shaped holding member disposed with the open side of its trough toward the front and hinged to the base member adjacent the upper ends of the members to provide for vertically swinging movement of the holding member to open and closed



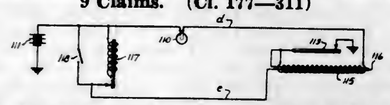
positions with respect to the base member, said holding member being in nested relation to the base member when in closed position.

2,269,018
GLAZED BUILDING BLOCK
Emile S. Guignon, Jr., Kansas City, Mo.
Application February 19, 1940, Serial No. 319,703
5 Claims. (Cl. 72—44)



1. A block of the character described for buildings having a rigid framework, said block comprising two opposed, spaced apart side members; resilient elements between the said members at the edges thereof, in connection therewith to hold the members in spaced relation and formed to engage the framework of the building to gain support for the block; outwardly extending flanges on each side of the block respectively at the periphery thereof; and a face plate held in place by said flanges over each side member respectively.

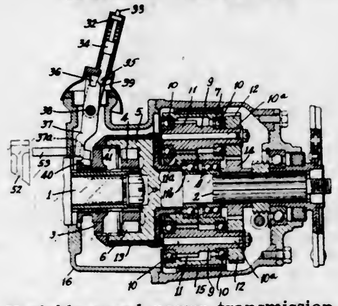
2,269,019
WARNING DEVICE
Edward Payson Hall, Ferguson, Mo., assignor, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 3, 1939, Serial No. 259,565
9 Claims. (Cl. 177—311)



1. An ice warning device comprising a first circuit including an indicator lamp and a switch controlling the energization of said indicator lamp, a second circuit including an operating coil controlling said switch and a varying resistance element, and a third circuit including an interrupter and a heating element for heating said varying resistance element, said varying resistance element having its windings exposed to

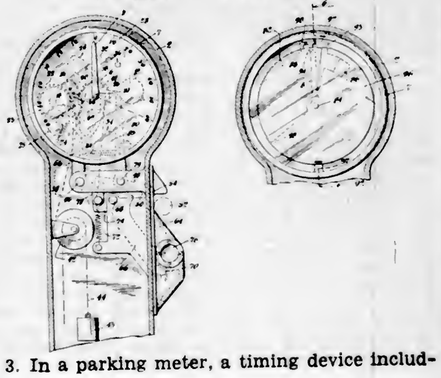
the atmosphere wherein ice forming conditions are to be ascertained whereby a formation of ice on said element will decrease the temperature fluctuations of said element resulting in a decrease in operating current insufficient to operate said switch.

2,269,020
VARIABLE SPEED POWER TRANSMISSION MECHANISM
Frank A. Hayes, Middletown, N. J.
Application February 8, 1933, Serial No. 655,696
In Great Britain February 19, 1932
14 Claims. (Cl. 74—472)



1. Variable speed power transmission mechanism for motor vehicles comprising the combination with the usual clutch and gear box, of a free wheel clutch between the tail or power delivery shaft of the gear box and the driven or power receiving shaft, and a planetary gear mechanism bridging said free wheel clutch, the gear ratios being such that when the planetary member of the gear is held stationary the free wheel is idle and the power is transmitted at increased speed ratio direct through said mechanism whereas said planetary member when released revolves around the main axis until the speed of the power delivery shaft equals that of the power receiving shaft whereupon the free wheel clutch comes into action and a one-to-one drive results.

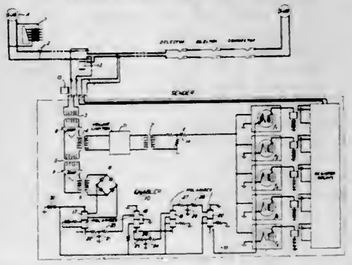
2,269,021
PARKING METER
Charles S. Hazard, New York, N. Y., assignor, by mesne assignments, to Miller Meters, Incorporated, Chicago, Ill., a corporation of Illinois
Application May 29, 1937, Serial No. 145,415
9 Claims. (Cl. 161—15)



3. In a parking meter, a timing device including means operable to indicate lapse of time, a dial over which said indicating means is adapted to move, said dial being portioned to provide a prescribed parking period and an overtime parking period, means for shielding said dial including a shutter adapted to cover the portion representing over-time parking, and means operable upon the lapse of said prescribed parking period to effect movement of said shutter to expose said over-time parking portion of the dial, said indicating means being thereafter movable across said exposed portion to indicate the lapse of over-time parking.

9. In a timing device for parking meters and the like, a casing mounted for rotation, an escapement mechanism within said casing, an indicator controlled by said escapement mechanism, means for driving said indicator and escapement mechanism, said driving means including a weighted member pivotally mounted in said casing, means adjustable for determining the length of a normal timing operation, and means actuatable at any time for rotating said casing to cause said adjustable means to engage and raise said weighted member to an initial position for initiation of a new timing operation.

2,269,022
TELEPHONE SYSTEM
George Hecht, Astoria, N. Y., and Alexis A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1940, Serial No. 355,712
5 Claims. (Cl. 179—18)

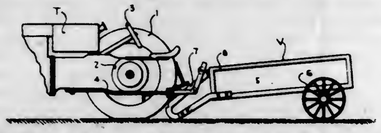


1. In a telephone system, the combination with a transmission line comprising a detector channel adapted for response to energy incoming over said line but normally unresponsive thereto, means responsive to incoming energy for activating said channel to respond to said energy, and means for maintaining said detector channel activated for a predetermined period while said incoming energy is upon said line regardless of the duration of the energy upon said line after the termination of said predetermined period.

2,269,023
TRACTOR HITCH
Simeon B. Hendricks, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application September 14, 1938, Serial No. 229,862
17 Claims. (Cl. 280—33.44)

1. In a tractor-drawn implement a vehicle arranged to be supported in part on the tractor and including on the vehicle a hitch having a runway inclined relatively to said vehicle and a traveling device on the tractor so constructed and arranged as to be freely movable along said runway, the parts being so arranged that the

initial movement of the tractor, when starting the implement, will cause relative movement of



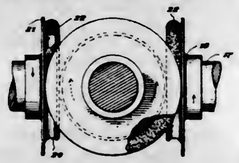
said device along said runway and raising of said vehicle from a lowered loading position to a raised operating position.

2,269,024

POWER TRANSMISSION DEVICE

Charles G. Johannesmeyer, Meadville, Pa., assignor of one-half to Frederick H. Davenport, Meadville, Pa.

Application March 8, 1940, Serial No. 323,024
3 Claims. (Cl. 74—219)



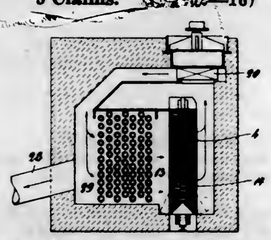
1. In a transmission device, four opposed pulleys journaled for rotation in close proximity to each other, there being semi-circular grooves disposed about the peripheries of said pulleys, radial flanges on said pulleys having walls merging into the walls of the grooves, said pulley grooves combining at four points to form substantially circular openings for the passage of a belt in contact with the grooves of two pulleys at each of said four points, an endless belt of circular cross-section disposed in the grooves of said pulleys and frictionally engaging the groove of each pulley through an arc of substantially 180° of the periphery of the pulley, said grooves frictionally engaging the belt through a cross-sectional arc of substantially 180°, means to rotate one of said pulleys, and a driven member operatively connected to another of said pulleys.

2,269,025

DRY DISTILLATION OF SHALE AND OTHER SLATE-SHAPED MATERIALS

Edvin Andreas Johansson, Stockholm, Sweden

Application November 28, 1940, Serial No. 367,492
In Sweden December 1, 1939
5 Claims. (Cl. 202—16)



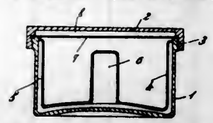
1. In the dry distillation of slate-shaped materials in which said material is conveyed through a distillation furnace charged on perforated carriers and the heating of the material is effected by means of distillation gases produced in the process, which are in a heated state repeatedly circulated inside the furnace through said charge of material, the steps which consist in charging the slate-shaped material in such a way that the flat sides of the pieces take a substantially horizontal position, and passing the distillation gases through the material thus charged in a substantially horizontal direction.

2,269,026

STORAGE VESSEL FOR THE RADIOACTIVE TREATMENT OF CREAMS AND THE LIKE PRODUCTS

Stefan Klinghoffer, Paris, France

Application August 19, 1937, Serial No. 159,908
In France August 27, 1936
1 Claim. (Cl. 250—106)



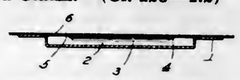
A pot for the treatment of different substances such as creams, pastes, pomades, ointments, natural or artificial clay, bath salts and the like, said pot being provided with a lid, said pot and said lid being provided on substantially its entire inner surface with an inner removable double wall, said inner wall comprising a projection closed at the top thereof, said projection being arranged substantially in the middle of said pot and extending over at least half the inner height of said pot, said inner wall limiting a space within which is housed a material capable of generating radioactive emanations.

2,269,027

DEVICE WHICH ENABLES DRESSINGS OR PLASTERS TO BE KEPT AT A CONSTANT DEGREE OF RADIOACTIVITY

Stefan Klinghoffer, Paris, France

Application January 13, 1939, Serial No. 250,747
In France January 15, 1938
1 Claim. (Cl. 128—1.2)



A storage device adapted to keep dressings or plasters previously rendered radioactive at a substantially constant degree of radioactivity, said device comprising in combination a protecting plate impervious to radioactive emanations and formed with a central indented portion, a cloth backing member impregnated with adhesive material to which said protecting plate is affixed, a radioactive stabilizer consisting of a sheet of paper provided with a radioactive material generating radioactive emanations and located between said backing member and the indented portion of said protecting plate, said sheet of paper being attached, by that one of its faces, nearest said backing member, to a substantially flexible metal sheet impervious to radioactive emanations and of a size to bridge the indented portion of said protecting plate, said metal sheet being interposed between said sheet of paper and said backing member, the other face of said sheet of paper being coated with a medicinal product previously rendered radioactive, said backing member being adapted, alternatively, to hold said medicinal product inside the said indented portion of said protecting plate and to hold said medicinal product over the part of the body to be treated after said protecting plate has been removed.

2,269,028

EXECUTION OF CATALYTIC CONVERSIONS IN THE PRESENCE OF FERROUS METALS

George E. Liedholm and Robert M. Cole, Long Beach, and Irving I. Shultz, Los Angeles, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 9, 1940, Serial No. 356,036
11 Claims. (Cl. 196—52)

1. In a process for the conversion of carbonaceous materials in the vapor phase at an elevated temperature at least equal to 750° F. wherein the reactant vapors are contacted with a catalyst susceptible to contamination by iron in the presence of a ferrous metal and the catalyst is periodically regenerated in situ by the oxidation of combustible deposits therefrom, the step of inhibiting the contamination of the catalyst by iron which comprises maintaining in the feed to the reaction zone from 0.0006% to 0.015% sulfur in the form of a volatile oxygenated sulfur compound.

2,269,029

CANE

Henry R. Lounsbery, Noroton, Conn.

Application June 30, 1939, Serial No. 282,136
3 Claims. (Cl. 88—78)



1. As an article of manufacture, a cane including a shank portion and a sleeve of material of substantial length encircling said shank portion adjacent its upper end, said sleeve presenting an uninterrupted reflective surface rigid and substantially flush with respect to the cane shank and whereby a source of illumination directed towards said cane will be visible in the form of a flaring reflection, and securing means adjacent the upper and lower ends of said sleeve and constricted around said shank to retain said sleeve against movement with respect to said shank.

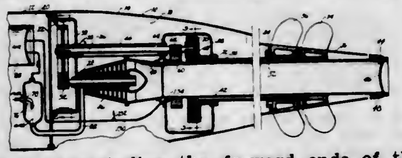
2,269,030

TORPEDO

Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill and Percy H. Batten, as trustees

Application July 8, 1938, Serial No. 218,046
In Great Britain July 15, 1937
8 Claims. (Cl. 114—20)

1. A self-propelled torpedo including two hollow concentric propeller shafts terminating at their forward ends within a power section of the torpedo, an elastic fluid turbine having a rotor shaft and located in the power section longitudinally of the torpedo, the inlet end of the turbine being disposed forwardly of the torpedo and the outlet being located to deliver exhaust gases without abrupt change in direction of flow to the forward end of the inner of said hollow propeller shafts, a primary reduction gear located at the forward end of the turbine and connected to the inlet end of said rotor shaft, a secondary reduction gear comprising a



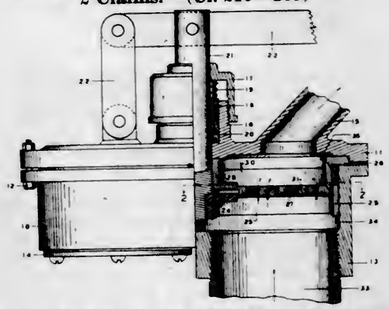
gear case encircling the forward ends of the propeller shafts, and a single power shaft for transmitting power from the primary gear to the secondary gear, said secondary reduction gear including gears for transmitting drive from said single power shaft to each of said propeller shafts and in respectively opposite directions.

2,269,031

TANK BLEEDER VALVE

William J. MacArthur, Los Angeles, Calif.

Application July 1, 1939, Serial No. 282,443
2 Claims. (Cl. 210—169)



1. An automatic tank bleeding valve comprising: a case with inlet and outlet openings; a pair of grids arranged across said case between said openings, said grids having spaced parallel ribs, the ribs of each grid being arranged to enter the spaces between the ribs of the opposite grid to leave narrow channels for the passage of liquid laterally through said grids, the walls defining each said channel being substantially parallel, and means for manually advancing and retracting one of said grids as regards the other of said grids.

2,269,032

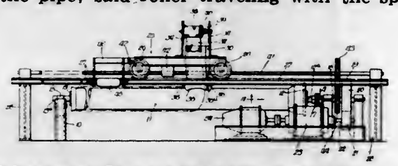
APPARATUS FOR COATING AND WRAPPING PIPE

William Davis Moore, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia

Application October 25, 1939, Serial No. 301,267
8 Claims. (Cl. 25—38)

1. A machine of the class described comprising, in combination, a pipe support for holding pipe against any movement except rotation; means to rotate the pipe about its longitudinal axis while on said support; a traveling hopper having an outlet adjacent the pipe, said hopper being adapted to receive a supply of cement mortar and to discharge the same upon the rotating pipe; means for holding a supply of fabric; tensioning means for the fabric; means to feed the tensioned fabric to the pipe adjacent the point at which the cement mortar is dumped; the

means for holding the supply of fabric comprising a spool which travels with the hopper; said fabric being guided by a roller to the upper part of the pipe; said roller traveling with the spool



and having a flange whose edge has rolling contact with the surface of the pipe; and means for mounting said roller so that it may rise and fall on the surface of the pipe.

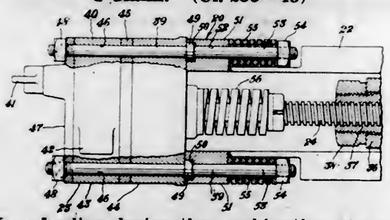
2,269,033

CUSHIONING DEVICE

William A. Morrison, Easton, Pa., and Albert R. Mack, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application May 24, 1940, Serial No. 336,914

1 Claim. (Cl. 255—45)



In a feeding device, the combination of a guide member and a rock drill slidable thereon, a feed screw slidable longitudinally on the guide member and threadedly connected to the rock drill, a motor connected to the feed screw for rotating the feed screw and having a casing divided into sections, rods to secure the casing sections together and being slidable in the guide member, and springs on the rods seating against the guide member to cushion the endwise movement of the rods.

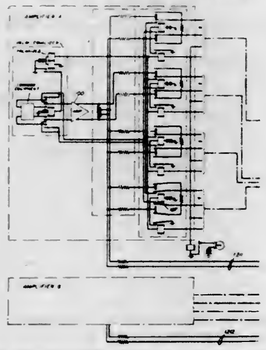
2,269,034

BROADCAST SWITCHING SYSTEM

Paul B. Murphy, South Nyack, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 23, 1940, Serial No. 353,851

7 Claims. (Cl. 179—1)



1. In a communication system, a plurality of lines, switching means for interconnecting said lines into independent groups in any desired combination, means for preselecting and preparing circuit arrangements to control said switching means to rearrange the interconnection of said lines as desired, a master switch for each group for completing said prepared circuits, and other preselecting means for rendering said master switches effective, either singly or in any desired combination, to effect said rearrangement.

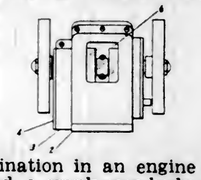
2,269,035

EDUCATIONAL INTERNAL COMBUSTION ENGINE

David S. Neal, Harrod, Ohio

Application November 30, 1940, Serial No. 368,009

3 Claims. (Cl. 35—13)



1. In combination in an engine of the character described, a crank case body provided with bearing seats, mounting in wholly exposed position a crank shaft and immediately accessory parts, a removable crank case section cooperating therewith to clamp said shaft in operative position and to enclose the cranks of said shaft, means clamping said section to said body, said removable section being provided with a window opposite the cranks of the aforesaid shaft and lights disposed in the crank case body on the opposite side of said cranks from said window.

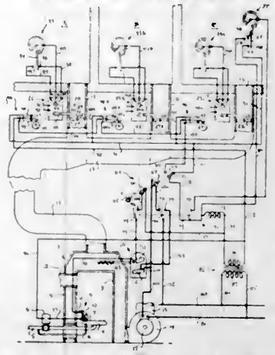
2,269,036

SUMMER-WINTER AIR CONDITIONING CONTROL SYSTEM

Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 24, 1938, Serial No. 231,547

14 Claims. (Cl. 236—11)



1. In an air conditioning system having a plurality of zones, in combination, air treating apparatus, means including a fan for circulating air to said zones, individual zone thermostats and dampers controlled thereby for regulating the temperature in respective zones, electrical control apparatus comprising a relay means controlling the fan, an auxiliary switch associated with each damper, each auxiliary switch being operable to energize said relay means for starting the fan, a summer-winter changeover switch operable for summer operation to influence the control apparatus so that all the said auxiliary switches must cooperate for energizing the relay, and said summer-winter switch being cooperably arranged with the relay means whereby during summer operation the fan is started when the relay is deenergized.

14. In an air conditioning system for a plurality of zones, in combination, conduit means for delivering a temperature changing medium to said zones, means for forcing circulation of said medium through said conduit means, damper means for controlling the delivery of said medium to each zone, control means associated with each zone for positioning the respective zone damper means, separate control means for controlling the operation of said circulation forcing means, switch means responsive to the position of each said damper means, and means for interlocking all said switch means and said last-mentioned control means to prevent operation of said circulation forcing means when all said damper means are closed.

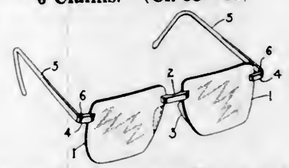
2,269,037

OPHTHALMIC MOUNTING

Arne J. Oker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application October 14, 1937, Serial No. 168,952

6 Claims. (Cl. 88—41)



5. In an ophthalmic mounting a pair of rimless lens members of optical definition formed of a relatively light weight resinous material having the properties of a vitreous body and having predetermined ophthalmic characteristics and substantially optically accurate surfaces, a bridge member of substantially the same material as the lenses, joined with said lens members by the intermingling of the materials of said bridge member with the material of said lenses at the point of joinder, and endpiece members formed of substantially the same material as the lenses joined therewith by the intermingling of the material of said endpieces with the material of said lenses at the point of joinder, said bridge and said endpiece members having at least a side surface overlying the plane of the adjacent surface of the lenses and an edge portion overlying the adjacent plane of the edge surface of the lenses, the portions of the bridge member and endpiece members adjacent the lenses being of a thickness greater than the adjacent thickness of the lenses, said side surfaces of the bridge member and the similar side surfaces of the endpiece members overlying the plane of the adjacent surfaces of the lenses being all on one side of said lenses.

2,269,038

TEMPERATURE-INDICATING INSTRUMENTALITY

Lloyd M. Perry, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application July 25, 1940, Serial No. 347,463

13 Claims. (Cl. 116—114)

1. An instrumentality for determining whether an appliance has an effective minimum temperature comprising a paper base having a colored face covered by a film of a color different from the base and normally obscuring the latter, which film comprises an adhesive binder non-fusible at the said minimum temperature which retains



distributed therethrough a light-intercepting assemblage of impalpable particles of a substance which melts at the said minimum temperature thereby causing it to become transpicuous to reveal the color of the underlying base.

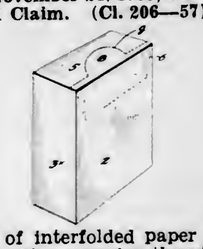
2,269,039

PACKAGE OF INTERFOLDED PAPER SHEETS AND DISPENSING WRAPPER THEREFOR

Ray Ross, New York, N. Y.

Application November 24, 1939, Serial No. 305,852

1 Claim. (Cl. 206—57)



A package of interfolded paper sheets and a dispensing box-like wrapping therefor, the wrapping comprising a sheet cut, scored and folded to form front and rear panels, end panels and side panels, one of said end panels having an extension projecting into the wrapper and lying along the front wall thereof, the said extension having a reversely and inwardly bent portion which is interfolded with the adjacent paper sheet, the last named end panel being completely traversed by a weakened line whereby said extension and portion of said last named end panel may be completely detached from said package, to expose a passageway for the dispensing of the interfolded paper sheets.

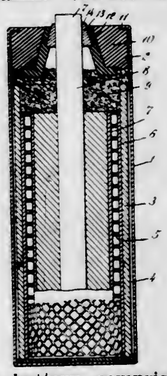
2,269,040

STORAGE BATTERY

George F. Rublee, Bridgeport, Conn., assignor to Arthur Slepian, Bridgeport, Conn.

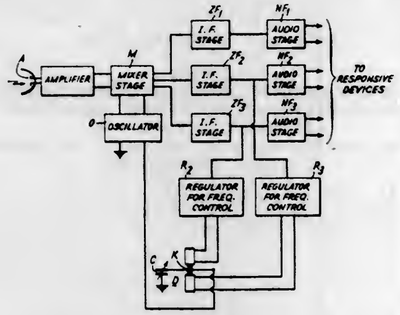
Application December 6, 1939, Serial No. 307,751

3 Claims. (Cl. 136—23)



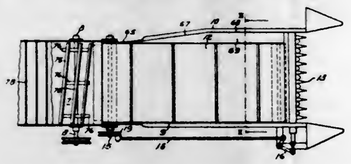
1. A storage battery comprising a positive electrode formed of an oxide of lead, a negative electrode of copper and an electrolyte comprising cupric ammonium sulfate.

2,269,041
AUTOMATIC FREQUENCY CONTROL SYSTEM
Karl Schüssler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 28, 1939, Serial No. 311,265
In Germany October 21, 1938
4 Claims. (Cl. 250—9)



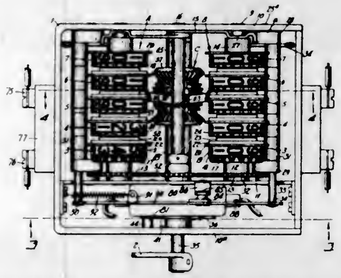
1. A radio system receptive of a plurality of simultaneously propagated radio frequency carriers of different neighboring frequencies, said system having an oscillator, means including a single mixer stage for mixing the output from the oscillator with said simultaneously received radio frequency carriers, a plurality of intermediate frequency amplifiers, each responsive to a different heterodyne frequency derived from said mixer stage, and means controlled by output components from a pair of said amplifiers for regulating the frequency of said oscillator, said regulation being in one sense in response to a predominant output component from a particular amplifier of said pair, and in the opposite sense in response to a predominant output component from the other amplifier of said pair.

2,269,042
HARVESTING MACHINE
Charles J. Scranton, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 26, 1940, Serial No. 347,603
10 Claims. (Cl. 56—122)



1. In a machine of the class described, a wheel-supported housing, mechanism for treating grain or the like carried by said housing and comprising a rotatable, horizontally disposed cylinder, a header platform mounted at the forward side of said housing and having its rear end of substantially the same width as said cylinder and its forward end of greater width than said cylinder, said header platform including an endless traveling conveyer of a width substantially equal to the width of said cylinder and adapted to convey material from the forward end of the header platform rearwardly in a direct line to said cylinder, said header platform having side walls, a forward portion of one of said side walls being substantially vertical and displaced outwardly with respect to the rear portion of said wall and including a portion of gradual outward flare, and said wall including a flat ledge or shelf in approximately the same plane as the conveying surface of said conveyer and having its rear portion of gradually reducing width and extending inwardly from and at substantially right angles to the substantially vertical portion of said side wall into close proximity to the adjacent edge of said conveyer, and crop collecting means disposed at the forward end of said header platform extending parallel to the axis of said cylinder and operative to deposit cut grain or the like on the forward portion of said conveyer and said shelf associated with said side wall.

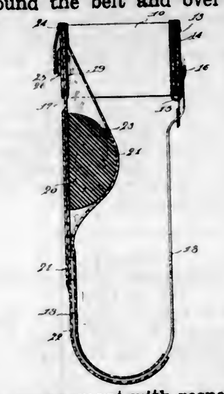
2,269,043
COUNTER
Harvey L. Spaunburg, West Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application October 6, 1938, Serial No. 233,586
14 Claims. (Cl. 235—132)



1. Predetermined counter mechanism including two counters, each having a plurality of operatively connected counting mechanisms, driving means operatively connecting the counting mechanisms of lowest order, each of said counters having predetermining mechanism including means rotatable with the counting mechanisms thereof and cooperating predetermining means operable when a predetermined count has been completed, a driving element reversely operable to drive said counter driving means in opposite directions, and means operated upon the operation of the cooperating predetermining means of either counter for reversely operating said element.

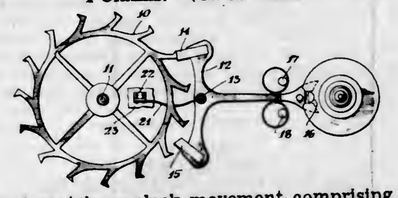
2,269,044
TRUSS
Frank L. Union, Miami, Fla.
Application April 4, 1941, Serial No. 386,898
1 Claim. (Cl. 128—121)

In a truss of the character described, a belt element, a depending pad-supporting web, a leg strap extended therefrom, means to connect the leg strap to the belt at the rear portion of the latter and slidable on the belt, a tubular boot element slidable upon the strap and having a pad therein having a flat side and an oval side, said boot having a broadened piece open at the front at the upper end of the boot, separable fastener elements on the upper end portion of said broadened piece, separable fastener elements upon the front face portion of the belt, said broadened portion of the boot being drawn upwardly around the belt and over the top edge



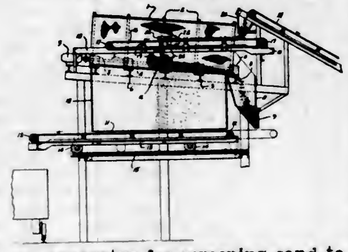
thereof for engagement with respective separable fastener elements.

2,269,045
CLOCK AND WATCH
Valdemar Virtanen, Morristown, N. J.
Application December 7, 1940, Serial No. 368,998
4 Claims. (Cl. 58—122)



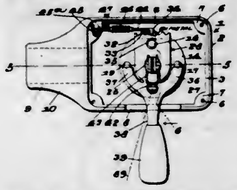
1. A watch or clock movement comprising an escape wheel, a pallet and pallet arbor, said arbor having a portion of reduced diameter for cooperation with a spring for steadying the movements of the arbor and pallet, a spring for the purpose stated, and mounting means for the spring constructed in such manner as to hold the spring at a right angle to the length of the arbor and under constant tension against the reduced portion of the arbor.

2,269,046
APPARATUS FOR SCREENING SAND AND GRAVEL MIXTURES
James H. Whitehead, Westfield, N. J., and Christian Mathiesen, Albany, N. Y., assignors to Whitehead Brothers Company, Jersey City, N. J., a corporation of New Jersey
Application July 12, 1938, Serial No. 218,726
1 Claim. (Cl. 209—284)



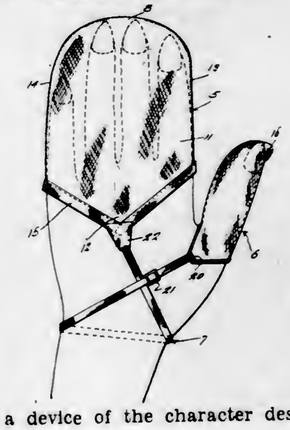
In an apparatus for screening sand to remove gravel and debris therefrom, the combination comprising a longitudinally inclined cylindrical screen of a mesh considerably coarser than the sand and also coarser than a substantial part of the gravel to be separated from such sand, means for rotating said screen, means for delivering a mixed charge of sand and gravel onto the bottom inner surface of said screen at a point intermediate the ends thereof, said means including a rotatably mounted conveyor belt and an adjustable scraper blade extending across the same at an oblique angle and whose edge is in close proximity thereto and means for adjusting said scraper, a separate conveyor belt positioned below said screen and which is mounted on a longitudinally movable carriage; and a framework for supporting said screen and said carriage and said first mentioned rotatably mounted conveyor belt.

2,269,047
SWITCHING MECHANISM FOR AUTOMOBILE SIGNALS
Hubert E. Woodring, Denver, Colo.
Application September 19, 1940, Serial No. 357,466
7 Claims. (Cl. 200—122)



1. In a switching mechanism, an insulating mount having at least two spaced contacts adapted to form part of a circuit, a switch blade and means by which it is pivoted on said mount for turning, said blade being always in engagement with one of said contacts and provided with a hole larger than the other contact which is adapted to be centered therein, thus requiring a preliminary idle motion of the switch blade prior to the engagement of the second named contact with a wall of said opening.

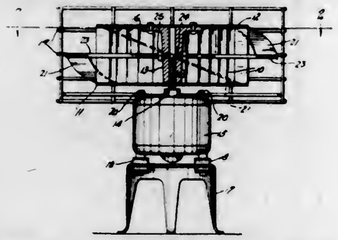
2,269,048
HAND COVERING
Howard G. Wright, Richmond, Va.
Application August 22, 1939, Serial No. 291,447
2 Claims. (Cl. 2—20)



1. In a device of the character described, a

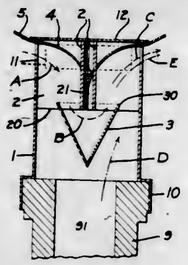
hand covering including a finger housing pocket and a thumb housing member, said thumb housing member including a sheet of material folded longitudinally upon itself and stitched at the side edge portions opposite said fold to form a stall having a biased open end portion and a side wall opening in said biased open end portion, a tab secured to and between said side edge portions of said stall at its other end portion, a strap secured at one end portion to said finger housing pocket with its other end portion extended through the side wall opening in said biased open end portion of thumb stall, and a slide fastener adjustably mounted on said strap between said thumb stall and said finger housing pocket with the other end portion of the strap secured thereto.

2,269,049
FAN
Walter Zellweger, St. Louis, Mo.
Application May 27, 1940, Serial No. 337,376
6 Claims. (Cl. 230—45)



1. A fan mechanism comprising a blower type fan having vanes disposed to discharge air outwardly from the axis of rotation, and elongated arcuate blades supported outwardly of the fan for rotation therewith to control the direction of flow of the air discharged by said vane, the said blades being supported for adjustment to various pitch angles relative to said axis of rotation.

2,269,050
CHIMNEY CAP
Emil Zimmerman, Everett, Wash.
Application November 1, 1939, Serial No. 302,354
10 Claims. (Cl. 98—78)



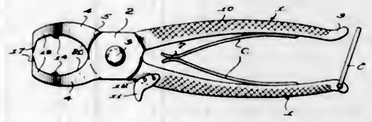
1. A chimney cap comprising a collar formed as an upward extension of the chimney, and closed at its top, having openings in all its sides adjacent its top, upright partitions extending across the interior of the collar, subdividing it into at least four sectors, the partitions extending from the closed top downwardly to a level below said openings, and being imperforate throughout such extent, whereby communication between sectors can be had only beneath the partitions, and a hollow, inverted pyramidal deflector disposed with its apex spaced beneath the juncture of the partitions, the edges of said pyramidal deflector being disposed above the level of the lower edge of the partitions, and inwardly from the walls of the collar, to leave an annular smoke passage, and such edges being further disposed outwardly of the juncture of the partitions, to direct air which enters at one opening downwardly at the corresponding side of the partitions and then upwardly at the other side thereof, for discharge with entrained smoke, through an opening at such other side.

2,269,051
SOIL AND MOISTURE CONSERVING DISK OR BLADE
Vincent F. Cahoy, Colome, S. Dak.
Application October 23, 1939, Serial No. 300,856
1 Claim. (Cl. 97—217)



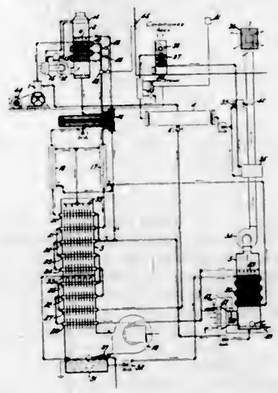
In a soil tilling device, an essentially disk-shaped body formed with a pair of diametrically opposed protruding edge portions and a pair of diametrically opposed recessed edge portions, the said edge portions being of arcuate configuration and concentric with the body and the protruding edge portions being of equal radius from the center of the body, whereby rotary operation of the body will form a pair of alternate shoulders and pockets in the soil for each revolution thereof.

2,269,052
NUTCRACKER
Cleve B. J. Colvin, Goldthwaite, Tex.
Application June 11, 1940, Serial No. 339,937
1 Claim. (Cl. 146—13)



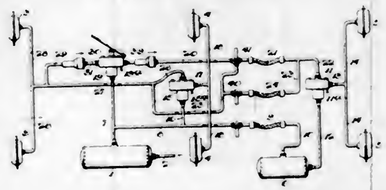
A nutcracker comprising a pair of hand levers pivoted together in opposed crossed relation for manipulation toward and from each other, a pair of outwardly bowed opposed jaw members on said levers, respectively, operative for opening and closing under movement of said levers away from and toward each other, respectively, said jaw members having inturned front ends of rectangular edge contour tapering to sharp straight cutting edges mating with each other, said ends having straight front faces for facilitating cutting nuts in half, and said jaw members having outwardly bowed central side edge portions for strengthening the same and widening said jaw members in the center thereof, and a pair of transverse central ribs on the inner faces of said jaw members extending from edge to edge of the widened portions of said members, said ribs being transversely rounded and longitudinally fluted to provide pairs of opposed grooves on the ribs for seating nutshells therein while closing said members thereon to apply pressure thereto, there being a pair of grooves in the centers of said ribs, a single pair on one side of said center, and two pairs on the other side of said center, the inner faces of said jaw members upon opposite sides of said ribs being smooth.

2,269,053
AIR CONDITIONING SYSTEM
Robert B. P. Crawford, Athens, Ga.
Application October 17, 1939, Serial No. 299,883
12 Claims. (Cl. 62—129)



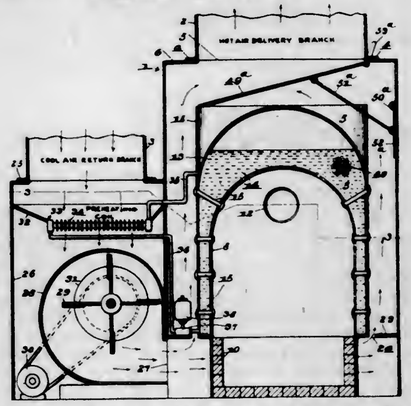
1. An air conditioning system comprising a compression-expansion refrigerant cycle including heat transfer means for the transfer of heat from the conditioned area to the refrigerant, a hygroscopic liquid cycle including means for contacting air supplied to the conditioned area with the hygroscopic liquid for removal of moisture from the air, heat exchange means whereby the hygroscopic liquid is brought into heat exchange relationship with the compressed refrigerant under evaporative conditions for concentration of the hygroscopic liquid and condensation of the refrigerant, and means for bringing the concentrated hydroscopic liquid into heat exchange relationship with water while subjecting the water to the evaporative cooling effect of a current of air.

2,269,054
BRAKE MECHANISM
Ellery R. Fitch, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application February 23, 1940, Serial No. 320,492
20 Claims. (Cl. 188—3)



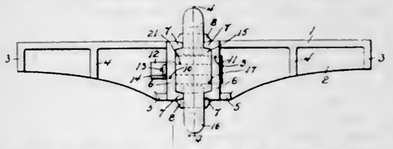
1. A fluid pressure braking system for vehicles comprising a reservoir, front braking devices, rear braking devices, means for connecting the reservoir to said front braking devices, means for connecting the reservoir to said rear braking devices, means for operating said first and said second means, means associated with the last named means for causing energizing of said second means prior to the energizing of said first means, and additional means associated with the said last named means and controlled by said operating means for causing deenergization of said first named means prior to the deenergization of said second means.

2,269,055
SPLIT HEATING SYSTEM
Thomas Charles Gower, Greenville, S. C.
Application August 25, 1939, Serial No. 291,968
5 Claims. (Cl. 237—9)



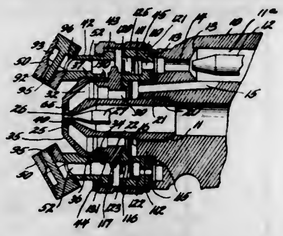
2. A split heating system comprising a closed air circuit including air delivery and return branches, the return branch having an opening, a furnace having a water jacket, a radiator chamber connected to the furnace for receiving the escaping products of combustion, a casing enclosing the furnace with its jacket and radiator chamber to confine the radiant heat and being coupled in said system to supply the heat for the air passing into the delivery branch, a preheating coil occupying said opening like a grille, intercepting the air in the return branch and preheating it prior to its reentrance into the casing, said coil being piped to the jacket, a circulating pump coupled in said piping, and a motor to drive the pump, having a thermal control in substantial contact with the preheating coil.

2,269,056
DETACHABLE CONVEYER FLIGHT
Conrad F. Guest, Esquimalt, British Columbia, Canada
Application April 8, 1941, Serial No. 387,526
7 Claims. (Cl. 198—176)



1. In chain conveyers, a flight having a bottom wall, a front wall and a body part upstanding from the bottom wall, said body part having a socket, a flight link having an enlarged body part to fit in said socket and having portions extending fore and aft of the flight for connection to the links of a conveyer, said bottom wall within the confines of the socket, having lug receiving slots and said link having lugs to fit into said slots, said body parts having key-receiving slots, a key in said key-receiving slots, and removable means engaging said key for holding it in place.

2,269,057
SPRAYING DEVICE
Alexander F. Jenkins, Baltimore, Md.
Original application January 10, 1938, Serial No. 184,301. Divided and this application December 20, 1939, Serial No. 310,239
8 Claims. (Cl. 299—140.1)

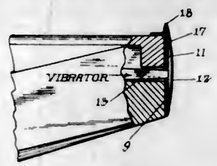


2. In a spray gun for coating materials or the like, a nozzle assembly at the forward end thereof for the projection of an atomized spray of material therefrom, said nozzle assembly comprising an inner centrally disposed nozzle element having a substantially conical tip, an axial liquid passageway therein terminating forwardly in a central liquid discharge orifice in the front end of the tip, an annular air chamber within said nozzle element and surrounding said central liquid passageway, a radially extending flange formed upon said nozzle element and having a forwardly extending annular flange formed thereon, spaced from the outer periphery thereof, and enclosing said annular air chamber, a cap element having a rearwardly directed annular flange fitted snugly upon the outer surface of said first named annular flange and a forward wall provided with an orifice communicating with said air chamber for the projection of a jet of aspirating and atomizing air adjacent the liquid orifice, a transverse external annular shoulder formed on the annular flange of the cap and spaced forwardly of said radial flange on the inner liquid nozzle element, whereby a space is provided for the insertion of a tool for prying said cap from said element, an outer annular air cap provided with means for projecting auxiliary spray flattening air jets and adapted to be secured to the gun body, said outer air cap fitting snugly around the outer surface of the rearwardly directed flange of the inner cap.

4. In the manufacture of spray gun nozzles having an air cap member provided with a shouldered base element, a cooperating clamping ring surrounding the same and side wing jet elements at the forward end thereof projecting radially outwardly beyond said clamping ring, the method of assembly of said air cap member which comprises the steps of applying said ring over the forward end of said base element, moving it rearwardly until it abuts the shoulder on the base element, and then soldering the side wing jet elements in place at the forward end of said base element.

2,269,058
ELECTRIC RAZOR
Joseph T. Kirkland, San Francisco, Calif.
Application March 10, 1939, Serial No. 261,079
3 Claims. (Cl. 30—43)

1. In a razor of the character described, a casing having one of the major surfaces thereof chamfered and also having its side faces chamfered forming a flat reduced transverse end, a guard covering said end, a blade on the inside of the guard and having teeth extending from

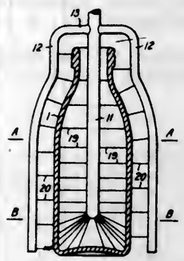


end to end thereof, and a spring between the blade and the flat end of the casing.

2,269,059
METHOD OF PREPARING FINELY COMMINUTED OXIDES
Dan McLachlan, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application May 14, 1938, Serial No. 208,056
14 Claims. (Cl. 23—140)

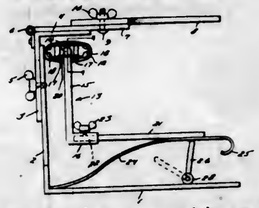
5. The method of preparing finely divided oxides which includes dissolving a hydrolyzable compound in a non-aqueous liquid medium comprising at least one liquid in which water is substantially insoluble, the concentration of the compound per 500 cc. of solvent being not less than the equivalent of one mol of the oxide, introducing into the solution slowly and with agitation an amount of water which is substantially the stoichiometric quantity necessary to convert the compound to the oxide, the concentration of the water being not less than that of the compound, and thereafter separating the oxide by filtration.

2,269,060
TEMPERING OF HOLLOW GLASS ARTICLES
John Bawden Mitford, Rainhill, England, assignor to Corning Glass Works, Corning, N. Y., a company of New York
Application November 2, 1939, Serial No. 302,597
In Great Britain October 20, 1938
3 Claims. (Cl. 49—89)



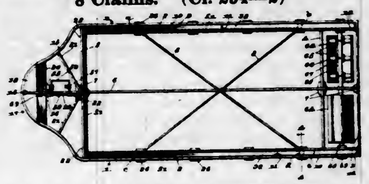
1. A process of tempering a hollow glass article having a closed base and an open top and having a height at least twice its diameter, by heating the same to a temperature adjacent its softening point and rapidly chilling the heated article by directing jets of gaseous chilling fluid against its inner and outer surfaces which is characterized by directing a greater amount of chilling fluid against its inner surfaces than against its outer surfaces, and directing more than half of the chilling fluid that is directed against its inner surfaces against the lower half thereof.

2,269,061
DENTAL ARTICULATOR
Herman Richard Nerbas, Roseburg, Oreg.
Application April 21, 1941, Serial No. 389,672
3 Claims. (Cl. 32—32)



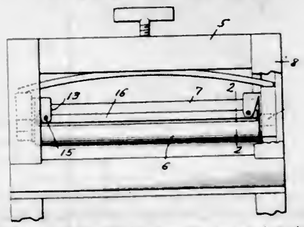
1. A dental articulator comprising a support, a tube mounted on said support, a rod extending through said tube, a plurality of substantially V-shaped springs mounted in the tube and having one end anchored therein, the other ends of the springs being engaged with the rod for floatingly and rotatably supporting said rod in the tube in spaced relation thereto, and a cast jaw holder mounted on the rod.

2,269,062
LUMBER TRAILER
Charlie C. Pearson, Selma, Ala.
Application April 19, 1940, Serial No. 330,602
8 Claims. (Cl. 254—2)



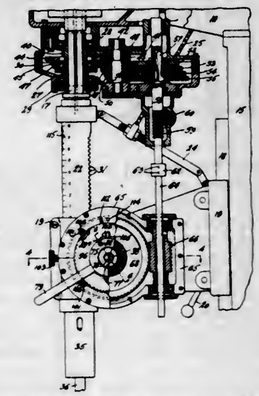
1. A trailer comprising a wheeled body, frames in said body including channel beams located back to back, spacer plates fixedly connected to and between said beams defining pockets, elevator members contained by said pockets, and jacks to actuate the elevator members, said jacks including cylinders affixed to the frames and pistons operable in the cylinders having rods guided by the spacer plates, being movable therethrough and projecting into the pockets against the elevator members to raise and lower the elevator members.

2,269,063
WRINGER GUARD
Dwight C. Provost, Nassau, N. Y., assignor of one-half to Harold T. Provost, Sloansville, N. Y.
Application January 29, 1940, Serial No. 316,233
2 Claims. (Cl. 68—270)



2. An attachment for wringers of a type having upstanding spaced side frame members provided with a vertical channel at the inner side of the frame members and within which the ends of the wringer rollers are journalled, said attachment comprising a pair of brackets including a plate positioned in the channel of the frame and having an opening freely receiving an adjacent end of one of the rollers, an integral inturned flange on the upper edge of each plate positioned transversely above the roller, integral downturned wings at the ends of the flange and a pair of scraper blades having their ends attached to one of the wings of each bracket and supported longitudinally at opposite sides of the roller, said brackets being snugly fitted in the channels to maintain the brackets against swinging movement on the rollers.

2,269,064
POWER FEED MECHANISM FOR MACHINE TOOLS
Russell H. Rideout, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y.
Application February 24, 1940, Serial No. 320,666
5 Claims. (Cl. 77—33)



1. A power feed mechanism for advancing the tool to the work, including a driven shaft connected with said tool for moving the same toward and from the work, a clutch member splined on said shaft, a driving clutch member rotatable about said shaft and adapted to engage said first mentioned clutch member to transmit power to said shaft, means for yieldingly urging said clutch members out of engagement with each other, a hand operated feed member mounted to rotate on said shaft, cooperating faces on said hand feed member and said splined clutch member for urging said splined clutch member into engagement with said other clutch member to cause said power feed mechanism to advance the tool to the work, and means for locking said hand feed member and said splined clutch member against relative rotation while the latter is out of engagement with said other clutch member, for enabling said tool to be advanced toward and from the work only by means of said hand feed member.

2,269,065
SURGICAL SPLINT
Fred W. Roberts, Portland, Oreg.
Application April 26, 1941, Serial No. 390,618
1 Claim. (Cl. 128—87)

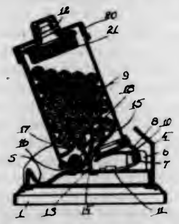
A splint for fractures comprising an elongated flat rigid bar of greater length than that of a human limb being dealt with and having two of its edges turned inwardly to form oppositely facing longitudinal grooves to afford rigidity to the

bar throughout its length, a flexible flat plate equal in length to that of the rigid bar and slidably embraced by the longitudinal grooves in said rigid bar whereby either end of the flexible plate may be extended beyond the ends of the rigid bar, means for locking the flexible plate in any of its extended positions with respect to the rigid bar, said flexible plate adapted to be bent as a bow throughout the length of its extended portion with respect to the rigid bar, strap fastening means for attaching the rigid bar to a



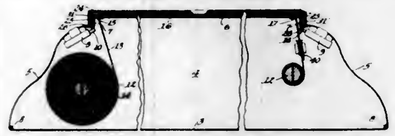
limb, bending means for the flexible plate comprising straps removably secured at opposite ends of the splint on the same side thereof to bend the extended portion of the flexible plate, means formed on one end of said last mentioned straps for attaching the end of the limb to the end of the flexible plate, additional straps removably secured to the splint and adapted to attach to a limb on both sides of a fracture in such manner that the springiness of the bent portion of the flexible plate holds the fracture under tension.

2,269,066
CIGARETTE DISPENSER
Louis G. Steininger, Rochester, N. Y.
Application August 2, 1940, Serial No. 349,722
5 Claims. (Cl. 312—77)



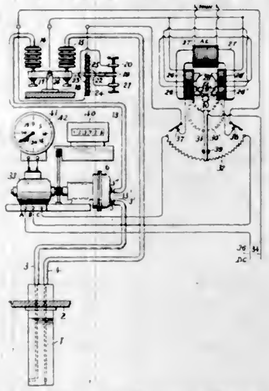
1. In a dispensing device for cigarettes, the combination of a base, a receptacle having a dispensing opening therein at the bottom thereof, supporting means providing limited bodily movement for said receptacle on said base, a fixed gate member supported by said base and projecting into the opening in said receptacle for movement in and out of said opening, a second gate member movable with said receptacle and arranged thereon for normal position adjacent said fixed gate member, and an ejector carried within said receptacle and movable therewith for movement into and away from the normal position of said second gate member relative to said first gate member.

2,269,067
RECORD KEEPING APPARATUS
William Dale Winders, Columbus, Ohio
Application July 20, 1939, Serial No. 285,562
15 Claims. (Cl. 282—5)



6. Record keeping apparatus comprising an elongated support box provided with a panel-like top and hinged ends, lock means carried by said ends to prevent unauthorized access to the interior of said box, a separator plate extending over said panel and spaced therefrom to provide a pocket to slidably receive a ledger card, said panel being provided adjacent each end with a slot, means in said box for revolubly supporting a roll of double impression copy paper, said paper being trained up through one of said slots over said separator plate and back into said box through the other slot, means for imparting controlled movement to said paper, a protector plate pivotally secured to said support for swinging movement about one longitudinal edge of said panel to a position normally overlying the copy paper on said separator plate, said protector plate being secured in its normal position by said box end locking means, and a cover pivoted adjacent the longitudinal edge of said panel opposite that near which said protector plate is pivoted, said cover being capable of swinging movement to permit the placing of an account sheet on said protector plate, said cover being formed with a transversely extending slot through which a limited portion of the account sheet may be viewed, said protector and separator plates being formed with similar slots in registration with the slot in said cover.

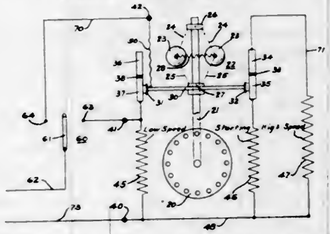
2,269,068
TRAVEL INDICATOR FOR SHIPS
Francis L. Corbin, Chatham, N. J., assignor to Pitometer Log Corporation, a corporation of New York
Application July 3, 1939, Serial No. 282,609
20 Claims. (Cl. 73—205)



1. In an indicator, the combination with pressure tubes, a fluid-pressure producing device connected with one tube, a driving motor for said pressure device, pressure responsive containers connected respectively with the intake of said device and with a static orifice of another of said

tubes, electric contacts controlled by said containers, electro-magnetic coils in series with two of said contacts and exerting forces to separate the contacts, the electric current through which is interrupted by the action of said coils when the opposing force is insufficient, and means including a speed controlling device for determining the speed of said driving motor through the action of said contacts, for the purposes set forth.

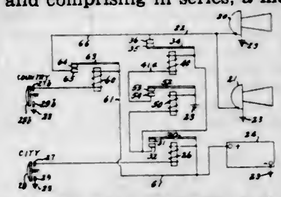
2,269,069
ELECTRIC MOTOR
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 19, 1938, Serial No. 246,566
7 Claims. (Cl. 172—279)



1. A single phase, split-phase, two speed electric motor having a rotor, a stator provided with a starting winding and first and second running windings, said starting winding being angularly displaced relative to said running windings and having a pole number equal to that of the first running winding, the second running winding having a different pole number, a switch having at least three stationary contacts and a movable bridging member normally engaging but two of said three contacts, means actuated by said motor for moving said member away from said two contacts into engagement with the third of said contacts when said rotor reaches a predetermined speed, said motor having only three external terminals, one end of each of said windings being connected together and to a first of said terminals, the other end of the first running winding being connected to a second of said terminals and to one of said two stationary contacts of the switch, the other end of the starting winding being connected to the other of said two stationary contacts of the switch, the other end of the second running winding being connected to the third contact of said switch, the bridging member being connected to the third of said terminals, means for controlling said motor comprising means for connecting one conductor of a single phase source to the said first terminal, and for selectively connecting the other conductor of the source to either one of the other two terminals to determne the runnng speed of the motors.

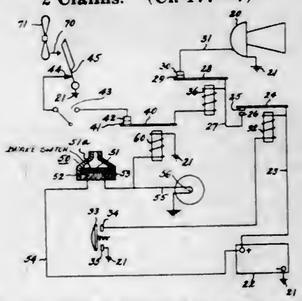
2,269,070
HORN CONTROL SYSTEM
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1938, Serial No. 237,607
4 Claims. (Cl. 177—7)

1. A horn control system for automobiles comprising an electric horn, a current source, a series circuit comprising only the source, and a manually controlled, normally open switch, a pair of normally closed relay contacts and the horn and a circuit paralleling the relay contacts and the horn and comprising in series, a magnet coil



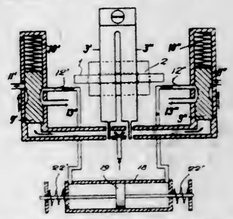
for opening the relay contacts and a circuit making device for making a connection between the source and the magnet coil.

2,269,071
HORN CONTROL SYSTEM
Joe White, Anderson, and John Willard Falconer, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 12, 1938, Serial No. 240,080
2 Claims. (Cl. 177—7)



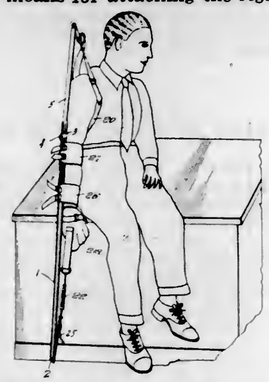
1. A horn control system for automobiles comprising an electric horn, a current source, a series circuit comprising only the current source, the horn, a manually controlled, normally open switch and a pair of normally closed relay contacts, and a circuit paralleling the relay contacts and the horn and including, in series, a magnet coil for opening the first-mentioned relay contacts, a switch opened automatically in response to the application of the vehicle brakes and a switch opened automatically in response to the attainment of a certain vehicle speed.

2,269,072
CONTROLLING DEVICE
Kurt Wilde, Berlin-Dahlem, and Georg Zink, Berlin-Pankow, Germany, assignors to Askania-Werke A. G., a corporation of Germany
Application December 19, 1938, Serial No. 246,718
In Germany December 12, 1936
7 Claims. (Cl. 121—38)



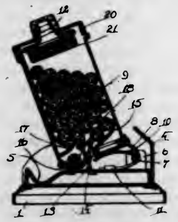
1. A pressure fluid relay comprising in combination a mechanical resonance relay having

bar throughout its length, a flexible flat plate equal in length to that of the rigid bar and slidably embraced by the longitudinal grooves in said rigid bar whereby either end of the flexible plate may be extended beyond the ends of the rigid bar, means for locking the flexible plate in any of its extended positions with respect to the rigid bar, said flexible plate adapted to be bent as a bow throughout the length of its extended portion with respect to the rigid bar, strap fastening means for attaching the rigid bar to a



limb, bending means for the flexible plate comprising straps removably secured at opposite ends of the splint on the same side thereof to bend the extended portion of the flexible plate, means formed on one end of said last mentioned straps for attaching the end of the limb to the end of the flexible plate, additional straps removably secured to the splint and adapted to attach to a limb on both sides of a fracture in such manner that the springiness of the bent portion of the flexible plate holds the fracture under tension.

2,269,066
CIGARETTE DISPENSER
Louis G. Steininger, Rochester, N. Y.
Application August 2, 1940, Serial No. 349,722
5 Claims. (Cl. 312—77)



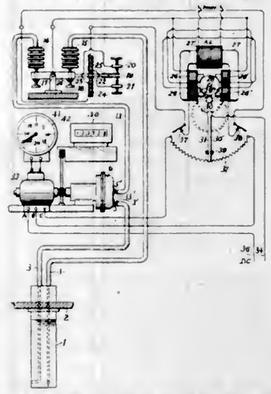
1. In a dispensing device for cigarettes, the combination of a base, a receptacle having a dispensing opening therein at the bottom thereof, supporting means providing limited bodily movement for said receptacle on said base, a fixed gate member supported by said base and projecting into the opening in said receptacle for movement in and out of said opening, a second gate member movable with said receptacle and arranged thereon for normal position adjacent said fixed gate member, and an ejector carried within said receptacle and movable therewith for movement into and away from the normal position of said second gate member relative to said first gate member.

2,269,067
RECORD KEEPING APPARATUS
William Dale Winders, Columbus, Ohio
Application July 20, 1939, Serial No. 285,562
15 Claims. (Cl. 282—5)



6. Record keeping apparatus comprising an elongated support box provided with a panel-like top and hinged ends, lock means carried by said ends to prevent unauthorized access to the interior of said box, a separator plate extending over said panel and spaced therefrom to provide a pocket to slidably receive a ledger card, said panel being provided adjacent each end with a slot, means in said box for revolubly supporting a roll of double impression copy paper, said paper being trained up through one of said slots over said separator plate and back into said box through the other slot, means for imparting controlled movement to said paper, a protector plate pivotally secured to said support for swinging movement about one longitudinal edge of said panel to a position normally overlying the copy paper on said separator plate, said protector plate being secured in its normal position by said box end locking means, and a cover pivoted adjacent the longitudinal edge of said panel opposite that near which said protector plate is pivoted, said cover being capable of swinging movement to permit the placing of an account sheet on said protector plate, said cover being formed with a transversely extending slot through which a limited portion of the account sheet may be viewed, said protector and separator plates being formed with similar slots in registration with the slot in said cover.

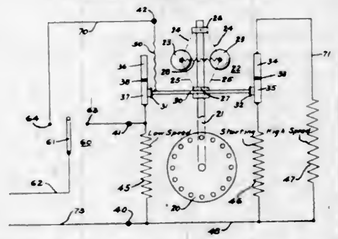
2,269,068
TRAVEL INDICATOR FOR SHIPS
Francis L. Corbin, Chatham, N. J., assignor to Pitometer Log Corporation, a corporation of New York
Application July 3, 1939, Serial No. 282,609
20 Claims. (Cl. 73—205)



1. In an indicator, the combination with pressure tubes, a fluid-pressure producing device connected with one tube, a driving motor for said pressure device, pressure responsive containers connected respectively with the intake of said device and with a static orifice of another of said

tubes, electric contacts controlled by said containers, electro-magnetic coils in series with two of said contacts and exerting forces to separate the contacts, the electric current through which is interrupted by the action of said coils when the opposing force is insufficient, and means including a speed controlling device for determining the speed of said driving motor through the action of said contacts, for the purposes set forth.

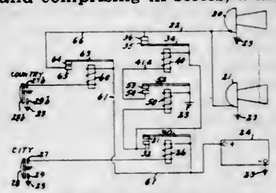
2,269,069
ELECTRIC MOTOR
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 19, 1938, Serial No. 246,566
7 Claims. (Cl. 172—279)



1. A single phase, split-phase, two speed electric motor having a rotor, a stator provided with a starting winding and first and second running windings, said starting winding being angularly displaced relative to said running windings and having a pole number equal to that of the first running winding, the second running winding having a different pole number, a switch having at least three stationary contacts and a movable bridging member normally engaging but two of said three contacts, means actuated by said motor for moving said member away from said two contacts into engagement with the third of said contacts when said rotor reaches a predetermined speed, said motor having only three external terminals, one end of each of said windings being connected together and to a first of said terminals, the other end of the first running winding being connected to a second of said terminals and to one of said two stationary contacts of the switch, the other end of the starting winding being connected to the other of said two stationary contacts of the switch, the other end of the second running winding being connected to the third contact of said switch, the bridging member being connected to the third of said terminals, means for controlling said motor comprising means for connecting one conductor of a single phase source to the said first terminal, and for selectively connecting the other conductor of the source to either one of the other two terminals to determne the runnng speed of the motors.

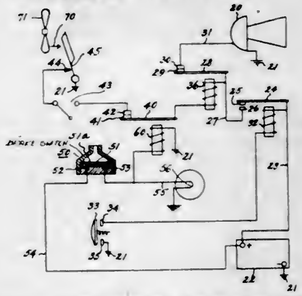
2,269,070
HORN CONTROL SYSTEM
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1938, Serial No. 237,607
4 Claims. (Cl. 177—7)

1. A horn control system for automobiles comprising an electric horn, a current source, a series circuit comprising only the source, and a manually controlled, normally open switch, a pair of normally closed relay contacts and the horn and a circuit paralleling the relay contacts and the horn and comprising in series, a magnet coil



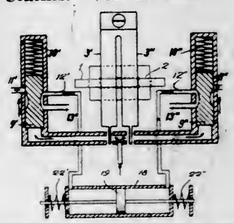
for opening the relay contacts and a circuit making device for making a connection between the source and the magnet coil.

2,269,071
HORN CONTROL SYSTEM
Joe White, Anderson, and John Willard Falconer, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 12, 1938, Serial No. 240,080
2 Claims. (Cl. 177—7)



1. A horn control system for automobiles comprising an electric horn, a current source, a series circuit comprising only the current source, the horn, a manually controlled, normally open switch and a pair of normally closed relay contacts, and a circuit paralleling the relay contacts and the horn and including, in series, a magnet coil for opening the first-mentioned relay contacts, a switch opened automatically in response to the application of the vehicle brakes and a switch opened automatically in response to the attainment of a certain vehicle speed.

2,269,072
CONTROLLING DEVICE
Kurt Wilde, Berlin-Dahlem, and Georg Zink, Berlin-Pankow, Germany, assignors to Askania-Werke A. G., a corporation of Germany
Application December 19, 1938, Serial No. 246,718
In Germany December 12, 1936
7 Claims. (Cl. 121—38)



1. A pressure fluid relay comprising in combination a mechanical resonance relay having

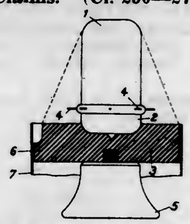
a resilient armature which is mechanically tuned to a controlling frequency and which is adapted to be set into vibration under the influence of said frequency; and means for directing a pressure fluid stream and a pressure fluid valve controlling the intensity of said pressure fluid stream, said valve being in direct operative connection with said armature for varying the intensity of said pressure fluid stream upon vibration of the armature.

2,269,073

ELECTRON TUBE

Erhard Zinke, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application March 29, 1940, Serial No. 326,609
In Germany March 18, 1939
4 Claims. (Cl. 250—27.5)



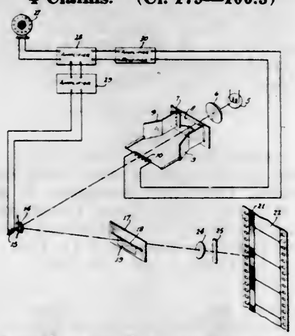
1. An electron tube having a bulb of a predetermined length, a disc-shaped member of insulation material attached to a portion of said bulb, and electrode leads projecting in radial directions from the wall of said bulb at a portion different from the portion of said bulb to which said member is attached, all of said leads terminating within a cone whose surface is tangential to the circumference of said member and the other end of said bulb.

2,269,074

SOUND RECORDING SYSTEM

Cecil N. Batsel, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1939, Serial No. 287,304
4 Claims. (Cl. 179—100.3)



1. A sound recording system comprising a source of light, means for forming the light from said source into a predetermined shaped beam, means for projecting a portion of said beam to a motion picture film, means for varyng the dimensions of said beam passing said last-mentioned means, and a spherical-cylindrical lens combination for destroying the image of said beam as impressed on said film only in a direction transversely of said film for producing a line of light of varying intensity.

2,269,075

DIRECTIVE ANTENNA SYSTEM

Rudolf Boerner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin, Germany, a company

Application September 24, 1940, Serial No. 358,065
In Germany October 12, 1939
5 Claims. (Cl. 250—33)



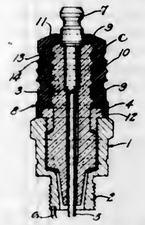
1. An antenna system comprising a rectilinear row of main radiators and two rectilinear rows of auxiliary radiators, the row of main radiators being positioned between the rows of auxiliary radiators, and the auxiliary radiators being associated in separate groups with respective ones of the main radiators, the radiators of such groups each being arranged on the circumference of circles having the associated main radiator as a centre point said auxiliary radiators being arranged out of alignment with a line through the associated main radiator normal to said rectilinear rows.

2,269,076

SPARK PLUG

Fred J. Boll, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application May 20, 1940, Serial No. 336,101
15 Claims. (Cl. 123—169)



1. A spark plug of the character described comprising a metallic shell, an insulating barrel fitted therein, cooperable electrodes combined with the barrel and shell, the outer portion of the barrel having a series of outwardly directed, parallel, circumferentially extending corrugations, and a protective sleeve of synthetic rubber having an internal diameter smaller than the external diameter of the outer portion of the barrel and stretched thereover so as to be in tight interfitting contact therewith, said sleeve being substantially coextensive with the exposed surface of said outer portion and said interfitting contact extending for the entire coextensive relationship.

2,269,077
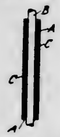
SEPARATING TABLE

Henry M. Carter and William W. Carter, Brundidge, Ala.

Application July 12, 1939, Serial No. 283,945
8 Claims. (Cl. 209—467)

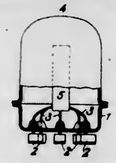
1. Apparatus of the character described com-

electron tubes, which comprises winding a coil of tungsten wire around an auxiliary wire, the turns of the coil so produced being in close adjacency to each other, then coating said coil with a pow-



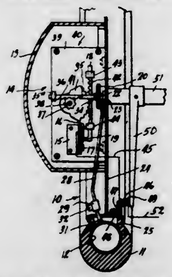
der consisting primarily of tungsten, hardening this powder by sintering, and finally removing said auxiliary wire by means of a chemical solvent.

2,269,082
ELECTRIC DISCHARGE VESSEL
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 29, 1940, Serial No. 326,604
In Germany April 1, 1939
1 Claim. (Cl. 250—27.5)



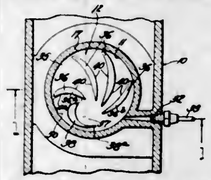
An electric discharge tube comprising a bulb, an electrode system therein, and rigid leads-in passing through said bulb, thickened metal portions forming contact pieces supported by said leads-in, whereby no contact pin base is needed, said contact pieces having two parallel contacting surfaces for contact with appropriate contact springs, said contact pieces being of a thickness between contacting surfaces at least double the diameter of the leads-in, whereby said contact pieces are of substantially greater dimensions than necessary for current carrying purposes.

2,269,083
TIRE INFLATION INDICATOR
Ralph H. Langsam, Brooklyn, Irving A. Weintraub, New York, and Louis F. Simon, Brooklyn, N. Y.
Application December 17, 1940, Serial No. 370,502
3 Claims. (Cl. 200—58)



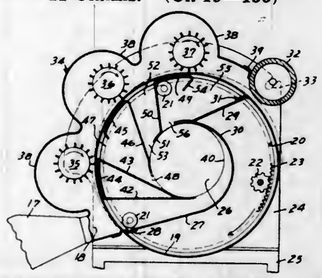
1. In a tire inflation indicator for an automotive vehicle having pneumatic tired wheels, pressure-responsive circuit control means mounted to rotate together with the wheel, said means comprising an expansible and contractible hollow diaphragm connected to a tire, a toothed bar carried by the diaphragm, a pinion in mesh with the toothed bar, a shaft upon which the pinion is secured, a substantially large gear segment secured to the said shaft, a slidable toothed rack in mesh with the gear segment, the said rack being electrically grounded to the vehicle, a pair of spaced apart electric contact plates electrically insulated from the vehicle, said rack comprising a contact point normally out of contact with the said plates but adapted to be selectively brought into contact with either one of said contact plates, whereby the existence of abnormal values of air pressure in the tire completes a circuit connection.

2,269,084
INTERNAL COMBUSTION ENGINE
John J. McCarthy, Malden, Mass.
Application May 3, 1941, Serial No. 391,729
4 Claims. (Cl. 123—32)



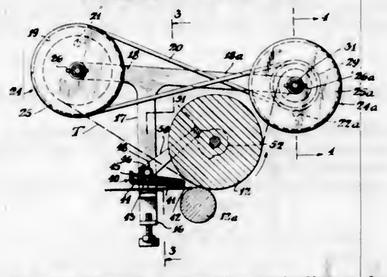
1. In an internal combustion engine, the combination of a cylinder having an air-intake port and a head member; a piston member forming a chamber in said cylinder, one of the opposite surfaces of said members being provided with an arcuate baffle near its circumference and a plurality of spaced ribs so tangentially disposed relative to a part of a cylindrical space whose remaining part is bounded by said baffle that most of the intake air in said chamber is during the inward stroke of the piston member redirected by said ribs into said space and forms a vortex therein; and an injector in the cylinder for forcing fuel into said vortex and against said baffle when the piston member is substantially in its inner position.

2,269,085
CLEANING CONDENSABLE FIBER
George C. Morgan, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application February 16, 1940, Serial No. 319,193
11 Claims. (Cl. 19—156)



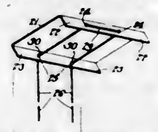
1. An improvement in the art of cleaning and collecting fibrous material, which consists in alternately forcibly depositing the fibrous material and accompanying foreign matter upon a single moving clean foraminous collecting surface, stripping it therefrom and forcibly redepositing it thereon a plurality of times to clean the fiber before discharging it.

2,269,086
ADDRESSING MACHINE
Fred B. Morris, Haverford, Pa., assignor to Benjamin D. Gilbert, New York, N. Y.
Application November 14, 1940, Serial No. 365,616
5 Claims. (Cl. 101—52)



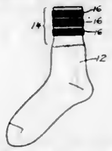
1. In an addressing machine including a duplicating cylinder and a presser roller cooperating therewith, a supply roll for a master tape and a tape storage roll, means for drawing paper from said supply roll, and driving means for said storage roll operated by said supply roll.

2,269,087
PLANT MARKER
Jacob R. Schramm, Philadelphia, Pa.
Application July 11, 1939, Serial No. 283,754
2 Claims. (Cl. 40—25)



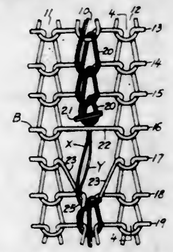
1. A plant marker comprising a name plate and a support therefor, the plate provided with oppositely disposed marginal flanges extending at right angles to the plane of the plate, said flanges provided with spaced apart wire receiving holes, the support comprising a wire bent to provide a relatively short straight middle part and terminating in parallel extensions at right angles to said middle part, the wire extensions at the ends of the said middle part passing through the holes in the flanged portions of the plate and secured in fixed relationship with respect to the plate.

2,269,088
HOSIERY
Arthur O. Hanisch, Altadena, Calif., and Egbert Fleer, Fond du Lac, Wis., assignors to Infants Socks, Inc., Reading, Pa., a corporation of Delaware
Application November 14, 1939, Serial No. 304,314
25 Claims. (Cl. 66—172)



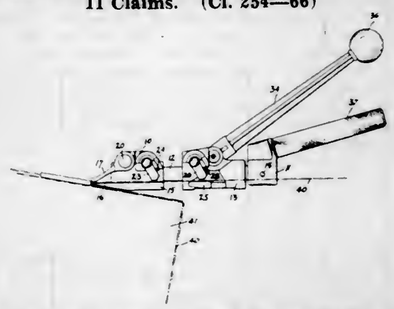
1. A knitted fabric comprising wales and courses of a body yarn, wrap yarns individual to the wales and selectively plated on the stitches and in one or more wales one or more free loops of wrap yarn extending outwardly respectively through one or more otherwise free loops of body yarn to ornament said fabric and to prevent the body yarn from raveling.

2,269,089
KNITTED FABRIC
Arthur O. Hanisch, Altadena, Calif., assignor to Infants Socks, Inc., Reading, Pa., a corporation of Delaware
Application March 26, 1941, Serial No. 385,243
10 Claims. (Cl. 66—172)



1. A stitch construction intermediate the ends of a wale of a knitted body yarn fabric having a plurality of walewise extending wrap yarns comprising in a course thereof a free loop of said wrap yarns extending outwardly through an otherwise free loop of said body yarn to ornament said fabric and to prevent the body yarn from raveling.

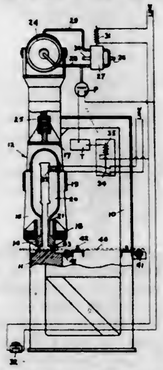
2,269,090
TENSIONING TOOL
Clare L. Hinsdale, Warren, Ohio, assignor to Brainard Steel Corporation, Warren, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 325,996
11 Claims. (Cl. 254—66)



5. A strap tensioning tool comprising in combination an elongated bar having a member with a laterally extending foot attached to one end thereof and a handle attached to the other end thereof, said foot extending outwardly beyond the end of the said bar, a strap gripping device carried by said member and adapted to cooperate with said foot to restrict movement of a strap lying on said foot in one direction, a toe pivotally mounted on said member and having a downwardly and outwardly extending end overlying the outward end of said foot, a frame slidably mounted on said bar intermediate its ends, a strap gripping device carried by said frame and being operative to prevent movement of said strap in one direction relative to said frame, and a lever interconnecting said bar and said frame whereby said frame may be moved back and

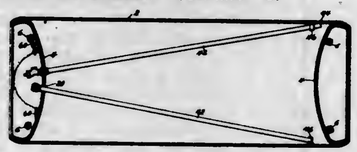
forth along said bar, said strap gripping devices being operative to restrain movement of the strap in one direction only whereby the strap is tensioned upon reciprocation of said frame.

2,269,091
WELDING MACHINE
Stanley Humphrey, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application September 14, 1939, Serial No. 294,924
1 Claim. (Cl. 219—4)



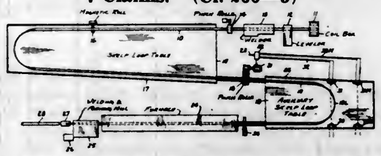
In apparatus of the character described the combination of a fixed frame, an elongated anvil of electrically conductive material fixed on said frame, a carrier slidably mounted on said frame above said anvil for movement toward and away from said anvil, a welding transformer carried by said carrier, a pair of spaced welding electrodes directly connected in close coupled relation with the secondary turns of said transformer, each of said electrodes overlying said anvil substantially throughout the extent thereof, power means to slidably move said carrier and consequently said electrodes toward and away from said anvil, said means being operative to apply welding pressure to work positioned between said electrodes and said anvil, and means to apply current to the primary turns of said transformer upon actuation of said means to apply welding pressure.

2,269,092
CONTAINER
Harry J. Leddy, Riverdale, N. Y., assignor to American Welding Company, New York, N. Y., a corporation of Delaware
Application May 21, 1938, Serial No. 209,352
3 Claims. (Cl. 220—3)



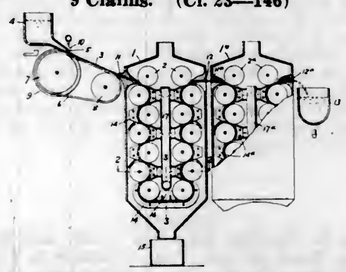
3. In a pressure container the combination of a side wall, a pair of end walls connected to the side wall to form a container, a threaded opening in one of the end walls, an adapter having threaded engagement with the opening, a substantially straight eduction pipe secured at one end of the adapter and extending along side the side wall at a substantially constant angle thereto, and retaining means secured to the side wall and engageable over a portion of the eduction pipe adjacent the free end thereof, said retaining means constituting a loop so arranged as to receive the free end of the pipe prior to the threaded engagement of the adapter with the opening and allowing rotation of the pipe in the loop during threading of the adapter in the end wall opening.

2,269,093
METHOD AND APPARATUS FOR HANDLING SKELP
Charles W. Wolfe, Salem, Ohio, assignor to The Salem Engineering Company, Salem, Ohio, a proprietorship
Application July 5, 1939, Serial No. 282,886
7 Claims. (Cl. 266—3)



1. Apparatus for continuously supplying skelp to a device working on said skelp comprising primary and secondary loop tables over which said skelp moves in looped paths before passing to said device, means to intermittently move the skelp onto said primary loop table, means to move the skelp from said primary loop table onto said secondary loop table, and means to control the position of the end of the loop in said skelp on said secondary loop table.

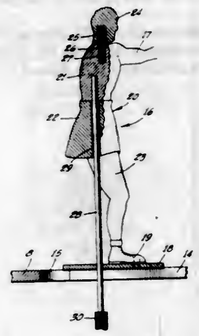
2,269,094
METHOD OF AND APPARATUS FOR MAKING LEAD OXIDE POWDER
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application September 29, 1938, Serial No. 232,352
9 Claims. (Cl. 23—146)



2. A method of making lead oxide powder which consists in deforming the structure at the surface of an endwise traveling, long integral lead ribbon by mechanically working the ribbon in the presence of air and at high temperature.

8. Apparatus for making a powdered oxide from an oxidizable material comprising, a stationary casing having inlet and outlet ports therein adapted to closely fit and restrict the escape of gas from around a long integral ribbon of said material passing through said ports, mechanical parts of said apparatus mounted in said casing and arranged to disturb the surface of said ribbon and to remove from the surface of said ribbon the powdered oxide so formed, and conduits for supplying an oxidizing atmosphere to said ribbon in said casing.

2,269,095
GAME
Thomas Arthur Davis, San Pedro, Calif., assignor of one-half to Arthur J. Davis, San Pedro, Calif.
Application March 9, 1940, Serial No. 323,191
2 Claims. (Cl. 46—142)



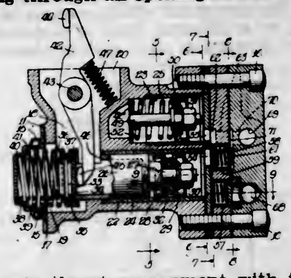
1. In a device of the character described, a pair of miniature statues of boxers, each comprising upper and lower trunk portions movable rotatably relative to one another, a floor, means forming a subchamber below said floor, a pair of plates slidable on said floor, said statues being mounted on said respective plates, and means operable within said subchamber to cause lateral movement of the lower trunk portions of said statues toward each other and the upper trunk portions of said statues relative to each other and relative to the lower trunk portions.

2,269,096
CEMENT POWDERS AND METHOD OF PRODUCING ACIDPROOF MORTARS THEREFROM
Karl Dietz, Kronberg in Taunus, and Franz Privinsky, Hofheim in Taunus, Germany, assignors, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 29, 1939, Serial No. 287,252. In Germany August 1, 1938
14 Claims. (Cl. 106—84)

1. A method of producing acid-proof mortars which consists in mixing cement powders consisting of pulverulent aromatic sulfochlorides and acid-proof filling substances with potassium silicate and water.

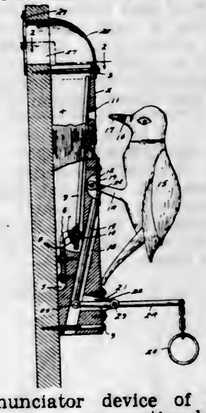
2,269,097
TRANSFER PUMP
Louis J. Garday, Waukesha, Wis., assignor, by mesne assignments, to The New York Trust Company
Application May 2, 1938, Serial No. 205,520
7 Claims. (Cl. 103—153)

1. In a transfer pump, a casing characterized by a chamber and a cylindrical pumping bore in connection with the chamber, a close fitting hollow cylindrical plunger slidably mounted in the bore, spring means in compressed engagement with one end of the plunger, and an operating lever which is pivotally mounted intermediate its ends in the chamber with one end of the lever projecting through an opening in one side of the



plunger into thrust engagement with the inside of the first mentioned end of the plunger.

2,269,098
MUSICAL ANNUNCIATOR
Leslie W. Garnett, Hopkinsville, Ky.
Application December 9, 1939, Serial No. 308,463
6 Claims. (Cl. 177—7)

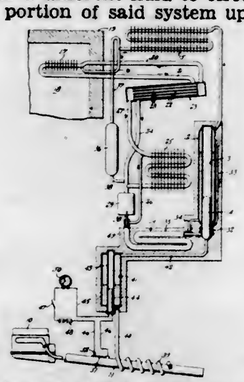


1. An annunciator device of the character stated, comprising a supporting body formed to provide a sound chamber and having a wall aperture, a sound producing bar supported in said chamber and extending across said aperture, a striker body having a portion forming a supporting leg pivotally secured to the first body and having an elongated striking element disposed in a position to pass through said aperture for contact with said bar upon oscillation of the striker body in one direction on the pivot for the supporting leg, a reciprocable member having an end pivotally attached to said supporting leg, and means carried by the first body and operatively connected with said reciprocable member to effect rectilinear movement of the reciprocable member and oscillation of the striker body for the projection of the striking element through the aperture into contact with the bar.

2,269,099
HEAT TRANSFER SYSTEM
Gunnar Grubb, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1936, Serial No. 107,129
In Germany October 26, 1935
33 Claims. (Cl. 62—5)

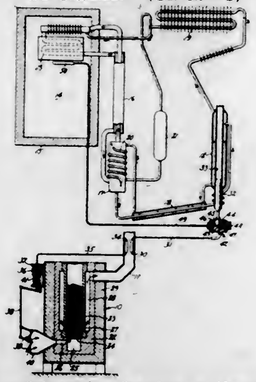
1. In a method of heating with a source of heat by the aid of a system including two portions adapted to contain the same or different fluids in which said fluid within one portion of

said system is normally caused to circulate to transmit heat from said source to a place of heating, that improvement which consists in causing said fluid or a different fluid to circulate within said other portion of said system upon increase



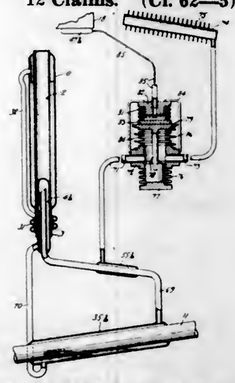
in temperature of said source of heat, such circulation of fluid in said other portion of said system being effective to transmit additional heat produced at said source due to said increase in temperature to a medium in thermal relation with said other portion of said system.

2,269,100
REFRIGERATION
Peter Köhler, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 15, 1936, Serial No. 115,907
In Germany January 7, 1936
24 Claims. (Cl. 62—5)



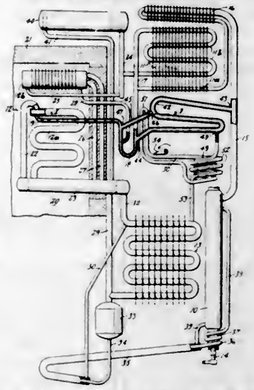
1. In a refrigerator having a thermally insulated storage space and absorption refrigeration apparatus including a cooling element arranged to effect cooling of said space and a generator, heating means removed from said generator and providing a region of high temperature, means comprising a vaporization-condensation member adapted to contain a fluid and having a vaporization portion in said region of high temperature and a condenser portion in thermal relation with said generator, means including a thermal element disposed in said region of high temperature and adjacent to the vaporization portion of said vaporization-condensation member for controlling said heating means to maintain said region substantially at a constant temperature, and structure responsive to temperature of said storage space and associated with said vaporization-condensation member for regulating the heat transmitted from said region of high temperature to maintain said storage space substantially at a desired temperature.

2,269,101
HEAT TRANSFER SYSTEM
Gunnar Grubb and Paul Strandberg, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 20, 1937, Serial No. 132,016
In Germany March 28, 1936
12 Claims. (Cl. 62—5)



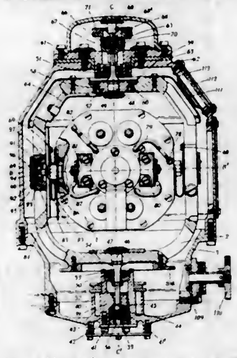
1. In a method of heating with a source of heat by the aid of a system including two portions in which fluid within one portion of said system is normally caused to circulate to transfer heat from said source to a place of heating, that improvement which consists in utilizing fluid in said one portion to heat fluid within said other portion and external to the path of flow of fluid in said one portion to regulate and vary the quantity of heat reaching the place of heating from said source.

2,269,102
REFRIGERATION
Erik Sigfrid Lynger, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 18, 1939, Serial No. 257,037
In Germany February 19, 1938
15 Claims. (Cl. 62—5)



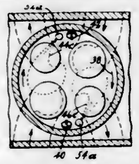
1. In absorption refrigeration apparatus having an evaporator and a condenser connected to said evaporator by means including a liquid trap seal, a flexible conduit connected so that it can be bent to drain liquid out of said trap and admit vapor directly into said evaporator for causing defrosting of the evaporator.

2,269,103
GYROSCOPIC INSTRUMENT
William George Harding, Whitton, and Robert Hayes Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a company of New York
Application June 16, 1938, Serial No. 213,988
In Great Britain June 17, 1937
2 Claims. (Cl. 308—184)



1. In a directional gyroscope, a vertical ring mounted for rotation about a vertical axis, a rotor bearing casing having trunnions thereon for pivoting the same in said ring, and a multipart ball bearing for pivotally supporting each trunnion in said vertical ring comprising a ball race, a retaining plug therefor having its outer surface tapered outwardly, a socket having a complementary tapered inner surface surrounding said plug, a rubber layer between said surfaces, and a flanged nut threaded in said plug and clamping said plug and socket together, with said rubber in between, the whole being threaded in said vertical ring.

2,269,104
INTERNAL COMBUSTION ENGINE
Folke Gustaf Hjalmar Hedlund, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Chester A. Adee, and George Carlson, trustees
Application May 11, 1939, Serial No. 273,134
In Sweden May 13, 1938
5 Claims. (Cl. 123—32)

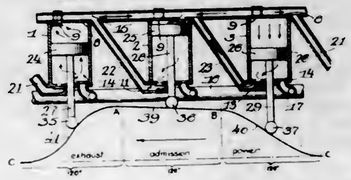


1. In an internal combustion engine of the injection type, a cylinder and piston providing a combustion chamber, means for admitting air to said chamber, a plurality of exhaust valves, injection means providing a plurality of jet orifices for projecting a plurality of ignition jets of finely divided fuel into the chamber, and a plurality of ignition means, said exhaust valves, said orifices and said ignition means being arranged to provide a plurality of like groups of elements for injection of fuel from the ignition jet orifices into the chamber so that the jet from each ignition jet orifice is subjected to substantially the same conditions during the period preceding ignition and is further projected into the chamber so as to pass the face of an exhaust valve prior to ignition.

2,269,105
CARBOXYLIC ACID NITRILES
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, and Heinz-Joachim Engelbrecht, Dessau, Germany, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin - Charlottenburg, Germany, a corporation of Germany
No Drawing. Application March 5, 1940, Serial No. 322,342. In Germany November 1, 1938
5 Claims. (Cl. 260—464)

1. The process of producing a nitrile of a carboxylic acid comprising reacting a carboxylic acid amide with the chloro-formiate of trichloromethyl alcohol.

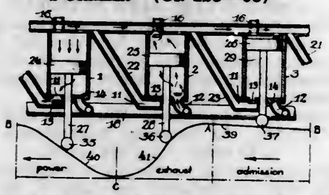
2,269,106
INTERNAL COMBUSTION MOTOR
Anton R. Hoffmann, Chicago, Ill.
Application March 23, 1938, Serial No. 197,663
6 Claims. (Cl. 123—58)



5. In an internal combustion engine of the character disclosed and which has a series of cylinders with pistons and wherein each cylinder has cam operated admission and exhaust valves and wherein each piston is operatively connected to a shaft with means for converting reciprocatory movements of the pistons to rotary action of the shaft; the combination therewith of said admission and exhaust valves being connected to the head end of the cylinders to control the fuel at the head side of the pistons, fluid inlet and outlet valves connected to the other end of the cylinders for controlling fluid at the other side of the pistons, a fluid transfer duct connected to the outlet valve of a cylinder and to the admission valve of the next cylinder of the series for transfer of fluid under pressure, cam means operatively connected to the shaft for controlling the pistons and comprising a cam portion with a small slope for controlling the movement of the pistons through a minor portion of the in-stroke thereof at a given slow rate of stroke speed for admission of fluid under pressure at the head side of the pistons, another cam portion with a steeper slope for controlling the further movement of the pistons through a major and remaining portion of the in-stroke thereof at a greater rate of stroke speed for power operation under the force of the ignited fuel on the head side of the piston and to compress the fluid admitted at the other side of the pistons, and a still further cam portion with a steep slope for controlling the movement of the pistons through the whole extent of the out-stroke thereof, said exhaust valves acting for discharging spent gases during said out-stroke of the pistons, and said

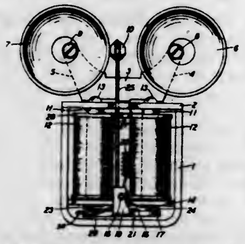
admission valves acting for admitting fluid under pressure during said minor portion of said instroke of the pistons.

2,269,107
METHOD OF PRODUCING POWER WITH INTERNAL COMBUSTION MOTORS
Anton R. Hoffmann, Chicago, Ill.
Original application March 23, 1938, Serial No. 197,663. Divided and this application October 18, 1940, Serial No. 361,750
4 Claims. (Cl. 123—68)



4. A method of producing power with an internal combustion motor of the two-stroke cycle type, comprising the steps of admitting fluid at given pressure for a fraction of the instroke and during about one-third of the cycle, expanding for the remainder of the instroke and during about another third of the cycle, and exhausting for the whole outstroke and during about the remaining third of the cycle.

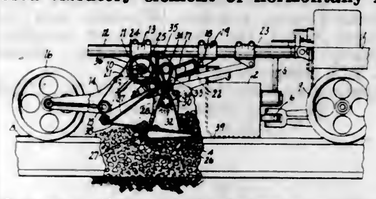
2,269,108
TELEPHONE RINGER
James D. Hubbell, East Orange, N. J., and Charles F. Wiebusch, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 14, 1939, Serial No. 261,698
6 Claims. (Cl. 177—7)



1. In an electromagnetically operated device, a core, an armature spaced from said core, means for energizing said device to cause said armature to be actuated and to approach said core, a permanent magnet so disposed with respect to said armature and said core as to produce a flux which tends to hold said armature and core together with a force of measurable magnitude when said device is deenergized, a biasing spring for restoring said armature to normal when said device is deenergized, and means independent of said biasing spring for applying to said armature a force equal to and opposite in effect to said force of measurable magnitude.

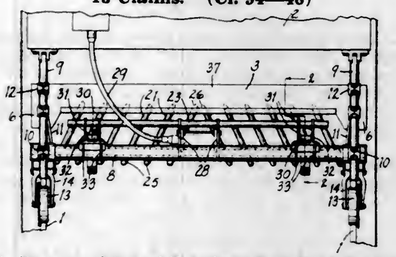
2,269,109
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application September 1, 1939, Serial No. 293,048
15 Claims. (Cl. 94—46)

1. In a machine of the class described, the combination with a main carriage, of a screed advanced with said main carriage and having a face plate adapted to support a substantial amount of material to be treated and provided with forwardly projecting inwardly converging wing portions at the ends thereof, an auxiliary carriage provided with a transverse frame member, means for vertically adjusting said transverse frame member, a submersible horizontally disposed vibratory element of horizontally flat-



tened cross section and of substantial width and having rearwardly beveled ends, said vibratory element being disposed to extend between said wings, means for supporting said vibratory element from said transverse frame member permitting vibratory movement thereof, motor supporting brackets disposed centrally of said element, and an unbalanced rotor mounted on said brackets.

2,269,110
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application September 1, 1939, Serial No. 293,049
13 Claims. (Cl. 94—48)

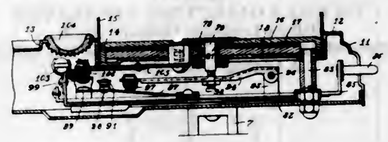


9. In a machine of the class described, the combination of a submersible vibratory element comprising a plurality of elongated vibratory members disposed in spaced relation to each other for generally endwise advancement in a horizontal plane, transverse connecting means to which said vibratory members are rigidly secured, and motor actuated means connected to said vibratory element for imparting high frequency vibrations to said vibratory members comprising an unbalanced rotor mounted on said transverse connecting means with its axis in approximately parallel relation to the length of said vibratory members, said vibratory members being spaced to permit the passage therebetween of material being treated, said spacing being substantial so as to accommodate a substantial mass of material between the members, but being sufficiently close to permit the vibratory impulses imparted to the material by the vibratory members to merge.

2,269,111
COFFEE MAKER
Ivar Jepson and George Browning, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 5, 1937, Serial No. 129,163
Renewed April 4, 1940
32 Claims. (Cl. 219—43)

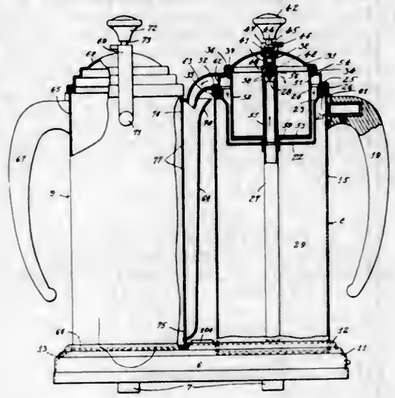
12. The combination in a coffee maker of a

making pot adapted to hold water and discharge the same upon the development of steam pressure thereabove to prepare a coffee liquor, a serving pot positioned adjacent thereto for the reception of said liquor, a heating element for said making pot, means for heating the serving pot by conduction from said heating element, switch means for controlling said heating element, means responsive to changes in pressure within



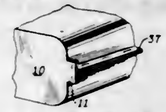
the making pot for actuating said switch to maintain a predetermined pressure therein, thermostat means rendered operative in response to the discharge of water from said making pot for actuating said switch for maintaining a predetermined temperature adjacent said element to heat said serving pot, and signal means operated by said thermostat means for indicating when the heating element is under the control of said thermostat means.

2,269,112
COFFEE MAKER
Ivar Jepson and George Browning, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Original application March 5, 1937, Serial No. 129,163. Divided and this application June 30, 1939, Serial No. 282,014
19 Claims. (Cl. 53—3)



1. The combination in a coffee maker of a base, a serving pot removably seated on the base and having a top opening and a handle for lifting the pot in serving the contents, a making pot fixed to said base comprising a water chamber, a coffee container, and means for transmitting water from the water chamber to the coffee container, the serving pot having a pouring spout extending substantially from the bottom to the top and having an opening into the spout near the bottom and another near the top, and a laterally disposed discharge tube at the top of said making pot communicating with said coffee container to discharge coffee into the top of the pouring spout.

2,269,113
GLOVE COMPARTMENT AND BLANK FOR FORMING SAME
Gerhard E. Kasch, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application May 31, 1938, Serial No. 211,096
1 Claim. (Cl. 229—32)



A compartment structure of the character described formed of a unitary blank having a bottom wall portion and opposed complementary side wall portions, each side wall portion having end sections projecting from opposite ends, said side wall portions being folded with respect to the bottom wall portion forming side walls, the projecting end sections of the opposed side wall portions being folded with respect to the side wall portions and across the ends of the bottom wall portion forming end walls, the two end sections which form each end wall having complementary marginal flaps at their meeting edges bent outwardly substantially normal to the end wall and into juxtaposition and secured together, said bottom wall portion having end projections disposed in the same plane and underneath the joint between the juxtaposed marginal flaps of the end sections, said marginal flaps having continuations forming complementary tabs bent in opposite directions toward the side walls and overlapping the adjacent end section of the bottom wall and secured thereto.

2,269,114
CABLE TERMINAL
Lincoln M. Keefe, Springfield, Mass.
Application December 11, 1940, Serial No. 369,569
5 Claims. (Cl. 173—324)

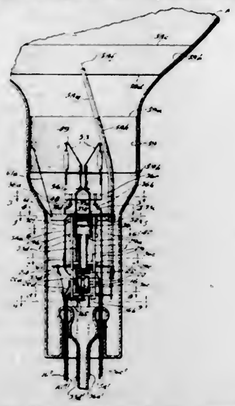


5. In a terminal for cables formed of a plurality of insulated conductors, a sheet of insulation having holes formed therein along opposite edges thereof, said holes being adapted to be brought into alignment when said sheet is folded with said edges in registry, a plurality of rivets positioned in the holes along one of said edges, the conductors of said cable being connected to said rivets and said sheet being folded to bring the holes along the other edge thereof onto the shanks of said rivets, whereby the latter may be set to secure said sheet together in folded relation with said conductors and said connections therebetween.

2,269,115
CATHODE-RAY TUBE
Stanley J. Koch, Newark, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application November 12, 1940, Serial No. 365,216
7 Claims. (Cl. 250—141)

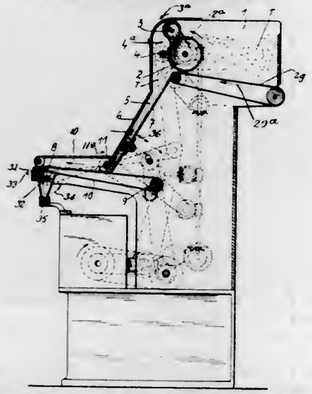
1. In a cathode-ray tube, a tube having a screen at the end wall thereof, said tube at the end thereof opposite said screen being provided with a press, a gun supported by said press and disposed in said tube for developing a ray of electrons directed at and focused on said screen,

deflecting means for said ray of electrons in said tube, an electrode extending along said tube and beyond said deflecting means in the direction toward said screen, a second electrode disposed between said first-named electrode and said screen for minimizing defocusing of the ray-spot on said screen and for minimizing reduction of deflection sensitivity, said second-named electrode being adapted to operate at a potential



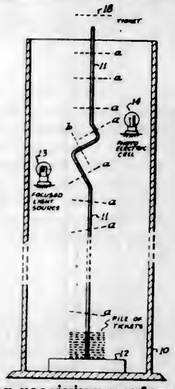
higher than the potential of operation of said first-named electrode, and connection means comprising a conductor extending through an elongated insulator having conducting material on the outside thereof, said conductor engaging said second-named electrode and extending along said tube within the same and through said press to provide exteriorly of said tube at said press a terminal for application of potential to said second-named electrode.

2,269,116
DEVICE FOR THE FORMATION OF TOBACCO LAYERS
Ernst Curt Lehmann, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application February 25, 1939, Serial No. 258,372
In Germany March 4, 1938
5 Claims. (Cl. 131—109)



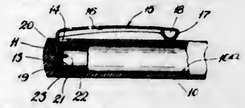
1. In a device for the formation of a tobacco layer having a substantially vertical tobacco layer shaft for receiving at its upper end the tobacco and for discharging it at its lower end, said shaft having front, rear and side walls, the combination therewith of a plurality of channels in the side walls of the shaft, and valves for closing said channels preventing air from passing into the channels from the exterior of the shaft to the interior thereof, said channels being inclined upwardly from the interior to the exterior of the shaft.

2,269,117
TICKET COLLECTING APPARATUS
Milton London, Detroit, Mich.
Application August 11, 1939, Serial No. 289,611
1 Claim. (Cl. 235—92)



Apparatus for receiving perforated paper tickets, without substantially mutilating them, in the order to which they are delivered to the apparatus, comprising a long vertically disposed spindle having a free upper end and along which perforated tickets may slide downwardly to pile up at the lower end of the spindle, and means for counting the tickets as they slide down the spindle, including a photoelectric cell arranged to be affected by the sliding of the tickets along the spindle, the spindle being vertically arranged but having portions arranged out of vertical to slow up the descent of the tickets, the cell being so related to these portions that only while a ticket is sliding along these portions will it affect the cell.

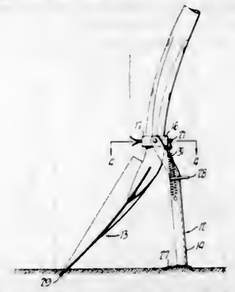
2,269,118
FOUNTAIN PEN CLIP
Clinton E. Marshall, Bronx, N. Y.
Application May 2, 1941, Serial No. 391,445
6 Claims. (Cl. 24—11)



1. A clip for fountain pen caps, said clip comprising an elongated strip of material one end of which is fashioned to form an enlarged knob portion, the other end having an angularly extending mounting plate, said plate having a prong member extending in the direction of the first named end of said strip and arranged inwardly of the free end of said plate.

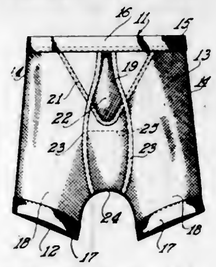
2,269,119
SHOVEL ATTACHMENT
Frederick J. Mason, Oakland, Calif.
Application March 2, 1940, Serial No. 321,943
6 Claims. (Cl. 254—131.5)

1. The combination with a shovel of the character described, of an arm positioned at the rear of the shovel blade and pivoted to the shovel adjacent the top of said blade for movement about a horizontal axis through the handle and



being of such length that the free end thereof may engage the ground simultaneously with the shovel bottom when the shovel is in upright position, said arm having a foot rest thereon substantially adjacent its pivotal connection.

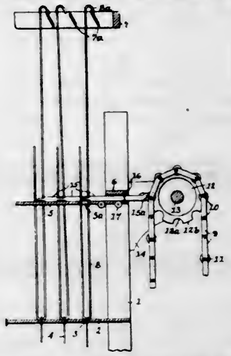
2,269,120
UNDERGARMENT
William P. McCarthy, Chicago, Ill., assignor to Herman M. McDonald, Evanston, Ill.
Application June 21, 1939, Serial No. 280,297
7 Claims. (Cl. 2—234)



1. An undergarment adapted to sheathe the lower part of a human body, comprising a crotch portion, a front section having an aperture formed therein above said crotch portion, an insert similar in shape along its side edges and slightly larger than said aperture overlying the latter and secured along its side edges and the sides of said aperture to said front section and unattached thereto along one edge to provide a substantially horizontal fly opening therebetween, and a reinforcing strap-like member secured intermediate its ends to the edge of the outer portion of said fly opening, the ends of said member extending upwardly and outwardly across said front section and being secured thereto.

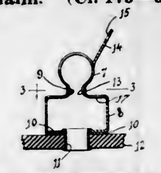
2,269,121
SHEDDING MECHANISM
Xerus Migliora, Fairview, N. J.
Application July 25, 1941, Serial No. 404,006
5 Claims. (Cl. 139—59)

1. In a shedding mechanism for looms, the combination of a frame including a bottom board having harness-cord openings and also including an upper guiding wall, harness-cord lifters seated on the bottom board and penetrating and movable up and down and guided by said wall, an up-and-down-movable elevating means for the lifters, a pattern means arranged laterally of the frame and confined to move in a definite up-and-down extending path, and including cam portions arranged in up-and-down extending rows opposed to the respective lifters, each lifter comprising two upright parts one of which is shiftable relatively to the other toward or from the pattern means and normally urged in one direction and on shifting in one direction being arranged to catch on said elevating means, and



means to transmit shifting movement from the pattern means to the shiftable parts of the lifters contrary to the direction in which they are normally urged comprising plungers engaged with the respective shiftable parts of the lifters and having portions thereof in the paths of the respective rows of cam portions, said wall confining said other part of each lifter against shifting with said shiftable part.

2,269,122
CONTACT
Douglas T. Mitchell, Westchester County, N. Y.
Application June 1, 1940, Serial No. 338,307
1 Claim. (Cl. 173—328)

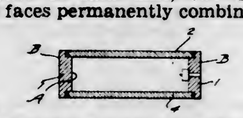


In combination, an insulated member and a contact formed of a single member providing a circular loop and a rectangular loop, both loops being spaced by a common gap, the rectangular loop extending laterally to each side of the circular loop to provide shoulders running substantially at right angles to the plane of the contact, said rectangular loop having an opening opposite the gap, an eyelet securing the contact through the opening of the insulated member, the sides of the gap having recesses disposed cooperatively to the opening in the rectangular loop for permitting a member passing through the eyelet to engage the recesses in the gap of the loops.

2,269,123
TRANSLUCENT INSULATING BUILDING BLOCK
Logan Willard Mulford, Kew Gardens, N. Y.
Application March 21, 1938, Serial No. 197,191
1 Claim. (Cl. 88—60)

A building block formed as a unit having an integral narrow surrounding glass rim as a load

carrying part of said unit, two spaced light penetrable faces permanently combined with said



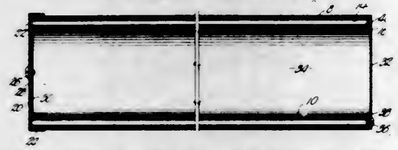
rim and therewith forming a hollow insulating block, and a light reflecting surface coating on the outside of said rim.

2,269,124

CATHETER HOLDER

Orville T. Ryan, Kansas City, Kans.

Application May 15, 1939, Serial No. 273,674
1 Claim. (Cl. 206—1)



A catheter holder of the character described comprising a sheet metal, elongated, hollow cylindrical body; a second sheet metal elongated, hollow, cylindrical body, of smaller diameter than the first, within the outer body and forming therewith an annular space between the outer and said inner body; a plurality of tubes within the said annular space secured to both the cylindrical bodies to create a unitary structure, the ends of said tubes at one end of the structure being spaced inwardly from the ends of the cylindrical bodies; a ring-shaped plate between the cylinders and against the ends of all the tubes to close the same; a disc-shaped end wall at the other end of the structure having an opening formed therein in register with each tube respectively and provided with a portion bridging the inner cylinder to form a support on the axis of the structure, said tubes being concentric with said axis; and a cap, provided with an opening through the marginal edge thereof, rotatably secured to the wall at the said axis for movement thereabout to selectively open the proximal ends of the tubes one at a time, said cap having an annular flange integral with the edge thereof circumscribing a portion of the outer cylinder.

2,269,125

METHOD OF MAKING LAMINATED FABRICS

Charles C. Quenelle and Cornelius F. Turner, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1940, Serial No. 320,422
7 Claims. (Cl. 154—2)

1. In the process of laminating a plurality of fabric plies by means of an intermediate film of an interpolyamide, the improvement which comprises introducing 4 to 15% water into the interpolyamide film and thereafter applying heat and pressure, said interpolyamide being one which yields upon hydrolysis with hydrochloric acid a diamine hydrochloride and a dibasic carboxylic acid.

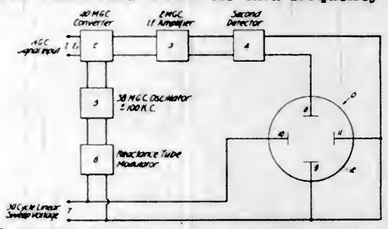
2,269,126

FREQUENCY MODULATION MONITORING

Roger J. Pieracci, Cedar Rapids, Iowa

Application January 8, 1941, Serial No. 373,552
8 Claims. (Cl. 179—171.5)

1. The method of visually indicating the several frequency components of a frequency modulated wave which comprises the steps of generating a second wave having a mid-frequency differing from that of the frequency modulated wave by a given intermediate frequency, automatically varying the frequency of the second wave above and below its mid-frequency in a



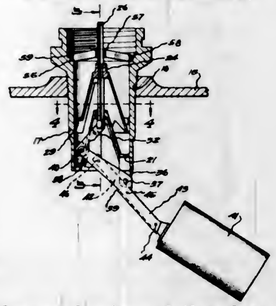
substantially linear manner, beating the second wave of varying frequency with the frequency modulated wave to produce a series of beat frequencies spaced apart in accordance with the frequency components of the frequency modulated wave and energizing a visual indicating device by energy derived from the said series of beat frequencies.

2,269,127

VALVE

Francis B. Riley, Detroit, Mich.

Application March 17, 1939, Serial No. 262,445
3 Claims. (Cl. 137—104)



3. A valve mechanism of the class described, comprising: a conduit adapted for mounting in a liquid receiving vessel; a valve seat mounted on said conduit; a valve moveable relatively to said seat and adapted, upon engagement therewith, for closing passage to said conduit; a toggle mechanism pivotally mounted at one end on said conduit and connected at its opposite end to said valve and normally broken away from center, the movement of said toggle toward center effecting an opening of said valve; a float; means carried by said float for, upon raising and lowering of said float, actuating said toggle mechanism for closing and opening said valve; and means associated with and engageable by said toggle mechanism and releasable only upon the raising of said float for, upon movement of said valve to open position, securing said toggle against further movement.

2,269,128

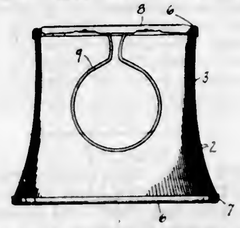
LAMP SHADE

David J. Ross, Benton Harbor, Mich.

Application December 13, 1939, Serial No. 309,077
5 Claims. (Cl. 240—108)

1. A lamp shade comprising a pair of grooved

rings connected by and clamping the edges of pleated sheet cellulose acetate having its pleats extending between said rings, the pleats in the material at the rings being expanded beyond the normal position and size they would assume if



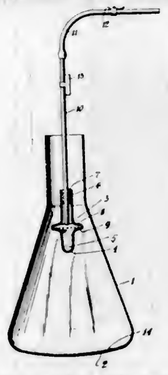
unrestricted to put the material under tension tending to close up the pleats and the material between the rings being bowed inwardly by tension in the pleated material tending to close up the pleats.

2,269,129

APPLICATION OF FLUORESCENT MATERIAL TO ELECTRON TUBES

Joseph F. Rutledge, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application July 5, 1941, Serial No. 401,097
4 Claims. (Cl. 250—81)



1. In a device of the character described, a container for powdered fluorescent material, means for distributing a cloud of said material from said container, and means to prevent said material from collecting in a layer on the outside of said container, said last named means including a vibrator for said container.

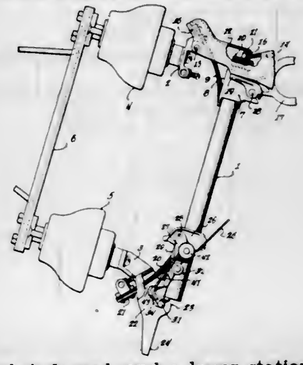
2,269,130

FUSE

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application December 4, 1939, Serial No. 307,350
16 Claims. (Cl. 200—114)

9. A drop-out fuse construction comprising a stationary portion, an upper stationary contact carried by said stationary portion, a fuse tube having an upper contact, latch means carried by said stationary portion and detachably engaging the upper end of said fuse tube and holding the upper contact of said fuse tube in engagement with said upper stationary contact, a normally substantially vertical lever pivotally supported adjacent its lower end from said stationary portion and pivoted adjacent its upper end to said fuse tube for guiding the lower end of said fuse tube downwardly and outwardly to detach said fuse tube from said latch means, a fuse link extending from the upper contact of said fuse tube to said lever, said fuse link being attached to said lever and normally restraining said lever against motion, a fuse link flip-out device carried by said lever and over which said



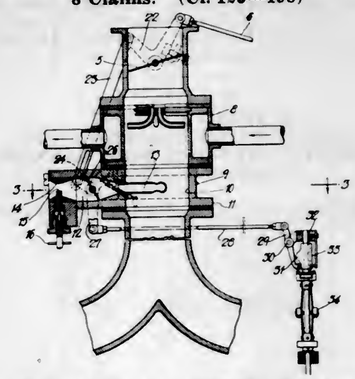
fuse link is looped, and a lower stationary contact carried by said stationary portion and yieldingly engaging said lever at a point above said fuse link flip-out device, said upper and lower stationary contacts maintaining engagement with the upper contact of said fuse tube and with said lever respectively while said fuse link flip-out device operates, whereby pitting of either contact is avoided.

2,269,131

DETONATION SUPPRESSOR FOR INTERNAL COMBUSTION ENGINES

Alfred Schwarz, Ridgewood, N. J., assignor to Automotive Economy Corporation, Jersey City, N. J., a corporation of Delaware

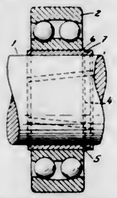
Application March 4, 1939, Serial No. 259,803
8 Claims. (Cl. 123—198)



1. The method of suppressing detonation in an internal combustion engine subject to normal periods of detonation in the use of a primary fuel which comprises, supplying to the intake of said engine in conjunction with an atomized primary fuel mixture a relatively small amount of a water miscible combustible carbohydrate admixed with a relatively large amount of water during said normal detonation periods and controlling the amount of said water-carbohydrate mixture so

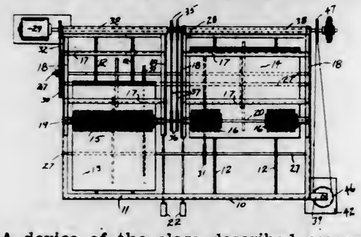
supplied in proportion to the primary fuel consumed during said periods in accordance with the octane values respectively of said water-carbohydrate mixture and said primary fuel mixture so as to provide a combined total fuel value commensurate with the required octane and fuel requirements of said engine for its maximum detonation-free performance.

2,269,132
CLAMPING SLEEVE
William Oskar Nicolaus Söderqvist, Lidkoping, Sweden
Application June 3, 1939, Serial No. 277,172
In Sweden June 4, 1938
1 Claim. (Cl. 287—52)



In a device for locking telescoping inner and outer elements together, two groups of arcuate wedge-shaped members disposed between said elements, the members of one group forming wedge-shaped spaces therebetween within which are located the wedge-shaped members of the other group, outwardly inclined bevel surfaces formed on the axially extending edges of the members of the first mentioned group and inwardly inclined bevel surfaces on the axially extending edges of the second mentioned group engaging said outwardly facing surfaces, the members of the groups being located in such uniformly distributed relation to each other around said inner element that when the members of the respective groups are displaced in axial direction with respect to each other, the members of said second group are pressed outwardly against said outer element and the members of said first group are pressed inwardly against said inner element through the combined action of the wedge taper and the bevel surfaces to lock the outer element in concentric position on the inner element.

2,269,133
BUFFING MACHINE
Martin H. Stevens, Youngstown, Ohio
Application April 9, 1940, Serial No. 328,660
2 Claims. (Cl. 15—102)

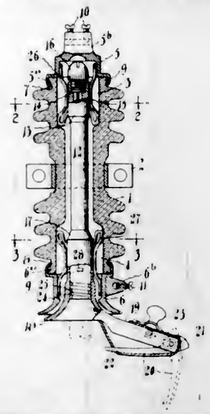


1. A device of the class described comprising a frame, guide members positioned across the top of the said frame, movable tables positioned on the said guide members, rocker arms positioned in the said frame adapted to impart reciprocating movement to the said tables, a plurality of shafts positioned in the said frame, belts interconnecting the said shafts by means of sheaves positioned thereon so as to impart movement to the said rocker arms through cranks carried on one of the said shafts, a drive shaft positioned adjacent the top of the said frame and adapted to drive the said shafts, together with buffer assemblies positioned on secondary frame means above the said reciprocating tables, the said drive shaft adapted to drive the said buffer assemblies and means for moving the said buffer assemblies into and out of relation with work positioned on the said tables substantially as described.

2,269,134
DESALTING AND DEMULSIFYING COMPOUND FOR PETROLEUM EMULSIONS
Paul T. Tarnoski, Oak Park, and Elwood H. Uhlmann, Evanston, Ill.
No Drawing. Application June 2, 1939, Serial No. 277,030
5 Claims. (Cl. 252—335)

3. A de-salting and a demulsifying compound for treating crude petroleum consisting of a ketone body and a sulfonated body, both mutually soluble in water and petroleum.

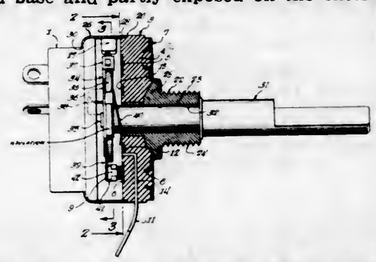
2,269,135
ELECTRIC CUTOUT
James R. Tate, Toronto, Ontario, Canada
Application June 12, 1939, Serial No. 278,629
In Canada June 18, 1938
4 Claims. (Cl. 200—117)



1. An electrical cut-out comprising a tubular body of insulating material, having a contact adjacent each end thereof; a fuse cartridge slidable longitudinally within said body, said cartridge having a contact adjacent each end engaging the corresponding contact on the body, the lower contact on the cartridge having a tubular extension, said extension being internally threaded for engagement by a cartridge removing tool, the threads being cut away at one side to form a vent groove for the escape of gases from the interior of the cartridge, when said tool is in position.

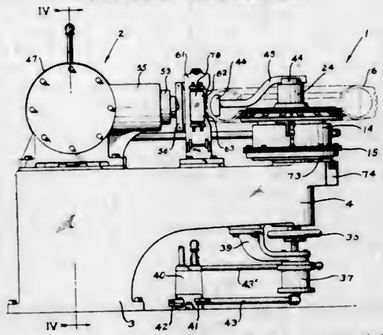
2,269,136
RESISTANCE DEVICE AND PROCESS FOR MAKING SAME
Bernhard F. Tellkamp, Whitefish Bay, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1939, Serial No. 259,216
16 Claims. (Cl. 201—63)

1. In a resistance device, a molded base, a molded resistor element secured at its lower side to said base, and a one-piece continuous metallic terminal having a portion partly embedded in said base and partly exposed on the exterior of



said base and a second portion of said continuous metallic terminal at an angle with said first portion embedded in said base with the end thereof in electrical contact with the lower side of said resistor element.

2,269,137
APPARATUS FOR TREATING TIRES
George F. Wikle, Ann Arbor, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1940, Serial No. 329,252
8 Claims. (Cl. 164—48)



8. A tire tread treating device comprising a tire support, means for rotating the support step by step, a slitting blade, and means for positively reciprocating the blade in a predetermined path radial to the tire and to a predetermined position in said path to slit the tire to a predetermined depth, said rotating means and reciprocating means being synchronized to move the blade into contact with the tire during the period that the tire is at rest between successive rotating steps.

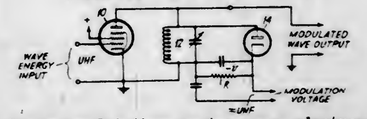
2,269,138
ANTIFREEZE COMPOSITION
Lionel Bernard, Camden, N. J.
No Drawing. Application February 26, 1940, Serial No. 320,975
2 Claims. (Cl. 252—72)

2. An antifreeze composition of matter comprising an aqueous solution of magnesium chloride and a phosphate of ammonia, the quantity of magnesium chloride present being in excess of that with which the quantity of ammonium phosphate present would normally react to yield precipitated magnesium phosphate, and small proportions of an inhibitor mixture comprising *Acacia catechu, Ourouparia gambir,* Chondrus and *Tsuga canadensis.*

2,269,139
PROCESS FOR PRODUCING IMPROVED TITANIUM PIGMENTS
James E. Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1938, Serial No. 204,566
4 Claims. (Cl. 23—202)

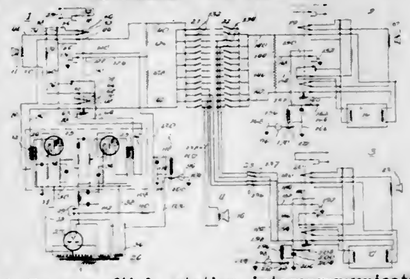
1. In a process for preparing titanium oxide of pigment quality from titaniferous materials, the steps which comprise sulfating the titanium content by treatment with between about 2 moles to about 4 moles of concentrated sulfuric acid, said acid having a concentration of at least 90%, dissolving the resulting titanium sulfate in water, crystallizing titanyl sulfate therefrom at an elevated temperature, gradually heating the titanyl sulfate to calcination temperatures, said gradual heating period of the titanyl sulfate covering at least 6 hours, and thereafter maintaining calcination temperatures for between about 1 and about 2 hours to produce anhydrous titanium oxide.

2,269,140
MODULATION CIRCUIT ORGANIZATION
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Zehlendorf, Osteweg, Berlin, Germany, a corporation of Germany
Application May 22, 1940, Serial No. 336,546
In Germany March 14, 1939
2 Claims. (Cl. 179—171.5)



1. In a modulation system, an electron discharge tube of the screen grid type having input electrodes excited by radio frequency energy and having output electrodes, a radio frequency circuit parallel tuned to the frequency of said wave energy coupled to said output electrodes, a rectifier and a resistance in series coupled in shunt to said radio frequency circuit, a source of modulating potentials, and means coupling said source of modulating potentials in shunt to said resistance.

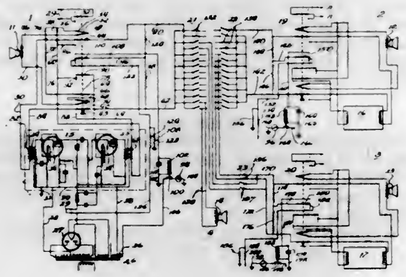
2,269,141
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application June 28, 1940, Serial No. 342,835
43 Claims. (Cl. 179—38)



1. In a multiple station intercommunicating system, the combination including, signal means at each station, current responsive means nor-

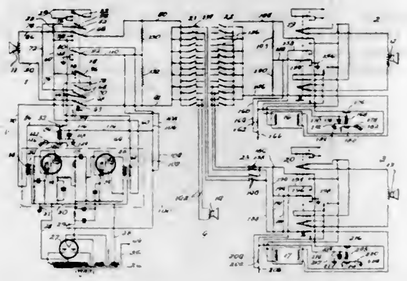
mally occupying a predetermined position controlling the signal means at each station, a station selector switch at each station, and means operable by the station selector switch at each station for changing the position of the current responsive means thereat upon selection of a station already in communication with another station to indicate whether or not the selected station is busy.

2,269,142
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application June 28, 1940, Serial No. 342,836
24 Claims. (Cl. 179—38)



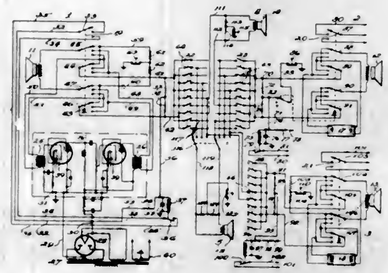
1. In a multiple station intercommunicating system, the combination including, signal means at each station, a source of energy at each station, a normally de-energized solenoid at each station controlling the signal means thereat, and means including a station selector switch at each station for supplying said solenoid with energy from a busy selected station.

2,269,143
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application June 28, 1940, Serial No. 342,837
18 Claims. (Cl. 179—38)



1. In a multiple station intercommunicating system, the combination including, signal means at each station, current responsive means normally occupying a predetermined position controlling the signal means at each station, an amplifier at each station, a communication control switch at each station associated with the amplifier thereat, an amplifier circuit controlled by said switch, and switch means in said circuit operable by said current responsive means.

2,269,144
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application April 7, 1941, Serial No. 387,181
17 Claims. (Cl. 179—1)



1. In a multiple station intercommunicating system, the combination including, an amplifier at each station, means including a combined amplifier power and communication direction control switch at each station operable to a predetermined position for conditioning the station for reception through the amplifier and partly completing a circuit for rendering the amplifier operative, switch means at each station for completing said circuit, and means including other switch means at each station for effecting closure of said first mentioned switch means and rendering operative the amplifier at a station at which the control switch is in said predetermined position.

2,269,145
STABILIZED ERGOT ALKALOID PREPARATION
Samuel H. Culter and Robert E. Himelick, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich.
No Drawing. Application June 16, 1939, Serial No. 279,390
6 Claims. (Cl. 167—67)

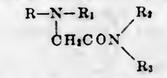
1. A solution containing ergot alkaloid and from 0.1 to 0.5 percent of ascorbic acid and having great stability against deterioration with respect to its therapeutic properties.

2,269,146
REMOVAL OF FILTER DYES FROM COLOR FILMS
Le Roy M. Dearing, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 22, 1939, Serial No. 305,749
3 Claims. (Cl. 95—2)

1. The method of removing a filter dye containing an aldehyde group from a photographic film containing image dyes selected from the class consisting of indophenol, indaniline and azomethine dyes, which comprises dissolving the filter dye in a solution of sodium bisulfite and a fatty alcohol without affecting said image dyes.

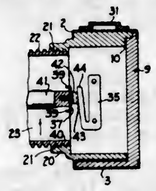
2,269,147
DI (ARYL AMINO) ALKACYL AMIDE
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 21, 1939, Serial No. 300,661
4 Claims. (Cl. 260—557)

1. The non-sulfonated nuclear diarylamine compounds having the general formula:



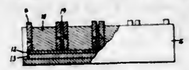
wherein the nuclei R and R_1 each represents a member selected from the group consisting of a benzene nucleus, and a naphthalene nucleus, and in which at least one of the nuclei must be substituted by a nitro group, and R_2 and R_3 each represents a member selected from the group consisting of hydrogen, an alkyl group, and a lower hydroxyalkyl group.

2,269,148
FOLDING CAMERA
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 12, 1940, Serial No. 340,138
9 Claims. (Cl. 95—39)



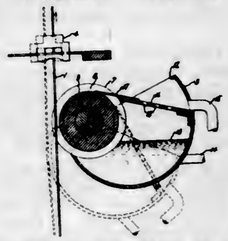
7. In a collapsible camera including a camera body and a camera front having a threaded connection with the camera body on which the front may turn to and from an operable or picture-taking position, a wedge-shaped member and a spring member positioned to contact therewith forming a two-part camera front locating device, said camera front carrying the wedge-shaped member, the camera body carrying the spring arm in a position to engage the wedge-shaped member, said spring arm being positioned to exert a thrust substantially axially of the camera front thread.

2,269,149
PERMANENT MAGNET
Robert F. Edgar, Pattersonville, N. Y., assignor to General Electric Company, a corporation of New York
Application November 24, 1939, Serial No. 305,764
1 Claim. (Cl. 175—336)



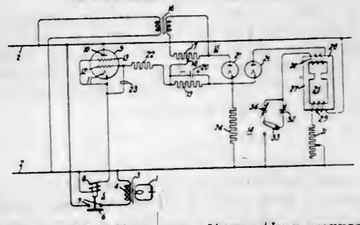
A permanent magnet assembly having a plurality of permanent magnet elements arranged in spaced relation with their magnetic axes substantially in alignment, an armature element to be attracted by said permanent magnet elements, and a keeper element, the adjacent poles of said magnet elements being of opposite polarity, a relatively permeable pole piece in engagement with each polar face of each of said permanent magnets, a nonmagnetic spacer element positioned between said adjacent pole pieces of said permanent magnets, said keeper constituting a shunt flux path and comprising a single fixed magnetic element extending substantially the full length of said magnetic assembly and being formed of relatively permeable material and spaced from said pole pieces to form a flux path whose magnetic reluctance is substantially greater than the reluctance of the magnetic circuit including said pole pieces and said armature when said armature is in the operative position, and whose reluctance is substantially less than the reluctance of the magnetic circuit including said pole pieces and said armature when said armature is in the pulled-away position with respect to said pole pieces.

2,269,150
WIRE COATING DEVICE
Edward J. Flynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1940, Serial No. 340,756
8 Claims. (Cl. 91—49)



1. In a wire coating device, a receptacle provided with an opening and coating material therein, a rotatable grooved roller closing said opening in part and adapted to convey said coating material from said receptacle to a wire, said receptacle being pivotally mounted to permit limited rotation thereof about said roller.

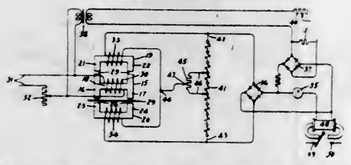
2,269,151
ELECTRIC CONTROL CIRCUITS
George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1937, Serial No. 138,816
14 Claims. (Cl. 250—27)



1. In combination, an alternating current circuit, a translating device, an electric valve means interposed between said circuit and said device for energizing said device, said electric valve means including a control member for controlling the conductivity thereof, and a control circuit for energizing said control member comprising means for impressing on said control member a negative unidirectional bias voltage tending to maintain said electric valve means nonconduc-

tive, an impedance element and means connected across said impedance element comprising a serially connected source of periodic voltage of peaked wave form, a unidirectional conducting device connected in series relation with said source of voltage of peaked wave form and a capacitance for supplying a predetermined number of impulses of positive voltage to overcome said bias voltage to render said electric valve means conductive for a corresponding number of half cycles of voltage of said alternating current circuit.

2,269,152
FOIL GAUGE
Claude M. Hathaway, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application July 9, 1938, Serial No. 218,476
9 Claims. (Cl. 175—183)

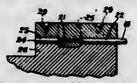


1. A gauge comprising a pair of current-conducting elements, means for producing alternating potential difference in said elements, means for producing variations in the relative values of the potential differences in response to variations in a quantity to be measured, a rectifier having a pair of input terminals and a pair of output terminals, said current-conducting elements being connected in differential relationship to said input terminals, a direct-current-responsive device connected to said output terminals, and means for supplying a direct voltage to said current-responsive device of opposite polarity to that supplied by the output terminals of said rectifier and of sufficient magnitude to maintain the current in the rectifier sufficiently high for accurate operation as a rectifier.

2,269,153
DISTILLATION APPARATUS
John C. Hecker, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application June 18, 1940, Serial No. 341,181
1 Claim. (Cl. 202—205)

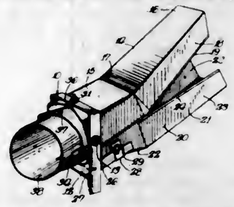
In a high vacuum, thin film, unobstructed path still provided with vaporizing and condensing surfaces which are separated by substantially unobstructed space, the improvement which comprises a vaporizing surface which is coated with aluminum powder.

2,269,154
DYNAMOELECTRIC MACHINE
Lawrence F. Hemphill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 7, 1939, Serial No. 303,243
12 Claims. (Cl. 171—321)



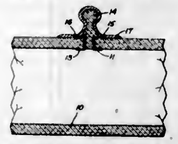
1. An electrical connection of an insulated conductor to an electrically conductive element having a recess therein including an uninsulated part of said conductor arranged in said conductive element recess and insulation about a part of said conductor extending from outside said recess into said recess to said uninsulated conductor part, and a solidified molten metal arranged about said conductor in said recess without substantial penetration of said molten metal into said conductor beyond the conductive element recess.

2,269,155
ROUGHAGE MILL DISTRIBUTING SPOUT
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application May 29, 1939, Serial No. 276,269
11 Claims. (Cl. 302—63)



1. A material distributing spout comprising a supporting frame, chute-like members pivotally connected to said frame, and a conduit pivoted to said frame on an axis at right angles to the pivotal axis of said first named members.

2,269,156
LEAD-IN SEAL
August J. Kling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 26, 1940, Serial No. 331,792
10 Claims. (Cl. 250—27.5)

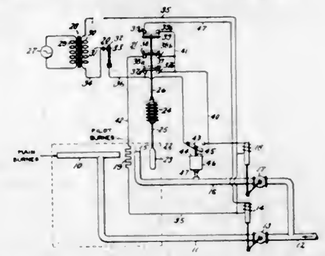


8. An electron discharge device comprising an envelope of insulating material, a hole in the wall of the envelope, metallic means contiguous with the side of said hole having portions following contiguously the external contour of the surfaces of said wall adjacent said hole, and a plug sealed gas-tight in said hole.

2,269,157
AUTOMATIC FLUID FUEL BURNER CONTROL
Samuel J. Levine, Verona, N. J., assignor to General Electric Company, a corporation of New York
Application July 31, 1940, Serial No. 348,949
5 Claims. (Cl. 158—117.1)

1. In a fluid fuel burner control system, a main burner connected to a fuel supply source by a main burner conduit, a normally closed valve interposed in said main burner conduit, a pilot burner connected to said fuel supply source by a pilot conduit, a normally closed pilot valve interposed in said pilot conduit, electrically actuated opening means for the burner valve, electrically actuated opening means for the pilot valve, means for igniting the pilot burner, an

energizing circuit for the main valve and pilot valve opening means, a first switch in said energizing circuit, a second switch for controlling the energization of said main valve opening means, heat responsive means associated with said pilot burner for controlling said first and second switches, said heat responsive means being normally at a "start" position in which said first switch is closed and said second switch is open and moving to a "run" position in which said first switch is open and said second switch is closed in response to combustion at the pilot burner, a holding circuit shunting said first switch, said holding circuit including a normally



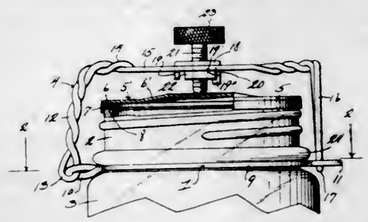
open pressure switch and means for closing said pressure switch upon the attainment of a predetermined fuel supply pressure in the pilot conduit between the pilot valve and the pilot burner whereby upon a falling of said pressure below said predetermined value when said heat responsive means is in the "run" position and said first switch is open, said pressure switch opens causing a deenergization of the main and pilot valve opening means and a closure of the main and pilot valves so that said pressure switch cannot reclose until said heat responsive means returns to the "start" position to close said first switch and reopen said pilot valve.

2,269,158
COLOR PHOTOGRAPHY
Michele Martinez, London, England, assignor to Eastman Kodak Company, Rochester, N. Y.
No Drawing. Application October 3, 1938, Serial No. 233,115. In Great Britain October 5, 1937
22 Claims. (Cl. 95—2)

1. A photographic gelatino silver halide sensitive material having different color formers incorporated in differently color-sensitive regions thereof, characterised in that each color former is associated with, but not chemically combined with, a resin to localise its action.

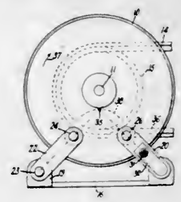
2,269,159
CLOSURE CAP SECURING MEANS FOR JARS AND THE LIKE
Robert Moenck, East Farms, Wash.
Application April 16, 1940, Serial No. 329,956
5 Claims. (Cl. 215—88)

3. Means for securing a closure cap over the mouth of a jar having a flanged neck portion, comprising a split resilient ring adapted to encircle the neck portion beneath said flange and having two spaced ends each terminating in a hook, means forming a hinge ring integral with the split ring, an arched member disposed over said disk and comprising a vertical portion, a horizontal portion and a pair of spring legs, means forming a part of said vertical portion for connection with said hinge ring for hingedly coupling the arched member with the resilient ring, said spring legs each terminating in a hook adapted for detachable connection with a hooked end of the resilient ring, a relatively rigid disk adapted to lie over and upon said cap, means carried by said horizontal portion for applying downward pressure to said disk and to the closure cap, said horizontal portion being formed to pro-



vide two spaced guides, and said pressure applying means comprising a plate secured between said guides and having an aperture therethrough, a nut secured upon the under side of said plate in alinement with the aperture, and a screw passing through said aperture and having threaded engagement with said nut.

2,269,160
DYNAMOELECTRIC MACHINE
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 15, 1939, Serial No. 309,427
7 Claims. (Cl. 248—23)

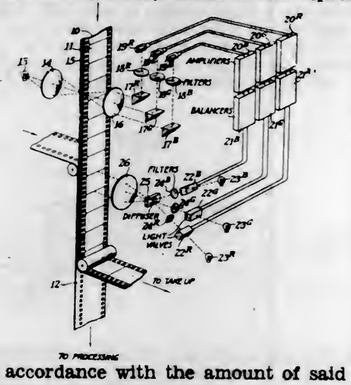


1. A dynamo-electric machine or the like having a stationary member and a rotatable member, a pair of supporting arms adapted to be pivotally secured to a support, means for pivotally securing the other ends of said supporting arms to said stationary member so as to mount said stationary member pivotally about an axis substantially parallel to the axis of said rotatable member and eccentric with respect thereto, and means for pivotally supporting the other end of said stationary member.

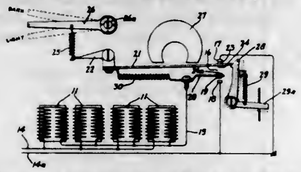
2,269,161
COLOR PHOTOGRAPHY
Richard S. Morse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 18, 1938, Serial No. 208,632
22 Claims. (Cl. 95—2)

1. The method of reproducing a multi-colored photograph prepared by a predetermined process which comprises preparing by the same process with identical materials and identical processing conditions an approximately full color photographic record of light of known spectral distribution, noting the departure of the record from a correct rendition of said distribution, reproducing

said photograph and controlling the relative amounts of the primary colors in the reproduction in accordance with the amount of said departure.



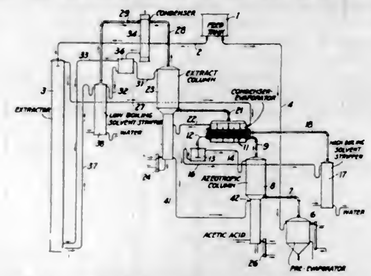
2,269,162
TIMING DEVICE
Heber L. Newell, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application January 6, 1940, Serial No. 312,706
8 Claims. (Cl. 161—16)



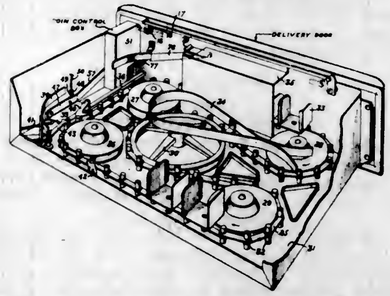
1. A timing device for heating apparatus provided with a heater comprising a thermo-magnetic control element for said heater biased to a first position and the magnetization of which is reduced when said element is heated to a high temperature and is increased when it cools to a low temperature, heating means for heating said element, magnetic means for attracting said element to move from said first position to a second position, control means operated by said element when moved to said second position for controlling said heater and said heating means to apply heat to said apparatus and also for heating said element so as to cause it to lose its magnetism and move from said second position to said first position whereupon said control means controls said heating means to cease to heat said element and said heater is controlled to maintain the application of heat to said apparatus, said thermomagnetic member upon cooling being attracted away from said first position by said magnetic means so as to operate said control means to cause said heater to cease to apply heat to said apparatus, and releasable stop means preventing the return of said control element to said second position.

2,269,163
PROCESS FOR DEHYDRATING ALIPHATIC ACIDS BY A COMBINED EXTRACTION-DISTILLATION METHOD
Donald F. Othmer, Brooklyn, N. Y., assignor, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia
Application April 7, 1938, Serial No. 200,746
5 Claims. (Cl. 202—42)

1. A process for dehydrating aqueous acetic acid solutions, which comprises forwarding such solutions in the vaporous state into an intermediate section of a distillation column containing a mixture of a symmetrical ketone with an unsymmetrical ketone, vaporizing symmetrical ketone, unsymmetrical ketone and water from the column, separating the symmetrical and unsymmetrical ketone mixture from the water and returning this ketone mixture to the distillation column at a point substantially above the vaporous feed, whereby said ketone mixture flows countercurrent to the vapors in the column undergoing distillation, and withdrawing the dehydrated acid from below the vaporous feed.

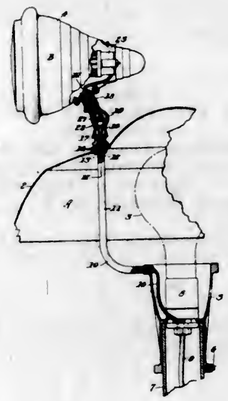


2,269,164
COIN-CONTROLLED VENDING MACHINE
Dean C. Rinehart, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 7, 1940, Serial No. 333,754
3 Claims. (Cl. 312—97)



1. In a coin-controlled vending machine, a horizontally disposed compartment for containing articles to be vended, a delivery door in said compartment, a conveyor for conveying articles in said compartment to said delivery door, said conveyor comprising an endless horizontally disposed chain formed by links connected by studs extending below said chain to rest in sliding contact on the floor of said compartment and also extending above said chain, article holders fastened on every other upwardly extending stud, such article holder being non-rotatably secured to one of the connecting chain links by such studs so as to maintain the article holders oriented in a desired position with respect to the chain axis while allowing the chain to move in a curved path, grooved pulleys rotatively supported from the floor of said compartment over which said chain runs and which determine the path of movement of such chain and coin-controlled means for advancing said chain in steps equal to the spacing of the holders thereon.

2,269,165
LIGHTING FIXTURE
Harry E. Rutledge, Dormont, Pa.
Application September 20, 1939, Serial No. 295,774
6 Claims. (Cl. 240—1)



1. In a unitary mounting for a multiple lighting fixture of the character described, a pole socket, a reflector above the socket, a light source for the reflector, a plurality of spaced arms extending outwardly and upwardly from the pole socket engaging the reflector laterally beyond the light source for supporting the reflector, at least one of said arms extending through the reflector for supporting a second lighting unit atop the reflector, a second lighting unit, means for variably adjusting and securing said second lighting unit on said arm consisting of a rotatable sleeve member connecting the second lighting unit with an intervening hinge joint, said means and arm being hollow, and an electrical connection for the second unit disposed in said means and arm.

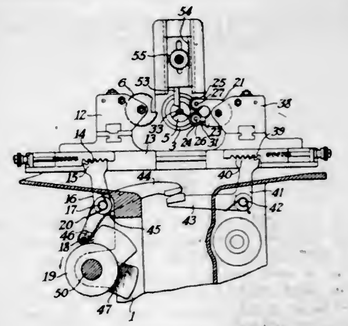
2,269,166
POLYVINYL ACETAL RESIN
Martti Salo, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 21, 1939, Serial No. 263,185. In Great Britain March 22, 1938
12 Claims. (Cl. 260—73)

1. A process for preparing a polyvinyl acetal resin containing a hydroxyl group content equivalent to not more than about 25 percent by weight of polyvinyl alcohol and an ester group content equivalent to not more than about 20 percent by weight of polyvinyl ester comprising reacting, in the presence of an acetal condensation catalyst, a polyvinyl compound selected from the group consisting of polyvinyl alcohols and partially deesterified polyvinyl esters with a plurality of aldehydes from about 20 to about 30 mole percent of said aldehydes being a benzaldehyde selected from the group consisting of halogenated and nitrated benzaldehydes and the remainder of said aldehydes being at least one saturated aliphatic aldehyde containing from one to four carbon atoms.

2,269,167
WELDING FLUX
Gareth G. Somerville and Garnett H. Porter, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 21, 1939, Serial No. 280,351
3 Claims. (Cl. 148—26)

1. A welding flux having as its principal ingredient non-gassing wollastonite particles that will pass a 10-mesh screen and will not pass an 80-mesh screen.

2,269,168
APPARATUS FOR MANUFACTURING SCREW STICKS
William H. Ure, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 28, 1939, Serial No. 306,506
3 Claims. (Cl. 29—52)

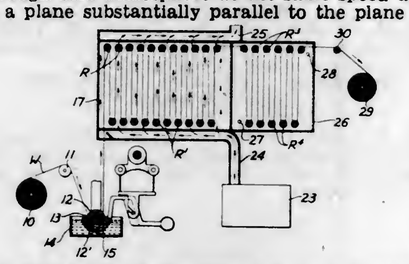


1. In a machine for making screw sticks including a stock holding chuck and an intermittent stock advancing mechanism, the combination with a work supporting tube spaced from and coaxially aligned with the chuck, a movably mounted forming tool for shaping a screw blank and neck, a pair of threading rollers movably mounted with respect to the chuck, means for moving the forming tool and threading tool one after the other to and from work held by the chuck, a shaft for operating the tool moving means, the movable mounts for said forming tool and threading tool each being so positioned that said tools may be moved between the chuck and the coaxially arranged work support.

2,269,169
PROCESS FOR COATING SUPPORTS
Henry E. Van Derhoef and Alfred E. Brooks, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 25, 1938, Serial No. 236,964
11 Claims. (Cl. 91—69)

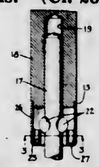
1. The process of coating a support with an aqueous solution of a colloidal material capable of gelling at a given temperature which comprises, coating the support with the solution, then passing the support through an unsaturated atmosphere the dry bulb temperature of which is above the gelling temperature of the colloidal material and the wet bulb temperature of which is below the gelling temperature of said material, and moving said support

through said atmosphere at the same speed and in a plane substantially parallel to the plane of



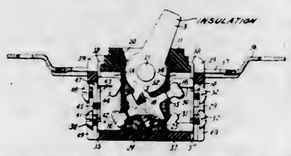
the support as when coated until the coating has been sufficiently dried.

2,269,170
COUPLING
William F. Allenby, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application May 3, 1940, Serial No. 333,179
4 Claims. (Cl. 287—119)



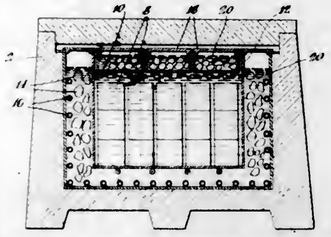
1. In a mixing device and the like, a tubular driving spindle having slots in one end thereof and a portion of reduced diameter at said slotted end, a tool having a shaft insertable in said spindle, lugs on said shaft adapted to be received in said slots in said spindle so as to form a driving connection between said shaft and said spindle, the distance between the outer edges of said lugs being slightly greater than the diameter of said reduced portion, and a resilient ring engaging said lugs to support said shaft in said spindle, said ring being mounted on said portion of reduced diameter and being moved to a non-supporting position by said lugs during insertion or removal of said shaft from said spindle.

2,269,171
ELECTRIC SWITCH
George B. Benander, Oaklawn, R. I., assignor to Monowatt Electric Corporation, Bridgeport, Conn., a corporation of Connecticut
Application May 18, 1939, Serial No. 274,367
10 Claims. (Cl. 200—67)



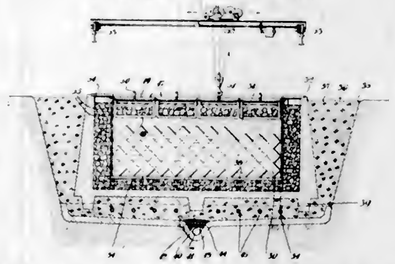
1. In an electric switch, a casing recessed from one face, stationary contact structures positioned in said body adjacent the opposite ends thereof, at least one of said stationary contact structures including a conducting strip extending along an end wall of said casing and having a lug projecting from each end thereof, the lug extending from one end of said strip having engagement with said casing to secure said one contact structure against endwise movement relative to said casing, a lug projecting from the other stationary contact structure, a cover positioned on said casing and having an aperture at each end to receive the lugs projecting from the other end of the conducting strip of said one contact structure, and said lug projecting from the other contact structure, said last-mentioned lugs having portions thereof bent into engagement with an outer surface of said cover to hold it assembled on said casing.

2,269,172
APPARATUS AND PROCESS FOR STORAGE OF DRY ICE
Wilfred T. Birdsall, deceased, late of Montclair, N. J., by Alvin C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application November 4, 1937, Serial No. 172,715
5 Claims. (Cl. 62—91.5)



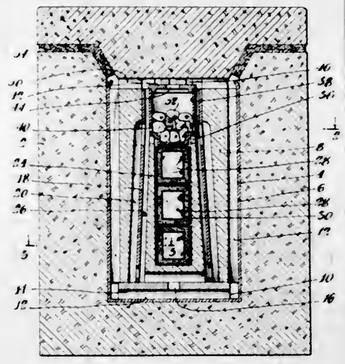
1. A method for the preservation of low temperature refrigerants such as dry ice, liquid air and the like, which comprises the steps of enclosing the refrigerant in an insulated chamber, surrounding the chamber with a barrier of dry ice immersed in a liquid and insulating said dry ice from its surroundings.

2,269,173
METHOD AND MEANS FOR STORING REFRIGERANTS
Wilfred T. Birdsall, deceased, late of Montclair, N. J., by Alvin C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application November 4, 1937, Serial No. 172,716
8 Claims. (Cl. 62—91.5)



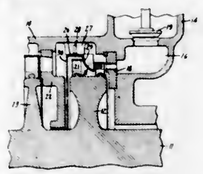
1. A chamber for use in the storage of solid carbon dioxide, comprising a container having a liquid therein for enclosing solid carbon dioxide placed in said container and which becomes viscous when cooled to the temperature of solid carbon dioxide at atmospheric pressure, a heat insulating casing surrounding said chamber and spaced therefrom, and additional solid carbon dioxide located in the space between said chamber and casing.

2,269,174
DRY ICE STORAGE
Wilfred T. Birdsall, deceased, late of Montclair, N. J., by Alvin C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application November 4, 1937, Serial No. 172,717
6 Claims. (Cl. 62—91.5)



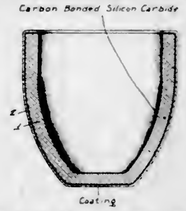
1. The method of storing dry ice which comprises the steps of enclosing a store of dry ice in a permeable insulating jacket, placing the jacket containing the store of dry ice in an insulated chamber contained within and spaced from a second insulated chamber, establishing a heat absorbing zone in the space between said chambers, and maintaining said zone at a temperature approaching that of dry ice.

2,269,175
ELASTIC FLUID TURBINE
David J. Bloomberg, Newton, Mass., assignor to General Electric Company, a corporation of New York
Application December 8, 1939, Serial No. 308,158
4 Claims. (Cl. 253—69)



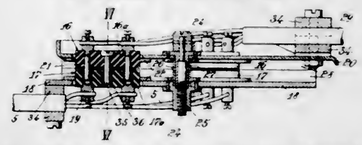
1. Elastic fluid turbine comprising a casing, first stage wheel means with at least two axially spaced rows of buckets, means for conducting elastic fluid to the first row of buckets, an intermediate nozzle plate for directing elastic fluid discharged from a section of the first row to a section of the second row, and a shielding and guiding device for bypassing elastic fluid discharged from another section of the first row with regard to another section of the second row and to prevent the flow of fluid through the other section of the second row, said device being supported on the casing and having a curved wall disposed between the two rows of buckets, and another wall adjacent the outlet side of the other section of the second row.

2,269,176
COATED REFRACTORY MELTING POT
Ralph E. Booth and Joseph Scorzoni, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Application June 26, 1940, Serial No. 342,594
1 Claim. (Cl. 263—48)



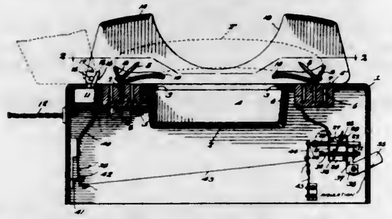
A container suitable for use with molten aluminum and the like comprising a carbon-bonded silicon carbide receptacle having a vitreous coating on the outside surfaces which are in contact with the surrounding atmosphere during the heating thereof, said coating being capable of effectively protecting the receptacle from oxidation thereof and consisting of from 40 to 60 parts by weight of flint and about 57 parts by weight of a fused inorganic binder comprising a fused mixture of an inorganic enamel, ball clay, borax, soda ash, and tin oxide.

2,269,177
ENCLOSED ELECTRIC WIRING SYSTEM
Fritz Borchert, Berlin-Britz, Bernhard Kleindienst, Berlin - Niederschoneweide, Helmut Eule, Berlin-Karlshorst, and Richard Pilz, Berlin-Johannisthal, Germany, assignors to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany
Application July 18, 1939, Serial No. 285,138
In Germany May 13, 1937
8 Claims. (Cl. 174—88)



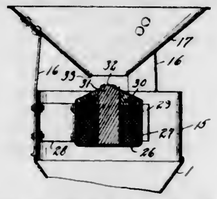
5. In electric wiring systems for aircraft, the combination of a channel having electric wirings disposed within the same, said channel and wirings being cross-sected at common points of division, forming unitary installation sections, the channel sections having provision for affording access to the wirings from without at the points of division of the channel, and the sections of the channel and wirings each having easily releasable means at their opposite ends disposed for attachment to the adjacent ends of corresponding sections through relative movement of the sections in a direction generally transverse to their longitudinal axes, to permit convenient assembly thereof in the form of a wiring circuit for the aircraft, as well as convenient removal or installation of individual sections respecting the wiring circuit, the attachment and detachment of the wiring sections being effected through the places of access to the wirings at the points of division of the channel.

2,269,178
FRANKFURTER COOKER
Walter E. Breneman, York, Pa.
Application April 7, 1939, Serial No. 266,657
1 Claim. (Cl. 200—113)



A timer for incorporation in an electric circuit, including an element expansible by heat generated by resistance to current flowing therethrough, separate movable switch contacts, means for shifting them in one direction while in contact and during the expansion of said element by the generated heat, and means for locking one of the switch contacts against retrograde movement, said expansible element, when cooled, constituting means for shifting the other switch contact away from the held switch contact to break the circuit, means under the control of an operator for releasing the held contact, and means for returning the released contact into engagement with the other contact.

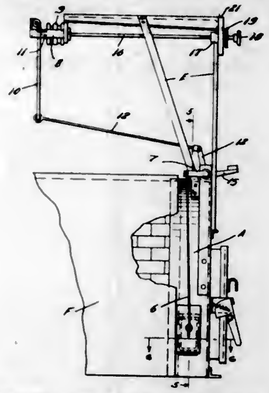
2,269,179
FEED CLEANER FOR GRAIN GRADER SAMPLE DIVIDERS
Homer L. Brundage, Toledo, Ohio
Application August 12, 1940, Serial No. 352,245
3 Claims. (Cl. 209—223)



1. For assembly with a sample divider of the grain grader type having an upwardly open circular hopper, a chute for delivery to and mounted on said hopper, a circular tapered portion centrally in the chute having a central magnetic and a surrounding non-magnetic face section, and directing means providing a spill of granular material to lodge directly on said central face to spill therefrom over the non-magnetic face and be then directed by said chute into the hopper with the magnetic face section effective to retain magnetizable material thereon as the non-magnetic granular material passes therefrom.

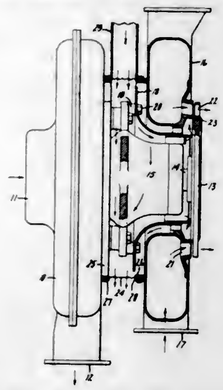
2,269,180
THERMOSTATIC CONTROLLED FURNACE DAMPER
Robert I. Burroughs, Henderson, N. C.
Application October 16, 1940, Serial No. 361,459
2 Claims. (Cl. 236—1)

1. In a device of the class described, a heating device having a draft opening therein, a door for closing the opening, a shaft supported for rocking movement and having a first arm thereon, means for connecting said arm to the door, a second arm on the shaft having a weight thereon for holding the shaft in position with the first arm holding the door open, a third arm rising from the shaft, a frame arranged above the heating device, a bar pivotally connected at its upper end to the rear part of the frame, a link connecting the lower end of the bar to the third arm, a thermostat supported in the frame and having a part engaging the bar for moving the



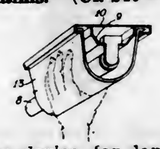
bar rearwardly, when the thermostat expands, whereby the shaft is rocked to close the door, a horizontally arranged rod supported for rotary movement in the frame and having its rear end engaging the thermostat to adjust the same, a knob on the front end and indicator means for indicating the amount of adjustment of the thermostat by turning movement of the rod.

2,269,181
GAS TURBINE DRIVEN SUPERCHARGER
Edward B. Clarke, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 27, 1939, Serial No. 301,638
1 Claim. (Cl. 230—116)



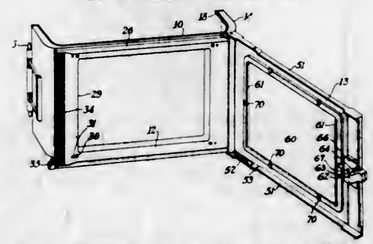
Gas turbine driven supercharger arrangement comprising a compressor having a shaft, a bearing supporting an intermediate portion of the shaft, a gas turbine having a bucket wheel secured to the shaft and an annular nozzle box for conducting gas to the wheel concentrically spaced from the bearing, cylindrical flanges being formed on adjacent portions of the compressor and the nozzle box, means comprising a conduit secured to the flanges for conducting cooling air to the bearing and the bucket wheel, and means including a cylindrical screen with edges secured to the flanges of the compressor and the nozzle box and having a portion extending across said conduit to prevent solid objects from entering the space between the nozzle box and the bearing.

2,269,182
ILLUMINATING UNIT
Hugh J. Claspy, Monaca, and Erson V. Ogg, Etna, Pa., assignors to Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application August 28, 1940, Serial No. 354,526
4 Claims. (Cl. 240—78)



1. A shielding device for lamps, comprising horizontally-disposed shield-holding ledges and means for supporting them at opposite sides of a lamp, shield elements of generally channel form positioned in longitudinal alignment and each arranged to be positioned outwardly of the lamp, marginal flanges on opposite sides of the shield elements and fitting behind said ledges, the elements being slidable longitudinally of the ledges, stop shoulders on the sides of each shield element at the bases of the flanges, positioned to engage the adjacent edges of the ledges, each shield element being of reduced width at points outwardly from the shoulders, whereby when one side of the shield element is pushed inwardly to disengage its shoulder from the adjacent ledge, the shield element can be freely moved sidewise to cause the flange at its other side to be moved clear of its associated ledge and permit that side of the shield element to be swung outwardly from said ledge, and a spring positioned to exert endwise thrust on the shield elements, to yieldably maintain them in end-to-end relation.

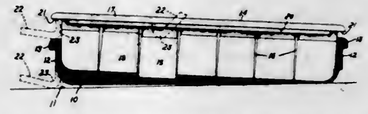
2,269,183
CUT FILM BACK FOR CAMERAS
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 8, 1941, Serial No. 387,392
10 Claims. (Cl. 95—66)



1. In a camera the combination with a camera body having an open back, an objective, and bearing surfaces in said camera body definitely spaced in accordance with the focal length of said objective, of a cut film back detachably connected to the back of said camera body in covering relation with the opening therein, and comprising a body portion adapted to engage said camera body in a light tight manner, a frame for positioning a cut film pack relative to the focal plane of the objective, a spacer member on said frame adapted to engage said bearing surfaces to definitely position the frame relative to the focal plane when the cut film back is placed on the camera body, means for adjustably connecting said frame to said body portion to permit a relative movement of the two parts along the optical axis, whereby said two parts can be adjusted relative to one another to insure said spacer member engaging said bearing surfaces and said body portion having a light tight engagement with said camera body, and means on said frame for holding a cut film pack in position against said frame.

3. In a camera the combination with a camera body having an open back, an objective, and bearing surfaces in said camera body definitely spaced in accordance with the focal length of said objective, of a cut film back detachably connected to the back of said camera body in covering relation with the opening therein, and comprising a body portion adapted to engage said camera body in a light tight manner, a frame on said body portion for positioning a cut film pack relative to the focal plane of the objective and including a locating surface against which the face of the film pack is adapted to be held, a spacer member on said frame adapted to engage said bearing surfaces to definitely position said locating surface relative to the focal plane when the adapter back is placed on the camera body, a ground glass support connected to one edge of said frame to move to and from a focusing position wherein it is superposed on the rear face of said frame, and ground glass in said support, a spacer element on the inner face of said ground glass support and adapted to engage said locating surface of said frame when the support is in its focusing position to definitely locate the ground glass in the focal plane of the camera, a resilient hinge between said ground glass support and said frame permitting movement of the support relative to the frame along the optical axis when the support is in focusing position, and normally forcing the support toward the frame whereby the spacer elements are normally held against said locating surface when the support is in focusing position, and a resilient latch for holding said support to said frame in focusing position.

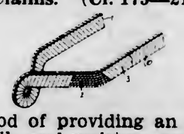
2,269,184
FREEZING TRAY
William Dalton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 7, 1939, Serial No. 307,998
2 Claims. (Cl. 62—108.5)



1. A removable divider for freezing trays comprising a longitudinal partition element formed of a metallic sheet bent upon itself, a plurality of transverse partition elements carried by said longitudinal partition element and adapted to cooperate therewith and with a freezing tray to form ice block compartments, and a member extending along the upper edge of said longitudinal partition element, the edges of said sheet being

flanged outwardly in opposite directions and both said edges being rigidly secured to said member, said member having a shoulder extending over said compartments to provide for mechanical removal of ice blocks from said compartments.

2,269,185
METHOD OF FORMING COIL INSULATION
Edward S. Dawson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 15, 1939, Serial No. 304,513
2 Claims. (Cl. 175—21)



1. The method of providing an electrical coil with a dust-, oil- and moisture-resistant insulation of high dielectric constant which comprises applying a combination plasticized cellulose ester-mica tape over the entire surface of said coil, heating said taped coil to a temperature above the softening point of the cellulose ester but insufficient to affect injuriously the cellulose ester, subjecting said heated coil to a vacuum treatment to remove the volatile ingredients therefrom, immersing said heated coil in a heated viscous fluid medium, and applying pressure to said fluid medium effectively to force the combination tape into intimate contact with the coil, the cellulose ester-mica tape on said coil being protected from contact with the fluid medium during pressure treatment by means of a wrapping of sacrifice tape impervious to the heated fluid medium, said tape being applied to the coil over the cellulose ester-mica tape before immersion thereof in said fluid medium.

2,269,186
RESINOUS COMPOSITION
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 7, 1938, Serial No. 233,784
1 Claim. (Cl. 260—53)

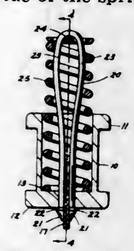
A method of preparing an oil-soluble resinous composition by refluxing para-hydroxy amyl benzoate and formalin containing 37.1 per cent formaldehyde in a ratio of the order of, by weight, 21.5 parts of the former to 9.1 parts of the latter in the presence of a small amount of oxalic acid and dehydrating the resulting mass.

2,269,187
HALOGENATED BENZOIC ESTER
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 17, 1940, Serial No. 330,113
11 Claims. (Cl. 260—87)

1. A nuclearly halogenated benzoic ester of polymerized vinyl alcohol.

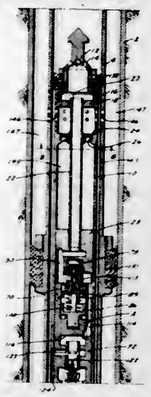
2,269,188
FASTENER
John De Mooy, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1940, Serial No. 324,158
11 Claims. (Cl. 85—5)

1. A fastener for temporarily holding together at least two perforated sheets in superposed relation, including a cupshaped housing having a base adapted to rest on the upper sheet, a bore extending centrally through said base of a diameter substantially equal to that of the perforations of the sheets, a relatively thin vertical partition central in said bore, a hairpinlike retainer slidable in said housing with the free ends thereof extending through said bore one on each side of said partition, a head on each of said free ends normally resting laterally against each other by virtue of the spring tension of said



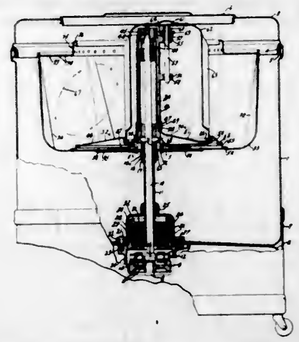
retainer, said heads when in said last position having a combined diameter enabling their insertion through aligned perforations of said sheets, and a spring urging said retainer upwardly relative to said housing for effecting the spreading of said heads by said partition and the consequential engagement of said heads with the under side of the lower sheet, said spring being of a sufficient force to hold together said sheets between said heads and the base of said housing.

2,269,189
FLUID PUMP
Harold R. Downs, Tulsa, Okla.
Application March 20, 1939, Serial No. 263,022
13 Claims. (Cl. 103—5)



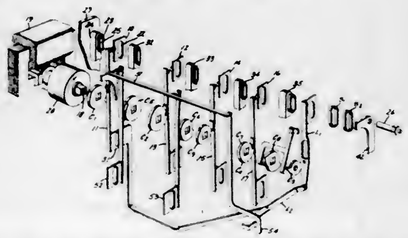
13. In a fluid pump mechanism, a fluid driven motor, a fluid supply line for said motor, a fluid regulator in said supply line, a pump unit driven by the motor for pumping liquid, means providing fluid communication between the regulator and the motor, said regulator comprising means movable in response to motor supply fluid pressure to meter fluid through the first mentioned means, means diverting discharge fluid pressure from the motor to said last mentioned means so that said discharge fluid cooperates to control the movement of the last mentioned means, and means simultaneously introducing discharge fluid pressure of the motor into the pumped fluid to assist the work of the pump.

2,269,190
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application November 11, 1937, Serial No. 173,987
6 Claims. (Cl. 68—23)



2. In a washing machine, a receptacle for receiving material to be washed, a rotatable agitator in the receptacle, means supporting the receptacle in rotatable relation to the agitator, shaft means, a connection between the agitator and the shaft means whereby the agitator is rotated with the shaft means for washing upon rotation of the shaft means in one direction, means including an over-running clutch for preventing rotation of the receptacle during rotation of the agitator, said clutch being arranged between the receptacle and a stationary part of the machine, and a connection between the receptacle and the shaft means effective upon high speed rotation of the shaft means in the reverse direction for effecting rotation of the receptacle to extract liquid from the material contained therein.

2,269,191
CONTROL SWITCH
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application July 27, 1940, Serial No. 347,994. Divided and this application July 17, 1941, Serial No. 402,753
3 Claims. (Cl. 200—6)



1. In a control switch mechanism, the combination of supporting means including a pair of spaced apart parallel rods, an insulating member having a pair of spaced apart non-circular bosses with openings extending through said bosses for slidably mounting said member on said rods, a metal plate provided with a non-circular opening for slidably mounting said plate on one of said bosses, a switch contact mounted on one edge of said plate, a separate metal plate provided with a non-circular opening for slidably mounting said plate on the other of said bosses, a movable switch contact resiliently mounted on one edge of said separate plate in circuit controlling relation with said first switch contact, and means including a second insulating member slidably mounted on said rods for clamping said plates on said bosses between said insulating members.

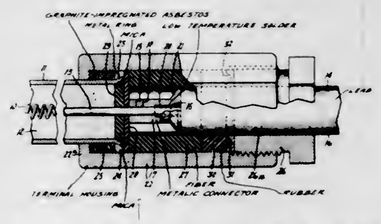
2,269,192
DENATURED ALCOHOL CONTAINING AN ALKYL FUROATE
Louis J. Figg, Jr., and James W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1940, Serial No. 364,883
3 Claims. (Cl. 252—366)

1. Industrial ethyl alcohol denatured with 0.5 to 5 parts of an alkyl furoate in which the alkyl group contains less than 3 carbon atoms, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,269,193
DENATURED ALCOHOL CONTAINING AN ALKYL CARBONATE
Louis J. Figg, Jr., and James W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1940, Serial No. 364,884
4 Claims. (Cl. 252—366)

1. Industrial ethyl alcohol denatured with 0.5 to 5 parts of a dialkyl carbonate in which each alkyl group contains less than four carbon atoms, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,269,194
ELECTRIC HEATER
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application December 19, 1939, Serial No. 310,028
8 Claims. (Cl. 174—77)



8. An electric heater comprising a conductor, a metallic sheath housing said conductor, a terminal for said conductor projecting from one end of said sheath, a terminal housing for said terminal having one end surrounding said end of said sheath in spaced relation with it, and graphite-impregnated asbestos packing interposed within the space between said end of said sheath and said housing to provide a fluid-impervious joint between them, and also, to provide for relatively easy sliding movement between them.

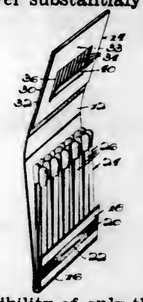
2,269,195
ELECTRIC HEATER
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application December 18, 1940, Serial No. 370,705
4 Claims. (Cl. 226—1)



1. The method of loading the sheath of an electric sheathed heater with a resistance conductor, terminals and powdered electrically insulating material which comprises providing a pair of cups of substantially the same preliminary construction adapted to be inserted in the ends of said sheath and having flanges for engaging the sheath to limit the movement of said cups into the sheath, forming openings in the bottom walls of said cups adapted to receive the terminals, assembling one of said cups with one of the terminals and forming a head on said terminal to prevent movement of the terminal through the opening in said cup, securing one end of the resistance conductor to said one terminal and securing the other end of the resistance conductor to the other terminal, then forming a head on the other terminal, threading said other terminal, resistance conductor and said one terminal through said one end of said sheath so as to seat said one cup in said one end of said sheath and to bring the other terminal opposite the other end of said sheath, providing the other cup with an elongated opening through which said head on said other terminal may be inserted and then inserting said head through said opening and turning said cup to prevent withdrawal of said head through said opening and inserting said cup in the other end of said sheath, and then filling the sheath with said insulating material through said elongated opening.

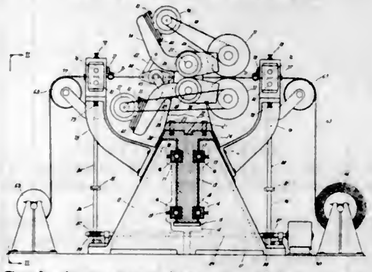
2,269,196
COMBINED MATCH AND TOOTHPICK HOLDER
Louis Fried, Brooklyn, N. Y.
Application March 29, 1940, Serial No. 326,702
1 Claim. (Cl. 206—29)

In a book match holder of the type having a foldable cover enclosing a match assembly, said cover being formed from a single strip of cardboard material bent transversely upon itself to provide a back portion, a folded flap portion, and a front portion spaced from the back portion and of less length than the flap portion and designed to receive therebehind an edge of the folded flap portion to maintain the holder closed, said folded flap portion consisting of an outer layer of the material and an inner layer thereof, said layers being arranged in contiguous face-to-face relationship and being secured together coextensively along the opposite longitudinal edges thereof and providing a relatively deep pocket having one open edge afforded by the inner layer of the material adjacent the juncture between the back portion and the flap portion, a plurality of toothpicks disposed in said pocket and substantially concealed therein, there being a thumb opening in said inner layer substantialy centrally thereof



providing for visibility of only the medial regions of the toothpicks and for manipulation thereof to slide the picks and project them from said open edge, and a closure flap normally closing said thumb opening and integrally and hingedly attached to the forward edge of the opening whereby the picks may be manipulated by a forward movement of the thumb when the closure flap is but partially open.

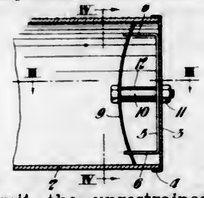
2,269,197
GRINDING AND POLISHING APPARATUS
Alfred E. Hamilton, Pittsburgh, Pa.
Application September 20, 1939, Serial No. 295,765
12 Claims. (Cl. 51—40)



1. Surfacing apparatus comprising means for imparting traveling movement to strip material and the like, a surfacing element positioned for engagement with the material and to extend across the width thereof, and means for imparting combined reciprocatory and vibratory movements to said element, in directions generally transverse to the path of travel of the material.

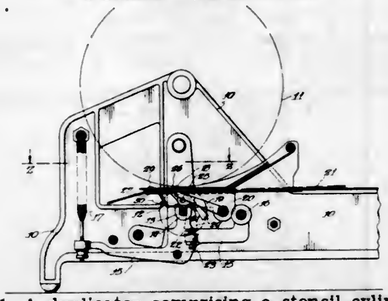
2,269,198
END PROTECTOR
Howard M. Hicks, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 22, 1939, Serial No. 310,621
1 Claim. (Cl. 138—96)

An end protector for tubular articles comprising, in combination, a cap overlying the end of said tubular article and provided with an annular flange encompassing its exterior surface adjacent the end thereof, a flexible concavo-convex strip disposed within the tubular article with its ends extending into adjacency with respect thereto, said strip having its concave portion facing said cap, a substantially U-shaped member disposed between said cap and said strip, the legs of said U-shaped member being extended toward said strip and having recesses in the extremities thereof to receive said strip at points adjacent the ends of the latter, the ends of said strip being of substantially constant



width to permit the unrestrained movement thereof in the recesses in the extremities of the legs of said U-shaped member, a bolt extending through the approximate centers of said cap, said U-shaped member, and said strip, whereby the center portion of said strip may be influenced toward said U-shaped member to thereby press the extremities of said strip into contact with the tubular article, and a tubular spacer carried by said bolt and disposed between said strip and said U-shaped member.

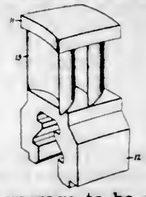
2,269,199
DUPLICATOR
Henry Hildebrandt, Chicago, Ill.
Application July 31, 1939, Serial No. 287,547
3 Claims. (Cl. 101—118)



1. A duplicator comprising a stencil cylinder; a pair of vertically swinging arms arranged under said cylinder at the ends thereof; an impression roller carried by said arms and cooperating with said cylinder; stops on the sides of said arms; substantially vertically positioned gravity held latches normally engaging said stops to prevent elevation of said impression roller into cooperative relationship with said cylinder, the upper ends of said latches being set in the path of the sides of a paper being fed to said cylinder and roller; and a horizontally swinging release member arranged to contact with each latch to swing and hold it out of the path of the stop on the corresponding impression roller arm.

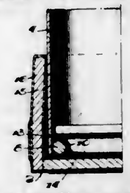
2,269,200
METHOD OF MANUFACTURING ELASTIC FLUID TURBINE BUCKETS
Rudolph Hillner, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 18, 1939, Serial No. 251,587
4 Claims. (Cl. 29—156.8)

1. The method of making an elastic fluid turbine bucket unit from forged steel which comprises the steps of making a blank having lower intermediate and upper portions, removing material from the upper portion to form a groove tapered towards the intermediate portion and of a width and curvature near the intermediate portion substantially equal to the width and curva-



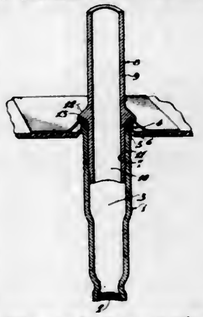
ture of a bucket passage to be produced thereafter, removing material from the intermediate portion to define a curved bucket passage, forming a curved strip V-shaped in cross section, and fusing the strip to the walls of the groove by V-shaped welds.

2,269,201
TRANSPARENT CONTAINER AND METHOD OF MAKING SAME
Lynde D. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York
Application March 15, 1938, Serial No. 196,073
3 Claims. (Cl. 229—5.5)



1. A container including upper and lower peripheral frame members of the form of the container, a sheet of thin flexible transparent material impervious to liquid secured to the upper and lower frame members to form a body portion, and a bottom section composed of an opaque bottom and an upstanding rim having a definite inward pitch and shrunk on the lower end of the body portion, said body portion and rim having cooperating means for interlocking the rim with the body portion.

2,269,202
VENT LIFT
Peter R. Hollaender, Cincinnati, Ohio
Application March 22, 1940, Serial No. 325,456
9 Claims. (Cl. 285—31)



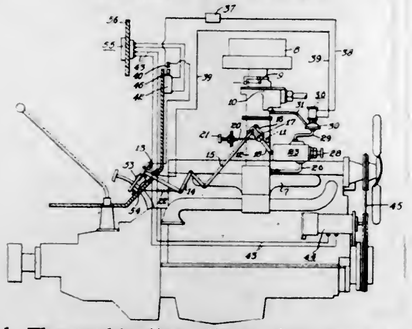
1. A vent fitting which comprises a tubular lift

having an annular lip extending from its periphery, a connector fitting adapted telescopically to receive a portion of the tubular lift beyond the lip, thread means provided upon the telescoping portions for screwing them together, a collar fitting extending telescopically around the tubular lift intermediate its lip and the connector, and joint means adapted for the reception of flashing material between the collar and the lip at its one end, and alternately between the collar and the connector at its other end.

2,269,203
TREATMENT OF LIQUID SUGAR
Lawrence T. Hopkinson, Washington, D. C.
No Drawing. Application November 30, 1938, Serial No. 243,296
7 Claims. (Cl. 99—142)

1. The method of preserving liquid sugar against decomposition and of improving the yield therefrom of food products including crystal sugar, syrup, molasses and distillates which comprises admixing acetaldehyde with the liquid sugar prior to a period of storage and thereafter evaporating the acetaldehyde.

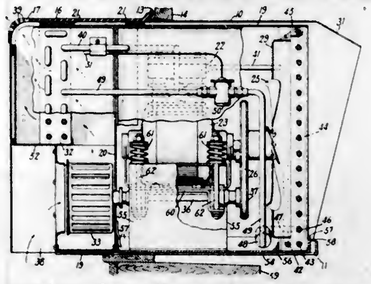
2,269,204
SPEED REGULATOR
George E. Howard, Butler, Pa.
Application November 9, 1940, Serial No. 365,025
16 Claims. (Cl. 123—102)



1. The combination with a prime mover and a source of motive fluid therefor, of a valve for controlling the flow of motive fluid to the prime mover, an element operated by fluid pressure, for controlling movements of said valve, a bleed device which varies the effectiveness of said pressure in accordance with changes in the position of said element, and means responsive to a predetermined rate of prime mover speed, for controlling flow in the bleed device.

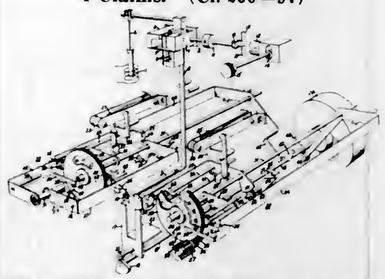
2,269,205
AIR COOLING APPARATUS
Albert B. Hubbard, West Orange, N. J., assignor to General Electric Company, a corporation of New York
Application July 11, 1940, Serial No. 344,933
1 Claim. (Cl. 62—140)

An air cooling apparatus including a casing having arranged therein a refrigerating machine comprising a compressor and a condenser and an evaporator, a partition in said casing providing two compartments one containing said evaporator and the other containing said compressor and said condenser, means for circulating air over said evaporator for cooling and dehumidifying said air, means for circulating air through said other compartment over said compressor and condenser, said casing including a pan forming the bottom wall of said second compartment, the lower end of said condenser being arranged within said pan, a dividing wall in said pan having a height less than the height of the wall of said pan for providing a water reservoir about the lower end of said condenser, means for collecting



water condensed on the surface of said evaporator and for conducting the water to said reservoir, said dividing wall affording an overflow of water from said reservoir into the main portion of said pan, and said pan having a portion of its side wall remote from said partition of a height less than the remaining portion thereof whereby any overflow of water from said pan is discharged away from said apparatus.

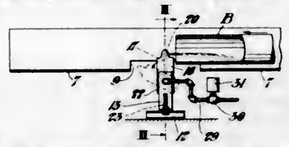
2,269,206
RELAY
Anthony I. Kasper, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 20, 1941, Serial No. 379,844
4 Claims. (Cl. 200—97)



1. In combination, an electroresponsive device having a movable member, a continuously operating motor, a two position circuit controller, a lost motion coupling having a driven element for moving said circuit controller from one position to the other, a driving element for said coupling, and means under the control of said movable member for selectively operating said driving element in either direction by means of said motor.

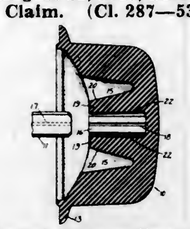
2,269,207
TUBE LUBRICATOR
John W. Kelso, East McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application June 28, 1939, Serial No. 281,708
1 Claim. (Cl. 80—11)

In combination with a pipe or tube mill, a device for lubricating the interior of a tubular blank including a retractable ejector device disposed in the path of the tubular blank in its movement toward the mill, said retractable ejector device comprising a pivoted member extending into the path of the tubular blank and providing a feed orifice, means for supplying a lubricant under pressure to said pivoted member and through said feed orifice, said pivoted member being adapted for movement into its retracted position by contact therewith of the tubular workpiece, means operable by the retraction of said pivoted member for interrupting the supply of lubricant



to said feed orifice, means for discontinuing the supply of said lubricant to said pivoted member when the latter is in its retracted position, means for restoring said pivoted member to its unretracted position, said last named means being operable to restore communication of said feed orifice with the lubricant-supplying means, and means operable by the approach of the workpiece toward said pivoted member for supplying lubricant to said pivoted member and through the feed orifice thereof.

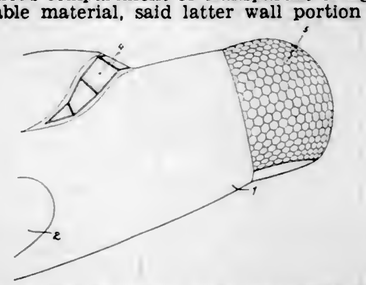
2,269,208
PUSH-ON TYPE HANDLE
Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 21, 1940, Serial No. 353,438
1 Claim. (Cl. 287—53)



A handle comprising a unitary body structure provided with a recess therein, opposite walls of said recess being formed with bearing surfaces, oppositely disposed resilient webs upstanding from the bottom of said recess and being spaced from the said opposite walls thereof, said webs having tapered surfaces cooperating with said bearing surfaces to form a well for receiving a shaft, the tapered surfaces on said webs extending outwardly toward the bottom of said recess so that the cross sectional area of said well constantly increases from a point adjacent the ends of the webs to a point adjacent the bottom of said recess, the webs being biased outwardly as the shaft is inserted in said well whereby said webs frictionally and resiliently grip said shaft along the length of said tapered surfaces to hold the handle in position.

2,269,209
DOUBLE-WALLED COMPARTMENT FOR HIGH ALTITUDE AIRCRAFT
Emil Kolland, Berlin-Johannisthal, Germany, assignor to the firm: Henschel Flugzeug-Werke A. G., Schonefeld, Kreis Teltow, Germany
Application November 7, 1938, Serial No. 239,383
In Germany November 15, 1937
1 Claim. (Cl. 244—119)

Double-walled compartment for high altitude aircraft having a heatable hollow space in the compartment wall, a portion of said wall being arched in streamline fashion and forming a full-view pilot's compartment of transparent or light permeable material, said latter wall portion of



the pilot's compartment being composed of a plurality of flat hexagonal double panes forming multiple fields which are so constituted that they form uniform structural units which can readily be exchanged.

2,269,210
HAY KNIFE
Frederick Kunz, Greeley, Colo.
Application May 28, 1940, Serial No. 337,729
2 Claims. (Cl. 30—315)

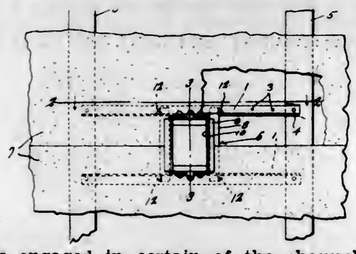


1. A hay knife comprising a handle having a flat front surface and a central longitudinal rib projecting rearwardly from said handle, a flat blade secured flatwise against the front surface of the handle at its lower end, a hand grip at the upper end of the handle and a stirrup of channel form in cross section pivoted at one end to said rib, the stirrup being adapted for folding longitudinally against the handle and receiving the rib in said channel when the stirrup is in its folded position.

2,269,211
OUTLET BOX SUPPORT
Harold Kuykendall, Lancaster, Pa.
Application June 10, 1940, Serial No. 339,809
2 Claims. (Cl. 248—201)

2. A support of the class described comprising a pair of spaced, parallel bars of substantially S-shaped cross section adapted to be mounted between a pair of supports, said bars having channels therein adapted to be brought selectively into position for use, said channels for the reception of lugs on an electrical outlet box for mounting said box between the bars, and holders

for a wall covering mounted between the bars, said holders including bars having their end portions engaged in certain of the channels, and angular flanges on the second named bars engageable with the wall covering for retaining same.



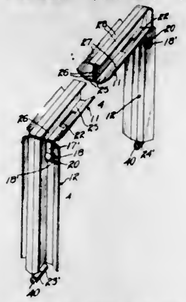
2,269,212

BAG WITH CHANNELED FRAME

George Laubenstein, Madison, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware

Application May 14, 1940, Serial No. 335,036

7 Claims. (Cl. 150—29)



1. In a handbag, a bag frame element comprising metal strip having channel shape and sharp angle corners, integral connecting members on said strip in said corners, said members being doubled upon themselves and abutting the bottom of the channel, and integral lateral extensions on said members, the said metal strip having an opening in a side wall of the channel directly opposite each of said lateral extensions, said extensions serving to press bag material into each opening and to anchor said material firmly to said frame element.

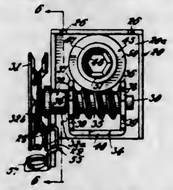
2,269,213

VENETIAN BLIND TILTER

Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York

Application June 11, 1941, Serial No. 397,535

9 Claims. (Cl. 156—17)



1. In a Venetian blind tilter of the type in which a worm-and-gear unit is mounted in a housing, the worm being on a shaft which projects outside of the housing, and the shaft being provided with a drive pulley located outside of the housing; the improvement which comprises: the housing being formed by two flat-bottomed cup-like shells of sheet metal, the cup formations having mouths formed by the edges of the sheet metal and the two cup formations being secured together with the mouths in edge-to-edge contact; bridge members extending from one of said shells to the other; and said shaft being journalled in one of said bridge members.

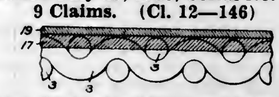
2,269,214

SHOE BINDING AND THE LIKE

Edward B. Luitwieler, Malden, Mass.

Application July 29, 1939, Serial No. 287,343

9 Claims. (Cl. 12—146)



1. The method of making shoe bindings and the like which comprises applying to one side of an absorbent textile strip a liquid waterproofing material sufficient in amount, viscosity and quick drying properties to seal the interstices among the threads and the fibers thereof without penetrating said strip to the opposite side thereof, drying said strip, and then coating the same side with liquid cement containing a substance which will slightly cut said dried material and which when itself dry is non-tacky and capable of being rendered tacky by treatment with a liquid solvent in which the dry first mentioned material is substantially insoluble.

2,269,215

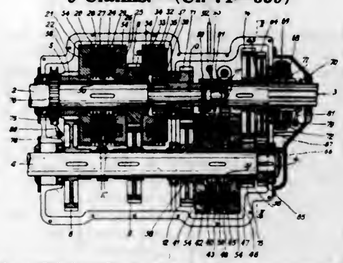
VEHICLE CHANGE-SPEED GEAR

Albert Maier, Friedrichshafen, Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany

Application April 29, 1939, Serial No. 270,785

In Germany May 19, 1938

9 Claims. (Cl. 74—359)



1. A vehicle change-speed gear comprising a driving shaft, a driven shaft coaxial with said driving shaft, a countershaft arranged parallel to said coaxial shafts, a main pinion train comprising a small pinion loosely mounted on the driving shaft, a second pinion of intermediate size loosely mounted for rotation independently of the drive shaft and driven shaft and capable of being coupled selectively to the drive shaft and the driven shaft, a third pinion of intermediate size but smaller than the second pinion keyed to the driven shaft, and a fourth pinion, of larger size than any of said first, second and third pinions, also keyed to the driven shaft, pinions constantly meshing with the first two pinions of the main train keyed to the countershaft, a pinion in constant mesh with the third pinion of the main train loosely mounted on the countershaft, and a further pinion in constant mesh with the fourth pinion of the main train also loosely mounted on the countershaft, means for coupling the first pinion of the main train to the drive shaft, means for selectively coupling the second pinion of the main train to the drive shaft and to the driven shaft, and means for coupling each of the loosely mounted pinions on the countershaft to the countershaft.

2,269,216

POLYVINYL ACETAL RESIN

James G. McNally and Russel H. Van Dyke, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 29, 1938, Serial No. 187,717

16 Claims. (Cl. 260—73)

1. A polyvinyl acetal resin in which the acetal linkages are formed in part from benzaldehyde acetal groups and in part from aliphatic aldehyde acetal groups, said resin having a hydroxyl group content equivalent to not more than about fifteen percent by weight of polyvinyl alcohol and an acetate group content equivalent to not more than about ten percent by weight of polyvinyl acetate.

2,269,217

MIXED POLYVINYL ACETAL RESIN

James G. McNally and Russel H. Van Dyke, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 29, 1938, Serial No. 187,718

12 Claims. (Cl. 260—73)

1. A polyvinyl acetal resin in which the acetal linkages are formed from a plurality of different aliphatic aldehyde acetal groups having not more than four carbon atoms, said resin having a hydroxyl group content equivalent to not more than about fifteen percent by weight of polyvinyl alcohol and an ester group content equivalent to not more than about ten percent by weight of polyvinyl ester.

2,269,218

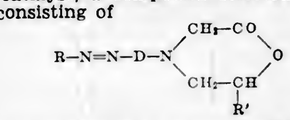
N-ARYL MORPHOLONE COMPOUND

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 8, 1940, Serial No. 364,870

8 Claims. (Cl. 260—247)

8. A process for preparing a lactone compound comprising hydrogenating, in the presence of a nickel catalyst, a compound selected from the group consisting of



wherein D represents an arylene radical selected from the group consisting of phenylene and naphthylene radicals, R represents an aryl group selected from the group consisting of phenyl and naphthyl groups, and R′ represents a member selected from the group consisting of hydrogen and alkyl groups.

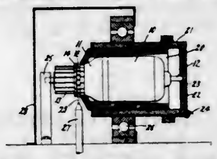
2,269,219

METHOD OF MAKING SOLDERED ELECTRICAL CONNECTIONS

William H. Miller, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 8, 1939, Serial No. 308,163

9 Claims. (Cl. 29—155.5)



1. The method of making a soldered electrical connection between elements of solderable material which includes cleaning an element formed of solderable material by forcibly contacting the surface of one element by a finely divided solderable material, and soldering together the elements.

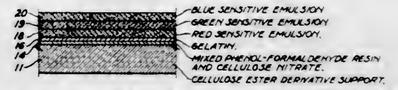
2,269,220

PHENOL-FORMALDEHYDE PHOTOGRAPHIC SUB

Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 14, 1940, Serial No. 352,568

6 Claims. (Cl. 95—2)



1. A photographic film of satisfactory flexibility for use in color photography having an adhesive, low-dye-retention subbing layer, which comprises, in order, a cellulose organic acid ester support, a subbing layer comprising a mixture of an organic-solvent-soluble phenol-formaldehyde resin and a material selected from the group consisting of gelatin and cellulose nitrate, a gelatin layer, and a light-sensitive colloid layer.

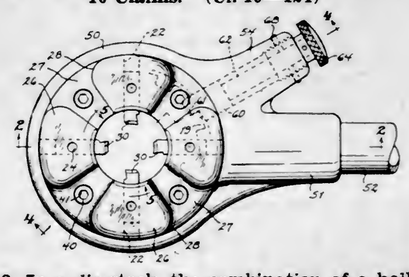
2,269,221

DIE STOCK

Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools Inc., Warren, Ohio, a corporation of Ohio

Application August 8, 1941, Serial No. 405,931

10 Claims. (Cl. 10—124)



2. In a die stock, the combination of a hollow barrel having a flat top with an opening through it, and having an opening at its bottom and having interior lugs forming a pipe guide, said barrel having an annular row of teeth on its cylindrical wall, a driving frame loosely embracing the barrel, and having a spring-pressed ratchet

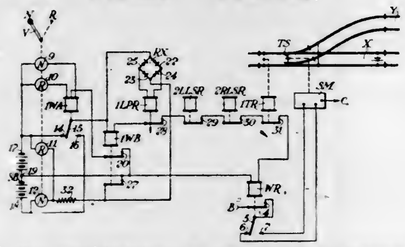
pawl to engage said teeth in either direction according to the position of the pawl, and a cap member formed with downwardly open parallel-sided radial notches, and with upwardly open, outwardly flaring notches between the radial notches, the cap member having a downward peripheral flange adapted to embrace the upper edge of the barrel, and chasers occupying the radial notches and resting on the flat top of the barrel and having projecting pins engaging holes in the top of the cap member.

2,269,222

RAILWAY TRAFFIC CONTROLLING APPARATUS

John M. Pelikan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 10, 1940, Serial No. 352,098
8 Claims. (Cl. 246—219)



1. In combination, a two-position manually operable control member for controlling a polarized control relay to a position of correspondence with the member, a railway traffic controlling device controlled to a position of correspondence with said control relay, a contact responsive to traffic conditions adjacent said device and closed only when conditions are favorable for operating said device, a two-position magnetic stick relay having a normal and a reverse position, means controlled by said control member for reversibly operating said two-position relay into correspondence with said member, another relay, and circuit means controlled by said two-position relay and including the winding of said other relay and said traffic controlled contact for energizing said polarized control relay with current of normal or reverse polarity according as said two-position relay is in its normal or reverse position respectively, said circuit means being effective upon movement of said control member to reverse the polarity of current supplied to said polarized control relay provided said other relay is energized to close its front contact, whereby to cause said polarized relay to operate to a position of correspondence with said control member when and only when said control member is moved during the interval that said traffic controlled contact is closed.

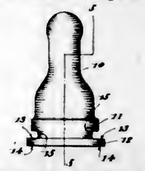
2,269,223

NIPPLE

Cyril R. Porthouse, Kent, and William B. McIntosh, Akron, Ohio, assignors to The Pyramid Rubber Company, Ravenna, Ohio, a corporation of Ohio

Application November 16, 1940, Serial No. 366,006
2 Claims. (Cl. 128—252)

1. An elastic nipple of the class described comprising a body having a base portion, the base portion having an annular base flange, the inner face of the nipple having oppositely located built-up portions to reduce the normal diameter of the inner portion of the base of the nipple and being adapted to cause the portion of the flange opposite the built-up portions to protrude beyond the normal diameter and contour of the flange when the nipple is flexed over the neck of a bottle thereby producing projecting



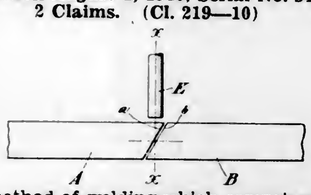
finger-gripping tabs to facilitate the removal of the nipple from a bottle, the projecting finger-gripping tabs being adapted to automatically merge into the normal contour of the flange when the nipple is removed from the neck of a bottle.

2,269,224

METHOD OF WELDING

Thomas W. Reilly, Elizabeth, N. J., assignor to Federal Shipbuilding and Dry Dock Company, a corporation of New Jersey

Application August 1, 1940, Serial No. 349,358
2 Claims. (Cl. 219—10)



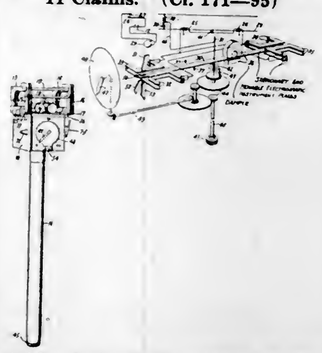
1. A method of welding which comprises forming the edges of the work-pieces to provide overlapping portions, juxtaposing the workpieces with an open space between them defined by the said formed edges, and traversing a welding electrode along a line located approximately midway between the overlapping portions of the pieces to be welded.

2,269,225

ELECTROSTATIC METERING APPARATUS

Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 21, 1938, Serial No. 247,075
11 Claims. (Cl. 171—95)



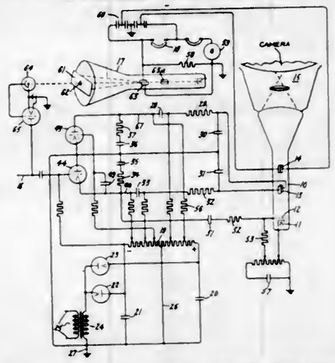
1. Portable electrostatic measuring equipment for use on high voltage lines comprising a housing, hook-on transformer means at the top of said housing for supporting the apparatus in measuring position on a cable, a hollow handle of insulating material extending downward from said housing, an electrostatic measuring instrument in said housing having a movable armature, a spring for opposing the electrostatic torque on said armature, insulating means extending through said handle for adjusting said spring and means observable from below said housing for indicating the adjustment of said spring in terms of the electrostatic torque on said armature.

2,269,226

CATHODE RAY OSCILLOGRAPH CONTROL

Nicholas Rohats, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application November 15, 1940, Serial No. 365,783
3 Claims. (Cl. 171—95)



1. A cathode ray oscillograph having control electrodes, control apparatus for initiating the operation of said cathode ray oscillograph at a selected time in the cycle of a cyclic varying phenomenon, comprising in combination with said oscillograph a second cathode ray oscillograph so operated as to cause its ray to be oscillated synchronously with such cyclic varying phenomenon, a photoelectric tube positioned so as to intercept such ray only at a selected point in its oscillation, means controlled by said tube in response to such ray interception for producing an electrical impulse, circuits including condensers having connections to the control electrodes of the first mentioned oscillograph, means for normally maintaining said condensers under predetermined charged conditions and electron discharge means ionized in response to such electrical impulse for disturbing the predetermined charged conditions of said condensers to thereby initiate operation of the first mentioned oscillograph.

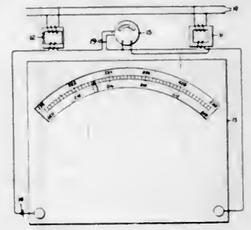
2,269,227

SHORT RANGE ELECTRICAL MEASURING APPARATUS

Ralph M. Rowell, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application July 6, 1940, Serial No. 344,283
6 Claims. (Cl. 171—95)

1. Electrical measuring apparatus for measuring electrical phenomena of alternating current circuits comprising a direct current type of electrical measuring instrument, rectifier means, a circuit including said rectifier means for energizing said instrument, and means for energizing said circuit by alternating current which varies in accordance with the phenomenon to be measured and also by an opposing alternating current of substantially constant magnitude whereby said instrument is energized by a direct current proportional to the difference between said alter-



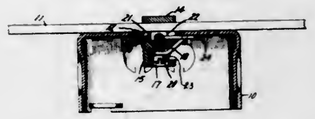
nating currents which flows through the instrument in the same direction regardless of which of said alternating current is the larger, said two alternating currents being made equal at one point in the measurement range of said apparatus.

2,269,228

FIXTURE STUD FOR OUTLET BOXES

Edward H. Rugg, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application August 27, 1940, Serial No. 354,370
5 Claims. (Cl. 248—298)



5. A mounting assembly for an outlet box having an opening in a wall thereof comprising, in combination, a stud member located in said opening and having a portion on the exterior of the outlet box provided with a recess for receiving a bar hanger therethrough, another portion of said stud extending into the interior of said outlet box, and being provided with a threaded extension, said threaded extension being provided with a hollowed-out portion separated from said recess by a web, a locking screw threaded into said web and being enclosed by said threaded extension within the hollowed-out portion, a clamping member having a curved bearing surface extending around a portion of the periphery of the opening in the wall of the outlet box and engaging the wall of the outlet box, said clamping member having a tongue portion extending into said hollowed-out portion and cooperating with said locking screw, the wall of the outlet box being clamped between the bar hanger and the bearing surface of said clamping member upon tightening of said locking screw.

2,269,229

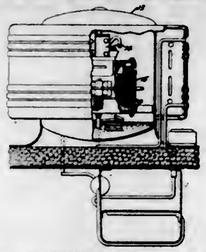
INSULATION OF ELECTRICAL APPARATUS

Ross M. Pfalzgraff, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application December 10, 1937, Serial No. 179,172
5 Claims. (Cl. 62—115)

1. An electrical unit comprising a fibrous covered winding impregnated and cemented between

individual turns with a cement comprising a solvent and plastic polymers of chloroprene, said



cement having an initial concentration of 25 to 30% by weight of solids therein.

2,269,230

ELECTRICAL CABLE

Manuel H. Savage, Bridgeport, and Lyman H. Hitchcock, Milford, Conn., assignors to General Electric Company, a corporation of New York

Application July 29, 1938, Serial No. 221,956

13 Claims. (Cl. 174—125)



1. An insulated electrical conductor comprising a metallic conducting core and a continuous covering of flexible thin-walled insulation of substantially uniform wall thickness enveloping said core, said insulation being the product of vulcanizing a composition having sufficient rigidity as to maintain the conducting core accurately centered during vulcanization in situ on said core, the said composition comprising 70 to 85% by weight of rubber, a reaction product of rubber and a halogen acid of tin, and a vulcanizing agent, said reaction product constituting not exceeding substantially 40 per cent by weight of the rubber in said composition.

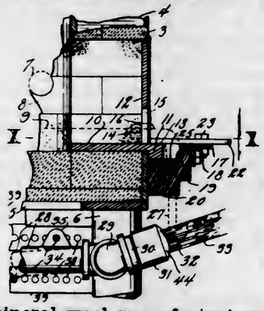
2,269,231

ROCK OR MINERAL WOOL MANUFACTURE

Clinton L. Savidge, Toledo, Ohio, assignor to Ohio Insulation Company, Toledo, Ohio, a corporation of Ohio

Application March 8, 1937, Serial No. 129,721

3 Claims. (Cl. 83—91)



1. In a mineral wool manufacturing installation embodying means for flowing a stream of molten mineral wool forming material, a nozzle adjustably positioned to discharge a fluid under pressure against said stream for breaking up the stream into fibers, means for adjusting said nozzle transversely and longitudinally relatively to said stream comprising a single handle connected to said nozzle, and means for supporting the handle for movement in two directions at right angles to each other.

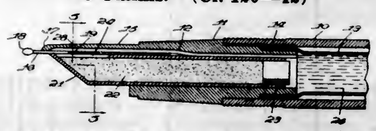
2,269,232

PEN

Frank A. Schreiner, Chicago, Ill.

Application May 26, 1941, Serial No. 395,261

5 Claims. (Cl. 120—42)



1. A pen assembly comprising a slit pen point, means for feeding water to one surface of the pen point adjacent the slit, and an ink cartridge on the other side of the pen point, the cartridge being provided with a narrow opening overlapping the slit.

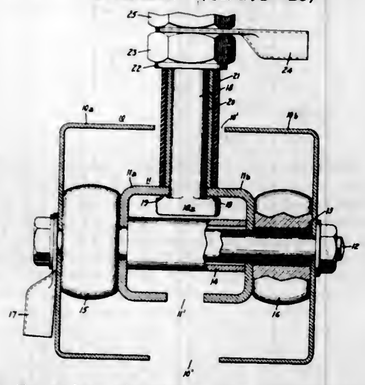
2,269,233

ELECTRICAL CONDUCTOR

Woldemar Specht, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application March 5, 1940, Serial No. 322,359

5 Claims. (Cl. 174—16)



1. In a bus structure, the combination comprising a hollow rectangular shaped conductor including a pair of spaced channel shaped members arranged parallel to one another with their open faces adjacent so as to define said hollow rectangular shaped conductor with a longitudinally extending ventilating slot therein, means for readily making a detachable electrical connection at any point on said conductor comprising an electrical connector having an enlarged end portion for engaging the inner surface of said hollow conductor adjacent said ventilating slot, and means for clamping said connector to the edges of said ventilating slot to make good electrical contact with said conductor.

2,269,234

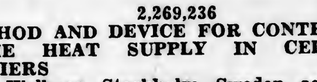
POLYMETHINE DYE INTERMEDIATES

Robert H. Sprague, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 18, 1940, Serial No. 361,765

17 Claims. (Cl. 260—304)

1. A polymethine dye intermediate selected from the group having the following general formula:



wherein R represents an organic radical selected from the group consisting of alkyl and aryl groups, R′ represents an alkyl group, X represents an acid radical, and Z represents the nonmetallic atoms necessary to complete a heterocyclic organic nucleus.

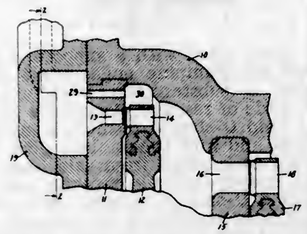
2,269,235

MULTISTAGE ELASTIC FLUID TURBINE

Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application December 22, 1939, Serial No. 310,509

3 Claims. (Cl. 253—69)



1. Multi-stage high pressure elastic fluid turbine comprising a first stage having a bucket wheel and a nozzle plate, a second stage, a valve chest with separate chambers for elastic fluid and a valve means for each chamber for separately conducting elastic fluid to several sections of the nozzle plate, said nozzle plates having openings in an outer portion of one section only for conducting elastic fluid from one of the chambers directly to a lower stage to permit operation with high rate of elastic fluid flow without overloading the first stage.

2,269,236

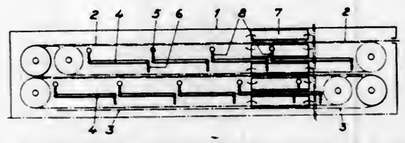
METHOD AND DEVICE FOR CONTROLLING THE HEAT SUPPLY IN CELLULOSE DRIERS

Sven Wellmar, Stockholm, Sweden, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden

Application March 29, 1940, Serial No. 326,815

In Sweden March 2, 1939

2 Claims. (Cl. 34—41)



1. A method of drying a continuous web comprising passing it in zig-zag fashion back and forth through a drying chamber, applying heat to both sides of said web between adjacent stretches of said web, and independently varying the quantity of heat supplied to small increments of the web longitudinally and transversely of the web to effect drying thereof to a uniform moisture content.

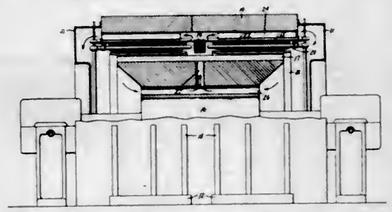
2,269,237

COOLING ARRANGEMENT FOR DYNAMO-ELECTRIC MACHINES

Robert W. Wieseman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 31, 1939, Serial No. 302,144

10 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising a frame member, a split core member mounted therein and end frames forming with said frame member a totally enclosed casing for said machine, a rotatable member, slots in said core member forming teeth, a winding in said slots, said core member and said frame member having longitudinal passages extending from the split to said end frames, means for circulating gas radially through the split in said core member and then axially through said passages in said frame member, and means for supplying cooling liquid to said passages in said core member and frame member.

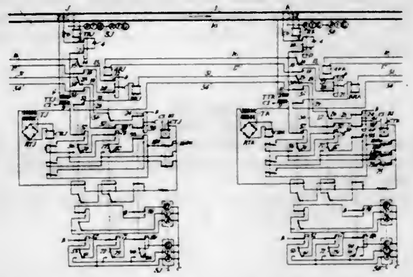
2,269,238

RAILWAY TRAFFIC CONTROLLING APPARATUS

Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

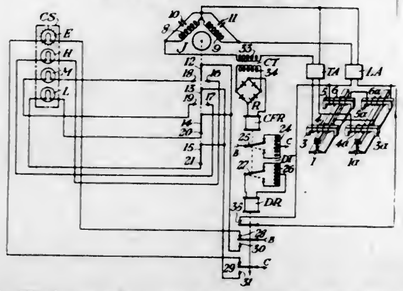
Application June 15, 1940, Serial No. 340,808

19 Claims. (Cl. 246—63)



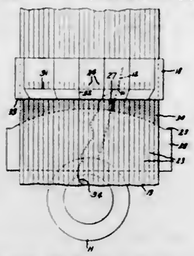
1. In combination, a section of railway track having its two track rails connected in a series or a train-shuntable track circuit, a source of periodic current for said track circuit, means responsive to predetermined conditions for supplying said circuit with current from said source periodically interrupted at one or another of a plurality of rates of coding and for at times additionally supplying to said circuit uninterrupted current from said source, and railway traffic controlling apparatus receiving energy from the rails of said section and selectively controlled in accordance with the rate at which the coded component of current in the track rails is coded and also in accordance with the presence or absence of the uninterrupted component of current in the track rails.

2,269,239
RAILWAY TRAFFIC CONTROLLING APPARATUS
Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 27, 1940, Serial No. 347,969
7 Claims. (Cl. 246—63)



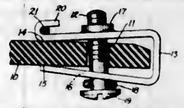
1. Train-carried apparatus for use with a stretch of trackway supplied with two trackway currents one of which at times is coded and which currents comprise track circuit current supplied to the two track rails in series and loop circuit current supplied to the two track rails in multiple, the combination with two train-carried receivers one for said track circuit current and the other for said loop circuit current, and a three-position relay having two elements selectively energized by said two receivers and which relay selectively operates to a first position or a second in accordance with the phase relation of currents in said two elements and to a third position when either of said two elements is deenergized, of a code responsive relay supplied with current from the one of said two receivers that picks up the coded one of said two currents, code detecting means controlled by said code responsive relay, means controlled by said code detecting means when detecting code for deenergizing one of said two elements of said three-position relay, and traffic controlling apparatus on the train controlled by said two-element relay and said code detecting means.

2,269,240
RECORDING INSTRUMENT
Henry A. Andersen, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application December 1, 1939, Serial No. 307,093
2 Claims. (Cl. 234—70)



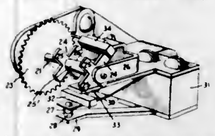
2. An indicating and recording measuring instrument comprising a movable translucent chart and a transversely movable pointer behind the chart, a light source behind the pointer and chart, a scale plate in front of said chart with a platen on the back of the scale plate, means for driving said pointer and chart together against the platen on the back of said scale plate for making a record on the chart, said light source being placed to illuminate the back surface of the chart adjacent the scale plate, whereby a shadow of said pointer is visibly cast on said chart whenever the pointer is driven against the chart in order to produce an indication of the measured value before the mark corresponding thereto has emerged from behind the scale plate.

2,269,241
TERMINAL CONDUCTOR
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 24, 1940, Serial No. 371,493
4 Claims. (Cl. 173—259)



1. In combination with a support, a terminal conductor for clamping engagement therewith comprising a substantially U-shaped contact member made of resilient electrically conducting material, said U-shaped member being provided with a base and with two straight sides converging toward each other from said base to their ends, said ends frictionally engaging said support to hold said U-shaped member upon said support, said base separating the opposite ends of said sides at their juncture with said base by a distance substantially greater than the thickness of the support, one of said sides being provided with an internally threaded aperture and the other of said sides being provided with an aligned aperture, and a clamping screw passing through said apertures and said support to connect said sides and having a head portion cooperating with one of said sides for drawing said sides toward each other into clamping engagement with said support throughout substantially their entire lengths, said sides having sufficient resiliency to resume substantially said straight shapes when said clamping screw is removed thereby to lock said clamping screw and to form with said head portion a clamp for receiving an electric conductor.

2,269,242
MAGNETIC CONTACT DEVICE
Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application November 5, 1940, Serial No. 364,379
5 Claims. (Cl. 200—19)



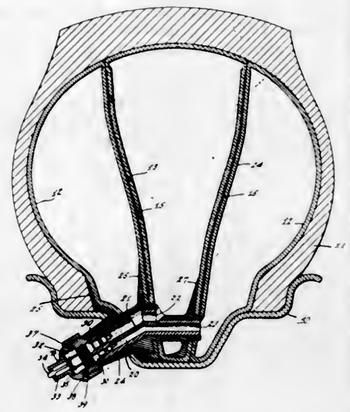
1. A contact-making device comprising a rotatable shaft carrying a pair of axially spaced cross-shaped armatures of permeable magnetic material having arms of equal length and a switch consisting of a stationary contact and a movable contact secured to a permanent magnet, the switch being so positioned in relation to the rotatable shaft that the projecting arms of the armatures come within the magnetic field of the permanent magnet as the shaft is rotated in order to cause the magnet to be attracted and to be released alternately as the armature projections pass the magnet to cause the contact to be opened or closed according to the angular position of the rotatable shaft.

2,269,243
PREPARATION OF OILS CONTAINING ANTIOXIDANTS
James G. Baxter, Rochester, N. Y., and Jakob L. Jakobsen, Minneapolis, Minn., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application March 8, 1939, Serial No. 260,584
5 Claims. (Cl. 260—424)

1. The method of preparing a natural antioxidant concentrate from a vegetable or animal oil which contains a natural anti-oxidant without simultaneously causing substantial destruction of anti-oxidant which comprises in combination, treating the oil with a member of the group consisting of weak inorganic and organic acids, whereby the impurities in the oil are coagulated, separating the oil from these impurities, subjecting it to high vacuum, unobstructed path distillation and removing a fraction containing the anti-oxidant.

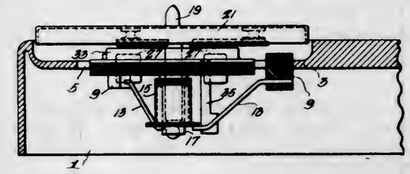
2. The process of refining an animal or vegetable oil which contains a natural anti-oxidant without causing substantial destruction of the anti-oxidant content thereof which comprises treating the oil with an organic polybasic acid, whereby the impurities in the oil are coagulated and deposited as a sludge, separating the oil from the impurities, subjecting the oil to high vacuum unobstructed path distillation and separating a fraction of the oil which contains at least a part of the natural antioxidant.

2,269,244
TIRE
Bernie B. Berry, Indianapolis, Ind.
Application November 25, 1938, Serial No. 242,137
3 Claims. (Cl. 152—342)



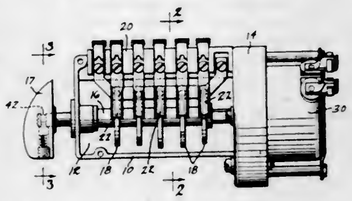
2. In a pneumatic tire, an inner tube, one or more flexible annular partitions generally parallel to the median plane of said tube and dividing the interior thereof into compartments, a valve body of rigid material extending generally perpendicularly to the median plane of the tube through the wall thereof and through each of said partitions, said valve body being provided with a plurality of longitudinal passages communicating respectively with said compartments and extending through the valve body to a point outside the tube.

2,269,245
MOTOR
Gregory W. Blessing, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1939, Serial No. 292,998
6 Claims. (Cl. 248—18)



1. In combination, a motor board having a plurality of openings therein, a motor including a frame having a plurality of outwardly extending, circumferentially distributed arms, and rubber coupling means extending through each of said openings and supported by said motor board, the free ends of said arms being received in said coupling members, and said coupling members constituting the sole connection between said frame and said motor board.

2,269,246
CONTROL DEVICE
John J. Bloomfield, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application June 19, 1939, Serial No. 279,895
4 Claims. (Cl. 200—33)

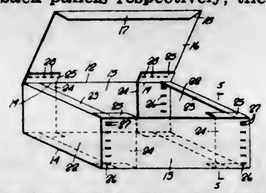


1. In a control device having switch means, rotatable cam means for operating the switches, a motor, and connections between the motor and the cam means for driving the cam means in one direction including a one-way drive device, a manually rotatable indicating knob, and connections between the knob and the cam means including a one-way drive device for driving the cam in the same direction, said indicating knob also being rotatable by said motor through said cam means.

2,269,247
REINFORCED SHIPPING BOX
John E. Borah, Penn Township, St. Joseph County, Ind.
Application November 16, 1939, Serial No. 304,641
4 Claims. (Cl. 229—23)

1. A box having a main blank forming front,

bottom, back and cover panels, a pair of end blanks, said end blank each having marginal flanges secured to the margin of said front, bottom and back panels respectively, the front and



back flanges being wider than the bottom flanges and having flaps folded from the ends thereof to engage and reinforce the cover and bottom, and binding members encircling the box at points reinforced by said last named flaps and flanges.

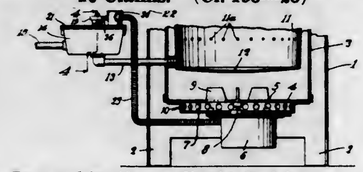
2,269,248

CONTROL DEVICE FOR BURNERS

James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application May 20, 1940, Serial No. 336,223

10 Claims. (Cl. 158—28)



1. In combination, a liquid fuel burner, a float chamber, means for delivering liquid fuel thereto, a liquid fuel line extending from said float chamber to said burner, means for supplying air to said burner, including a motor, and a motor circuit therefor, a valve in said float chamber, adapted to control the flow of liquid fuel from the float chamber to the burner, means for adjusting the setting of said valve, including an exterior manually operable rotatable knob, and means for controlling said motor circuit in predetermined relationship to the movement of said valve, including a switch in said circuit, and means for actuating said switch in response to rotation of said knob the switch actuating means being adapted to close the switch in response to rotation of the knob only after substantial opening of the valve has taken place.

2,269,249

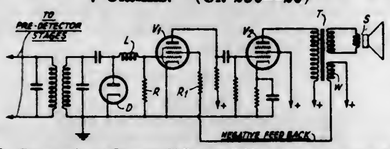
CONTROLLED FEEDBACK CIRCUIT

Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 29, 1938, Serial No. 242,885

In Germany December 16, 1937

7 Claims. (Cl. 250—20)



4. In a signal amplifier of the type comprising a tube having at least a cathode, signal grid, screen grid and plate, a signal input circuit coupled to the signal grid, a signal output circuit coupled to the plate, and means for feeding back to the screen grid from the output circuit a signal potential in degenerative phase with the signal potential applied to the signal grid, said feedback means including a resistive impedance whose magnitude is substantially equal to the screen grid to cathode resistance and means for varying the gain of said tube in such a manner as to vary the magnitude of said resistance sufficiently to adjust said degenerative potential value.

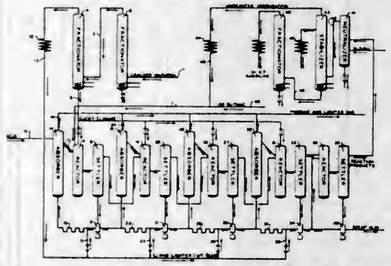
2,269,250

ALKYLATION OF HYDROCARBONS

Frank H. Bruner, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application May 11, 1939, Serial No. 273,072

16 Claims. (Cl. 196—10)



1. A process for alkylating isoparaffin hydrocarbons with olefin hydrocarbons, including C_4 and C_3 olefins, which comprises subjecting a hydrocarbon fraction comprising olefins and paraffins having four and more carbon atoms per molecule, to contact with a liquid alkylation catalyst in the presence of an isoparaffin hydrocarbon in a reaction stage maintained under pressure sufficient to maintain C_4 hydrocarbons in the liquid phase, continuously withdrawing a stream of used catalyst from the reaction stage, injecting in said stream a C_3 and lighter hydrocarbon fraction comprising olefins and non-olefins such that olefins are absorbed and non-olefins rejected, removing the rejected hydrocarbons, and returning the stream containing absorbed olefins to the reaction stage.

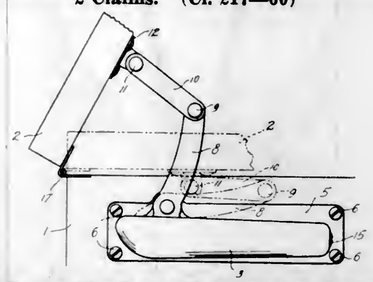
2,269,251

LID SUPPORT

Benjamin R. Carson, Camden, N. J., assignor to Morton Tucker, Magnolia, N. J.

Application March 18, 1939, Serial No. 262,663

2 Claims. (Cl. 217—60)



1. In combination with a cabinet having a hinged lid, a compensating lid support comprising a casing secured to a wall of said cabinet, said casing having a slot therein, a lever of the first class pivotally carried by said casing and having one end extending through said slot into the interior of said casing, a link pivotally attached to said lid, said link being pivotally connected to said lever at its other end, and a coil spring concealed within said casing, said spring having one of its ends secured to the first named end of said lever and having its other end secured to said casing, and said lever and said link being so constructed and arranged relative to each other that when said lid is in closed position said link lies substantially in line with the lid hinge whereby said lever effects a locking action on said lid through said link in response to said spring.

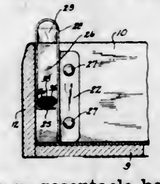
2,269,252

LUGGAGE TRAY

William C. Chesnut, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin

Application October 20, 1938, Serial No. 235,989

4 Claims. (Cl. 190—41)



2. In a luggage receptacle having a bottom, a back, and side walls, brackets mounted in the back corners of said receptacle, each bracket comprising a strip of metal bent to U form to provide a vertically extending elongated trunnion receiving opening having a closed upper end which projects above the upper edge of the back wall of the receptacle, one leg of the U having an integral attaching plate projecting from an edge of said leg and projecting no higher than the upper edge of the side wall, and means extending through said plate for attaching said bracket to a wall of the receptacle.

2,269,253

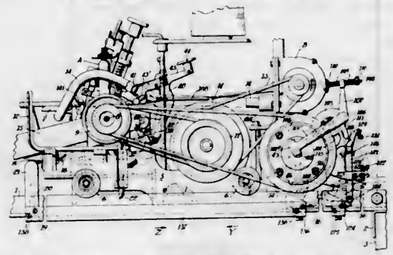
PIECE-END STITCHING MACHINE

Herbert Corrall, St. Alban, Helensburgh, and James Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 13, 1939, Serial No. 303,996

In Great Britain November 14, 1938

11 Claims. (Cl. 112—2)



1. In a travelling sewing machine outfit, a railway, a wheeled carriage on said railway, a sewing machine mounted on said carriage and including stitch-forming mechanism and variable stitch-length work-feeding mechanism, variable speed driving means independent of said variable work-feeding mechanism to propel said carriage along said railway at different speeds, and interconnected governing devices to concomitantly and commensurately vary the work-feeding speed of the sewing machine work-feeding mechanism and the speed at which said carriage is propelled along said railway independently of said work-feeding mechanism.

2,269,254

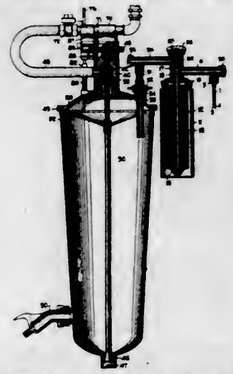
MACHINE FOR MANUFACTURING EGG PULP

Harold Harcourt Cribb, Glenside, South Australia, Australia, assignor to Vacuum Extractors Limited, Adelaide, South Australia, Australia, a corporation of South Australia

Application October 16, 1940, Serial No. 361,416

In Australia November 11, 1939

20 Claims. (Cl. 146—2)



1. For manufacturing egg pulp a machine comprising; a hollow needle adapted to be inserted into an egg, a sloping floor closing the lower end of the needle, an aperture in the side of the needle communicating with the hollow therein and disposed immediately above the lower part of the sloping floor, a container for the egg pulp, means for placing the container into communication with suction means, and a connection between the needle and the container for placing the hollow of the needle into communication with the container.

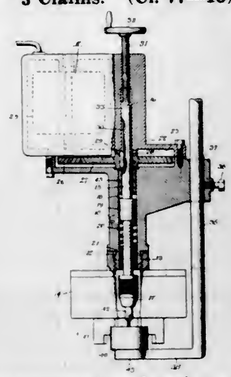
2,269,255

COUNTERSINK

Camille H. Duthoit. New York, N. Y.

Application December 21, 1940, Serial No. 371,171

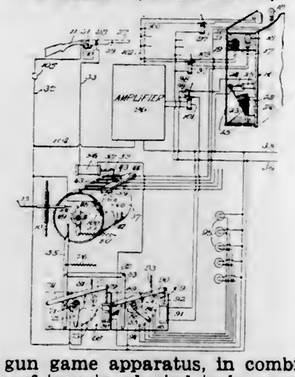
3 Claims. (Cl. 77—18)



1. In a countersink, a housing, a bore in said

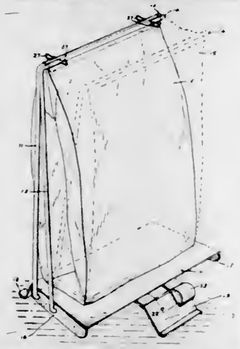
housing, a threaded end on said housing, a work-holding chuck engaging said threaded end, a shaft positioned in said bore and extending into said chuck, bit-holding means on the end of said shaft, means for rotating said shaft, and additional means for moving said shaft as it is rotated towards said work-holding chuck, said means comprising a screw mounted in said housing and engaging the other end of said shaft.

2,269,256
GUN GAME
John F. Eakins, Evanston, Ill., assignor to Albert G. McCaleb, Evanston, Ill.
Application December 30, 1936, Serial No. 118,210
1 Claim. (Cl. 273—101.1)



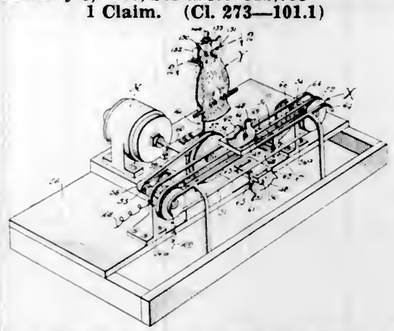
In a gun game apparatus, in combination, a plurality of targets adapted to be energized one at a time, a circuit connected to each target, a contact drum having a plurality of contacts adapted to complete said circuits one at a time, said contacts being arranged irregularly upon the drum, a coin slide for freeing the apparatus for play, and means cooperating with the coin slide for rotating the drum to a random initial position.

2,269,257
REFUSE CONTAINER
James M. Edwards, Flint, Mich.
Application April 24, 1939, Serial No. 269,707
11 Claims. (Cl. 248—147)



11. In combination, a flexible disposable container for receiving refuse and the like comprising a sack having four sides, an opposed two of which are cut down from the other two longer sides at the top, and a holder for said sack comprising a base, upright means on said base adapted to removably support the top of said container, said means being relatively movable, means arranged to hold the upright members together whereby the top edges of the two longer sides of the sack are tightly together with the other opposed sides collapsed below the line of contact, and a pedal for shifting said upright means to open said container, said container being dimensioned such that, when the top portion is supported by the upright means, the lower portion of said container will rest on and receive support from the base.

2,269,258
TARGET RIFLE RANGE
William P. Falkenberg, Hollywood, Calif., assignor to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Substituted for abandoned application Serial No. 114,669, December 7, 1936. This application January 6, 1940, Serial No. 312,783
1 Claim. (Cl. 273—101.1)

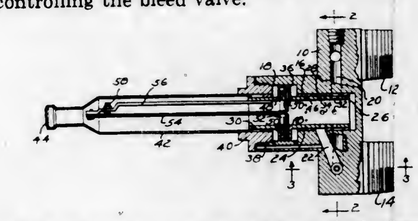


In a target device, a target member, a light sensitive member, a light projecting gun, means responsive to the accurate aiming and firing of the gun at the target member for projecting a light beam upon the light sensitive member which changes the current flow characteristics of the light sensitive member, a shot counting means, a hit indicating means, an electric circuit including the shot counting means, means for energizing the circuit to cause the shot counting means to count a shot each time the gun is fired, an electric circuit including the hit indicating means, means for energizing the circuit whenever the current flow characteristics of the light sensitive member are changed to cause the hit indicating means to indicate a hit, means controlled by the shot counting means for making the entire target device inoperative after a predetermined number of shots have been fired, a starting switch controlled by the operator and independent of the shooting of the gun for resetting the various elements of the target mechanism to permit firing a successive series of shots, means actuated in response to the accurate aiming and firing of the gun and independent of the operator control of the starting switch for resetting the various elements of the target mechanism to permit the firing of an additional number of shots.

2,269,259
MIXING DEVICE
George C. Fields, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application February 1, 1939, Serial No. 254,126
9 Claims. (Cl. 236—12)

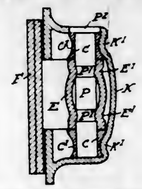
1. A mixing device comprising a body formed

with inlet ports for a plurality of fluids to be mixed, a control member movably mounted in the body for controlling the relative areas of said ports, a piston carried by said control member, means for conducting fluid under pressure from one of said inlet ports to both sides of said piston, a bleed valve carried by said member for relieving the pressure from either side of said piston, and means carried by said member and sensitive to a characteristic of the mixed fluids for controlling the bleed valve.



9. A mixing device comprising a body formed with inlet passages for a plurality of fluids to be mixed and with a mixing chamber having ports connecting it to the inlet passages, means responsive to a characteristic of the mixed fluids to control the relative areas of said ports, piston shut-off valves in said passages operated by the pressure of the fluid, magnetic means operable from a remote point to control the shut-off valves, a by-pass between the inlet passages posterior to the valves, and an extension on one of the shut-off valves to control the by-pass.

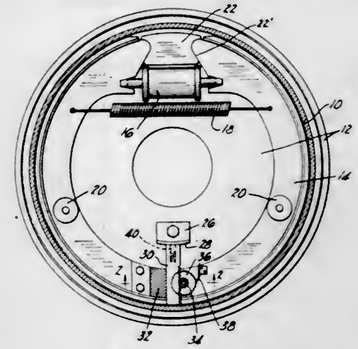
2,269,260
DUPLEX CONCEALED HINGE
Otto C. Gessler, Detroit, Mich.
Application May 27, 1940, Serial No. 337,393
3 Claims. (Cl. 16—135)



1. A hinge for doors comprising a stationary member having a substantially cylindrical housing including a pair of hinge knuckles spaced apart to provide an opening therebetween and having a pair of overlapping flanges for attachment to a support; a hook-shaped movable member having a flange for attachment to a door and terminating in an eye adapted to fit between said knuckles; and a pintle pin passing through said eye and said knuckles so as to retain them in cooperative relation, said pin having a pair of annular grooves into which the material of said eye is pressed to form a permanent assembly and having projecting ends pivotally engaging said knuckles, the inner wall of said eye surrounding said pin between said grooves being extended outwardly from said pin whereby to provide a chamber adjacent said pin.

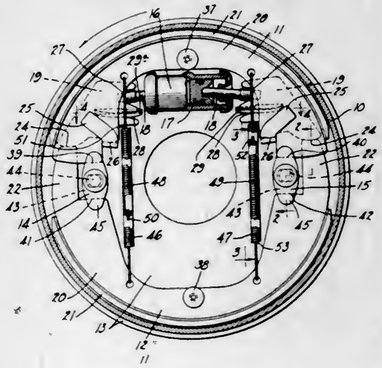
2,269,261
BRAKE
George A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 28, 1940. Serial No. 321,191
11 Claims. (Cl. 188—79.5)

10. A brake comprising, for use in combination with a drum, an expansible friction device adapted to anchor at either end thereof, automatic adjustment means for determining the position of the friction device in the drum in accordance with wear, said means having a part actuated by



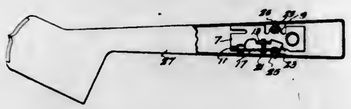
engagement with the drum and having a member set by the said drum actuated part, and an anchorage formed to cause wear-compensating expansion of the friction device in released position as the position of the friction device is changed by the adjustment means.

2,269,262
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 27, 1940, Serial No. 331,955
8 Claims. (Cl. 188—152)



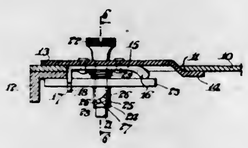
1. A brake comprising a pair of shoes arranged to anchor individually at opposite ends in forward and reverse braking, a wheel-cylinder hydraulic applying device, and two balanced-thrust mechanical devices operated by the hydraulic applying device and each of which acts with balanced thrusts on the ends of the shoes at one side of the brake, the hydraulic device being fixedly mounted and the mechanical devices each comprising a lever having its body portion on one side of the web of one of the shoes and having a portion folded over the web to hold the said lever in alignment with the shoe and to provide a pivot for the lever on the shoe web.

2,269,263
PHONOGRAPHIC APPARATUS
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1940, Serial No. 358,758
6 Claims. (Cl. 274—1)



1. In phonographic apparatus, a pickup arm, and a mounting therefor, said mounting including a base, a rigid member on said base, a bearing element carried by said rigid member, a resilient member carried by said base in spaced relation to said rigid member, and a second bearing element carried by said resilient member in substantially axial alignment with said first-named bearing element, at least one of said members being adjustable on said base relative to the other of said members for varying the spacing of the bearing elements carried thereby, and said arm being pivotally carried by said bearing elements.

2,269,264
SWING LOCK FASTENER
Albert Haim, Upper Darby, Pa.
Application March 4, 1941, Serial No. 381,606
3 Claims. (Cl. 292—62)

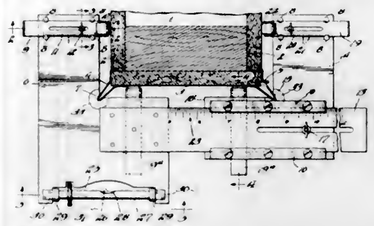


3. A swing lock fastener including a post rotatably mounted on a supporting member, a bar slidably and rotatably mounted on said post, a sleeve carried by said bar and having a smooth bore and embracing the post for rotary and sliding movements on said post, a cam surface on said sleeve, a shoulder at the low end of said cam surface, means to arrest the forward rotary movement of the bar, means to temporarily arrest the backward rotary movement of said bar, means on the post cooperating with the cam surface and the shoulder, and means to urge the bar away from said supporting member.

2,269,265
STABILIZED REFINED PETROLEUM PRODUCT
Lyle A. Hamilton, Wenonah, and Everett W. Fuller and Henry G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 14, 1939, Serial No. 309,190
19 Claims. (Cl. 252—47)

1. An improved petroleum product comprising a refined viscous petroleum fraction normally subject to deterioration under conditions of oxidation and in admixture therewith a minor proportion, sufficient to retard said deterioration, of the reaction product obtained by reacting an N-substituted dialkyl aromatic amine with a halide of sulfur.

2,269,266
GAUGE
Herbert Hammerl, Arlington Heights, Ill.
Application June 3, 1940, Serial No. 338,503
6 Claims. (Cl. 33—85)



1. A gauge for setting the corner beads in an archway so that the tips of the beads extend a certain distance horizontally and vertically from the wall containing the archway and are in a horizontal plane below the top of the archway, comprising, a pair of L-shaped base members each having a slot at the junction of the two portions of the member adapted to engage the corner bead to support the member thereon, a slotted rule fixed on one of said members and projecting therefrom, guides on the other one of said members engaging said rule to mount said other member thereon, a bolt and nut on said other member and extending through the slot in the rule and engaging the rule to lock said other member with respect thereto, gauge means on said members engaging the vertical surfaces of the wall adjacent to the archway to position the beads horizontally, and other gauge means on said members engaging the horizontal surface of the wall in the archway to position the beads vertically.

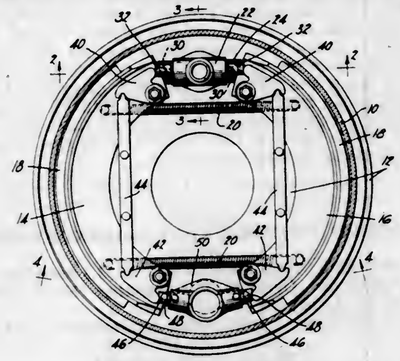
2,269,267
PHONOGRAPH RECORD
James H. Hunter, Lansdowne, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application May 31, 1938, Serial No. 211,083
3 Claims. (Cl. 260—41)

1. A composition of matter comprising a moldable material having a resin base and a filler consisting of carbon black having an oil absorptive index of the order of 65.

2,269,268
BRAKE
John Samuel Irving, Birmingham, England, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 15, 1939, Serial No. 279,266
In Great Britain September 5, 1938
10 Claims. (Cl. 188—78)

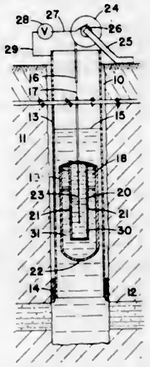
1. A device for use in a brake or the like to transmit thrust between a shoe having a web member and an adjacent stationary member, comprising a plunger movably mounted for lengthwise adjustment or movement in said stationary member and having its end slotted and embracing the end of said web member, and a trunnion mounted in the slotted end of said

plunger and having angularly-adjustable engagement with the end of one of said members and



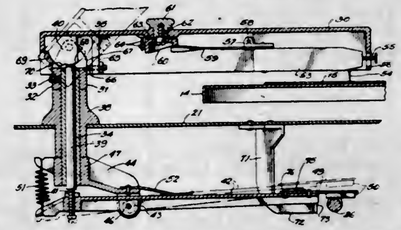
formed with a flat face engaging the end of the other of said members.

2,269,269
WELL LOGGING
Frank W. Jessen, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 15, 1940, Serial No. 345,527
6 Claims. (Cl. 175—182)



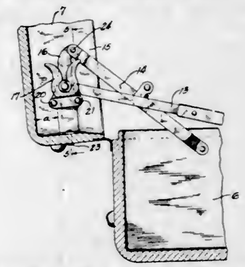
1. A device for locating the discontinuities of the metal forming a metal conduit comprising a container having in its walls at least one passage of capillary dimensions, a second container of smaller dimensions than the first arranged inside of said first container and provided with at least one passage in its walls of capillary dimensions, a metal strip arranged within said second container, an electrolytic solution arranged within said container for contact with said metal strip, the cation of said electrolyte being the same metal as that of which said strip is composed, an electrolyte in the space between said first and second cell, the cation of which is the same metal as that forming the major portion of said casing, a single conductor electrode arranged to support said cell with one end of the conductor of said cable electrically connected to said metal strip, the other end of the conductor of said cable being attached to a potentiometer and an electrical connection between said potentiometer and the metal of said conduit.

2,269,270
PHONOGRAPH RECORDER
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, a corporation of Illinois
Original application April 15, 1940, Serial No. 329,591. Divided and this application January 27, 1941, Serial No. 376,083
11 Claims. (Cl. 274—13)



1. In a recorder for phonograph records including a turntable, a recorder arm, a lead screw and a member engaging said lead screw and arranged to move the recorder arm over the record blank, in combination, a latch member adapted to cooperate with said lead screw engaging member to hold the recorder arm in inoperative position and laterally displaced from the turntable, said latch member being provided with a cam surface in the path of said lead screw engaging member and adapted to raise the lead screw engaging member out of engagement with the lead screw during the outward movement of the recorder arm.

2,269,271
LUGGAGE MANUFACTURE
Joseph Kiefer, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application October 3, 1938, Serial No. 232,981
2 Claims. (Cl. 190—41)



1. In combination, a suitcase comprising a main section and a cover section hinged thereto, said cover having side walls and a back wall, collapsible metal cover stays having ends pivotally connected to the main section and having opposite ends extending adjacent the side walls of the cover, an elongated bracket positioned against each side wall of the cover to extend longitudinally of said wall, the outer end of each bracket having a cover stay pivot opening therein, a U-shaped garment supporting frame having its ends pivotally connected to said brackets below the cover stay pivot openings, a hanger supporting socket piece secured to each bracket with its bearing portion in substantial axial alinement with and offset inwardly of the suitcase from said pivotal connection for the garment frame, each bracket having a lower angularly bent apertured flange positioned against the back wall of the cover to positively locate the

cover stay pivot opening of the bracket, the socket piece, and the pivotal connection for the garment frame a predetermined distance from the back wall of the cover along the adjacent side wall, means extending through the flange aperture of each bracket for securing the flange to the back wall of the cover, and means extending through the cover stays and through the cover stay pivot openings in the brackets for pivotally connecting the cover stays to the side walls of the cover and for also connecting the brackets to said side walls.

2,269,272

INSECTICIDE

Oswald Krefft, Hamburg, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y.

No Drawing. Application March 11, 1940, Serial No. 323,385. In Germany March 3, 1939

6 Claims. (Cl. 167—33)

1. An insecticide comprising essentially a combination made of a N-heterocyclic compound having only slight insecticidal effect upon the larvae of the yellow fever mosquito selected from the group consisting of pyrolle derivatives, pyridine derivatives, carbazole, quinoline, acridine, hydrogenation products of the foregoing and substitution products of the foregoing and an O-heterocyclic compound having only slight insecticidal effect upon the larvae of the yellow fever mosquito selected from the group consisting of pyrone, condensation products thereof with aromatic nuclei and substitution products thereof, said combination being characterized by a greatly enhanced insecticidal effect on the larvae of the yellow fever mosquito as compared with that of either of said compounds.

2,269,273

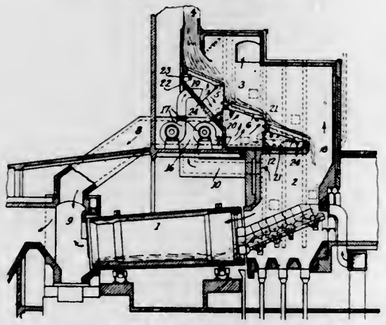
APPARATUS FOR PREDRYING OF WASTE FUEL IN FURNACES

Kristian Poulsen Krogh, Charlottenlund, near Copenhagen, and Christian Henrik Biering, Copenhagen, Denmark

Application January 19, 1938, Serial No. 185,648

In Denmark January 20, 1937

7 Claims. (Cl. 110—8)



1. In a furnace for burning refuse, a refuse predrying apparatus for drying the refuse in a single layer and comprising a grate consisting of longitudinal grate bars disposed above the combustion chamber of the furnace and movable means for imparting reciprocatory longitudinal movement to said grate bars to move the refuse forward in a one way continuous stream along the grate, said grate being subdivided into a plurality of sections vertically offset in step-wise relation to and in continuation of each other in the direction of the movement of the fuel the said sections being at such height one above the other that the refuse during its passage over the grate will fall a substantial distance from one section to the next succeeding section thereby to cause the refuse to turn and be thoroughly mixed, and below the said grate for each of said sections a separate compartment being arranged for supplying a combustion gas and air mixture through the single layer of the refuse as it moves on said sections for drying said refuse.

2,269,274

METHOD OF PURIFYING 2-AMINOPYRIMIDINE

Erwin Kuh, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 5, 1941, Serial No. 409,651

6 Claims. (Cl. 260—251)

1. A method of recovering 2-aminopyrimidine from aqueous solutions which comprises reacting the 2-aminopyrimidine in solution with sulfur dioxide until an insoluble sulfite is formed and recovering the 2-aminopyrimidine sulfite by filtration.

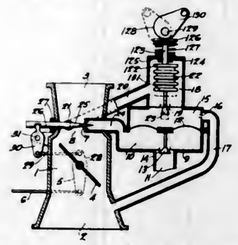
2,269,275

CARBURETOR

Johan Lichtenstein, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland, a corporation of Switzerland

Original application February 5, 1936, Serial No. 62,499. Divided and this application January 5, 1940, Serial No. 312,613. In Belgium February 8, 1935

3 Claims. (Cl. 261—69)



1. In a carburetor having an induction passage, a throttle controlling the passage, a fuel nozzle discharging into said induction passage, a fuel chamber supplying fuel to said nozzle and having an inlet, a valve in the inlet, a suction chamber, diaphragm means forming movable walls of said chambers and operatively connected to said valve, and means for varying the suction in said suction chamber to thereby vary the pressure in the fuel chamber comprising conduits connecting the suction chamber with the induction passage respectively anterior and posterior to the throttle, and means including a manometric capsule responsive to variations in the pressure in the induction passage for automatically varying the relative effective cross sections of said conduits: in combination therewith of an independently operable manual means for further varying the relative effective cross sections of said conduits comprising a spring urging the capsule as a unit in one direction, and a pivotally mounted cam having a control lever connected thereto and operable at the will of the operator from a point

remote from the engine during substantially all operating conditions for moving said capsule as a unit in opposition to said spring.

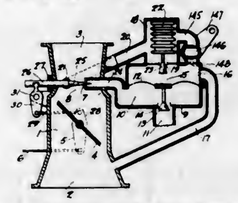
2,269,276

CARBURETOR

Johan Lichtenstein, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland, a corporation of Switzerland

Original application February 5, 1936, Serial No. 62,499. Divided and this application January 5, 1940, Serial No. 312,614. In Belgium February 8, 1935

3 Claims. (Cl. 261—69)



3. A charge forming device for an internal combustion engine, including an air supply passage, a throttle therein, a fuel chamber closed by a diaphragm, means for discharging fuel from said chamber into the passage, a suction chamber closed by a diaphragm, means responsive to the pressure in said suction chamber for controlling the pressure in the fuel chamber, and means for varying the pressure in the suction chamber comprising a suction conduit connecting said suction chamber and the air supply passage posterior to the throttle, a variable restriction in said conduit, means responsive to pressures derived from the air supply passage posterior to the throttle for controlling said variable restriction, an air conduit connecting the suction chamber with the air passage anterior to the throttle, a calibrated orifice in said air conduit, a bypass passage around said variable restriction, a second bypass passage around the calibrated orifice, and manually operable means for controlling said bypass passages, said manual means being effective to simultaneously decrease the effective cross-section of one of the bypass passages while increasing the effective cross-section of the other of said bypass passages.

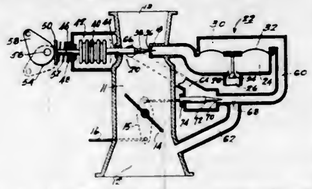
2,269,277

CARBURETOR

Johan Lichtenstein, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland, a corporation of Switzerland

Original application February 5, 1936, Serial No. 62,499. Divided and this application January 5, 1940, Serial No. 312,615. In Belgium February 8, 1935

3 Claims. (Cl. 261—69)



1. In a carburetor for an aircraft engine, an

air supply passage, a throttle therein, a fuel conduit discharging in the passage posterior to the throttle, a fuel chamber supplying fuel to the conduit, means including a movable member for varying the effective cross section of the fuel conduit, automatic means for controlling the richness of the mixture comprising a sealed manometric capsule subjected to pressures derived from the induction passage posterior to the throttle for operating said movable member, and manual means operable independently of the throttle from a point remote from the carburetor during substantially all conditions of engine operation for moving the sealed capsule as a unit to thereby vary at the will of the pilot during periods of operation the richness of the mixture determined by the automatic means comprising a pivotally mounted cam having an operating lever connected thereto and adapted to be actuated from a point remote from the engine, a member connected to said bellows and engaging said cam, and a spring urging said member into engagement with said cam.

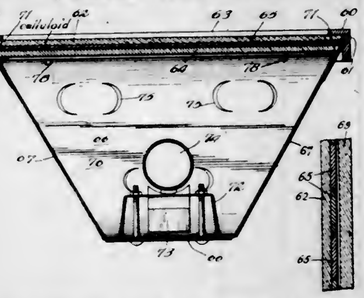
2,269,278

CHANGEABLE NAME STRIP DIRECTORY

George L. Mackintosh, New York, N. Y., and Earl B. Barkley, William England, and Lester H. Willson, Chicago, Ill., assignors to The Tablet & Ticket Co., Chicago, Ill., a corporation of Illinois

Application December 19, 1938, Serial No. 246,614

6 Claims. (Cl. 40—132)



6. In a directory panel, a generally rectangular frame composed of three L-shaped members, there being grooves in two of said members, a transparent panel fitted in said frame and extending into said grooves, means for closing said frame and for holding said panel therein, a plurality of translucent strips disposed on said panel and extending across the frame from side to side and into said grooves, a lamp box fitted against said frame, flange means on said lamp box bearing against said strips to hold them in place, means in said lamp box for emitting and diffusing light to illuminate said strips, and means engaging the box and frame for holding the device together as a unit.

2,269,279

CARBURETING AND IGNITION SYSTEM

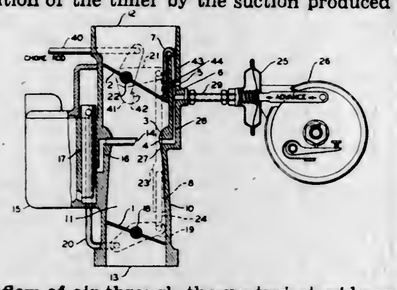
Marion Mallory, Detroit, Mich.

Application November 3, 1941, Serial No. 417,588

7 Claims. (Cl. 123—117)

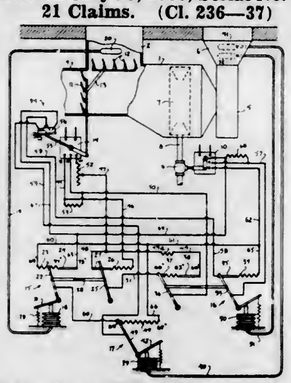
1. In an internal combustion engine the combination of an ignition timer, a fuel mixture intake passageway including a venturi, a combination air and choke valve and a throttle spaced apart in series in said passageway one on each

side of the venturi arranged to open and close in unison, suction controlled means for varying the position of the timer, and a passageway connecting the suction means with the venturi whereby the said means is controlled to vary the position of the timer by the suction produced by



the flow of air through the venturi at wide open throttle and by the suction of the mixing chamber for part open throttle, a second passageway connecting the first passageway with atmosphere when the air valve is in choking position and the throttle valve open whereby the timer is retarded.

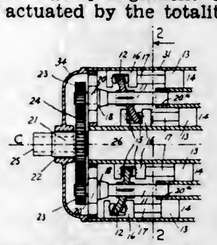
2,269,280
AIR CONDITIONING SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 25, 1938, Serial No. 221,066
21 Claims. (Cl. 236—37)



15. In an air conditioning system, in combination, means for supplying fresh air to a space to be conditioned, flow control means for controlling the supply of fresh air, a condition changer for changing the condition of the air, a first motor for controlling said condition changer, condition responsive means located at the discharge of the conditioning system influenced by the condition of the air passing to said space for controlling said first motor, a second motor for actuating the flow control means, and means actuated in accordance with the operation of said second motor for varying the setting of said condition responsive means.

2,269,281
POWER UNIT
Anthony George Maldon Michell, Melbourne, Victoria, Australia
Application April 26, 1938, Serial No. 204,403
5 Claims. (Cl. 60—97)

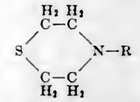
1. In a power unit comprising a plurality of opposed-piston engines each having a group of parallel cylinders, a pair of opposed pistons reciprocating in each of said cylinders, and two engine shafts in axial alignment each of said shafts being actuated by the totality of pistons



located in corresponding ends of said cylinders, a power take-off shaft positioned parallel to said engine shafts and arranged to be driven by the totality of the engine shafts located at corresponding ends of said engines.

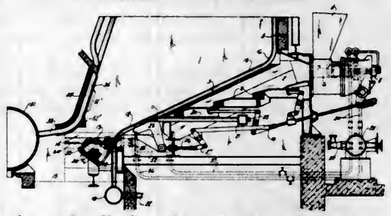
2,269,282
MINERAL OIL COMPOSITION
Robert C. Moran, Wenonah, and Darwin E. Badertscher and Henry G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 31, 1939, Serial No. 276,616
9 Claims. (Cl. 252—47)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith in minor proportion, sufficient to inhibit the deleterious effects of oxidation on said oil, a compound having the general formula:



in which R represents a radical selected from the group consisting of alkyl, aryl and alkaryl hydrocarbon groups.

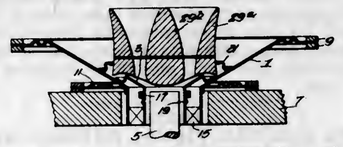
2,269,283
STOKER
Charles L. Myers, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 30, 1938, Serial No. 248,442
16 Claims. (Cl. 110—165)



1. An ash discharging device adapted to be mounted adjacent one end of a stoker furnace for feeding the ashes received therefrom through a discharge passage, comprising a member adapted for rocking movement from ash feeding to ash dumping positions, said member comprising a substantially arcuate portion having projections thereon, a shaft for supporting said

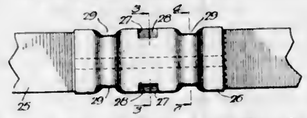
member, a gear secured to one end of said shaft, a rack meshing with said gear, a reciprocating fluid motor for actuating said rack, means including a pressure reversing control mechanism for controlling the direction of movement of said motor, and adjustable abutment means adapted to limit the movement of said rack in either direction, whereby the rocking movement of said shaft and member may be predetermined, said abutment means being so disposed that upon the removal thereof said shaft and member may be actuated to ash dumping position by said motor means, causing the ashes normally supported on said member to be discharged from the furnace.

2,269,284
SIGNAL TRANSLATING APPARATUS
Harry F. Olson, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1937, Serial No. 178,802
3 Claims. (Cl. 179—115.5)



1. In a loudspeaker, the combination of a plurality of diaphragms each including a vibrating section and a voice coil supporting section, said diaphragms being of relatively lesser and greater diameter and particularly effective, respectively, to reproduce higher and lower ranges of the audio spectrum, a separate driving coil on each of said coil supporting sections, said voice coils being correspondingly particularly effective, a compliant coupling between said diaphragms, and a horn loading the smaller of said diaphragms.

2,269,285
STRAP JOINT
John Ekern Ott, Lisle Township, Du Page County, Ill., assignor to Acme-Steel Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 266,081
3 Claims. (Cl. 24—23)



1. A strap joint comprising overlapping strap ends and an enclosing sleeve-like seal, the opposite edges of the strap and seal at the middle portion of the joint having a sheared bent portion forming interlocking shoulders extending transversely of the seal, the opposite edges of the strap and seal toward the ends of the joint having a crimped portion to form interlocking deformations.

2,269,286
STAY FOR USE IN FORMING FREIGHT CARLOADS
John Ekern Ott, Lisle Township, Du Page County, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1940, Serial No. 363,898
2 Claims. (Cl. 105—369)

1. A stay for a freight car load comprising a metallic member adapted to be mounted in upright position at the side of a shipping container, said member being provided at its end with a



hook having a reversely curved extremity permitting the hook to be snapped over a projection on the end of the container.

2,269,287
FAN
Wilmer S. Roberts, Ferndale, Mich.
Application November 29, 1939, Serial No. 306,720
3 Claims. (Cl. 170—159)

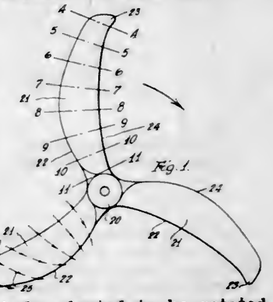


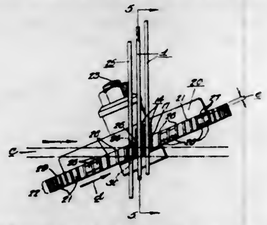
Fig. 1.

1. A fan blade adapted to be rotated about an axis for displacing air, said blade having leading and trailing edges both curved in the direction of rotation of the blade, the curvature of the two edges being such that the widest portion of the blade is substantially mid-way between the inner end of the blade and the tip, the region of the blade extending inwardly from the tip portion to at least the portion of greatest width, being of concavo-convex cross section with the concave surface constituting the work face of the blade, the remainder of the blade changing to a concavo-convex cross section with the convex surface constituting the work face of the blade.

2,269,288
KNITTING MACHINE
Joseph Saftlas and Mendel Grosskopf, Philadelphia, Pa.; said Grosskopf assignor to said Saftlas
Application September 17, 1938, Serial No. 230,484
12 Claims. (Cl. 66—50)

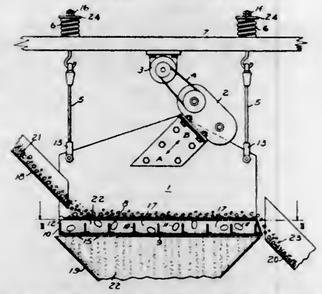
11. A knitting machine having a series of knitting instrumentalities, a series of control elements each individually associated with an instrumentality, certain of the control elements being of different shape than others, and an instrumentality selecting device contacting with all

of the control elements to selectively control selected ones of said series of instrumentalities in accordance with a predetermined set up on said



selecting device and to control all of the instrumentalities having the said certain different shape control elements associated therewith regardless of said set up.

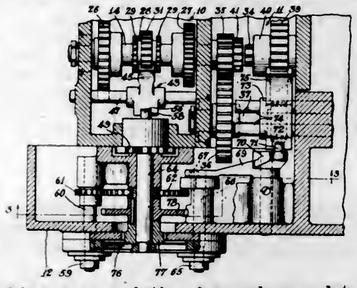
2,269,289
NONBLINDING VIBRATING SCREEN
Herman Schiffiin and John E. Dunn, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 29, 1939, Serial No. 281,860
9 Claims. (Cl. 209—323)



1. In a screening device, the combination with a frame having a screen, a foraminated deck carried by said frame below said screen, a plurality of compartments formed between said deck and said screen, resilient globoid bodies having asymmetrical weight distribution, located in at least some of said compartments for free movement therein, the major dimensions of said bodies being substantially smaller than the spacing between said screen and deck, and means for imparting to said frame a vibration of sufficient amplitude to cause said bodies to impact said screen.

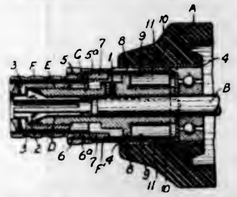
2,269,290
SPEED-CHANGE MECHANISM
Garner H. Schurger, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis.
Application February 26, 1940, Serial No. 320,805
2 Claims. (Cl. 74—333)

1. A speed-change mechanism comprising, in combination, a speed-change gearing having two selectively shiftable gear elements movable in adjacent parallel paths, individual shifter shoes engaged with respective ones of said elements, means slidably supporting said shoes for rectilinear movement in paths paralleling the paths of movement of said elements, each of said shoes having three positions in its path of movement for corresponding settings of the speed-change gearing, said shoes presenting outer faces disposed side by side with cam grooves therein, disposed at right angles to the direction of shoe movement, a first intermittent gear having three gear sectors extending through 120 degrees, a second intermittent gear having a single gear sector extending through 120 degrees for selective meshing engagement with the first mentioned sectors to rotate said first gear through



one-third of a revolution for each complete revolution of said second gear, said gears being arranged opposite corresponding ones of said shoes and each having an eccentrically located crank pin thereon projecting into the cam groove in the corresponding shoe, and means for rotating said second gear.

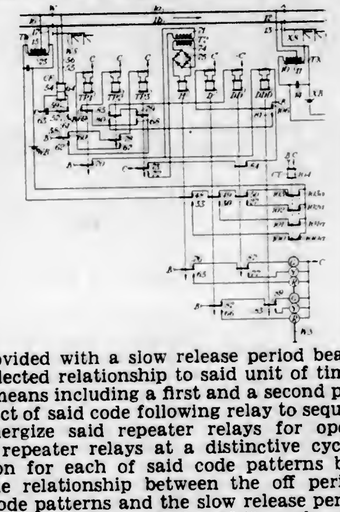
2,269,291
CHUCK FOR FRACTIONAL HORSEPOWER ELECTRIC MOTORS
Loyd Scruggs, University City, Mo.
Application April 5, 1940, Serial No. 327,955
4 Claims. (Cl. 279—52)



1. A fractional horse power electric motor or similar tool operating device, comprising a housing adapted to be grasped in the hand of the user, a drive shaft in said housing, a tool chuck on said shaft provided with a jaw-carrying member and with a jaw actuating device rotatably mounted on said member, a finger grip or shield comprising an extensible and retractible terminal member, which, when arranged in its extended position, constitutes a non-rotatable finger grip that surrounds or encases the jaw-actuating device of the chuck, a support for said terminal member carried by the housing and detachably connected to said terminal member by screw threads, and means rendered operative by movement of said terminal member into its retracted position, for holding said terminal member against rotary movement and for preventing said jaw carrying member from turning when the jaw actuating device thereon is manipulated.

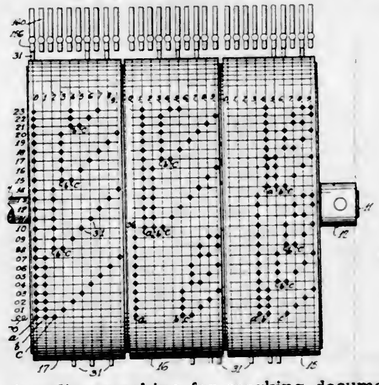
2,269,292
RAILWAY TRAFFIC CONTROLLING APPARATUS
Crawford E. Staples, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 30, 1940, Serial No. 348,423
13 Claims. (Cl. 246—34)

1. Railway traffic controlling apparatus comprising in combination, a track section provided with a track circuit, current supply means including a source of current and code transmitting means connected to said track circuit to supply coded current thereto, said code transmitting means including contact members arranged to effect any one of a plurality of different code patterns having a substantially uniform on period and off periods of different lengths with the length of the off period for a code pattern made up of a preselected number of a predetermined unit of time, a code following relay receiving current from said track circuit operated to a first and a second position in response to the on and off periods of such coded current, a series of repeater relays each of which



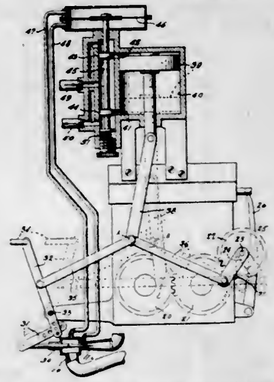
is provided with a slow release period bearing a preselected relationship to said unit of time, circuit means including a first and a second position contact of said code following relay to sequentially energize said repeater relays for operating such repeater relays at a distinctive cyclic operation for each of said code patterns because of the relationship between the off periods of the code patterns and the slow release periods of said repeater relays as effected through said unit of time, and signaling means having a distinctive condition for each of said code patterns selectively controlled by said repeater relays in accordance with the cyclic operation at which they are operated.

2,269,293
CODING MACHINE
Robert Stuart, Forest Hills, N. Y., and Matthew H. Loughridge, Bergen, N. J.
Application December 31, 1938, Serial No. 248,894
18 Claims. (Cl. 164—115)



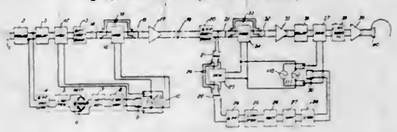
1. A coding machine for marking documents, comprising a table for receiving the document, a sliding head mounted above the document, a plurality of code members mounted in said head, a magnet for operating each member to mark the document, a plurality of adjustable code discs for selectively operating a plurality of said magnets according to the code desired and means for moving said sliding head relative to the document to locate said marks in a predetermined position.

2,269,294
POWER CONTROL
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 3, 1939, Serial No. 259,493
7 Claims. (Cl. 261—51)



1. In a carburetor having a mixing chamber, a fuel supply means discharging therein, a mixture outlet, a throttle valve therein, a throttle lever connected thereto, a manually controlled throttle operating lever, a toggle connecting the two levers together, automatic means for regulating the fuel and air ratio, a variable fuel restriction, control means therefor interconnected with said manually controlled throttle operating lever, means responsive to the pressure difference across said variable fuel restriction adapted to break the toggle when the fuel flow exceeds a predetermined flow, whereby the throttle lever is moved to the partially closed position, the manually controlled throttle operating lever remaining unmoved whenever the fuel flow exceeds the critical fuel flow determined by the variable orifice.

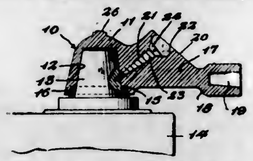
2,269,295
COMPRESSED BAND TELEPHONY
Charles W. Vadersen, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 21, 1940, Serial No. 353,485
9 Claims. (Cl. 179—1)



1. The method of transmission of speech waves comprising transmitting, at certain instants of time, only the upper speech frequencies and, at other and intervening instants of time, only the lower speech frequencies, and alternating be-

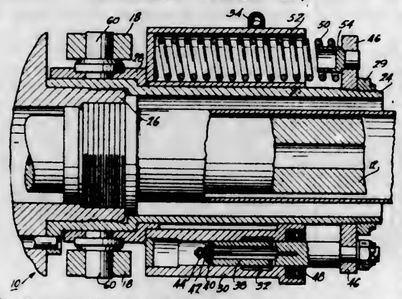
tween said two frequency ranges at the fundamental vocal cord frequency of the transmitted speech.

2,269,296
NONCORROSIVE BATTERY TERMINAL
Herbert D. Weaver, San Diego, Calif.
Application November 25, 1940, Serial No. 367,127
1 Claim. (Cl. 173—259)



A battery terminal comprising a body having a dome-shaped head provided with socket for reception of the post of a battery, a shank extended from the body and having means for reception of a cable, said shank having a face upwardly inclined in the direction of said head and having a bore inclined with respect to said socket, said bore opening upon the socket and an enlarged entrance opening adapted for reception of a sealing compound, a screw member complemental to the bore of a length to engage and penetrate a battery post and said socket having a circumscribing recess at its open end for reception of an elastic washer, whereby to effect an air and acid tight seal with a battery post.

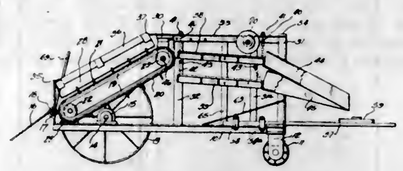
2,269,297
AXIALLY CENTERED RECOIL MECHANISM FOR MACHINE GUNS
John W. White, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 22, 1940, Serial No. 314,902
3 Claims. (Cl. 89—42)



1. A recoil absorbing mechanism for guns comprising a stationary sleeve through which the barrel of a gun may be inserted and held coaxially for reciprocatory movement, a hydraulic cylinder secured to either outer side of said sleeve on a plane through the axis of the sleeve, spring guiding cylinders mounted on either outer side of said sleeve in a different plane through the axis of the sleeve, an apertured piston in each hydraulic cylinder, a coil spring in each spring cylinder, and a member adapted to be secured to a gun to contact said pistons and springs upon recoil of the gun.

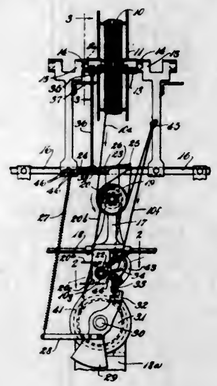
2,269,298
POTATO DIGGING MACHINE
Adam Widuch, Michigan City, Ind.
Application January 8, 1941, Serial No. 373,589
1 Claim. (Cl. 55—51)

In a potato digging machine a frame supported on wheels, a pivoted, lever controlled share in front of the machine, conveyor means back of the share to the top of the machine, said conveyor means comprising two narrow belts, spaced from each other and mounted on rollers and a flexible web stretched between said belts and provided with transverse strips raised above the surface of the web, a plurality of superimposed grading screens suspended on chains back of the



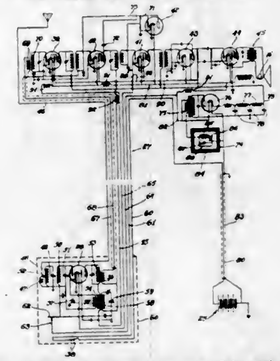
conveyor means, where the load of the conveyor means may be dumped thereon, rocker means to laterally actuate said screens, a plurality of delivery chutes, each screen delivering its potatoes to a separate chute, screw conveyor means on top of the machine disposed transversely above the top screen to divert vines, and means responsive to the rotation of the wheels to actuate the conveyor means, the screens and the screw conveyor.

2,269,299
WINDING APPARATUS
Leonard A. Wiggins, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 25, 1941, Serial No. 375,959
15 Claims. (Cl. 242—45)



1. Apparatus for winding elastic yarn into package form, said apparatus comprising yarn let-off mechanism, means for winding the yarn into package form, means for pulling the yarn under tension from the let-off mechanism and having surface means comprising spaced-apart relatively movable elements disposed to engage the yarn for pulling the yarn under tension and releasing the tension by progressive contraction of the yarn to deliver the yarn at a reduced tension for the winding operation, means for driving the pulling means, and means interconnecting the let-off mechanism with said movable elements for control of the let-off mechanism in accordance with the condition of tension of the yarn at said pulling means.

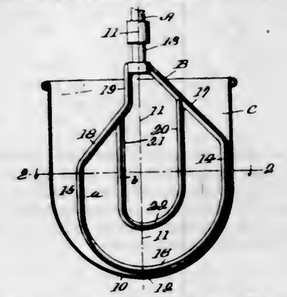
2,269,300
RADIO RECEIVER
Edward F. Andrews, Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 9, 1939, Serial No. 249,908, now Patent No. 2,218,501, dated October 22, 1940, which is a division of application April 8, 1933, Serial No. 665,074, now Patent No. 2,143,532, dated January 10, 1939. Divided and this application July 1, 1939, Serial No. 282,401
13 Claims. (Cl. 250—27)



1. In a radio receiver, in combination, a metal base, a plurality of thermionic tubes having plates and filaments, each of said filaments being provided with a pair of terminals, a continuously vibrating circuit interrupter having an inductance element and two contacts, a metal shield enclosing said interrupter, a transformer having a primary winding and a secondary winding arranged to transform low voltage alternating current into high voltage alternating current, a rectifier circuit connected across said secondary winding, said rectifier circuit acting to change the high voltage alternating current into high voltage direct current, means for delivering said high voltage direct current to said plates, said thermionic tubes, shielded interrupter, transformer, and rectifier being carried by said base, a metal housing enclosing them, one terminal of each of said filaments, one of said interrupter contacts and its shield being grounded to said metal base which forms the common ground for said radio receiver, a low voltage battery external to said housing having a pair of terminals, means for grounding one of said pair of battery terminals to a ground external to said receiver, conductor means connecting the base of said radio receiver to the grounded terminal of the battery, a second conductor means connecting the ungrounded terminal of the battery to said filaments, and a third conductor means connecting the other of said two interrupter contacts to said second conductor means, said third conductor means including said interrupter inductance element and the primary of said transformer in series.

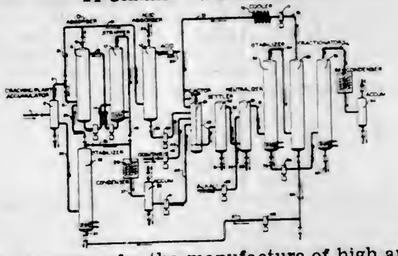
2,269,301
MIXING MACHINE IMPLEMENT OR TOOL
Mortimer R. Anstice, Rochester, N. Y., assignor to Josiah Anstice & Company, Inc., Rochester, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 291,975
8 Claims. (Cl. 259—107)

1. A rotary implement for mixing food or the like comprising, a drive member by which the implement is adapted to be rotated, a food engaging arm secured to and rotatable with said member, said arm having a substantially U-shaped portion, oppositely inwardly inclined and upwardly extending portions interconnecting the upper end of said U-shaped portion to said drive member, one of said inclined arm portions be-



ing disposed in a plane above the other and upon rotation of said arm said portions traveling in non-intersecting paths, and the leading sides of the portions making up said food engaging arm being substantially V-shaped in cross sectional configuration.

2,269,302
MANUFACTURE OF GASOLINE
Harold V. Atwell and Frank H. Bruner, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 27, 1939, Serial No. 253,052
14 Claims. (Cl. 196—10)

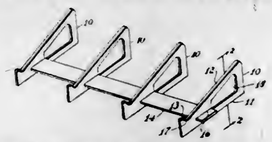


1. A process for the manufacture of high antiknock gasoline hydrocarbons, which comprises absorbing propylene in concentrated sulfuric acid of alkylation strength, and then treating the mixture with isobutane and a butene in the liquid phase under alkylating conditions effective for the alkylation of said butene by the isobutane, whereby the absorbed propylene is also alkylated by the isobutane under these conditions to produce saturated hydrocarbons of high antiknock value within the gasoline boiling range.

2,269,303
SOAP RACK
Adolph Backstrom, Hempstead, N. Y.
Application February 9, 1940, Serial No. 318,039
3 Claims. (Cl. 45—28)

1. A demountable rack for a soap cake comprising a plurality of more than two similar upright flat elements each having a base edge, a top edge inclined throughout a major part at an angle of substantially 20° with respect to the base edge and inclined throughout a minor part to make substantially a right angle with the major part, said minor part starting at that end

of the major part which is closest to the base edge, front and rear edges respectively joining the base edge with the ends of the minor and major parts of the top edge; said flat elements each having an opening therein part of which is in the form of a slot; and a cross element formed



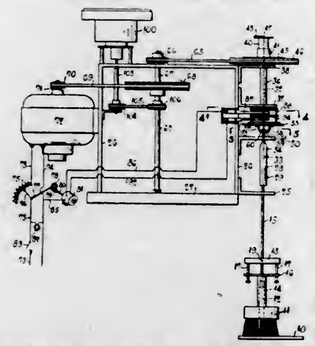
from a rectangular strip having spaced slots along a longer side thereof, said strip passing through the openings of the several flat elements and having the elements passed into the spaced slots, the cross element being also passed into the slots of the flat elements.

2,269,304
PENCIL TIP AND SHARPENER
Frank J. Bambach, Newington, Conn.
Application January 3, 1940, Serial No. 312,208
6 Claims. (Cl. 120—87)



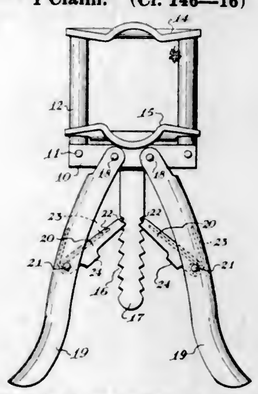
1. A pencil tip and sharpener of the character described constructed from a single piece of substantially thin sheet metal and comprising a tapered body portion having a slot with a cutting edge in the wall thereof extending longitudinally in said tapered body and partly around the same, a sleeve upon the end of said body portion continuing from said cutting edge, and a gripping portion upon the opposite end of said body portion comprising a resilient portion extending across the end of said slot for engaging the surface of a pencil to retain the said tip and sharpener in operative position thereon.

2,269,305
DRAG TESTING DEVICE
John M. Bell, Chester, S. C.
Application April 15, 1940, Serial No. 329,664
6 Claims. (Cl. 265—10)



1. Apparatus for testing materials comprising a rotary testing member for contacting the material, an elongated torsional wire of predetermined length connected to one end of the member, a motor having a driving connection with the other end of said wire for continuously rotating the wire and the member thereon, an indicator for indicating the speed of the motor and means controlled by the torsion produced in the wire by the drag on the testing member for regulating the speed of the motor.

2,269,306
CRUSHER
Thomas F. Davis, Wyandotte, Mich.
Application March 19, 1941, Serial No. 384,137
1 Claim. (Cl. 146—16)

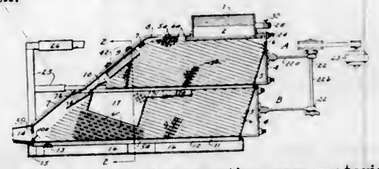


A crushing tool comprising a base, two posts projecting upwardly therefrom and mounted, at their lower ends, on the ends of the base, an upper cross plate fixed to and connecting the upper ends of the posts, a lower cross plate having holes at its ends through which pass the posts, these slidably mounting such plate thereon, a post depending from a central point of such lower cross plate below the base, and formed with serrations, handles pivotally mounted at their upper ends on the base on opposite sides of the depending post but between the ends of the base, gripping links between the depending post and the handles, each having an end pivotally connected to a handle and another end releasably disposed in a serration of the depending post, with the handle end of each link constantly below the post engaging end thereof, and springs for biasing the links to pivot on their handle connected ends towards the depending post, whereby normal movement of the handles towards each other causes the links to push the depending post and lower cross plate upwardly towards the upper cross plate for crushing an object between them, the links having facing lugs between their ends positioned to engage when the handles are moved towards each other beyond their normal movement, to swing the links away from and free of the post, so that the latter may be moved free of the links and handles.

2,269,307
METHOD OF AND APPARATUS FOR SEPARATING COMPOSITE MATERIAL INTO ITS COMPONENTS
James H. Dickerson, New Philadelphia, Ohio
Application January 28, 1938, Serial No. 187,538
15 Claims. (Cl. 209—467)

1. In a separator for separating coal from refuse, a primary inclined reciprocable separating deck for removing heavier refuse from raw coal, a secondary inclined separating deck receiving the partially cleaned coal from the primary deck and separating additional refuse therefrom, riffles on said decks arranged at an angle to the direction of reciprocation, each of said decks be-

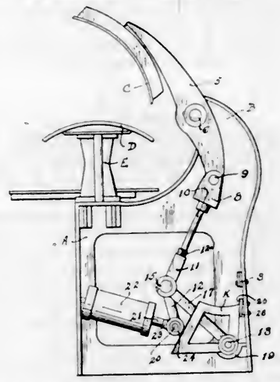
ing provided with a multiplicity of air jet apertures, means to supply air to said apertures, means to control the flow of air through the apertures to provide relatively high pressure air to the primary deck and relatively low pressure air to the secondary deck, means to reciprocate said decks, and a plate above the cleaning area of the secondary deck to carry the coarser part of the treated coal, being separated from the smaller material by the ordinary action of the primary deck, said plate to discharge its treated coal to the lower forward part of the said secondary deck.



9. The method of separating raw materials of different specific gravities and size, such as raw coal, comprising feeding the material in a thin freely flowing stream upon an inclined reciprocating support, conveying, spreading, and stratifying the material upon the support by a reciprocating rocking motion, and currents of air directed through the support, causing the refuse to move along guides diagonally upward and forward, and the lighter gravity material to move forward and downward becoming gradually coarser towards the forward part of the bed, reducing the air pressure under a portion of the support carrying the finer material for re-treatment, moving the resulting refuse along guides carrying coarser refuse, and then removing the finer refuse from the guides and causing it to move at an angle from the coarser refuse, and causing the finer refuse to move forward and downward along the reciprocating support to a point of discharge, to avoid remixing the finer refuse with the coal where the coil is coarser and the air pressure is greater

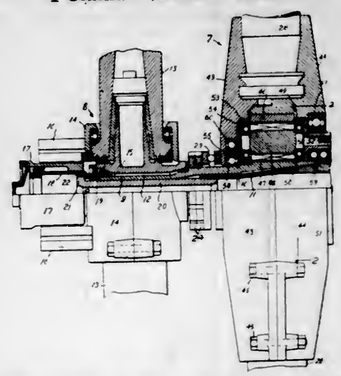
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2,269,308
TOGGLE MECHANISM FOR PRESSES
Arthur O. Gates, Otto H. Pearson, and George F. Pearson, Salt Lake City, Utah, assignors, by mesne assignments, to Nicholas L. Strike, Salt Lake City, Utah
Application September 7, 1937, Serial No. 162,620
4 Claims. (Cl. 38—41)



1. In a toggle mechanism for presses, the combination of a pressing arm, a framework on which said arm is pivotally mounted, a toggle link pivotally connected at its upper end with one end of said pressing arm, a T-shaped crank device having a horizontal arm provided with offset crank pins at its ends, and a downwardly extending leg rigidly connected to and perpendicular to the arm, said toggle link being pivotally connected at its lower end to said arm of the crank device on an axis parallel to the axis of the arm, an H-shaped lower toggle link pivotally connected at its upper end with said crank pins and at its lower end pivotally connected with said frame, a stationary inclined plane having an upwardly inclined track located between the legs of the H-shaped lower toggle link, rollers on the free end of the leg, and means to guide said rollers along the inclined plane and to raise the same thereby to straighten said toggle and to thereafter operate upon said crank device to rotate the arm and thereby vary the length of the toggle.

2,269,309
MULTIPLE AIRSCREW DRIVE
Albert Everard Herring, Batlow, Australia
Application October 2, 1939, Serial No. 297,437
In Australia February 14, 1939
1 Claim. (Cl. 170—135.5)



A drive from a single engine for co-axial and contra-rotating airscrews, comprising a first airscrew mounted on the airscrew shaft of the engine for rotation therewith, a second airscrew mounted about said shaft between the first airscrew and the engine and adapted to rotate about said shaft in the opposite sense to the first airscrew, and a gear drive for said second airscrew comprising an annular gear ring rotating with the airscrew shaft and driving, in the opposite sense and through a plurality of idler pinions mounted in a cage affixed to the engine and disposed within the hub of the second airscrew, an annular internal gear ring mounted in the said hub, ball races within said cage for rotatably supporting said first airscrew shaft and ball races on the outside of said cage for supporting said second airscrew shaft.

2,269,310
DISPLAY DEVICE
Bartley G. Hollander, Minneapolis, Minn., assignor to Clinton J. Christopher, Minneapolis, Minn.
Application August 30, 1940, Serial No. 354,837
4 Claims. (Cl. 211—94)

1. A display device, comprising a rack plate,

means for supporting the plate in an inclined position and including an upwardly turned forward member along the uppermost edge of the plate, the said plate having slots extending substantially in the direction of inclination of the

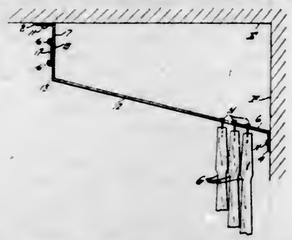
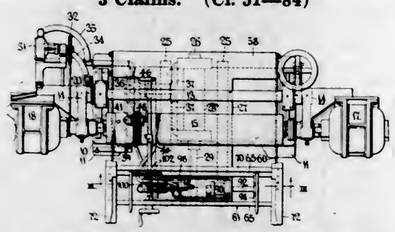


plate and having enlarged portions at their forward ends, and the said enlarged portions of the slots being formed at the junction of the plate and forward member to open through both the plate and said member.

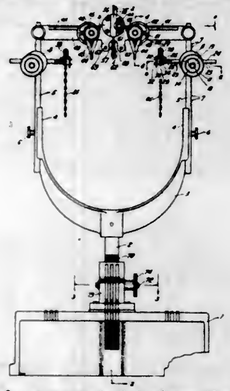
2,269,311
ABRADING MACHINE
Carl O. Johnson, Springville, N. Y.
Application November 3, 1939, Serial No. 302,679
3 Claims. (Cl. 51—84)



1. In a polishing and buffing machine, a pair of buffing and polishing rolls, means to drive the rolls, a slide member movable towards and away from the rolls in a line at right angles to the longitudinal axes of the rolls, a pair of resilient arms anchored at one end to the slide member, a work holder carried by the other ends of the resilient arms by means of pivotal connections therewith, and means for moving the arms against resiliency thereof to cause the work holder to oscillate through arcuate paths traversing the path of movement of the slide member, said arm moving means comprising a reversible hydraulic pressure transforming device mounted upon said slide member and movable therewith.

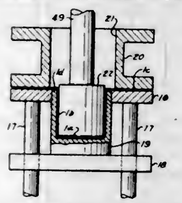
2,269,312
OPTICIAN'S MEASURING INSTRUMENT
Paul H. Johnston, Davenport, Iowa
Application July 11, 1940, Serial No. 344,919
18 Claims. (Cl. 33—200)

1. An optician's measuring instrument comprising, in combination, a supporting base, a support for measuring instrumentalities supported thereby and vertically adjustable with relation thereto, said support having posts spaced farther apart, laterally, than the width of the human face, a crossbar connecting the upper portions of said posts and having bridge-gripping means arranged substantially centrally of the length thereof whereby a spectacle bridge may be correctly positioned and held on the nose of a patient, and lens-gripping means mounted on said posts for movement vertically and horizontally with relation thereto whereby means simulating



lenses may be supported before the eyes of the patient.

2,269,313
METHOD OF MAKING DOUBLE WALLED ARTICLES AND THE LIKE
William H. Klocke, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application February 10, 1940, Serial No. 318,298
1 Claim. (Cl. 113—51)

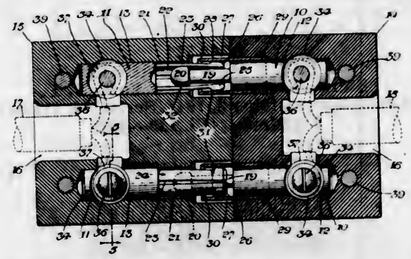


In a method of making deep drawn, double-walled articles, the steps of clamping the rim of a blank between a die and a blank holder, drawing the center portion of the blank into said die by means of a punch, clamping said drawn center portion between a die and a blank holder punch and clamping the rim of the blank between a pressure pad and a drawing punch, and then moving said pressure pad and drawing punch while in clamping engagement with said rim to completely draw said rim about said second-named die into substantially parallel relation with the wall of the aforesaid drawn center portion.

2,269,314
ELECTRICAL CONNECTOR
Rob Roy Macdonald, Bayside, N. Y.
Application May 23, 1941, Serial No. 394,793
3 Claims. (Cl. 173—332)

3. A connector embodying terminal members having telescopic male and female elements, the male element comprising a shank having a head at the free end thereof of greater diameter than the shank, and the female element comprising longitudinally-extending resilient members having an internal diameter substantially equal to the maximum diameter of said head, said resilient members having at their free ends external projections, and a projecting annular member mounted with the male element adapted to receive the free ends of the resilient members,

and cam means adapted to press the free ends of the resilient members toward each other as they enter the annular projecting member to force the free ends of the resilient members over the head and yet free of the shank of the male

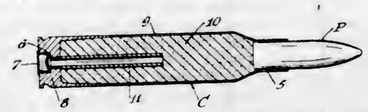


element, the bodies of said resilient members by the resulting bowing thereof being pressed hard against the said head in opposition to the resistance of the external projections of said resilient members by the inner wall of said annular member.

2,269,315
PROCESS FOR THE REMOVAL OF METALLIC ELEMENTS FROM WATER
Gussie H. Nelson, Max Levine, and Daniel F. J. Lynch, Ames, Iowa, assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America
No Drawing. Application September 8, 1937, Serial No. 162,878
4 Claims. (Cl. 210—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

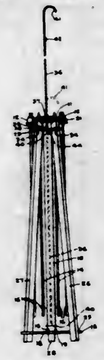
1. A process for the removal of iron and other metallic elements from water, which comprises subjecting said iron and other metallic elements to the adsorptive action of lignin, which has been obtained from undecomposed plant materials, in the proportion of substantially 1 milligram of lignin per liter of water having up to 10 parts per million of said iron and other metallic elements; thence stirring the mixture; thence filtering through sand and other suitable filters, and thereby producing a filtrate substantially free from iron and other metallic elements.

2,296,316
AMMUNITION FOR SMALL ARMS
Charles M. O'Neil, Hopkins, Minn.
Application July 5, 1938, Serial No. 217,378
3 Claims. (Cl. 102—16)



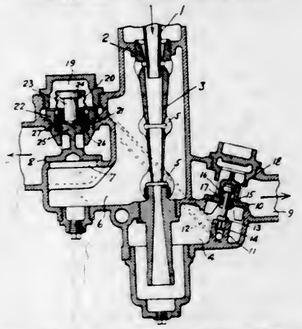
1. A rifle cartridge comprising the usual casing having a base, an open end and a powder chamber formed therebetween, with a primer in said base, a flash tube extending from said primer to a point approximately in the medial portion of said chamber and open to the chamber at that point, a projectile mounted in said open end of the casing, and a charge of granular nitro-cellulose powder completely filling said chamber around and forwardly of said tube so that said charge is in substantially full surface contact with the rear end of the projectile.

2,269,317
FOLDING CLOTHES RACK
Les W. Place and Edward T. John, Minneapolis, Minn., assignors to The J. R. Clark Company, Minneapolis, Minn., a corporation
Application May 18, 1940, Serial No. 335,950
3 Claims. (Cl. 248—171)



1. In a folding clothes hanger of the type shown and described, a central post having plates attached to the top and bottom ends thereof, a follower plate adapted to slide along said post, tripod leg supports extending through openings in the bottom end plate and having a movable union with the follower plate whereby the ends of said leg supports are held to engage the surface of the post and hold it in adjusted positions of elevation, and means movable freely through said top plate and adapted to have connection with the follower plate, whereby when lifting force is applied to said means it will thereby be transmitted to the follower plate and lifting thereof will cause the legs to be released so that the legs may restore themselves by gravity to folded position.

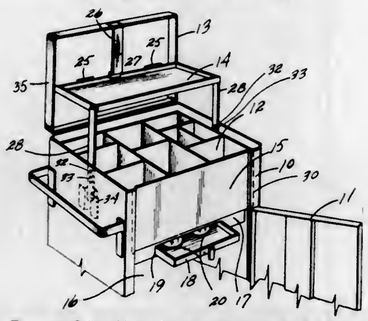
2,269,318
INJECTOR
Irenee P. Pedrick, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application April 8, 1941, Serial No. 387,375
5 Claims. (Cl. 103—275)



1. In an injector, a line check valve, an overflow valve, a Sylphon bellows, means for communicating pressure to said bellows when said line check valve is open and means affording an operative connection between said bellows and said overflow valve whereby said overflow valve will be closed under pressure operative on said

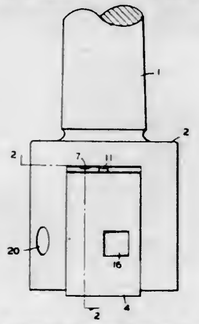
bellows said last mentioned means permitting a degree of independent movement of said overflow valve with respect to said bellows.

2,269,319
CABINET
Theodore E. Reynolds, Cincinnati, Ohio
Application September 22, 1939, Serial No. 296,108
4 Claims. (Cl. 312—31)



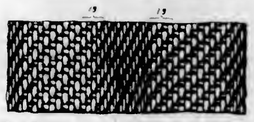
1. In combination in a cabinet, a body, a door for the front of said body and hingedly mounted thereon, a panel above said door, a receptacle supported within said body substantially behind said panel, a multi-perforated floor in said receptacle, an undercut portion on said receptacle, said portion extending below said panel into the opening closable by said door, a lid closable over the top of said cabinet, a flange on said lid, a strap hingedly mounted on the forward portion of said flange, and an angled tongue on the free end of said strap whereby when said door is closed over said tongue, said lid is locked to said body in a substantially vapor-tight manner.

2,269,320
RETRACTABLE TOOL HOLDER
William C. Rosborough, Moline, Ill., assignor to Moline Tool Company, Moline, Ill., a corporation of Illinois
Application April 18, 1938, Serial No. 202,618
2 Claims. (Cl. 77—58)



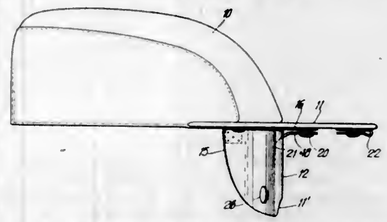
1. A boring head comprising a revolving head having a slot extending diametrically thereto; a tool holder pivoted off center in the slot-separated portions of the head, a cutting tool fastened in the end of the tool holder furthest from the pivot, said holder being retractable on its pivot to two alternate positions in one of which the cutter projects further from the boring head axis than in the other, a stop determining the position of the tool holder in the slot when cutting, another stop limiting the retraction of the tool holder to less than the cut taken, the weight of the tool holder carrying the tool to retracted position and the resistance of the cut holding the cutter in its boring position.

2,269,321
TWILL WEAVE FABRIC
Sidney H. Scheuer, New York, N. Y.
Application October 8, 1941, Serial No. 414,043
2 Claims. (Cl. 139—417)



1. A finished ornamental woven fabric in which the warp and weft threads are composed of swellable continuous-filament yarn having little or no twist, the weft threads having a uniform spacing throughout the fabric but the warp threads being reeded to define in the fabric predetermined spaced parallel bands of relatively closely woven texture and intermediate bands of relatively loosely woven texture, the interengagement between the weft and warp threads conforming to the same twill weave throughout the traverse of said weft threads across said bands, the threads in said loosely woven bands and at the margins of said closely woven bands being swollen to a greater extent than the threads in the closely woven bands, the oblique twill lines thereby extending in sinuous fashion diagonally across the fabric.

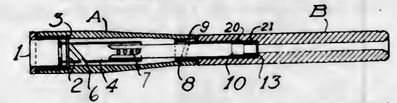
2,269,322
COMBINED CAP AND EYESHIELD
William F. Serr, New York, N. Y., assignor to Eric Pusinelli, New York, N. Y.
Application May 6, 1938, Serial No. 206,332
2 Claims. (Cl. 2—10)



1. The combination with a cap having a visor, of an eyeshield having at least a portion thereof transparent, means including a flexible strap member, a snap fastener member carried thereby, and a cooperating snap fastener member on said visor for detachably and hingedly connecting said eyeshield to said visor substantially at the central portion of one edge of said eyeshield, the opposite edge of said eyeshield being substantially free of fastening means adjacent the central portion thereof and being provided with a nose notch therein, snap fastener elements secured to said eyeshield adjacent the lateral extremities thereof and each including a member flexibly and hingedly attached to said eyeshield, snap fastener elements on said visor substantially in alignment with said central snap fastener element and positioned for cooperation with the snap fastener elements on said eyeshield for

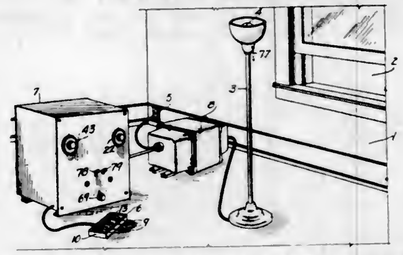
maintaining said eyeshield in inoperative position substantially flat against the visor, and a second set of snap fastener elements on said visor rearwardly of said first set and positioned to cooperate with the snap fastener elements on said eyeshield whereby to flex said eyeshield rearwardly in bowed position and substantially at right angles, rigidly with respect to said visor in operative position.

2,269,323
CIGARETTE HOLDER
John G. Tarrant, New York, N. Y.
Application March 30, 1939, Serial No. 264,911
5 Claims. (Cl. 131—182)



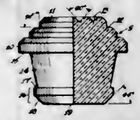
1. A cigarette holder comprising a mouthpiece, a tubular holder, a tubular ejector located coaxially within said holder, and movable longitudinally and rotatably therein, means mounted on said ejector cooperating with means mounted rigidly within said holder whereby rotation of said ejector causes it to move longitudinally in said holder, a tubular member mounted rigidly on and coaxially with said mouthpiece and projecting coaxially into said holder and into said ejector, means on said tubular member cooperating with means on said ejector permitting relative movement longitudinally but not rotatively whereby said ejector is rotated by turning said mouthpiece relative to said holder.

2,269,324
LIGHT RESPONSIVE APPARATUS FOR CONTROLLING LINEAR VOLTAGE
Carroll G. Turner, North Kansas City, Mo., and John M. Arthur, Jr., Kansas City, Kans.
Application March 14, 1938, Serial No. 195,794
1 Claim. (Cl. 240—1)



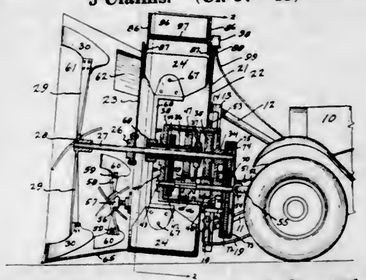
In an illuminating apparatus for maintaining substantially uniformly constant light under variable natural light conditions, artificial lighting means, a closed circuit for said lighting means including a source of alternating current and a saturable core reactor having inductive windings normally opposing the flow of alternating current through said circuit and having a control winding, means for controlling the intensity of the artificial lighting means in inverse proportion to the intensity of said natural light conditions comprising a light sensitive cell disposed in a region affected by both the natural light conditions and by the artificial lighting means whereby its internal resistance varies in inverse proportion to the intensity of the combined illumination falling upon the same, means for applying a constant potential differential across the cell, an electronic amplifier coupled to the output of the light sensitive cell, and means including a phase reversing direct current electronic amplifier coupled to the output circuit of said other amplifier for supplying direct current to said control winding of the reactor in inverse proportion to the current flow through the cell.

2,269,325
TRANSLUCENT ELEMENT AND LOCKING MEANS THEREFOR
Thomas Veitch, Torresdale, Pa.
Application August 1, 1939, Serial No. 287,706
3 Claims. (Cl. 40—133)



1. An element for transmitting light from a source behind a panel and presenting a brilliant glow on the face thereof, comprising a translucent body circular in cross-sections perpendicular to its axis and having a head to be disposed on the face of the panel and a shank to protrude through an aperture therein, said head being in the form of a truncated cone having a plurality of circumferential grooves whose sides are approximately at right angles to one another and one of which is substantially parallel to the axis of said body, said shank terminating in a flat face perpendicular to said axis.

2,269,326
SNOWPLOW
Gerrit Wandscheer, Sioux Center, Iowa
Application September 25, 1939, Serial No. 296,460
5 Claims. (Cl. 37—43)

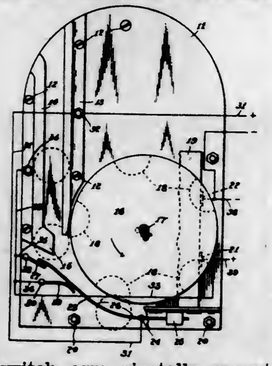


1. A snow plow comprising a forward boring and conveying member, having a central shaft, the shaft of such member extending forwardly, said boring member being pitched at a slight angle from the vertical, side cutting members positioned adjacent to said boring member, said side cutting members extending forwardly to the outer cutting limits of said conveying member, a fan mounted rearwardly of said conveying member, a pair of lower conveying members positioned inwardly adjacent said side cutting members and spaced inwardly from said boring member.

2,269,327
ELECTRIC PARKING METER
Norman A. Whittaker, Seattle, Wash.
Application December 9, 1940, Serial No. 369,223
1 Claim. (Cl. 194—6)

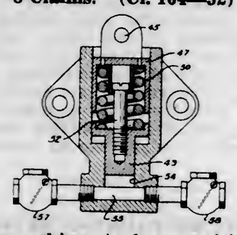
A parking meter consisting of a housing, a metal coin chute comprising two double flange

rails vertically and insulatively mounted within the housing, a revoluble disc cooperatively disposed adjacent the lower end of the coin chute and having a plurality of spaced apart peripheral coin pockets arranged to receive and carry coins from the discharge end of the chute, one of said chute rails having lower end projecting flange portions arranged to guide coins into the disc pockets when they pass the coin chute, a synchronous motor adapted to rotate the disc at a predetermined speed, a lead-in circuit extending to the motor and separately grounded to the respective rails of the chute to create a gap between them which is bridged and the motor rotated by a coin passing through the chute and touching both of its rails, a resilient counter-



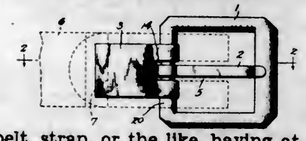
balanced switch arm pivotally mounted below and in cooperative relation with the disc, a branch circuit connecting said switch arm with the lead-in circuit, the long arm of said switch having a slot therethrough and terminating at a point directly below the discharge end of the chute whereby it is engaged by a coin gravitating therefrom, a contact finger electrically connected to the lead-in circuit and disposed below the discharge end of the chute and the end of the switch arm and in engageable relation therewith whereby rotation of the disc causes one of its peripheral pockets to pick up a coin at the bottom of the chute and carry it in frictional engagement with the switch arm until it is discharged through the slot therein.

2,269,328
HYDRAULIC HOLD-DOWN
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application January 9, 1939, Serial No. 249,890
8 Claims. (Cl. 164—52)



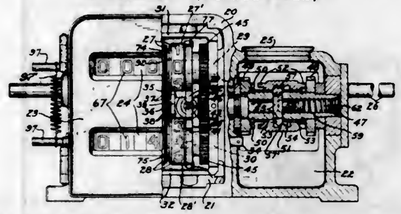
1. In a machine tool comprising movable shearing means and hydraulic hold-down means for clamping work in timed relation with said shearing means, the combination of a plurality of hold-down cylinders comprising pistons responsive to fluid pressure and adapted alternately to grip and release said work, clutch mechanism to connect said shearing means to a driving means, a fluid system under pressure to control said hold-down and said clutch mechanism, a valve mechanism to actuate said hold-down means, a second valve mechanism to actuate said clutch mechanism and a control member movable to two positions, one of said positions actuating said first valve mechanism and the second of said positions actuating the second valve mechanism.

2,269,329
BELT BUCKLE
Dorsey M. Wirth, Bucyrus, Ohio
Application October 13, 1939, Serial No. 299,344
2 Claims. (Cl. 2—338)



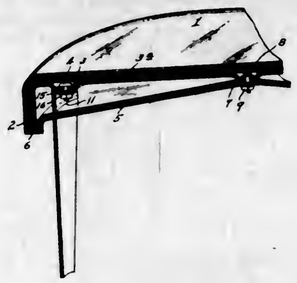
1. A belt, strap, or the like, having at one end a permanent and flexible longitudinal loop, a buckle attached to said loop by one of its transverse bars passing through the loop to slide in said loop longitudinally thereof, a double piece of elastic webbing connected at its folded end portion with said buckle bar, said buckle bar passing between the two layers of webbing, the other end portion of the double elastic webbing being secured with the inner extremity of the loop, the elastic webbing member resisting longitudinal movement of the said transverse buckle bar toward the outer extremity of the loop.

2,269,330
COUNTER
Karl H. Andren and Kurth J. Papke, Milwaukee, Wis., assignors, by mesne assignments, to Counter and Control Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 24, 1938, Serial No. 215,567
7 Claims. (Cl. 235—132)



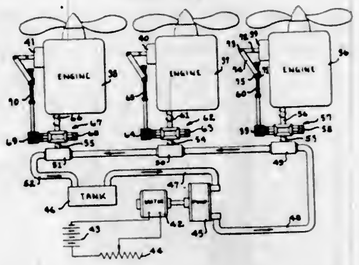
1. A registering device comprising, two counters, gearing for simultaneously actuating said counters, a shaft for driving said gearing, forward and reverse driving gears for said shaft, a collar movable along said shaft to interchangeably connect said forward and reverse gears therewith, cam means interposed between each of said gears and said collar for initiating movement of the collar away from the active gear and toward the inactive gear whenever rotation of the active gear is arrested, latches carried by said shaft and coacting with said collar to complete each collar movement initiated by either of said cam means, and means coacting directly with said counters for effecting actuation of said cam means and latches to reverse the movement of said collar whenever one of said counters has attained a predetermined count.

2,269,331
TABLE
Thomas J. Arbron, Royal Oak, Mich., assignor to Capac Manufacturing Company, Capac, Mich., a corporation of Michigan
Application April 29, 1940, Serial No. 332,126
6 Claims. (Cl. 311—106)



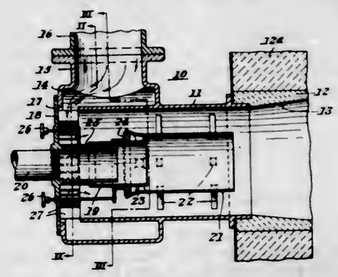
6. In a table, a table top of desired peripheral form, said top being formed of a series of plies of plastic impregnated sheet material and shaped under heat and pressure to provide a peripheral rim on one side thereof, a plastic impregnated truss sheet formed of plies of material and having a rim of less depth than the body rim and attached at its periphery to the inner face of the body rim and spacing the periphery of the truss sheet from the under face of the body portion at the rim, said truss sheet having an aperture for each of the legs to be provided for the table and a metal fastening means on the under side of the body accessible through the said apertures for securing the legs thereto.

2,269,332
SYNCHRONIZING AIRPLANE ENGINES
David E. Bench and Melvin A. Crosby, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application February 23, 1939, Serial No. 257,990
7 Claims. (Cl. 60—97)



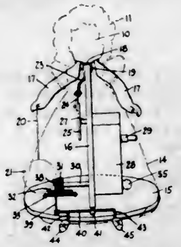
2. In a mechanism for synchronizing multiple prime movers, a liquid pump, a plurality of hydraulic motors in series therewith, there being a hydraulic motor for each prime mover, differential means associated with each of said prime movers and operable by the difference in relative speeds of said prime movers and said hydraulic motors, and mechanical connecting means positively connecting a speed control member of each of said prime movers with the respective differential means for governing the speed of each of said prime movers.

2,269,333
FUEL BURNER
Frederick S. Bloom, Pittsburgh, Pa.
Application August 19, 1940, Serial No. 353,157
3 Claims. (Cl. 158—110)



1. In a burner, a tubular body portion, communicating with a port in a burner block, an air chamber extending around the outer end of the body portion having a wall spaced axially from said end, a fuel nozzle extending into said end of the body portion, and plane radial baffles between said wall and said end, said baffles having a substantial width radially and being relatively closely spaced, so as substantially to prevent the flow of air from said chamber into said body except by radial paths.

2,269,334
ANIMATED DOLL
Ernest Bocchino, Clifton, N. J., assignor of one-half to Sylvia Greenwald, Passaic, N. J.
Application March 15, 1941, Serial No. 383,481
3 Claims. (Cl. 46—105)

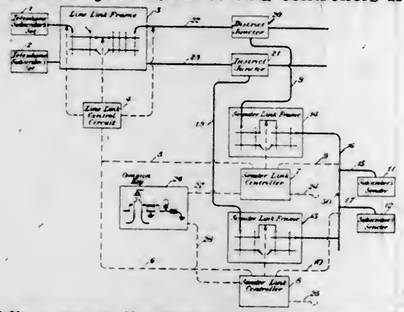


2. In an animated figure representing a doll, a base platform having a raised support, a motor on said support, said motor having two spindles, a gear on one of said spindles, means on the other of said spindles adapted to mesh with said gear, means actuated by one of said spindles to actuate the head and arms of said doll coincidently, and means actuated by the other of said spindles to actuate the feet of said doll alternately and to propel said platform.

2,269,335
TELEPHONE SYSTEM
Kieran Joseph Curley, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 13, 1941, Serial No. 393,156
3 Claims. (Cl. 179—175.23)

1. In an automatic telephone system, central office equipment comprising a plurality of sender link controllers, a key common to all of said con-

trollers, and means operative when said key is operated to prevent all of said controllers from



holding except the first one to time out subsequent to the operation of said key.

2,269,336

LOW TEMPERATURE COAL TAR DERIVATIVE INSECTICIDE, FUNGICIDE, AND THE LIKE, AND PROCESS OF MAKING THE SAME

Caleb Davies, Jr., Ben Avon, Pa., assignor to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application February 16, 1939, Serial No. 256,726
2 Claims. (Cl. 167—29)

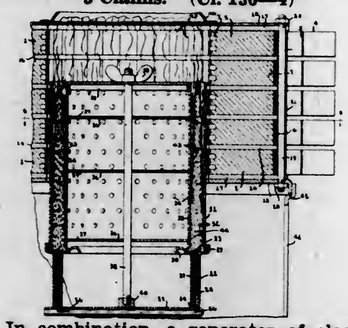
1. The process of making insecticides, fungicides and the like, which comprises treating a coal tar material produced by the low temperature carbonization of coal and containing a substantial quantity of high boiling oil of a character such that not more than 25% of the oil boils below 275° C., with an alkali-metal hydroxide solution saturated with alkali-metal chloride, and separating the alkaline solution.

2,269,337

THERMOELECTRIC GENERATOR AND BURNER THEREFOR

Paul L. Dulaney, Cincinnati, Ohio, assignor to The Huenefeld Company, Cincinnati, Ohio, a corporation of Ohio

Application August 8, 1939, Serial No. 289,010
5 Claims. (Cl. 136—4)



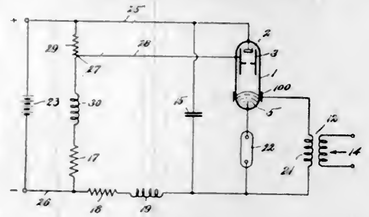
5. In combination, a generator of electromotive force comprising a plurality of thermoelectric units electrically connected together to form a layer with the hot junctions adjacently positioned, said generator consisting of a plurality of said layers stacked on one another, and means including a double-walled oil burner to form a combustion chamber, said walls enclosing the flame for heating the hot junctions uniformly and extending over only a portion of the hot junctions and all parts of which are spaced from the hot junctions.

2,269,338

FLASH-PRODUCING SYSTEM

Harold Eugene Edgerton, Belmont, and Kenneth Joseph Germeshausen, Cambridge, Mass.

Application September 27, 1939, Serial No. 296,746
17 Claims. (Cl. 176—13)



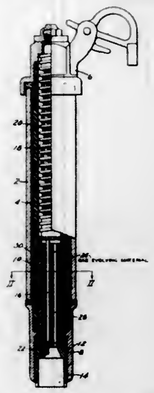
5. A stroboscope having, in combination, a source of electric energy, a condenser connected with the source so as to be charged from the source, a gaseous-discharge device having a cathode, an anode, a control electrode and a dionization electrode, a stroboscopic tube connected in circuit with the gaseous-discharge device, means for discharging the condenser through the gaseous-discharge device between the cathode and the anode to produce a flash in the stroboscopic tube, and means operable immediately after the condenser discharge for applying a momentary negative potential to the dionization electrode.

2,269,339

CIRCUIT INTERRUPTER

Harold H. Fahnoe, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 21, 1939, Serial No. 310,395
21 Claims. (Cl. 200—120)



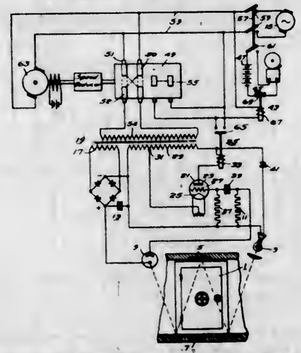
1. In a circuit interrupting device, an arc structure including at least three of arc passages of different size, partition means separating said passages, said means being destructible in response to the striking of an arc in an adjacent passage, the current of which is above a predetermined magnitude.

2,269,340

BURGLAR ALARM

Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 7, 1939. Serial No. 293,730
10 Claims. (Cl. 250—41.5)



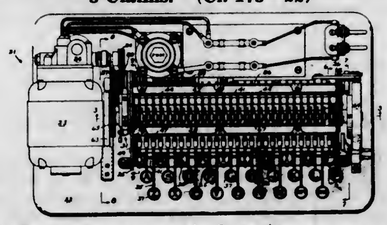
7. For use in signalling an entry into a region, the combination comprising, a photo-sensitive device, a source of radiant energy, said source and device being so arranged that radiant energy passes from said source to said device and forms a screen before said region, an electric discharge device having a principal circuit and a control circuit, means for impressing an alternating potential in said principal circuit, means for energizing said source by impressing alternate halfwaves of said alternating potential thereon, means for connecting said photo-sensitive device in said control circuit in such manner that the current flow in said principal circuit is substantial only when the radiant energy impressing on said photo-sensitive device has a rate of variation corresponding to that of said source and means for simultaneously reversing the polarity of the potentials impressed on said principal circuit and on said source at intervals.

2,269,341

MESSAGE TRANSMISSION DEVICE

Edward H. Hebern, Oakland, Calif., assignor to International Code Machine Company, Reno, Nev., a corporation of Nevada

Application November 8, 1938. Serial No. 239,469
8 Claims. (Cl. 178—22)



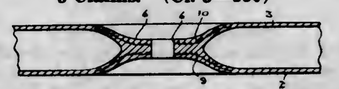
1. In a remote control system, a normally quiescent sending mechanism arranged to provide electric impulses of different lengths in an unbranched output circuit thereof and for translation at a receiving station into different functions and including a normally open switch for said output circuit, a rotary member, means selectively coactive between the member and switch to determine different periods of closing for the switch with respect to the rotation period of the member, and means for selective actuation to cause the rotation of the member to provide a said impulse of predetermined duration.

2,269,342

INFLATABLE RUBBER GOODS

John H. Johnson, Toronto, Ontario, Canada, assignor to K & W Rubber Corporation, Delaware, Ohio

Application May 31, 1938, Serial No. 210,876
5 Claims. (Cl. 5—350)



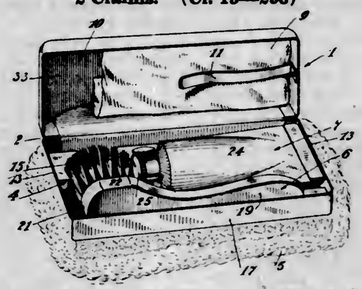
1. In an inflatable mattress, paired rubber sheets vulcanized together to form a tufting zone, said zone of vulcanization having incorporated therein a pair of fabric discs spaced apart centrally and extending divergently beyond the zone of connection into said respective sheets, said rubber sheets diverging from the tufting zone and increasing in thickness toward their zone of convergence.

2,269,343

KIT AND THE LIKE

George W. Mullen, Flushing, N. Y.

Application July 23, 1938, Serial No. 220,950
2 Claims. (Cl. 15—258)



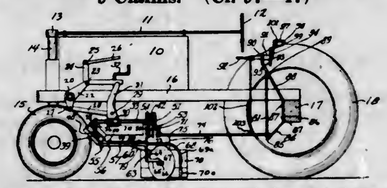
1. A shoe shining kit comprising a box, a mounting frame seated in the bottom of said box and having a slot for receiving a package adapted to contain shoe polish, and a clamping member secured to the bottom of said box having a pair of diverging clamping fingers for gripping a portion of said package, said fingers extending upwardly through said slot and engaging portions of said frame adjacent said slot to hold said frame in the bottom of said box.

2,269,344

SELF-ADJUSTING CULTIVATING ATTACHMENT FOR TRACTORS

Frank I. Nelson, Jackson, Nebr.

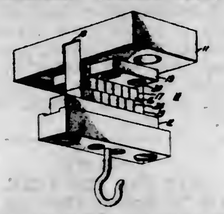
Application October 20, 1939. Serial No. 300,422
9 Claims. (Cl. 97—47)



1. A cultivating attachment for tractors comprising side frameworks secured to the tractor,

laterally movable carriages attached to said frameworks, said frameworks including transverse rods, said carriages adapted to travel along said rods, means for attaching discs and shovels to said carriages, pulleys attached to said carriages adapted to roll along said rods to cause said lateral movement, means for adjustably securing said disc and shovel members to said carriages, a shield member attached to said carriages, means for raising or lowering said shield member.

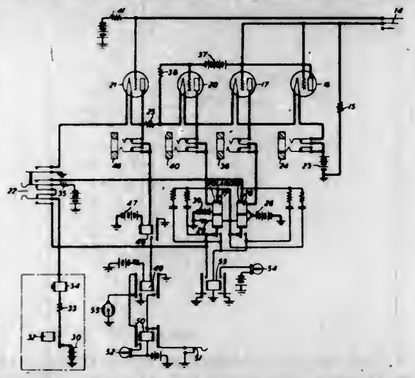
2,269,345
PERMANENT MAGNET
Clifford A. Nickle, Schenectady, and Goodwin H. Howe, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application January 12, 1940, Serial No. 313,594
3 Claims. (Cl. 175—367)



1. In a magnet assembly of the lifting or holding type, a magnetic circuit including a flux producing member, said member including a flux producing element and a pair of pole pieces of high permeability, high saturation magnetic material, a segmented shunt member extending between said pole pieces and comprising at least one segment of magnetic material separated from and joined to said pole pieces by segments of non-magnetic material, said shunt segments and said pole pieces forming a single plane surface, a segmented armature element comprising at least two segments of magnetic material separated by and attached to a non-magnetic spacing segment, said armature segments forming a second single plane surface, said plane surfaces completely and intimately engaging each other when the armature is held against the flux producing member, the magnetic segments of each of said members being offset with respect to the magnetic segments of the other of said members in the working positions thereof so that each magnetic segment makes contact with two adjacent magnetic segments of the other of said members, said magnetic and non-magnetic segments being so dimensioned that the magnetic segments overlap at all points, the non-magnetic segments of each member being disposed at substantially the median lines of the opposite magnetic segments in order that a continuous magnetic circuit through the magnetic material is provided between said pole pieces except for a plurality of working air gaps between the magnetic segments lying in the plane of engagement of said members.

2,269,346
TELETYPEWRITER SWITCHBOARD SERVICE OBSERVING CIRCUIT
Harold Frederick Page, Chicago, Ill., and Robert Louis Richard, Minneapolis, Minn., assignors to American Telephone and Telegraph Company, a corporation of New York
Application September 18, 1940, Serial No. 357,232
8 Claims. (Cl. 178—2)

1. In a teletypewriter switching system, a teletypewriter cord circuit, a teletypewriter subscriber's line and station circuit, means for interconnecting said circuits at a first time, a teletypewriter toll line circuit, means for interconnecting said cord circuit to said toll line circuit at a second time, a teletypewriter service observing circuit, means for interconnecting said service observing circuit at said first time to said con-



nection comprising said cord circuit and said subscriber's line and station circuit, means for interconnecting said observing circuit at said second time to said connection comprising said cord circuit and said toll line circuit, and means in said circuits for reproducing communication signals and supervisory signals transmitted through said connected circuits in said observing circuit.

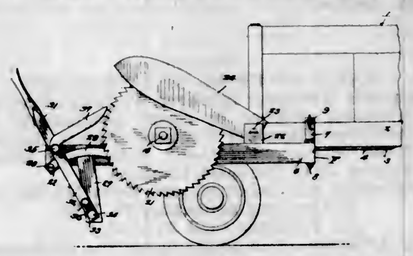
2,269,347
SHELLAC-CASHEW NUT SHELL LIQUID MATERIAL REACTION PRODUCT
William F. Schaufelberger, Maplewood, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application February 11, 1938, Serial No. 189,931
5 Claims. (Cl. 260—24)

1. The method which comprises heating between about 220° F. and about 300° F. a mixture of shellac and material selected from the group consisting of cashew nut shell liquid, polymerized cashew nut shell liquid, cardanol, alkyl ethers of cashew nut shell liquid, alkyl ethers of cardanol and a phenolic residue obtained on distilling cashew nut shell liquid, to obtain a reaction product of the shellac and the selected material.

2,269,348
TRACTOR WOOD SAW
Howard Thies, Caledonia, Minn.
Application June 29, 1940, Serial No. 343,299
1 Claim. (Cl. 143—43)

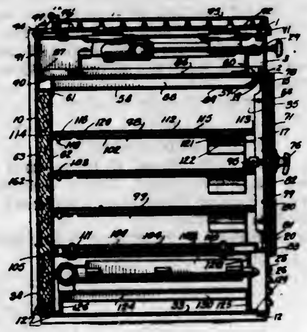
A wood sawing mechanism comprising side rails, means for securing the rails to a tractor frame, a saw supported for rotation on one rail, a depending hanger mounted on one rail, a transverse guide on the hanger, a hand lever, straps secured directly to opposite sides of the lever, the upper portions of the straps being continued to form transversely projecting supports, the width of the lever being such that the supports will pass on opposite sides of the saw, in close relation thereto, the supports and the lever defining an angle for the reception of the wood to be sawed, one strap passing between the guide and the hanger, the lever being recessed to re-

ceive said guide, the lower ends of the straps being brought together below the lever, and a



fulcrum element connecting the lower ends of the straps with the hanger.

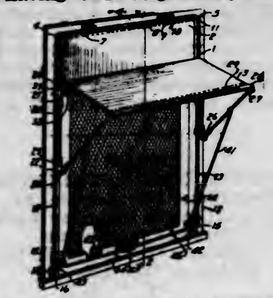
2,269,349
COOKING RANGE
Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application January 12, 1940, Serial No. 313,563
18 Claims. (Cl. 126—44)



4. A range having front and side walls, said front wall having inwardly directed flanges forming the side edges of a door opening in said wall, a bottom sheet secured to the side and front walls, partition sheets secured to said inturned flanges and forming sides of an oven chamber, a back sheet secured to the side walls and the partition sheets, a pan-like liner sheet having flanged edges supported on the upper edges of the partition sheets, a horizontal partition member supported by the partition sheets above said liner sheet and constituting the bottom of a burner chamber and cooperating with said liner to form an oven ventilating passage over the top of said oven having connection with the oven and burner chambers respectively, a grid supported on the front and side walls in covering relation with the burner chamber, a cover for the grid, a tie bar fixed to the side walls, and means hinging the cover to the tie bar.

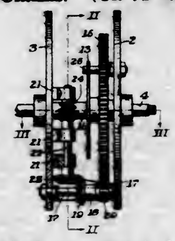
2,269,350
AWNING
Roy J. Williams, Topeka, Kans.
Application September 26, 1940, Serial No. 358,445
9 Claims. (Cl. 156—44)

4. In an awning structure of the character described, a frame, a carriage reciprocably mounted on said frame, a roller on said carriage, a frame pivotally mounted on said carriage, and awning material having ends respectively mounted on



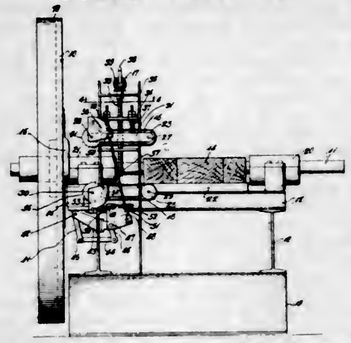
said frames and intermediate portions engaged with said roller.

2,269,351
MECHANICAL MOVEMENT
Robert Lloyd Barrish, Pittsburgh, Pa.
Application September 20, 1940, Serial No. 357,581
10 Claims. (Cl. 74—280)



1. A mechanical movement for transmitting rotary motion in one direction only, comprising a driving member, a driven member, an intermediate member, an irreversible train of gears for driving the intermediate member only when the driving member is moving in one direction and which transmits motion directly to the driven member when the driving member rotates in the opposite direction.

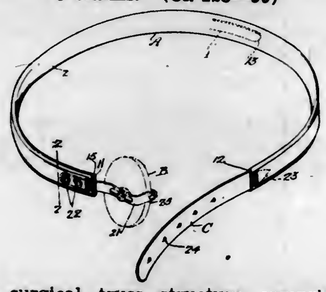
2,269,352
WOODCUTTING MACHINE
John J. Bacon, Gasport, N. Y.
Application May 2, 1939, Serial No. 271,338
3 Claims. (Cl. 144—176)



1. A machine for cutting slats from wooden blocks comprising a disc having an adjustable blade and cam surfaces thereon, means for feed-

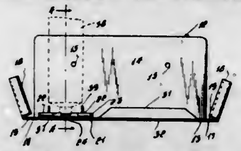
ing said blocks to said disc, said means clamping said blocks therebetween, a ratchet wheel for actuating said feeding means, a plurality of pawls of varying length operable upon said ratchet wheel and means responsive to the action of said cams for actuating said pawls, resilient means interposed between said cam responsive means and said pawls, and means to rotate said disc.

2,269,353
SURGICAL TRUSS STRUCTURE
John A. Chesterman, Philadelphia, Pa., assignor to Chesterman Leeland Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 12, 1941, Serial No. 378,671
6 Claims. (Cl. 128—99)



1. A surgical truss structure comprising a body-embracing spring, a body-contacting pad adjacent one side and extending along the length of said spring, a sheathing for said spring composed of a single strip of flexible material folded transversely about the spring along the length thereof, and a row of stitches securing marginal portions of the strip together between the spring and the pad.

2,269,354
TOILET APPLIANCE
William T. Dollar, Riverside, Calif.
Application May 28, 1941, Serial No. 395,651
12 Claims. (Cl. 132—84)

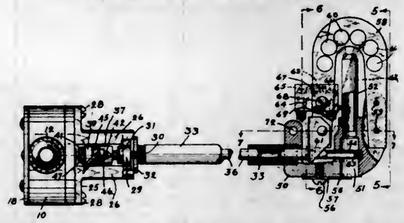


1. A toilet device comprising a substantially flat base member having an upset rear wall, a leaf member hingedly connected at one of its ends to the upper side of the forward edge of said base member, and adjacent one side edge thereof, a second leaf member hingedly connected at one of its ends to the opposite end of said first leaf member, said leaf members being adapted to be disposed one above the other on the base, said upper leaf member being provided with means adjacent its free end for releasably engaging the neck of a paste tube for supporting the paste tube in an inverted position thereabove, the side edge of said base, remove to the side edge adjacent to which said leaf members are disposed, being provided with upwardly and outwardly projecting socket portions for engaging the handle ends of toothbrushes, said base member being provided with a front wall extending from adjacent said leaf members toward the side edge thereof which is provided with said socket members, and said leaf members, front and rear walls and socket members combining to form a drinking glass holding recess in said base member.

2,269,355
MANUFACTURING OF ZINC OXIDE
Cornelius Raymond Beringer, Pestszenterzsebet, Hungary, assignor, by mesne assignments, to Cornelius Raymond Beringer, Eugen Horvát, Ernst Horvát, Ferdinand Solt, and Alfred Spiegel, all of Budapest, Hungary
Application September 26, 1936, Serial No. 102,751
In Germany September 28, 1935
3 Claims. (Cl. 23—148)

1. A method of manufacturing zinc white pigments which consists in melting in a chamber a metal containing zinc and impurities such as lead, passing a stream of oxidizing gas through the chamber above the surface of the molten metal to oxidize the zinc vapors generated from said molten metal and heating the bath in the chamber from above by means of the radiated heat produced by said oxidation to generate further zinc vapors, periodically interrupting the oxidation by eliminating the passage of the oxidizing gas and substituting therefor a stream of non-oxidizing gas above the molten metal to thereby reduce the temperature of the bath to a degree to prevent a violent boiling and bubbling of the bath, the zinc vapors generated during the flow of non-oxidizing gases being transferred by said flow into a separate chamber where they are oxidized.

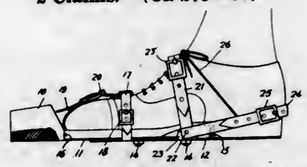
2,269,356
AUTOMATIC LIGHTER
Vilynn O. Beam, Cleveland Heights, and Julius Converse, East Cleveland, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application March 6, 1939, Serial No. 260,034
10 Claims. (Cl. 158—117.1)



1. Apparatus of the class described, comprising a valve unit, an electric contact unit and a lighter unit, said lighter unit comprising a U-shaped thermal element, a pilot arranged between the legs of said thermal element and an electric igniter in circuit with said contact unit, means for positioning and holding said units in definitely spaced relation, the principal planes of the valve and lighter units being at right angles to each other, means for adjusting one or the other of said last named units angularly around an axis connecting the said units, and means for adjusting the contact unit angularly about the same axis with respect to both the valve and lighter units.

5. In apparatus of the class described, a pilot, an electric igniter therefor, an electric circuit for said igniter, a normally open switch and a pair of normally closed contacts in said circuit, a thermally responsive element arranged to be expanded by the flame from said pilot, a tubular conductor for conveying gas to said pilot, a manual valve for controlling the flow of gas to said tubular conductor, an operative connection between said thermally responsive element and said tubular conductor for shifting the latter longitudinally when the thermally responsive element expands, a main burner valve, and means actuated by the longitudinal movement of said tubular conductor in response to the expanding action of the thermally responsive element for opening said main burner valve and separating said contacts.

2,269,357
FOOT MALLET
Theodore W. Dent, Hyattsville, Md.
Application March 11, 1940, Serial No. 323,442
2 Claims. (Cl. 273—67)



1. A foot mallet, a pair of sections constituting a plate adapted to underlie the sole of a shoe with one end projecting beyond the toe of the shoe, said sections having alined longitudinally disposed slots, bolts engaged in said slots to hold the sections against relative movement, a shoulder on one of said sections to engage the shoe heel to limit the rearward movement of said plate, straps to hold said plate upon the shoe, and a mallet head secured to the forward projecting portion of said plate.

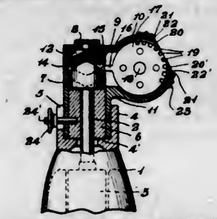
2,269,358
MOTOR DRIVEN RAZOR
George R. Ericson, Kirkwood, and John H. Klasey, St. Louis, Mo.
Application July 16, 1938, Serial No. 219,634
12 Claims. (Cl. 30—43)



1. In a dry shaver, a pivoted cutter bar having a plurality of hair receiving recesses therein, each of said recesses having sides formed at an acute angle defining an interrupted rectilinear cutting edge extending from end to end of said bar, a blade having a cutting edge traversing said recesses and cooperating with said sides to provide a shearing action, and means for moving both said cutter bar and said blade, to effect a shearing action.

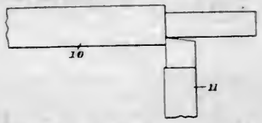
2,269,359
DRY SHAVER
George R. Ericson, Kirkwood, Mo., and Ralph T. Bassett, Washington, D. C.
Application January 27, 1938, Serial No. 187,292
10 Claims. (Cl. 30—43)

6. In a razor structure, a housing, a quickly detachable relatively thin resilient sheet metal blade having a continuous cutting edge, a rapidly shiftable shear member movable with relation to said blade, said shear member being formed with a multiplicity of relatively small spaced pockets, one wall of each of which includes a shearing edge, said shearing edges having intermittent resilient line contact with the



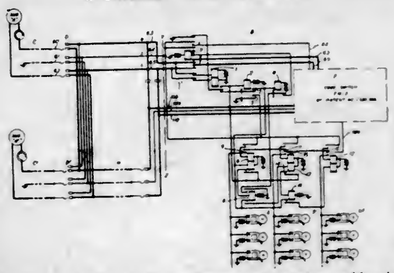
cutting edge of said blade, relatively short spaced wall portions further defining said pockets and normally engaging and supporting said resilient blade during movement of said shear member to and from engagement with said cutting edges, and means in said housing for shifting said shear member.

2,269,360
METHOD FOR TESTING THE MACHINABILITY OF FREE-CUTTING STEEL
Alexander Cruickshank, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1940, Serial No. 312,720
4 Claims. (Cl. 73—51)



1. In a method of determining the machinability of steel, the steps including machining a specimen of the steel with a tool having a useful life of only a few minutes compared to the life of a production tool, maintaining the cutting conditions constant, continuing the machining until the tool fails, and comparing the amount of machining effected by said tool prior to failure, with the results obtained from a similar tool on another specimen.

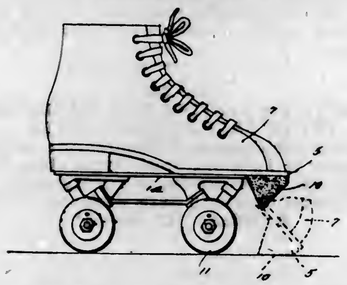
2,269,361
CODE CALLING SYSTEM
Donald Stevens Dewire, Delmar, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 19, 1939, Serial No. 291,096
3 Claims. (Cl. 179—18)



1. In a code call system, an automatic telephone exchange comprising a calling subscriber's

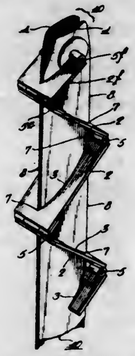
station, an automatic switch controlled by said subscriber, a called line terminating in a code switch and adapted to be seized by said automatic switch, a signal line extending from said code switch, said code switch being adapted to be controlled over said called line by said subscriber to transmit different combinations of electrical impulses to said signal line, a plurality of independent groups of signal devices normally disconnected from said signal line and single means associated with said called line intermediate said automatic switch and code switch adapted to be controlled by said subscriber prior to control of said code switch to selectively connect any one of said groups of signal devices to said signal line.

2,269,362
ROLLER SKATE ATTACHMENT
John G. Daniska, Vandergrift, Pa.
Application July 3, 1940, Serial No. 343,859
6 Claims. (Cl. 36—1)



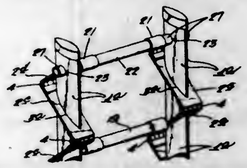
1. An attachment for skate shoes comprising a hard rubber block, means for securing the block to the under side of the sole of the shoe at the toe portion thereof, the lower surface of said block being inclined forwardly and upwardly for flatwise engagement with the ground upon a forward tilting movement of the skate.

2,269,363
COLLAPSIBLE STRUCTURE
Hiram A. Farrand, Berlin, N. H.
Application March 16, 1939, Serial No. 262,324
34 Claims. (Cl. 189—37)



14. In a compound supporting structure capable of variable lengthwise extensions, a flexible main body component, a stress resisting component separable from said main body and comprising a continuous extensible and collapsible system of distinct rigid elements connected for free, pivotal, relative movement adapted when extended to embrace said main body with each of the elements engaging the longitudinal edges of said main body independently of the other elements to maintain the structure rigid and for opposing distortion about the longitudinal axis thereof when said structure is in partially collapsed or extended condition.

2,269,364
COLLAPSIBLE STRUCTURE
Hiram A. Farrand, Berlin, N. H.
Application July 5, 1940, Serial No. 344,149
12 Claims. (Cl. 228—41)



1. A collapsible structure comprising a plurality of laterally spaced composite columns each including a plurality of resilient strips which collectively form the main body of the column, a series of bracing units each including a portion at each of the opposite ends thereof adapted to embrace one of said columns and an intermediate portion rigidly connecting said column-embracing end portions, and means pivotally connecting said bracing units.

2,269,365
DRESS SHIELD
Grace L. Fowler, Oklahoma City, Okla.
Application June 3, 1940, Serial No. 338,647
2 Claims. (Cl. 2—53)

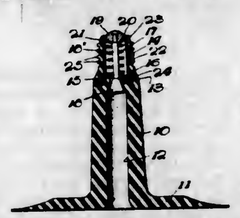


1. In a dress shield a flexible member of non-absorbing material formed intermediate its ends and transversely thereof with a substantially elliptical-shaped opening, said member being folded upon itself to provide a pair of folds having arcuate edge parts formed by the lengthwise edges of said opening, said edge parts being free of connection to each other, said folds merging into each other outwardly adjacent of the ends of said opening, said member including a pair of oppositely disposed apertured continuations of non-absorbing material integral with the outer face and correlating with the major portion of said folds to form a pair of pockets, the mouths of said pockets being located in proximity to the edge parts of said folds and a removable absorbing means seated on said edge parts and extended into said pockets.

2,269,366
IODINE-CONTAINING DYESTUFFS
Alan August Goldberg and Bertold Paul Heinrich Wiesner, Bradford-on-Avon, England, assignors to Ward Blenkinsop & Company Limited, Brooklands, Halewood, near Liverpool, England
No Drawing. Application June 18, 1941, Serial No. 398,688. In Great Britain April 16, 1940
10 Claims. (Cl. 260—178)

1. Iodine-containing dyestuffs consisting of a tetrazotised polynuclear diamine component coupled with a component of the group consisting of a naphthol monosulphonic acid, a naphthol disulphonic acid, an aminonaphthol monosulphonic acid, an aminonaphthol disulphonic acid, at least one of the components containing iodine in its molecule.

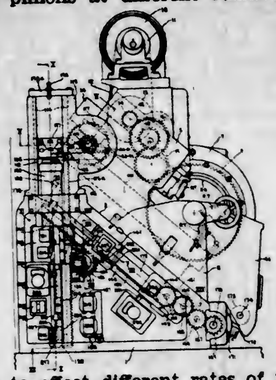
2,269,367
RUBBER VALVE STEM FOR PNEUMATIC TIRES
Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application February 16, 1940, Serial No. 319,359
1 Claim. (Cl. 152—429)



In a rubber valve stem of the type including a rubber body portion terminating at its extremity in a top portion which is reduced cross sectionally with respect to said body portion to be received freely and telescopically within the sleeve or chuck of air inflation means and wherein at least the tip end of the air passage through the stem is provided with a tubular metal insert which is entirely covered circumferentially by the rubber at said tip end, said rubber covering at the tip end of said stem being relatively thin as compared with the thickness of the wall of said rubber body portion, means on said relatively thin and metal-backed rubber wall at the tip end of the stem for effecting an airtight engagement with the inner surface of sleeves of chucks when detachably engaged therewith notwithstanding variations in the interior dimensions of such sleeves or chucks, said means comprising one or more exteriorly extending flexible ribs projecting from and integral with the rubber wall at said tip end of the stem and adapted to be flexed to variable extents by, while maintaining an airtight and readily attachable and detachable telescopic connection with, the inner surfaces of different sleeves or chucks.

2,269,368
HYDRAULIC FEEDING MECHANISM
William F. Groene and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 31, 1940, Serial No. 316,610
23 Claims. (Cl. 82—9)

5. In a lathe, a frame, pairs of oppositely reciprocatable tool bars mounted in said frame, a rack on each of said tool bars, co-axially mounted pinions engaging said racks, means for rotating said pinions at different relative rates of



rotation to effect different rates of movements for each of said pairs of tool bars in said frames.

2,269,369
PROCESS AND DEVICE FOR ELECTRIC ARC WELDING
Georg Hafergut, Weiz, near Graz, Germany, assignor to "Elin" Aktiengesellschaft für elektrische Industrie, Vienna, Germany, a joint-stock company of Germany
Application July 17, 1939, Serial No. 284,940
In Germany December 27, 1938
3 Claims. (Cl. 219—10)

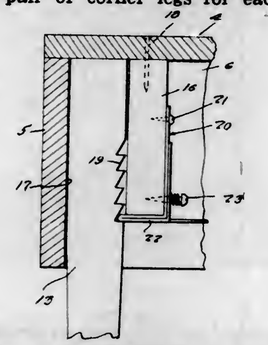


1. The process of welding work pieces together by electric arc welding with fully coated weld rods comprising placing the edges of the work pieces close together in the relative position in which they are to be joined together, placing an elongated fully coated weld rod longitudinally along the edges to be joined, covering and mechanically pressing on said weld rod with a rigid, solid body, supplying the weld rod and work with welding electric current so that an arc strikes from the end of the rod to the work and fuses the rod to join the edges of the work and travels longitudinally of the rod and work as the welding progresses while the rigid, solid body covering the weld rod substantially excludes the atmosphere from the welding zone and directs and guides the path of the arc and the flow of the slag, and constrains the weld rod, including the portion of the rod from which the arc is striking, to remain close to the edges of the work pieces to be joined by resisting tendencies of the weld rod to be deformed away from the work under the influence of the heat or other influences.

2,269,370
FOLDING TABLE
Gilbert A. Haibeck, Willmar, Minn.
Application May 20, 1940, Serial No. 336,277
2 Claims. (Cl. 311—90)

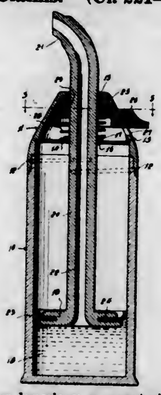
1. In a folding table a pair of folding rectangular box-like sections having sides and ends, hinges connecting sides of said sections together for unfolding into side-by-side relation with contiguous sides abutting and said sections opening downwardly whereby the bottoms of said sections form a top for the table, said sections being foldable on said hinges into edge-to-edge mating

relation to form a chest, a pair of partition bars fixed in said sections, respectively, alongside the detached sides thereof and laterally spaced therefrom, a pair of short posts fixed on each section between the detached side thereof and the partition bar thereof to form together with said detached sides and bars and the ends of the sections a pair of corner sockets in each section opening downwardly when said sections are unfolded, a pair of corner legs for each section



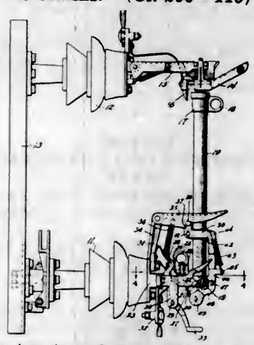
having upper ends adapted for insertion in the sockets thereof and removable therefrom, and means to detachably secure said ends of said legs in said sockets for endwise adjustment into different set positions to level the table, said partition bars together with said posts and detached sides of the sections forming a pair of elongated side pockets in said sections, respectively, for the storage of said legs in pairs therein when detached.

2,269,371
FOOD DISPENSER
Carl Hammerschmidt and Rudolph Goldschmid, Milwaukee, Wis.
Application March 7, 1940, Serial No. 322,830
5 Claims. (Cl. 221—78)



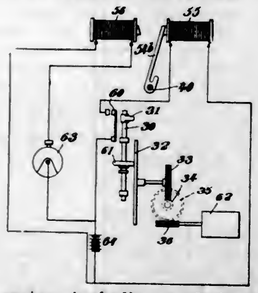
1. A dispenser having a container body, a piston operable therein having a discharge nozzle extending through one end of the body, an elastic head adjustable along the nozzle operable to depress the nozzle to eject the contacts of the container body, a removable cap on said body mounting the head, said head having friction contact with the nozzle of a degree to normally cause the nozzle to normally move unitarily with the head in both directions but to permit the nozzle to be adjusted relatively to the head, spring means abutting and urging the head to uppermost position, a partition in the cap abutted by the spring means, said cap having an opening, and a lug extending from said head through said opening for engagement to depress the head.

2,269,372
PUSH-OUT FUSE
Tomlinson F. Johnson, Atlanta, Ga.
Application March 12, 1940, Serial No. 323,613
12 Claims. (Cl. 200—116)



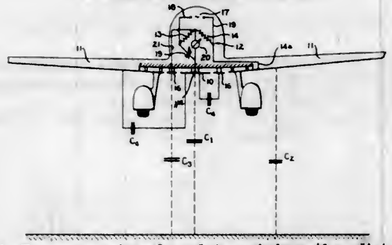
1. A high tension electric fuse assembly of the class described comprising, in combination, a pair of vertically spaced insulators; an upper contact and a lower bearing support mounted on said insulators; an expulsion fuse unit including a tube pivotally and removably mounted in said bearing support and having a fuse wire therein; lever means connected to said unit biasing it to swing outwardly; and means also connecting said lever means to the fuse wire to maintain the fuse wire under tension, whereby the lever means will be released when the fuse blows.

2,269,373
REMOTE CONTROL FOR SERIAL CAMERAS
Isaac Kitroser, Viroflay, France, assignor to Société Bronzavia, Courbevoie, Seine, France, a society of France
Application October 11, 1938, Serial No. 234,440, which is a division of application April 21, 1937, Serial No. 138,254. Divided and this application July 24, 1939, Serial No. 286,242. In Belgium April 25, 1936
7 Claims. (Cl. 88—16)



1. In a system including a photographic camera having shutter means; an electromagnet having an armature movable between two positions, means to impart intermittent electric impulses to said magnet, means connected to said armature to release said shutter means when said magnet is energized to move said armature to a first position, an electric motor, means to reset said shutter means, film-feeding means, coupling means between said motor and said resetting and feeding means, means connecting said armature and said coupling means to engage the coupling means when the magnet is energized to move said armature to said first position, means to hold the armature in said first position, and means operable after a predetermined movement of said film-feeding means to move said armature to the other of said positions.

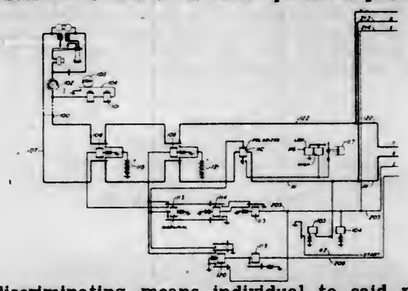
2,269,374
APPARATUS FOR MEASURING THE DISTANCE OF AN AIRPLANE ABOVE THE EARTH
Karl Kühnemann, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application April 26, 1940, Serial No. 331,892
In Germany April 27, 1939
4 Claims. (Cl. 177—352)



1. In apparatus for determining the distance of an aircraft above that portion of the earth's surface directly below the craft, an electrical bridge arrangement having two joining arms thereof provided with resistor means, a variable condenser in a third arm of said bridge joining with a free end of one of said first two arms, condenser means having one plate thereof defined by a conductor mounted on said craft and the other plate thereof by the earth's surface directly below said craft, means for screening said conductor from said craft thus preventing the formation of another condenser between said conductor and said craft, said condenser means constituting a fourth arm of said bridge having one end thereof connected to the free end of said third arm and the other end thereof with the free end of the other of said first two arms, a source of current connected across a diagonal of said bridge, and current flow responsive means connected across another diagonal of said bridge whereby upon a variation in craft altitude said bridge is unbalanced causing current flow to said responsive means, said variable condenser being manually operable an amount proportional to the altitude of said craft to balance said bridge.

2,269,375
TELEPHONE SYSTEM
Ray B. McCown, Maplewood, N. J., Harry Howard Schneckloth, Forest Hills, N. Y., and Robert William Smith, Maplewood, N. J., assignors of two-thirds to American Telephone and Telegraph Company, a corporation of New York, and one-third to Bell Telephone Laboratories, Incorporated, a corporation of New York
Application August 11, 1939, Serial No. 289,674
12 Claims. (Cl. 179—6.3)

1. In a telephone system, a pay-station line, an impulse sender and a coin receiving device at said pay-station, a subscriber's line, an operator's position, an automatic switch, means responsive to the deposit of a coin in said device for extending said pay-station line to said automatic switch, means responsive to impulses sent over said pay-station line for directively operating said switch to extend a call either to said subscriber's line or to said operator's position,



discriminating means individual to said pay-station line and dependent on the impulses transmitted for determining whether the call is being extended to said subscriber's line or to said position, and means controlled by said discriminating means for automatically refunding the deposited coin.

2,269,376
DIFFUSER FOR THE OUTLETS OF AIR DUCTS
Cortland N. O'Day, Port Washington, N. Y., assignor to Air Devices Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1939, Serial No. 300,889
10 Claims. (Cl. 98—40)



1. Diffuser for the room outlets of air ducts comprising in combination with the wall of the outlet and the adjacent ceiling wall, hangers extending from spaced points downwardly from said outlet, a baffle plate supported by intermediate parts of said hangers arranged transversely of the direction of air flow through said outlet, encompassing an air passage communicating with said outlet, said baffle plate comprising a downwardly inclined inner band bounding said air passage and an upwardly inclined peripheral band convergent toward the ceiling, forming therewith a peripheral nozzle of converging cross-section, increasing the velocity of air discharging through said nozzle, and a central baffle plate supported by the lower parts of said hangers, underlying said air passage and underlapping the downwardly inclined band of said encompassing baffle plate, the lapping portions of said baffle plates being cooperably outwardly convergent, forming a peripheral nozzle for increasing the velocity of the air discharged between said baffle plates.

2,269,377
COMPOSITION OF UNVULCANIZED CREPE RUBBER
Morris Omansky, Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 23, 1938, Serial No. 242,043
1 Claim. (Cl. 260—765)

A process of producing unvulcanized crepe rub-

ber soling having substantially the characteristics of unmilled unvulcanized crepe rubber which comprises preparing a master batch from unmilled crepe rubber and silica aerogel having an apparent density less than 15% of the actual density, adding unmilled unvulcanized crepe rubber in such amount that the composition contains from substantially 2% to 10% of the aerogel and completing the milling step at a relatively low temperature and in the minimum time required to attain a homogeneous composition.

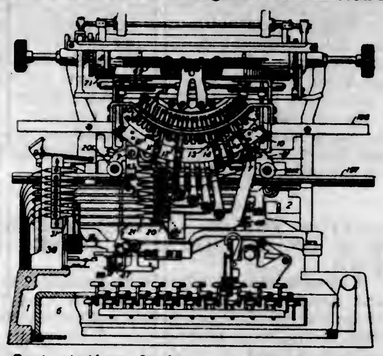
2,269,378
ADJUSTABLE HONE
John J. Palotce, Youngstown, Ohio
Application June 6, 1941, Serial No. 396,916
17 Claims. (Cl. 51—184.3)



1. An adjustable hone, comprising a spindle provided with spaced polygonal enlargements having their outer faces axially aligned and tapering at the same angle to the spindle axis and in the same direction; a plurality of longitudinally disposed hone holders around the spindle embracing the spaced enlargements and having correspondingly tapered inner faces seated upon the corresponding aligned outer faces of the spaced enlargement; said holders corresponding in number with the number of faces of an enlargement; segmental hones in the respective holders adapted when the holders are contracted to form a cylindrical abrasive surface around the spindle; extensions at the ends of each holder having their outer faces inclined towards the axis of the spindle; a collar axially movably mounted at one end of said spindle and disposed at one end of the holders and having a conical recess receiving the adjacent holder extensions; said spindle having an axial bore in its opposite end; and a second collar at the opposite end of the holders having a tubular extension slidably engaging the bore and yieldably connected with the spindle and having a conical recess receiving the adjacent holder extensions, whereby when the spindle is moved axially of the first mentioned collar the contacting tapered surfaces of the holders and spindle will adjust the holders radially of the spindle while the said collars will yieldably retain the holders on the spindle.

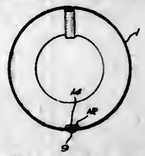
2,269,379
TELETYPEWRITER SWITCHING SYSTEM
Oscar McDonald Patton, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 9, 1939, Serial No. 278,348
41 Claims. (Cl. 178—4)

1. A communication system including in combination a first teletypewriter station having a teletypewriter with a movable carriage, means for moving said carriage along a fixed path of travel, a plurality of other teletypewriter stations each provided with a teletypewriter, means for transmitting signals from the first station to these other stations, a plurality of control means mounted on said movable carriage for determining which of the teletypewriters at these other stations shall record the signals transmitted from



the first station during a particular period of time.

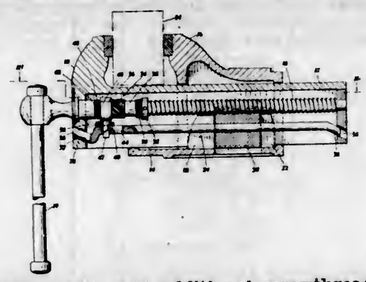
2,269,380
OVERALLS
Austin S. Plimpton, Worcester, Mass., assignor to Interstate Sales Corporation, Boston, Mass., a corporation of Massachusetts
Application September 18, 1940, Serial No. 357,238
2 Claims. (Cl. 2—227)



1. An improved overall construction including a leg portion having a tuck formed therein, said tuck adapted to take up material from the leg portion and provide mid-sections therein of reduced circumference, said tuck being further formed of a triangularly shaped piece of material folded upon itself and secured by one line of stitching extending longitudinally of the overall leg, and by a second line of stitching extending circumferentially of the overall leg, said leg portion being folded at its outer lower end along diverging lines adapted to include amounts of material greater than that included by the said tuck, the folded parts of said leg portion terminating at a point adjacent the said tuck, the upper extremities of said folded parts being secured in overlapping relation by the said line of stitching extending circumferentially of the leg portion, and said folded parts of the leg portion at their lower ends being adjustably secured together along a line extending generally longitudinally of the overall leg thereby to reduce the circumference of the lower end of the leg portion to a size less than the reduced circumference of the said mid-section thereof.

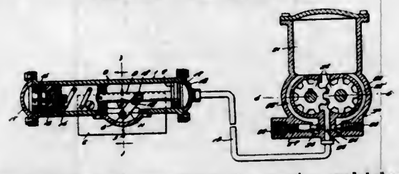
2,269,381
WORK-HOLDING VISE
John Watson Robertson, London, England
Application December 30, 1940, Serial No. 372,465
In Great Britain January 9, 1940
7 Claims. (Cl. 81—36)

1. The combination with a work-holding vise having a half-nut mounted in guides to move into or out of engagement with the screw spindle, of means for automatically engaging or disengaging the half-nut as a consequence of the rotation of the screw spindle comprising an additional screwthread formed on a part of the screw spindle which is normally unthreaded, a nut co-



operating with said additional screwthread and an operative connection between the said nut and the said half-nut.

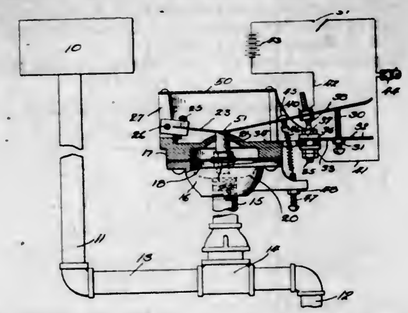
2,269,382
HYDRAULIC ACTUATED GOVERNOR CONTROL
Clarence C. Schmidt, Reynoldsburg, Ohio
Application March 29, 1940, Serial No. 326,798
1 Claim. (Cl. 137—139)



In a hydraulic governor for motor vehicles, a supporting member having a passage therethrough, a shaft journaled in the supporting member, a valve connected with the shaft located in the passage, a cylinder attached to the supporting member and having a slot therein, an arm connected with the shaft and passing through the slot into the cylinder, a piston in the cylinder, a rod connected with the piston, a projection carried by the rod, said arm having a slot therein for receiving the projection, a slide member in the cylinder connected with the rod, said slide member and the piston having the slot in the cylinder and the slotted arm of the shaft located between them and spring means in the cylinder engaging with the slide member and tending to hold the piston against movement by pressure fluid in the cylinder, the arm carrying end of the valve shaft being enclosed by a part of the cylinder, a nut threaded in the cylinder and forming a seat for the outer end of the spring and a bolt threaded in a hole in the nut and acting as an adjustable stop for limiting movement of the piston rod by the pressure fluid.

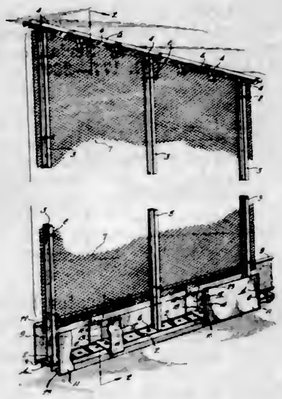
2,269,383
LEVEL ALARM SWITCH
Arthur W. Schultz, Allentown, Pa.
Application November 28, 1940, Serial No. 367,663
14 Claims. (Cl. 200—83)

1. In an apparatus of the character described, in combination, a diaphragm casing having a diaphragm and stem operated thereby and adapted to be subjected to fluctuations in fluid pressure, a spring arm pivotally mounted at one end to the diaphragm casing and having a support at its opposite end, a spring normally urging said spring member into engagement with one of its supports and the diaphragm stem, and cooperating contacts adapted to actuate an



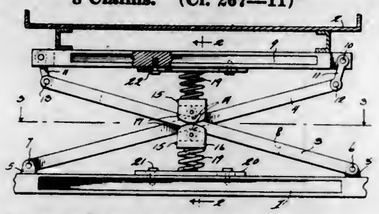
alarm, said contacts being mounted respectively on said spring arm and the diaphragm casing.

2,269,384
METAL BASE FOR WALL CONSTRUCTION
Arthur V. Spinosa, Parkersburg, W. Va., assignor to Penn Metal Company, Inc., Parkersburg, W. Va., a corporation of Delaware
Application September 14, 1939, Serial No. 294,951
9 Claims. (Cl. 72—46)



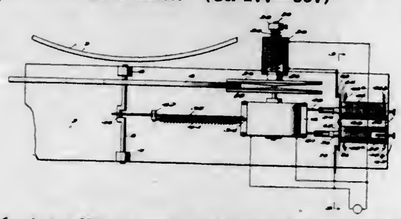
1. In a metal base for partition structures, a floor runner in the form of an inverted channel having in its transverse web apertures for reception of upstanding studs, base plates extending at opposite sides of said runner, and clips for supporting said base plates in upright position, each said clip comprising a transverse member extending over the top and being deflected downwardly at each side of said runner and terminating in an upright arm, a reversely turned marginal flange at the lower edges of said plates forming a socket for reception of the lower ends of said clip arms, a reversely turned terminal flange at the upper edges of said plates forming a socket for reception of the upper ends of said clip arms, said arms being normally of lesser effective length than the space between said upper and lower flanges and having means providing for extension of the arms to bring the upper ends thereof into interlocked engagement with said upper flanges.

2,269,385
LOAD EQUALIZING DEVICE
Rubie Lee Tipton, Bakersfield, Calif., assignor of twenty-five per cent to Raymond W. Henderson, and twenty-five per cent to Calvin E. Harbin, both of Bakersfield, Calif.
Application April 12, 1941, Serial No. 388,311
8 Claims. (Cl. 267—11)



1. An equalizing body supporting structure, comprising a pair of relatively long crossed lever members, the levers being free of connection one with the other, means forming a fixed horizontal pivot for a lower end of each lever member, a body disposed horizontally above said lever members, a pivotal connection between the upper end of each lever member and said horizontal body, and a vertically disposed spring interposed between said horizontal body and the crossed lever members and supported from the lever members in the angle formed therebetween.

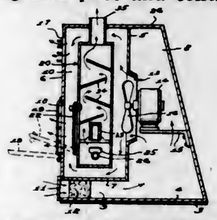
2,269,386
TRAFFIC CONTROL TIME INDICATOR
Bruce B. Watts and Ed Fackler, Jr., Corning, Iowa
Application January 23, 1941, Serial No. 375,676
11 Claims. (Cl. 177—337)



1. A traffic control time indicator including a revolving disc, having indicia thereon, said disc having the double function of mounting the indicator and also serving as a mechanically engaged part of the friction drive, a motor, magnetically controlled means engaging said motor with the said disc, and magnetic circuit maker-breaker means controlling the magnetic motor engaging means.

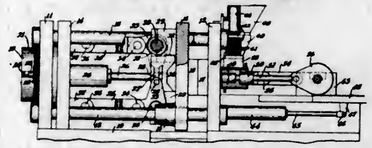
2,269,387
FURNACE
Carl Harold Weaver, Fresno, Calif.
Application March 25, 1940, Serial No. 325,867
1 Claim. (Cl. 126—110)

A furnace comprising a cabinet including a front wall having air intake and discharge openings therein and a side wall having a draft opening therein, a vertical partition in the cabinet separating the same into a front heating chamber and a rear air chamber, said heating chamber having a bottom spaced above the bottom of the cabinet to provide an air intake passage communicating with said air intake opening in the front wall, a casing mounted in the heating chamber in spaced relation to the walls thereof and forming a combustion chamber, said combustion chamber comprising a lateral extension to said side wall of the cabinet and communicating with the draft opening therein, a burner, including a pilot light and control valve mounted in the combustion chamber, the extension accommodating said pilot and control valve, said



partition having an opening therein behind the central portion of the casing, and a fan positioned in said last-named opening for blowing air from the rear air chamber into the heating chamber and around all of the sides of said last-named chamber.

2,269,388
EXTRUSION MOLDING MACHINE
Millard F. Weida, Louisville, Ohio
Application December 27, 1937, Serial No. 181,757
11 Claims. (Cl. 18—30)

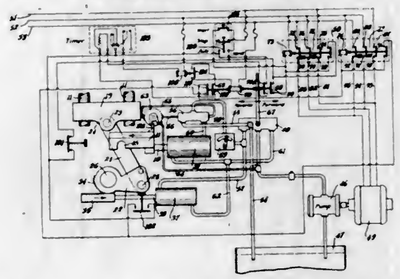


9. An extrusion molding machine including a mold, an injection cylinder communicating with the mold, a heating chamber surrounding said cylinder, a piston in said cylinder, a series of substantially upright measuring and heating tubes communicating with the cylinder, a heating chamber surrounding said tubes, a material containing hopper adapted to discharge the granular material into said measuring and heating tubes, means for alternately moving said hopper into position to register with the tubes, means for striking off the material deposited in the tubes to measure the volume of granular material for each injection cycle, a series of upright plungers in the upright tubes, and means for automatically moving the plungers through the tubes to compress material during the heating cycle, to discharge all the heated material into the injection cylinder when piston is in the back position and to entirely close the injection cylinder area by position of the plungers thereby preventing any back-up of material.

11. An extrusion molding machine including a spaced pair of stationary forward and rear supports, guide rods connected to said supports, a sliding platen mounted on said guide rods, complementary mold sections carried on the forward support and the sliding platen, a nut rotatably mounted in the rear support, an adjustable head mounted upon said guide rods and having an externally threaded extension engaging said nut and providing lateral adjustment for mold thickness, a cylinder carried by the adjustable head, a plunger mounted in the cylinder and adapted to be reciprocated toward and from the sliding platen, levers carried on the platen, interengaging means on the plunger and levers, a link pivotally connected at one end to each lever and at the other end to the adjustable head, an injection cylinder communicating with the mold

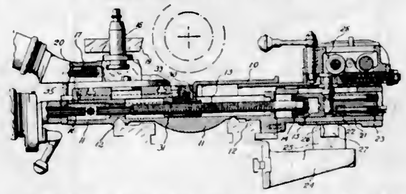
sections and an injection piston in said cylinder for discharging plastic material from the cylinder into the mold cavities.

2,269,389
MOLDING PRESS
Millard F. Weida, near Louisville, Ohio
Application March 4, 1938, Serial No. 193,965
9 Claims. (Cl. 18—16)



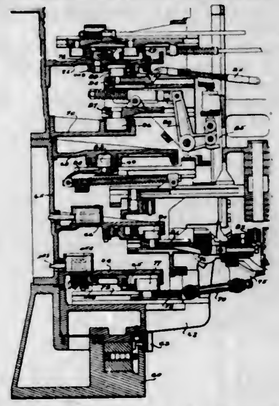
9. A molding press including a stationary mold section, a movable mold section, a pair of toggle levers pivotally connected together, one lever being pivotally connected to said movable mold section, a rotatable shaft to which the other lever is fixed, a gear upon said shaft, a low pressure fluid cylinder having a piston rod, a rack upon said piston rod engaging said gear for rotating said shaft to move the toggle levers until the mold sections are nearly closed, a pin upon one of the levers adjacent to the pivotal joint of the levers, a high pressure fluid cylinder having a piston rod provided with a shoulder positioned to be engaged and moved by said pin, a valve for operating the high pressure fluid cylinder, and means upon the piston rod of the high pressure cylinder for opening the valve and starting the high pressure fluid cylinder when the pin engages and moves said shoulder whereby the last named piston rod will further move the toggle levers in order to fully close the mold sections.

2,269,390
CROSS SLIDE FOR LATHES
Alexander G. Whitehead, East Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application August 6, 1940, Serial No. 351,613
6 Claims. (Cl. 82—17)



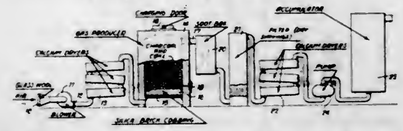
1. A cross slide operating mechanism for lathes comprising in combination, a lathe carriage, a cross slide movable thereon, a screw mounted in said carriage, a nut mounted in said slide and engaging said screw, means to rotate said screw, means to axially reciprocate said screw, a supplementary nut on said screw adjacent said first mentioned screw, and means operable from the front of said cross slide to rotate said supplementary nut into and out of contact with said first mentioned nut.

2,269,391
MACHINE FOR MOLDING GLASS ARTICLES
Russell G. Allen, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 7, 1939, Serial No. 266,627
30 Claims. (Cl. 49—14)



5. The combination of a rotating carriage, mechanism thereon to be operated, a plurality of cams individually controlling separate operations of said mechanism, said cams being adjustable to adjustably vary the time at which the respective operations of said mechanism are effected during the rotation of the mold carriage, adjusting units individual to said cams and operatively connected thereto for effecting said adjustments, a motor, power transmission mechanism driven by said motor, a selector operable to connect said adjusting units singly and in succession with said transmission mechanism, a selector motor for operating said selector, power transmitting mechanism between said selector motor and the selector, including means for effecting a step by step movement of the selector when its motor is in operation, said step movements of the selector effecting a driving connection of the said adjusting units to their driving motor in succession, and indicating means indicating when a selected adjusting unit is operatively connected to its driving motor and indicating the position to which the corresponding cam is adjusted.

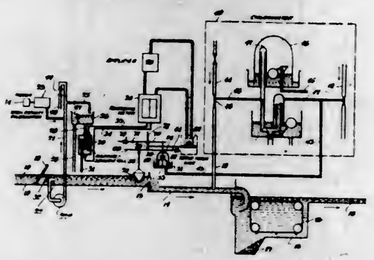
2,269,392
PROCESS AND APPARATUS FOR MAKING GAS
Luther W. Bahney, Elizabeth, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 16, 1939, Serial No. 273,895
5 Claims. (Cl. 252—373)



1. The method of making a dry producer gas which is composed principally of carbon monoxide and nitrogen and which is non-oxidizing in character, which comprises, maintaining a deep glowing bed of fuel composed of a volumetric mixture of 50% to 90% dry coke and 50% to 10% dry charcoal upon an openwork

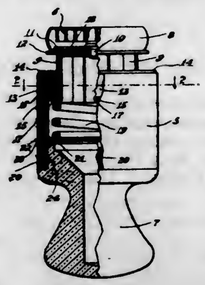
support in a gas producer, and passing air through the support and fuel bed to generate the gas.

2,269,393
PROCEDURE AND APPARATUS FOR CONTROLLING THE TREATMENT OF FLOWING MATERIAL
David Crampton, Montclair, N. J., assignor to Wallace & Tiernan Co. Inc., Belleville, N. J., a corporation of New York
Application April 7, 1939, Serial No. 266,595
23 Claims. (Cl. 210—28)



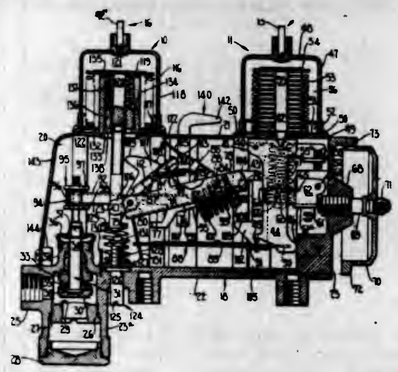
1. A method of controlling the treatment of a flowing material, comprising subjecting the material to a principal treatment, detecting changes in demand by subjecting a portion of the untreated material to a similar test treatment which modifies the condition of the material in a detectable manner and detecting variations in the condition of the resulting treated portion relative to a predetermined standard, and varying the principal treatment of the material in response to said variations in condition, to cause said principal treatment to follow the detected changes in demand.

2,269,394
ELECTRIC LIGHTER FOR CIGARS, CIGARETTES, ETC.
Charles H. Cuno and Sidney L. Wolfson, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application September 12, 1936, Serial No. 100,406
6 Claims. (Cl. 219—32)



1. A cigar lighter plug having a hollow body portion, a heater carried in rear of said body portion, a tube supporting said heater and slidable with respect to said body portion, said tube having raised longitudinal ribs stamped up therefrom to constitute bearing surfaces for engagement with a complementary bearing surface on the hollow body portion.

2,269,395
REFRIGERATION CONTROL APPARATUS
Earnest J. Dillman, Detroit, and George E. True, Grosse Pointe Farms, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 26, 1940, Serial No. 331,738
9 Claims. (Cl. 137—139)



7. In a control device, a supporting casing, a plurality of downwardly directed power exerting elements mounted in lateral relation on said casing, substantially parallel thrust members extending toward the bottom wall of said casing and operable one by each of said elements, an overcenter lever mechanism comprising an actuating lever and a main lever having a transverse arm, a spring interposed between said levers and operable on movement of said main lever to move said actuating lever, clutch mechanism operable to connect one of said thrust members to said main lever, a lever member in opposed relation to said arm and having an end portion engageable by the other of said thrust members, a link loosely supported by said lever member and positioned between and for transmitting the thrust of said lever member to said arm, and a control means carried by said casing and operable by said actuating lever.

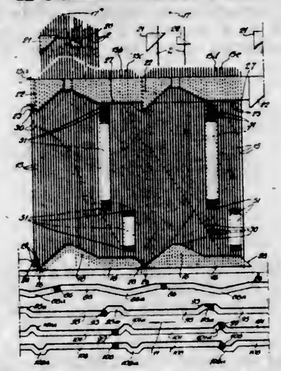
2,269,396
MATERIAL FOR DESTROYING VEGETATION
David W. Jayne, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 11, 1939,
Serial No. 283,739
9 Claims. (Cl. 167—45)

1. A herbicide including an aqueous carrier, calcium thiocyanate in an effective amount and a water-soluble salt of a disubstituted dithiophosphoric acid, the substituent being chosen from the group consisting of alkyl, aryl and alkylaryl.

2,269,397
COMPOSITION OF MATTER
John L. Osborne, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 21, 1939,
Serial No. 285,689
4 Claims. (Cl. 167—45)

1. A vegetation killing composition including water soluble calcium thiocyanate in an effective amount.

2,269,398
CIRCULAR KNITTING MACHINE
J. Stanley Preston, Bronxville, N. Y., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York
Application October 14, 1938, Serial No. 234,882
11 Claims. (Cl. 66—50)



1. In a knitting machine, a circular bank of stitch-forming elements, a pattern mechanism, a lot of members rotatable around the axis of said bank to control the action of said stitch-forming elements, and a group of coupler members to control the action of said lot of controlling members, said lot of members rotating with respect to said pattern mechanism and group of coupler members and said coupler members acting on the members of said lot to transmit the pattern calls thereto as the rotation of the lot carries the lot past the group, the coupler members and the members of said lot being so located with respect to each other that the first member of said lot arrives at the position of the coupler member serving it before the last member of said lot arrives at the position of the coupler member serving such last lot member and the coupler members can act on the members of the lot at a rate higher than the rate at which said stitch-forming elements act in forming stitches.

2,269,399
DISUBSTITUTED CYANAMIDES
Richard O. Roblin, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 23, 1939,
Serial No. 275,220
4 Claims. (Cl. 260—551)

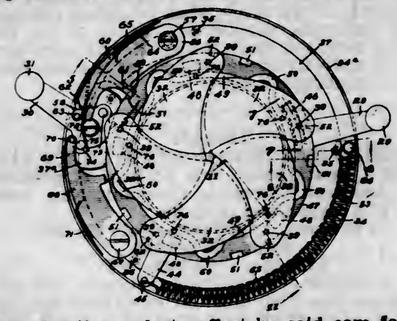
1. As a new compound, a disubstituted cyanamide of the formula—



where R represents a substituted aryl radical and R′ represents an aralkyl radical.

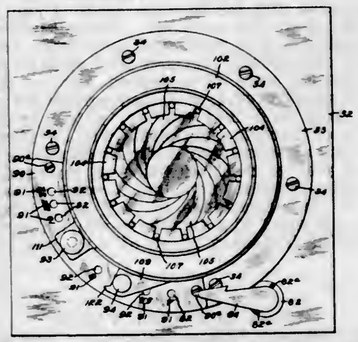
2,269,400
HIGH-SPEED BETWEEN-THE-LENS PHOTOGRAPHIC SHUTTER
Oscar Steiner, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application November 30, 1940, Serial No. 368,011
23 Claims. (Cl. 95—63)

1. A between-the-lens photographic shutter having a series of leaves movable reciprocatingly to and fro to complete a single opening-and-closing act, a cam ring having a continuous cam path including a series of spaced cam formations, means operatively connecting said leaves to said cam path with its said cam formations to impart a to and fro movement of reciprocation to said leaves to complete each single opening-and-closing thereof, and means to move said cam ring in



one direction only to effect by said cam formations all opening and closing movements of said leaves, said last mentioned means being operatively connected to said cam ring to turn it by steps in said one direction only, but at each such turning movement to turn it only to the extent of such part of a complete rotation of said cam ring as is necessary to cause the said shutter leaves to open and then to close in a single, complete, to and fro movement.

2,269,401
LENS MOUNT FOR PHOTOGRAPHIC CAMERAS
Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application January 12, 1940, Serial No. 313,534, now Patent No. 2,236,925, dated April 1, 1941. Divided and this application February 4, 1941, Serial No. 377,317
5 Claims. (Cl. 95—64)



1. A lens mount for photographic cameras and like purposes, including, in combination, a lens barrel, a diaphragm ring having diaphragm means, a diaphragm, stop-setting, adjusting ring, and a diaphragm actuating ring free to be turned to stop down the lens aperture, said rings all being concentric with the lens barrel, and a long, thin, metal, diaphragm-return spring (81) having one end thereof connected to said lens barrel and the opposite end thereof connected to said

diaphragm actuating ring, said spring being wrapped in a spiral a plurality of turns in the same transverse path about said lens barrel, said spring being of greatly elongated rectangular form in cross section, and thus being of prolonged width compared with its thickness, the said spring, because of its said structure and end connections, imparting a substantially equal force to said diaphragm actuating ring throughout the movement of the latter, thus providing substantially the same amount of tension at the end of its travel as at its start thereof, and permitting a lower over-all spring tension for the operation of the diaphragm ring.

2,269,402

METHOD OF PURIFYING ETHYL LACTATE

Farris S. Swackhamer, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 17, 1940, Serial No. 346,057
5 Claims. (Cl. 260—484)

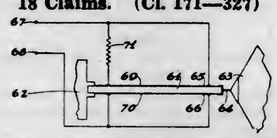
1. A method of removing soluble iron and copper impurities from ethyl lactate which includes the step of reacting said metal constituents with oxalic acid and filtering off the insoluble metallic oxalates.

2,269,403

PIEZOELECTRIC UNIT

Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application August 3, 1940, Serial No. 350,845
18 Claims. (Cl. 171—327)



1. A piezoelectric transducer unit which comprises the combination of: a plate-like member of piezoelectric material; electrode means associated with said plate-like member, and comprising: a first pair of electrodes in register with each other and on opposite sides of the piezoelectric plate-like member, thereby effectively electroding a first portion of the latter; a second pair of electrodes in register with each other and on opposite sides of a second portion of said plate-like member, said second portion being distinct from said first portion; a low resistance circuit connecting said first pair of electrodes to a pair of terminals; a circuit connecting said second pair of electrodes to said terminals and including resistive impedance equal in magnitude to the impedance of said second portion when measured at a frequency which lies within the useful frequency range of said unit.

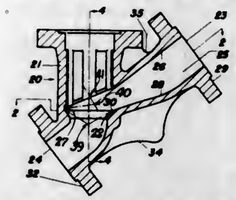
2,269,404

EDDY REDUCING VALVE

Hugh E. Haven, United States Navy, and James B. King, Philadelphia, Pa.

Application June 17, 1940, Serial No. 340,936
10 Claims. (Cl. 251—155)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A valve body having a through passage with a valve seat between its ends, one end portion of the passage forming an inlet and the other an outlet, said valve body having its seat directly connected to a circular-section outlet tube, said valve body having a streamlined eddy-reducing inlet channel leading smoothly from a circular-section outer end of the inlet passage to the valve seat, the said inlet being formed of surfaces at all points above an assumed plane running through the inlet end of the valve seat and the said inlet surfaces comprising an upper and a lower surface each being bounded and joined smoothly to a vertical peripheral channel surface, the upper and lower surfaces of said inlet



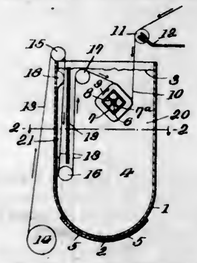
passage being so inclined to the axis of the valve seat that flow from the outer end of the inlet passage will be directed by said surfaces through the seat opening from around its entire periphery, said inlet passage providing a gradually increasing resultant cross-sectional area from the outer end of the inlet passage to the nearest side of the valve seat and thence a decreasing width of inlet passage to zero at a point coinciding with the most remote side of the valve seat without going therebeyond.

2,269,405

METHOD AND APPARATUS FOR WINDING COILS

Charles Philippe Boucher, Jersey City, N. J., assignor to Boucher Inventions, Limited, a corporation of Delaware

Application August 16, 1937, Serial No. 159,407
13 Claims. (Cl. 242—10)



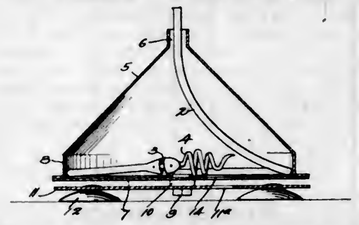
1. In the production of uniformly impregnated coils free of entrapped gas and moisture particularly adapted for high potential and high frequency electrical apparatus, the art which comprises, submerging a winding form in a fusible insulating and impregnating compound wholly beneath the surface thereof, passing flexible sheet insulation downwardly through the compound to a depth substantially greater than that of the form and then back up to the form to ensure that the hydrostatic pressure of the compound will remove substantially all bubbles of entrapped gases from the insulation, winding on the said form while in its submerged position desired layers of conducting wire and insulation, the wire and insulation being maintained continuously submerged in said compound from the time of their introduction until wound on the form, and heating the compound to a temperature somewhat above the boiling point of water in order to vaporize all moisture present in compound, wire and insulation.

2,269,406

PLUMBER'S SNAKE HOUSING SHELL

Hubert R. Crane, Los Angeles, Calif.

Application April 19, 1940, Serial No. 330,584
2 Claims. (Cl. 242—54)



1. A pipe snake set having, in combination, a bendable, resilient tool-rotating snake having a bulbous head, a housing shell having a top dome part having a central mouth for issue of the snake and whose lip diameter is less than and is engageable with its head to stop the snake withdrawal, a bottom fixedly attached to the shell, a stable horizontal platform, and coaxial means rotatively connecting the platform and said bottom; said bottom and platform having apertures eccentric to said connection and registerable to permit pushing the resilient snake by motion on its axis into the shell chamber for its normal expansion into coils on said bottom and to engage the shell wall, and the apertures being large enough to admit entry of the head but too small to admit of loops or coils of the snake made up before application to the shell.

2,269,407

ADDITION AGENT AND ITS USE IN THE TREATMENT OF IRON AND STEEL

James H. Critchett, Douglaston, and Walter Crafts, Niagara Falls, N. Y., assignors to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Original application April 14, 1938, Serial No. 201,931. Divided and this application December 1, 1938, Serial No. 243,325
2 Claims. (Cl. 75—58)

1. A composition of matter for use as an addition agent for treating molten ferrous metal, composed of between 50% and 65% silicon; at least one element of the group consisting of titanium, zirconium, cerium, hafnium, and thorium, in an aggregate percentage between 5% and 20%; at least one element of the group consisting of vanadium, columbium, and tantalum, in an aggregate percentage between 5% and 20%; the sum of the percentages of all elements of both of such groups being not over 25%; and iron as the remainder.

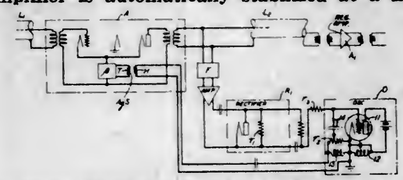
2,269,408

GAIN CONTROL CIRCUITS

Boris J. Kinsburg, Riverdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 14, 1940, Serial No. 356,715
8 Claims. (Cl. 178—44)

1. In combination, a signal transmission line including one or more signal amplifiers, means for transmitting pilot currents over said line, a regulating circuit responsive to level changes in the transmitted pilot currents to adjust the gain of each amplifier so as to compensate for the line attenuation changes and means to prevent the overloading of each amplifier with failure in the pilot current supply thereto comprising means making the characteristic of the regulating circuit such that the gain for each regulated amplifier is automatically stabilized at a fixed



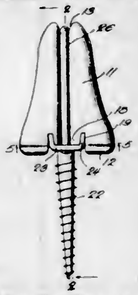
minimum value when the level of the controlling pilot currents is reduced below a certain value which is appreciably lower than the values which would cause normal regulation of the amplifier.

2,269,409

WIRE HOLDER

Samuel Waldrop McChesney, Jr., Carey, Ohio, assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Delaware

Application January 31, 1940, Serial No. 316,643
10 Claims. (Cl. 174—154)



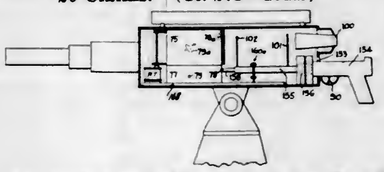
1. A wire-holder having an insulating body member with a flat base and a transverse wire-holding aperture, parallel spaced channels extending across the base, lands intermediate said channels, said member being grooved above and laterally of the transverse passageway, passageways extending from the grooved portion of the member to the base, a plate resting against said lands and having parallel flanges seated in the channels of the base, a strap in said grooved portion and said passageways and having its ends fastened to said plate, and a screw held by said plate for rotation therewith.

2,269,410

ELECTRICALLY OPERATED MACHINE GUN APPARATUS

Fred M. New, New York, N. Y., assignor to Fredcraft Corporation, New York, N. Y., a corporation of New York

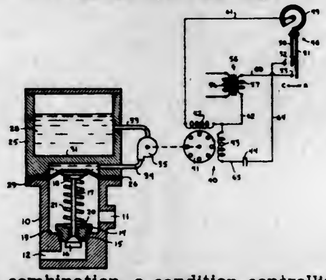
Application November 2, 1939, Serial No. 302,580
20 Claims. (Cl. 273—101.2)



1. An apparatus of the character described comprising a movable target having one contact point coordinated therewith, an aiming device

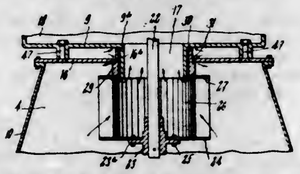
for said movable target and having another contact point, and electrical means provided in a circuit, said circuit being closable, when said contact points are brought into electrical engagement with each other, to indicate through said electrical means, if said movable target is properly aimed at by said device, said electrical means including groups of lamps positioned behind said movable target to illuminate the latter in accordance with the make and breaks of said contact points.

2,269,411
MOTOR CONTROL CIRCUIT
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 18, 1939, Serial No. 295,465
4 Claims. (Cl. 236—74)



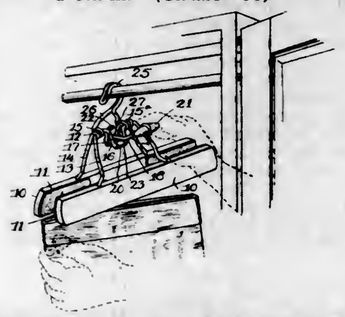
1. In combination, a condition controlling device, a motor for operating said device, said motor having two windings and means for displacing in phase the current through one of said windings and said motor being capable of running on one winding as a single phase motor after it has been started, a switch responsive to a condition indicative of the need for operation of said device, said switch having two sequentially engaging pairs of contacts, an energizing circuit for one of said motor windings controlled by one of said pairs of contacts and an energizing circuit for the other winding controlled by the other pair of contacts whereby said condition controlling device is not placed in operation until both sets of contacts are made and continues running until both sets of contacts are separated.

2,269,412
AIR SEPARATOR
Thomas J. Sturtevant, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a corporation of Massachusetts
Application July 18, 1940, Serial No. 346,184
6 Claims. (Cl. 209—144)



5. An air separator comprising a separating chamber, a cover plate for said chamber, said cover plate having an outlet through which is drawn from said chamber a stream of air carrying particles of desired fineness, a rejector fan within said separating chamber and adjacent to said outlet, said fan consisting essentially of a rotary cage of vanes adapted to sweep an annular space in said chamber below said outlet and thereby to cast from said stream oversized particles, said cage comprising a baffle plate arranged at a clearance adjacent to said cover plate and containing an opening substantially surrounding said outlet and in communication with said outlet, said clearance communicating with the atmosphere through said opening, and means for inducing flow of atmospheric air through said opening and thence through said clearance in a direction into the separating chamber while said entire stream of air carrying particles is passing into the space swept by said vanes and thence through said outlet.

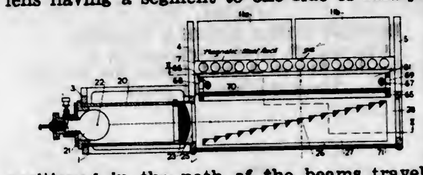
2,269,413
GARMENT HANGER
Clarke E. Warren, La Grange, Ill., assignor to Mackie-Lovejoy Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 4, 1939, Serial No. 307,511
1 Claim. (Cl. 223—96)



A garment hanger comprising two rods, one of which is coiled around the other at two horizontally aligned portions to form a hinge, two clamping members each of which is secured to the ends of one of said rods, the middle portions of each of said rods being U shaped, a clamping lever pivotally mounted on one of said U shaped portions, a roller mounted on said other U-shaped portion, said clamping lever normally resting on said roller when said clamping members are spaced apart in open position and having a bend therein between its pivotal mounting and its point of contact with said roller, to provide an increased mechanical advantage when said lever is being swung downwardly to closing position, and having also a reverse bend near the point of contact with said roller when said clamping members are in open position, and an upwardly extending hook for detachably supporting said hanger on a fixed support, said hook having lower ends spaced apart and curved around both of said rods adjacent the coiled portions which form said hinge, whereby said hook is non-rotatable with respect to one of the two rods forming said hinge.

2,269,414
MULTIPLE RECORDING GALVANOMETER
John P. Woods, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 16, 1939, Serial No. 299,717
2 Claims. (Cl. 234—61)

1. In a multiple recording galvanometer system comprising a source of light, a plurality of reflecting galvanometer elements spaced along a substantially straight horizontal line and a photographic record receiver, light train means to direct light beams from said source to said elements and from said elements to said record receiver, said means comprising an elongated lens having a cylindrical face, the longitudinal axis of said elongated lens being parallel to the line of the reflecting elements in a horizontal plane, said lens having a segment to one side of said plane



positioned in the path of the beams travelling from the source of light to the reflecting elements, and a segment to the other side of said plane positioned in the path of the beams travelling from the reflecting elements to the record receiver, whereby said beams are caused to travel along substantially parallel vertically spaced paths on that side of the lens which is away from the reflecting elements.

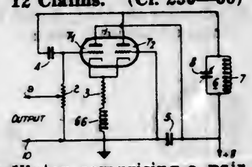
2,269,415
ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME
George P. Netherly, Gilbert R. Anderson, and Bert S. Cross, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application December 11, 1937, Serial No. 179,338
15 Claims. (Cl. 51—295)

1. An abrasive article comprising abrasive grains secured to a backing by a plurality of coatings of bonding materials including a primary bonding coating and a sizing coating, said abrasive grains being positioned in said bonding coating in predetermined oriented relation to said backing and reinforced and substantially maintained in said predetermined position by said sizing coating, said bonding coating being of a material selected with respect to the material of said sizing coating such as to be substantially unsoftened and undissolved by the material of said sizing coating in fluid form.

2,269,416
COATED ABRASIVE ARTICLE
George P. Netherly and Bert S. Cross, St. Paul, Minn., and Gilbert R. Anderson, Wilmington, Del., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application May 20, 1941, Serial No. 394,364
3 Claims. (Cl. 51—298)

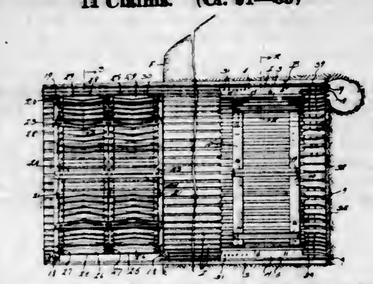
1. A coated abrasive article comprising abrasive grains secured to a backing by a plurality of coatings of bonding materials including a primary bonding coating and a sizing coating, said abrasive grains being positioned in said bonding coating in predetermined oriented relation to said backing and reinforced and substantially maintained in said predetermined position by said sizing coating, said bonding coating being of a material selected with respect to the material of said sizing coating such as to be substantially unsoftened and undissolved by the material of said sizing coating in fluid form, one of said coatings comprising an organic gelatinous adhesive material and the other of said coatings comprising an inorganic siliceous material.

2,269,417
CATHODE-DRIVEN OSCILLATOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 13, 1939, Serial No. 273,489
12 Claims. (Cl. 250—36)



1. An oscillator comprising a pair of electron discharge structures each having an anode, a cathode and a grid, a frequency determining circuit coupled to the anode of one of said structures and the grid of the other of said structures, means for effectively maintaining the remaining ones of said anodes and grids at a fixed reference potential, and impedance means connected between said cathodes and a point of zero reference potential for coupling said cathodes together.

2,269,418
MEANS FOR LINING TUNNELS OR SUBTERRANEAN PASSAGES
Nelson F. Anderson, Los Angeles, Calif.
Application June 16, 1938, Serial No. 214,164
11 Claims. (Cl. 61—35)



1. An adjustable mold for forming a cementitious lining for a subterranean passage including an outer mold wall having a cross-sectional form conforming to that of the passage comprising a plurality of elongated members arranged side by side with adjacent elongated members in close proximity one to the other, a supporting structure for said elongated members within the outer mold wall at the forward portion thereof, an interlocking coupling between said supporting structure and the elongated members allowing said elongated members to be independently shifted lengthwise and guiding the elongated members in a straight line, an inner mold wall within the rear portion of the outer mold wall, and means for supporting said inner mold wall within the rear portion of the outer mold wall.

DESIGNS

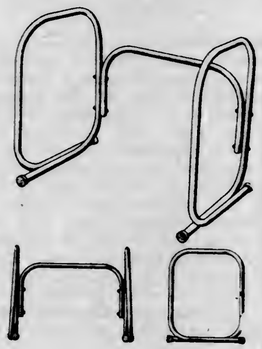
JANUARY 6, 1942

130,989
DESIGN FOR A SAND URN
Wilbur Henry Adams, Millcreek Township, Erie County, Pa., assignor to The F. H. Lawson Company, Cincinnati, Ohio, a corporation of Ohio
Application September 18, 1941, Serial No. 103,404
Term of patent 7 years



The ornamental design for a sand urn, substantially as shown.

130,990
DESIGN FOR A SUPPORTING STAND FOR IRONING MACHINES OR OTHER ARTICLES
Andrew H. Gerhardt, Niles Center, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application April 11, 1941, Serial No. 100,320
Term of patent 14 years



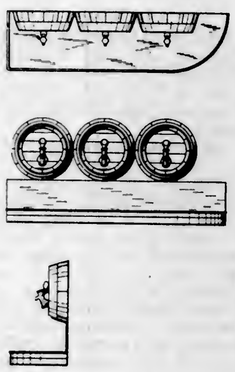
The ornamental design for a supporting stand for ironing machines or other articles, substantially as shown.

130,991
DESIGN FOR A CANDLE HOLDER
Clarence F. Gray, Syracuse, N. Y.
Application August 9, 1941, Serial No. 102,778
Term of patent 14 years



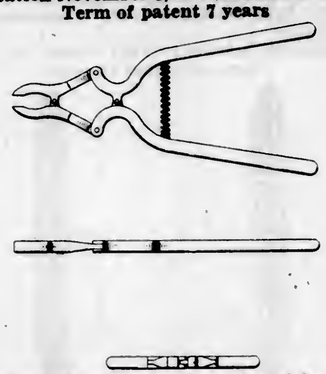
The ornamental design for a candle holder, as shown.

130,992
DESIGN FOR A LIQUID DISPENSING UNIT
Isaac J. Leavitt, Denver, Colo.
Application May 24, 1940, Serial No. 92,575
Term of patent 3½ years



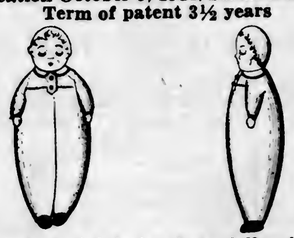
The ornamental design for a liquid dispensing unit, as shown and described.

130,993
DESIGN FOR A DENTAL FORCEPS
William G. Lewis, Iola, Kans.
Application November 3, 1941, Serial No. 104,002
Term of patent 7 years



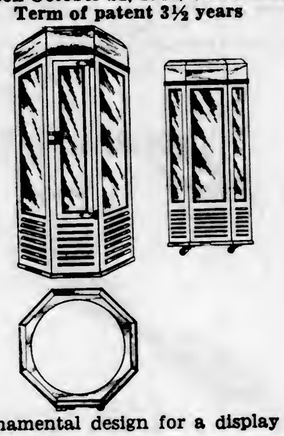
The ornamental design for a dental forceps, as shown.

130,994
DESIGN FOR A DOLL
Cora MacGeachy, Hollywood, Calif.
Application October 9, 1941, Serial No. 103,695
Term of patent 3½ years



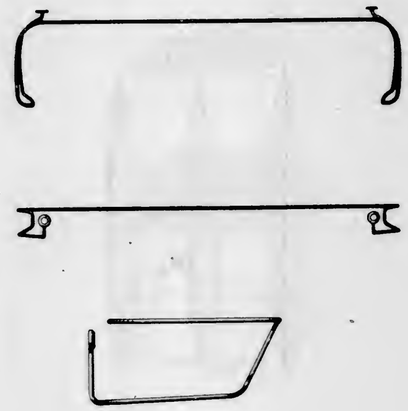
The ornamental design for a doll, substantially as shown.

130,995
DESIGN FOR A DISPLAY CASE
Adolph T. Mayer, Los Angeles, Calif., assignor of one-half to Donald L. Hesse, Los Angeles, Calif.
Application October 21, 1940, Serial No. 95,957
Term of patent 3½ years



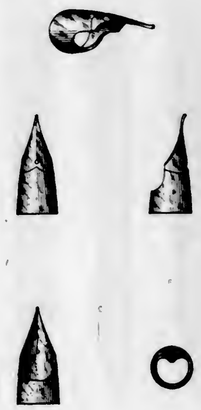
The ornamental design for a display case, as shown.

130,996
DESIGN FOR A LAUNDRY BAG RACK
Charles A. Chidsey, Jr., Detroit, Mich.
Application September 12, 1941, Serial No. 103,325
Term of patent 14 years



The ornamental design of a laundry bag rack, substantially as shown.

130,997
DESIGN FOR A FOUNTAIN PEN POINT
Lynn P. Martin and Wilbur K. Olson, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application October 30, 1941, Serial No. 103,960
Term of patent 14 years



The ornamental design for a fountain pen point, substantially as shown.

130,998
DESIGN FOR A FOUNTAIN PEN
Lynn P. Martin and Wilbur K. Olson, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application October 30, 1941, Serial No. 103,961
Term of patent 14 years



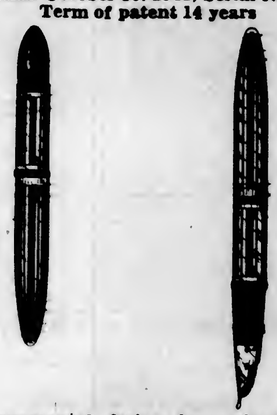
The ornamental design for a fountain pen, substantially as shown.

130,999
DESIGN FOR A FOUNTAIN PEN
Lynn P. Martin and Wilbur K. Olson, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application October 30, 1941, Serial No. 103,962
Term of patent 14 years



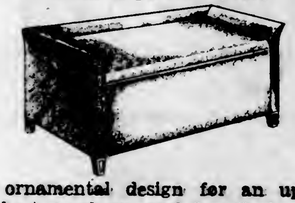
The ornamental design for a fountain pen, substantially as shown and described.

131,000
DESIGN FOR A FOUNTAIN PEN
Lynn P. Martin and Wilbur K. Olson, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application October 30, 1941, Serial No. 103,964
Term of patent 14 years



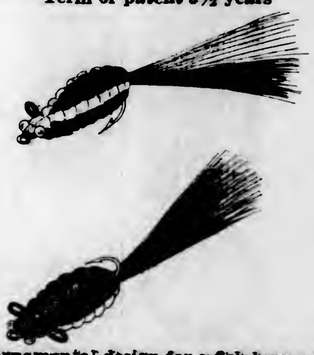
The ornamental design for a fountain pen, substantially as shown and described.

131,001
DESIGN FOR AN UPHOLSTERED CEDAR CHEST
Lewis Abramson, Schenectady, N. Y.
Application October 23, 1940, Serial No. 96,005
Term of patent 7 years



The ornamental design for an upholstered cedar chest, as shown and described.

131,002
DESIGN FOR A FISH LURE
Irene B. Albrecht and Ardath B. Kemp, Portland, Oreg.
Application October 21, 1941, Serial No. 103,838
Term of patent 3½ years



The ornamental design for a fish lure, as shown and described.

131,003
DESIGN FOR A FAN
Anthony J. Bittson, New York, N. Y.
Application March 15, 1940, Serial No. 90,940
Term of patent 7 years



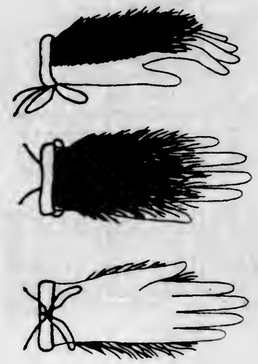
The ornamental design for a fan, substantially as shown.

131,004
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application December 5, 1941, Serial No. 104,482
Term of patent 3½ years



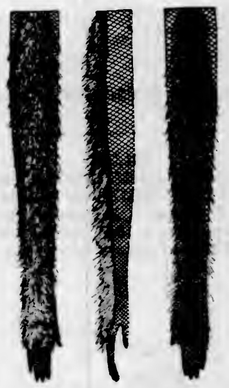
The ornamental design for a dress, substantially as shown.

131,005
DESIGN FOR A GLOVE OR SIMILAR ARTICLE
Margot Butler, New York, N. Y.
Application October 2, 1941, Serial No. 103,009.
Term of patent 3½ years



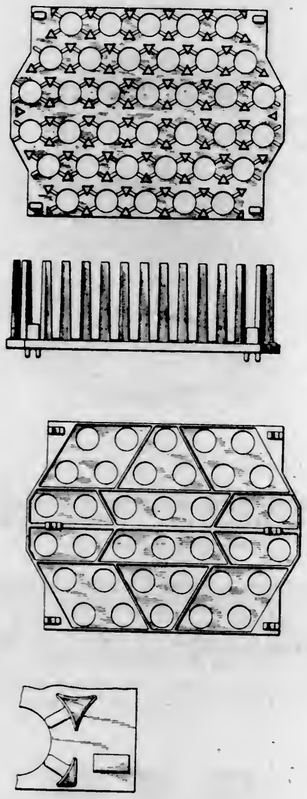
The ornamental design for a glove or similar article, as shown.

131,006
DESIGN FOR A LADY'S EVENING GLOVE OR SIMILAR ARTICLE
Margot Butler, New York, N. Y.
Application November 12, 1941, Serial No. 104,112
Term of patent 3½ years



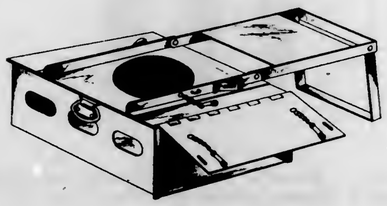
The ornamental design for a lady's evening glove or similar article, as shown.

131,007
DESIGN FOR A BOTTLE RACK
Drexel T. Carlson, Kansas City, Mo., assignor to C. Earl Hovey, Kansas City, Mo., as trustee
Application April 2, 1941, Serial No. 100,096
Term of patent 7 years

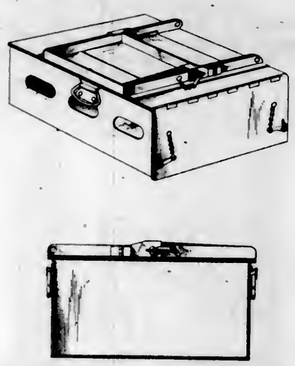


The ornamental design for a bottle rack, as shown.

131,008
DESIGN FOR A CARRYING CASE FOR A STOVE OR SIMILAR ARTICLE
Styles T. Howard, Jeffersonville, Ind.
Application June 4, 1941, Serial No. 101,301
Term of patent 3½ years

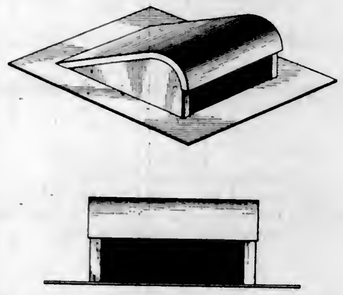


131,008—Continued



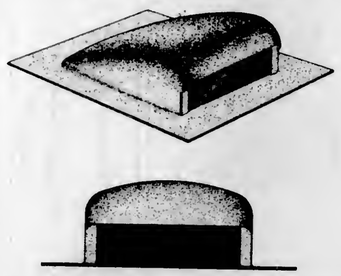
The ornamental design for a carrying case for a stove or similar article, substantially as shown.

131,009
DESIGN FOR A ROOF VENTILATOR
Freeland H. Leslie, Chicago, Ill.
Application October 11, 1941, Serial No. 103,730
Term of patent 14 years



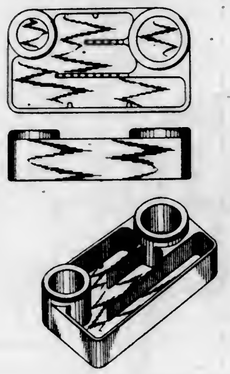
The ornamental design for a roof ventilator, substantially as shown.

131,010
DESIGN FOR A ROOF VENTILATOR
Freeland H. Leslie, Chicago, Ill.
Application October 11, 1941, Serial No. 103,731
Term of patent 14 years



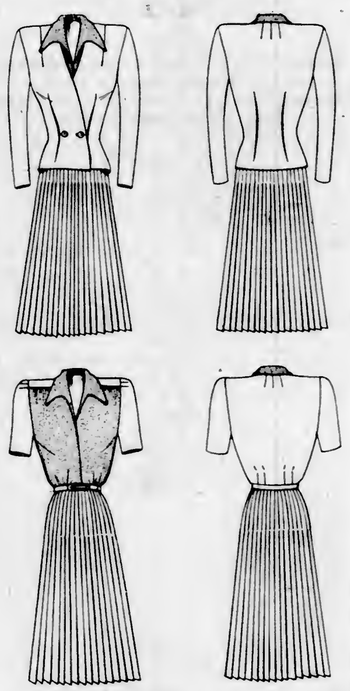
The ornamental design for a roof ventilator, substantially as shown.

131,011
DESIGN FOR AN ASH TRAY
Harry G. Shaughnessy, Detroit, Mich.
Application May 27, 1941, Serial No. 101,186
Term of patent 3½ years



The ornamental design for an ash tray, as shown.

131,012
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application December 12, 1941, Serial No. 104,592
Term of patent 3½ years



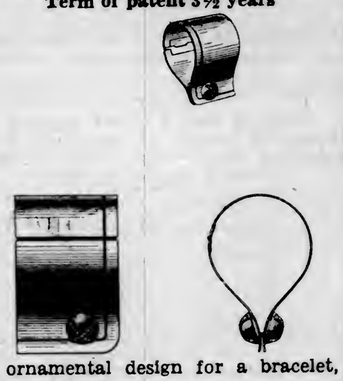
The ornamental design for a dress ensemble, substantially as shown.

131,013
DESIGN FOR A GLARE SIGNAL FOR AUTOMOBILES
Mate Angelich, Jackson Heights, N. Y.
Application August 15, 1941, Serial No. 102,853
Term of patent 14 years



The ornamental design for a glare signal for automobiles, as shown.

131,014
DESIGN FOR A BRACELET
Irving Apisdorf, New York, N. Y.
Application July 15, 1941, Serial No. 102,151
Term of patent 3½ years



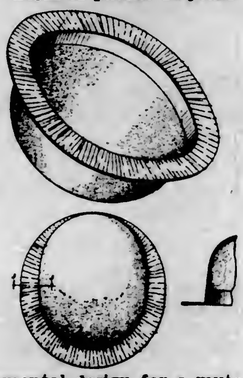
The ornamental design for a bracelet, substantially as shown.

131,015
DESIGN FOR A FLAGSTAFF
Edward L. Barrett, La Grange, Ill., assignor to Barrett Engineering Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1941, Serial No. 100,906
Term of patent 3½ years



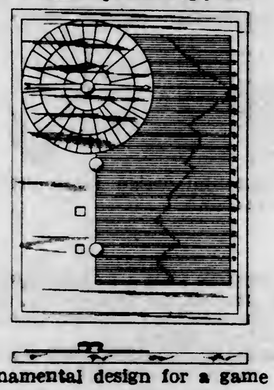
The ornamental design for a flagstaff, substantially as shown.

131,016
DESIGN FOR A MUTE FOR A WIND MUSICAL INSTRUMENT
Willie Berg, Chicago, Ill.
Application July 30, 1941, Serial No. 102,575
Term of patent 14 years



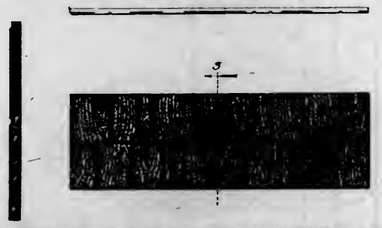
The ornamental design for a mute for a wind musical instrument, substantially as shown.

131,017
DESIGN FOR A GAME BOARD
Bernard O. Brabon, St. Regis Falls, N. Y.
Application July 23, 1941, Serial No. 102,397
Term of patent 3½ years



The ornamental design for a game board, as shown.

131,018
DESIGN FOR A BUILDING SIDING PANEL
Abbott Coburn, Chicago, Ill.
Application February 21, 1941, Serial No. 99,162
Term of patent 14 years



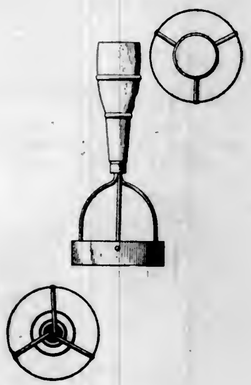
The ornamental design for a building siding panel, as shown and described.

131,019
DESIGN FOR A DRESS
Martin Fein, New York, N. Y.
Application December 6, 1941, Serial No. 104,506
Term of patent 3½ years



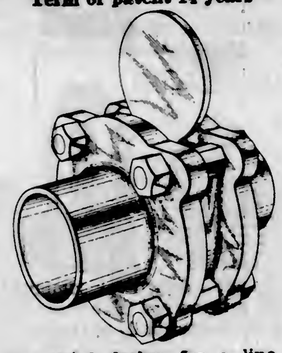
The ornamental design for a dress, substantially as shown.

131,020
DESIGN FOR A POTATO CHOPPER
Minnie Flood, Morrice, Mich.
Application May 17, 1941, Serial No. 101,002
Term of patent 3½ years



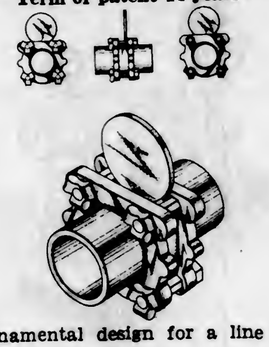
The ornamental design for a potato chopper, as shown.

131,021
DESIGN FOR A LINE BLIND
Leland S. Hamer, Los Angeles County, Calif.
Application November 7, 1941, Serial No. 104,080
Term of patent 14 years



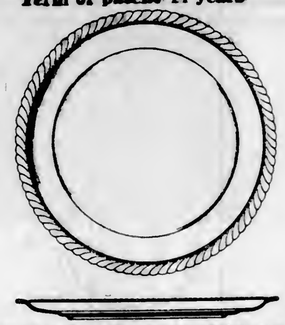
The ornamental design for a line blind, as shown and described.

131,022
DESIGN FOR A LINE BLIND
Leland S. Hamer, Los Angeles County, Calif.
Application November 7, 1941, Serial No. 104,081
Term of patent 14 years



The ornamental design for a line blind, as shown.

131,023
DESIGN FOR A PLATE OR ANALOGOUS ARTICLE
Herman C. Knupper, New York, N. Y.
Application October 1, 1941, Serial No. 103,592
Term of patent 14 years



The ornamental design for a plate or analogous article, substantially as shown.

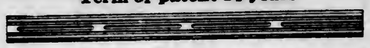
131,024
DESIGN FOR A CONDUIT RECEPTACLE OR SIMILAR ARTICLE
Joseph F. O'Brien, Jersey City, N. J.
Application April 19, 1941, Serial No. 100,518
Term of patent 14 years





The ornamental design for a conduit receptacle or similar article, substantially as shown.

131,025
DESIGN FOR A CONDUIT OR SIMILAR ARTICLE
Joseph F. O'Brien, Jersey City, N. J.
Application April 19, 1941, Serial No. 100,521
Term of patent 14 years





The ornamental design for a conduit or similar article, substantially as shown.

131,026
DESIGN FOR A CONDUIT RECEPTACLE OR SIMILAR ARTICLE
Joseph F. O'Brien, Jersey City, N. J.
Application April 19, 1941, Serial No. 100,522
Term of patent 14 years





The ornamental design for a conduit receptacle or similar article, substantially as shown.

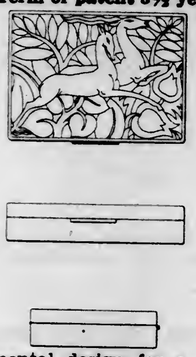
131,027
DESIGN FOR A CONDUIT RECEPTACLE OR SIMILAR ARTICLE
Joseph F. O'Brien, Jersey City, N. J.
Application April 19, 1941, Serial No. 100,523
Term of patent 14 years





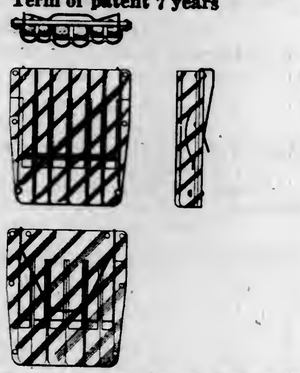
The ornamental design for a conduit receptacle or similar article, substantially as shown.

131,028
DESIGN FOR A RECEPTACLE FOR COSMETICS AND OTHER ARTICLES
Alfred F. Reilly, North Attleboro, Mass.
Application December 2, 1941, Serial No. 104,438
Term of patent 3½ years



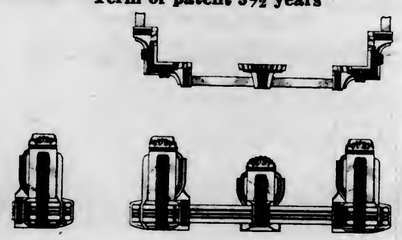
The ornamental design for a receptacle for cosmetics and other articles, substantially as shown and described.

131,029
DESIGN FOR A TOOL CASE
William Emmett Russell, North Hollywood, Calif.
Application March 3, 1941, Serial No. 99,338
Term of patent 7 years

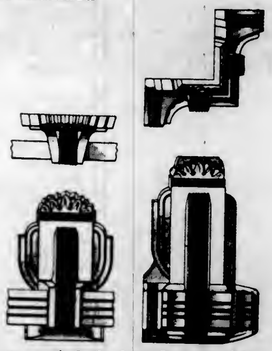


The ornamental design for a tool case, as shown.

131,030
DESIGN FOR COMBINED HANDLES, ESCUTCHEONS, AND CORNER PLATES FOR A CASKET OR SIMILAR ARTICLE
Harold O. Utter, Richmond, Ind.
Application September 16, 1940, Serial No. 95,102
Term of patent 3½ years



131,030—Continued



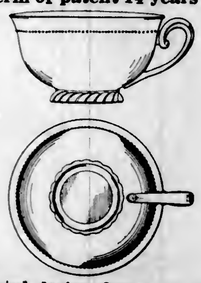
The ornamental design for combined handles, escutcheons, and corner plates for a casket or similar article, substantially as shown.

131,031
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
David Warsaw, Chicago, Ill.
Application November 11, 1941, Serial No. 104,108
Term of patent 3½ years



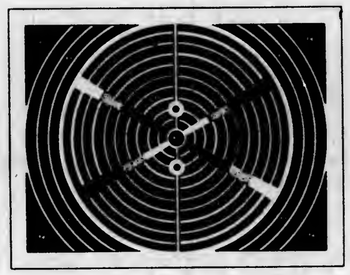
The ornamental design for a clock or similar article, as shown.

131,032
DESIGN FOR A CUP OR ANALOGOUS ARTICLE
Herman C. Kupper, New York, N. Y.
Application October 1, 1941, Serial No. 103,593
Term of patent 14 years



The ornamental design for a cup or analogous article, substantially as shown.

131,033
DESIGN FOR A MONOSCOPE ELECTRODE PLATE
Hannah C. Moodey, Plainfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1940, Serial No. 96,235
Term of patent 14 years



The ornamental design for a monoscope electrode plate, substantially as shown.

131,034
DESIGN FOR A KNITTED TEXTILE FABRIC
Eric Richard Popper, New York, N. Y.
Application December 11, 1941, Serial No. 104,570
Term of patent 3½ years



The ornamental design for a knitted textile fabric, substantially as shown.

131,035
DESIGN FOR A KNITTED TEXTILE FABRIC
Eric Richard Popper, New York, N. Y.
Application December 11, 1941, Serial No. 104,571
Term of patent 3½ years



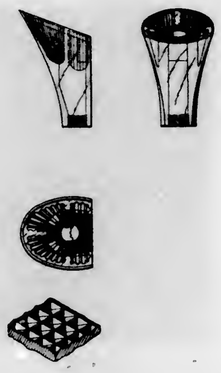
The ornamental design for a knitted textile fabric, substantially as shown.

131,036
DESIGN FOR A KNITTED TEXTILE FABRIC
Eric Richard Popper, New York, N. Y.
Application December 11, 1941, Serial No. 104,572
Term of patent 3½ years



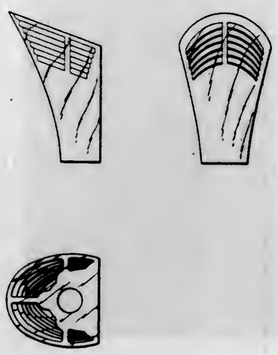
The ornamental design for a knitted textile fabric, substantially as shown.

131,037
DESIGN FOR A SHOE HEEL
John Bolten, Andover, Mass., and Robert H. Goldbaum, Plaistow, N. H.
Application September 19, 1940, Serial No. 95,204
Term of patent 7 years



The ornamental design for a shoe heel, as shown and described.

131,038
DESIGN FOR A SHOE HEEL
John Bolten, Andover, Mass., and Robert H. Goldbaum, Plaistow, N. H.
Application October 9, 1940, Serial No. 95,705
Term of patent 7 years



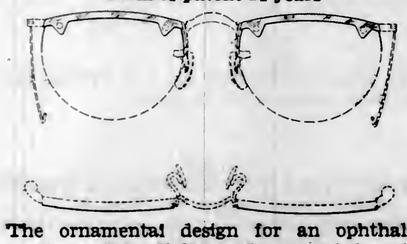
The ornamental design for a shoe heel, as shown and described.

131,039
DESIGN FOR A SHOE HEEL
John Bolten, Andover, Mass., and Robert H. Goldbaum, Plaistow, N. H.
Application October 9, 1940, Serial No. 95,706
Term of patent 7 years



The ornamental design for a shoe heel, as shown and described.

131,040
DESIGN FOR AN OPHTHALMIC MOUNTING
Ernest J. Brusell, St. Paul, Minn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 8, 1941, Serial No. 103,218
Term of patent 14 years



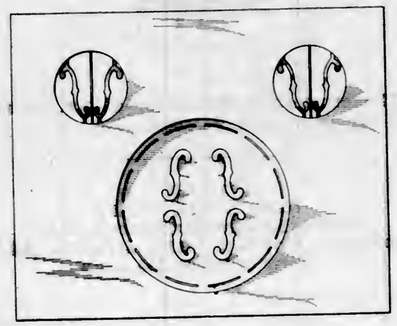
The ornamental design for an ophthalmic mounting, substantially as shown and described.

131,041
DESIGN FOR A SHOE
Carl Goldberg, Haverhill, Mass.
Application November 22, 1941, Serial No. 104,268
Term of patent 3½ years



The ornamental design for a shoe, as shown.

131,042
DESIGN FOR A BAFFLE BOARD PANEL FOR RADIOS OR THE LIKE
Arthur C. Haggstrom, Rockford, Ill., assignor to E. H. Scott
Application March 3, 1941, Serial No. 99,299
Term of patent 3½ years



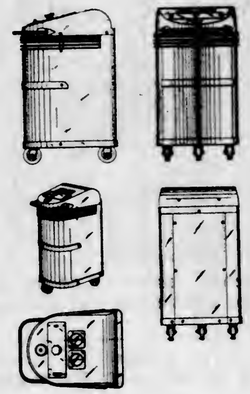
The ornamental design for a baffle board panel for radios or the like, as shown and described.

131,043
DESIGN FOR A CHECKERBOARD
Millard Hopper, Brooklyn, N. Y.
Application June 19, 1940, Serial No. 93,104
Term of patent 7 years



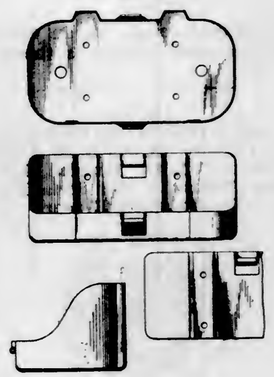
The ornamental design for a checkerboard, as shown and described.

131,044
DESIGN FOR A COMBINATION BATTERY CHARGER AND TESTER CASING
Lee Hunter, Jr., University City, Mo.
Application December 18, 1940, Serial No. 97,422
Term of patent 3½ years



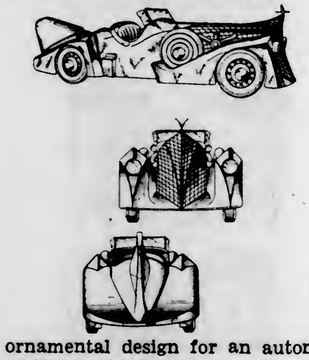
The ornamental design for a combination battery charger and tester casing, substantially as shown and described.

131,045
DESIGN FOR A CONTAINER MOUNTING BRACKET
William B. Johnson, United States Army
Application October 22, 1941, Serial No. 103,863
Term of patent 3½ years



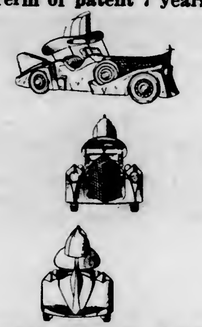
The ornamental design for a container mounting bracket, as shown.

131,046
DESIGN FOR AN AUTOMOBILE OR SIMILAR ARTICLE
John Lagana, Scarsdale, N. Y.
Application March 22, 1941, Serial No. 99,775
Term of patent 7 years



The ornamental design for an automobile or similar article, substantially as shown and described.

131,047
DESIGN FOR AN AUTOMOBILE OR SIMILAR ARTICLE
John Lagana, Scarsdale, N. Y.
Application December 5, 1941, Serial No. 104,494
Term of patent 7 years



The ornamental design for an automobile or similar article, substantially as shown and described.

131,048
DESIGN FOR A COMBINED DIAL AND HANDS FOR A CLOCK OR SIMILAR ARTICLE
Charles C. Yotte, Jamaica, N. Y.
Application August 19, 1941, Serial No. 102,941
Term of patent 7 years



The ornamental design for a combined dial and hands for a clock or similar article, as shown.

131,049
DESIGN FOR A LACE
Rudolph Dannecker, Beacon, N. Y.
Application November 1, 1941, Serial No. 103,989
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

131,050
DESIGN FOR A LACE
Rudolph Dannecker, Beacon, N. Y.
Application November 4, 1941, Serial No. 104,014
Term of patent 3½ years



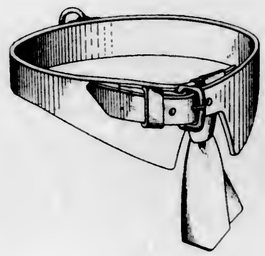
The ornamental design for a lace, substantially as shown and described.

131,051
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application December 15, 1941, Serial No. 104,633
Term of patent 3½ years



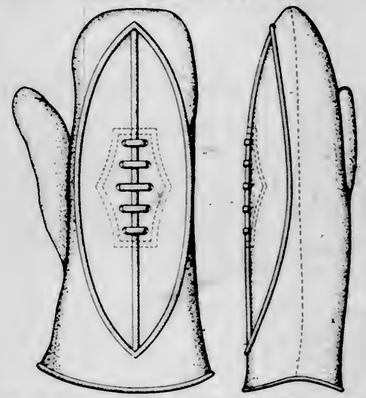
The ornamental design for a textile fabric, substantially as shown.

131,052
DESIGN FOR A COMBINED DOG COLLAR AND TIE
Morris Oppenhaim, New York, N. Y.
Application March 29, 1940, Serial No. 91,339
Term of patent 7 years

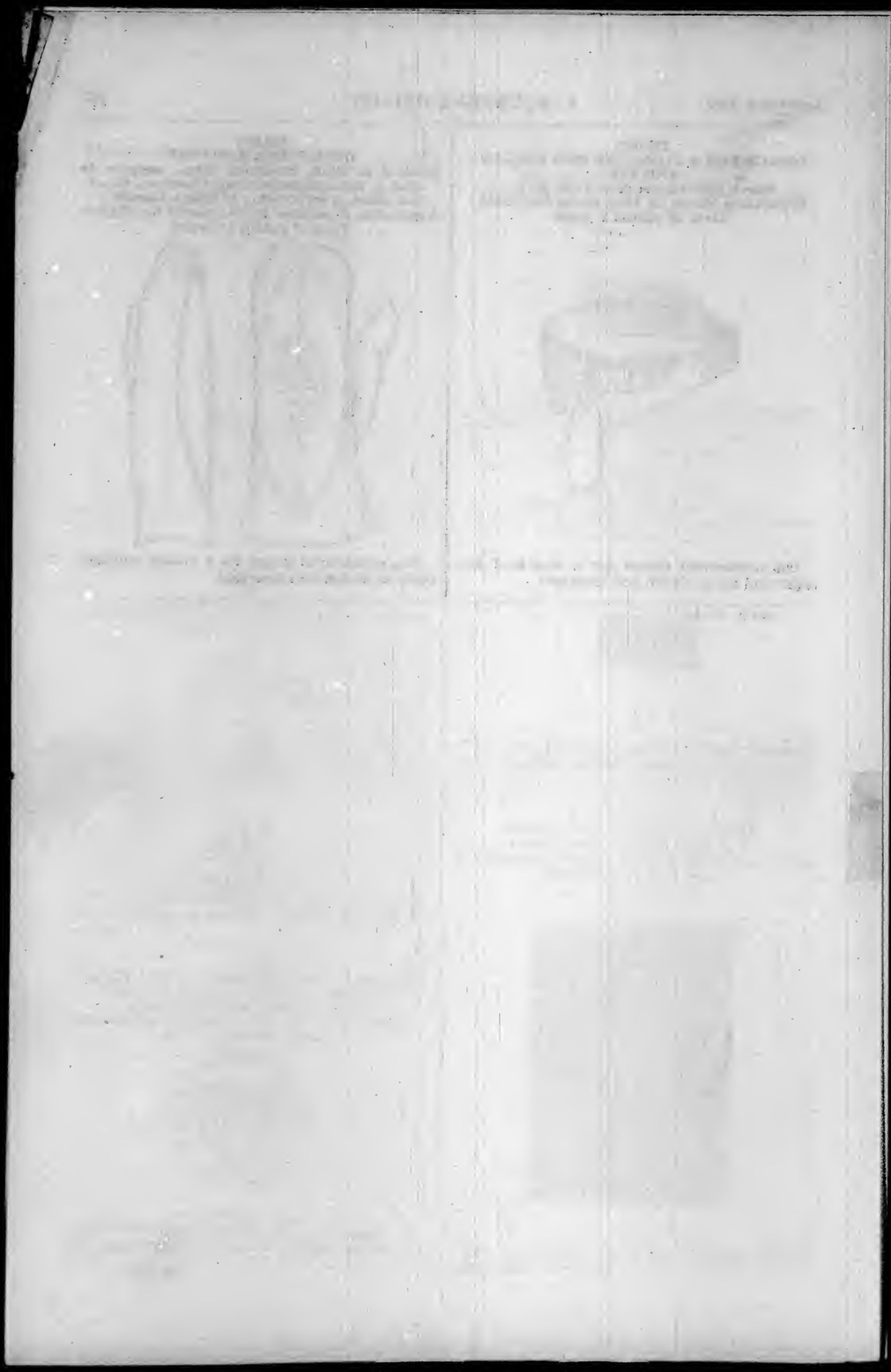


The ornamental design for a combined dog collar and tie, as shown and described.

131,053
DESIGN FOR A MITTEN
Richard G. Stall, Brockton, Mass., assignor to Stall & Dean Manufacturing Company, Brockton, Mass., a corporation of Massachusetts
Application September 9, 1941, Serial No. 103,259
Term of patent 3½ years



The ornamental design for a mitten, substantially as shown and described.



THE

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January 13, 1942

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T. M. Renewals	42		
Reissues	8—No.	22,000 to No.	22,007, inclusive.
Patents	809—No.	2,269,419 to No.	2,270,227, inclusive.
Designs	81—No.	131,054 to No.	131,134, inclusive.
Total	1,122		

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 16, 1941.*

The Pogo Company, its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Philip de Journo, 124 Peachtree Memorial Drive, Atlanta, Ga., to effect the cancellation of trade-mark registration of The Pogo Company, 35–37 East 10th St., New York, N. Y., No. 176,107, dated November 20, 1923, and the notice of such proceeding sent by registered mail to the said The Pogo Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Pogo Company, its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,064,770, W. M. Vogel, Method and apparatus for manufacturing bottle caps, decided October 25, 1941, claims 1, 4, 5, 6, 16, 19, 20, 21, 22, 29, 30, and 31.

Pat. 2,116,643, Helge Rost, Electric cable, decided November 13, 1941, claims 1, 2, 3, 4, and 6.

Notice

Under date of December 23, 1941, the Patent Office received the following communication from the Acting Secretary of the Treasury, in regard to Executive Order No. 8389, as amended:

"Reference is made to my letter of December 17, 1941, relating to the filing and prosecuting of applications for patents by, and the issuance of Letters Patent to, nationals of countries with which the United States is now at war. Particular attention is invited to the second paragraph of that letter relating to Japan and nationals thereof.

"You are informed that on December 20, 1941, the Treasury Department issued Public Circular No. 8A, a copy of which is enclosed. Among the effects of Public Circular No. 8A, is the reinstatement of General License No. 72 and General License No. 5 in so far as those general licenses authorize transactions by, on behalf of, or for the benefit of, Japan or any national thereof.

"Accordingly, in so far as Executive Order No. 8389, as amended, is concerned, the foregoing general licenses now authorize, subject to the terms thereof, the filing and prosecuting in the United States Patent Office, of applications for patents and the receipt of Letters Patent by nationals of Japan and the payment of fees to the Patent Office by such nationals."

CONDER C. HENRY,
Assistant Commissioner.

Disclaimers

2,184,426.—*Neil S. Kocher* and *Henry B. Smith*, Rochester, N. Y. POLYVINYL ACETAL RESIN SHEETS CONTAINING AN ALKYL PHTHALYL ETHYL GLYCOLLATE. Patent dated December 26, 1939. Disclaimer filed December 17, 1941, by the assignee, *Eastman Kodak Company.*

Hereby enters this disclaimer to claim 2 in its entirety, and to that portion of claims 1 and 4 reading as follows: "selected from the group consisting of formaldehyde acetal groups and".

2,223,902.—*Howard E. Somes*, Grosse Pointe Park, Mich. TRANSFORMER DISTRIBUTING SYSTEM. Patented December 3, 1940. Disclaimer filed December 10, 1941, by the inventor; the assignee, *Budd Induction Heating, Inc.*, consenting and approving.

Hereby disclaims claim 9 in said specification.

Condition of Applications Under Examination at Close of Business December 31, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,165; Trade-Mark Division, 1,375. Oldest new case, Apr. 3, 1941; oldest amended, Apr. 3, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 10	May 15	721
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 3	July 15	606
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 6	Oct. 2	533
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 9	Aug. 11	481
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 28	July 22	484
4998 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 16	June 16	945
5725	7. JARBOE, C. G., Optics; Photography	July 12	June 18	1,035
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	June 30	825
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 24	July 29	561
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 29	May 28	713
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 23	Sept. 19	356
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 1	Aug. 1	567
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	May 26	626
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 10	Sept. 4	557
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 31	June 3	1,187
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 10	Sept. 10	432
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 12	June 9	779
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 18	July 22	492
4696	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 25	June 30	672
6606	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 2	370
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 31	Aug. 16	282
5800	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 3	Apr. 3	1,439
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	213
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 11	July 31	730
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 8	July 31	548
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 22	Sept. 5	372
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 30	June 18	511
4428	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 18	247
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 27	June 30	702
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 30	Oct. 2	321
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 14	July 14	1,470
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 11	June 21	847
5096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 14	June 13	896
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	June 28	July 5	354
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	May 19	June 6	887
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 29	July 23	584
5836 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 15	Sept. 10	507
3684	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 23	May 20	734
4876	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 5	Sept. 15	430
7680	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	June 13	June 14	1,599
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 17	July 18	559
5882	42. CUTTING, H. C., Electric Signaling	Aug. 7	Aug. 8	365
4636 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 5	June 9	647
4087 B	44. HARVEY, L. P., Refrigeration	July 26	Aug. 1	424
7683	45. HALL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 1	Oct. 25	228
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 1	July 1	790
6082	47. KANOF, W. J., Clutches; Brakes	July 16	July 3	383
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 12	July 12	697
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 5	July 2	654
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	July 2	July 3	1,304
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 13	Oct. 16	330
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 20	Aug. 9	494
6607	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	May 31	Apr. 28	579
3663	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Sept. 2	Sept. 2	305
6688	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 13	Aug. 15	299
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 27	May 23	1,357
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 3	Oct. 1	267
5805	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 18	Sept. 2	416
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	May 26	May 26	1,090
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 12	Aug. 12	316
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 21	July 1	681
3621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 7	Aug. 25	649
4688	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 11	June 16	1,166
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 5	July 2	1,416
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 22	July 19	427
2099 B	Trade-Marks: F. A. RICHMOND	Nov. 22	Dec. 3	1,375
2605	Designs: H. H. KALUFY	Nov. 21	Dec. 11	641

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

MARINE v. COE, COMMISSIONER OF PATENTS

No. 7,787. Decided November 3, 1941. Petition for rehearing denied December 3, 1941.

[—F.(2d)—]

PATENTABILITY—AUTOMOBILE CONSTRUCTION.

Certain claims of an application relating to the construction of an automobile front body post assembly *Held* properly refused to appellant.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Charles S. Grindle and *Mr. David Rines* for Marine.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before MILLER, VINSON and RUTLEDGE, Associate Justices

PER CURIAM:

Affirmed upon the findings of fact, conclusions of law, and opinion of the district court.

U. S. Court of Customs and Patent Appeals

IN RE FRANK ET AL.

No. 4,514. Decided December 1, 1941

[— F.(2d) —]

PATENTABILITY—CIRCUIT BREAKER.

Claims of the F and M application to a circuit breaker *Held* patentable as involving invention over claims of a patent to T, owned by the assignee of the F and M application.

APPEAL from Patent Office. Reversed.

Mr. Daniel G. Cullen for Frank et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—Nos. 4 to 7, inclusive, 9, 11, 16 to 22, inclusive, 24, 27, 28, and 29—in appellants' application for a patent for an alleged invention relating to improvements in circuit breakers.

Claim 4 is illustrative of the appealed claims. It reads:

4. A circuit breaker including a movable contact, a stationary contact, a movable contact operating arm, a handle, and a latch for said arm, and a single spring for biasing the movable contact towards the stationary contact when the parts are in circuit closed position, and for biasing the movable contact away from the stationary contact when the arm is released by the latch, *the movable contact and the arm being connected directly, at a point remote from the connection of the arm to the handle, so that arm and contact move together on all breaker operations*, with said latch comprising the sole overload control for the breaker, the spring being connected to the contact operating arm free and independently of the handle, and also being operatively connected to the breaker frame, through a pawl which is held directly by the latch and through which the latch holds the arm. [Italics ours.]

The references are: Bradshaw, 773,467, October 25, 1904; Wurster, 1,270,356, June 25, 1918; Anderson et al., 1,656,851, January 17, 1928; Krantz, 1,726,233, August 27, 1929; Thomson, 2,102,295, December 14, 1937.

A circuit breaker is a switch, manually and automatically operated, for intermittently opening and closing an electric circuit. It includes a movable contact, an operating mechanism so constructed as to cause the movable contact to move to and from a stationary contact thereby intermittently opening and closing an electric circuit, and an arrangement for connecting the movable contact to the operating mechanism.

The appealed claims relate to an arrangement for connecting the movable contact to the operating mechanism

"at a point [as stated in each of the claims] remote from the connection of the arm to the handle [of the operating mechanism], so that arm and contact move together on all breaker operations."

The operating mechanism to which appellants' movable contact is designed to be connected is disclosed and claimed in the reference patent to Thomson. (It may be stated at this point that the Thomson patent not only discloses the operating mechanism to which appellants' movable contact is arranged to be attached, but also discloses the invention defined by the appealed claims. This requires explanation. It appears from the record that as originally filed the application which matured into the Thomson reference patent was filed as a joint application by appellants and Thomson. Thereafter, appellants disclaimed the invention disclosed in that application so far as it related to the operating mechanism, but claimed that they were the inventors of the arrangement by which the movable contact was connected to such operating mechanism. Thereafter, a patent was issued to Thomson for the operating mechanism disclosed in that application.)

Appellants' involved application was filed September 14, 1939, as a substitute for, or a division of (it is not important which, so far as the issues here are concerned), a prior application, Serial No. 59,631, filed January 17, 1936. No claim is made in this case that Thomson was the inventor, joint or otherwise, of the arrangement for connecting appellants' movable contact to the Thomson operating mechanism. Owing to the fact that the Thomson patent issued with a full disclosure of appellants' alleged invention—the arrangement for connecting the movable contact to the operating mechanism—and as the Thomson patent and appellants' application are owned by a common assignee, the record in the instant case is somewhat complicated and involved. However, the Solicitor for the Patent Office and counsel for appellants have simplified matters by pointing out that the issue determined by the Patent Office tribunals and the sole issue here is whether appellants' structure and its connection to the Thomson device, as defined by the appealed claims, involves invention

over claims 9 to 15, inclusive, in the Thomson reference patent in view of the other references of record. Why the Thomson patent was permitted to issue with a disclosure of appellants' alleged invention, is not explained. It is stated, however, in the brief of counsel for appellants, and not denied by the Solicitor for the Patent Office, that the patentee Thomson secured a reissue of his patent subsequent to the filing in this court of the appeal here under consideration, and that the subject matter defined by the appealed claims was entirely omitted from such reissue patent.

Claim 9, which is typical of claims 9 to 15, inclusive, of the Thomson patent, reads:

> 9. In a circuit breaker, a linkage comprising parallel elongated links, a movable connection which is pivotally secured to one link and is movable along and engages the other and which connects the links, said other and engaged link being provided with resilient means disposed between an end thereof and the connection, holding means at opposite ends of said linkage for holding said linkage in normal position, and a contact operatively connected to the linkage, the linkage normally being so held by the holding means that the resilient means thereof is in a condition wherein it has potential energy stored therein, and constantly tends to vary the distance between the connection and one of the holding means and to shift the linkage, one of said holding means being manually movable, movement of that holding means releasing the linkage and permitting the resilient means to expend its potential energy and shift the linkage about the other holding means and at the same time to vary the distance between the connection and the first holding means, so as to provide a snap action movement of the linkage and a snap release of the contact.

No holding was made by either of the tribunals of the Patent Office, nor is any claim made here by the Solicitor for the Patent Office, that appellants' structure or the arrangement by which it is connected to the operating mechanism of the Thomson device is defined in claims 9 to 15 of the Thomson patent. Relative to those claims, the Primary Examiner said:

> Claims 9 through 15 of the patent include contacts and the *patentee Thomson must have had contacts of some kind* in mind when he invented his operating mechanism. [Italics not quoted.]

It is evident, therefore, that the Thomson patent alone is not a sufficient basis for the rejection of the appealed claims.

For the purpose of clarity, we reproduce Figs. 4 and 5 in appellants' application which disclose appellants' mechanism and its connection to the operating mechanism disclosed and claimed in the Thomson patent:

Fig. 4

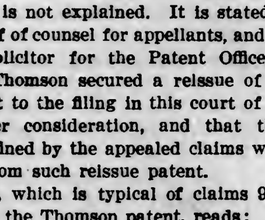
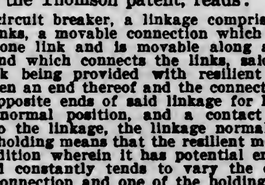


Fig. 5



That portion of the structure as disclosed in Figs. 4 and 5 and defined in the appealed claims is described in appellants' specification as follows:

> The device includes a base 10 having a pair of contacts 11 which are to be butt pressure engaged by the contacts 12 on the ends of a resilient bridging contact arm 13. One of the contacts 11 is connected to the line, and the other is connected to one leg of the thermostatic or bimetallic warping element 14, the other leg of the latter being connected to the load. When the contact arm 13 is in "on" position, current flows through contacts 11 and 12, contact arm 13 and warping element 14.
>
> To the vertically moving contact arm 13 is rigidly secured an upwardly projecting sliding link 15 and a downwardly projecting guide plate 16, these being insulated from arm 13, as shown.
>
> The lower end of the guide plate 16 slides between two spring jaws 17 of a lower guide block 18 firmly fastened to base 10. The sides of the sliding link 15 snugly fit into an upper guide block 19 rigidly secured to a vertical front plate 21.
>
> A link 22 is pivotally connected at 23 to a horizontal link 24 [the movable contact operating arm of Thomson's operating mechanism] and is slidably connected to the upper end of link 15, through an elongated slot 25 in link 15, receiving a pin 26 of link 22.

The patent to Bradshaw, as stated by the Primary Examiner, relates to a hand operated electric switch and discloses

> "a lost motion connection inserted between the manual operating means [the handle portion of the operating mechanism] and the contact carrying member consisting of a pin and slot connection."

Although such lost motion connection may be similar to appellants' link 22, it is not used, as is appellants' link 22, to connect a movable contact and a movable contact arm of an operating mechanism.

The patent to Wurster relates to an automatic circuit breaker and discloses contacts and a resilient or bridging arm with a connection at the middle of the arm to open and close the contacts. The Wurster "movable contact" conforms substantially to appellants', except that it does not have a link similar to appellants' link 22, nor is it connected to the movable contact operating arm in the operating mechanism as is appellants'.

The patent to Anderson et al. discloses a thermostatically controlled circuit breaker capable of manual operation and a so-called "lost motion" connection between a "rock lever" or contact operating arm and a "circuit closing block" or pin. The structure disclosed in the Anderson et al. patent is entirely different from that defined by the appealed claims.

The patent to Krantz relates to a motor starting switch, and discloses a switch having a base and a pair of contacts and is similar to appellants' structure only in that the contacts are "to be butt pressure engaged by" contacts similar to appellants' contacts 12.

Counsel for appellants refer in their brief to Patent No. 2,106,580 (which was made a part of the record, but was not cited as a reference), issued to the patentee Thomson for a circuit breaker, in which the movable contact is connected to the handle of the patentee's operating mechanism, and state that appellants' contribution to the art is the connecting of their movable contact, hereinbefore described, to the movable contact operating arm of the operating mechanism claimed in the Thomson reference patent, rather than to the handle of the patentee's operating mechanism; that appellants' arrangement not only eliminates a supplementary latch and spring disclosed in the Thomson Patent No. 2,106,580, thereby obtaining simplification of the structure, but also reduces the amount of friction existing in circuit breakers in which the movable contact is connected to the handle or operating lever of the operating mechanism, thereby securing an acceleration of circuit breaker action; and that appellants' structure and its arrangement with an operating mechanism involve invention.

It is apparent from what has been said that all of the elements disclosed in appellants' application and embraced in their structure, that is, the base 10, the pair of contacts 11 which are butt pressure engaged by the contacts 12, the resilient bridging contact arm 13, the upwardly projecting sliding link 15, and the link 22, are disclosed in the references if the patents to Bradshaw and Wurster are combined. However, there is no suggestion in the prior art cited of the desirability of connecting a movable contact structure to a movable contact operating arm, rather than to the handle, of an operating mechanism.

Considering appellants' structure and its arrangement with an operating mechanism such as that disclosed in the reference patent to Thomson and the benefits concededly derived therefrom, we are of opinion that appellants' contribution to the art is not only of practical value, but involves invention.

For the reasons stated, we are constrained to disagree with the conclusion reached by the Patent Office tribunals. Accordingly, the decision of the Board of Appeals is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,422,656, J. Brennan, Banana unloader, filed Dec. 5, 1941, D. C., S. D. N. Y., Doc. 16/417, *J. Brennan* v. *United Fruit Co.*

1,498,269, J. J. Harris, Adhesive material, D. C., S. D. Ind. (Indianapolis), Doc. 398, *J. J. Harris* v. *General Insulating & Mfg. Co.* Dismissed with prejudice Nov. 7, 1941. (To correct error in 533 O. G., p. 759, formerly reported as "Dismissed without prejudice".)

1,565,267, D. R. Fowler, Upholstery pad, D. C., E. D. Pa., Doc. 33, *F. Burkhart Mfg. Co.* v. *Honorbilt Products, Inc.* Injunction Dec. 2, 1941.

1,865,115, G. U. Lacroix, Carbon copying system, D. C. Mass., Doc. 3, *Philip Hano Co., Inc.*, v. *Atlantic Register Co.* Dismissed pursuant to stipulation Nov. 6, 1941.

2,024,184, J. R. Ritchie, Roller for oil mix roads, D. C., W. D. Okla. (Oklahoma City), Doc. 682, *Williams Brothers Boiler & Mfg. Co.* v. *Richards & Millinix, Inc., et al.* Dismissed on motion of plaintiffs without prejudice Nov. 13, 1941.

2,025,304, V. Paolucci, Undergarment, D. C., N. D. Ohio, E. Div., Doc. E 5686, *V. Paolucci* v. *The May Co.* Judgment heretofore entered is vacated, complaint dismissed Dec. 1, 1941.

2,042,407, R. G. Kugelman, Drain cleaner, D. C., S. D. Calif. (Los Angeles), Doc. 1325–BH, *R. G. Kugelman* v. *H. J. Sketchley.* Decree favor defendant, holding claims 13, 14, and 15 invalid; complaint dismissed Dec. 5, 1941.

2,123,114, G. Looper, Tufting machine, D. C., N. D. Ga. (Rome), Doc. 362, *Glenn Looper* v. *Labe Mills, Inc.* Dismissed with consent of counsel Nov. 17, 1941.

2,137,154, J. E. Brubaker, Toy pistol, D. C., S. D. Ohio, E. Div., Doc. 365, *The Hubley Mfg. Co.* v. *The Kilgore Mfg. Co.* Dismissed by stipulation Dec. 11, 1941.

2,149,128, Thorner & Perahia, Skirt, D. C., S. D. N. Y., Doc. 5/495, *Correct Garment Co., Inc.*, v. *Castle Sportswear Co., Inc., et al.* Doc. 6/181, *Correct Garment Co., Inc.*, v. *R. H. Macy & Co., Inc.* Stipulation of discontinuance (notice Dec. 10, 1941), in both cases.

2,167,832, Fulmer & Hollingsworth, Electric watt-hour meter, D. C., N. D. Ala., S. Div., Doc. 5049, *Westinghouse Electric & Mfg. Co.* v. *C. Denegre et al.* Consent decree, enjoining defendants from claiming infringement Nov. 24, 1941.

2,185,359, N. H. Swanson, Coin purse, filed Dec. 1, 1941, D. C., S. D. N. Y., Doc. 16/390, *Swanson Mfg. Co. et al.* v. *Feinberg-Henry Mfg. Co., Inc., et al.*

2,191,939, W. S. Marx, Jr., Photo-engraving, filed Nov. 4, 1941, D. C. Mass., Doc. 1595, *Printing Arts Research Laboratories, Inc.*, v. *C. M. Carlisle.*

2,217,517, L. Lances, Shoulder strap, D. C., S. D. N. Y., Doc. 15/487, *L. Lances* v. *R. H. Macy & Co., Inc.* Stipulation of discontinuance (notice Dec. 3, 1941).

2,221,906, W. C. Birk, Scarifying blade, filed Nov. 27, 1941, D. C., E. D. Mich., S. Div., Doc. 3069, *Shunk Mfg. Co.* v. *Yeager Bridge & Culvert Works et al.*

2,222,174, G. Grunberg, Ornamented bottle, filed Dec. 11, 1941, D. C., S. D. N. Y., Doc. 16/451, *Mesco Mfg. & Sales Co., Inc., et al.* v. *Innovation Art Products, Inc., et al.*

2,233,686, D. Topjian, Powder puff, filed Dec. 1, 1941, D. C. Mass., Doc. 1661, *D. Topjian* v. *Jordan Marsh Co.*

2,245,559, C. A. Kinninger, Wall form tie, filed Dec. 2, 1941, D. C., N. D. Ohio, E. Div., Doc. 21050, *C. A. Kinninger et al.* v. *The Sam W. Emerson Co.*

2,259,962, H. L. Owen, Shingle, filed Dec. 3, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1931 BH, *V-Way Shingle Products, Inc.*, v. *L. C. Kottner et al.*

Re. 20,914, E. Maitken, File sharpening method and apparatus, D. C., S. D. Calif. (Los Angeles), Doc. 660–J, *Keystone File & Tool Co. et al.* v. *A. J. Laher.* Patent held valid and infringed, excepting claims 9 and 13, injunction Nov. 27, 1941.

Re. 21,119, D. H. Zell, Indicator container, D. C., S. D. N. Y., Doc. 6/355, *Zell Products Corp. et al.* v. *Ninth Federal Savings & Loan Association.* Consent judgment (notice Dec. 4, 1941).

Des. 114,944, P. Fracchia, Dress, D. C., S. D. N. Y., Doc. 4/223, *Rosenthal & Kalman* v. *Lombardy Dresses, Inc.* Consent order of discontinuance (notice Dec. 5, 1941).

Des. 116,125, A. Ruchman, Dress, filed Nov. 27, 1941, D. C., S. D. N. Y., Doc. 16/367, *Apex Dress Co., Inc.*, v. *Epstein Gurment Co., Inc.*

Des. 120,190, F. Tausend, Table cloth, D. C., S. D. N. Y., Doc. 15/302, *Felix Tausend & Sons* v. *Madeira Linen.* Consent order of discontinuance (notice Nov. 22, 1941).

Des. 121,233, M. J. Kasper, Sweater, filed Nov. 24, 1941, D. C., S. D. N. Y., Doc. 16/335, *Central Knitwear Mills, Inc.*, v. *Kaye Knitting Mills, Inc.*

Des. 121,448, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 10/458, *Flora Dress Co.* v. *June Modes, Inc.* Consent judgment (notice Dec. 3, 1941).

Des. 122,284, C. Charles, Dress, D. C., S. D. N. Y., Doc. 11/168, *Sandler & Lane, Inc.*, v. *Melody Frocks, Inc.* Consent judgment (notice Dec. 8, 1941).

Des. 123,802, D. Faust, Dress, D. C., S. D. N. Y., Doc. 12/247, *Eagle Dress Co., Inc.*, v. *Maternity Dress Co.* Stipulation of discontinuance (notice Dec. 5, 1941).

Des. 125,505, R. Faller, Textile fabric, filed Dec. 9, 1941, D. C., S. D. N. Y., Doc. 16/436, *Belvedere Silks, Inc.*, v. *Jo-El Dress Co., Inc.*

Des. 126,181, Ida Sheer, Dress ensemble, filed Dec. 8, 1941, D. C., S. D. N. Y., Doc. 16/433, *Royal Sportswear, Inc.*, v. *Carlton Sportswear, Inc., et al.*

Des. 128,447, S. Franklin, Dress, filed Nov. 27, 1941, D. C., S. D. N. Y., Doc. 16/368, *Franklin Simon & Co.* v. *Lido Sportswear, Inc.*

Des. 128,854, R. Halpern, Negligee, filed Dec. 4, 1941, D. C., E. D. N. Y., Doc. 2418, *Roymodes Negligees, Inc.*, v. *Rainbow Shops, Inc., et al.*

Des. 129,210, I. Buchhols, Dress, filed Nov. 21, 1941, D. C., S. D. N. Y., Doc. 16/323, *Friedman & Buchhols Dress Co.* Same, filed Nov. 28, 1941, D. C., S. D. N. Y., Doc. 16/377, *Friedman & Buchhols Dress Co.* v. *Puritan Skirt & Dress Co.*

Des. 129,842, M. Boucher, Pin, filed Nov. 24, 1941, D. C., S. D. N. Y., Doc. 16/339, *Marcel Boucher et al.* v. *Fashionart Jewelry Mfg. Co.*

Trade-Mark Registrations Canceled

306,152. Men's underwear. Coopers, Incorporated, Kenosha, Wis. Registered September 12, 1933. Canceled December 9, 1941.

325,819. Men's shorts. Coopers, Inc., Kenosha, Wis. Registered July 2, 1935. Canceled December 9, 1941.

333,540. Men's underwear. Coopers, Inc., Kenosha, Wis. Registered March 24, 1936. Canceled December 9, 1941.

342,706. Men's shorts. Coopers, Incorporated, Kenosha, Wis. Registered January 26, 1937. Canceled December 9, 1941.

343,302. Men's hose. Coopers, Incorporated, Kenosha, Wis. Registered February 16, 1937. Canceled December 9, 1941.

346,622. Swim trunks. Coopers, Incorporated, Kenosha, Wis. Registered June 1, 1937. Canceled December 9, 1941.

351,046. Insecticides, disinfectants, etc. Clair F. Limbeck, doing business as Alfagold Company, Dubuque, Iowa. Registered October 19, 1937. Canceled December 9, 1941.

361,483. Men's undergarments. Coopers, Incorporated, Kenosha, Wis. Registered October 18, 1938. Canceled December 9, 1941.

363,981. Men's underwear. Coopers, Incorporated, Kenosha, Wis. Registered January 17, 1939. Canceled December 9, 1941.

370,843. Men's undergarments. Coopers, Incorporated, Kenosha, Wis. Registered September 12, 1939. Canceled December 9, 1941.

371,387. Men's hose. Coopers, Incorporated, Kenosha, Wis. Registered September 26, 1939. Canceled December 9, 1941.

378,596. Bicycles. Monark Silver King, Inc., Chicago, Ill. Registered June 11, 1940. Canceled October 24, 1941.

381,925. Men's and Boys' underwear. Coopers, Incorporated, Kenosha, Wis. Registered October 15, 1940. Canceled December 9, 1941.

387,110. Paper bags. Superior-Lawrence Bag Company, Middletown, Ohio. Registered April 29, 1941. Canceled December 19, 1941.

389,449. Men's summer suits. Raleigh Haberdasher, Washington, D. C. Registered August 5, 1941. Canceled November 7, 1941.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 13, 1942

[VOL. 534. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 447,084. THE UNION MINING COMPANY, Mount Savage, Md., and Pittsburgh, Pa. Filed Sept. 16, 1941.

JEM MIX

Applicant makes no claim to the word "Mix" except in association with the word "Jem Mix."

FOR CERAMIC MATERIALS TO BE USED AS A MONOLITH LINING FOR LADLES, CUPOLAS, BRICK SETTING, CRUCIBLES, AND WELL.

Claims use since November 7, 1940.

Ser. No. 448,053. THE KEARNS COAL COMPANY, Cincinnati, Ohio. Filed Oct. 23, 1941.

Cam-Ray

FOR COAL.

Claims use since August, 1939.

Ser. No. 448,107. MCHUTCHISON & CO., New York, N. Y. Filed Oct. 25, 1941.

A.A.WESTCOAST

FOR RAFFIA.

Claims use since September, 1911.

Ser. No. 448,108. MCHUTCHISON & CO., New York, N. Y. Filed Oct. 25, 1941.

RED ★ STAR

FOR RAFFIA.

Claims use since September, 1911.

CLASS 2

RECEPTACLES

Ser. No. 447,331. WILBERT W. HAASE CO., INC., Forest Park, Ill. Filed Sept. 26, 1941.



Applicant is owner of T. M. Reg. No. 360,041. All wording except the name "Wilbert" is disclaimed apart from the mark.

FOR BURIAL VAULTS.

Claims use since Aug. 20, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 448,860. MARSHALL FIELD & COMPANY, Chicago, Ill Filed Nov. 24, 1941.

Vanniteau

FOR WOMEN'S HANDBAGS.

Claims use since Dec. 15, 1940.

Ser. No. 449,150. PHILCO CORPORATION, Philadelphia, Pa. Filed Dec. 3, 1941.

PHILCO

FOR CANVAS CARRYING CASES AND LEATHER CARRYING CASES.

Claims use on canvas carrying cases since November, 1933; and on leather carrying cases since March, 1934.

Ser. No. 449,174. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 4, 1941.

TOWN & TRAVEL

FOR WOMEN'S HANDBAGS.

Claims use since December, 1938.

Ser. No. 449,175. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 4, 1941.

Trimode

FOR WOMEN'S HANDBAGS.
Claims use since December, 1936.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 443,495. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

SANITONE D

FOR ABSORBEFACIENT AND DETERGENT FOR DRY CLEANING.
Claims use since 1933.

Ser. No. 443,496. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

SANITONE S

FOR ABSORBEFACIENT AND DETERGENT USED IN DRY CLEANING, HAND SPOTTING AND FOR GENERAL CLEANING PURPOSES.
Claims use since 1937.

Ser. No. 443,497. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

SANITONE X

FOR ABSORBEFACIENT FOR DRY CLEANING.
Claims use since 1934.

Ser. No. 447,221. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Sept. 20, 1941.

WETSO

FOR CRUDE TALL OIL (TALLOEL) SOAP DERIVED FROM THE FATS AND RESINS OF PINE WOOD.
Claims use since Mar. 8, 1939.

Ser. No. 448,128. THE AUTO SUPPLIES MFG. CO., INC., Denver, Colo. Filed Oct. 27, 1941.

AUNT DINAH



FOR CHEMICALLY TREATED POLISHING CLOTHS.
Claims use since October, 1936.

Ser. No. 448,672. CHARLOTTE CHEMICAL LABORATORIES, INC., Charlotte, N. C. Filed Nov. 15, 1941.

CHARLAB

FOR WASHING POWDER.
Claims use since May 2, 1938.

Ser. No. 448,756. COSMATA, INC., Long Island City, N. Y. Filed Nov. 19, 1941.

MAR-BEL

FOR SOAPS.
Claims use since Sept. 16, 1941.

CLASS 5

ADHESIVES

Ser. No. 444,748. J. HARRY BLAMEY, doing business as Blamey Decorating Co., Sacramento, Calif. Filed June 23, 1941.

SAV-A-SIZE

No claim is made to the word "Size" apart from the mark.
FOR ADHESIVE PASTE.
Claims use since June 1, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 437,484. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 1, 1940.

LUCORTEUM

FOR PREPARATIONS USED AS BIOLOGICAL STIMULANTS FOR GLANDULAR ACTIVITY INCLUDING GLANDULAR PREPARATIONS INCLUDING SEX HORMONES SUCH AS PROGESTERONE AND INCLUDING PREPARATIONS HAVING ACTIVITY SIMILAR TO GLANDULAR PREPARATIONS AND SIMILAR TO SEX HORMONES AND SIMILAR TO PROGESTERONE.
Claims use since Oct. 30, 1940.

Ser. No. 442,596. HAROLD J. KNACK, Detroit, Mich. Filed Apr. 15, 1941.



No claim is made to the words "Soot Destroyer Brick" apart from the mark.
FOR SOOT DESTROYER BRICKS.
Claims use since July 1, 1938.

Ser. No. 443,487. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

HYFAC

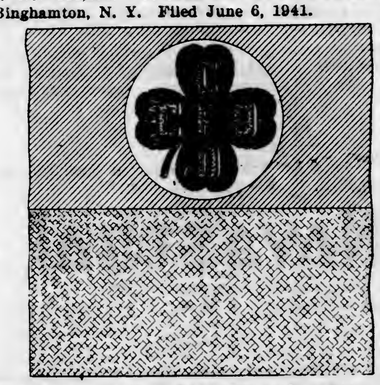
FOR HYDROGENATED MARINE OIL FATTY ACIDS.
Claims use since 1940.

Ser. No. 443,488. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

KONTAKT

The applicant is the owner of T. M. #109,793, April 18, 1916 (renewed).
FOR FAT SPLITTING REAGENTS AND SAPONIFIERS.
Claims use since 1915.

Ser. No. 444,256. CO-OPERATIVE FEED DEALERS, INC., Binghamton, N. Y. Filed June 6, 1941.



The drawing is lined for brown and orange.
FOR WHEAT GERM OILS TO BE MIXED WITH ANIMAL FOODS.
Claims use since Feb. 11, 1941.

Ser. No. 445,979. DRUG GUILD, INC., New York, N. Y. Filed Aug. 5, 1941.

GUILD

FOR ANTISEPTIC MOUTH WASH, COMPRISING MINERAL OIL, AGAR AND PHENATHALIN EMULSION, MAGNESIA TABLETS, MILK OF MAGNESIA AND OIL, ANTACID POWDER, GRANULAR EFFERVESCENT SALT, MILK OF MAGNESIA, ASTRINGENT MOUTH WASH, PREPARATION FOR THE TREATMENT AND RELIEF OF ATHLETE'S FOOT, ASPIRIN, LAXATIVE TABLETS, HALIBUT CAPSULES PLAIN, HALIBUT AND VIOSTEROL CAPSULES, ABDG CAPSULES, VITAMIN AND CAPSULES, COD LIVER OIL TABLETS, COD LIVER OIL (LIQUID), DICALCIUM WAFERS WITH VIOSTEROL, VIOSTEROL IN OIL, HALIBUT AND VIOSTEROL (LIQUID), COD LIVER OIL AND VIOSTEROL, MALT EXTRACT COMPOUND, VITAMIN A AND D CAPSULES, VITAMIN A AND D (LIQUID), THIAMIN CHLORIDE TABLETS, COMPOUND OF VITAMINS A, B, C, D, AND G, VITAMIN B COMPLEX CAPSULES, ALUM POWDER USP, ANISE SEED USP, BICARBONATE OF SODA USP, BORAX, BORIC ACID POWDER USP, CHALK AND ORRIS, CHALK FRENCH, CHAMOMILE HUNGARIAN, CHLORATE OF POTASH, COMP. LICORICE POWDER USP, CREAM TARTAR USP, EPSOM SALTS USP, FENNEL SEED USP, FLAXSEED GROUND USP, FLAXSEED WHOLE USP, HENNA POWDER, ORRIS ROOT POWDER, OXALIC ACID CRYSTALS, PRECIPITATED CHALK, ROCHELLE SALT, SALTPETRE, SENNA LEAVES, SENNA PODS, SODIUM PERBORATE, SULPHUR FLOWERS, SUNFLOWER SEEDS, WHITE HENNA.
Claims use since October 1937.

Ser. No. 446,089. PEGGY SAGE, INC., Stamford, Conn. Filed Aug. 8, 1941.

WHITE MAGIC

FOR LIQUID NAIL POLISH.
Claims use since Aug. 4, 1941.

Ser. No. 446,120. W. O. WASHBURN & SONS, INC., St. Paul, Minn. Filed Aug. 9, 1941.

WHITE MAGIC

FOR LOTION FOR THE FACE, BODY, HANDS, AND LIMBS, CHARACTERIZED BY THE FACT THAT IT CONDITIONS, SOFTENS, CLEANSES, AND PROTECTS THE SKIN AND BUILDS UP SKIN TISSUE, SERVES AS A POWDER BASE, SERVES FOR RUBBING THE BODY, AND PREVENTING AND CORRECTING CHAPPING, AND FOR SOOTHING WIND BURN AND SUN BURN.
Claims use since Aug. 7, 1934.

Ser. No. 446,237. JAMES E. MCMULLIN & SONS, Sparta, Ga. Filed Aug. 14, 1941.

TWELVE TRIBE

FOR BLOOD TONIC.
Claims use since Mar. 6, 1940.

Ser. No. 447,584. ZEPH S. CHAPMAN, Los Angeles, Calif. Filed Oct. 6, 1941.

NO-INFERNO

FOR PREPARATION OF CHEMICALS USED FOR THE EXTINGUISHMENT OF MAGNESIUM FIRES.
Claims use since May 7, 1941.

Ser. No. 447,767. RIGIDTEST PRODUCTS, INC., Chicago, Ill. Filed Oct. 13, 1941.

ZINBORSAL

FOR ANTISEPTIC AND BACTERICIDAL PREPARATIONS.
Claims use since June 1, 1940.

Ser. No. 447,952. LOUISE G. RAMSEY, doing business as Certin Hair Preparations, Gary, Ind. Filed Oct. 20, 1941.

CERTIN

FOR HAIR PREPARATION.
Claims use since Sept. 20, 1941.

Ser. No. 447,967. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Oct. 21, 1941.

LADIES AND GENTLEMEN

FOR PERFUMES.
Claims use since Sept. 3, 1941.

Ser. No. 448,071. THE AURORA PRODUCTS CORPORATION, Cleveland, Ohio. Filed Oct. 24, 1941.



The term "American" is disclaimed apart from the mark. The drawing is lined for red and blue.
FOR SKIN LOTION.
Claims use since July 1, 1941.

Ser. No. 448,179. YU-KA STARCH CORPORATION, Miami Beach, Fla. Filed Oct. 27, 1941.



FOR LAUNDRY STARCH AND STARCH USED AS A SIZING, BEING A STARCH FLOUR DERIVED FROM THE ROOTSTOCKS OF THE CASSAVA PLANT.
Claims use since Sept. 10, 1941.

Ser. No. 448,443. THE THEON COMPANY, INC., New York, N. Y. Filed Nov. 6, 1941.

Scent o Lite

The word "Scent" is disclaimed apart from the mark.
FOR PERFUMES.
Claims use since June 1, 1940.

Ser. No. 448,559. HOUSE OF TRE-JUR, INC., New York, N. Y. Filed Nov. 12, 1941.

VARVA

FOR TOILET WATER, PERFUME, BATH POWDER, TALCUM POWDER, SACHET POWDER, AND BUBBLE FOAM POWDER.
Claims use on toilet water and perfume since Oct. 14, 1938; on bath powder, talcum powder and sachet since Jan. 2, 1939; and on bubble foam powder since Feb. 1, 1941.

Ser. No. 448,648. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Nov. 14, 1941.

Novesthal

FOR LOCAL ANESTHETICS.
Claims use since Mar. 1, 1920.

Ser. No. 448,687. AMERICAN CHEMICAL COMPANY, INC., Chicago, Ill. Filed Nov. 17, 1941.

PHENOBOLE

FOR SYNTHETIC ORGANIC CHEMICAL USED AS AN ANTHELMINTIC OR VERMIFUGE AND URINARY ANTISEPTIC FOR ANIMALS AND POULTRY CONSISTING OF PHENOTHIAZINE AND EXCIPIENT.
Claims use since November, 1940.

Ser. No. 448,785. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Nov. 21, 1941.

CALFATE

FOR CALCIUM SULFATE FOR USE AS A PIGMENT EXTENDER AND OTHER PURPOSES.
Claims use since Oct. 17, 1941.

Ser. No. 448,819. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J. Filed Nov. 22, 1941.

DIGIFOLIN

FOR PREPARATION USED IN HEART AFFECTIONS.
Claims use since Aug. 1, 1941.

Ser. No. 448,831. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 22, 1941.

PAN-CONCEMIN

FOR POLYVITAMIN TABLETS.
Claims use since Oct. 28, 1941.

Ser. No. 448,906. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed Nov. 25, 1941.

GONG

FOR PERFUME AND TOILET WATER, FACE POWDER AND LIPSTICK.
Claims use since Nov. 17, 1941.

Ser. No. 448,946. MAURICE LEVY, doing business as Renoir Perfumer, New York, N. Y. Filed Nov. 26, 1941.

IMPETUOUS

FOR PERFUME.
Claims use since Nov. 21, 1941.

Ser. No. 449,006. GAMBOA, INC., New York, N. Y. Filed Nov. 28, 1941.

Could I? should I?

FOR PERFUME.
Claims use since Nov. 21, 1941.

Ser. No. 449,013. THE L. MARTIN COMPANY, INC., New York, N. Y. Filed Nov. 28, 1941.

RAVEN

FOR LAMPBLACK HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since 1882.

Ser. No. 449,025. SOCIEDAD ANONIMA DE PRODUCTOS QUIMICOS FK PARA INDUSTRIA Y FARMACIA, New York, N. Y. Filed Nov. 28, 1941.



FOR NICOTINAMIDE, NICOTINIC ACID DIETHYLAMIDE, ACETYL-P-AMINOPHENYL SALICYLATE, DIGITALIN.
Claims use since Oct. 15, 1941.

Ser. No. 449,047. CHARLES C. HASKELL & CO. INC., Richmond, Va. Filed Nov. 29, 1941.

DUOSULFON

FOR OINTMENT FOR THE TREATMENT OF CUTANEOUS INFECTIONS.
Claims use since May 15, 1941.

Ser. No. 449,094. DAVID CRYSTAL INC., New York, N. Y. Filed Dec. 2, 1941.

CHEERIO

FOR PERFUME.
Claims use since Nov. 10, 1941.

Ser. No. 449,105. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 2, 1941.

DOMESTRIN

FOR SUBSTANCES CAUSING CELLULAR STIMULATION, HORMONES AND PREPARATIONS CONTAINING HORMONES, INCLUDING ESTROGENIC HORMONES INCLUDING STILBESTEROL (DIETHYL STILBESTROL) AND PREPARATIONS USEFUL FOR THE PREVENTION AND TREATMENT OF DEFICIENCIES IN RESPECT TO WHICH THE PRECEDING DESCRIBED PREPARATIONS ARE USEFUL.
Claims use since Nov. 6, 1941.

Ser. No. 449,106. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 2, 1941.

RETINAVITE

FOR PREPARATIONS FOR TREATMENT OF CONDITIONS RESULTING FROM METABOLIC DEFICIENCIES INCLUDING VITAMIN DEFICIENCIES, INCLUDING VITAMIN-CONTAINING PREPARATIONS, AND INCLUDING PREPARATIONS CONTAINING THE COMBINATION OF VITAMINS A AND B_2.
Claims use since Nov. 26, 1941.

Ser. No. 449,128. COTY, INC., New York, N. Y. Filed Dec. 3, 1941.

SHAPELIP

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Nov. 24, 1941.

Ser. No. 449,129. COTY, INC., New York, N. Y. Filed Dec. 3, 1941.

TELLTALE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Nov. 24, 1941.

Ser. No. 449,170. LILLY DACHE, INC., New York, N. Y. Filed Dec. 4, 1941.

Drifting

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Sept. 15, 1941.

Ser. No. 449,201. BENFU LOTION CO., New York, N. Y. Filed Dec. 5, 1941.

BENFU

FOR SCALP LOTION AND SHAMPOO.
Claims use since Nov. 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 448,605. FERRO ENAMEL CORPORATION, Cleveland, Ohio. Filed Nov. 13, 1941.

CESCO

FOR FIRE BRICK, REFRACTORY TILE, REFRACTORY MATERIALS USED IN FURNACE CONSTRUCTION INCLUDING REFRACTORY CEMENTS.
Claims use since September, 1936.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 448,262. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 30, 1941.

PAY DAY

FOR METAL CURTAIN RODS AND METAL CURTAIN ROD FIXTURES.
Claims use since Oct. 15, 1941.

Ser. No. 448,444. YARNALL-WARING COMPANY, Philadelphia, Pa. Filed Nov. 6, 1941.

YARWAY

FOR IMPULSE STEAM TRAPS.
Claims use since October, 1933.

Ser. No. 449,108. TALON, INC., Meadville, Pa. Filed Dec. 2, 1941.

V

FOR SEPARABLE FASTENERS OF THE SLIDER-CONTROLLED TYPE.
Claims use since Nov. 26, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 446,740. MAGNAFLUX CORPORATION, Chicago, Ill. Filed Sept. 2, 1941.



FOR METALLIC COMMINUTED PARAMAGNETIC MATERIAL FOR USE IN LOCATING DEFECTS IN MAGNETIC BODIES.
Claims use since Oct. 7, 1940.

Ser. No. 447,618. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed Oct. 8, 1941.

A.O. SMITH Sway Smith

FOR METALLIC WELDING ELECTRODES.
Claims use since May 5, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 448,870. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Filed Nov. 24, 1941.

NATIONAL ENARCO SOLV

FOR FLUSHING OIL.
Claims use since May, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 447,382. UNITED VARNISH CORPORATION, Long Island City, N. Y. Filed Sept. 27, 1941.

PRIMONOL

FOR ALKALI RESISTANT PIGMENTED COATING FOR USE ON NEW PLASTER AS A PAINT SEALER.
Claims use since July 1, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 446,829. DE NOBILI CIGAR COMPANY, Long Island City, N. Y. Filed Sept. 5, 1941.

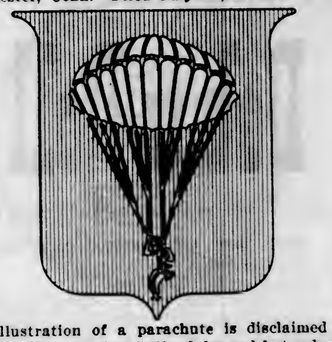
GAUCHO

FOR CIGARS AND SMOKING TOBACCO.
Claims use since Aug. 15, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,559. PIONEER PARACHUTE COMPANY, INC., Manchester, Conn. Filed July 22, 1941.



The illustration of a parachute is disclaimed except as shown. The drawing is lined for red but color is not an essential feature of the mark.
FOR AVIATION EQUIPMENT — NAMELY, PARACHUTES, PARACHUTE PACKS, PARACHUTE HARNESSES, PILOT CHUTES, AND PARTS OF ALL SUCH EQUIPMENT.
Claims use since December, 1939.

Ser. No. 448,294. GORDON HURD, Flushing, N. Y. Filed Oct. 31, 1941.

Bundle Bus

The word "Bundle" is disclaimed apart from the mark.
FOR HAND TRUCKS IN THE NATURE OF WHEELED SHOPPING BAGS.
Claims use since Sept. 9, 1941.

Ser. No. 448,410. ERLINDER-PLATT SALES CORPORATION, Chicago, Ill. Filed Nov. 5, 1941.

FLEXOMOLD

FOR AUTOMOBILE AND TRUCK BODIES AND MOTOR BOATS INCLUDING PLASTIC TRIM MOLDINGS THEREFOR.
Claims use since Feb. 10, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 448,549. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Nov. 12, 1941.

Whirlaway

FOR ELECTRIC FANS.
Claims use since June 12, 1941.

Ser. No. 448,550. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Nov. 12, 1941.

PACEMAKER

FOR ELECTRIC FANS.
Claims use since June 20, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 436,776. MARGIT NILSEN STUDIOS INC., New York, N. Y. Filed Oct. 9, 1940.

Deb-u-Doll

No claim is made to the word "Doll" apart from the mark.

FOR DOLLS FOR EXHIBITION PURPOSES AND USE AS MANNEQUINS.

Claims use since Sept. 15, 1940.

Ser. No. 441,496. TOY MANUFACTURERS OF THE U. S. A. INC., New York, N. Y. Filed Mar. 12, 1941. Under the act of February 20, 1905, as amended June 10, 1938.



All wording is disclaimed apart from the mark.

FOR TOYS AND PLAYTHINGS, INCLUDING AERIAL TOYS, BALLS AND BALLOONS, BLACKBOARDS, BOATS, DOLLS AND ACCESSORIES, DOLL FURNITURE AND HOUSES, EDUCATIONAL GAMES AND TOYS, TOY MUSICAL INSTRUMENTS, NOISEMAKERS, TOY SOLDIERS, AUTOMOBILES, AIRPLANES AND OTHER SIMILAR METAL OR RUBBER TOYS, TOOLS AND TOOL CHESTS, TOY WAGONS, CHILDREN'S VELOCIPEDES, DOLL CARRIAGES, MARBLES, SKIS, ICE-SKATES, ROLLER SKATES, SLEDS, TRAINS AND ACCESSORIES.

Claims use since Feb. 1, 1918.

Ser. No. 447,266. DILLON-BECK MANUFACTURING COMPANY, Irvington, N. J. Filed Sept. 23, 1941.

ADJUSTO FLOAT

Applicant disclaims the word "Float" apart from the mark.

FOR PLASTIC SELF-ADJUSTING CASTING FLOATS.

Claims use since Apr. 5, 1939.

Ser. No. 449,182. PAUL A. JONES, doing business as Kiddie Brush & Toy Company, Jonesville, Mich. Filed Dec. 4, 1941.

Susy Goose

FOR TOY CARPET SWEEPERS, TOY HOUSE-CLEANING SETS AND THEIR CONTENTS CONSISTING OF FLOOR MOPS, CORN BROOMS, CARPET SWEEPERS, DUST PANS, DUSTERS; DOLL HOUSES AND TEA DISH WASHING SETS AND DISHES.

Claims use since May, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 448,038. THE CHAMPION PECAN MACHINE COMPANY, San Antonio, Tex. Filed Oct. 23, 1941.



No claim is made to the words "Cracks Em Perfect" apart from the mark.

FOR NUT CRACKING AND PROCESSING MACHINES AND PARTS THEREOF.

Claims use since June 5, 1941.

CLASS 25

LOCKS AND SAFES

Ser. No. 447,624. WARTSILA-YHTYMA O/Y-WARTSILA-KONCERNEN A/B, Vartsila, Finland. Filed Oct. 8, 1941.

No claim is made to the representation of a key.



FOR LOCKS, LOCK PARTS, AND KEYS FOR LOCKS.

Claims use since Nov. 1, 1918.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 447,668. RAYGRAM CORPORATION, New York, N. Y. Filed Oct. 10, 1941.

RAYGRAM

FOR PHOTOGRAPHIC SPECIALTIES—VIZ., HAND FLASH GUNS; CARRYING CASES FOR CAMERAS; CARRYING CASES FOR HUMIDOR REELS; CARRYING CASES FOR PROJECTORS; CONTAINERS FOR FILM SLIDES; CONTAINERS FOR FILM REELS; PROJECTION SCREENS; TRANSPARENCY VIEWERS; TRIPODS; TILT TOPS; COMBINATION TRIPODS AND TILT TOPS; SWING-TILT PAN HEADS; DEVELOPING OUTFITS; ENLARGER HELMETS; MASKS; CHANGING BAGS; MICRO-FOCUSING STRIPS; TANK THERMOMETERS; TRAY THERMOMETERS; STIRRING-ROD THERMOMETERS; PRINT PRESSES; BLOTTER PRESSES; TRIMMING BOARDS; WEIGHING AND MEASURING SPOONS; PRINT ROLLERS; DARKROOM APRONS; AND COLORING WADS.

Claims use since 1932.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 447,706. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Oct. 11, 1941.



The representation of the goods is disclaimed apart from the mark.

FOR WATCHES.

Claims use since Feb. 25, 1927.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 443,781. RAND BROTHERS, New York, N. Y. Filed May 21, 1941.

Pompadour

FOR ARTIFICIAL PEARL NECKLACES AND PEARL BEADS.

Claims use since Oct. 15, 1940.

Ser. No. 445,050. FUTURE FARMERS OF AMERICA, INC., Richmond, Va., and Washington, D. C. Filed July 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938.



FOR ORGANIZATION ADVISER PINS, BADGES, AND BUTTONS, BUCKLES, COLLEGIATE CHAPTER PINS, TROPHY CUPS, DEGREE PINS AND KEYS, JEWELRY OTHER THAN WATCHES, MEDALS, NECK-TIE CHAIN CLASPS, DEGREE BADGES; AND KEYS, PLAQUES, FINGER RINGS, AND WATCH FOBS, ALL OF THE GOODS BEING IN WHOLE OR IN PART OF PRECIOUS METAL OR PRECIOUS METAL PLATED WARE.

Claims use since November, 1928.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 448,012. MRS. J. Z. RUSKIN, doing business as Cumbow China Decorating Company, Abingdon, Va. Filed Oct. 22, 1941.

Old School

FOR CERAMIC TABLE AND COOKING WARE, VASES, JARS, JUGS, JARDINIERES, CROCKS, CUSPIDORS, AND FLOWER POTS.

Claims use since January, 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 449,181. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Dec. 4, 1941.

MORPHEUS

FOR MATTRESSES, PILLOWS, AND BOX-SPRINGS.

Claims use since Jan. 1, 1918.

Ser. No. 449,200. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 5, 1941.

NoMAR

Applicant is the owner of prior registration No. 232,585, registered Sept. 13, 1927.

FOR DESK CUPS OF COMPOSITION MATERIAL AND RUBBER DESK SHOES.

Claims use on desk cups of composition material since on or about Aug. 1, 1930; and on rubber desk shoes since on or about Jan. 1, 1934.

CLASS 33

GLASSWARE

Ser. No. 448,659. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1941.

Flamex

FOR GLASS COOKING UTENSILS.
Claims use since Aug. 5, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 439,109. KALIX MILLS INCORPORATED, Lawrence, Mass. Filed Dec. 23, 1940.

KALIX

FOR GASKETS, NON-METALLIC PACKING, AND FLEXIBLE TUBING.
Claims use since June 1, 1940.

Ser. No. 447,932. THE CLEVELAND GASKET AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 20, 1941.

HALCO

FOR GASKETS AND PLANT FIBRE SHEET PACKING MATERIAL.
Claims use since Aug. 28, 1941.

Ser. No. 449,287. MUSKEGON PISTON RING COMPANY, Muskegon, Mich. Filed Dec. 8, 1941.

MPR

FOR PISTON RINGS.
Claims use since Nov. 5, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 441,839. THE WILCOX-GAY CORPORATION, Charlotte, Mich. Filed Mar. 22, 1941.

RECORDIO

FOR PHONOGRAPHS FOR REPRODUCING VOICE, MUSIC, AND SOUND GENERALLY; PHONOGRAPHIC RECORDING INSTRUMENTS FOR RECORDING VOICE, MUSIC, AND SOUND GENERALLY ON PHONOGRAPH RECORD BLANKS; COMBINATIONS OF THE FOREGOING AND COMBINATIONS OF THE FOREGOING WITH RADIO RECEIVERS; AND PHONOGRAPH RECORD BLANKS.
Claims use since June 12, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 445,669. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed July 26, 1941.

RCA

FOR MECHANICAL PENCILS, FOUNTAIN PENS, RUBBER STAMPS, INK PADS, BUSINESS CARDS, BLANK FORMS—NAMELY, BILLHEADS, GUMMED STICKERS, NOT-AT-HOME CARDS, GUMMED SHIPPING LABELS, AND ORDER PADS.
Claims use on billheads, not-at-home cards and order pads since the summer of 1934; on business cards since March, 1936; on mechanical pencils since Oct. 2, 1936; on rubber stamps and ink pads since April, 1939; on gummed stickers and gummed shipping labels since October, 1939; and on fountain pens since May 29, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 433,306. PLEASE U FILM SERVICE, La Crosse, Wis. Filed June 24, 1940.



No claim is made to the outline map of the United States apart from the mark.
FOR PRINTED PHOTOGRAPHS AND PHOTOGRAPHIC PRINTS.
Claims use since June 1, 1939.

Ser. No. 444,030. THE ALL-AMERICAN ATHLETIC ASSOCIATION, New York, N. Y. Filed May 29, 1941.

ALL AMERICAN Athlete

AND SPORTS DIGEST

The words "All American" and "Sports Digest" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since Nov. 25, 1940.

Ser. No. 446,995. CRESTWOOD PUBLISHING CO., INC., New York, N. Y. Filed Sept. 12, 1941.

PICTORIAL THRILL

No claim is made to the word "Pictorial" except in conjunction with the word "Thrill."
FOR PERIODICAL PUBLICATION.
Claims use since Aug. 29, 1941.

CLASS 39

CLOTHING

Ser. No. 443,717. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed May 20, 1941.

KIDDIE-KOMFORT SHOES

Applicant disclaims the words "Komfort" and "Shoes" apart from the mark.
FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF SUCH MATERIALS.
Claims use since Feb. 11, 1941.

Ser. No. 446,732. CAPSON HAT COMPANY, INC., Fall River, Mass. Filed Sept. 2, 1941.

"ULTRA-EZE" SELF-CONFORMING

The words "Self-Conforming" are disclaimed apart from the mark.
FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Aug. 8, 1941.

Ser. No. 446,874. HER MAJESTY UNDERWEAR COMPANY, Philadelphia, Pa., and New York, N. Y. Filed Sept. 8, 1941.

TO -A -T

FOR WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S UNDERWEAR, SLIPS, PANTIES, BLOOMERS, VESTS, NIGHTGOWNS, PAJAMAS, CHEMISE, AND UNION SUITS.
Claims use since July 30, 1941.

Ser. No. 447,404. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Sept. 29, 1941.

QUAD CONVERTIBLE

FOUR COATS IN ONE

All wording except "Quad" is disclaimed apart from the mark.
FOR WOMEN'S, MISSES', JUNIORS', TEENS' AND CHILDREN'S WEARING APPAREL—NAMELY, COATS, SUITS, AND DRESSES.
Claims use since May 15, 1941.

Ser. No. 447,405. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Sept. 29, 1941.



FOR WOMEN'S, MISSES', JUNIORS', TEENS', HALF SIZE, AND WOMEN'S WEARING APPAREL—NAMELY, COATS AND SUITS.
Claims use since May 15, 1941.

Ser. No. 447,728. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 13, 1941.

Conwaybilt

FOR MEN'S OUTER SHIRTS AND SLEEPING PAJAMAS.
Claims use since December, 1917.

Ser. No. 447,977. DAVID D. DONIGER & CO., New York, N. Y. Filed Oct. 21, 1941.

SCOTLIN

FOR MEN'S AND BOYS' SLACKS, SPORTS SHIRTS, COMBINATION SLACKS AND SHIRTS, SPORTS JACKETS AND SHORTS.
Claims use since Aug. 15, 1941.

Ser. No. 448,460. ROSE BROTHERS, New York, N. Y. Filed Nov. 7, 1941.

Genuine
RO'CROFT
Topcoat
WARMTH WITHOUT WEIGHT

All wording except "Ro'Croft" is disclaimed apart from the mark.

FOR MEN'S AND YOUNG MEN'S TOPCOATS.

Claims use since Oct. 15, 1939.

Ser. No. 448,632. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 14, 1941.

LATONA

FOR WOMEN'S SLIPS.

Claims use since Oct. 22, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 448,628. THOMAS TAYLOR & SONS, INC., Hudson, Mass. Filed Nov. 13, 1941.

DAWHIDE

FOR SHOE LACES.

Claims use since July, 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 448,543. THE ASPINOOK CORPORATION, Jewett City, Conn. Filed Nov. 12, 1941.

ASPISETT

FOR ALL COTTON, ALL RAYON, AND COMBINATIONS OF COTTON AND RAYON, COTTON AND ACETATE, RAYON AND ACETATE, AND RAYON AND WOOL FABRICS IN THE PIECE.

Claims use since Aug. 22, 1941.

Ser. No. 448,597. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Nov. 13, 1941.

DOWNRITE

FOR PILE FABRICS IN THE PIECE.

Claims use since Oct. 30, 1941.

Ser. No. 448,733. A. & M. KARAGHEUSIAN, INC., New York, N. Y. Filed Nov. 18, 1941.

RENAISSANCE

FOR TEXTILE RUGS, CARPETS, FLOOR AND WALL COVERS.

Claims use since July, 1940.

Ser. No. 448,813. ARTLOOM CORPORATION, Philadelphia, Pa. Filed Nov. 22, 1941.

CURLGLO

FOR CARPETS AND RUGS.

Claims use since July 13, 1936.

Ser. No. 448,814. ARTLOOM CORPORATION, Philadelphia, Pa. Filed Nov. 22, 1941.

SUPER CURLGLO

FOR CARPETS AND RUGS.

Claims use since July 13, 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 448,504. ECONOMY DENTAL SUPPLY CO., Portland, Oreg. Filed Nov. 10, 1941.

TISSU-CRYLIC

The word "Tissu" does not form a part of the mark sought apart from the mark shown.

FOR PLASTIC MATERIAL USED IN THE MANUFACTURE OF DENTURES.

Claims use since Apr. 1, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 445,124. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR NATURAL MINERAL WATERS, NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SOFT DRINKS.

Claims use since Aug. 1, 1936.

Ser. No. 445,130. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR NATURAL MINERAL WATERS, NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SOFT DRINKS.

Claims use since Aug. 1, 1936.

Ser. No. 445,133. COMPANHIA ANTARCTIA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.

DUBAR

The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

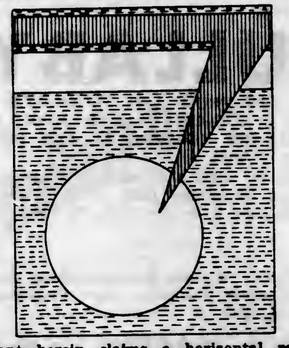
FOR NATURAL MINERAL WATERS, NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SOFT DRINKS.

Claims use since Jan. 22, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 425,657. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Nov. 15, 1939.



Applicant herein claims a horizontal red bar and depending red pointer on a silver or gray background together with narrow silver or gray bars above and below the horizontal red bar, together also with an associated white disc, irrespective of wording or other possibly associated features of trade-mark significance or other character which may be printed thereon or adjacent thereto.

FOR COFFEE.

Claims use since Oct. 11 1937.

Ser. No. 445,530. RED DOT FOODS, INC., Madison, Wis. Filed July 21, 1941.



FOR POTATO CHIPS.

Claims use since Dec. 15, 1939.

Ser. No. 445,821. THE NOMIS CORPORATION, Lafayette, Ind., and Jacksonville, Fla. Filed July 31, 1941.

OYSTERBURGER

FOR FILLERS FOR SEA FOOD SANDWICHES HAVING OYSTERS AS THEIR BASE.

Claims use since July 28, 1941.

Ser. No. 446,332. THE NOMIS CORPORATION, Lafayette, Ind., and Jacksonville, Fla. Filed Aug. 18, 1941.

OCEANBURGER

FOR FILLERS FOR SEA FOOD SANDWICHES HAVING FISH FOR THEIR BASE.

Claims use since Aug. 11, 1941.

Ser. No. 446,620. HARRY W. DORAN, doing business as Harry's Diner, New Orleans, La. Filed Aug. 28, 1941.

CHICKEN ON THE FENCE

No claim is made to the word "Chicken" apart from the mark.

FOR SPECIALLY PREPARED FRIED CHICKEN DINNER, AND SOLD TO THE TRADE AS SUCH.

Claims use since June 5, 1941.

Ser. No. 446,810. OMAR INCORPORATED, Omaha, Nebr. Filed Sept. 5, 1941.

MOUNTAIN SPRING

FOR WHEAT FLOUR.

Claims use since July 26, 1941.

Ser. No. 447,248. PACIFIC TRADING COMPANY, INC., San Francisco, Calif. Filed Sept. 22, 1941.

WEL-PAC



DRIED SHREDDED SHRIMP

Applicant is owner of T. M. Reg. Nos. 284,221 and 336,513. No claim is made to the words "Dried Shredded Shrimp" and "Pac" or the representation of a shrimp apart from the mark.

FOR PACKAGED DRIED SHRIMP.

Claims use since July, 1941.

Ser. No. 447,536. CERRUTI & COMINELLI, New York, N. Y. Filed Oct. 4, 1941.



FOR CHEESE.

Claims use since 1922.

Ser. No. 447,547. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Filed Oct. 4, 1941.

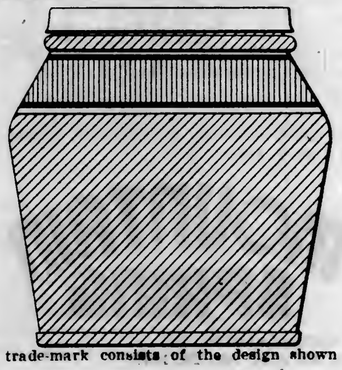
NIDO

The word "Nido" means "Nest" in Spanish.

FOR POWDERED MILK.

Claims use since August, 1941.

Ser. No. 447,814. MAINE CANNED FOODS, INC., Portland, Maine. Filed Oct. 15, 1941.



The trade-mark consists of the design shown in the drawing comprising a red annular band on the upper or shoulder portion of a brown jar, the lining representing the colors red and brown. No claim is made to the representation of the jar or to the portion thereof lined for brown or to the cover of the jar. Applicant however, relinquishes no common law right to the representation of the jar or container.

FOR CANNED FOOD PRODUCTS—NAMELY, CANNED BAKED BEANS.

Claims use since Dec. 30, 1936.

Ser. No. 448,040. CRAWFORD PRODUCE COMPANY, San Benito, Tex. Filed Oct. 23, 1941.

SPITFIRE

FOR FRESH VEGETABLES AND FRESH CITRUS FRUITS.

Claims use since Oct. 17, 1941.

Ser. No. 448,163. BERTHA HUTCHINGS PARKER, doing business as On-On-Or Food Co., Rochester, N. Y. Filed Oct. 27, 1941.

Triple Oh!

FOR BRAN MUFFIN MIX, CORN MUFFIN MIX.

Claims use since Oct. 10, 1941.

Ser. No. 448,198. J. P. MEYENBERG, JR., doing business as J. P. Meyenberg Jr. Sales Co., Salinas, Calif. Filed Oct. 28, 1941.

LULLABY

FOR CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, CANNED MILK, CANNED FRUITS, CANNED VEGETABLES AND PREPARED MILK BABY FOODS.

Claims use for fruit and vegetable juices since Oct. 17, 1941; and for canned milk, fruits, vegetables and prepared milk baby foods since Jan. 30, 1940.

Ser. No. 448,462. EDWARD SASSOON, doing business as Fidelity Trading Company, San Francisco, Calif. Filed Nov. 7, 1941.



The word "Mesjid" shown in English and oriental characters means a mosque or temple.

FOR PREPARED FOOD PRODUCTS—NAMELY, CANNED FISH.

Claims use since 1940.

Ser. No. 448,577. ORANGE BELT FRUIT DISTRIBUTORS, Pomona, Calif. Filed Nov. 12, 1941.

FIRST MATE

FOR FRESH CITRUS FRUIT.

Claims use since Feb. 3, 1940.

Ser. No. 448,622. RUNCIMAN & RUNCIMAN, Exeter, Calif. Filed Nov. 13, 1941.

BLUE FLASH

FOR FRESH GRAPES.

Claims use since Oct. 23, 1941.

Ser. No. 448,646. THE NATIONAL SUGAR REFINING COMPANY, New York, N. Y. Filed Nov. 14, 1941.

GRANS

The applicant is the owner of trade-mark registration No. 336,038, registered June 23, 1936.

FOR SUGAR.

Claims use since Feb. 17, 1936.

Ser. No. 448,746. WHITE'S INC., Richmond, Va. Filed Nov. 18, 1941.

YOUTH-RA-LAISE

FOR SALAD DRESSING.

Claims use since Sept. 2, 1941.

Ser. No. 448,767. SAN FERNANDO CITRUS ASSOCIATION, San Fernando, Calif. Filed Nov. 19, 1941.

Morning NEWS

FOR FRESH CITRUS FRUIT.

Claims use since Nov. 7, 1941.

CLASS 47

WINES

Ser. No. 445,131. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.

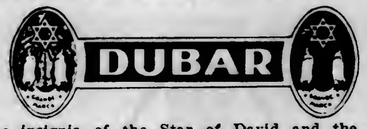


The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR WINES AND APERITIVE WINES.

Claims use since Aug. 1, 1936.

Ser. No. 445,134. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR WINES AND APERITIVE WINES.

Claims use since Jan. 22, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 445,128. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.

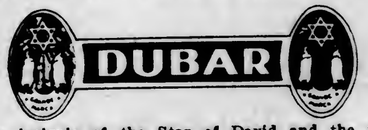


The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR BEERS, PORTERS AND ALES.

Claims use since July 15, 1915.

Ser. No. 445,135. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.

FOR BEERS, PORTERS AND ALES.

Claims use since Jan. 22, 1937.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 445,129. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



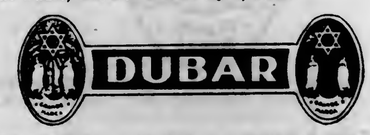
The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.
FOR WHISKIES, BRANDIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS AND LIQUEURS.
Claims use since July 15, 1915.

Ser. No. 445,132. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.
FOR WHISKIES, BRANDIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS, LIQUEURS, AND ALCOHOLIC BITTERS.
Claims use since Aug. 1, 1936.

Ser. No. 445,136. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil. Filed July 7, 1941.



The insignia of the Star of David and the words "Grande Marca" are disclaimed apart from the mark.
FOR WHISKIES, BRANDIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS, AND LIQUEURS.
Claims use since Jan. 22, 1937.

Ser. No. 446,315. DE LASALLE INSTITUTE, Napa, Calif. Filed Aug. 18, 1941.

The Christian Brothers

FOR BRANDY.
Claims use since Nov. 1, 1940.

Ser. No. 447,073. THE OLD COLONY COMPANY, Bridgeport, Conn. Filed Sept. 16, 1941.



The drawing is lined for gold and red. Applicant disclaims the representation of the label per se.
FOR BRANDY.
Claims use since May 16, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,666. SANCO MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 14, 1941.



The words "Sanitary Paper Toilet Seat Cover" and "Chicago, Ill." are disclaimed apart from the mark.
FOR PAPER ARTICLES—NAMELY, SANITARY TOILET SEAT COVERS AND DISPENSERS THEREFOR.
Claims use since Dec. 19, 1938.

Ser. No. 443,576. NU-STAY PROCESS CORP., New York, N. Y. Filed May 14, 1941.



FOR RUBBERIZED COTTON FABRIC IN THE PIECE WHICH MAY BE ATTACHED TO THE BACK OF FUR SKINS FOR THE PURPOSE OF REINFORCING OR STRENGTHENING SAID SKINS.
Claims use since May, 1939.

Ser. No. 445,051. FUTURE FARMERS OF AMERICA, INC., Richmond, Va., and Washington, D. C. Filed July 3, 1941. Under the act of Feb. 20, 1905, as amended June 10, 1938.



FOR PENNANTS, BANNERS, PLAQUES, EMBLEMS NOT OF PRECIOUS METAL, BUTTONS, FLAGS AND FLAG POLES, BADGES, PRIZE RIBBONS, WOODEN AND METAL SIGNS NOT INTENDED FOR MECHANICAL OR ELECTRICAL OPERATION, FELT TROPHIES, CUTS AND MATS OF EMBLEMS, ELECTROTYPES, LETTERS OTHER THAN PRINTED AND NOT MADE OF PRECIOUS METAL, METAL MARKERS, NEWSPAPER MATS, MINIATURE PLOWS, PROJECT MARKERS, AND SWEATER EMBLEMS.
Claims use since November, 1928.

Ser. No. 447,102. EVA GORDON, New York, N. Y. Filed Sept. 17, 1941.

Fluor-Glo

FOR ARTIFICIAL TREES, CHRISTMAS TREE DECORATIONS AND ORNAMENTS.
Claims use since July 24, 1941.

Ser. No. 447,990. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Oct. 22, 1941.

NoCo

FOR CONTAINER CLOSURES OF THE CROWN TYPE.
Claims use since July 21, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 13, 1942

392,709. PANCAKE FLOURS. MALT CORPORATION OF AMERICA, Buchanan, Mich.
Filed January 17, 1940. Serial No. 427,548. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,710. WASH CUBES, A WASHING AND CLEANING PREPARATION IN CUBE FORM, HAVING INCIDENTAL WATER SOFTENING PROPERTIES. NATIONAL CHEMICAL COMPANY, Detroit, Mich.
Filed February 5, 1940. Serial No. 428,248. PUBLISHED NOVEMBER 4, 1941. Class 4.

392,711. NECKTIES. SANTA FE HAND WOVEN FABRICS, INC., Santa Fe, N. Mex.
Filed March 12, 1940. Serial No. 429,505. PUBLISHED OCTOBER 7, 1941. Class 39.

392,712. JOINT SIGNATURE CARDS, SINGLE SIGNATURE CARDS, COMBINATION ACCOUNT STATEMENTS, DEPOSIT TICKETS, ETC. BANKERS DEVELOPMENT CORPORATION, New York, N. Y.
Filed March 26, 1940. Serial No. 429,967. PUBLISHED OCTOBER 7, 1941. Class 37.

392,713. STORAGE BATTERIES AND SPARK PLUGS. GLOBE-UNION INC., Milwaukee, Wis.
Filed April 5, 1940. Serial No. 430,395. PUBLISHED JUNE 25, 1940. Class 21.

392,714. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, HATS, OUTER SHIRTS, AND UNDERSHIRTS, UNDERWEAR, SOCKS, AND NECKTIES. THE HUB-HENRY C. LYTTON & SONS, Chicago, Ill.
Filed April 29, 1940. Serial No. 431,356. PUBLISHED OCTOBER 21, 1941. Class 39.

392,715. NON-FERROUS METALS. UNITED METALS REFINING COMPANY, Detroit, Mich.
Filed May 17, 1940. Serial No. 432,053. PUBLISHED APRIL 1, 1941. Class 14.

392,716. LENSES FOR SCIENTIFIC USE, PRISMS, REFLECTORS FOR SCIENTIFIC USE, MICROSCOPES, OPTICAL PROJECTING APPARATUS, ETC. CARL ZEISS, Jena, Germany.
Filed May 14, 1940. Serial No. 432,289. PUBLISHED NOVEMBER 4, 1941. Class 26.

392,717. PETROLEUM PRODUCTS—NAMELY, GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed May 24, 1940. Serial No. 432,320. PUBLISHED JANUARY 28, 1941. Class 15.

392,718. BAGS OF CELLULOSE FILM WHICH ARE SOLD IN TRADE EMPTY. ALLIED PAPER BAG CORPORATION, Baltimore, Md.
Filed June 8, 1940. Serial No. 432,808. PUBLISHED NOVEMBER 4, 1941. Class 2.

392,719. SHOULDER STRAPS. EDITH LANCES BRASSIERES, New York, N. Y.
Filed July 24, 1940. Serial No. 434,282. PUBLISHED NOVEMBER 4, 1941. Class 40.

392,720. BRASSIÈRES, BANDEAUS, CORSETS, GIRDLES, CORSELETS, BATHING SUITS, BLOUSES, DRESSES, ETC. MORRIS NEWMAN, New York, N. Y., assignor to Nuzan Brassiere Co. Inc., New York, N. Y., a corporation of New York.
Filed July 31, 1940. Serial No. 434,543. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,721. HAND-WOVEN NECKTIES. CHIEF WEAVERS, INC., Albuquerque, N. Mex.
Filed August 17, 1940. Serial No. 435,081. PUBLISHED OCTOBER 28, 1941. Class 39.

392,722. CERTAIN GUMS—NAMELY, GUMS COMPOSED OF ASPHALTIC AND SEMI-ASPHALTIC PYRO-BITUMENS, ASPHALTITES, MINERAL WAXES, SYNTHETIC INTREFIERS, REPOLYMERIZING CHEMICALS AND COLORS. WESTERN NON-METALLIC PRODUCTION CO., Midvale, Utah.
Filed August 19, 1940. Serial No. 435,152. PUBLISHED NOVEMBER 4, 1941. Class 1.

392,723. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK (SPARKLING WATER). SUNRISE SODA WATER WORKS CO., LTD., Honolulu, Territory of Hawaii.
Filed September 12, 1940. Serial No. 435,924. PUBLISHED NOVEMBER 5, 1940. Class 45.

392,724. FIELD SEED, GRAIN SEED, GRASS SEED, CLOVER SEED, ALFALFA SEED, VEGETABLE SEED, AND FLOWER SEED. NORTHWESTERN SEED GROWERS, INC., Moscow, Idaho.
Filed October 11, 1940. Serial No. 436,871. PUBLISHED APRIL 1, 1941. Class 1.

392,725. AUTOMATIC STORAGE GAS WATER HEATERS. ELGIN ROWLAND PARKER, doing business as Southern Water Heater Company, Compton, Calif.
Filed November 16, 1940. Serial No. 437,963. PUBLISHED NOVEMBER 4, 1941. Class 34.

392,726. CANNED PORK LOAF. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed December 23, 1940. Serial No. 439,116. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,727. FRESH CITRUS FRUITS. KROELLS BROS., LTD., Lindsay, Calif.
Filed January 18, 1941. Serial No. 439,778. PUBLISHED APRIL 8, 1941. Class 46.

392,728. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed January 27, 1941. Serial No. 439,992. PUBLISHED JULY 29, 1941. Class 39.

392,729. PANTIE GIRDLES, GIRDLES, CORSETS, AND FOUNDATION GARMENTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed January 28, 1941. Serial No. 440,047. PUBLISHED APRIL 8, 1941. Class 39.

392,730. ARTIFICIAL FLIES OR FISHING LURES. F. B. POTT, Missoula, Mont.
Filed February 6, 1941. Serial No. 440,380. PUBLISHED NOVEMBER 4, 1941. Class 22.

392,731. BOYS' BLOUSES AND SHIRTS. BERNSTEIN & SONS SHIRT CORPORATION, New York, N. Y.
Filed February 11, 1941. Serial No. 440,535. PUBLISHED MAY 6, 1941. Class 39.

392,732. BOYS' BLOUSES AND SHIRTS. BERNSTEIN and SONS SHIRT CORPORATION, Now York, N. Y.
Filed February 11, 1941. Serial No. 440,536. PUBLISHED MAY 6, 1941. Class 39.

392,733. SHOES, PARTICULARLY WOMEN'S SHOES MADE OF LEATHER, OR OF LEATHER AND FABRIC. JAMES A. FIKANY, Rochester, N. Y.
Filed February 12, 1941. Serial No. 440,585. PUBLISHED OCTOBER 14, 1941. Class 39.

392,734. SANITARY NAPKINS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 24, 1941. Serial No. 440,959. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,735. SANITARY NAPKINS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 24, 1941. Serial No. 440,960. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,736. FRESH SWEET CORN. VIRGINIA B. WHITESIDE, doing business as Whiteside Farms, Van Buren, Ark.
Filed March 5, 1941. Serial No. 441,270. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,737. GLASSWARE—NAMELY, FLOWER RECEPTACLES AND HOLDERS; DRESSER SETS; CANDY JARS AND CONFECTION JARS AND DISHES, ETC. IMPERIAL GLASS CORPORATION, Bellaire, Ohio.
Filed March 14, 1941. Serial No. 441,539. PUBLISHED NOVEMBER 4, 1941. Class 33.

392,738. SLIDE FASTENERS. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed March 17, 1941. Serial No. 441,654. PUBLISHED NOVEMBER 4, 1941. Class 13.

392,739. CHEWING GUM. L. BECKMAN & CO., Hollywood, Calif.
Filed March 24, 1941. Serial No. 441,851. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,740. CANNED CULTIVATED POWDERED MUSHROOMS WITH SALT AND USED TO SEASON FOODS. CULTURED MUSHROOM INDUSTRIES, INC., Seattle, Wash.
Filed March 24, 1941. Serial No. 441,860. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,741. CLEANER FOR SILVER AND THE LIKE. SNAP CHEMICAL COMPANY, Chicago, Ill.
Filed March 25, 1941. Serial No. 441,928. PUBLISHED NOVEMBER 4, 1941. Class 4.

392,742. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. PENN CRAFT HAT COMPANY, Philadelphia, Pa.
Filed March 28, 1941. Serial No. 442,049. PUBLISHED OCTOBER 21, 1941. Class 39.

392,743. SMOKED MEAT PRODUCTS IN PARTICULAR HAMS AND PORK SHOULDERS. COLONIAL PROVISION CO. INC., Boston, Mass.
Filed April 3, 1941. Serial No. 442,226. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,744. HOLDERS FOR GLASS COFFEE MAKERS. LUDWIG MFG. CO., INC., Racine, Wis.
Filed April 5, 1941. Serial No. 442,325. PUBLISHED JUNE 24, 1941. Class 13.

392,745. FEEDS FOR CATTLE, HOGS, SHEEP, HORSES, AND POULTRY. THE ROSEWOOD GRAIN COMPANY, Rosewood, Ohio.
Filed April 5, 1941. Serial No. 442,337. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,746. LENSES FOR SCIENTIFIC USE, PRISMS, REFLECTORS FOR SCIENTIFIC USE, MICROSCOPES, OPTICAL PROJECTING APPARATUS, ETC. CARL ZEISS, Jena, Germany.
Filed April 7, 1941. Serial No. 442,382; PUBLISHED NOVEMBER 4, 1941. Class 26.

392,747. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed April 12, 1941. Serial No. 442,519. PUBLISHED OCTOBER 7, 1941. Class 39.

392,748. SHOES MADE OF LEATHER AND/OR CLOTH. THE FLORSHEIM SHOE COMPANY, Chicago, Ill.
Filed April 17, 1941. Serial No. 442,656. PUBLISHED OCTOBER 7, 1941. Class 39.

392,749. MEN'S NECKTIES, MUFFLERS AND SCARFS. J. M. GREEN CO., INC., New York, N. Y.
Filed April 18, 1941. Serial No. 442,699. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,750. WINES. SALVATORE A. SALOMONE, doing business as Riverbank Wine Co., Brooklyn, N. Y.
Filed April 21, 1941. Serial No. 442,804. PUBLISHED SEPTEMBER 23, 1941. Class 47.

392,751. RUBBER GLOVES AND RUBBER APRONS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,833. PUBLISHED OCTOBER 14, 1941. Class 39.

392,752. CUTLERY OF BASE METAL—NAMELY, POCKET KNIVES, TABLE KNIVES, KITCHEN KNIVES, AND SCISSORS. GEORGE IBBERSON & CO., Sheffield, England.
Filed April 24, 1941. Serial No. 442,905. PUBLISHED NOVEMBER 4, 1941. Class 23.

392,753. DETERGENT AND CLEANING COMPOUND IN POWDER OR GRANULAR FORM FOR ALL PAINTED SURFACES, ETC. NATIONAL HOME PRODUCTS INC., New York, N. Y.
Filed April 26, 1941. Serial No. 443,012. PUBLISHED NOVEMBER 4, 1941. Class 4.

392,754. COVERINGS IN THE NATURE OF TREATED FABRICS ADAPTED TO BE SECURED ADHESIVELY TO WALLS. FREDERIC BLANK & CO., INC., New York, N. Y.
Filed May 3, 1941. Serial No. 443,218. PUBLISHED NOVEMBER 4, 1941. Class 50.

392,755. SHEETS, PILLOW CASES, BLANKETS MADE OF WOOL, COTTON, AND COMBINATIONS THEREOF, BLANKET COVERS, TOWELS AND WASH CLOTHS, AND MATTRESS COVERS. LAWRENCE CONVERTERS INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,419. PUBLISHED JUNE 24, 1941. Class 42.

392,756. DEVICE FOR LOCATING THE POSITION OF HEAVENLY BODIES, INCLUDING THE STARS AND CONSTELLATIONS. LABORATORY ASSOCIATES, East Orange, N. J., assignor to John A. Millar Laboratory Associates, Inc., Newark, N. J., a corporation of New Jersey.
Filed May 15, 1941. Serial No. 443,607. PUBLISHED NOVEMBER 4, 1941. Class 26.

392,757. CANNED OLIVES. CALIFORNIA OLIVE MARKETERS, INC., also doing business as Olive Growers of California, Los Angeles and Terra Bella, Calif.
Filed May 19, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 443,681. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,758. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF SAID MATERIALS. THE MODEL SHOE COMPANY, Cincinnati, Ohio.
Filed May 19, 1941. Serial No. 443,696. PUBLISHED OCTOBER 28, 1941. Class 39.

392,759. BEARINGS FOR MACHINERY, BALL BEARING RETAINERS, MACHINE CHUCK BLOCKS AND TEXTILE MACHINE SADDLES. CHRYSLER CORPORATION, Highland Park, Mich.
Filed May 26, 1941. Serial No. 443,916. PUBLISHED NOVEMBER 4, 1941. Class 23.

392,760. FABRIC AND LEATHER SHOES AND SLIPPERS. THE SHERMAN BROTHERS MFG. CO., South Norwalk, Conn.
Filed June 4, 1941. Serial No. 444,203. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,761. ELECTRIC SHORT-WAVE HIGH FREQUENCY APPARATUS USED IN THE TREATMENT OF HUMAN AND ANIMAL DISEASES, AND ELECTRIC DIATHERMY APPARATUS USED IN THE TREATMENT OF DISEASE. REX COLE, New York, N. Y.
Filed June 7, 1941. Serial No. 444,299. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,762. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, OUTER SHIRTS, NECKTIES, SPORT COATS, RAINCOATS, AND JACKETS. BROWNING KING & Co., OF NEW YORK, INC., New York, N. Y.
Filed June 11, 1941. Serial No. 444,395. PUBLISHED OCTOBER 28, 1941. Class 39.

392,763. SMOKING TOBACCO. CHARLES B. PERKINS Co., Boston, Mass.
Filed June 12, 1941. Serial No. 444,468. PUBLISHED NOVEMBER 4, 1941. Class 17.

392,764. WOMEN'S, MISSES', AND CHILDREN'S HATS, COATS, SUITS, DRESSES, SWEATERS, BLOUSES, OUTER SKIRTS, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, AND LEATHER AND FABRIC GLOVES. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed June 24, 1941. Serial No. 444,787. PUBLISHED OCTOBER 14, 1941. Class 39.

392,765. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS. JOYCE, INC., Pasadena, Calif.
Filed June 25, 1941. Serial No. 444,829. PUBLISHED OCTOBER 21, 1941. Class 39.

392,766. FABRIC GLOVES. ALEXANDER J. WEILL, doing business as Manle & Weill, New York, N. Y.
Filed June 26, 1941. Serial No. 444,885. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,767. MEN'S LEATHER SHOES. CONNOLLY SHOE Co., Stillwater, Minn.
Filed June 30, 1941. Serial No. 444,963. PUBLISHED OCTOBER 14, 1941. Class 39.

392,768. BOMB OR PROJECTILE. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind.
Filed July 7, 1941. Serial No. 445,162. PUBLISHED NOVEMBER 4, 1941. Class 9.

392,769. AIRCRAFT STRUCTURAL PARTS. AIRCRAFT INDUSTRIES CORPORATION, Tenafly, N. J.
Filed July 11, 1941. Serial No. 445,249. PUBLISHED NOVEMBER 4, 1941. Class 19.

392,770. ELECTROTHERAPEUTIC APPARATUS AND EQUIPMENT THEREFOR—NAMELY, ELECTRODES AND INSULATED ELECTRODES, CONSTITUTING PERMANENT LINE TERMINALS. TECA CORPORATION, New York, N. Y.
Filed July 12, 1941. Serial No. 445,308. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,771. AUTOMOTIVE SERVICE PRODUCTS—NAMELY, STEERING POST SHIFTING SILENCERS, WINDOW REGULATOR REPAIR PART KITS, ETC. CHAMP-ITEMS, INC., St. Louis, Mo.
Filed July 16, 1941. Serial No. 445,379. PUBLISHED NOVEMBER 4, 1941. Class 19.

392,772. HOUSE NUMBER SIGNS. PEERCO, INC., Park Ridge, Ill.
Filed July 21, 1941. Serial No. 445,528. PUBLISHED NOVEMBER 4, 1941. Class 50.

392,773. SHOES MADE FROM LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed July 21, 1941. Serial No. 445,534. PUBLISHED OCTOBER 21, 1941. Class 39.

392,774. SHOES MADE FROM LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed July 21, 1941. Serial No. 445,535. PUBLISHED OCTOBER 21, 1941. Class 39.

392,775. SUSPENDERS. A. STEIN & COMPANY, Chicago, Ill.
Filed July 21, 1941. Serial No. 445,537. PUBLISHED OCTOBER 7, 1941. Class 39.

392,776. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed July 21, 1941. Serial No. 445,540. PUBLISHED OCTOBER 21, 1941. Class 39.

392,777. KNITTED SWEATERS, HATS, AND TWIN SWEATER SETS AND SWEATERS WITH ATTACHED HOODS FOR MEN, WOMEN, AND CHILDREN. IMPORT STYLISTS, INC., New York, N. Y.
Filed July 23, 1941. Serial No. 445,579. PUBLISHED OCTOBER 21, 1941. Class 39.

392,778. HAIR WAVE NETS. BEN PICKARD, Chicago, Ill.
Filed July 25, 1941. Serial No. 445,639. PUBLISHED OCTOBER 14, 1941. Class 39.

392,779. WATCH CASES, WATCH DIALS, AND MOVEMENTS THEREOF, AND CLOCKS. THE SWISS RADIUM & DIAL PAINTING CO. INC., New York, N. Y.
Filed July 25, 1941. Serial No. 445,644. PUBLISHED NOVEMBER 4, 1941. Class 27.

392,780. SHOES MADE OF LEATHER OR FABRIC, OR COMBINATIONS OF BOTH THESE MATERIALS. BRAUER BROS. SHOE CO., St. Louis, Mo.
Filed July 28, 1941. Serial No. 445,682. PUBLISHED OCTOBER 7, 1941. Class 39.

392,781. SHOES MADE OF LEATHER, FABRIC, OR RUBBER AND/OR COMBINATIONS OF SUCH MATERIALS. J. J. GROVER SHOE COMPANY, Boston, Mass.
Filed July 29, 1941. Serial No. 445,723. PUBLISHED OCTOBER 21, 1941. Class 39.

392,782. NON-ELECTRICAL HAIR CURLERS. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y.
Filed July 29, 1941. Serial No. 445,733. PUBLISHED OCTOBER 14, 1941. Class 40.

392,783. BOTTLED CHERRIES AND CHERRIES IN BULK PACKED IN SYRUP. THE C. M. PITT & SONS Co., Baltimore, Md.
Filed July 29, 1941. Serial No. 445,749. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,784. FINISH IN THE NATURE OF A VARNISH FOR GYMNASIUM FLOORS. THE SELIG COMPANY, INC., Atlanta, Ga.
Filed July 29, 1941. Serial No. 445,752. PUBLISHED NOVEMBER 4, 1941. Class 16.

392,785. REFRIGERATORS. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed July 29, 1941. Serial No. 445,757. PUBLISHED NOVEMBER 4, 1941. Class 31.

392,786. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; AND HOUSE COATS, BATH ROBES, NEGLIGEES, AND HOSIERY. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 29, 1941. Serial No. 445,762. PUBLISHED OCTOBER 21, 1941. Class 39.

392,787. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR; MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHT CAPS; AND HOUSE COATS, BATH ROBES, NEGLIGEES, AND HOSIERY. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 29, 1941. Serial No. 445,763. PUBLISHED OCTOBER 14, 1941. Class 39.

392,788. MEN'S, WOMEN'S AND CHILDREN'S NIGHTGOWNS, PAJAMAS, BED JACKETS AND DRESSING GOWNS. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 29, 1941. Serial No. 445,764. PUBLISHED OCTOBER 21, 1941. Class 39.

392,789. WOMEN'S FOUNDATION GARMENTS. JACK APPLEBAUM, Newark, N. J.
Filed July 30, 1941. Serial No. 445,767. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,790. CANDY. NORRIS INCORPORATED, Atlanta, Ga.
Filed July 30, 1941. Serial No. 445,777. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,791. KNITTING NEEDLES FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed July 31, 1941. Serial No. 445,793. PUBLISHED OCTOBER 14, 1941. Class 40.

392,792. KNITTING NEEDLES FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed July 31, 1941. Serial No. 445,794. PUBLISHED OCTOBER 14, 1941. Class 40.

392,793. KNITTING NEEDLES FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed July 31, 1941. Serial No. 445,795. PUBLISHED OCTOBER 14, 1941. Class 40.

392,794. KNITTING NEEDLES FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed July 31, 1941. Serial No. 445,796. PUBLISHED OCTOBER 14, 1941. Class 40.

392,795. KNITTING NEEDLES FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed July 31, 1941. Serial No. 445,797. PUBLISHED OCTOBER 14, 1941. Class 40.

392,796. NARROW ELASTIC FABRICS. THE CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass.
Filed July 31, 1941. Serial No. 445,805. PUBLISHED OCTOBER 21, 1941. Class 40.

392,797. LADIES' AND MISSES' SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. MAX LAUER, New York, N. Y.
Filed July 31, 1941. Serial No. 445,814. PUBLISHED OCTOBER 7, 1941. Class 39.

392,798. WRIST WATCH STRAPS MADE OF LEATHER OR FABRIC. COWEN BROS., New York, N. Y.
Filed August 1, 1941. Serial No. 445,841. PUBLISHED OCTOBER 7, 1941. Class 40.

392,799. WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. RASMUSSEN SHOE COMPANY, Westboro, Mass.
Filed August 1, 1941. Serial No. 445,860. PUBLISHED OCTOBER 21, 1941. Class 39.

392,800. CONTACTS FOR ELECTRICAL SWITCHES. BULLDOG ELECTRIC PRODUCTS Co., Detroit, Mich.
Filed August 2, 1941. Serial No. 445,877. PUBLISHED NOVEMBER 4, 1941. Class 21.

392,801. KNITTED AND WOVEN WOOLEN AND WORSTED CLOTHS, JERSEY CLOTHS, EIDERDOWNS, CHINCHILLAS, AND SPECIAL KNITTED FABRICS HAVING A FLEECY PILE OR SURFACE, IN THE PIECE. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed August 2, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 445,887. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,802. INGREDIENT FOR USE IN MAKING BREAD CONSISTING OF A COMPOUND OF CORN STARCH, AMMONIUM CHLORIDE, CALCIUM SULPHATE, AND POTASSIUM BROMATE. NORTHWESTERN YEAST COMPANY, Chicago, Ill.
Filed August 4, 1941. Serial No. 445,955. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,803. PIECE GOODS OF ALPACA, KID MOHAIR, AND FINE WOOL. S. STROOCK & Co., INC., New York, N. Y.
Filed August 4, 1941. Serial No. 445,966. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,804. PANTIES, GIRDLES, CORSETS, CORSELETS, AND FOUNDATIONS. AMASIA IMPORTING CORPORATION, New York, N. Y.
Filed August 2, 1941. Serial No. 445,972. PUBLISHED OCTOBER 28, 1941. Class 39.

392,805. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER AND FABRICS. JOE DACY, Austin, Tex.
Filed August 5, 1941. Serial No. 445,977. PUBLISHED OCTOBER 28, 1941. Class 39.

392,806. PORTABLE INDUSTRIAL CRANES. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill.
Filed August 5, 1941. Serial No. 445,990. PUBLISHED NOVEMBER 4, 1941. Class 23.

392,807. LADIES' HATS. BROWN BROS., New York, N. Y.
Filed August 6, 1941. Serial No. 446,017. PUBLISHED OCTOBER 21, 1941. Class 39.

392,808. NECKTIES, SCARFS, BATHROBES, AND DRESSING GOWNS, DRESS AND NEGLIGEE SHIRTS, UNDERWEAR, HANDKERCHIEFS, HATS, SUITS, COATS, PANTS, VESTS, AND HOSIERY, ALL FOR MEN AND BOYS. SUZANNE TARDY, doing business as French Art Silk Creations Co., New York, N. Y.
Filed August 6, 1941. Serial No. 446,033. PUBLISHED OCTOBER 21, 1941. Class 39.

392,809. BABIES' DIAPERS CONSISTING OF A WATERPROOFED TEXTILE HOLDER AND DISPOSABLE DIAPER PADS; AND ALSO FOR DIAPER PADS. CHICOPEE SALES CORPORATION, New York, N. Y.
Filed August 7, 1941. Serial No. 446,044. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,810. EGGS. GEO. EHLENBERGER & Co., INC., New York, N. Y., and Miami, Fla.
Filed August 9, 1941. Serial No. 446,103. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,811. FRESH VEGETABLES AND MELONS. SOUTHWEST BERRY EXCHANGE, INC., Los Angeles, Calif.
Filed August 9, 1941. Serial No. 446,118. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,812. DENTAL FLOSS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed August 9, 1941. Serial No. 446,121. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,813. FRESH DECIDUOUS FRUITS. SEBASTOPOL FRUIT GROWERS ASSOCIATION, Sebastopol, Calif.
Filed August 11, 1941. Serial No. 446,147. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,814. LADIES', MISSES', AND GIRLS' DRESSES, OUTER-SKIRTS, BLOUSES, SUITS, COATS, CAPES, APRONS, CULOTTES, ETC. STANDARD GARMENT CO. INC., New York, N. Y.
Filed August 11, 1941. Serial No. 446,149. PUBLISHED OCTOBER 28, 1941. Class 39.

392,815. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. ACCESSOCRAFT PRODUCTS CO., New York, N. Y.
Filed August 12, 1941. Serial No. 446,153. PUBLISHED NOVEMBER 4, 1941. Class 28.

392,816. LOCK NUTS. THE NATIONAL SCREW & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 12, 1941. Serial No. 446,173. PUBLISHED NOVEMBER 4, 1941. Class 13.

392,817. MEN'S, LADIES', MISSES', AND CHILDREN'S GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF. WILLIAM E. QUIRIN, New York, N. Y.
Filed August 12, 1941. Serial No. 446,177. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,818. LAWN RAKES. DURO METAL PRODUCTS, INC., Providence, R. I.
Filed August 13, 1941. Serial No. 446,195. PUBLISHED NOVEMBER 4, 1941. Class 23.

392,819. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed August 13, 1941. Serial No. 446,199. PUBLISHED OCTOBER 28, 1941. Class 39.

392,820. DIARIES, APPOINTMENT BOOKS, CALENDAR BOOKS, TELEPHONE AND ADDRESS BOOKS, MEMORANDUM BOOKS, ETC. NASCON SERVICE, INC., New York, N. Y.
Filed August 13, 1941. Serial No. 446,213. PUBLISHED NOVEMBER 4, 1941. Class 37.

392,821. LAWN RAKES. DURO METAL PRODUCTS, INC., Providence, R. I.
Filed August 14, 1941. Serial No. 446,229. PUBLISHED NOVEMBER 4, 1941. Class 23.

392,822. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed August 14, 1941. Serial No. 446,233. PUBLISHED OCTOBER 14, 1941. Class 39.

392,823. PHOTOGRAPHIC PRINT ROLLERS, SWIVEL TOPS FOR APPLICATION TO CAMERA TRIPODS, AND DARKROOM APRONS. RAYGRAM CORPORATION, New York, N. Y.
Filed August 14, 1941. Serial No. 446,242. PUBLISHED NOVEMBER 4, 1941. Class 26.

392,824. EXTENSIONS FOR LOW SHOE UPPERS TO PREVENT HEEL SLIPPING. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed August 15, 1941. Serial No. 446,280. PUBLISHED OCTOBER 14, 1941. Class 39.

392,825. WOOL AND RAYON, GABARDINE, WHIPCORD, AND CAVALRY TWILL. J. P. STEVENS & COMPANY, INCORPORATED, New York, N. Y.
Filed August 15, 1941. Serial No. 446,281. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,826. GLASS BOTTLES AND JARS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed August 16, 1941. Serial No. 446,302. PUBLISHED NOVEMBER 4, 1941. Class 33.

392,827. REFRIGERATED LOCKER UNITS. WILLIAM MCKINLEY BAIRD, Chicago, Ill.
Filed August 18, 1941. Serial No. 446,310. PUBLISHED NOVEMBER 4, 1941. Class 31.

392,828. RUBBERIZED FABRICS. HAARTZ-MASON-GROWER COMPANY, Watertown, Mass.
Filed August 19, 1941. Serial No. 446,357. PUBLISHED NOVEMBER 4, 1941. Class 50.

392,829. WATCH OIL. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill.
Filed August 20, 1941. Serial No. 446,386. PUBLISHED NOVEMBER 4, 1941. Class 15.

392,830. AIR-MAIL PAPER, AIR-MAIL ENVELOPES, PRINTING PAPER, MAILING ENVELOPES, AND WRITING PAPER. AGENCY PAPER COMPANY, New York, N. Y.
Filed August 21, 1941. Serial No. 446,407. PUBLISHED NOVEMBER 4, 1941. Class 37.

392,831. OIL STOVES AND RANGES AND PARTS THEREOF. NATIONAL ENAMELING & STAMPING COMPANY, Milwaukee, Wis.
Filed August 21, 1941. Serial No. 446,435. PUBLISHED NOVEMBER 4, 1941. Class 34.

392,832. CELLULOSE SAUSAGE CASINGS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed August 22, 1941. Serial No. 446,470. PUBLISHED NOVEMBER 4, 1941. Class 2.

392,833. MEN'S FELT HATS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed August 25, 1941. Serial No. 446,536. PUBLISHED NOVEMBER 4, 1941. Class 39.

392,834. CIGARETTES. JOHN MIDDLETON INC., Philadelphia, Pa.
Filed August 26, 1941. Serial No. 446,549. PUBLISHED NOVEMBER 4, 1941. Class 17.

392,835. WATER REPELLENT FABRICS INCLUDING FABRICS HAVING A COATING OF PYROXYLIN. SEA ISLAND MILLS, INC., New York, N. Y.
Filed August 26, 1941. Serial No. 446,553. PUBLISHED NOVEMBER 4, 1941. Class 50.

392,836. WATCHES, CLOCKS, AND PARTS THEREOF. LORNA WATCH CORP., New York, N. Y.
Filed August 27, 1941. Serial No. 446,579. PUBLISHED NOVEMBER 4, 1941. Class 27.

392,837. TRANSLUCENT PLASTIC SHEETS AND PLATES. THE DOANE PRODUCTS CORPORATION, Meriden, Conn.
Filed August 28, 1941. Serial No. 446,619. PUBLISHED NOVEMBER 4, 1941. Class 50.

392,838. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, ETC. SILSON INC., New York, N. Y.
Filed August 29, 1941. Serial No. 446,669. PUBLISHED NOVEMBER 4, 1941. Class 28.

392,839. RADIANT GAS HEATERS. PEERLESS MANUFACTURING CORP. INCORPORATED, Louisville, Ky.
Filed September 2, 1941. Serial No. 446,744. PUBLISHED NOVEMBER 4, 1941. Class 34.

392,840. MUSLIN SHEETS AND PILLOW CASES, COTTON TERRY TOWELS AND WASH CLOTHS; COTTON, WOOL, AND PART WOOL BLANKETS, ETC. GIMBEL BROTHERS, INC., New York, N. Y.
Filed September 3, 1941. Serial No. 446,754. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,841. PIECE GOODS MADE FROM THE FOLLOWING MATERIALS AND/OR COMBINATIONS THEREOF: ANIMAL FIBERS, SUCH AS MOHAIR, WOOL AND SILK; VEGETABLE FIBERS, SUCH AS COTTON AND LINENS; ALSO SYNTHETICS. GOODALL WORSTED COMPANY, Sanford, Maine.
Filed September 5, 1941. Serial No. 446,830. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,842. GASOLINE AND OTHER PETROLEUM PRODUCTS. THE KANOTEX REFINING COMPANY, Arkansas City, Kans.
Filed September 6, 1941. Serial No. 446,841. PUBLISHED NOVEMBER 4, 1941. Class 15.

392,843. LACE CURTAINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed September 8, 1941. Serial No. 446,867. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,844. LACE CURTAINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed September 8, 1941. Serial No. 446,869. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,845. ELECTRIC MASSAGE MACHINES. CHARLES W. KENT, doing business as Electreat Manufacturing Company, Peoria, Ill.
Filed September 9, 1941. Serial No. 446,919. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,846. DOOR TRIM AND WINDOW TRIM IN KNOCKED-DOWN CONDITION. ROACH & MUSSER COMPANY, Muscatine, Iowa.
Filed September 9, 1941. Serial No. 446,926. PUBLISHED NOVEMBER 4, 1941. Class 12.

392,847. JUTE PACKING. CALIFORNIA CORDAGE COMPANY, Stanton, Calif.
Filed September 11, 1941. Serial No. 446,962. PUBLISHED NOVEMBER 4, 1941. Class 35.

392,848. COTTON, RAYON, ACETATE AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed September 11, 1941. Serial No. 446,963. PUBLISHED NOVEMBER 4, 1941. Class 42.

392,849. HERNIA PREVENTING BELTS. JOSEPH CIARLELLI, Waterbury, Conn.
Filed September 12, 1941. Serial No. 446,990. PUBLISHED NOVEMBER 4, 1941. Class 44.

392,850. CANNED MEAT PRODUCT CONSISTING OF GROUND CHICKEN MEAT AND BARBECUE SAUCE. NELSON HITCHCOCK, doing business as The Bar-Be-Chick Co., Donelson, Tenn.
Filed September 13, 1941. Serial No. 447,020. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,851. CHOCOLATES. MILLER & HOLLIS, INC., Boston, Mass.
Filed September 16, 1941. Serial No. 447,071. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,852. CANNED VEGETABLES AND CANNED HOT SAUCE MADE FROM TOMATOES, SALT, AND SPICES. NATIONAL PACKING COMPANY, Isleton, Calif.
Filed September 17, 1941. Serial No. 447,105. PUBLISHED NOVEMBER 4, 1941. Class 46.

392,853. BELTS MADE OF RUBBER REINFORCED WITH FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 23, 1941. Serial No. 447,267. PUBLISHED NOVEMBER 4, 1941. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

392,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM DAVIES CO., INC., Chicago, Ill.
Filed Nov. 6, 1939. Serial No. 425,276.

DAVIES TENDERSWEET

FOR HAMS.
Claims use since Mar. 16, 1937.

392,855. (CLASS 31. FILTERS AND REFRIGERATORS.) GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed July 18, 1940. Serial No. 434,109.

Flip Out

FOR REMOVABLE ICE TRAYS.
Claims use since Mar. 16, 1940.

392,856. (CLASS 31. FILTERS AND REFRIGERATORS.) GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed July 18, 1940. Serial No. 434,110.

Snap Out

FOR REMOVABLE ICE TRAYS.
Claims use since May 7, 1940.

392,857. (CLASS 31. FILTERS AND REFRIGERATORS.) GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed July 18, 1940. Serial No. 434,111.

Tilt Out

FOR REMOVABLE ICE TRAYS.
Claims use since May 1, 1940.

392,858. (CLASS 39. CLOTHING.) BEST & CO. INC., New York, N. Y. Filed Aug. 16, 1940. Serial No. 435,044.

YOUTH IS OUR SPECIALTY

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, AND HATS; GLOVES MADE OF LEATHER AND TEXTILE FABRICS; NEGLIGEES, PAJAMAS, NIGHTGOWNS, SWEATERS, OUTERSKIRTS, UNDERSKIRTS, BLOUSES, WAISTS, SOCKS, STOCKINGS, SCARFS; NECKWEAR SUCH AS COLLARS, DICKIES, GILETS, GUIMPS, AND TIES; HANDKERCHIEFS, BATHING SUITS, PLAY SUITS, OUTERSHORTS, UNDERSHORTS, SNOW SUITS, AND SKI CLOTHES SUCH AS SUITS, HOODS, PARKAS, HATS, CAPS, BONNETS, MITTENS MADE OF WOOL, GLOVES MADE OF WOOL, SOCKS MADE OF WOOL, SCARFS MADE OF WOOL, JACKETS MADE OF WOOL OR LEATHER OR TEXTILE FABRICS OR COMBINATIONS THEREOF; LADIES' PANTS MADE OF WOOL OR OTHER TEXTILE FABRICS; SWEATERS, VESTS, UNDERPANTS, UNDERVESTS, UNION SUITS, BRASSIÈRES, GIRDLES, CORSETS, RIDING HABITS, BREECHES, SPORT COATS, AND SHOES, SLIPPERS, HOUSE SLIPPERS, RIDING BOOTS, JODHPURS, SKI BOOTS, GOLF SHOES, BEACH SHOES, AND OVERSHOES MADE OF LEATHER AND TEXTILE FABRICS; AND MEN'S AND BOYS' COATS, OVERCOATS, VESTS, TROUSERS, KNICKERS, HATS, CAPS; GLOVES MADE OF LEATHER AND TEXTILE FABRICS; BATHROBES, PAJAMAS, SWEATERS, OUTER SHIRTS, SOCKS, STOCKINGS, SCARFS; NECKWEAR SUCH AS TIES AND CRAVATS; HANDKERCHIEFS, BATHING SUITS, OUTERSUITS, UNDERSHIRTS; SNOW SUITS AND SKI CLOTHES SUCH AS SUITS, HOODS, PARKAS, HATS, CAPS; MITTENS MADE OF WOOL, GLOVES MADE OF WOOL, SOCKS MADE OF WOOL, SCARFS MADE OF WOOL; JACKETS MADE OF WOOL OR LEATHER OR TEXTILE FABRICS OR COMBINATIONS THEREOF; PANTS MADE OF WOOL OR OTHER TEXTILE FABRICS; SWEATERS, VESTS, UNDERPANTS AND UNION SUITS, RIDING HABITS, BREECHES, SPORT COATS, AND SHOES, SLIPPERS, HOUSE SLIPPERS, RIDING BOOTS, JODHPURS, SKI BOOTS, GOLF SHOES, BEACH SHOES, AND OVERSHOES MADE OF LEATHER AND TEXTILE FABRICS.
Claims use since Sept. 2, 1932.

392,859. (CLASS 39. CLOTHING.) THE HAGERSTOWN RUBBER COMPANY, Hagerstown, Md. Filed Aug. 17, 1940. Serial No. 435,085.

SUPER-WEAR

FOR RUBBER HEELS AND SOLES.
Claims use since Aug. 7, 1940.

392,860. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) NATIONAL SILVER COMPANY, New York, N. Y. Filed Aug. 19, 1940. Serial No. 435,138.

BERKSHIRE

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOWWARE, AND TABLEWARE.
Claims use since June 27, 1940.

392,861. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Sept. 5, 1940. Serial No. 435,682.

ALL AMERICAN

FOR DRESS SHIELDS.
Claims use since Aug. 26, 1940.

392,862. (CLASS 39. CLOTHING.) BEST & CO., INC., New York, N. Y. Filed Oct. 11, 1940. Serial No. 436,832.

BEST'S ROLLER

FOR LADIES', WOMEN'S, AND MISSES' HATS.
Claims use since Oct. 9, 1940.

392,863. (CLASS 39. CLOTHING.) JOYCE, INC., Pasadena, Calif. Filed Oct. 17, 1940. Serial No. 437,037.

joyce

FOR FOOTWEAR—NAMELY, SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, FABRIC, RUBBER, OR CORK, AND/OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since July 6, 1938.

392,864. (CLASS 39. CLOTHING.) CHARLES KARTIGANER, doing business as Kartiganer & Co., New York, N. Y. Filed Oct. 17, 1940. Serial No. 437,038.

"Plushie"

FOR WOMEN'S HATS.
Claims use since Sept. 19, 1940.

392,865. (CLASS 39. CLOTHING.) LEWIS MESSINGER, New York, N. Y. Filed Oct. 29, 1940. Serial No. 437,390.

HONEY

FOR HAIR NETS.
Claims use since Sept. 16, 1940.

392,866. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE HORTON MANUFACTURING COMPANY, Bristol, Conn. Filed Nov. 15, 1940. Serial No. 437,897.

Paddle Grip

FOR GOLF CLUBS.
Claims use since Sept. 18, 1940.

392,867. (CLASS 42, KNITTED, NETTED, AND TEXTILE FABRICS.) DOUGHERTY & CO., INC., New York, N. Y., assignor to L. J. Dougherty, New York, N. Y. Filed Nov. 22, 1940. Serial No. 438,123.

Forestdale FABRICS

FOR WOOLEN PIECE GOODS.
Claims use since Nov. 8, 1940.

392,868. (CLASS 39. CLOTHING.) FITWELL HOSIERY, INC., Milwaukee, Wis. Filed Nov. 22, 1940. Serial No. 438,127.



FOR LADIES' HOSIERY.
Claims use since Oct. 15, 1940.

392,869. (CLASS 39. CLOTHING.) RAYMOND BREWER, doing business as Better Products Company, Marion, Ind. Filed Dec. 24, 1940. Serial No. 439,152.

BETTER-BRAND

FOR MEN'S AND LADIES' HANDKERCHIEFS.
Claims use since July 1, 1936.

392,870. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE PEP BOYS—MANNY, MOE & JACK, doing business as The Cornell Tire & Rubber Co., Philadelphia, Pa. Filed Jan. 25, 1941. Serial No. 439,974.

CORNELL

FOR TIRE VALVE CAPS AND TIRE VALVE CORES.
Claims use since Nov. 1, 1940.

392,871. (CLASS 39. CLOTHING.) BONZETTE FOUNDATIONS INC., New York, N. Y. Filed Feb. 15, 1941. Serial No. 440,672.

Adorable BRASSIERE

FOR BRASSIÈRES.
Claims use since September, 1940.

392,872. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Feb. 21, 1941. Serial No. 440,862.

Met-L-GLAS

FOR PLASTIC COVERED CHAINS—NAMELY, KEY CHAINS, NECKTIE CLIP CHAINS, CUFF LINKS, AND MORE SPECIFICALLY ORNAMENTAL CHAINS FOR PERSONAL WEAR COMPOSED OF METAL CHAINS COVERED WITH PLASTIC MATERIAL.
Claims use since Nov. 18, 1940.

392,873. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SCHERL & ROTH, INC., Cleveland, Ohio. Filed Feb. 24, 1941. Serial No. 440,956.

ROTH
BAND INSTRUMENTS

FOR CORNETS, TRUMPETS, TROMBONES, ALTOS, BARITONES, BASSES, SOUSAPHONES, FRENCH HORNS, CLARINETS, SAXOPHONES, OBOES, FLUTES, PICCOLOS, BASSOONS.
Claims use since Sept. 20, 1940.

392,874. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed May 8, 1941. Serial No. 443,356.

DACCA

FOR PAPER BOARD CARTONS, INCLUDING CARTONS COATED WHOLLY OR IN PART WITH A THERMOPLASTIC COMPOSITION SOLD IN TRADE EMPTY.
Claims use since Dec. 2, 1940.

392,875. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed May 8, 1941. Serial No. 443,358.

DACCA-PAK

FOR PAPER BOARD CARTONS, INCLUDING CARTONS COATED WHOLLY OR IN PART WITH A THERMOPLASTIC COMPOSITION SOLD IN TRADE EMPTY.
Claims use since June 19, 1940.

392,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHIL MALAT COMPANY, INC., Minneapolis, Minn. Filed May 20, 1941. Serial No. 443,724.



FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since May 15, 1940.

392,877. (CLASS 5. ADHESIVES.) FIX-ALL PRODUCTS, INC., New York, N. Y. Filed June 18, 1941. Serial No. 444,642.



FOR LIQUID GLUE, LIQUID ADHESIVE CEMENT, ADHESIVE PASTE, AND MUCILAGE.
Claims use since May 1, 1914.

392,878. (CLASS 39. CLOTHING.) DAVID KOHN, Albany, N. Y. Filed June 30, 1941. Serial No. 444,968.

CRADLES
A MATTRESS FOR YOUR FEET

FOR CUSHION INSOLES AND CUSHION HEEL-PADS.
Claims use since Apr. 1, 1926.

392,879. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANK M. SAYFORD CO., INC., Brooklyn, N. Y. Filed Sept. 6, 1941. Serial No. 446,845.

BOUTERWARE

FOR ORNAMENTAL WALL PLAQUES.
Claims use since Sept. 1, 1939.

392,880. (CLASS 39. CLOTHING.) AMELIA AMES INC., New York, N. Y. Filed Sept. 8, 1941. Serial No. 446,853.

An Amelia Ames FASHION

FOR LADIES', MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, FUR COATS, FUR SCARFS, BATHING SUITS, BLOUSES, SLACKS, PAJAMAS, NIGHTGOWNS, SPORT SHIRTS, OUTER SKIRTS, JERKINS, PLAY SUITS, BRASSIÈRES, CORSETS, SLIPS, PANTIES, HATS, SWEATERS, GLOVES MADE OF RUBBER, LEATHER, FABRIC OR ANY COMBINATION THEREOF, SHOES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATIONS THEREOF, AND MEN'S AND BOYS' SUITS, COATS, NECKTIES, SLACKS, SWEATERS, SHOES MADE OF LEATHER, GLOVES OF RUBBER, LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS, HATS, SPORT SHIRTS, DRESS SHIRTS, HOSIERY, AND UNDERWEAR.
Claims use since January, 1936.

392,881. (CLASS 32. FURNITURE AND UPHOLSTERY.) HAMPTON FURNITURE SHOPS, INC., New York, N. Y. Filed Sept. 8, 1941. Serial No. 446,873.

Hampton FURNITURE Shops

FOR TABLES, CHAIRS, BEDS, DRESSERS, DAVENPORTS, SETTEES, DESKS, BOOKCASES, CHESTS, END TABLES AND FOOT STOOLS.
Claims use since Mar. 22, 1912.

392,882. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) J. SWEDLIN, INC., New York, N. Y. Filed Sept. 17, 1941. Serial No. 447,110.

Lund

FOR STUFFED TOYS—NAMELY, STUFFED DOLLS AND ANIMAL FIGURES.
Claims use since 1900.

392,883. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. C. CHAMPION, doing business as Champion Seed Co., El Monte, Calif. Filed Sept. 19, 1941. Serial No. 447,180.

NEW YORKER

FOR FRESH MELONS.
Claims use since January, 1940.

392,884. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Oct. 1, 1941. Serial No. 447,452.

EDGELESS

FOR LEAD PENCILS.
Claims use since Sept. 8, 1931.

392,885. (CLASS 39. CLOTHING.) STERN, MERRITT Co. INC., New York, N. Y. Filed Oct. 9, 1941. Serial No. 447,646.

TRAFALGAR SQUARES

FOR NECKTIES.
Claims use since September, 1931.

392,886. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 13, 1941. Serial No. 447,729.

The Fairfield

FOR MATTRESSES.
Claims use since February, 1937.

392,887. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 13, 1941. Serial No. 447,731.

The Fieldale

FOR MATTRESSES.
Claims use since February, 1937.

392,888. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ILLE ELECTRIC CORPORATION, New York, N. Y. Filed Oct. 16, 1941. Serial No. 447,844.

HYDROMASSAGE

FOR THERAPY TANKS.
Claims use since Aug. 10, 1935.

392,889. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BENEKE CORPORATION, Columbus, Miss. Filed Oct. 17, 1941. Serial No. 447,862.

Rockwell

FOR TOILET SEATS.
Claims use since September, 1900.

392,890. (CLASS 39. CLOTHING.) MAX SOLASH, Linden, N. J. Filed Oct. 27, 1941. Serial No. 448,174.

"TWIN-BUCKLES"

FOR WOMEN'S AND GIRLS' HATS.
Claims use since Oct. 1, 1940.

392,891. (CLASS 39. CLOTHING.) FRANKLIN SIMON & Co., INC., New York, N. Y. Filed Oct. 30, 1941. Serial No. 448,266.

Perfect Dress
Franklin Simon

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Dec. 15, 1937.

TRADE-MARK REGISTRATIONS RENEWED

19,422. **REPRESENTATION OF A DEER ON A HIGH ROCK.** EFFERVESCENT CARLSBAD POWDERS. Registered May 5, 1891. S. KUTNOW & Co., London, England. Re-renewed May 5, 1941, to S. Kutnow & Co. Limited, Leeds, England, a corporation of Great Britain, assignee.

146,174. **BS.** CERTAIN NAMED INSTRUMENTS OF PRECISION. Registered September 6, 1921. BARR AND STROUD LIMITED, Anniesland, Glasgow, Scotland, a British company. Renewed September 6, 1941.

148,377. **ZEPHYR.** TOILET PREPARATIONS—NAMELY, TOILET CREAM, VANISHING CREAM, CLEANSING-CREAM, AND SHAMPOO. Registered November 15, 1921. SIMMONS L. CHEEK, Birmingham, Ala. Renewed November 15, 1941, to Cameo Corporation, Chicago, Ill., a corporation of Minnesota, assignee.

148,820. **CHIEF.** LEAD-PENCILS. Registered November 29, 1921. EAGLE PENCIL COMPANY. Renewed November 29, 1941, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware, assignee.

148,851. **L. C. T.** FERROUS-ALLOY STEELS. Registered November 29, 1921. HALCOMB STEEL COMPANY, Syracuse, N. Y. Renewed November 29, 1941, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey, assignee.

148,852. **SUPER-DREADNOUGHT.** FERROUS-ALLOY STEELS. Registered November 29, 1921. HALCOMB STEEL COMPANY, Syracuse, N. Y. Renewed November 29, 1941, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey, assignee.

148,853. **PYRO.** FERROUS-ALLOY STEELS. Registered November 29, 1921. HALCOMB STEEL COMPANY, Syracuse, N. Y. Renewed November 29, 1941, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey, assignee.

149,045. **ROUND OAK.** HOT-AIR AND COMBINED HOT-AIR AND HOT-WATER HEATERS AND FURNACES. Registered December 6, 1921. ESTATE OF P. D. BECKWITH, INC. Renewed December 6, 1941, to Round Oak Company, Dowagiac, Mich., a corporation of Michigan, assignee.

149,129. **KAHN.** MEN'S CLOTHES COMPRISING COATS, VESTS, AND TROUSERS. Registered December 6, 1921. KAHN TAILORING COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed December 6, 1941.

149,543. **WESTERN.** TARGETS AND TRAPS. Registered December 13, 1921. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill. Renewed December 13, 1941, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

149,544. **WHITE FLYER.** TARGETS AND TRAPS. Registered December 13, 1921. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill. Renewed December 13, 1941, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

150,064. **MERCURY CHROME.** LEATHER PACKINGS. Registered December 27, 1921. HORACE G. PRESTON Co., Detroit, Mich., a corporation of Michigan. Renewed December 27, 1941.

150,469. **CLOVERFIELD.** BUTTER, LARD, AND SAUSAGE. Registered January 3, 1922. H. PAUL MATTHEWS, Baltimore, Md., Renewed January 3, 1942.

150,490. **NATIONAL A AN A.** PREPARED ROOFING. Registered January 3, 1922. NATIONAL ASBESTOS MANUFACTURING Co., Jersey City, N. J. Renewed January 3, 1942, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee.

150,870. **LONG LIFE.** PAINTS FOR WOOD, IRON, TIN, OR STEEL, STRUCTURAL IRON OF EVERY DESCRIPTION, ETC. Registered January 10, 1922. THE KLEIN MANUFACTURING COMPANY, Cleveland, Ohio. Renewed January 10, 1942, to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York, assignee by mesne assignments.

150,918. **NEOCO.** CERTAIN MEASURING AND SCIENTIFIC APPLIANCES. Registered January 10, 1922. NEW ERA OPTICAL Co., Chicago, Ill., a corporation of Illinois. Renewed January 10, 1942.

151,353. **AA CIRCUS.** CERTAIN NAMED BRUSHES. Registered January 31, 1922. PITTSBURGH PLATE GLASS COMPANY, RENNOUS-KLEINLE DIVISION, Baltimore Md. Renewed January 31, 1942, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania.

152,467. **A AN A.** PREPARED ROOFING. Registered February 28, 1922. NATIONAL ASBESTOS MANUFACTURING Co., Jersey City, N. J. Renewed February 28, 1942, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee.

152,700. **CALIFORNIA HOME.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered March 7, 1922. CALIFORNIA CONSERVING Co. Renewed March 7, 1942, to California Conserving Company, Incorporated, San Francisco, Calif., a corporation of Nevada, assignee.

152,791. **RED MARK.** POULTRY FOOD, ANIMAL-FEEDING STUFFS, VEGETABLE OILS, FLOURS, MEALS, CEREALS. Registered March 7, 1922. GLOBE GRAIN & MILLING COMPANY, Los Angeles, Calif. Renewed March 7, 1942, to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware, assignee.

153,038. **SHEETROCK.** PLASTER WALL BOARD. Registered March 7, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

153,412. **THE MOTORGRAM.** A MONTHLY PUBLICATION. Registered March 21, 1922. BODINE ELECTRIC COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 21, 1942.

153,433. **THE DARE.** HEMOGLOBINOMETERS AND HEMOALKALIOMETERS. Registered March 21, 1922. ARTHUR DARE. Renewed March 21, 1942, to Mabelle R. Robinson, Philadelphia, Pa., assignee.

153,660. **MAGNARSENIS.** A PREPARATION FOR CERTAIN NAMED PURPOSES. Registered March 28, 1922. WARREN E. BENSON. Renewed March 28, 1942, to Regina B. Benson, Marietta, Ga., successor.

153,691. **DAIRMOL.** ANTISEPTICS AND DEODORIZERS. Registered March 28, 1922. THE DAIRY LABORATORIES, Philadelphia, Pa., a firm. Renewed March 28, 1942.

153,740. **IRIS.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered March 28, 1922. HAAS, BARUCH & Co., Los Angeles, Calif., a corporation of California. Renewed March 28, 1942.

154,150. **SWP.** PAINTS IN LIQUID, SEMIPASTE, AND PASTE FORMS. Registered April 4, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio. a corporation of Ohio. Renewed April 4, 1942.

154,156. **EXCHANGE.** FARM SEED—NAMELY, CLOVER, TIMOTHY, REDTOP, ALFALFA, CANE, MILLET. Registered April 4, 1922. SPRINGFIELD SEED Co., Springfield, Mo., a corporation of Missouri. Renewed April 4, 1942.

154,161. **SWP—COVER THE EARTH.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered April 4, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 4, 1942.

154,214. **AIRCO.** IGNITION GAUGES. Registered April 11, 1922. AIR REDUCTION COMPANY, INCORPORATED. Renewed April 11, 1942, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

154,384. **SWP—COVER THE EARTH.** CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered April 11, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 11, 1942.

154,786. **ELINE'S.** CHOCOLATE. Registered May 9, 1922. ELINE'S INCORPORATED, Milwaukee, Wis., a corporation of Delaware. Renewed May 9, 1942.

154,867. **ANACONDA TREBLE SUPERPHOSPHATE.** FERTILIZERS, PARTICULARLY THOSE CONTAINING PHOSPHATE. Registered May 16, 1922. ANACONDA COPPER MINING COMPANY, Anaconda and Butte, Mont., and New York, N. Y. Renewed May 16, 1942, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana.

155,078. **SWP—COVER THE EARTH.** GLUE. Registered May 16, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 16, 1942.

155,114. **THINTEXT.** PRINTING PAPER. Registered May 16, 1922. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 16, 1942.

155,232. **CASH CROPS.** A PUBLICATION ISSUED MONTHLY FROM OCTOBER TO MAY, INCLUSIVE. Registered May 23, 1922. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Renewed May 23, 1942.

155,286. **SWP—COVER THE EARTH.** CERTAIN NAMED INKS AND INKING MATERIALS. Registered May 23, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 23, 1942.

155,383. **BETHLEHEM.** GUNS FOR FIXED AND MOBILE ARTILLERY AND NAVAL GUNS. Registered May 30, 1922. BETHLEHEM STEEL COMPANY, Bethlehem, Pa., a corporation of Pennsylvania. Renewed May 30, 1942.

155,385. **BB.** CERTAIN NAMED ARTICLES OF JEWELRY. Registered May 30, 1922. BINDER BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed May 30, 1942.

155,416. **NOVORO.** A CERTAIN NAMED TONIC. Registered May 30, 1922. THE DR. PETER FAHRNEY & SONS Co., Chicago, Ill., a corporation of Illinois. Renewed May 30, 1942.

155,450. **KOLTAROL.** DISINFECTANTS, DEODORIZERS, FUMIGATORS, AND ANTISEPTICS. Registered May 30, 1922. WALTER H. HUGGINS. Renewed May 30, 1942, to James Huggins & Son, Malden, Mass., a firm, assignee.

155,543. **DEAD SHOT.** INSECTICIDES. Registered May 30, 1922. TRAGER MANUFACTURING COMPANY, INC., Scranton, Pa., a corporation of Pennsylvania. Renewed May 30, 1942.

REISSUES

JANUARY 13, 1942

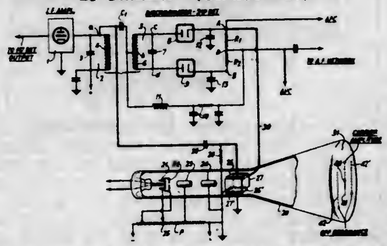
22,000

VISUAL SIGNAL CARRIER INDICATOR

Earl I. Anderson, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,194,516, dated March 26, 1940, Serial No. 201,591, April 12, 1938. Application for reissue February 26, 1941, Serial No. 380,698

15 Claims. (Cl. 250—40)



12. A method of indicating amplitude and frequency variations of the carrier of modulated carrier waves, which method includes the steps of translating carrier amplitude variations into a variable visual indication without rectification of the carrier waves, deriving a direct current voltage from the waves whose polarity and magnitude depends upon the sense and amount of frequency departure of the said carrier from an assigned frequency value, and utilizing said direct current voltage to shift said indication with respect to a predetermined point.

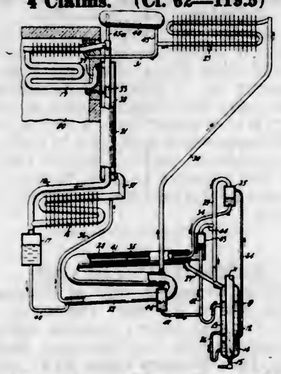
22,001

REFRIGERATION

Philip P. Anderson, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,203,074, dated June 4, 1940, Serial No. 182,707, December 31, 1937. Application for reissue October 4, 1941, Serial No. 413,706

4 Claims. (Cl. 62—119.5)



2. An absorption refrigeration system including a condenser, an evaporator, an absorber, a generator including a heated chamber, a rising conduit having its lower end projecting into said heated chamber and forming a vapor lift by which vapor formed by heating of liquid in said chamber raises liquid to a level from which it flows by gravity to said absorber and thence back to said generator, a first conduit for conducting said raised liquid to said absorber, a second conduit for conducting the liquid flowing from said absorber to said generator, a conduit for conducting vapor from said generator to said condenser, parts of said three conduits being in coextensive heat exchange relation at a level below a surface level of liquid flowing from said absorber to said generator, said part of said conduit for vapor forming a rectifier, and a connection for draining condensate from said rectifier by gravity flow.

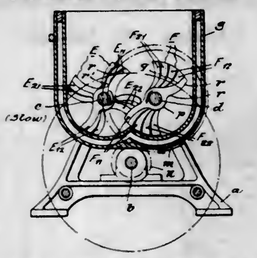
22,002

MIXING MACHINE

Fritz Beken, Ilford, England

Original No. 2,095,907, dated October 12, 1937, Serial No. 79,976, May 15, 1936. Application for reissue February 21, 1939, Serial No. 257,766. In Great Britain July 24, 1935

7 Claims. (Cl. 259—104)



1. In a mixing machine, the combination of a container, parallel shafts therein, alined paddles on said shafts, each comprising a hub portion and a pair of radially extending diametrically opposed blades, means for rotating said shafts in opposite directions with the speed of rotation of one double that of the other, said shafts being suitably spaced and said blades being each of suitable length to cause their outer edges to pass closely adjacent to the hub portion of the opposite paddle, said blades each being curved, in its direction of rotation, and each paddle being so angularly set on its shaft in the plane of rotation as to enable the blades of the faster paddle periodically to overtake and pass adjacent to the blades of the slower paddle, without interference.

22,003

PNEUMATIC ERECTION DEVICE FOR GYROSCOPES

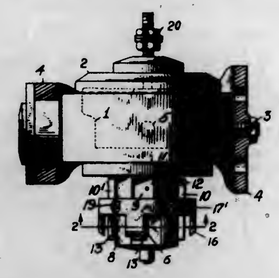
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Original No. 2,219,295, dated October 29, 1940, Serial No. 262,628, March 18, 1939. Application for reissue April 29, 1941, Serial No. 390,970

6 Claims. (Cl. 74—5)

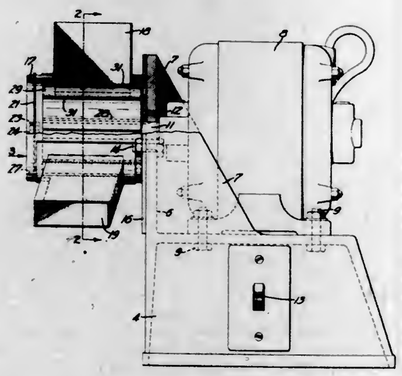
1. In a neutrally mounted gyroscope having air jet erecting means, opposed ports in said gyroscope for the jets, pendulous cut-off means adjacent each port, and a spoiler or baffle mounted

on said gyroscope beyond each pendulous cut-off means and adapted to intercept at least a portion of said jet as said pendulous cut-off means un-



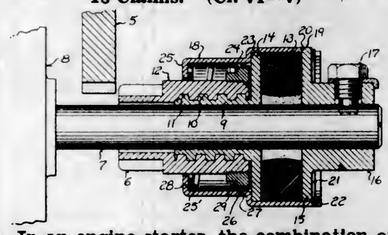
covers a substantial portion of the adjacent port, but not intercepting said jet in the normal position of said pendulous cut-off means.

22,004
FRUIT AND VEGETABLE SHREDDER
Hugh James Crawford, Oakland, Calif.
Original No. 2,214,075, dated September 10, 1940, Serial No. 295,359, September 18, 1939. Application for reissue December 26, 1940, Serial No. 371,817
5 Claims. (Cl. 146—123)



1. A pulper comprising a base, a bracket rising from a side of said base, said bracket having therein an aperture, a motor mounted on said base having a rotatable shaft passing through said bracket aperture, a mounting plate removably secured to said bracket, an axially horizontal tubular housing secured to said mounting plate in eccentric relation to the axis of the motor shaft, said housing having in the top thereof an inlet opening through which material to be pulped may be introduced into said housing and having in the bottom thereof an outlet opening through which pulped material may be discharged from said housing, a gate pivotally mounted on and for closing an end of said housing, a cylindrical rotor secured to and rotatable with said motor shaft within said housing, said rotor having a plurality of axially parallel, circumferentially spaced, slots in the periphery thereof, and cutter blades secured in said slots, each of said cutter blades having spaced teeth formed in an edge thereof.

22,005
ENGINE STARTER
Oscar F. Gottlieb, Milwaukee, and Ira Milton Jones and Erich Eugene Kohls, Mequon, Wis., assignors to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Original No. 2,201,310, dated May 21, 1940, Serial No. 265,252, March 31, 1939. Application for reissue August 12, 1941, Serial No. 406,540
18 Claims. (Cl. 74—7)



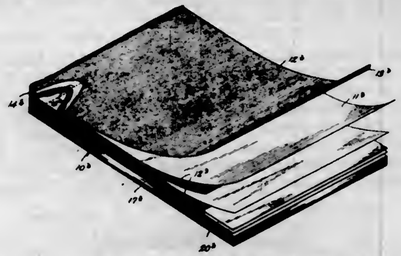
1. In an engine starter, the combination of: a drive shaft; an externally threaded member freely slidably rotatably mounted on the shaft; a pinion movable endwise along the shaft and rotatable therewith; a sleeve on the pinion internally threaded and engaging the external thread on said member so that the sleeve and pinion are supported on said member; opposed abutments on said externally threaded member and the shaft; a resilient driving connection from the shaft to said member comprising an elastically deformable connector confined between said abutments; and means for limiting endwise forward movement of the pinion toward one end of the shaft, said means comprising a shoulder on the exterior of the sleeve at a point remote from the pinion, a part supported from the opposite end portion of the shaft and directed forwardly toward the pinion, and an abutment on said part at all times in juxtaposition to the sleeve to be engageable with the shoulder thereon.

22,006
HYDROLYSIS OF FATS AND OILS
Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Original No. 2,139,589, dated December 6, 1938, Serial No. 83,991, June 6, 1936. Application for reissue November 30, 1940, Serial No. 368,060
6 Claims. (Cl. 260—415)

5. The process of forming fatty acids and glycerin which comprises countercurrently contacting fatty acid glycerides and liquid water under pressure at a temperature above about 200° C. but below that temperature at which the fatty material and water form a single phase, the quantity of water being sufficient to hydrolyze the fatty acid glycerides and to remove the glycerin so formed, the pressure being sufficient to maintain the water in the liquid state at the operating temperatures.

22,007
MANIFOLDING DEVICE
Harry Stevens, deceased, late of Niagara Falls, N. Y., by Karen Stevens, executrix, Niagara Falls, N. Y.; said Harry Stevens assignor, by mesne assignments, to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Original No. 2,120,163, dated June 7, 1938, Serial No. 646,041, December 7, 1932. Application for reissue December 5, 1939, Serial No. 307,719
10 Claims. (Cl. 282—24)

10. A manifolding couplet for use in manifolding assemblies and including manifolding leaves, said manifolding leaves of the couplet consisting only of a record leaf exposed at one surface of the couplet and a transfer leaf exposed at the



opposite surface thereof, said leaves being arranged in superposed manifolding relation with each other with the transfer leaf having a transfer surface positioned for transfer inscription on said couplet record leaf, one of said couplet leaves having a weakened severance line forming a severable binding stub with which the other said couplet leaf has attachment, said transfer leaf extending from said stub attachment into superposed transfer relation with said couplet record leaf, whereby said couplet, either alone or with another similar superposed couplet, forms a manifolding assembly adapted to be positioned in superposed transfer relation with a separate free record leaf for simultaneous inscription reception by the complete assembly thus formed, said couplet leaf with the weakened severance line having a marginal portion extending beyond the adjacent edge of the other couplet leaf to provide a selective grip formation spaced beyond and at the opposite side of said severance line from said binding stub, whereby said couplet can be simultaneously gripped at said binding stub and at said selective grip formation to effect quick separation of the couplet record and transfer leaves from each other and at the same time to effect severance of one of said couplet leaves from said binding stub along said weakened severance line thereof.

PATENTS

GRANTED JANUARY 13, 1942

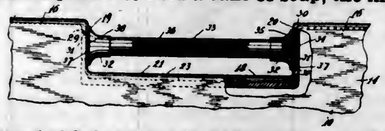
2,269,419
INTERLOCKING SLIDE FASTENER
Benjamin Adler and Lazar Siegel, Brooklyn, N. Y.
Application June 27, 1940, Serial No. 342,676
8 Claims. (Cl. 24—205)



4. In an article, such as a surgical stocking, having two closure portions of elastic stretchable rubber-like sheet material, a separable slide fastener for said two closure portions having two cooperating rows of interlocking links which are brought into locking engagement and separated by a slider engaging said interlocking links, a stringer for each row of interlocking links forming the junction between the interlocking links and the associated closure portion, each stringer including an elongated web of pre-formed elastic stretchable rubber-like sheet material forming two portions having inwardly facing surfaces overlappingly joined to the exterior surfaces of the associated closure portion and a bead extending along said web to constitute a flexible support clampingly engaged by the associated row of interlocking links so as to hold them in a predeterminedly-spaced operatively-aligned relation, said bead being formed of an intermediate portion of the pre-formed sheet material of said web folded over a cord formation and united thereto to constitute a bead formation of a predetermined overall thickness determined by the thickness of the cord formation and the thickness of the pre-formed sheet material folded thereover, said cord formation being substantially nonstretchable and the thickness of the elastic sheet portion folded thereover being sufficiently thin and so united to said cord formation that the bead formation constitutes a substantially nonstretchable support effective in holding the links clamped thereto in their predeterminedly-spaced relation notwithstanding the stretchable character of the material of the folded-over sheet portion, and substantially preventing disturbance of the operatively-aligned relation of associated links under the action of forces exerted thereon by the motion of the slider when locking or separating the links, the materials of said web and the material of said closure portions having similar elastic and bonding characteristics, and the facing portions of said web and said closure portion being united to each other over a continuous junction area so that the region of the junction between the web and the closure is formed of material having substantially the same characteristics.

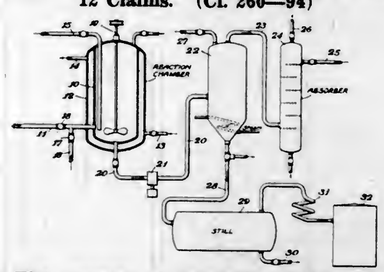
2,269,420
COMBINATION HANDHOLD AND SOAP DISH FOR BATHTUBS
Edward M. Anderson and John B. Hicks, Monaca, Pa.
Application September 7, 1940, Serial No. 355,756
2 Claims. (Cl. 4—185)

1. A bath tub having a front roll-rim portion provided with a recess integrally formed therein intermediate its length, the recess having a bottom and vertical end walls and being open along its top and its inner and outer sides, said end walls having aligned openings formed therein, the outer longitudinal edge of said bottom having a continuous upstanding ledge joining said vertical end walls, the inner longitudinal edge of said bottom having a centrally interrupted upstanding ledge also joining said vertical end walls, said ledges cooperating with the bottom to produce a pocket to hold a cake of soap, the inner



interrupted ledge also adapted to provide a drain for liquid which may accumulate in said pocket, a removable handle bar interposed horizontally in the recess between the end walls and having threaded end portions, and flanged nuts fitting about the handle bar in threaded engagement with the threaded end portions thereof and having end portions inserted in the openings of the end walls to detachably mount the handle bar.

2,269,421
MANUFACTURING HYDROCARBON RESINS
Maurice H. Arveson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 30, 1936, Serial No. 103,286
12 Claims. (Cl. 260—94)

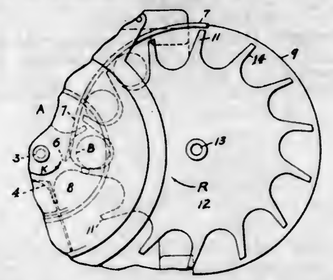


1. The process of converting isobutylene to high molecular weight hydrocarbon resins which comprises introducing the isobutylene into a cold liquid reaction mixture comprising a solvent containing boron trifluoride catalyst wherein the concentration of catalyst is sufficient to produce immediate polymerization of the isobutylene and controlling the rate of introduction of isobutylene to prevent the temperature of the reaction mixture rising substantially above −50° F.

2,269,422
CAN DELIVERING MECHANISM
Charles H. Ayars, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J., a corporation of New Jersey
Application December 30, 1939, Serial No. 311,885
1 Claim. (Cl. 198—22)

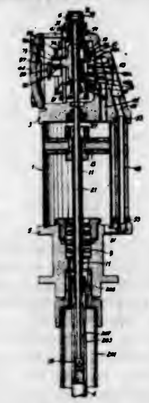
In a can filling machine, means for removing cans from filling position comprising a rotary can-engaging wheel, a stationary disk disposed eccentrically of said wheel, an arcuate stationary rail adapted to engage the cans for movement

onto the disk, a rotary member substantially concentric with said rail having fingers for engaging said cans to move same along said disk, said fingers each having a straight can-engaging surface inclined forwardly relative to the direction of rotation of the member, said can-engaging surface substantially coinciding with a line ex-



tending from the radially outermost point of said surface and tangent to a circle concentric with said rotary member and having a radius of approximately one-fourth the radius of said member, and the forward inclination of the can-engaging surface directing the cans along the disk out of chattering contact with the rail.

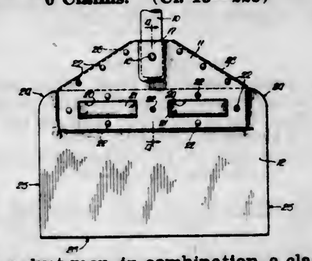
2,269,423
VALVE MECHANISM
Frank S. Barks and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application September 30, 1940, Serial No. 359,934
16 Claims. (Cl. 121—164)



1. A valve mechanism comprising a valve, a trip shoe having a lost-motion engagement with the valve, a trip rod having a lost-motion engagement with the trip shoe, a toggle linkage having its center line lying crosswise with respect to the motion of the shoe and comprising two toggle links, one of which has a fixed pivot and the other of which has a sliding pivot, said toggle links being pivoted to one another by means of a pivot connection with said trip shoe, and means biasing said movable pivot toward the fixed pivot.

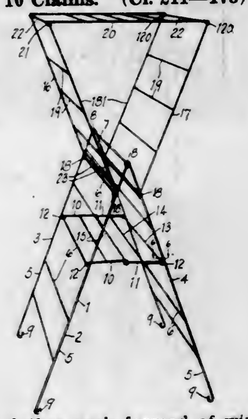
7. In a valve gear, a fixed support, an oscillating member pivoted at one point in said support, a connecting member having one end pivoted to said oscillating member and the other pivoted to a slide in the support, a sliding piston adjacent to the fixed pivot, and a connecting member between said sliding piston and said sliding pivot.

2,269,424
DUST MOP
Adele R. Bernstein, Chicago, Ill.
Application August 14, 1940, Serial No. 352,482
6 Claims. (Cl. 15—228)



1. In a dust mop, in combination, a clamp having a pair of sides in spaced relation, said sides having openings therein, a soft resilient member held compressed between the sides of said clamp and protruding through the openings in the sides of the clamp to act as resilient bumpers at opposite sides of the clamp, and a handle carried by said clamp.

2,269,425
CLOTHES RACK
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Application April 24, 1939, Serial No. 269,608
10 Claims. (Cl. 211—178)

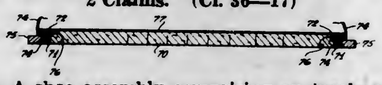


2. In a clothes rack formed of wire parts, the combination of members each comprising spaced risers having connecting rack bars T-welded thereto, one pair of risers having an integral cross piece at their upper ends, the other pair of risers having eyes pivotally engaged with said cross piece, a pair of brace members comprising end members and connecting cross pieces, the end members being pivotally connected to opposed bars of said base members, the end members of one brace member having eyes pivotally engaged with a cross piece of the other brace member, and a loop-like stop welded to one pair of risers to project inwardly therefrom and limiting the downward movement of the brace members in their erected position.

2,269,426
FIRE EXTINGUISHING COMPOSITION AND METHOD
Fisher L. Boyd, West Chester, Pa.
No Drawing. Application January 26, 1938, Serial No. 186,984
9 Claims. (Cl. 169—1)

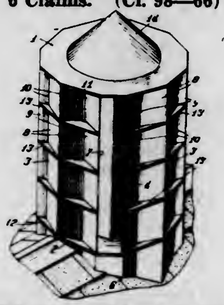
1. A fire extinguishing composition comprising a foam producing substance and a foam stabilizer, the latter comprising fatty acid soap reacted with alkali metal permanganate.

2,269,427
WELT SHOE
David R. Brady, Highland Park, Mich., assignor, by mesne assignments, to David R. Brady and J. Windsor Davis, as joint trustees for Brady Research Company, Detroit, Mich.
Application May 17, 1939, Serial No. 274,245
2 Claims. (Cl. 36—17)



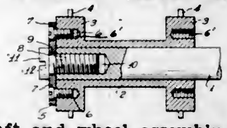
1. A shoe assembly comprising an insole composed of thin sheet material and a filler member of comparatively greater thickness, said filler member having a portion thereof removed to provide a marginal portion of reduced thickness or a groove encircling the insole, said sheet material being bent around the edge of said filler member into said groove and having an upstanding portion constituting a welt attaching rib, said rib being so related with the wall of said groove as to enable inseam stitching of a welt and upper to said rib, a welt and an upper, inseam stitching securing said welt and upper to said rib, and a filler element preformed to fit between the wall of the groove and the adjacent surface of said rib, said filler element being secured in said groove by an adhesive.

2,269,428
VENTILATOR
George C. Breidert, Glendale, Calif.
Application June 19, 1940, Serial No. 341,325
6 Claims. (Cl. 98—66)



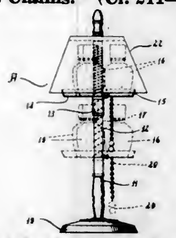
1. A ventilator comprising a top provided with a cone shaped upper surface, a bottom, spaced side pieces extending between the top and bottom adjacent their perimeters to form outer exits, each of said side pieces formed to provide a central outwardly extending bulge portion and deflecting lateral portions forming pockets at each side of each exit, horizontal baffle members extending across the pockets so formed, a collar leading through the bottom to form an entrance to the ventilator, baffle members extending between top and bottom opposite said outer exits and around and adjacent the collar and spaced to form inner exits opposite the central bulge portions of the side pieces, each of said baffle members formed with a central bulge portion positioned opposite the outer exits, two outwardly extending lateral portions and deflector tips, the inner exits being of about the same area as the outer exits and the total area of the outer exits being greater than the area of the entrance formed by the collar.

2,269,429
WHEEL MOUNTING
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1941, Serial No. 379,088
7 Claims. (Cl. 287—53)



1. A shaft and wheel assembly comprising a shaft of uniform diameter, a wheel of uniform bore mounted thereon, means for holding said wheel against rotary and longitudinal movement relatively to said shaft, said means comprising a plate abutting said wheel and an end of said shaft, means for securing said plate to said wheel, means securing said plate to said shaft, and a key extending into said shaft and having a driving relation to said wheel, said two securing means and plate alone being sufficient to hold said wheel against axial displacement.

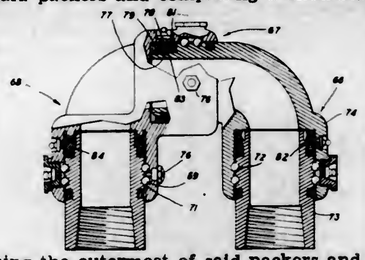
2,269,430
SUPPORTING STAND
William B. Cohen and Lewis Fine, St. Paul, Minn., assignors to Stuart Products Company, St. Paul, Minn., a corporation of Minnesota
Application March 18, 1940, Serial No. 324,578
5 Claims. (Cl. 211—74)



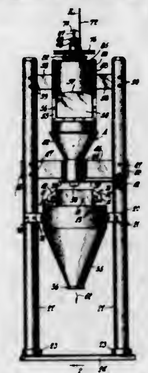
2. A support for bottles or the like comprising a base, a standard extending upwardly from said base, a sleeve slidable upon said standard, a supporting platform extending outwardly from said sleeve designed to accommodate a series of bottles, a substantially frustro-conical shade encircling said standard, means securing said shade to said standard, and spring means for normally supporting said sleeve and platform in raised position to support said bottles within said shade.

2,269,431
FLEXIBLE PIPE JOINT
Frank M. Allen, near Azusa, and Clyde B. Taylor, Anaheim, Calif., assignors to The All-Flex Corporation, Los Angeles, Calif., a corporation of California
Application February 7, 1940, Serial No. 317,740
2 Claims. (Cl. 285—97.9)

1. In a swivel pipe coupling of the character described, male and female pipe elements in cooperative relation, anti-friction means interconnecting said male and female elements for relative rotation, and packing means between said male and female elements comprising a pair of packers disposed within a recess between said pipe elements, and separate means upon said male pipe element individually supporting each of said packers and comprising a shoulder supporting the outermost of said packers and a removable flange supporting the innermost of said packers, said flange leaving a space between said packers for fluid sealing means.



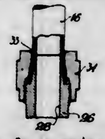
2,269,432
FEEDING AND DISPENSING DEVICE
William J. Beck and Peter Hannah, Yonkers, N. Y.
Application July 26, 1937, Serial No. 155,643
18 Claims. (Cl. 249—42)



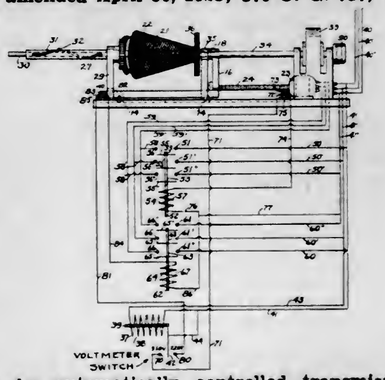
1. A dispensing apparatus to dispense a predetermined charge comprising a cylindrical dispenser, an inwardly diverging vessel continuous with said cylindrical dispenser to feed said dispenser, a gate to cut off said dispenser, an agitator rotating within said dispenser and a centrally located cylindrical plug extending axially through the upper part of said cylindrical dispenser the space below which serves to permit collection of an amount of material less than a predetermined charge, to be segregated prior to opening said gate, said segregated material being adapted to be dumped at the beginning of the dispensing period when the gate is opened.

2,269,433
COMPRESSION COUPLING
Gustave A. Borg and Carl G. Hyland, New York, N. Y., assignors, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Continuation of application Serial No. 161,388, August 28, 1937. This application September 7, 1938, Serial No. 228,754
1 Claim. (Cl. 285—86)

In a compression coupling for a somewhat malleable metallic pipe having a flared end with inner and outer conic surfaces nearly parallel with each other; a male member having an axial bore corresponding to the normal internal dimension of said pipe, having at one end an external conic surface of greater extent in the axial direction than is the inner conic surface of the pipe and shaped to make intimate surface contact with the inner conic surface of said pipe, and having beyond the larger end of the said external conic surface an external threaded portion; and a nut having at one end an internal threaded portion for engaging the external threaded portion of said male member and having at its other end an internal conic surface corresponding to the outer conic surface of the pipe and terminating at its smaller end in a gradually flared curved surface extending outwardly in the axial direction beyond the outer conic surface of the pipe; said coupling when tight having a portion of the conic surface of the male member disposed beyond the large end of the flared end of the pipe, with a portion of the flared end of the pipe extending beyond the large end of the conic surface of the nut, and with the flared curved surface of the nut substantially at the junction of the flared end of the pipe and the normal wall of the pipe and extending beyond the inner end of the male member to permit vibrational play of the pipe outside of its contact with the conic surfaces of the nut and male member.



2,269,434
AUTOMATIC TRANSMISSION MECHANISM
Cuyler W. Brooks, Pittsburgh, Pa.
Application November 18, 1940, Serial No. 366,197
5 Claims. (Cl. 171—231)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An automatically controlled transmission mechanism including a carriage, a cone rotatably mounted on said carriage, an extensible coupling connecting said cone to a drive shaft, a disc in frictional engagement with said cone, a generator driven by said disc, a reversible motor electrically connected to said generator, means connected to said motor to effect the movement of said carriage, means operated by said generator to effect the directional rotation of said motor, and means affected by the voltage of said generator to control said last mentioned means.

2,269,435
TREATMENT FOR COATED MAGNESIUM AND ITS ALLOYS
Robert W. Buzzard, Kensington, Md.
No Drawing. Application November 27, 1940, Serial No. 367,406
3 Claims. (Cl. 148—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

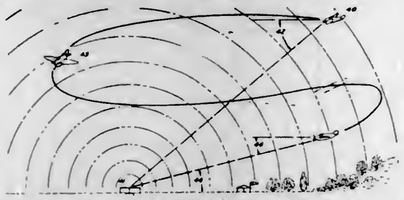
1. A method of producing corrosion resistant coatings on magnesium and magnesium alloys in which magnesium predominates, comprising forming on the surface of the metal an adherent coating by subjecting the metal to the action of an aqueous solution containing a water soluble dichromate and nitric acid and thereafter subjecting the coated metal to the action of an aqueous solution containing magnesium fluoride and a water soluble salt of chromic acid.

2,269,436
ASBESTOS-CEMENT PIPE
Arthur B. Christopher, Audubon, N. J., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,372
3 Claims. (Cl. 138—80)



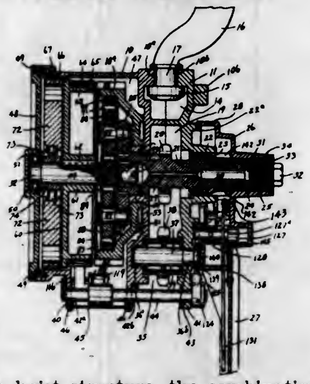
1. As a new article of manufacture, an extruded asbestos-cement pipe composed of a hardened plastic mixture of cement and asbestos fiber in which substantially all the fibers are mechanically arranged during extrusion to run lengthwise of the pipe.

2,269,437
METHOD AND MEANS FOR DETERMINING VERTICAL ANGLES OF ENERGY WAVES
William Lee Clemmer, Monroe, Wis.
Application May 26, 1937, Serial No. 144,871
15 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 379 O. G. 757)



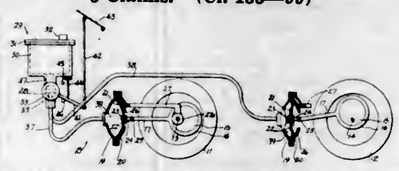
1. The method of measuring, with a loop antenna, vertical angles of incidence of energy waves having components of the magnetic flux thereof polarized vertically and horizontally in the plane or front of propagation of the wave, which comprises positioning a planar-axis of the antenna in azimuth in the vertical plane of incidence of the wave, swinging said axis in said vertical plane of incidence, and rotating said loop about said axis, until a position of pure null with minimum angle between the loop-plane and the said vertical plane is reached indicating that the plane of the loop coincides with the plane of the resultant of the components of magnetic flux of the wave, and determining the vertical angle of the said axis in said position with reference to a horizontal plane.

2,269,438
FREE-CHAIN PLANETARY HOIST
Fredrick W. Coffing, Danville, Ill.
Application October 8, 1937, Serial No. 167,959
In Great Britain September 8, 1937
10 Claims. (Cl. 254—171)



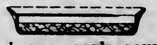
2. In a hoist structure, the combination of a power operable shaft, a load chain engageable sprocket thereon, a planetary transmission including a sun gear, planetary pinions, a carrier therefor rigid with the shaft, and a ring gear, the pinions being revolvable about the sun gear in the rotation of the power shaft when the sun gear is rotatable therewith, a supplementary shaft rigid with the sun gear, a brake drum also rigid therewith, a housing enclosing all of the aforesaid, a brake band for the brake drum normally constrained to lock the sun gear shaft to the housing, a ratchet mechanism operatively associated with the ring gear of the planetary system, and pawl means normally constrained to ratchet engagement and when engaged permitting power shaft and ratchet rotation in load elevating direction without sun gear rotation, said pawl means when disengaged from the ratchet permitting sun gear rotation with power shaft rotation in the load lowering direction upon removal of brake band constraint.

2,269,439
HYDRAULIC DIAPHRAGM BRAKE
Raymond de Filippis, Brooklyn, N. Y.
Application September 27, 1939, Serial No. 296,721
6 Claims. (Cl. 188—99)



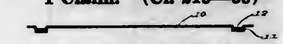
1. An automobile including a plurality of shafts each adopted to mount one or more wheels, a unit for each wheel having a compartment member having a diaphragm, means interengaging the diaphragms with the different wheels, each means including an eccentric element to cause vibration of the different diaphragms, a relatively stationary valve housing, a single valve member therein, conduits connecting the different compartment members with the valve housing, said valve member having portions for individually controlling the different conduits, said conduits being flexible to permit angular movement of certain wheels for steering movement of the automobile, means mounting on said shafts their respective units for maintaining alinement of said means, said compartments hydraulically restraining the movement of their respective diaphragms when the valve member is in closed position.

2,269,440
CORK COMPOSITION
Louis J. De Holczer, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application November 18, 1938, Serial No. 241,288
3 Claims. (Cl. 215—39)



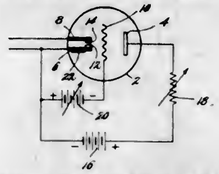
1. A cap having a cork composition cushion liner comprising cork granules and sulfur-vulcanized rubber, said cushion liner being substantially devoid of free sulfur.

2,269,441
CLOSURE
Louis J. De Holczer, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 29, 1940, Serial No. 363,350
1 Claim. (Cl. 215—38)



A closure having a sealing layer of vulcanized rubber adhered to the closure, said layer being characterized by being deposited from a rubber dispersion including a sulphur bearing vulcanizing compound, by the absence of free sulphur and by presenting a smooth continuous sealing surface, said dispersion containing an amount of sulphur bearing vulcanizing compound effective during vulcanizing of the rubber to liberate sulphur below .5% of the rubber in highly reactive nascent condition and combine with the rubber to vulcanize the same without leaving a free sulphur residue and forming a resilient, flexible sealing layer which is strongly coherent, has high tensile strength and is tenaciously adhered to the closure after vulcanization.

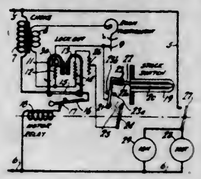
2,269,442
THERMALLY RESPONSIVE GAS-DISCHARGE DEVICE
Edward Charles Dench, Worcester, Mass.
Application March 14, 1939, Serial No. 261,786
22 Claims. (Cl. 250—41.5)



3. A tube having an anode, a grid and a cathode comprising a plurality of cooperating thermally-sensitive elements.

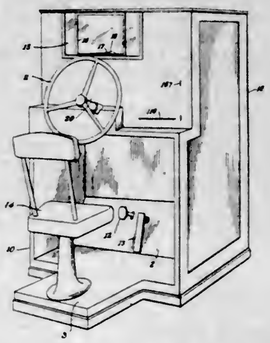
2,269,443
BURNER CONTROL SYSTEM
Justin A. Deubel, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 24, 1938, Serial No. 236,819
30 Claims. (Cl. 158—28)

1. A burner control system comprising means for feeding fuel to the burner, a manual reset thermal safety switch having an actuating element and a compensating element for controlling the operation of the fuel feeding means, a heater adjacent the actuating element and energized during the entire operation of the fuel feeding



means for opening the safety switch, a second heater adjacent the compensating element, and means operative to energize said second heater after the establishment of combustion for maintaining the safety switch closed, said compensating element arranged to compensate the actuating element for ambient temperature changes.

2,269,444
TESTING DEVICE
Hobart N. Durham, Munsey Park, N. Y., and George B. Finnegan, Jr., Mountain Lakes, N. J.
Application July 17, 1937, Serial No. 154,234
In Great Britain July 17, 1936
43 Claims. (Cl. 35—11)

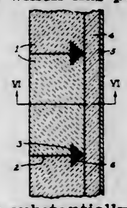


1. Mechanism for testing and recording the ability of a person to drive a vehicle including in combination a set of vehicle-driving controls to be actuated by an operator, means for presenting to the operator a moving scene giving the illusion that the vehicle is travelling over a course, said scene presenting a situation requiring actuation of a control and means responsive to said control for making a printed record of the manner in which the control was actuated.

2,269,445
GLASS TANK WALL AND METHOD OF CONSTRUCTING IT
George J. Easter, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application May 14, 1938, Serial No. 207,915
7 Claims. (Cl. 49—54)

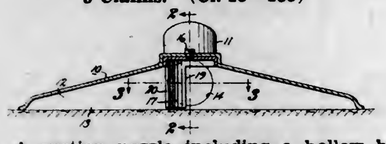
1. A glass tank wall comprising refractory blocks having a joint between adjoining blocks, an indentation in the face of one of said blocks adjoining said joint, said indentation forming a substantially enclosed space within the outer portion of said joint, and reactive packing material

in said enclosed space for reacting with and rendering glass which has penetrated said joint



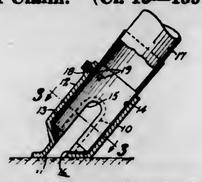
so viscous as to substantially prevent its further movement through said joint.

2,269,446
SUCTION NOZZLE
Eric Edström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 26, 1936, Serial No. 87,398
In Switzerland July 2, 1935
3 Claims. (Cl. 15—155)



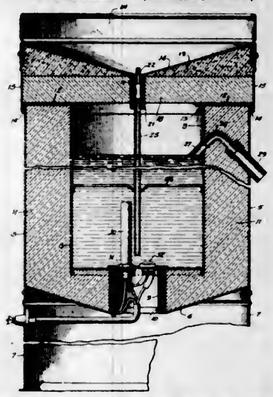
1. A suction nozzle including a hollow body portion having fixed structure forming an elongated undivided and continuous suction opening and an outlet adapted to be connected to a source of suction, and a hollow cylindrical member having an open bottom and ported sides rotatably mounted in said body portion, said member being rotatable between a position in which said ports establish communication between said outlet and all portions of said elongated opening and a position in which said sides restrict the area of said opening which is in communication with said outlet to that defined by the open bottom of said member.

2,269,447
SUCTION NOZZLE
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 26, 1936, Serial No. 87,389
In Switzerland July 2, 1935
1 Claim. (Cl. 15—155)



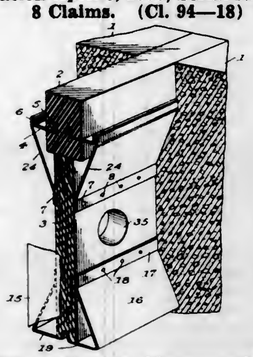
In a suction nozzle, a hollow body having fixed structure forming a centrally located cylindrical bore and laterally extending elongated hollow branches providing an elongated undivided and continuous suction opening, said bore having lateral openings affording communication between said branches and said bore, a cylindrical valve member having a bottom port and oppositely disposed side ports rotatably mounted in said body portion, said valve member being rotatable between a position in which said ports establish communication between said outlet and all portions of said elongated suction opening and a position in which the sides of said valve member restrict the area of said suction opening which is in communication with said outlet to substantially that defined by the bottom port of said valve member, and a suction conduit engaged and rotatable with said valve member whereby turning of the conduit effects rotation of the valve member.

2,269,448
WATER HEATER
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
Application March 27, 1940, Serial No. 326,226
3 Claims. (Cl. 219—38)



1. A water heater comprising a casing having therein an open liquid tank of a size to thereby provide a space therearound and being filled with insulating material, means for heating the liquid therein, heat insulating and water sealing means supporting the tank in a fixed position spacially related to the casing, normally open inlet and outlet connections for the tank, an insulated head removably fitted over the casing and tank in a fixed position thereon adapted to provide a closure therefor, a receptacle combined with the head and open upon the upper side thereof, and means extending through the head establishing communication between the receptacle associated therewith and the inlet connection, the head, receptacle and inlet connection as a unit being removable and replaceable relative to the casing and tank therewithin.

2,269,449
EXPANSION JOINT ACCESSORY
Albert C. Fischer, Chicago, Ill.
Application April 8, 1938, Serial No. 200,998
8 Claims. (Cl. 94—18)



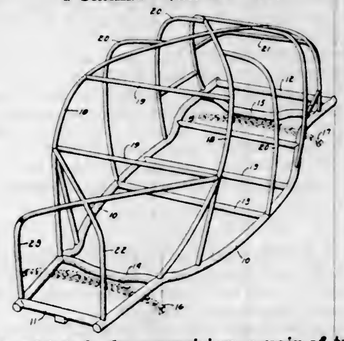
1. A structural assembly comprising spaced

structural elements adapted to have disposed therebetween an expansion joint composed of a resilient filler at the top thereof and a separate plastic mass subject to deformation and cold flow below said filler, a metallic sheet anchored within each of the opposite sides of said filler and bent to form a chamber adjacent to said plastic mass operating as an extrusion chamber for receiving said mass upon the expansion of said structural elements, said sheets being formed with projecting ridges integrally therewith for engagement within said structural elements and movement therewith, whereby said resilient filler is moved correspondingly to provide an effective seal for all positions of said structural elements.

2,269,450
N-(ALPHA-BETA-ALKENYLIDENE)-AMINOPHENOLS
Howard M. Fitch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 15, 1938, Serial No. 245,911. Divided and this application October 26, 1940, Serial No. 363,017
8 Claims. (Cl. 260—566)

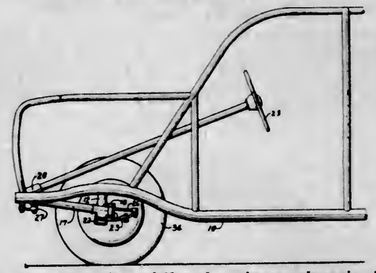
1. An N-(alpha-beta-alkenylidene)-aminophenol.

2,269,451
AUTOMOBILE BODY CONSTRUCTION
Henry Ford, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 15, 1940, Serial No. 335,234
4 Claims. (Cl. 296—28)



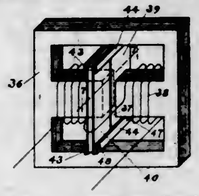
1. A vehicle body comprising, a pair of tubular side members extending the length of said body along its lower outer edges, tubular cross members extending between said side members at each end thereof, a pair of tubular spring supporting members extending between said side members and spaced inwardly from said end cross members, a plurality of intermediate tubular cross members extending between said side members intermediate of said spring supporting members, the ends of said cross members and said spring supporting members being fixedly secured to said side members, a pair of main tubular structural members each of which extends continuously from one of said side members at its point of intersection with said front spring supporting member upwardly and rearwardly to the top of said body and diagonally across the roof of said body downwardly to the other of said side members at its point of intersection with said rear spring supporting member, said main diagonal members intersecting each other in the roof of said vehicle and being fixedly secured to each other at said point of intersection, a pair of secondary tubular structural members each of which extends continuously from one of said side members at its point of intersection with said front end cross member upwardly and then diagonally rearwardly to intersect said main structural members, said secondary structural members intersecting each other and being fixedly secured together at the point of intersection, and a substantially vertical strut extending from the points of intersection of said main structural members with said secondary structural members to the corresponding side members.

2,269,452
AUTOMOBILE CHASSIS CONSTRUCTION
Henry Ford, Dearborn, and Eugene T. Gregorie, Grosse Ile, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 27, 1940, Serial No. 347,884
7 Claims. (Cl. 280—96.2)



1. In an automobile chassis, a chassis frame having a front cross member positioned at the forward end thereof and a spring-supporting cross member spaced rearwardly from said front cross member, a triangular-shaped wheel-supporting member pivotally mounted at one corner to the center of said front cross member, the other corners of said wheel-supporting member extending both laterally beyond said chassis and rearwardly to positions aligned with said spring-supporting cross member, a spring having its center portion rigidly fixed to said spring-supporting member and its ends shackled to the laterally extending corners of said wheel-supporting member, wheel spindles secured in said laterally extending corners of said wheel-supporting member, wheels rotatably mounted upon said spindles.

2,269,453
DEVICE FOR DETECTING DISPLACEMENTS
Everett L. Gayhart, United States Navy
Application January 12, 1938, Serial No. 184,591
2 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

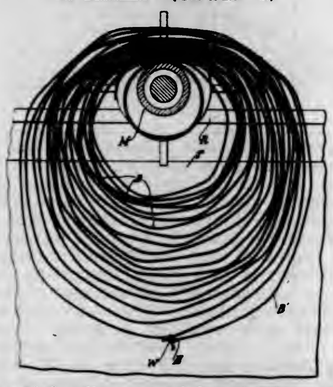


1. A device for detecting displacements, com-

prising in combination a member provided with a gap, a primary winding associated with said member and a source of alternating electromotive force connected with said winding which on being energized thereby causes an alternating electromagnetic field to be set up in said member and gap, the field within said gap having at least a part thereof wherein at any instant there is a substantially uniform flux distribution, a plurality of conjointly movable secondary windings responsive to the displacement to be detected and connected in series opposition, each of said windings having a portion thereof in substantially non-inductive relation with the alternating electromagnetic field and the remaining portion thereof at all times in inductive relation with that part of the electromagnetic field within the aforesaid gap wherein at any instant there is a substantially uniform flux distribution, and means connected to said secondary windings and responsive to the resultant of the electromotive forces induced therein for indicating any detected displacement.

2,269,454
METAL COIL

Agnes J. Reeves Greer, Morgantown, W. Va.
Original application March 10, 1939, Serial No. 261,038, now Patent No. 2,191,463, dated February 27, 1940. Divided and this application July 8, 1939, Serial No. 283,439
12 Claims. (Cl. 242—1)

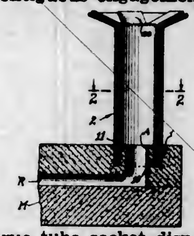


1. A metal coil prepared for pickling comprising a continuous spiral composed of a plurality of convolutions and spaced, angular bends formed in each convolution of the spiral coil, the convolutions of the coil being separated so as to permit relative movement between adjacent convolutions. The bends in succeeding convolutions being progressively spaced further apart from the center to the periphery of the coil.

2,269,455
MOLD AND SPRUE SLEEVE THEREFOR

Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Application February 17, 1940, Serial No. 319,460
6 Claims. (Cl. 22—134)

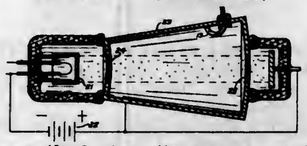
1. In combination, a mold having a sprue tube socket depressed below the back thereof and encircling a sprue aperture communicating with the mold cavity, such socket having a planar sprue tube end thrust seat encircling and spaced a considerable distance laterally from such sprue aperture, and a sprue tube of substantially uniform wall thickness throughout its length having an end inserted in such sprue tube socket with such end seated against said end thrust seat, and with that portion of the sprue tube wall adjacent to such end in contiguous engagement with a side



wall of the sprue tube socket disposed substantially perpendicular to the end thrust seat, said sprue tube comprising a thin walled self-sustaining tube of heat resistant material.

2,269,456
ELECTRON BEAM OSCILLATOR

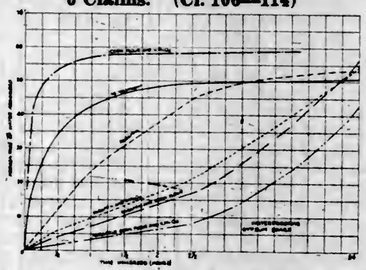
William W. Hansen and Russell H. Varian, Stanford University, Calif., assignors to Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application January 22, 1938, Serial No. 186,316
31 Claims. (Cl. 250—36)



1. The method of exciting a resonant circuit having an enclosed electromagnetic field, which consists of causing a stream of electrons to enter a region substantially enclosed and containing the oscillating electromagnetic field of said circuit and to pass through it, causing the electrons to be subjected to alternate increases and decreases of speed in the direction of travel thereof while in said region, and causing them to leave said region with less energy than they had when they entered it, thus sustaining oscillation of the circuit.

2,269,457
WATER RESISTANT COMPOSITION BOARD

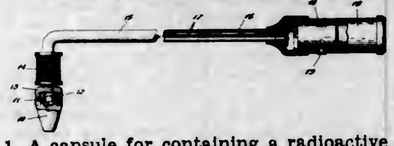
Delbert F. Jurgensen, Jr., Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1938, Serial No. 222,968
6 Claims. (Cl. 106—114)



2. A water repellant composition of matter comprising a major proportion by weight of set-hardened gypsum having incorporated therewith between 0.2% and 15% of a hydrophilic colloidal substance, between 0.5% and 15% of a waterproofing substance, and between 0.1% and 10% of a water soluble electrolyte.

2,269,458
CAPSULE FOR RADIOACTIVE SUBSTANCES AND MEANS FOR HANDLING THE SAME

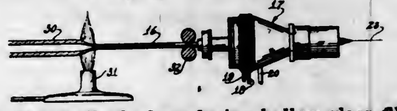
Noah A. Kahn, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 375,362
10 Claims. (Cl. 250—106)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A capsule for containing a radioactive substance and constructed from a metal capable of being attracted by a magnet.

2,269,459
TUBULAR FIBER

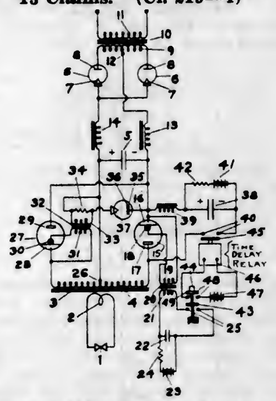
Dale Kleist, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 11, 1937, Serial No. 158,495
3 Claims. (Cl. 49—77)



1. The method of producing hollow glass filaments which comprises feeding a tubular rod of glass forward lengthwise through a flame by which it is heated and softened, drawing the softened material to the form of a relatively fine tube, and applying to the forward end of said tube after it has passed beyond said flame, an intensely hot blast by which the material is reduced to a semi-fluid or viscous condition and simultaneously drawn by the force of the blast to the form of a hollow filament of microscopic fineness.

2,269,460
CONDENSER WELDING SYSTEM

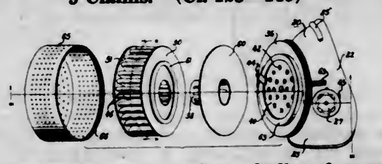
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 5, 1940, Serial No. 317,361
13 Claims. (Cl. 219—4)



12. A welding system comprising a condenser, means for charging said condenser, an inductance having magnetically-coupled windings, a welding load, a discharge circuit for discharging said condenser through one of said windings and said load, a shunt circuit across said last-named winding and an additional winding of said inductance, circuit-controlling means common to said discharge circuit and said shunt circuit, and a second circuit-controlling means in series with the first-named circuit-controlling means in said shunt circuit.

2,269,461
RESPIRATOR

William H. Lehmberg, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 2, 1939, Serial No. 302,490
5 Claims. (Cl. 128—146)



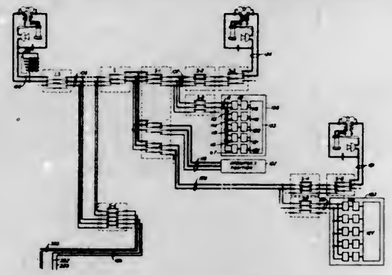
3. A respirator comprising a hollow face piece shaped to overlie the nose and mouth and having a resilient edge portion shaped to engage the face, said face piece having an exhalation opening and an inhalation opening therein, an attachment member of relatively flat material having an opening therein aligned with the inhalation opening and secured throughout the contour of its opening with the contour of the inhalation opening and having a rim portion of a diameter considerably greater than the diameter of the inhalation opening and shaped to provide attachment means extending outwardly in a direction away from the face piece, said attachment member having a side bearing surface, a hollow filter unit composed essentially of ribbon-like filtering material arranged in folds extending substantially radially about a central opening with the plane of said folds lying substantially in the direction of the longitudinal axis of said central opening of the filter and disc-like members secured in sealed relation with the opposed edges of said folded ribbon-like material and in substantially parallel relation with each other to complete the hollow filter unit and render said unit separable from the respirator without altering the sealed relation of the disc-like members with the filtering material, one of said discs having an opening therein communicating with the central opening about which the ribbon-like material is folded, the said disc having an opening therein being positioned adjacent the side bearing surface of the attachment member and binding means connected with the rim portion of the attachment member and engaging a portion of the filter member and relatively intimately pressure sealing said filter member with the side bearing surface of the attachment member with the opening of the disc and the central opening of the filter member communicating with the inhalation opening, said filtering unit being the sole filtering means of the respirator.

2,269,462
TELEPHONE SYSTEM

Benjamin F. Lewis and Herbert A. Lewis, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1940, Serial No. 341,631
14 Claims. (Cl. 179—18)

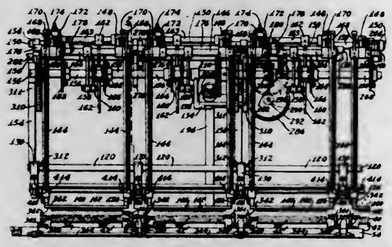
1. In a telephone system, a central office, a

line terminating in said central office, a trunk outgoing from said central office, means for transmitting over said line alternating current signals of different frequencies representing a telephone designation, a magnetizable medium in the central office, means responsive to said signals for producing permanent magnetizations in



said medium to record said designation thereon, means for establishing a connection to said trunk, means for reproducing the alternating current signals recorded on said medium and transmitting them over said trunk, and means responsive to the signals transmitted over said trunk for further extending said connection.

2,269,463
KNITTING MACHINE
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Knitting Machine Corporation, a corporation of Delaware
Application November 25, 1938, Serial No. 242,340
In Germany July 26, 1937
67 Claims. (Cl. 66—96)
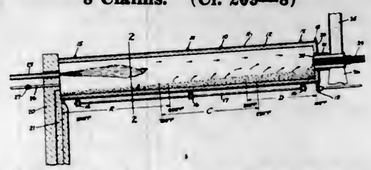


1. In a flat knitting machine having operating devices including a needle series for producing knitted fabric, a welt mechanism comprising instrumentalities to set up an initial course of welt fabric and to return said initial course to the needles to turn the welt, operating means for said instrumentalities, supporting means independent of the operating means on which said instrumentalities can be lifted to an inoperative position in which the welt mechanism will not obstruct the subsequent operation of said devices in the production of the fabric, means actuating said supporting means for lifting said instrumentalities to an inoperative position in which the welt mechanism will not obstruct subsequent operation of said devices in the production of the fabric, and control means operative to lift the welt mechanism to said inoperative position after the forming of the welt, and for lowering said welt mechanism prior to the setting up of a new fabric on the needles.

2,269,464
METHOD OF MOLDING CASEIN PRODUCTS
Christopher Luckhaupt, Jamaica, N. Y.
No Drawing. Application June 25, 1938, Serial No. 215,855
1 Claim. (Cl. 18—48)

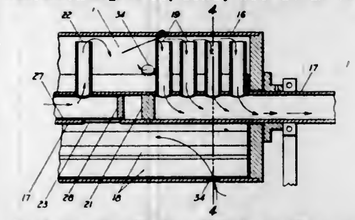
The method of molding casein products which comprises intermixing casein in substantially dry status with ammonium acetate in substantially dry status in the proportion ranging from five per cent (5%) to fifty per cent (50%) by weight of ammonium acetate, subjecting such intermixture to elevated temperature to effect interaction of the ingredients, permitting the escape of ammonia and other gases, and molding the resulting heated plastic mass while permitting escape of ammonia and other gases.

2,269,465
METHOD OF TREATING IRON ORE
Henry G. Lykken, Minneapolis, Minn.
Application November 16, 1938, Serial No. 240,731
8 Claims. (Cl. 209—8)



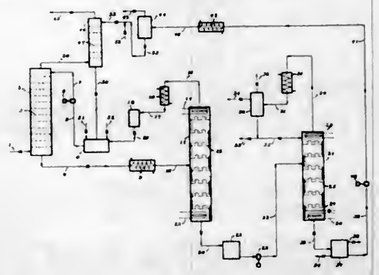
1. A process of increasing the magnetic permeability of non-magnetic iron ore particles of low grade ore having a size sufficiently small to pass through about a 4 mesh screen which comprises dusting said ore particles with lignite dust having a particle size sufficiently small to pass through about a 200 mesh screen, progressing said lignite-dusted ore through successive zones of increasing temperature to dry and char said lignite dusting, and then progressing said dusted ore into a zone having a temperature sufficiently high to ignite said lignite but in which there is not sufficient oxygen to completely burn said lignite.

2,269,466
DISINTEGRATING AND STABILIZING APPARATUS
Lewis M. McBride, Edgewood Arsenal, Md.
Application July 6, 1939, Serial No. 283,031
8 Claims. (Cl. 83—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



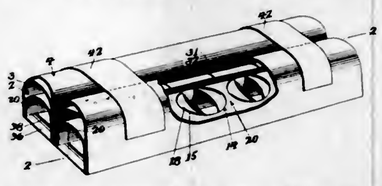
1. An impact mill for disintegrating normally solid material comprising a hollow shaft, a rotatable drum mounted on said shaft, a plurality of impact rollers within said drum, means for continually drawing air at high velocity into one end of said hollow shaft and across the upper portion of said drum and out the other end of said shaft, and means for selectively admitting air through the material and around said rollers and out of said hollow shaft.

2,269,467
RECOVERY OF SOLVENT FROM HYDROCARBON OILS
James H. McCullough, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,337
6 Claims. (Cl. 196—32)



1. In a process of removing mercaptan compounds from hydrocarbon oil involving contacting the oil with caustic methanol solution to form mercaptides soluble in said solution, separation of the mercaptide-containing solution from the oil, removal of methanol from the mercaptide-containing solution, and treatment of the resultant solution to decompose the mercaptides and produce an aqueous solution of regenerated caustic soda substantially free of mercaptides, the method of recovering residual methanol from the treated oil, which comprises contacting said oil with said aqueous solution of regenerated caustic soda to extract from said oil residual methanol.

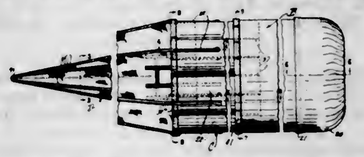
2,269,468
EGG CARTON
Edward L. McKee, Redvale, Colo.
Application April 29, 1938, Serial No. 205,069
10 Claims. (Cl. 229—29)



1. A carton comprising a pair of longitudinally connected and contiguous arches having their longitudinal marginal edges on a common plane, creases and slits crosswise of the arches forming pockets suspended from the arches to a depth falling short of said common plane, and a wrapper bottoming the arches and therefore occupying said common plane, said wrapper being superimposed on the remote sides of the arches and having its longitudinal edges tucked in between the arches.

2,269,469
AERIAL TRAILER
Frank George Manson, Dayton, Ohio
Application June 5, 1935, Serial No. 25,168
11 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An aerial trailer comprising as the main body thereof an elongated sleeve construction having an air spill passageway therethrough, bridle means for directing movement of air into the sleeve connected with the forward end of the sleeve and extending forwardly therefrom, said bridle construction comprising a plurality of

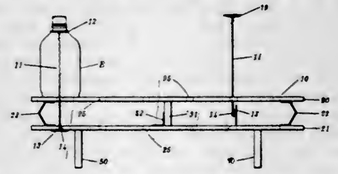


plane fins, said sleeve construction including a plurality of small diametered sleeves arranged in parallelism and having individual fins of the bridle construction extending into the open mouth ends of said sleeves for directing air flow thereinto.

2,269,470
PROCESS OF TREATING PIGMENTS
Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 27, 1939, Serial No. 286,808
10 Claims. (Cl. 106—308)

4. The method of improving the hiding power of a pigment which comprises mixing the pigment in an aqueous slurry with an alkali metal silicate in which the ratio of alkali metal oxide to SiO_2 is less than 5 to 7, and precipitating the silicate by means of aluminum sulfate, the amount of aluminum sulfate being in excess of that required to supply enough acid to satisfy the hydroxyl ions attributable to the alkali metal oxide of the alkali metal silicate, and adding a small amount of a water soluble substance selected from the class consisting of zinc, and alkaline earth metal oxides, hydroxides and salts, and alkali metal oxides and hydroxides in amounts sufficient to effect coagulation of the precipitate.

2,269,471
COLLAPSIBLE THEFTPROOF BOTTLE DISPLAY DEVICE
George F. Muendel, Rowayton, Conn.
Application December 19, 1938, Serial No. 246,615
9 Claims. (Cl. 211—8)

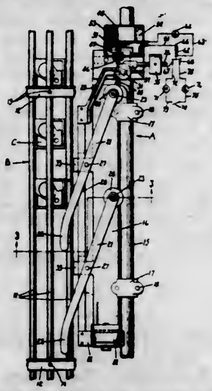


1. A display device for bottles or other containers, of the character described, comprising an upper main member having an aperture and a lower main member, said upper main member being adapted to support one or more bottles or other containers thereon, means for maintaining said main members in spaced, superimposed relationship to each other, means to hold said bottle or container captive on said upper main member comprising a member adapted to receive a portion of the bottle or container and having a part thereof adapted to pass through the said aperture and to engage the lower of said main members and be held thereby.

2,269,472
VULCANIZATION OF RUBBER
Arthur M. Neal, Wilmington, Del., and Bernard M. Sturgis, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 15, 1939, Serial No. 309,400
17 Claims. (Cl. 260—790)

1. Rubber having incorporated therein a small proportion of a combination of primary and secondary accelerators in which the primary accelerator is a member of the group consisting of 2-mercapto-thiazoline and carbon substituted 2-mercapto-thiazolines in which the substituents are selected from alkyl and hydroxyalkyl groups, and the secondary accelerator is a member of the group consisting of aldehyde-amines and aryl guanidines, there being from about 1 to about 50 parts of the primary accelerator to each part of the secondary accelerator in the combination.

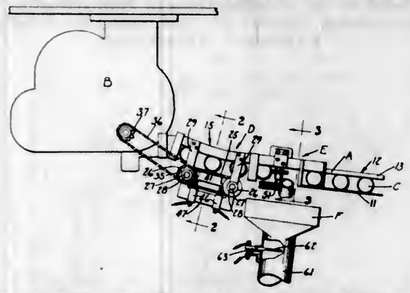
2,269,473
CAN LINE CONTROL MECHANISM
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 24, 1939, Serial No. 258,345
7 Claims. (Cl. 192—125)



1. In a machine control mechanism for cans, the combination of a runway along which cans pass from a can feeding machine, a plurality of movable disconnected spaced detector arms projecting into the path of travel of the cans passing through said runway, and means cooperating with said detector arms and responsive to movement thereof for controlling the operation of said feeding machine to prevent further feeding of cans into said runway when a blockade of the cans in the runway shifts and simultaneously holds said detector arms out of the path of travel of the cans.

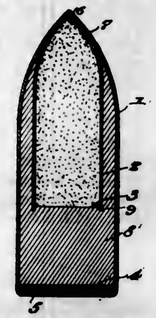
2,269,474
CAN RUNWAY
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 9, 1939, Serial No. 272,705
13 Claims. (Cl. 209—72)

1. In a runway for the passage of cans therethrough and comprising a closed section and an open section, the combination of magnetic means for holding the cans in suspended position while the same are passing through the open section of the runway, detector elements disposed adjacent the open section of said runway for detecting cans which are deformed out of round, ejector elements disposed adjacent the path of travel of said deformed cans for ejecting



the same through the open section of said runway, means responsive to and operable by said detector elements for actuating the ejector elements, and means for moving said cans past said detector elements.

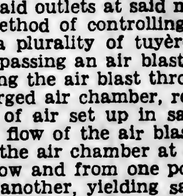
2,269,475
PROJECTILE
John Pomeroy, Melbourne, Victoria, Australia
Application May 29, 1939, Serial No. 276,467
7 Claims. (Cl. 102—30)



1. A projectile adapted to be projected with rotation about its axis, comprising an outer casing, a charge container in said casing and spaced from the inner walls thereof, a charge of nitroglycerine admixed with a detonation reducing carrier and from which the nitroglycerine is separated by centrifugal force after projection to render it susceptible to detonation upon impact, in said container, and a lining of lead interposed between the casing and the container, the heads of said casing and container being of substantially the same configuration and the head of said container being nested in the head of the said casing in contact therewith.

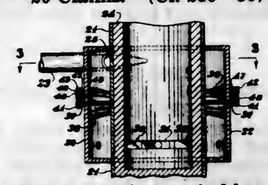
2,269,476
SELF-LOCKING SCREW
Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application January 21, 1941, Serial No. 375,183
7 Claims. (Cl. 151—14)

2. A self-locking screw device including a shank having a threaded locking section, and a leading section having a thread of normal root diameter adjacent said locking section, the thread of said locking section having a normal outer diameter and a substantially uniform root diameter which is greater than the maximum



root diameter of the thread on said leading section, whereby to lockingly impinge the complementary crown portion of the thread in a workpiece.

2,269,477
APPARATUS AND METHOD FOR MODIFICATION OF FLOW OF AIR, GASES, AND THE LIKE
Herbert A. Reece, Cleveland Heights, Ohio, assignor to Mechanite Metal corporation, a corporation of Tennessee
Application July 16, 1940, Serial No. 345,719
20 Claims. (Cl. 266—30)

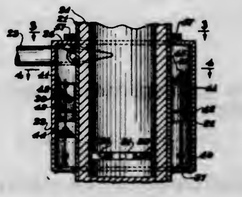


1. In a furnace having a wind box for supplying a blast of air to a plurality of tuyères, said wind box having an inlet adapted to communicate with a source of an air blast and having outlets in communication with said tuyères, a plurality of revolvable vane members positioned in said wind box intermediate of, and at a distance from, said inlet and said outlets and in the path of the air blast passing through the wind box, said vane members having radially extending vanes revoluble on substantially horizontally disposed axes, said vane members resisting said air blast and yielding thereto to revolve on said axes, respectively, the air blast revolving said vane members being modified in velocity to be supplied to said outlets at said modified velocity.

19. The method of controlling the flow of air supplied to a plurality of tuyères of a furnace, comprising: passing an air blast through a conduit, supplying the air blast through the conduit into an enlarged air chamber, resisting the tangential flow of air set up in said air chamber, resisting the flow of the air blast moving longitudinally of the air chamber at an angle to said tangential flow and from one portion of the air chamber to another, yielding said latter resistance in opposition to said first resistance, passing said air blast through said yielding resistance into said another portion of the air chamber, and supplying the air blast from said another portion of the wind box to said tuyères at velocities modified by said yieldable resistance.

2,269,478
APPARATUS AND METHOD FOR VARIABLE CONTROL OF AIR SUPPLY AND THE LIKE
Herbert A. Reece, Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation, a corporation of Tennessee
Application January 7, 1941, Serial No. 373,482
10 Claims. (Cl. 266—30)

1. In a furnace having a wind box forming a common distributing chamber for supplying blown air to the entrances of a plurality of tuyères communicating with said tuyères, said wind box having an inlet adapted to communicate with a source of said blown air, an air-flow modifying unit positioned in said wind box intermediate of, and at a distance from, said inlet and said entrances, said unit comprising a plurality of vertically disposed partitions dividing the cross-sectional area of the wind box into a plurality of separate and substantially vertical courses for the flow of air therethrough, closures



carried by the unit for closing off the flow of air through each of said courses, the closures for adjacent courses being alternately positioned adjacent opposite ends of the courses, adjustable means for adjustably positioning each of said closures relative to said partitions to open and close said courses, the variable selective opening and closing of said courses providing a variable modification of the air flow through said unit, and means for adjustably changing the spacing of said unit relative to the tuyère entrances to provide for varying air flow requirements.

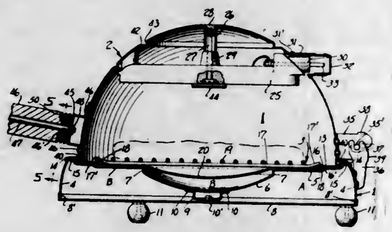
2,269,479
METHOD OF MAKING FABRICS
Raymond E. Reed, Chicago, Ill., assignor to The Kendall Company, Walpole, Mass., a corporation of Massachusetts
No Drawing. Application February 5, 1937, Serial No. 124,235
7 Claims. (Cl. 154—33)

1. That improvement in methods of making fabrics and similar fibrous structures which consists in dry-mixing textile fibers with cellulose acetate binder fibers having normally latent adhesive properties, performing said mixing operation while the adhesive properties of the binder fibers are in a latent condition, then unifying the mixture so produced by softening said binder fibers and causing them to bond with each other, and finally subjecting the unified fibrous body to an aqueous alkaline treatment and thereby converting said cellulose acetate fibers into fibers of higher cellulose content while preserving the textile fibers in their original fibrous form and maintaining the unified fibrous body and the bonds thereof substantially unimpaired.

2,269,480
COMBINED COOKING UNIT
William C. Rehm, Meriden, Conn., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware
Application December 6, 1939, Serial No. 307,749
9 Claims. (Cl. 53—5)

1. In a cooking unit of the character set forth, an invertible dome-like member carrying therein an electrical heating unit and having formed around the curved surface thereof a seating ring and a base provided with seating means for a grid plate and rack assembly when used as a re-

flector cooker unit and a seating means corresponding to the seating ring formed in the dome-



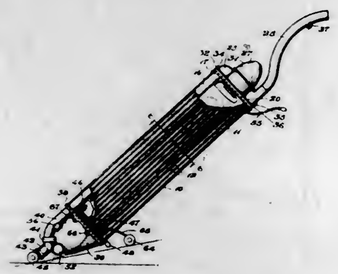
like member for supporting the same in an inverted position.

2,269,481
PRODUCTION OF COLORED PHOTOGRAPHIC IMAGES
John Hubert Reindorp, Ilford, England, assignor to Ilford Limited, Ilford, Essex, England, a British company
No Drawing. Application July 24, 1939, Serial No. 286,281. In Great Britain August 3, 1938
13 Claims. (Cl. 95—6)

2. A photographic color forming developer which comprises an aromatic amino developing compound and a color former of the general formula:

wherein R_1 and R_2 are groups selected from the class consisting of hydrogen atoms and substituted and unsubstituted hydrocarbon groups and heterocyclic groups, and R_3 is a group selected from the class consisting of substituted and unsubstituted hydrocarbon groups.

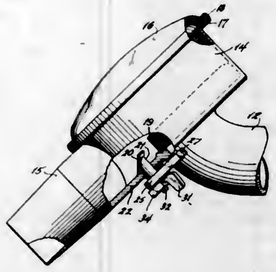
2,269,482
SUCTION CLEANER
Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application May 16, 1938, Serial No. 208,275
7 Claims. (Cl. 15—14)



1. In a suction cleaner, in combination, a stiff fluid-tight tubular outer casing provided throughout its interior with fixed closely spaced projections, and having an inlet for dust laden air, and an outlet adapted to be connected to a source of suction, a removable air filtering bag having its open end fitting the air inlet, said bag being adapted when inflated to contact said projections only, leaving air passages between the bag and the inner wall of the casing whereby a free flow of air from the casing inlet through the bag and to the casing outlet is insured at all times.

5. In a suction cleaner, a hollow handle grip portion, an air filter, a stiff non-porous receptacle for said filter communicating at one end with a source of suction, a top plate for said receptacle having a large opening to permit insertion of said filter and a smaller opening adjacent the larger opening, said filter having a flange at its mouth portion resting on said top plate, a suction pipe extending lengthwise of said receptacle with one end passing through the smaller opening, an open topped valve casing member supported upon said plate, and having three other openings, one communicating with the interior of said filter, a second communicating with said longitudinally extending pipe, and a third communicating with a hollow handle grip portion, and a rotatable valve cap member fitting the top of said casing, and adapted to be moved to selectively connect either the longitudinally extending pipe or the handle grip portion with the interior of the filter.

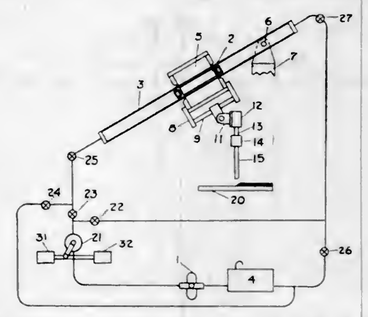
2,269,483
DUST FLOW INDICATOR FOR SUCTION CLEANING DEVICES
Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application February 28, 1941, Serial No. 381,200
6 Claims. (Cl. 302—65)



1. In a suction cleaning system, a dust indicator comprising a cylindrical chamber having an inlet for dust laden air in the cylindrical wall of the chamber and an outlet opening at the bottom thereof, a transparent window located opposite the outlet opening, deflecting means located adjacent the inlet opening adapted to direct air and dust onto the window, and means for angularly adjusting said deflecting means to cause whirling movement of the air about the axis of the cylindrical chamber.

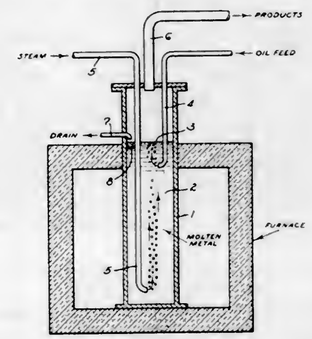
2,269,484
AUTOMATIC ARC WELDING MACHINE
Bela Ronay, Annapolis, Md.
Application December 14, 1938, Serial No. 245,649
6 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An arc-welding machine comprising an electrode, an electrode carrying means comprising a solenoid having the electrode adjustably attached thereto, a trackway for said solenoid comprising a hollow tube of non-magnetic material,



a piston of magnetic material movable within said tube, means to move said piston, and means to energize said solenoid, said solenoid when energized following the movements of said piston along said tube.

2,269,485
PROCESS FOR THE CONVERSION OF ASPHALTIC HYDROCARBONS
Vaino A. Salmi, Culver City, Calif., assignor to Metallytic Corporation, Los Angeles, Calif., a corporation of California
Application January 9, 1940, Serial No. 313,034
10 Claims. (Cl. 196—70)



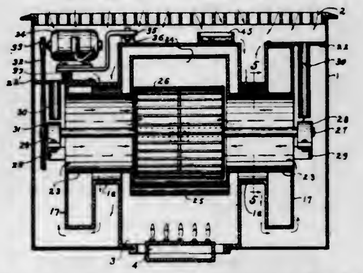
1. A method of converting asphaltic hydrocarbon of the character described to lubricating oil, comprising the steps of: bringing said asphaltic hydrocarbon into substantially momentary contact with a body of molten metal maintained at such a temperature in the range of 450° to 550° C. that said asphaltic hydrocarbon will be brought to a temperature within the range of 275° to 375° C.; and disengaging the asphaltic hydrocarbon and resulting converted products brought to said temperature from further contact with the molten metal by volatilization and atomization in a concurrent flow of both volatilized and nonvolatilized portions with steam so adjusted that substantially no converted or unconverted asphaltic hydrocarbon is left in contact with the molten metal for periods exceeding the desired momentary contact.

2,269,486
SELF-SEALING GASKET
Paul A. Santoro, Bronx, N. Y.
Application July 15, 1941, Serial No. 402,543
1 Claim. (Cl. 288—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A gasket for high pressure pipe lines comprising a pair of metallic rings welded together around their outer circumferences and adapted to be clamped between two pipe sections, a liner disposed on each side of said pair of rings, said rings having a plurality of concentric ribs on their axially outer surfaces and one of said rings having a plurality of concentric annular grooves formed in its axially inner surface and a plurality of radial grooves intersecting said annular grooves for establishing communication between the interior of said sections and said annular grooves, whereby said rings may spring axially in response to pressure in the pipe line and to cause said ribs to bite into said liners and form intimate sealing contact with the adjacent ends of said pipe sections.

2,269,487
HEATER
Paul P. Scheurer, Wichita Falls, Tex., assignor to F. A. F. Heater Corporation, Dallas, Tex.
Application February 17, 1939, Serial No. 257,006
10 Claims. (Cl. 126—110)

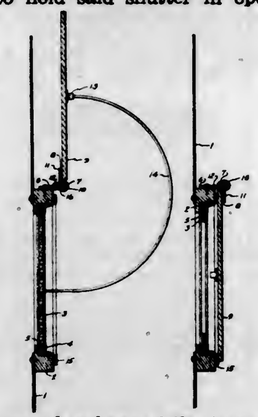


1. A hot air heater comprising a casing having a grill over the top thereof adapted for disposal at the floor line, a combustion chamber in said casing and having a heating chamber disposed therein, a conduit extending laterally from said combustion chamber for products of combustion, and an air conduit communicating with the grill and receiving air therefrom, said air conduit extending through the first-mentioned conduit to the heating chamber and connected therewith for directing said air from the grill into said heating chamber.

2,269,488
AUTOMATIC SAFETY SHUTTER
Edward H. Schwartz, Dayton, Ohio
Application January 19, 1940, Serial No. 314,658
5 Claims. (Cl. 20—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A sealing shutter for use in connection with a window in a structure, the atmosphere of which is maintained at a predetermined pressure, comprising means for attaching said shutter to said structure, means for urging said shutter into a

closed position, and means carried by said shutter and engaging the transparent portion of said window to hold said shutter in open position,



whereby, upon breakage of the transparent portion of said window, said auxiliary window is moved into closed position.

2,269,489

CONTRAST AGENT FOR X-RAY DIAGNOSES

Erwin Schwenk, Montclair, N. J., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application October 11, 1938, Serial No. 234,403. In Germany September 25, 1929

2 Claims. (Cl. 167—95)

1. A contrast agent especially useful for rendering the urogenital system less pervious to X-rays, comprising essentially a water-soluble pyridine carboxylic acid salt containing as a further substituent in the nucleus a member of the group consisting of bromine and iodine joined directly to nuclear carbon in non-ionizing form, said agent being adapted for direct injection into the human blood stream and readily conveyable by the blood stream to the urogenital system, and being non-toxic and stable in its passage through the human system.

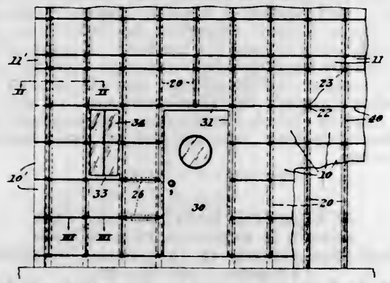
2,269,490

BUILDING CONSTRUCTION

Edwin E. Slick, Pittsburgh, Pa.

Application February 20, 1939, Serial No. 257,298

18 Claims. (Cl. 72—16)



1. In a building construction having load-supporting side wall portions and an opening therebetween, a panel of glass or similar material covering the opening, said panel having means interfitting with said side wall portions and mounting said panel upon a plane representing surface portions of a side of the building wall, and means removably securing said panel to said side wall portions after it has been positioned thereon, said panel being positioned beyond load-carrying portions of the wall.

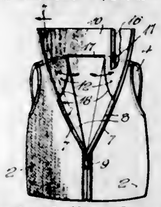
2,269,491

SPORT SWEATER

Paul Snyder, Baltimore, Md.

Application June 5, 1940, Serial No. 339,031

1 Claim. (Cl. 2—90)



In a garment of the character described, a body open at its front and having back and front sections cooperating to form a neck opening, a knitted collar formed from a substantially rectangular blank having integral extensions depending from its end portions with their outer side edges aligned with end edges of the blank, the front edge of the blank extending horizontally between upper ends of the extensions and terminating at upper ends of inner side edges of the extensions, said blank being folded midway its front and rear edges to dispose its front and rear edges flush with each other and form the collar with inner and outer plies having their upper edges integrally united and providing the collar with a smooth and rounded edge, the lower edge of the outer ply being seamed to upper edges of the back and front sections about the neck opening and terminating flush with upper ends of side edges of the front sections, the inner ply being seamed along its lower edges between the extensions to the upper edge of the back with the extensions extending downwardly against inner surfaces of upper portions of the front sections at opposite sides of the front opening of the body and stitched along their side edges to the upper sections, interengageable fastener members extending along side edges of the front sections and along registering end edges of the inner plies of the collar, and a slide member for moving the fastener members into and out of engagement with each other.

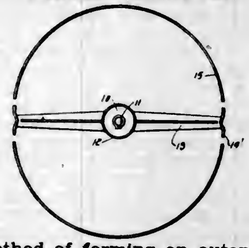
2,269,492

METHOD OF MAKING STEERING WHEELS

Charles E. Sorensen, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application June 16, 1939, Serial No. 279,511

1 Claim. (Cl. 219—10)



The method of forming an automobile steering wheel which comprises the steps of forming

an integral central member including a hub, a pair of opposed radial arms extending therefrom, and a pair of ears extending circumferentially from the extreme outer end of each of said arms, forming a pair of wire reinforcements to arcuate shapes, said reinforcements extending through substantially 180° of arc, arranging one of said reinforcements on each side of said central member so that opposite ends of said reinforcements are in contact with the opposite ears on each side of said central member, impressing forces on said reinforcements substantially in the line of said extending ears tending to maintain such contact throughout the welding operation and applying a suitable butt-welding current to said reinforcements and said central member, whereby said reinforcements and said central member are joined together and abutting portions of said reinforcements and said ears are consumed as flash in said welding operation, the extent of said ears being so proportioned that after such diminution due to flash, the resultant wheel is substantially circular.

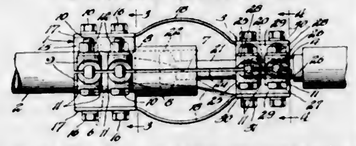
2,269,493

SLIDE JOINT

Cyril H. Thomas, Flossmoor, Ill., assignor to Royal Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1940, Serial No. 337,352

5 Claims. (Cl. 173—324)



4. A slide joint for electrical conductors, said joint comprising a pipe member of uniform internal diameter and a stud member, said pipe member having a slot extending longitudinally therethrough, means at one end of the pipe member for drawing the opposite surfaces of the slot towards one another to clamp the pipe member to a conductor, the opposite end of the pipe member comprising means for receiving the stud, the stud having means at one end slidably engaging the pipe member, and flexible conducting means electrically shunting the sliding connection.

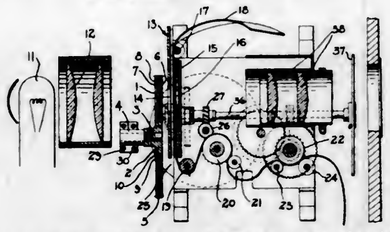
2,269,494

HEAT RETARDING DEVICE AND METHOD OF MAKING THE SAME

Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application December 24, 1938, Serial No. 247,718

6 Claims. (Cl. 88—24)



1. A heat screen of relatively thin sheet-like material for projection apparatus, whose analysis may be expressed as P_2O_5—52 to 77%; material selected from the group consisting of CaO, BaO, SrO—0.1 to 12%; material from the group consisting of K_2O, Na_2O, Li_2O—0.1 to 10% and material from the group consisting of Al_2O_3, BeO and mixtures of Al_2O_3 and BeO—5 to 20% and $Fe_3(PO_4)_2.8H_2O$—1 to 10%, which will permit the transmission of approximately 85 to 90% of the visible rays projected on said material and which will permit the transmission of colored light while maintaining substantially unaltered the true color value of said light.

2,269,495

BINDER

Emory A. Trussell, Milwaukee, Wis.

Application June 27, 1938, Serial No. 215,999

19 Claims. (Cl. 129—1)



1. In a temporary binder, a guide rail having an upstanding portion defining an elongate beaded edge, and sheet connecting means comprising a plurality of aligned split rings having one set of their corresponding ends secured to an elongate strip, this strip having a turned marginal edge arranged for axial sliding movement onto and from said beaded edge, but retained against lateral movement from the bead, whereby the sheets may be selectively associated with the guide rail or simultaneously removed from the guide rail and retained in connected relation by said rings.

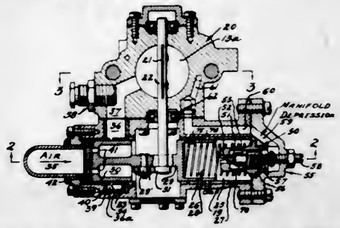
2,269,496

ENGINE DECELERATION CONTROL

Albert G. H. Vanderpoel, Los Angeles, Calif., Karl W. S. Ostling, Cleveland, Ohio, and David Firth, Flint, Mich., assignors to California Machinery & Supply Co., Ltd., Los Angeles, Calif., a corporation of Delaware

Application November 19, 1940, Serial No. 366,238

14 Claims. (Cl. 137—153)



1. In a deceleration controls for internal combustion engines, which have a cut-off valve in a fuel intake suction passage of the engine, a cylinder and a piston therein adapted to be actuated in one direction by suction passage depression to close the cut-off valve, yielding means actuating the piston in a valve opening direction, a pilot valve actuatable by suction passage depression to open and apply depression to the piston, and yielding means acting to close the pilot valve except when the depression reaches an abnormal value higher than that of normal idling; the improvement which comprises valvular means actuated by virtue of piston travel to apply suction passage depression directly to the piston, independently of the pilot valve, as the piston approaches and reaches its position in which the cut-off valve is closed.

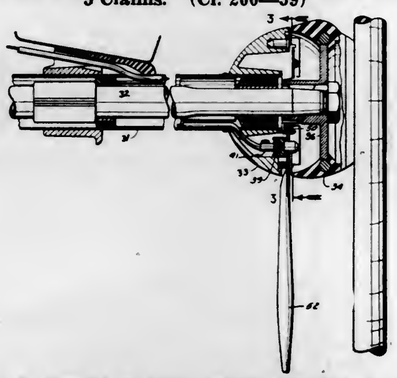
2,269,497
NICKEL-PLATINUM ALLOY
Michel B. Vilensky, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application August 26, 1940, Serial No. 354,248
4 Claims. (Cl. 75—170)

1. An alloy comprising 75 to 99.5% nickel, .5 to 25% platinum, and manganese in amounts of approximately .5 to 2%.

2,269,498
AMINES OF FOURTH GROUP METAL HALIDES
Eugene Wainer, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 11, 1939, Serial No. 273,058
7 Claims. (Cl. 260—429)

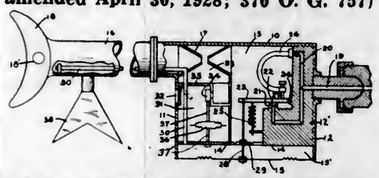
1. As a new composition of matter, a compound having the formula $(AmX)_4M(Am)_4$, where Am represents an organic amine, X a halogen, and M a metal of the fourth group of the periodic system.

2,269,499
MOTOR VEHICLE TURN INDICATOR SWITCH
John J. Wharam, Dearborn, and Ernest F. Hohwart, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 24, 1940, Serial No. 342,006
5 Claims. (Cl. 200—59)



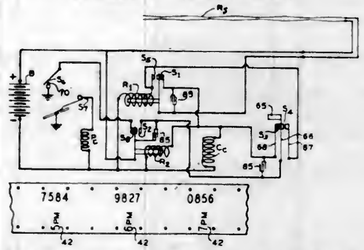
1. A turn indicator switch adapted to be mounted adjacent to the steering wheel of a motor vehicle and to be manually moved in either direction from a neutral position to an indicating position and to be normally returned from either of said indicating positions by the return movement of said steering wheel to a straight ahead direction comprising, an arm pivotally mounted beneath said steering wheel, an operable switch disposed adjacent to said arm, one member of said switch being stationary and the other connected to said arm so that when said arm is moved in either direction from a neutral position said switch will be operated, a switch operating member fixed to said steering wheel, a shoe mounted upon said arm in alignment with said operating member, a spring resiliently urging said shoe toward said operating member so that movement of said arm to each of its operative positions will cause said shoe to engage said operating member, said shoe being so shaped that return movement of said steering wheel to a straight ahead direction will move said engaged shoe and associated arm back to said neutral position, and means operable between said arm and said stationary portion, whereby the tendency to return may be overruled and said switch maintained in an indicating position.

2,269,500
RESPIRATORY APPARATUS
William A. Wildhack, Arlington, Va.
Application December 2, 1939, Serial No. 307,240
17 Claims. (Cl. 128—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



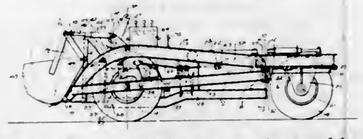
15. A respiratory apparatus comprising a casing having a receiving chamber therein communicably connected with a source of respirant gas under pressure; a conduit communicating with said chamber and extending to a respiratory zone located remote thereto; valve means for controlling communication between said chamber and said source; pressure responsive means sealed from the outer atmosphere and from said receiving chamber and communicating separately with said respiratory zone through a control tube extending from a position adjacent the respiratory zone to the interior of the control chamber for operating said valve means in response to breathing suction, and means responsive to the pressure of the atmosphere for admitting air from the outer atmosphere into said apparatus.

2,269,501
TRAFFIC COUNTING APPARATUS
George G. Wiley, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1937, Serial No. 159,877
3 Claims. (Cl. 235—92)



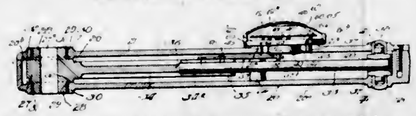
1. Traffic counting apparatus adapted to count high speed traffic comprising in combination an electrical device responsive to the passage of the vehicle and including an impulse circuit momentarily closed by the passage of the vehicle, electrically actuated counting apparatus controlled by said impulse circuit and responsive to successive impulses from said circuit, a source of electric current for said counting apparatus, a low resistance holding circuit including said current source and counting apparatus, means controlled by said electrical device for closing said holding circuit to maintain said counting apparatus energized independently of said impulse circuit until completion of the operation of the counting apparatus, a protective switch in said holding circuit, and means including a high resistance relay for opening said switch adapted to be energized during the operation of said apparatus to prevent prolonged flow of current through said holding circuit.

2,269,502
AUTOMOTIVE DIGGING, GATHERING, CARRYING, AND LEVELING SCRAPER
Fred D. Wilson and Leonard S. Burns, Aurora, Ill., assignors to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Application May 11, 1938, Serial No. 207,360
13 Claims. (Cl. 37—124)



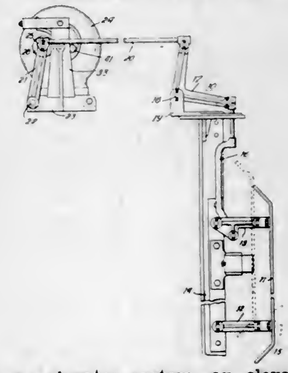
1. In a self-propelled scraper, in combination, a main and auxiliary frame, a scraper bowl mounted at one end of the auxiliary frame and a rotatable steering wheel mounted on and supporting the opposite end, power means and a sub-frame mounted on the main frame, independently controlled power driven wheels with clutching, declutching and braking means at the back of the scraper bowl supporting one end of the main frame and the opposite end of said main frame connected to the auxiliary frame for oscillating movement, means mounted on the main frame and connected to the auxiliary frame for raising and lowering the auxiliary frame and the scraper bowl, an operator's station mounted on the main frame with independent control means for raising, lowering and emptying the scraper bowl and to control the steering of the rotatable steering wheel and to independently or simultaneously control the rotation, clutching, declutching and braking of the power driven wheels.

2,269,503
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co. North Chicago, Ill., a corporation of Illinois
Application May 31, 1938, Serial No. 210,869
23 Claims. (Cl. 265—1)



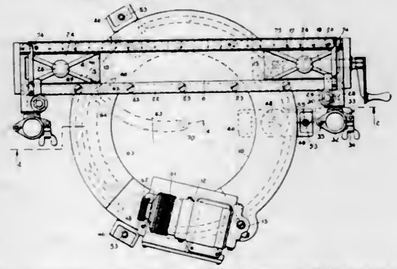
1. A torque measuring wrench comprising an elongated head member, a work-engaging member rotatably mounted in said head member at the front end thereof and having a part exteriorly accessible for connection with the work, a rigid arm on said work-engaging member extending rearwardly within said head member and having a longitudinal opening of predetermined size leading from its rear end toward the axis of rotation of said work-engaging member and at right angles thereto, said arm also having at least one vent opening connecting the inner end of said opening to atmosphere, an elongated spring bar in said head member and having one end shaped similarly to said arm opening and fitted therein so that such bar end extends substantially to the inner end of said arm opening, means connecting the other end of said spring bar to said head member so that said spring bar serves as the sole means opposing relative movement between said members, and means for associating one of said members with an indicating means adapted for measuring relative movement between said members in a manner to indicate pressure applied to the work.

2,269,504
OPERATING MECHANISM FOR ELEVATOR RETIRING CAMS
Carl J. Anderson, Chicago, Ill., assignor to C. J. Anderson & Co., Chicago, Ill., a corporation of Illinois
Application March 18, 1940, Serial No. 324,700
9 Claims. (Cl. 187—51)



1. In an elevator system, an elevator cab, a retiring cam carried by said cab and adapted to cooperate with door locks in the elevator hatchway, a motor, mechanism connecting said motor and cam whereby the same may be extended and retracted and means for introducing lost motion into said connections when the mechanism is operated by said motor to operate the cam into its retracted position, said means being operative to operate said mechanism to advance said cam without said lost motion.

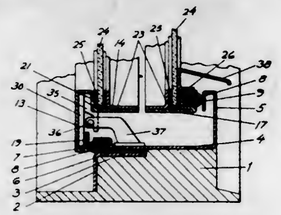
2,269,505
CIRCLE CUTTING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1940, Serial No. 333,718
11 Claims. (Cl. 266—23)



1. A circle cutting machine comprising an annular frame with three legs for stably supporting

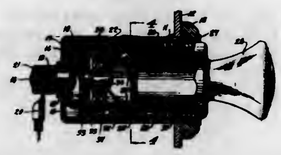
and positioning the machine on the surface of the work, a torch-supporting frame that fits over the annular frame and turns on said annular frame as a bearing, and driving means including a motor carried by the torch-supporting frame and mechanism operated by the motor for moving the torch-supporting frame on said annular frame.

2,269,506
FRAME CONSTRUCTION FOR DOORS OR WINDOWS
Nore Andersson, Goteborg, Sweden, assignor to Aktieboleget Götaverken, Goteborg, Sweden, a corporation of Sweden
Application June 22, 1938, Serial No. 215,091
In Sweden November 5, 1936
4 Claims. (Cl. 189—69)



1. A door or window structure including hinged and fixed frames, at least one of the frames being of sheet metal having an L-shaped cross-section with one leg of the L disposed perpendicular to the door or window plane and the other leg directed towards the adjacent frame member cooperating therewith, the sheet metal of said other leg being bent over at least 180° at the free longitudinal edge of said leg and directly cooperating at said bent and thus strengthened edge portion with a portion of said adjacent frame member.

2,269,507
CIGAR LIGHTER
Gustave F. Bahr, Fairfield, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 20, 1937, Serial No. 154,546
10 Claims. (Cl. 219—32)



1. In an electric cigar lighter, a holding device; an igniting unit mounted in the holding device and removable therefrom for use; the igniting unit having a conducting cap thereon; a heating element mounted on the conducting cap but electrically insulated therefrom; means for energizing the heating element operative by solely manual movement of the igniting unit on the holding device; and switch means for connecting the heating element to the conducting cap, said switch means comprising a bimetallic element connected to the heating element and normally biased into contact with the conducting cap.

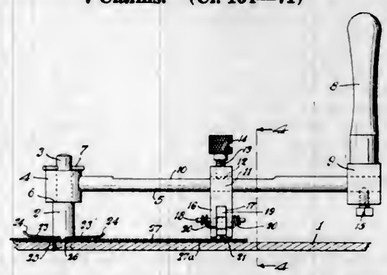
2,269,508
ZINC ALUMINATE PIGMENT AND PAINT AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application March 16, 1939, Serial No. 262,175
12 Claims. (Cl. 23—52)

7. The method of making an essentially pure, opaque, white, pigmentary zinc aluminate which consists in making an intimate mixture of zinc oxide and gamma aluminum oxide and then heating the mixture in the temperature range 750° C. to 1400° C. until said zinc aluminate is formed.

2,269,509
PLASTIC COMPOSITION
Michael J. Batelja, Portland, Oreg.
No Drawing. Application March 5, 1938, Serial No. 194,177
1 Claim. (Cl. 106—150)

The process of compounding a plastic material consisting of pulverizing oats, mixing the pulverized oats in water in the proportion of one pound of oats to twenty pounds of water, heating the mixture of oats and water to 212° F. until the mixture assumes a jelly-like consistency, adding approximately one-sixteenth ounce sassafras oil as a mold retardent, and adding not more than four pounds of fibrous material to bring the product to the desired consistency for application.

2,269,510
DISK CUTTING MACHINE
Jesse G. Bates, Chicago, Ill.
Application January 21, 1941, Serial No. 375,305
7 Claims. (Cl. 164—71)



1. In a trimming device for disks having a central aperture with slots extending radially therefrom, a disk support, a centering pin adapted to penetrate the central aperture of such a disk, clip members located on said support adjacent said pin, and adapted to penetrate the radial slots of such a disk, a cutter supporting arm mounted for rotation concentric with said disk, a cutter on said arm, and means for imparting relative movement to cutter and disk and for thereby circumferentially cutting said disk.

2,269,511
PREFORMED SHOW-KERCHIEF
Peter Biederman, Brooklyn, N. Y.
Application September 24, 1940, Serial No. 358,082
6 Claims. (Cl. 35—56)

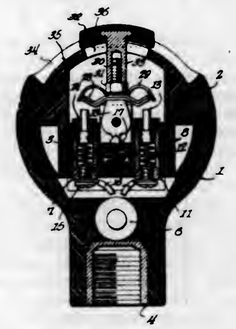
1. A preformed show-kerchief, comprising a flat sheet material pocket having its mouth opening at the bottom, a preformed kerchief mounted on the top portion of said pocket and extending upwards, a rigid support engaged into said pocket and extending downwards from the mouth

thereof, said rigid support comprising a pair of adjacent rigid sheets, and means for holding



said pair of rigid sheets in various relatively extended positions.

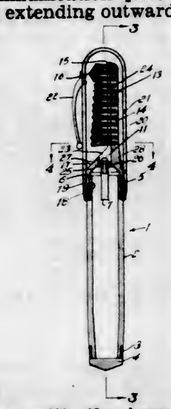
2,269,512
SWITCH CONSTRUCTION FOR AUTOMOTIVE VEHICLES
Bornett L. Bobroff, Racine, Wis.
Application September 22, 1938, Serial No. 231,095
6 Claims. (Cl. 200—59)



1. A signal switch for an automotive vehicle having a control lever, said signal switch comprising a base section having means for attachment to a control lever, a top section constituting with said base section the operating handle for said control lever, and a switch section carried wholly by said top section, means for securing said top and base sections together, and signal switch mechanism carried by said switch section and including an interiorly located rocking means and a rock lever projecting through said top section and having a manipulating member accessible exteriorly of said top section for operating said switch mechanism said rock lever and said rocking means having cooperating interlocking means and said rock lever being insertable from the upper side of said top section and being interlocked to said rocking means after said insertion.

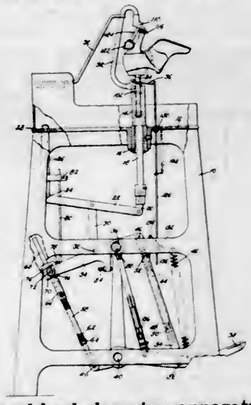
2,269,513
TOOTHBRUSH
James Albert Born and Richard Carle Dunker, Los Angeles, Calif.
Application April 6, 1940, Serial No. 328,290
1 Claim. (Cl. 15—138)

A fountain tooth brush comprising a barrel open at one end, a web extending diametrically across said open end of said barrel, a valve secured on the outer end of said web, a valve-seat member formed with a valve seat and a bore leading outwardly therefrom, said valve-seat member being threaded on the outer end of said barrel, whereby said valve seat may be moved against or away from said valve to shut off or provide communication past said valve, and a tooth brush extending outwardly from said valve-



seat member with the bore of said valve-seat member leading to the bristles of said brush.

2,269,514
SHOE AND HEEL CLAMPING APPARATUS
Francis L. Brandt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 29, 1939, Serial No. 311,624
8 Claims. (Cl. 12—125)

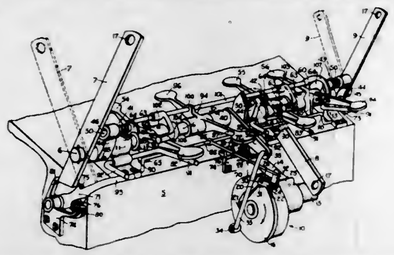


1. Shoe and heel clamping apparatus comprising a support, a clamp upon said support having opposed, relatively movable shoe and heel engaging members, movable means for exerting a thrust upon one of said members, and mechanism for moving the thrust exerting means first rapidly into engagement with one of the work engaging members and then more slowly and powerfully to cause said member to exert clamping pressure upon the work.

2,269,515
POWER LIFT MECHANISM
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 13, 1940, Serial No. 334,831
26 Claims. (Cl. 97—244)

1. A power lift device comprising a rock shaft, means for rocking the shaft, a lifting arm sup-

ported on said shaft for swinging movement relative thereto, and optionally controllable means



for connecting the lifting arm with the rock shaft to rock therewith.

2,269,516

IRON BLUE PIGMENT AND METHOD OF MANUFACTURE

Thomas P. Brown, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application May 22, 1940, Serial No. 336,588
5 Claims. (Cl. 106—304)

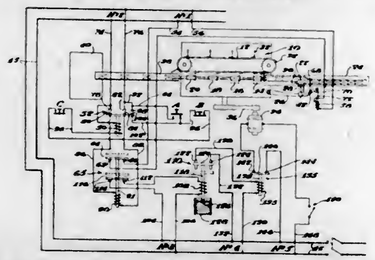
1. An iron blue of improved alkali resistance, comprising a pigment ferric ferrocyanide containing 1% to 10% by weight of film-forming alkali metal boriphosphate uniformly distributed through the pigment.

2,269,517

CONTAINER HANDLING MACHINE

George F. Burton, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application November 16, 1939, Serial No. 304,654
7 Claims. (Cl. 192—125)



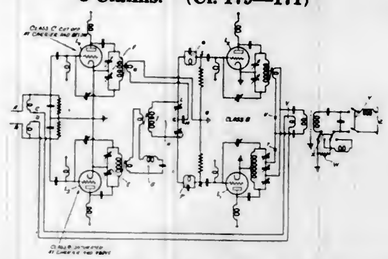
1. An automatic container handling machine having, in combination, a container supply means including a continuously driven supply belt for conveying the containers in a line and in contiguous relation, a stop for holding the line of containers, and a pusher arm adapted to be intermittently operated for periodically releasing successive foremost cartons from said line in timed relation to be received by the machine, driving means including a single electric motor, and control means for discontinuing the operation of the machine adapted to first discontinue the supply of containers to the machine while permitting the latter to continue at the normal rate of speed and then after a predetermined time has elapsed, sufficient to clear the machine of containers being processed, to discontinue the operation of the machine, said control means comprising a circuit including a solenoid operated latch adapted for interrupting the supply of containers, and a circuit including a time delay relay for discontinuing the power supply to said single electric motor.

2,269,518

AMPLIFICATION

Henri Chireix and Jacques Fagot, Paris, France, assignors to Compagnie Generale de Telegraphic Sans Fil, a corporation of France

Application February 24, 1940, Serial No. 320,532
In France February 25, 1939
5 Claims. (Cl. 179—171)



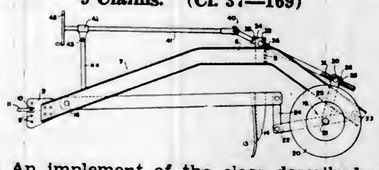
3. In combination with a source of amplitude modulated carrier voltage, an amplifier comprising two tubes having input electrodes and having output electrodes associated with utilization means, a class B stage having an input excited by voltages from said source of amplitude modulated carrier voltage and having an output, a coupling for applying voltages amplified by said class B stage from its output in phase displaced relation to the input electrodes of said two tubes, a class C stage having an input excited by voltages from said source of amplitude modulated carrier voltage and having an output, a coupling for applying voltages amplified by said class C stage from its output substantially cophasally to the input electrodes of said two tubes, and phase shifting means in one of said couplings.

2,269,519

LAND LEVELER

George A. Christenson, Bell, Calif., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California

Application March 14, 1940, Serial No. 323,913
9 Claims. (Cl. 37—169)



2. An implement of the class described comprising a frame, a tool carrying beam having one end thereof pivotally connected with said frame for vertical swinging, and ground engaging support means connecting the frame with the other end of the tool beam whereby the weight of the latter is counterbalanced by the weight of the frame.

2,269,520

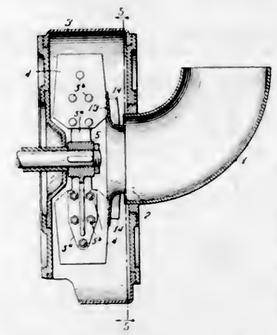
FAN WHEEL

Joe Crites, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application December 18, 1939, Serial No. 309,865
5 Claims. (Cl. 302—37)

1. A fan wheel assembly for receiving ground

material in air delivered to it axially and for delivering the material under pressure comprising open main blades, a material receiving plate having a central air opening secured to the material receiving edges of the blades and adapted to impede the axial movement of the delivered ma-



terial, supplemental blade members secured to the said plate the outer ends of which terminate short of the outer ends of the main blades, and a common housing for both main blades and supplemental members having a single inlet for air and material adjacent and coaxial with said receiving plate.

2,269,521

PLASTIC PRODUCT AND METHOD OF MANUFACTURE

William A. Darrah, Chicago, Ill.

No Drawing. Application February 1, 1940, Serial No. 316,815
2 Claims. (Cl. 41—19)

1. An article of manufacture formed from colored plastic material having a curved surface, a portion of said surface being formed with closely spaced groups of curved lines arranged to produce a visible color spectrum effect which varies at different angles of vision and is influenced by the super-imposed color of the plastic base.

2,269,522

HIGHWAY GRATING

Harry C. Dreibuss and Fred H. Spenner, St. Louis, Mo., assignors to Scullin Steel Co., St. Louis, Mo., a corporation of Missouri

Application June 17, 1940, Serial No. 340,960
4 Claims. (Cl. 94—30)



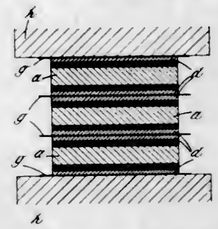
1. A highway drainage grating comprising side members connected by two series of spaced cross members having their tops substantially flush with the tops of said side members and their end portions extended downwardly below the bottoms of said side members, the cross members of one series alternating with those of the other series, the depth of the cross members of one series being substantially uniform between the downwardly extended end portions thereof, the cross members of the other series increasing in depth from their downwardly extended end portions to points midway of their length.

2,269,523

PROCESS FOR CLADDING METALS AND THE PRODUCT THEREOF

Siegfried Deutsch, Brussels, Belgium, assignor to Ellis Miller, Brussels, Belgium

Application April 8, 1939, Serial No. 266,865
In Austria May 31, 1937
26 Claims. (Cl. 29—189)



1. The process of making a composite metal cladded body which comprises plating the surface of a base metal sheet with nickel, plating the surface of a cladding metal sheet with nickel, superposing a layer of a high copper content metal upon the nickel plated surfaces of both the base and cladding sheets, superposing said base and cladding sheets with their copper surfaces contiguous, and heating under heavy diffusion pressure the pack so formed at a temperature sufficiently high to cause the plating metals to form a diffusion bond between the base sheet and the cladding sheet.

2,269,524

SYNCHRONIZING-SIGNAL SEPARATING APPARATUS

George William Edwards, Wembley, England, assignor to Hazeltine Corporation, a corporation of Delaware

Application November 17, 1939, Serial No. 304,939
In Great Britain November 30, 1938
12 Claims. (Cl. 178—7.5)



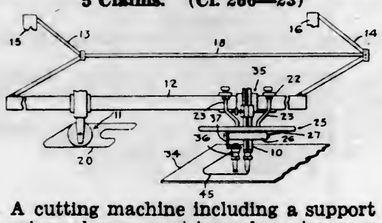
1. A television synchronizing-signal separating system adapted to be energized by a composite scanning synchronizing signal including line-synchronizing pulses and field-synchronizing pulses of the same polarity as, but having a greater duration than, said line-synchronizing pulses comprising, means for deriving from said composite signal a signal having impulses corresponding in time with impulses of the field-synchronizing pulses of said composite signal, means including a time-constant circuit effective to suppress amplitude variations of duration appreciably less than the duration of said field-synchronizing pulses for developing a substantially continuous pulse initiating at the initiation of said field-synchronizing pulses and having a duration at least as great as any of said field-synchronizing pulses, means for combining said derived signals with such relative polarities that predetermined desired impulses occurring during said derived pulse are additive thereto, and a field-scanning circuit responsive only to amplitude values of the combined signal above a predetermined amplitude level.

2,269,525
CARBON PAPER CONTAINER
Nathan Fleischer, Brooklyn, N. Y.
Application December 16, 1938, Serial No. 246,085
4 Claims. (Cl. 206—57)



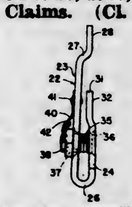
1. A container for loose paper sheets comprising a box body adapted to contain a pack of paper sheets, a relatively stiff cardboard cover fitting over said body, a depressible hinge flap struck out from said cover, and an adhesive substance provided on the underside of said hinge flap whereby manual downward swinging movement of said flap will cause said adhesive substance to contact the uppermost sheet of a pack of sheets for separation therefrom upon subsequent upward tilting of said cover.

2,269,526
APPARATUS FOR CUTTING METAL
James F. Fransen, Chicago, Ill., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 3, 1939, Serial No. 302,700
5 Claims. (Cl. 266—23)



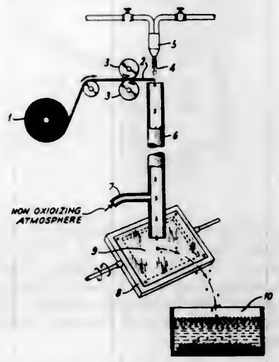
1. A cutting machine including a support that has universal movement in a plane, tracer means for moving said support in accordance with the outline of a pattern, a cutting torch holder connected in a fixed position on the support, a wheel connected with the support and rotatable independently of the cutting torch about an axis, and a heating torch holder carried by the wheel and movable upon rotation of the wheel into position to locate the heating torch behind the cutting jet and to one side of the path followed by the cutting jet.

2,269,527
CUTTING APPARATUS
Carl J. Frederiksen, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 27, 1940, Serial No. 342,679
12 Claims. (Cl. 56—305)



1. A knife clip for a cutter bar comprising a unitary plate member folded upon itself to provide two sickle engaging surfaces on the ends of said plate.

2,269,528
METHOD OF MANUFACTURING METAL SPHERES
John L. Gallup, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,847
3 Claims. (Cl. 83—91)



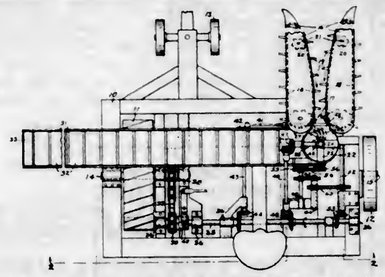
1. Apparatus for manufacturing small metal particles comprising a source of metal to be melted, means to melt the metal into relatively large particles, said means being elevated so that upon melting the particles of metal immediately drop through space, means to intercept the particles which drop through space while the particles are still in a molten state, said means comprising an inclined base of heat insulating nonmetallic resilient material of sufficient thinness as to be flexible under the impinging particles causing the particles to rebound and subdivide into smaller particles.

2,269,529
EMULSIFIER AND EMULSION
Henry Arnold Goldsmith, Bronx, N. Y., assignor to Harry Bennett, Woodmere, N. Y.
No Drawing. Application June 15, 1940, Serial No. 340,847
14 Claims. (Cl. 252—310)

1. An emulsifier comprising a higher fatty acid ester of a polymerized polyhydric alcohol, the hydroxyl content of the polymerized polyhydric alcohol being substantially completely esterified, the fatty acid represented in the ester being non-polymerized and non-oxidized, and the polymerized polyhydric alcohol represented having an average molecular weight of at least approximately 500.

2,269,530
CORN CUTTER AND LOADER
David H. Grant, Seattle, Wash.
Application March 19, 1941, Serial No. 384,086
6 Claims. (Cl. 56—60)

1. In a harvester for tall row crops, a wheel supported frame; a relatively long upright receptacle carried by said frame and open at the front side to receive upright stalks of vegetation; a plurality of cutter members provided at vertically spaced apart intervals in the receptacle to cut the vegetation into pieces; and

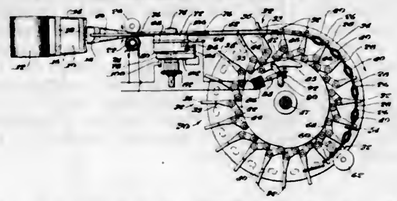


means at the lower end of the receptacle for removing the cut vegetation.

2,269,531
PROCESS OF PREPARING DYESTUFFS OF THE DIOXAZINE SERIES
Heinrich Greune, Frankfort-on-the-Main, Gerhard Langbein, Hofheim, Taunus, and Max Thiele, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 26, 1940, Serial No. 342,502. In Germany July 12, 1939
4 Claims. (Cl. 260—246)

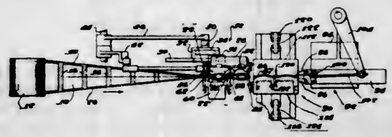
1. The process which comprises heating a dioxazine compound containing sulfonic acid groups and at least one substituent of the group consisting of the carboxylic acid group and groups which are saponifiable to the carboxylic acid group in an aqueous mineral acid until a test shows that a sample which is washed neutral is no longer soluble in hot water but is soluble in dilute aqueous alkali.

2,269,532
METHOD OF AND APPARATUS FOR PRODUCING INDIVIDUAL TEA BAGS
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 14, 1941, Serial No. 383,278
12 Claims. (Cl. 93—3)



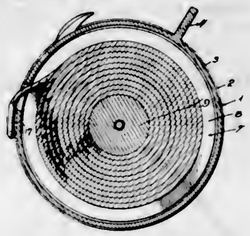
1. In a machine for making individual filled bags, in combination, means for forming bag forming material into the form of a strip having a closed bottom and open top, means for sealing the bag forming material of such strip transversely at predetermined spaced intervals to form the side seams of a series of bag sections, bag filling means, bag severing means, means for moving said strip comprising a plurality of gripping members arranged to grasp said strip at successive side seams and to present successive bag sections into operative relation to said filling and severing means, and control means for assuring registration of successive grippers with successive side seams.

2,269,533
APPARATUS FOR MAKING AND FILLING BAGS
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 14, 1941, Serial No. 383,279
6 Claims. (Cl. 93—3)



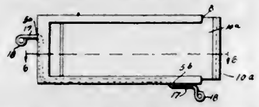
1. In apparatus for making and filling bags, in combination, means for forming bag forming material into a strip having a closed bottom and open top, sealing means for sealing the bag forming material transversely to form the side seam of a bag section, a hollow filling member, means for imparting to the hollow filling member movement downwardly in a path to position the hollow filling member within the strip in the rear of said sealed side seam and for then moving the strip horizontally by the engagement of the filling member with the rear edge of said seam to advance the strip into a position for sealing a second side seam, and for subsequently moving the filling member upwardly and then rearwardly and downwardly to again position it in the rear of a succeeding sealed side seam, means for introducing a commodity into the hollow filling member before the same is withdrawn from the bag section, and a cutter for severing successive filled bag sections from the strip.

2,269,534
SELF-WINDING REEL
Gebhard Jaeger, Columbus, Ohio
Application March 17, 1939, Serial No. 262,481
2 Claims. (Cl. 242—102)



1. In a self-winding reel of the type having a hollow casing with an opening therein, a line receiving reel journaled within said casing, a flexible line secured to said reel and extending through the opening in said casing, and spring means mounted within said casing for imparting rotary movement to said reel, a projection provided on the outer surface of said casing at a point where said surface is substantially parallel to the direction of movement of the line from the reel, the line-engaging edge of said projection remote from said opening being disposed at an acute angle to the adjacent surface of said casing whereby the line may be wedged between said edge and said surface, the arrangement of the parts being such that the angle between said edge and said surface opens in a direction substantially opposite to the direction of movement of the line from the reel.

2,269,535
HOLDER FOR LICENSE VOUCHERS
Walter Keck, St. Louis, Mo.
Application January 25, 1940, Serial No. 315,457
1 Claim. (Cl. 40—10)

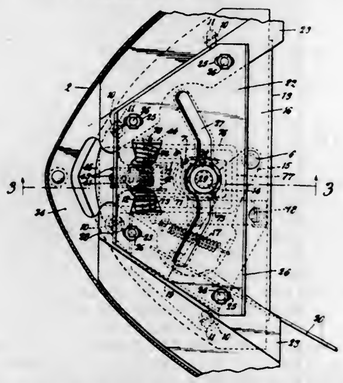


In a device of the kind described, an outer frame open at front and having marginal guideways turned forwardly along three contiguous margins, the fourth margin being left open as a slide-way, an inner license holder also open at front for receiving a license-voucher or the like, the latter holder being dimensioned to slide into the slide-way of the frame, and wires extended from the frame, the extremities of the wires being formed into eyes for engaging screws for mounting the device on the wind-shield of an automobile.

2,269,536
PUFFED CEREAL PRODUCT AND PROCESS OF MAKING SAME
John L. Kellogg, Jr., Battle Creek, Mich., assignor, by mesne assignments, to Helen L. Kellogg, Chicago, Ill.
Application February 25, 1937, Serial No. 127,672
15 Claims. (Cl. 99—82)

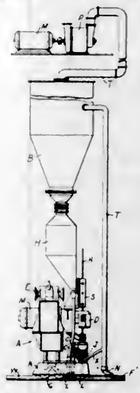
6. Process of producing a puffed corn product which comprises: cooking the corn in water, subjecting the same to mechanical pressure to alter the internal structure of the grain without reducing it to a flaked condition; drying the material to a water content suitable for explosive puffing; and thereafter explosively puffing the material.

2,269,537
UNITARY GUIDING AND LATCHING MEANS FOR AUTOMOBILE HOODS
Walter H. Krause, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application May 18, 1939, Serial No. 274,315. Divided and this application December 1, 1939, Serial No. 307,052
3 Claims. (Cl. 292—1)



1. In a hood latching arrangement wherein an encasing portion of the hood is adapted to be normally latched in closed position by a latch mechanism, and a secondary latch is provided, means for normally urging the hood to partially open condition in opposition to said latch mechanism, including a spring structure having a coiled portion extending about a transverse generally horizontal axis, and spring ends extending radially from said coil portion and opposed respectively to the encasing portion of the hood and to a relatively fixed portion of the vehicle on which the hood is mounted.

2,269,538
ELECTRIC WELDING
Mys M. Lewbers, Bayside, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application May 5, 1939, Serial No. 271,842
9 Claims. (Cl. 219—8)

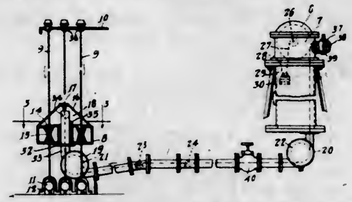


9. Electric welding apparatus comprising, in combination, a hopper adapted to contain a supply of unused granular welding material; a hopper adapted to contain a supply of reclaimed granular welding material; two conduits individually communicating with said hoppers and having their outlets arranged in tandem along but above the line of welding on the work to be welded, said conduits being constructed and arranged to separately feed welding material from said hoppers onto the work and to deposit the material fed from one of said hoppers upon the material fed from the other of said hoppers; mechanism for feeding a fusible metal welding rod toward the work and into the superposed deposits of welding material; and means for recovering a portion of such deposited welding material from adjacent a completed part of the weld and for conveying such recovered material to the hopper adapted to contain a supply of reclaimed welding material.

2,269,539
GAUGE APPARATUS FOR LIQUID LEVELS
Frank V. Long, Compton, Calif.
Application April 6, 1938, Serial No. 200,374
3 Claims. (Cl. 73—321)

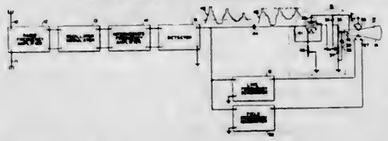
1. In apparatus including a tank carrying two non-miscible liquids of different specific gravities, the combination of a float within the tank to indicate the true level of the upper liquid, an indicator box with indicating means therein controlled by said float, said indicating means having graduations to substantially indicate zero when the float is located substantially at the upper surface of the lower liquid, a guide nipple for the indicating means located in the tank at

about the level of the lower liquid, means for guiding the float as it descends, to a point ad-



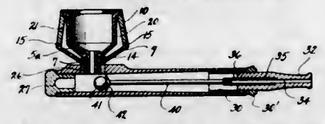
jacent to the nipple, and a rest for supporting the float adjacent the nipple.

2,269,540
TELEVISION SIGNAL-TRANSLATING SYSTEM
Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 31, 1939, Serial No. 276,594
8 Claims. (Cl. 178—7.5)



1. A television signal-translating system comprising, a signal-translating channel adapted to have applied thereto an unstabilized television modulation signal having trace and retrace intervals and varying during trace intervals in accordance with video-frequency components having a wide range of frequencies and during retrace intervals in accordance with synchronizing-signal components, a video-frequency stage in said channel including a single vacuum-tube amplifier having an input circuit, means for adjusting the effective transconductance of said vacuum tube to control the gain of said amplifier over the frequency range of said components, and means comprised within said stage and substantially unresponsive to said gain control for stabilizing the translated modulation signal at the input circuit of said amplifier at a predetermined level thereof.

2,269,541
SMOKING PIPE
Arch MacDonald, Seattle, Wash.
Application May 31, 1940, Serial No. 338,171
3 Claims. (Cl. 131—196)



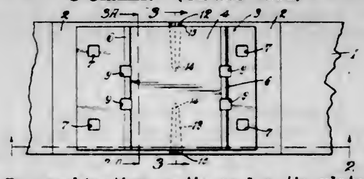
1. In a pipe of the character described, a bowl comprising an inner shell formed with a bottom wall opening, an outer shell spaced from the inner shell with respect to the major portion thereof and providing an intermediate air chamber between them and having a bottom wall opening, and a hollow screw extended through said openings of the inner and outer shells for mounting the bowl on a stem and having a head engaging in clamping contact with the inner shell about the bottom opening therein to hold the parts functionally assembled.

2,269,542
WEDGE HEEL SHOE
Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 10, 1940, Serial No. 356,172
4 Claims. (Cl. 12—142)



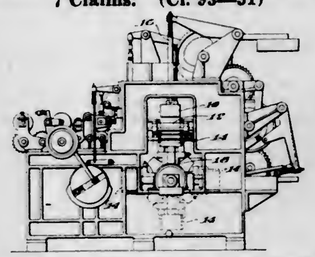
1. A shoe comprising a full length insole having a rib, an upper lasted to said rib, a shank and heel wedge, a wedge cover having its upper margin stitched to said upper and rib, a partial insole substantially coextensive with and underlying said wedge, said partial insole terminating at the forward extremity of said wedge and having a rib extending from one side of its forward end around the heel portion to the forward end of the insole at the other side, the lower margin of said cover being stitched to said rib of the partial insole, and an outsole secured to the shoe.

2,269,543
METHOD AND MEANS FOR DRAINING RAILROAD TIES
William A. Moberly, Chicago, Ill.
Application December 2, 1940, Serial No. 368,152
8 Claims. (Cl. 238—264)



1. In combination, a tie and a tie plate, and means for securing the tie plate in relation to the tie, the bottom of the tie plate being generally plane, the surface of the tie upon which the tie plate rests being cut away to form open drainage spaces underlying the tie plate and inclined downwardly and outwardly toward the edges of the tie, the lower walls of said drainage spaces being out of contact with any part of the tie plate.

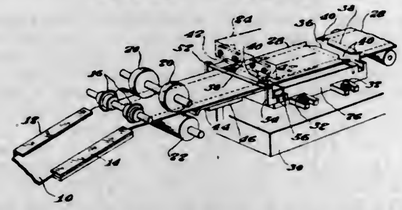
2,269,544
BOX MAKING MACHINE
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application February 12, 1940, Serial No. 318,481
7 Claims. (Cl. 93—51)



1. In a box making machine, in combination,

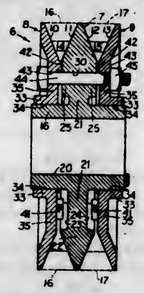
a box shaped pocket and a plunger insertible into the pocket to force the blanks therein, a supporting member for removably supporting said pocket to permit the size of the pocket to be varied, including clamping members, and means for aligning the pocket with relation to the plunger after being clamped to said supporting member.

2,269,545
BOX MAKING MACHINE
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application February 12, 1940, Serial No. 318,482
4 Claims. (Cl. 93—47)



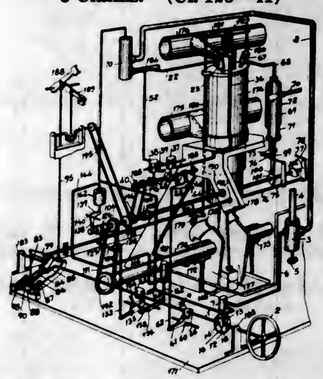
1. In a box making machine, in combination, two relatively movable dies for the production of box blanks, means for feeding a web of material to said dies including a pair of intermittently operated feed rolls disposed in advance of said dies and stationary means for retaining the web adjacent the receiving end of the dies in its normal plane when said dies are separated, said stationary means comprising a transversely disposed member extending across the entire width of the web.

2,269,546
ADJUSTABLE V-BELT PULLEY
Leonard B. Neighbour, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,467
5 Claims. (Cl. 74—230.17)



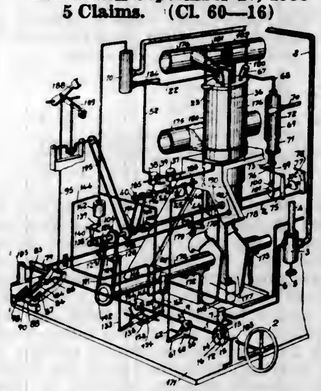
1. An adjustable pulley comprising a pair of coaxial sections having opposed inclined working faces, a plurality of bosses formed on the inner side of one of said sections and extending axially toward the other section, said bosses being of different height and spaced apart radially from one another to facilitate machining the faces thereof, a bearing surface on said other section selectively engageable with said bosses whereby said sections are spaced apart axially to provide a plurality of predetermined effective pulley diameters, and means for securing said sections together.

2,269,547
REVERSIBLE INTERNAL COMBUSTION ENGINE
Alfred Näsholm, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application September 16, 1939, Serial No. 295,211
In Sweden September 17, 1938
5 Claims. (Cl. 123—41)



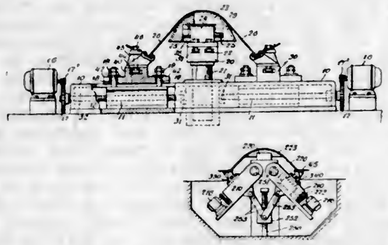
1. In a reversible internal combustion engine having a control member movable in two opposite directions and adapted for reversing the direction of rotation of the internal combustion engine and/or for controlling the fuel supply of the internal combustion engine in both directions of rotation a blocking member, which may be set in two different positions and which is provided with two stops, one of which is always in the path of the movable control member in either of said positions, said blocking member being arranged, depending upon the momentary direction of rotation of the engine, to take the position, in which the control member is prevented from being set in positions causing fuel supply for operation of the engine in the opposite direction of rotation.

2,269,548
CONTROL MECHANISM FOR REVERSIBLE INTERNAL COMBUSTION ENGINES
Johannes Olsson and Alfred Näsholm, Goteborg, Sweden, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application September 16, 1939, Serial No. 295,212
In Sweden September 17, 1938
5 Claims. (Cl. 60—16)



1. A control mechanism for reversible internal combustion engines including a starting air valve control gear, a starting device for supplying starting air to the starting valves of the engine, adjustable fuel supplying devices, a fuel injection control gear including means for locking said fuel injection control gear in different positions for different directions of rotation of the engine, reversing mechanisms for said starting air valve control gear and for said fuel injection control gear, a rotatable control shaft movable from a stop position in either of two directions to selectively effect ahead or reverse operation of the engine and actuating means operatively associated with said shaft, said actuating means being so arranged that in the first range of movement of the control shaft from said stop position in selected direction the reversing mechanism for said starting air valve control gear sets the same for operation of the engine in the appropriate direction, that in a second range of movement in the selected direction the reversing mechanism for said fuel injection control gear releases the locking means for the fuel injection control gear in the event the same is locked in a position for operation of the engine in a direction other than the direction corresponding to the selected direction of movement of the control shaft, and said starting device is operated to supply starting air to said starting valves and that in a third range of movement in the selected direction said adjustable fuel supplying devices are adjusted to supply fuel at rates corresponding to the extent of movement of the control shaft in said third range of its movement.

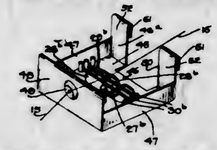
2,269,549
DRAWING MACHINE FOR METAL SHEETS
Otto Oeckl, Berlin-Baumschulenweg, Germany, assignor to Henschel Flugzeugwerke A. G., Schoenefeld, Kr. Teltow, Germany, a corporation of Germany
Application April 8, 1938, Serial No. 200,820. In France, Great Britain, Italy, and Czechoslovakia November 15, 1937
14 Claims. (Cl. 153—48)



1. In a drawing machine for metal sheets, the combination of means for carrying a die, two movable vise supports at opposite sides of said means, each of said vise supports having a straight line path of movement in a direction towards and away from said means, and being adapted to swing relatively to said path, and two individual and independently controllable driving means for each of said vise supports and in pivoted engagement therewith at different points of the associated support in substantially the same plane, said driving means being operative in parallel paths to impart to the associated vise support movements having straight line and angular components in a plane intersecting the vertical, whereby the character of said movements differs according to the manner in which said driving means are operated relatively to each other.

2. In a drawing machine for metal sheets, the combination of a die carrier, two frame members pivoted with one of their ends at opposite sides of said die carrier so as to be swingable in a vertical plane, means for swinging said members, two movable vise supports, one on each of said frame members, and means for individually moving said vise supports along their associated frame members, said vise supports being swingable about axes at right angles to their associated frame members.

2,269,550
YARN TENSIONING DEVICE
Onesime Henry Pons, Valdese, N. C.
Application January 21, 1939, Serial No. 252,108
4 Claims. (Cl. 66—146)



3. As an attachment for a yarn conditioning trough, a yarn tensioning device comprising a base member perforated to provide a freely extending tongue disposed substantially in the plane of said base member, a yarn tensioning ring loosely supported upon said tongue and adapted to impose tension upon a yarn passing through said ring at an elevation above the plane of said base member, and means associated with said base member for restraining movement of said yarn tensioning ring in a direction lengthwise of said yarn while permitting limited movement in a direction laterally of said yarn.

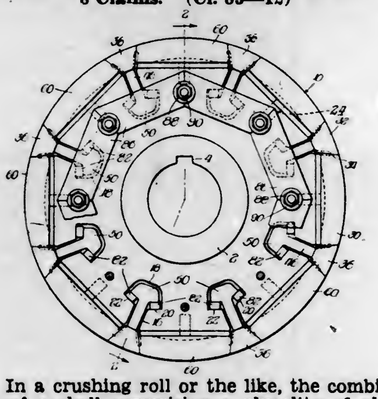
2,269,551
WALL RADIATOR ENCLOSURE
Ellis G. Powell, Michigan City, Ind., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application August 7, 1940, Serial No. 351,686
9 Claims. (Cl. 237—79)



1. In combination with a window sill, a radiator enclosure comprising a front member and back member removably associated, said front member comprising a front plate provided with a grille at its upper portion, a lip at its upper edge for association with the sill in assembled position, and side pieces provided with openings extending to the lower edges for accommodating

radiating means, said back member comprising a back plate, a top flange for anchoring to the window sill, horizontal reinforcing means adjacent the top flange forming a seat for the lip of the front member, pins on one of said members, slots on said other member for cooperating with the pins whereby one member pivotally supports the other, and locking means carried by said members whereby said members are releasably held in assembled relation.

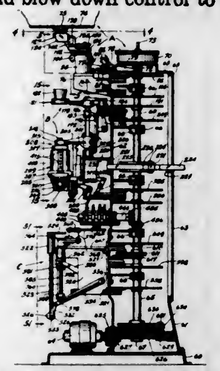
2,269,552
SEGMENTAL CRUSHING ROLL
Thomas A. Ratkowski and Earl A. Lerner, Chicago Heights, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application August 7, 1939, Serial No. 288,780
8 Claims. (Cl. 83—12)



1. In a crushing roll or the like, the combination of a shell comprising a plurality of alternately arranged segments and segment wedges forming the working surface of said roll, means for supporting said shell comprising a plurality of radially extending and axially spaced supporting members having radially disposed openings merging with the periphery thereof and provided with a laterally disposed part forming an abutment, said segment wedges having securing means received in said openings and provided with laterally disposed parts forming an abutment disposed in opposed relation to said first-named abutment, and means in cooperative relation with said abutments for holding said wedges in place, said openings extending axially through said supporting members to permit said segment wedges to be withdrawn and inserted in an axial direction with respect to said supporting members.

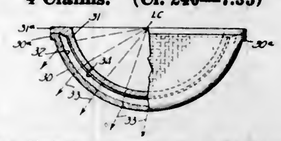
2,269,553
GLASS MACHINE AND METHOD OF MAKING GLASS
George Roessler, East St. Louis, Ill.
Application October 8, 1936, Serial No. 104,649
45 Claims. (Cl. 49—5)

24. In a glass machine, shears, a mold open at one end and disposed to receive glass from the shears, a head movable to close the said end of the mold, means controlling air pressure operable to cause said pressure to blow the glass into one end of the mold, means controlling air pressure operable to cause said pressure to expand part of the glass into the other end of the mold, means to balance the heat dissipation from the glass in the two ends of the mold, and means connecting the shears, the movable head, the blow down control, and the expand control to cause said shears to operate, said head to cover the mold, said blow down control to operate, and



said expanding control to operate in timed relation in the order named, whereby to form completed ware in one mold.

2,269,554
LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application March 1, 1938, Serial No. 193,248
4 Claims. (Cl. 240—7.35)

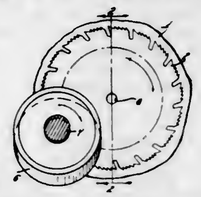


1. A car lighting luminaire adapted for flush mounting in the ceiling of the car and comprising a light source, a refractor comprising two nested refractor parts, the inner part having peripheral flanges to fit the edges of the outer part and provide a rectangular opening to receive light from the source, the parts having substantially vertical opposed end walls of substantial depth and protruding below the ceiling so as to be in the line of vision of seated occupants of the car, at least one of the walls including vertical light diffusing flutes for laterally spreading light for ceiling illumination and obscuring the source, the bottom of one refractor part having a series of light concentrating prisms parallel with two opposite side edges of the refractor part, the bottom of the other refractor part having a series of light concentrating prisms opposed to the first series of prisms and at right angles thereto, the light source being in the focal line of the set of prisms parallel with the length of the rectangle to spread an intense beam over a rectangular area below the luminaire, the refractor parts being of arcuate cross section in vertical planes across the width of the rectangle.

2,269,555
WELDING ROD
Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, Astoria, Long Island, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 11, 1940, Serial No. 360,762
4 Claims. (Cl. 219—8)

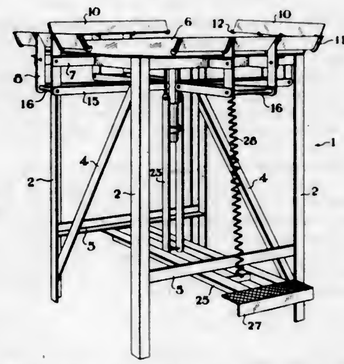
3. A low carbon welding rod comprising carbon .03–.25%, manganese .15–.75%, silicon .05–.30%, a metal from the group containing nickel and molybdenum in the amount of .25–.30%, balance iron and incidental impurities.

2,269,556
METHOD FOR GRINDING SAWS
John A. St. Clair, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana
Application May 19, 1938, Serial No. 208,838
3 Claims. (Cl. 51—281)



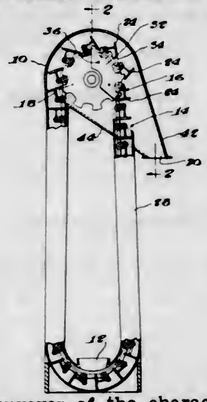
1. The method of grinding a saw which consists in presenting a cup grinding wheel against the face of the saw with the axis of the wheel in a plane offset from and parallel with the axis of the saw and inclined to the axis of the saw and with the grinding wheel engaging the surface of the saw tangentially to the radius of the saw, simultaneously rotating the saw and grinding wheel and maintaining said relationship constant during grinding operation.

2,269,557
APPARATUS FOR REMOVING TILE FROM MOLDS
August H. Sexton, Miami, Fla., assignor to Stonex Industries, Inc., Miami Beach, Fla., a corporation of Florida
Application June 24, 1940, Serial No. 342,021
7 Claims. (Cl. 25—1)



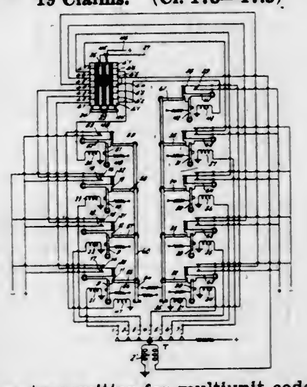
1. Apparatus for removing building tile from forming molds comprising a table-like support, arm members pivotally supported adjacent the sides of said support for movement about horizontally disposed axes, mold engaging hooks carried by said arms above said support, a guide carried by said support, a crosshead supported for movement on said guide, a foot lever mounted for pivotal movement on said support, and link means connecting said crosshead, said foot lever and said arm members.

2,269,558
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application May 15, 1940, Serial No. 335,254
5 Claims. (Cl. 198—170)



5. In a conveyer of the character described, in combination, a conduit having an inlet and an outlet, an endless conveying element traversible therethrough, a plurality of flight members pivotally mounted on said conveying element, a head sprocket over which said endless conveying element is arranged to pass, and means having a plurality of raised portions disposed adjacent to said head sprocket adapted to be successively engaged by said flights for effecting vibration of said flights as they pass over said head sprocket.

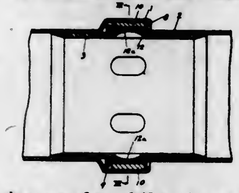
2,269,559
TELEGRAPH PRINTING SYSTEM
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1939, Serial No. 273,846
19 Claims. (Cl. 178—17.5)



1. In a transmitter for multiunit code characters, a tape transmitter for sending the signal units to indicate a message, an outgoing line, a switch for each code unit, means for connecting the switches in succession to said line, a magnet for each code unit each having an armature for positioning one of said switches in a signal position, means for energizing the magnets for a new character in the middle of the transmission of the previous character and means for locking

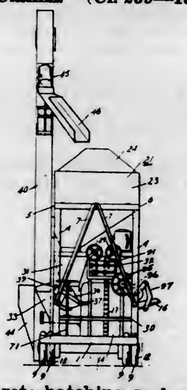
the armatures of the magnets for the untransmitted units of said previous character until their associated switches have been connected to the outgoing line.

2,269,560
PIPE COUPLER
William H. Stout, Eugene, Oreg.
Application January 15, 1940, Serial No. 313,809
5 Claims. (Cl. 285—168)



1. In a pipe coupler of the character described, a bell member with a restricted entrance, a spigot member having an enlarged outer end insertable in the bell, an expansible ring member insertable between the bell and spigot, a tubular rubber sealing member within the bell and spigot and means dependent on expansion of the sealing member by internal fluid pressure for expanding the ring to prevent withdrawal of the spigot from the bell.

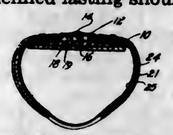
2,269,561
PORTABLE CONCRETE BATCHING AND MIXING TRUCK
Guy H. Strayer, Erie, Pa.
Application February 26, 1940, Serial No. 320,747
9 Claims. (Cl. 259—153)



1. In a concrete batching and mixing plant in combination, a concrete mixer, an aggregate hopper, a cement hopper adjacent said aggregate hopper, a gate on the outlet of said aggregate hopper, a feeding screw for feeding cement from said cement hopper to said mixer, said cement and the material from said aggregate hopper being mixed before reaching said mixer, and means controlled by the movement of said gate to operate said feed screw while said gate is in an open position.

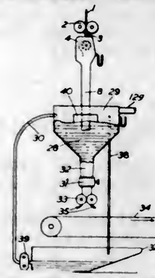
2,269,562
SHOEMAKING
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 30, 1938, Serial No. 227,492
9 Claims. (Cl. 12—146)

1. An insole unit which comprises a stiff shank piece having lateral marginal flanges molded to correspond to the curvature of a last bottom and a longitudinal rib extending from the heel-seat portion through the shank portion of said shank piece between said flanges at its lower side, said rib having well defined lasting shoulders adjacent



to said flanges and being shaped to provide a longitudinal depression at the upper side of the shank piece, a mass of hardened plastic composition filling said depression, and a flexible insole conformed to the curvature of said flanges and covering said plastic composition.

2,269,563
COLLECTION, TREATMENT, AND DISPOSAL OF STAPLE FIBER PRODUCED BY CUTTING CONTINUOUS FILAMENTS
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 3, 1939, Serial No. 297,676
In Great Britain October 26, 1938
13 Claims. (Cl. 19—1)



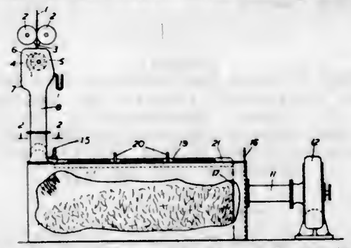
2. Method of cutting and collecting staple fiber, comprising cutting staple fiber from continuous filaments, guiding the fibers from the cutting point below the level of a liquid, agitating the fibers while they are in the liquid and applying sub-atmospheric pressure to the surface of said liquid so as to discharge said fibers into said liquid below said surface.

8. Apparatus for cutting and collecting staple fiber, comprising a cutting machine, a suction conduit leading from the cutting machine, an enclosed chamber into which the conduit projects downwardly, the chamber being adapted to contain liquid to a level above the end of the conduit, and means to apply suction to the chamber above the liquid level.

2,269,564
CUTTING AND COLLECTING OF STAPLE FIBER
William Ivan Taylor and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 3, 1939, Serial No. 297,677
In Great Britain October 26, 1938
2 Claims. (Cl. 19—1)

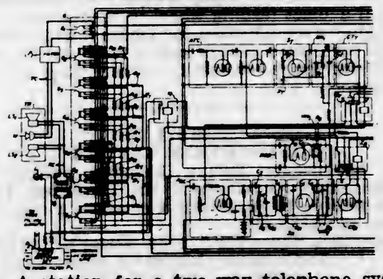
1. Apparatus for cutting and collecting staple fiber, comprising a cutting machine, a conduit leading from the cutting machine, a chamber

substantially larger in cross-section than that of the conduit and into which the conduit discharges, the chamber extending transversely away from the conduit, and means to apply



suction to the chamber at the end remote from the conduit so as to carry the cut fiber away from the cutting machine and along the length of the chamber at a velocity less than the conduit velocity.

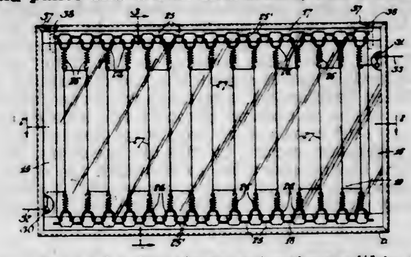
2,269,565
COMMUNICATION SYSTEM
Richard J. Tillman, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1940, Serial No. 358,785
25 Claims. (Cl. 179—1)



1. A station for a two-way telephone system including a plurality of stations connected by a wave transmission medium, comprising two circuit branches each including an electro-acoustic transducer operating respectively as a telephone transmitter and a telephone receiver, connected to said medium, voice-operated control circuits respectively controlled from a different one of said branch circuits for controlling the transmission efficiency of said branch circuits in such manner as to provide directional control of voice signal transmission at the station, and means to minimize voice signal quality impairment due to the changes in transmission efficiency of said branch circuits in providing the directional control comprising means to make the transmission efficiency changes relatively smaller over the frequency range of maximum speech energy than over the remainder of the speech frequency range.

2,269,566
MEANS FOR HEATING WINDOWS OR TRANSPARENT PANES FOR AIRCRAFT, MOTOR CARS, OR THE LIKE
Gerrit Van Daam, Buffalo, N. Y.
Application June 10, 1939, Serial No. 278,446
3 Claims. (Cl. 219—19)

1. In a device of the character described, the combination of a spacing frame, two transparent panes having margins co-extensive with the outer margins of said frame, means securing said panes hermetically to the opposite faces of said frame thereby forming a chamber between said panes and within said frame, and a resist-



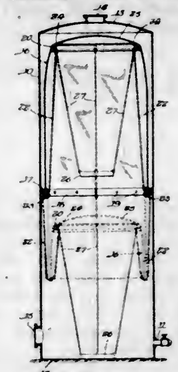
ance strand having zigzag extensions within the area bounded by said frame, said chamber containing a liquid for supporting the panes against excessive external pressure.

2,269,567
BOOKMARKER
Louis Weglein, Jr., Upper Darby, Pa.
Application March 7, 1941, Serial No. 382,213
2 Claims. (Cl. 116—119)



1. A book marker, comprising a pair of thin independently flexible elements of transparent material lying closely adjacent to each other and having end portions secured together, to provide independently extending portions between which a thin object is adapted to be inserted, said secured end portions normally extending freely beyond the limits of such object, said elements being transversely curved about the same radius at their secured ends and progressively relatively flatter and consequently increasingly flexible towards their separable ends, to increase frictional engagement with such object as the object approaches the united ends of said elements.

2,269,568
BREATHER RESERVOIR
Lester A. Wilkin, East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa., a corporation of Delaware
Application January 29, 1940, Serial No. 316,165
6 Claims. (Cl. 48—178)



1. In a breather reservoir, in combination, a housing having connection with the supply line for delivering to and conducting therefrom a gas-

eous medium, a flexible diaphragm of gas impervious material within said housing dividing the same into chambers one of which is in communication with said supply line, annular means carried by said diaphragm substantially centrally thereof, flexible means connecting with said annular means at one end and having connection with the wall of the housing at their other end, said flexible means supporting the diaphragm in deflated position and also limiting upward movement of the diaphragm beyond a full inflated position, and a balancing weight suspended from said annular means by flexible members, said weight having operation to maintain the central portion of the diaphragm in a substantially horizontal plane during vertical movement thereof.

2,269,569

PROCESS FOR ANALYSIS OF CORE SAMPLES CONTAINING OIL AND WATER

Milton Williams, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 27, 1939, Serial No. 296,719
2 Claims. (Cl. 23—230)



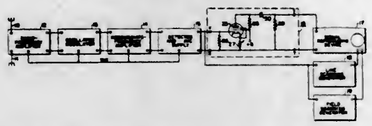
1. A process for analyzing a core sample comprising the step of flowing a stream of drying air over the sample while the sample is at a temperature of at least 100° C. and sufficient to vaporize moisture therefrom, passing the stream of air through a drying agent to absorb the moisture from the air, weighing the drying agent to determine the moisture absorbed, subsequently increasing the temperature of the sample, while continuing to flow drying air thereover, to a temperature sufficient to remove substantially all the oil from the sample but not substantially above 425° C., and then weighing the treated sample.

2,269,570

ADJUSTABLE-GAMMA TELEVISION SIGNAL-TRANSLATING STAGE

John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application March 2, 1940, Serial No. 321,811
8 Claims. (Cl. 178—7.3)



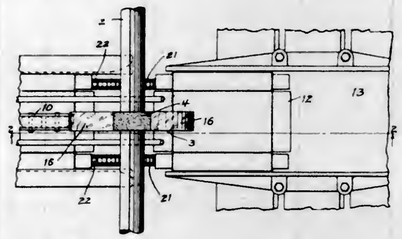
1. In a television signal-translating system, an adjustable gamma signal-translating stage including a vacuum tube having input electrodes and an anode circuit, means for applying a stabilized video-frequency signal to said input electrodes, means coupled to said tube for deriving an output signal from said stage, an adjustable means for deriving from said anode circuit a signal voltage and applying said voltage to an electrode of said tube instantaneously to modulate the signals translated by said tube over the entire amplitude range thereof, thereby to adjust the gamma of said stage, said voltage tending instantaneously to vary the gain of said stage over its amplitude range, and means including said adjustable means for compensating said tendency of the gain of said stage to vary with adjustments thereof.

2,269,571

SHEET FEEDER AND METHOD OF USING

Stanley Aktabowski, Chicago, Ill., assignor to E. G. Staude Manufacturing Company, St. Paul, Minn., a corporation of Minnesota

Application August 16, 1941, Serial No. 407,116
15 Claims. (Cl. 271—39)



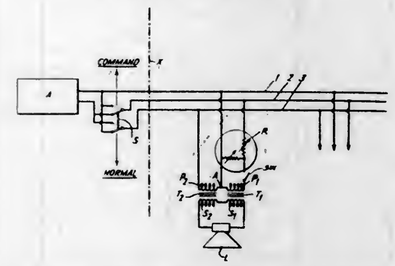
1. A method for interrupting the circumferentially continuous feeding action of a feeding surface of a sheet feeding wheel to render only part of said surface effective for feeding, which comprises covering a part of said surface with a material having a relatively nonfriction feeding surface.

2,269,572

LOUDSPEAKER SYSTEM

Max Appenzeller, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 9, 1940, Serial No. 364,957
In Germany August 15, 1939
6 Claims. (Cl. 179—2)



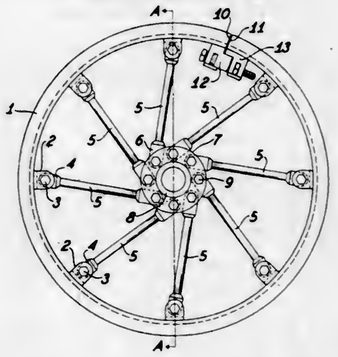
1. A signalling system comprising a three-wire transmission line, two of said wires constituting a first transmission line and being reserved for the transmission of one kind of message, the third wire and one of the first two wires constituting a second transmission line and being reserved for the transmission of another kind of message, a loudspeaker at a remote point, coupling means between each transmission line and the loudspeaker, a signal source at a central point, and control means at the central point for selectively connecting the signal source to said first or second transmission line depending upon the kind of message it is desired to be transmitted to the remote point.

2,269,573

ADJUSTABLE MEASURING WHEEL

Adelbert Barry, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 29, 1939, Serial No. 270,754
3 Claims. (Cl. 33—129)



1. A measuring wheel comprising a rim adapted to be expanded or contracted, a hub located substantially in the center of said wheel, a plurality of spokes, each spoke being longer than the distance between the hub and the rim measured along the radius of the wheel and attached to both the hub and the rim so that radii passing through corresponding ends of said spokes make angles with these spokes, the other ends of said spokes being spaced away from said radii in the same direction along the circumference of the wheel.

2,269,574

WIRED BAG

Peter Benenfeld, Brooklyn, N. Y.

Application January 12, 1940, Serial No. 313,514
3 Claims. (Cl. 190—54)



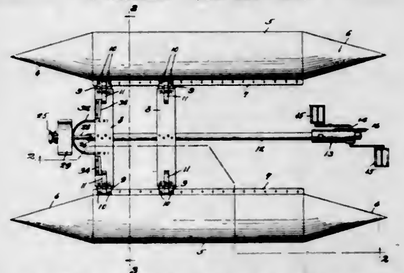
1. In a bag having a welt at the bag corners, said welt comprising a flexible non-resilient core and a folded strip enclosing the core, walls on the bag having inturned edge portions at the bag corners, said portions covering the inner edge parts of the welt strip to form a flap on the inside of the bag at said corners, a wire-holding pocket in said flap, and a resilient metallic wire in said pocket arranged between the inner edge parts of the welt strip, the outer side of said pocket being closed by a first line of stitching passing through said edge portions and through said inner edge parts of the welt strip between the core and the wire and adjacent the inner faces of the bag walls, such stitching forcing the core against the fold of the strip, the inner side of said pocket being closed by a second line of stitching arranged inwardly of and adjacent the wire and passing through said edge portions and forcing said wire toward said first line of stitching.

2,269,575

MANUALLY PROPELLED CRAFT

Maywood Bethel, Hext, Tex.

Application July 27, 1940, Serial No. 347,985
2 Claims. (Cl. 115—22)



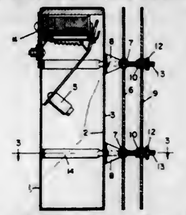
1. A craft comprising a body portion embodying pontoons, bars extending longitudinally of the pontoons and having openings arranged in spaced relation with respect to each other throughout the lengths of the bars, spacing bars arranged between the pontoons, hinges at the ends of the spacing bars, bolts extending through the hinges and openings of said bars, adjustably securing the hinges to the pontoons, a propeller at one end of the body portion, and manually controlled means for operating the propeller.

2,269,576

CHIME

Robert B. Brewer, East Cleveland, Ohio, assignor of two-fifths to S. Eldridge Sampliner, Cleveland, Ohio

Application November 22, 1939, Serial No. 305,667
5 Claims. (Cl. 177—7)



1. A device of the character described, comprising a plurality of chime bars having slightly different sound frequency vibrations, a resonance chamber enclosing a volume of air adapted to vibrate in unison with said chime bars and means for adjustably regulating the spaced distance between said chime bars, to change the beat frequency.

2,269,577

NECKTIE

Montie M. Brohard, Jr., Norwood, Ohio

Application January 13, 1941, Serial No. 374,270
2 Claims. (Cl. 2—146)

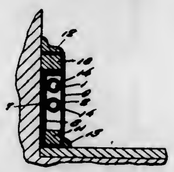
1. A four-in-hand necktie constructed so as to present a central dimple directly beneath the knot when tied, comprising in combination an outer fabric envelope having a knot-forming area, and a stretchable liner of bias cut coarse woven fabric enclosed within said envelope, the liner including outer side edges and having a medial elongated aperture midway between said side edges in the region of the knot-forming area of the outer envelope, leaving narrow bias cut disintegratable strips of fabric flanking said aperture, and stretch arresting means carried by

the liner at opposite sides of the single aperture in substantially coextensive relationship thereto, said stretch arresting means being in the form of long lines of stitching disposed in substantial parallelism with the major axis of the elongated



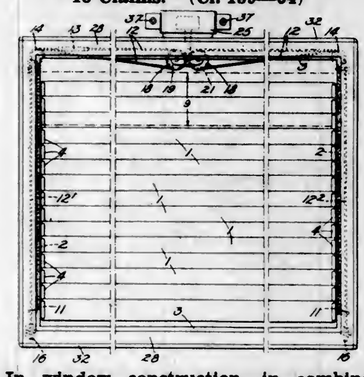
aperture, serving also to bind the short threads of the aforesaid narrow strips of fabric which flank the aperture, thereby to preclude disintegration of the narrow strips by separation of their constituent short bias cut threads.

2,269,578
HEATING SYSTEM
Giacinto Buti, McKeesport, Pa.
Application April 9, 1940, Serial No. 328,784
1 Claim. (Cl. 257—133)



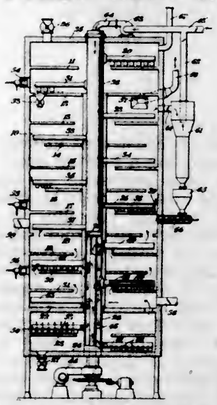
A heating system for a building comprising flow and return pipe lines, means for connecting the lines to a source of heated fluid, means for connecting the lines together at a point remote from the source, means for connecting the lines to the inner surfaces of the studding of the building and a casing enclosing the lines and forming a base board said casing including a strip of non-conducting material extending upwardly from the floor back of the fluid lines and having its upper edge turned outwardly at right angles, a metal strip extending upwardly from the floor in rear of the lines and contacting the outer face of the first strip, and having its upper edge turned outwardly at right angles and under the upper edge of the first strip, a channel shaped strip having its lower flange extending inwardly and engaging the lower edges of the first strips, a bar resting on said lower flange, a top bar resting on the upper turned edge of the first strip and upon which the upper flange of the channel strip rests, the bight of the channel strip having openings therein, and a moulding strip on the top flange of the channel strip.

2,269,579
WINDOW AND BLIND ARRANGEMENT
Alfred Henry Chilton, London, England, assignor, by mesne assignments, to The Safety Car Heating & Lighting Company, Inc., New York, N. Y., a corporation of Delaware
Application May 24, 1938, Serial No. 209,825
In Great Britain May 28, 1937
18 Claims. (Cl. 189—64)



1. In window construction, in combination, means forming a continuously peripheral frame, a pair of panes hermetically sealed in said frame in spaced relation to one another to form a space therebetween, a blind reciprocably disposed between said panes within said space and adapted when lowered to cut off thermal radiation through said panes while admitting a certain amount of light therethrough, and means including an operating device wholly disposed within said space for reciprocating said blind.

2,269,580
FURNACE APPARATUS AND METHOD OF CALCINING LIME WITH RECOVERY OF CARBON DIOXIDE
George E. Connolly, Oakland, Calif., assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application June 14, 1940, Serial No. 340,458
4 Claims. (Cl. 263—26)



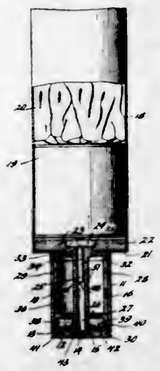
1. In combination with a furnace having a plurality of superposed hearths, a central rotatable vertical shaft with rabble arms thereon at each hearth for advancing material being treated over each hearth and from hearth to hearth, said

shaft and arms having openings and communicating cavities for admitting and conducting cooling fluid into and through the shaft and thence through the arms and from the arms to the spaces over each hearth, the hearths being formed with openings to permit a flow of gases upwardly in the furnace countercurrent to the travel of the material, means for heating lower hearths to a higher temperature than upper hearths, and means for conducting gas resulting from the heating of the material on the hearths, while such gas is still warm, from the presence of an upper hearth, to the inlet opening of the shaft to serve as such cooling fluid.

2,269,581
WELD METAL
Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application July 31, 1940, Serial No. 349,020
4 Claims. (Cl. 219—8)

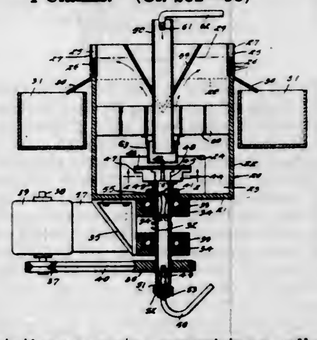
1. A welding rod for fusion-type welding, characterized by high fluidity and high wetting power in the molten state, and formed from an alloy consisting of: nickel from about ½% to about 10%; phosphorus from about 1/20% to about ½%; tin, if any, up to about 2%; and the balance substantially of copper.

2,269,582
SIGNAL FLARE
Josef B. Decker, Elkton, Md., assignor to Triumph Explosives, Inc., a corporation of Maryland
Application March 11, 1938, Serial No. 195,403
11 Claims. (Cl. 102—24)



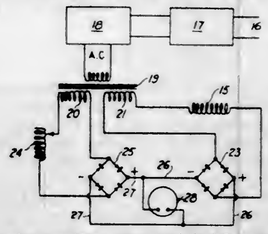
1. Fixed ammunition for large-bore signal pistols comprising in combination, a short cartridge case having a straight bore, a percussion cap in the base of said case, a projectile having a portion adapted to closely fit the walls of the said bore throughout substantially its whole length, an expelling charge in said projectile, a recess in and open to the rear end of said portion, a charge of explosive in said recess to propel the projectile, a rear cover for said propelling charge, a tube extending through said charge and cover and having its end engaging the base of the shell with its bore in alignment with the percussion cap flash opening, a lateral passage in the wall of said tube to conduct the cap flame to the said propelling charge and a delay fuse in said tube forwardly of said passage and adapted to be ignited by said cap flame, said fuse being adapted to ignite said expelling charge.

2,269,583
MATERIAL SEPARATION DEVICE
Frank A. Dromgold, Brisbane, Calif.
Application February 3, 1939, Serial No. 254,493
4 Claims. (Cl. 261—93)



1. A flotation separator comprising a cell member, a vertically disposed hollow shaft journalled in said cell, driving means for said shaft, one end of said shaft extending exteriorly of said cell and communicating with the atmosphere, air controlling means on the outer end of said shaft, a centrifugally opening valve carried by said shaft, an agitating member on the inner end of said shaft, and means discharging material in the direction of said agitating member.

2,269,584
ELECTRICAL MEASURING DEVICE
Kenneth R. Eldredge, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 8, 1939, Serial No. 308,119
5 Claims. (Cl. 177—351)



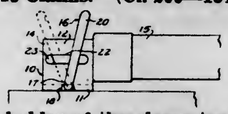
1. An alternating current bridge comprising a first circuit whose impedance is varied by changes in a quantity which it is desired to determine, means for passing a uniformly varying alternating current through said circuit, means for rectifying said current, a second circuit electrically similar to said first circuit but whose impedance is independent of the quantity it is desired to determine, means for adjusting the impedance of said second circuit independently of that of said first circuit, means for passing a similar uniformly varying alternating current through said second circuit, means for rectifying said second current, a third circuit connecting the direct current outputs from said rectifying means, and means in said third circuit for measuring the difference between the respective outputs of said rectifiers.

2,269,585
ARTIFICIAL TOOTH
Max G. Feldman and Benjamin Perlow, Pittsburgh, Pa.
Application August 27, 1940, Serial No. 354,362
4 Claims. (Cl. 32—9)



1. In an artificial bridge tooth, in combination, a tooth body of porcelain or like moldable material having a relatively wide groove and a cut-away portion immediately above said groove in its lingual face, the incisal and gingival walls of said groove being so angularly related that a plane bisecting the angle formed by the projecting walls intersects the proximal median plane of the tooth at an acute angle, said body having a post hole projecting into the lingual face from the cut-away portion thereof at a point located immediately beyond the gingival side of said groove and with its axis substantially paralleling said bisecting plane aforesaid, and a backing fitting said groove and cut-away portion snugly with its perimetral edges flush with the surrounding surfaces of the tooth body, said backing having a relatively thick part and a relatively thin part closely engaging the groove and cut-away portion of the tooth, and a post integral therewith and extending from the thin part for accommodation within said post hole.

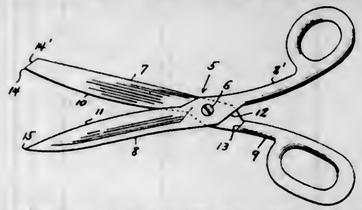
2,269,586
FUSE HOLDER
Lawrence E. Fisher and William H. Frank, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application December 30, 1940, Serial No. 372,288
15 Claims. (Cl. 200—134)



2. A fuse holder of the clamp type comprising a wall against which a fuse terminal may be scraped and clamped, and a U shaped clamp whose bight passes through the wall under where the lower edge of the terminal will be, for pivotally mounting the clamp in the wall, and one of whose arms engages the terminal to press it against the wall, and the other of whose arms engage the wall, the wall and terminal being between the clamp arms, these being formed flexible relative to the wall so that when the clamp moves it flexes for producing a spring clamping pressure on the terminal.

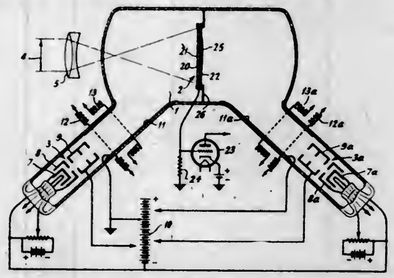
2,269,587
SCISSORS OR THE LIKE
Ernest Hardin, Ardmore, Okla.
Application August 12, 1940, Serial No. 352,300
1 Claim. (Cl. 30—254)

Shears or the like constructed with a departure from the normal by having the blades thereof curved longitudinally for the full length of the blades; said blades being curved away from each other in opposite directions from the pivotal point of the blades toward the terminals of the blades whereby, upon closing of the blades in initiating a cutting action such cutting action will begin immediately at the point of the pivotal connection of the blades so that the cut-



ting edges of the blades for the full length thereof are availed of in effecting the cutting operation, the handles of the shears having divergence with respect to each other similar to the divergence of the blades.

2,269,588
TELEVISION TRANSMITTING TUBE
Harley A. Iams, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1940, Serial No. 371,108
9 Claims. (Cl. 250—150)

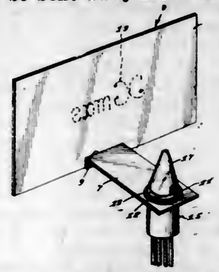


1. A television transmitting tube comprising in an evacuated envelope a target electrode foundation, a first electron gun exposed to one side of said foundation to generate an electron beam, a light sensitive structure which inherently liberates secondary electrons when scanned by said beam on the side of said foundation exposed to said electron gun, a signal plate in capacitive relation with said photosensitive particles, a second electron gun positioned to direct an electron beam toward the opposite side of said foundation, a film of material adjacent the said opposite side of said foundation and conductively associated with said signal plate, said film of material having different secondary electron emitting properties over laterally spaced elemental areas thereof and means to scan said electron beams over directly opposite areas on opposite sides of said foundation to neutralize spurious signals generated by one of said electron beams.

2,269,589
GREETING CARD
Alan J. Kaufman, Brooklyn, N. Y.
Application September 5, 1940, Serial No. 355,510
6 Claims. (Cl. 40—131)

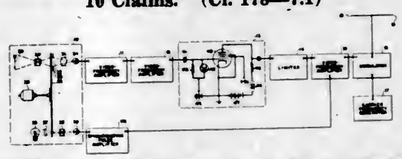
1. A card comprising a relatively stiff sheet, a relatively stiff arm lying along one side of said sheet, said arm having one end connected to said one side of the sheet and said arm having a hole therein adjacent its other end, an electric lamp

bulb and socket held in said hole, said arm being arranged to be bent away from the side of said



sheet to occupy a horizontal position substantially at right angles to said sheet.

2,269,590
SIGNAL-TRANSLATING SYSTEM AND METHOD OF OPERATION
Harold M. Lewis, Great Neck, and John C. Wilson, Bayside, Long Island, N. Y., assignors to Hazeltine Corporation, a corporation of Delaware
Application August 2, 1939, Serial No. 287,912
10 Claims. (Cl. 178—7.1)



1. The method of imparting to a television signal-translating system a translating characteristic of a predetermined gamma which comprises, translating with a signal input-signal output distortion corresponding to a power-law curve a television signal including components representative of the unidirectional background of the translated picture, effectively maintaining a predetermined amplitude level of the translated signal related to and outside of the amplitude range of signals to be reproduced at the intersection of said curve and an axis of symmetry thereof, whereby other predetermined amplitude levels of the translated signal corresponding to the amplitude range of signals to be reproduced correspond to points on said curve which are displaced from said axis of symmetry in accordance with their amplitude displacement from said related level, and deriving an output signal corresponding to the distorted translated signal.

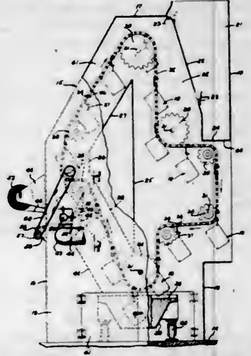
2,269,591
LIGHTER
Sidney M. Locker, Bronx, N. Y.
Application January 7, 1939, Serial No. 249,743
4 Claims. (Cl. 67—7.1)

2. In a device of the class described, a pencil shaped casing, a fuel reservoir at one end of said casing and having the internal casing wall as a surrounding side wall, a closure on said casing serving to cover the fuel reservoir, said closure extending past the external surface of said casing, an angular wick guide forming a restricted passage through said closure, a wick projecting through said guide from the interior of the fuel reservoir and having an igniting end adjacent an external surface of said casing, a spark forming member mounted on the external surface of the casing adjacent said igniting end of the wick and restricted from extending beyond said closure, a detachable cap adapted to house the igniting wick end, the wick guide, and the spark forming member when attached to the casing, and a yieldable member attached to said cap in



position to press against an external surface of said casing when the cap is thus attached to the casing, said yieldable member carrying a spark producing frictional surface.

2,269,592
COATING APPARATUS
George P. McGraw, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 332,888
9 Claims. (Cl. 91—55)



9. In an apparatus for coating an article having perforations therein, a chamber, means for moving the article through the chamber, means for applying coating material on the article, means adjacent to the coating means for applying air pressure against the article to remove coating material from the perforations and accumulate excess coating material at one portion of the article surface, an absorbent material in the path of the moving article for engaging the article and removing the excess coating material therefrom, and means for drying the remaining coating material on the article.

2,269,593
PROCESS OF MAKING TELESCOPING DRINKING TUBES
Sidney T. Maltby and Gideon Brown Miller, Washington, D. C., assignors to Stone Straw Corporation, Washington, D. C., a corporation of New Jersey
Application May 20, 1940, Serial No. 336,259
3 Claims. (Cl. 18—56)

1. The process of making telescoping drinking

tubes of thin, cellulose material which comprises heating and softening one end of a tube to constrict and shrink the same, forming such softened end into a collar of reduced diameter, advancing an inner, smaller diameter tube through



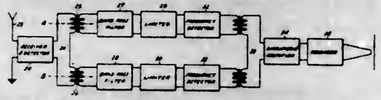
such collar while the same is in softened condition, engaging the remote end of said inner tube by a heated forming plunger to flare the same outwardly, and continuing to advance said inner tube until its flared end is received within the outer tube.

2,269,594

MODULATION OF WIRE AND RADIO TRANSMISSION BY FREQUENCY VARIATION

Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 18, 1939, Serial No. 262,664
30 Claims. (Cl. 250—6)



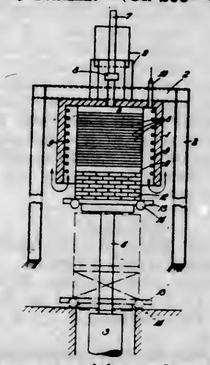
1. In a signaling system for reducing selective fading effects, an oscillator for producing a sub-carrier, means for varying the frequency of said sub-carrier in accordance with a signal, a high frequency oscillator for producing a radio frequency carrier, means for modulating the radio frequency carrier by the varying sub-carrier, means for receiving the modulated radio frequency carrier wave and its side bands, two separate circuits connected to said receiving means, one adapted to pass the fundamentals of the varying sub-carrier frequency and reject the harmonics thereof and the other adapted to pass the harmonics and reject the fundamentals, a limiter in each circuit, means connected to the limiters for converting the frequency variations into amplitude variations, and means for translating the amplitude variations into signal indications.

2,269,595

FURNACE FOR HEAT TREATMENT UNDER HIGH PRESSURE

Ellis Miller, Brussels, Belgium

Application November 15, 1939, Serial No. 304,508
In Great Britain September 19, 1939
6 Claims. (Cl. 266—5)



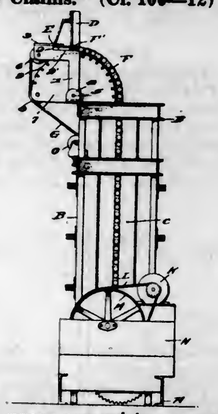
1. A furnace comprising a furnace chamber of bell type, a supporting frame by which said furnace chamber is carried, a movable support for introducing into said chamber from beneath the same a charge of material to be treated and for lowering it from said chamber, a movable plate adjacent the top of the chamber, means for subjecting the charge on said support to high pressure exerted upwardly through said support, and means for charging said chamber with a gas which is inert to the material to be treated.

2,269,596

BALING PRESS

Simon B. Minnich, Landisville, Pa., assignor to Minnich Machine Works, Landisville, Pa., a corporation of Pennsylvania

Application August 9, 1939, Serial No. 289,303
7 Claims. (Cl. 100—12)



7. A baling press comprising a main frame, a baling chamber formed with an open end, and a platen movable into and from said chamber and swingable to an angle, in combination with a guide plate secured to said frame and having a convex face distant therefrom, a swingable arm pivotally mounted at a point in axial alignment with the center of curvature of the convex face of said guide plate, releasable engaging means connecting said arm and platen to support said platen during swinging movement, and flexible retraction stroke means disposed for peripheral movement over the convex face of said guide plate and connected to said platen at a point in alignment with said convex face.

2,269,597

TEMPERED GLASS ARTICLE

John Bawden Mitford, St. Helens, England, assignor to The American Securit Company, Wilmington, Del., a corporation

No Drawing. Application January 4, 1937, Serial No. 119,044. In Great Britain January 2, 1936
1 Claim. (Cl. 49—89)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

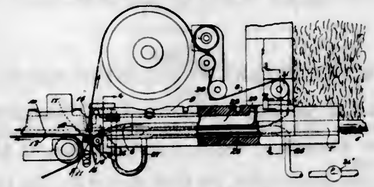
The hereinbefore described method of modifying the fragmentation characteristics of a glass body tempered by suddenly reducing the temperature of the surface layers thereof from a temperature above the annealing range and having walls stressed unequally at different portions, which comprises heating the body to a temperature such that it yields plastically under the influence of the higher strains, but substantially no yielding occurs under the influence of the lower strains, and maintaining the body at such temperature until said inequalities of strain produced by the tempering have been reduced and the desired fragmentation characteristics obtained.

2,269,598

TOBACCO MACHINE FOR FORMING CONTINUOUS TOBACCO RODS OR FILLERS

Desmond Walter Molins, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England

Application March 6, 1939, Serial No. 260,174
In Great Britain March 29, 1938
15 Claims. (Cl. 131—84)



1. Apparatus for forming a continuous tobacco filler comprising a confining passage in which a stream of tobacco is compacted to the cross-section of the passage, a first conveyor wholly external to the passage to support and feed a stream of tobacco into the passage, guides, including side guides movable in the same direction as and at substantially the same speed as the conveyor, extending lengthwise of the first conveyor and co-operating with the first conveyor substantially wholly to confine and to compress the stream of tobacco to a cross-section smaller than that of the passage and to retain the stream in said compressed state substantially up to the point at which it enters the confining passage, and a second conveyor movable in the same general direction as and at a linear speed less than that of the first conveyor to support and move the tobacco away from the outlet of the confining passage, the length of said passage being such as to extend on each side of the point of compacting of the tobacco.

13. In apparatus for forming a continuous tobacco filler, a conveyor for a stream of tobacco, means extending continuously along a relatively long portion of the conveyor and cooperating with the conveyor substantially to enclose and to subject the tobacco stream thereon to a high compression, guides having passages formed therein and co-acting with said means and conveyor, and circulating means to circulate a cooling fluid through the passages in said guides.

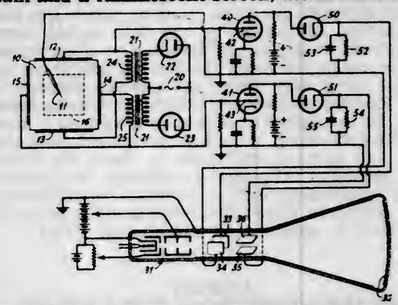
2,269,599

TELAUTOGRAPH SYSTEM

Hannah C. Moodey, Plainfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 27, 1940, Serial No. 371,902
9 Claims. (Cl. 178—19)

1. In a telautograph system a resistance tablet having substantially uniform lateral resistance over an exposed area, means to apply potentials across said tablet comprising two pairs of electrodes the electrodes of each pair being on opposite sides of said tablet, an electrically conducting stylus adapted to move over in contact with said tablet simulating a writing motion, means to apply a pulsating electric potential of the same frequency of pulsation in two directions across said tablet effective to produce pulsating potential drops across said tablet when said stylus is in contact therewith, a plurality of thermionic amplifiers having input and output electrodes, connections between at least two of said electrodes on adjacent sides of said tablet and the input electrodes of two of said amplifiers, a cathode ray tube including means to generate an electron beam and a luminescent screen, means to deflect



the said electron beam in one direction over said luminescent screen, means to deflect the beam in another direction over said luminescent screen, and connections between each of said two last-mentioned means and said two amplifiers to deflect said beam in accordance with the position of said stylus on said tablet.

2,269,600

PRODUCTION OF CARBON CHLORIDE COMPOUNDS OF THE FORMULA C_4Cl_8

Martin Mugdan, Munich, Bavaria, and Josef Wimmer, Burghausen, upper Bavaria, Germany, assignors to Consortium fur Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany, a corporation of Germany

No Drawing. Application March 31, 1938, Serial No. 199,290. In Germany April 17, 1937
13 Claims. (Cl. 260—655)

1. The process for producing a carbon chloride of the formula C_4Cl_8 from hexachlorbutene which comprises adding two atoms of chlorine by treatment with chlorine in the presence of a chlorination catalyst and removing two molecules of hydrogen chloride by treatment with a dehydrochlorination catalyst, the individual chlorination and dehydrochlorination steps being carried out in any order.

13. As a new composition of matter, a carbon-chloride compound of the formula C_4Cl_8 having a boiling point of 215° C. (760 mm.) and a melting point of about −21° C., said compound being stable at temperatures even above the boiling point.

2,269,601

PROCESS FOR THE MANUFACTURE OF ARTICLES RESISTANT TO GASEOUS CORROSION

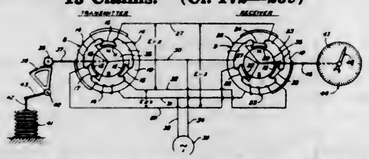
René Perrin, Paris, France, assignor to Societe d'Electrochimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France

No Drawing. Application April 22, 1939, Serial No. 269,483. In France June 2, 1934
13 Claims. (Cl. 148—7)

1. A process for improving the resistance of a metal to corrosion by a given gaseous substance, which comprises alloying with the said metal an alloying element which combines at high temperature with the gaseous substance to form a corrosion resistant compound having a dissociation pressure lower than that of the compounds

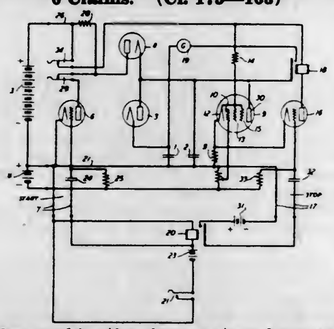
of the base metal with said gaseous substance which are formed under the same heating conditions, and subjecting the alloyed metal to a heating pretreatment in an atmosphere containing the said gaseous substance at a partial pressure above the dissociation pressure of the said compound of the gaseous substance and the alloying element but below that at which the corresponding compound of the base metal forms in amount to materially impair the effectiveness of the coating wanted for the contemplated use of the alloy and below the partial pressure of said gaseous substance to which the alloyed metal is to be subjected in actual use, and at a temperature at which the alloying element combines with the gaseous substance to form the above said corrosion resistance compound, the heating being prolonged until a compact homogeneous and adherent protective coating of substantial thickness is obtained on the alloyed metal.

2,269,602
MEANS FOR REPRODUCING MOTION
Wladimir A. Reichel, Bellerose, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Continuation of application Serial No. 259,489, March 2, 1939. This application July 10, 1940, Serial No. 344,795
15 Claims. (Cl. 172—239)



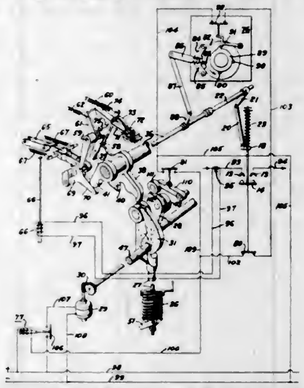
15. An electromagnetic transmitter comprising relatively stationary core means of magnetically permeable material, coil means on said core means and having polyphase connections and a single phase connection, certain of said connections being arranged for connection to a source of periodically varying current, and a rotatable magnet associated in magnetic relation with said core and coil means.

2,269,603
MEASURING DEVICE
George H. Rockwood, Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1939, Serial No. 293,777
6 Claims. (Cl. 175—183)



1. The combination in a system for measuring intervals of time of a first condenser and a second condenser, a source of voltage for charging both of said condensers, a circuit for connecting said source to said condensers, means effective at the commencement of the interval to be measured for disconnecting said source from both of said condensers to terminate the charging thereof and to isolate said first condenser to prevent it from changing its charge during said interval, means effective upon the disconnection of said source from said condensers for causing said second condenser to discharge at a constant rate throughout said interval, means effective at the end of said interval for terminating the discharge of said second condenser, and means controlled by the charges on said condensers for determining the length of said time interval.

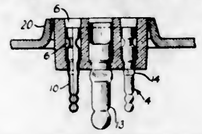
2,269,604
CIRCUIT BREAKER OPERATING MECHANISM
August C. Schwager, Millbrae, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application March 12, 1940, Serial No. 323,547
10 Claims. (Cl. 200—89)



1. In an automatic circuit breaker of the reclosing type having circuit controlling contacts normally biased to an open circuit position, the combination of an operating lever arm adapted to move said circuit controlling contacts against the action of said bias and into a circuit closed position, a pivotally mounted crank arm disposed in spaced relation with said lever arm having means at the end thereof adapted to operatively engage said lever arm, a radially operating spring means connected eccentrically to the pivotal axis of said crank arm adapted when in an overcenter position with respect to the axis of said crank arm to exert an operating force upon said crank arm and cause the means carried thereby to engage and move said operating lever arm through an arc sufficient to effect a movement of the circuit controlling contacts of the circuit breaker into their circuit closed position, a motor operated means freely engaging said pivotally mounted crank arm adapted to rotate said crank arm about its pivotal axis and against the action of said radially operating spring means, means for stopping said motor operated means when said pivotally mounted crank arm reaches a point approaching an overcenter position with respect to the effective operating center of said radially operating spring means and where said radially operating spring means will be held in an energy storing position, and means operative upon movement of the circuit controlling contacts of the

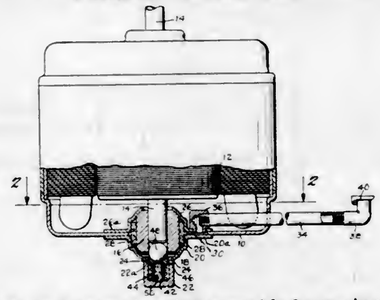
circuit breaker to their open circuit position for rendering said last means inoperative, whereby said motor operated means will operate to move said crank arm through said overcenter position where said radially operating spring means will cause the means at the end of said crank arm to engage said operating lever arm and effect a quick movement of said circuit controlling contacts into their circuit closed position independently of said motor operated means.

2,269,605
SOCKET
Newell R. Smith, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1939, Serial No. 265,091
5 Claims. (Cl. 173—328)



1. A female metal contactor for a socket, adapted to internally receive a contact pin, comprising a sheet metal member wrapped to form a tube with a contact barrel having a seam along its side, the barrel being externally swaged on its outer surface to place permanent strains in the outer surface region of its wall tending to bring the edges of the sheet along the seam together and to close said barrel upon said pin.

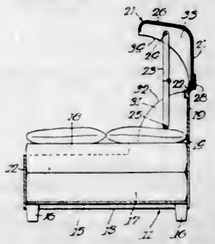
2,269,606
THRUST BEARING ASSEMBLY
Walter A. Spear, Cincinnati, Ohio, assignor to Victor Electric Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 326,026
2 Claims. (Cl. 308—158)



2. An end thrust bearing assembly for use in supporting the end of a vertically disposed armature shaft of an electric motor having an end frame, the combination including a bearing, a flanged cup-shaped member for supporting the bearing, the flange of said cup-shaped supporting member being secured to the end frame, said cup-shaped supporting member terminating in a cylindrical cavity, a capping member, a piston mounted in said cylindrical cavity, a helical spring for supporting the piston, a ball bearing mounted upon the piston and disposed between the piston and the end of the armature shaft, the piston snugly fitting the cylindrical cavity so as to function as a dash pot in supporting the shaft, means for filling the bearing, and an oil absorbent core within the helical spring for supplying oil to the pis-

ton, the diameter of the piston being greater than the diameter of the aperture in the bearing, so that the bearing retains the piston in position upon removal of the armature shaft.

2,269,607
CONVERTIBLE COUCH
Leroy J. Steffen, Kenilworth, Ill.
Application January 5, 1939, Serial No. 249,463
1 Claim. (Cl. 5—59)



In a couch-like structure, a frame comprising a container having end, front and back walls, said back wall being extended upwardly above the front wall, a mattress in said container and extending above the upper edge of the front wall and of a length and width but slightly less than said frame, arm members extending upward from the rear portion of said end walls, a one piece backrest movably connected to said back wall by butt hinge means, said rest having top, end and front walls rigidly connected together, said last named front wall extending down to said mattress when in operative position, and the end walls of said backrest resting on and flush with the end walls of said frame, said backrest cooperating with said mattress and with said back wall and the arms of said frame to form a receptacle for containing bedding, and a hinged sectional brace foldable into said container when said rest is in lowered position for holding said rest in inoperative position when said structure is used as a bed.

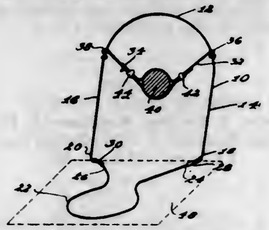
2,269,608
PREPARATION OF FINELY DIVIDED SYNTHETIC MINERALS
J. Glenn Strieby, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
No Drawing. Application July 5, 1938, Serial No. 217,642
2 Claims. (Cl. 23—129)

1. A method of producing finely divided calcium sulfite for use in coating and filling paper, which comprises passing sulfur dioxide accompanied by vigorous agitation into an aqueous reaction medium containing 1 to 20 percent sucrose and a milk of lime suspension having a temperature above 60° C. and a concentration of about 150 to 200 grams of lime per liter of reaction medium.

2,269,609
NURSING BOTTLE HOLDER OR SUPPORT
Russell C. Taylor, Chicago, Ill.
Application October 20, 1938, Serial No. 236,094
1 Claim. (Cl. 248—107)

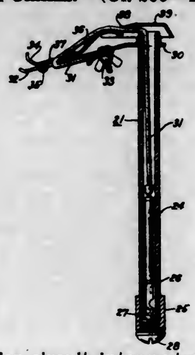
A support for nursing bottles, comprising an arcuate base member adapted to be disposed beneath the body of a nursing bottle, an upwardly extending loop portion adapted to surround a portion of

the infant's body and a bottle carrier comprising a bottle receiving loop having end straps ad-



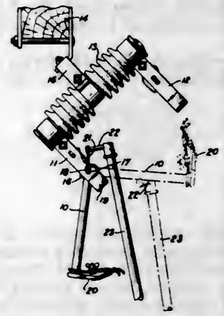
justably secured to the loop member intermediate its ends whereby said bottle may be suspended at varying vertical distances.

2,269,610
FUSIBLE CIRCUIT INTERRUPTER
Joseph S. Thompson, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application February 26, 1940, Serial No. 320,807
11 Claims. (Cl. 200—116)



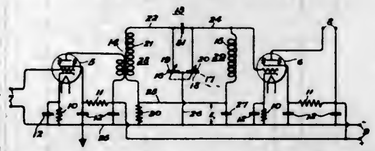
1. A fuse for circuit interrupters of the character described, comprising a tubular member of insulating material having its lower end closed by a terminal forming means which is adapted to be pivotally mounted adjacent a circuit forming contact, a second terminal secured in non-closing relation upon the other end of said tubular member having an outwardly extending flexible portion adapted to engage a second circuit forming contact, a latching means pivotally mounted upon the extending end of the outwardly extending flexible portion of said second terminal having a lever forming extension termination adjacent the open end of said tubular member, an abutment adjacent said second circuit forming contact adapted to cooperate with said latching means and hold the fuse in a circuit closed position with respect to said circuit forming contacts, a fusible element connected between the terminal at the lower end of said tubular member and extending flexible portion of said second terminal, said fusible element being passed over the lever forming extension of said latching means and adapted to normally hold said latching means in an operative position and when fused to release said lever forming extension and permit said latching means to move into an inoperative position, and means carried by said lever forming extension disposed over the open end of said tubular member and in the path of the explosive gases emanating from said tubular member upon a fusing of said fusible element adapted to move said latching means into an inoperative position and permit the fuse to move about its pivotal support and into a circuit opened position.

2,269,611
DROPOUT CIRCUIT INTERRUPTER
Joseph S. Thompson, Los Altos, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application January 13, 1941, Serial No. 374,151
9 Claims. (Cl. 200—114)



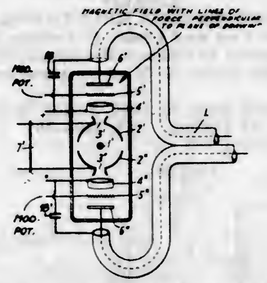
4. In a dropout fuse unit of the character described, the combination of a support having spaced cradle forming portions, a fuse unit having oppositely extending trunnions engageable with said spaced cradle forming portions to form a pivotal support for said fuse unit, a bail pivotally secured at its ends to said oppositely extending trunnions by which said fuse unit may be placed upon said supporting member while suspended from a replacing stick, and means upon said support engageable by said bail to prevent a displacement of said trunnions from said cradle forming portions when the fuse unit is in its operative position.

2,269,612
AMPLIFYING SYSTEM
Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1931, Serial No. 570,318
13 Claims. (Cl. 250—20)



1. In an electrical apparatus, a tuned oscillator circuit having tuning means interposed between high and low potential sides thereof, a fixed capacitor connected in series with said circuit in the low potential side thereof, an electric discharge device having a tuned input circuit including a high potential lead, and a cathode return lead, said input circuit and said cathode return lead being connected with said fixed capacitor whereby said capacitor is included in circuit between said tuned input circuit and said cathode return lead, and means providing fixed capacity coupling between the high potential sides of said circuits.

2,269,613
AMPLITUDE MODULATOR
Hans Jacob Ritter von Baeyer, Hans Otto Roosenstein, and Herbert Muth, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 1, 1939, Serial No. 259,136
In Germany February 11, 1938
4 Claims. (Cl. 179—171.5)



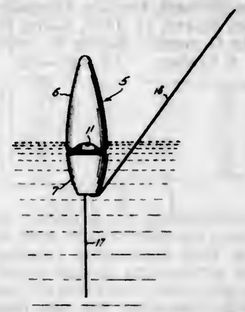
1. In an ultra-high frequency signalling system, an evacuated container enclosing an electron emission element, a plurality of oscillation generating electrodes comprising spaced surfaces points on which are at substantially equal distances from said emission element, a space between said surfaces permitting electrons emitted by said element to travel beyond said surfaces and additional electrodes including an anode and a control electrode located in the path of the electrons which pass through said last mentioned space, means connecting a pair of said oscillation generating electrodes in an oscillation generating circuit in which circuit the frequency of the oscillations generated is controlled primarily by the electron transit time between said oscillation generating electrodes, an output circuit connected with said anode electrode, said output circuit being coupled to said oscillation generating circuit substantially only by the electrons which pass beyond the generating electrodes and through said last named space, and means for modulating the potential on said control electrode to thereby modulate the electrons supplied to said output circuit from said electrodes in said oscillation generating circuit.

2,269,614
SLIDING CURRENT COLLECTOR FOR SLIP RINGS
Ekart Graf von Soden, Friedrichshafen, Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany
Application July 21, 1939, Serial No. 285,740
In Germany July 30, 1938
9 Claims. (Cl. 171—325)



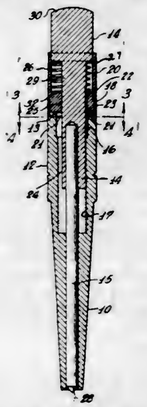
1. In a current collector for use with oil-coated slip rings the combination of: conductive brush means and means for wiping the rotating contact slip ring, said wiping means also consisting of conductive material and both means being arranged close to each other and combined to form a single unit having a ring-contacting portion composed entirely of conductive material.

2,269,615
FISHING LINE FLOAT
Charles A. Walker, Renwick, Iowa
Application April 27, 1940, Serial No. 332,084
5 Claims. (Cl. 43—49)



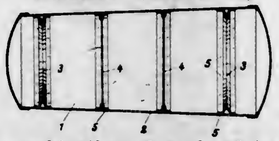
1. A float for a fishing line, said float comprising an elongated body having rounded ends and having a bore leading from one end thereof and opening through one side thereof, a peripheral groove in said body intermediate the ends thereof and into which said bore opens, said fishing line having a loop passing through said bore from the axially outward end thereof with the bight portion of the loop encircling said body within the sides of said groove, said body having a recess opening into said groove for receiving an instrument to loosen said bight in the groove.

2,269,616
MICROIMPRESSION TOOL
Peter C. Yuhase, Detroit, Mich.
Application September 4, 1940, Serial No. 355,314
2 Claims. (Cl. 81—1)



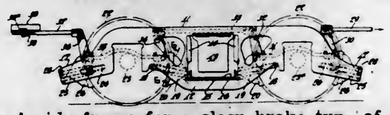
1. A gauging tool including, in combination, a body having an end engageable with an element, and having a micrometer scale thereon, a pointed stem threaded in said body and projectable beyond the end thereof, a head on said stem by which it is struck to produce penetration, a collar on said stem longitudinally movable and non-rotatably related therewith, ratchet means between said collar and body to maintain them in set position and indicating means on said collar by which the stem is set relative to said body by its position relative to the micrometer setting.

2,269,617
LIQUID TANK OR CONTAINER FOR USE IN VEHICLES AND AIRCRAFT
Walter Borstel, Dessau-Siedlung, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application March 11, 1938, Serial No. 195,263
In Germany March 20, 1937
6 Claims. (Cl. 220—71)



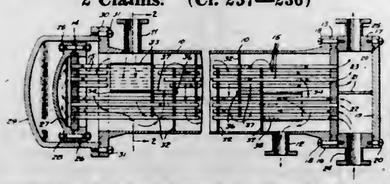
1. The combination of a closed tank having a wall, a brace member within said tank having a portion in face contacting relation with the wall, spaced connecting means secured directly to said face contacting portions of the brace and of the wall and securing the two together, each of said means being secured directly to an area of said brace portion and an area of said wall portion, the relative strength of each of said areas and its respective securing means being such that excess strain at the point of securement first ruptures the secured area of the brace member, thereby leaving a series of spaced holes therein and freeing the brace from the wall without rupturing the latter.

2,269,618
CAR TRUCK FOR BRAKE BEAMS OF CLASP TYPE
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application May 24, 1938, Serial No. 209,679
13 Claims. (Cl. 188—212)



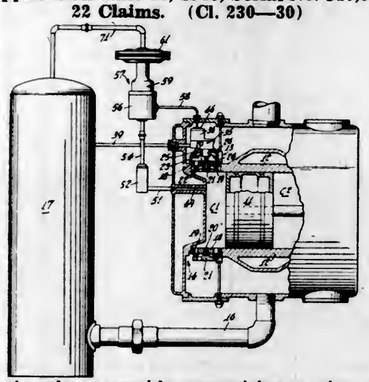
1. A side frame for a clasp brake type of car truck, wherein end extensions of the frame are provided, each extension having an inclined brake-beam guide along its inward side, the plane of inclination to intersect the axis of an adjacent car wheel.

2,269,619
HEAT EXCHANGER
Samuel J. Carpenter, Woodbridge, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application June 18, 1940, Serial No. 341,097
2 Claims. (Cl. 257—236)



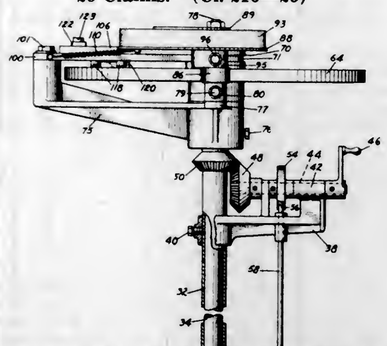
2. Heat exchange apparatus comprising a shell having an opening through which fluid enters the shell and an opening through which fluid leaves the shell, tubes in the shell, spaced baffles opposed transversely of the tubes for directing the flow of fluid through the shell between the openings, a wrapper baffle in the shell between the tubes and the shell in the region of at least one of said openings and substantially in engagement with one of said transverse baffles, rods secured to the end portions of said wrapper baffle, said rods extending through said one transverse baffle and the baffle adjacent thereto and terminating adjacent the far side of said last mentioned baffle, and means for removably securing the rods to said baffles.

2,269,620
COMPRESSOR REGULATOR
Clarence E. Cox and Lester L. Collins, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1940, Serial No. 340,666
22 Claims. (Cl. 230—30)
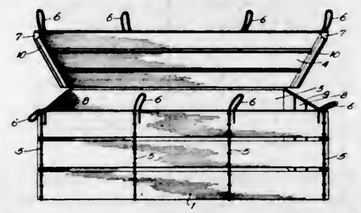


1. A valve assembly comprising a ring valve arranged to prevent the passage of air through the assembly, a second ring valve arranged to prevent the passage of air through the assembly, a yielding means urging the first said valve to effective position, a yielding means urging the second said valve to ineffective position, and means for moving the second said valve toward effective position.

2,269,621
TAPING MACHINE
William Alfred Davis and Bernard H. Davis, Hamilton, Ontario, Canada, assignors to The Aridor Company (Canada) Limited, Hamilton, Ontario, Canada
Application October 3, 1940, Serial No. 359,524
25 Claims. (Cl. 216—29)



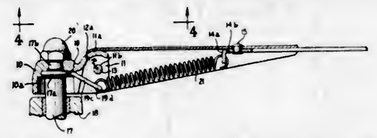
22. A machine for wrapping tape about an article comprising, in combination, a support to position an article exposed for wrapping tape thereabout, a tape dispensing carrier supported for revolution about the article positioned upon the support, and means causing the carrier during each revolution to dispense an excess of tape over that required for the wrap about the container and adapted to maintain the tape taut between the container and carrier during wrapping.

2,269,622
SHIPPING CONTAINER
Adrian P. Downing, Winter Haven, Fla.
Application August 2, 1939, Serial No. 287,859
6 Claims. (Cl. 217—47)



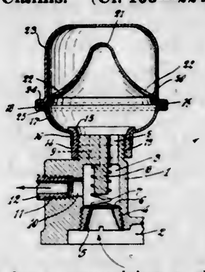
2. In a shipping container having an open side and thin end walls normally bulging outwardly when said container is packed, a closure panel for said open side having end cleats on its inner face, said cleats each having a cam surface on its lower inside edge to cammingly engage the free edge of a respective outwardly bulging end wall and slidably force the same inwardly as said closure panel is positioned to close the open side of said container, said cam surface meeting the inside surface of the cleat so as to provide a substantial abutment for the end panel which is cammed in.

2,269,623
WINDSHIELD WIPER ARM
Louis B. Ehrlich, Toledo, Ohio
Application May 20, 1939, Serial No. 274,753
2 Claims. (Cl. 15—255)



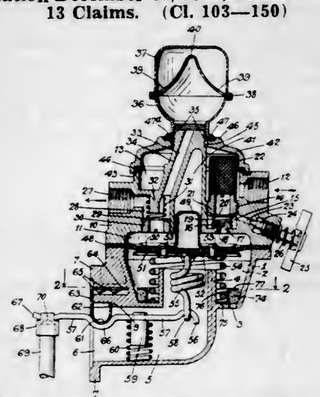
1. In a device of the class described, a shouldered driving member, a non-frangible driven member having an aperture adapted to be seated on the shoulder and to form a driving connection therewith, a cup-shaped housing of relatively frangible material having an aperture in its base concentric with the driven member and adapted to be positioned above the driven member to embrace the driven member, a lateral integral projection on the driven member adapted to project through an aperture in the side of the cup-shaped housing, a channel-shaped lateral projection on the housing around the lateral projection of the driven member, a channel-shaped member embracing the channel-shaped lateral projection, journal means transverse of the axis of the driving member to alloy relative rotation between the channel-shaped lateral projection and the channel-shaped member, resilient means acting between the lateral projection of the driven means and the channel-shaped member to restrain relative rotation with the channel-shaped lateral projection in one direction, and an elongated arm cooperating with the channel-shaped member adapted to drive a squeegee.

2,269,624
VAPOR DOME
Charles A. Erickson, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application July 12, 1940, Serial No. 345,137
2 Claims. (Cl. 103—224)



1. A vapor dome comprising a closed housing a single inlet and outlet means therefor comprising a passage member secured to said housing, a baffle, positioned within said housing above said inlet means and provided with a raised portion extending away from said inlet means, said raised portion being imperforate, said baffle being perforated away from said raised portion.

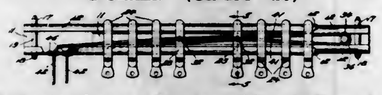
2,269,625
PUMP
Charles A. Erickson, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application December 20, 1940, Serial No. 370,992
13 Claims. (Cl. 103—150)



1. In combination in a pump, pump actuating means, a hollow housing formed of a plurality of separable members, one of said members forming a chamber to receive said pump-actuating means, a second of said members forming a part of a pump chamber and providing support for valve parts, and a third of said members comprising a cover for said second member, and a diaphragm positioned within said pump, an inlet passage to said pump chamber, a valve positioned to control said inlet, an outlet passage from said pump chamber, a valve positioned to control said outlet passage, said second housing member provided with a portion having an internal guiding

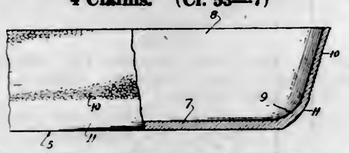
chamber, there being a guide positioned on said diaphragm and adapted normally to be loosely guided in said chamber, and a passage formed in said second housing member and in the portion thereof in which said guiding chamber is formed and extending away from the direction normally taken by outgoing liquid, and a closure for said last-mentioned passage.

2,269,626
CURTAIN ROD
Charles P. Henry, Cranston, R. I.
Application January 2, 1940, Serial No. 312,022
1 Claim. (Cl. 156—20)



A master hanger for use with a hollow slotted curtain rod equipped with an operating cord, said hanger having an opening in a side thereof adapted to align with the slot in the curtain rod and to receive the operating cord therethrough, said opening having means for releasably holding the received cord against movement relative to the hanger.

2,269,627
COOKING UTENSIL
Carl W. Hellberg, Chicago, Ill., assignor to Club Aluminum Products Company, Chicago, Ill., a corporation of Delaware
Application January 22, 1940, Serial No. 314,927
4 Claims. (Cl. 53—7)



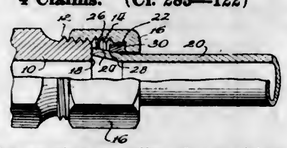
1. A metallic cooking utensil including a bottom and an upstanding side wall, the upper portion of said side wall having a denser structure than the lower portion which joins the bottom, the upper portion having a relatively rough external surface, the external surface of said lower portion being relatively smooth.

2,269,628
BLACKBOARD
Leon R. Kolovsky, Chicago, Ill., assignor to Weber Costello Company, Chicago Heights, Ill., a corporation of Illinois
Application July 3, 1940, Serial No. 343,825
9 Claims. (Cl. 35—66)



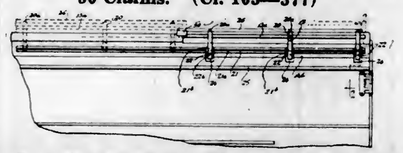
1. A writing board comprising a vulcanized hard rubber base containing finely divided particles of mineral filler containing crystalline silica substantially uniformly distributed throughout the entire internal structure of said body and bonded together by the said hard rubber base, said rubber and said mineral filler being present as ingredients in said body in a ratio of not substantially more than six (6) nor substantially less than two and one-half (2.5) parts of mineral filler to about one (1) part of rubber, by weight.

2,269,629
TUBE COUPLING
Hans Kreidel, Wiesbaden, Germany
Application June 10, 1939, Serial No. 278,473
In Germany February 9, 1939
4 Claims. (Cl. 285—122)



1. A tube or pipe coupling for making a fluid-tight seal comprising a body having an end face, a tube of hard metal having a flared end portion such that its inner diameter at the extremity is not substantially greater and preferably slightly less than the normal outer diameter of the tube, the end surface of said tube being substantially frusto-conical to form a circular edge for substantially line contact with the end face of said body and rigid annular means cooperating with said body and having a relatively sharp inner edge engaging the outer surface of said flared portion of the tube to press the extremity of the tube perpendicularly against the end face of the body, thereby to form a fluid-tight seal between the extremity of said tube and the end face of said body.

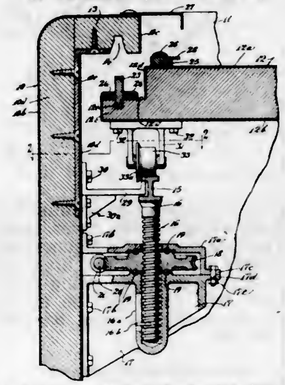
2,269,630
TRANSPORTATION BODY
Carl Marinello, Chicago, Ill.
Application March 23, 1940, Serial No. 325,605
30 Claims. (Cl. 105—377)



1. In a transportation body having vertically extending side walls and a stationary roof portion secured to the upper edges of said side walls and covering a portion of said body; a movable roof section for closing and covering the remainder of said body, said movable roof section being adapted to be first moved vertically and then horizontally to unseal the same; track rails on each side wall of said body and mounted below their upper edges respectively; angular brackets on said movable roof section having downwardly extending portions extending below said tracks respectively; and rollers rotatably mounted on the downwardly extending portions of said brackets and adapted to ride on said tracks; each of said tracks having spaced apart recesses therein positioned to correspond with said rollers respectively said rollers providing first for rolling movement on said tracks and said track recesses permitting maximum descent of said movable roof section into sealed position

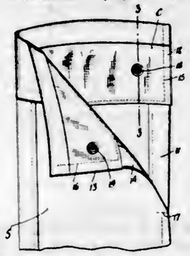
upon the upper edges of said side walls, said movable roof section being adapted to be rolled on said track rails longitudinally of said body and into superposed position to said stationary roof portion.

2,269,631
TRANSPORTATION BODY CONSTRUCTION
Carl Marinello, Chicago, Ill.
Application March 29, 1940, Serial No. 326,888
25 Claims. (Cl. 105—377)



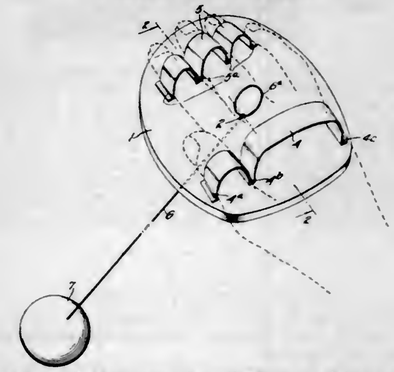
1. In a transportation body having an opening, a longitudinally, upwardly and downwardly movable closure for said opening; flange elements on said closure for engaging portions of said body to form a seal; substantially coplanar track rails mounted on said body; roller elements rotatably mounted on said closure element and adapted to ride on said track rails, and manually actuable jacks mounted on the side walls of said body and when operated adapted to disengage said roller elements from said track rails and to elevate said closure element out of closing position to permit longitudinal sliding movement thereof, the downward movement of said jacks being adapted to mount said closure into seated closing position.

2,269,632
ROBE
Jack Markowitz, Newark, N. J.
Application May 2, 1940, Serial No. 332,860
1 Claim. (Cl. 2—270)



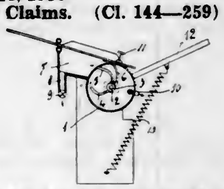
In a sleeve of the character described comprising a sleeve portion and a cuff portion, said sleeve and cuff portions having a continuous slit formed therein cutting the sleeve portion longitudinally from a point intermediate the elbow portion and cuff portion through the far edge of the cuff portion to form two free side edges; a retaining flap extending laterally from one of the free side edges of the cuff, a snap fastener carried by the outer portion of said flap, a complementary cooperating snap fastener member secured to the inner surface of the cuff adjacent the other free side edge of the cuff, whereby the retaining flap may be turned inwardly of the cuff in the normal position of the cuff so that its snap fastener may be secured to the complementary snap fastener on the interior of the cuff, and whereby when the cuff is turned back over the sleeve the retaining flap may be folded over the exterior of the turned-up cuff with its snap fastener disposed in an inward position to engage the complementary snap fastener on the turned-over portion of the cuff.

2,269,633
TOY
George Merle, Brooklyn, N. Y.
Application May 6, 1940, Serial No. 333,541
1 Claim. (Cl. 273—97)



A toy of the class described comprising a disc having a countersunk opening, a plurality of ribbons securely mounted on the face of the disc, the ribbons so mounted so as to provide openings for the hand and fingers, a strand of elastic material passed through the countersunk opening in the disc, one end of the elastic strand being looped and detachably mounted on the finger of the hand of the operator of the disc and the free end of the elastic strand securely mounted in a ball.

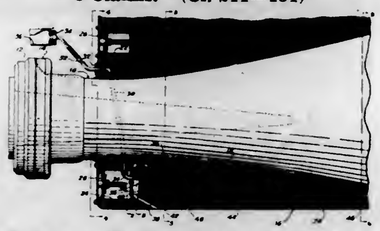
2,269,634
MOLDING SHEETS OF WOOD
Karl Michaëlis, The Hague, Netherlands, assignor to Thomas V. Michaelis, New York, N. Y.
Original application October 8, 1937, Serial No. 168,035. Divided and this application November 9, 1937, Serial No. 173,574. In Germany November 14, 1936
2 Claims. (Cl. 144—259)



1. A device for dry-bending wood panels or the like comprising in combination, a heating chamber open on one side and adapted to be closed on that side by the panel to be bent, means for filling said chamber with hot gas adapted to heat

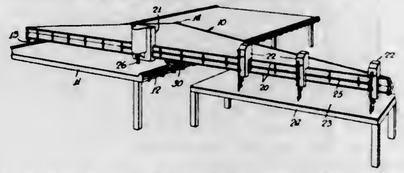
the entire inner side of the panel part to be bent, and means arranged at one end of said heating chamber for bending the panel in the heated state.

2,269,635
DEICER FLUID DISTRIBUTOR
Edward Mosehauer, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 27, 1940, Serial No. 371,854
8 Claims. (Cl. 244—134)



1. In a propeller blade having a rounded blade shank surrounded by a shank cuff, a de-icing fluid distribution system comprising, a fluid receptacle, a plurality of conduits leading from said receptacle to different stations along the leading edge of said cuff, and means including a body of porous material in said receptacle for providing a desired distribution of de-icing fluid between the individual conduits leading from said receptacle.

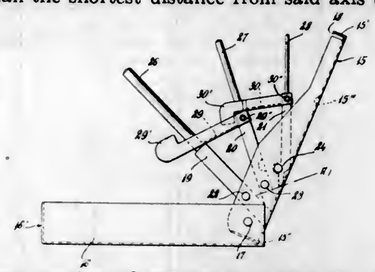
2,269,636
TORCH CUTTING MACHINE
Chester Mott, Evanston, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application February 24, 1941, Serial No. 380,143
14 Claims. (Cl. 266—23)



1. A torch cutting machine comprising a carriage movable along a predetermined path, a tracer and a cutting torch supported on and movable with said carriage and for movement in unison along the carriage in a direction at right angles to said path, a fixed rack gear extending parallel to the path of movement of said carriage, a fly wheel on said carriage, a transmission between said rack gear and said fly wheel for rotating said fly wheel by the movement of said carriage, a prime mover, and means independent of said fly wheel, gear and transmission for propelling said carriage.

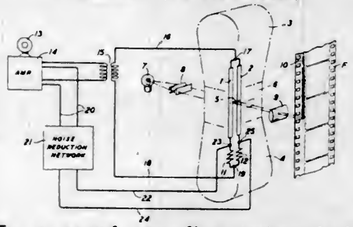
2,269,637
DRILL CABINET
Bernard Leonard Polkosnik, Bridgeport, Conn., assignor to Abraham Rosenberg, New York, N. Y.
Application April 8, 1940, Serial No. 328,499
3 Claims. (Cl. 206—17)

1. In a drill cabinet of the character set forth, a box member, a cover member hinged thereto, a number of drill trays positioned between the box and cover members, pivotally mounted near their lower ends to the cover member along spaced non-colinear axes respectively; all such axes being parallel to the line of the cover hinge connection and forward of each other; each drill tray having a point at its bottom at a greater distance from the axis of its pivotal connection, than the shortest distance from said axis to the



cover member, whereby upon opening the cabinet by an upward swing of the cover member, the drill trays will automatically assume spaced and relatively radial positions, and upon closing of the cabinet by a downward swing of the cover member, said drill trays will be automatically swung towards each other and become housed within the cabinet.

2,269,638
RECORDING SYSTEM
Ray R. Scoville, Los Angeles, Calif., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1938, Serial No. 240,502
7 Claims. (Cl. 179—100.3)

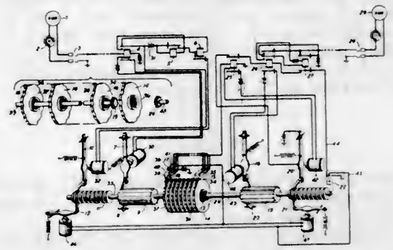


1. In a sound recording system including means for producing a rectangular beam of light, a light valve including a pair of spaced parallel conducting ribbons for defining the vertical edges of said rectangular beam of light, means for forming an image of said ribbons on a film, means for vibrating said ribbons laterally in parallel relation in accordance with the sounds to be recorded, and means for laterally vibrating said ribbons in opposite directions in accordance with the envelope of the amplitude variations of the sound to be recorded.

2,269,639
PULSE REGENERATOR
Karl D. Swartzel, Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1940, Serial No. 358,811
7 Claims. (Cl. 179—18)

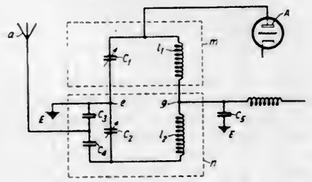
1. A pulse repeater for repeating a plurality of trains of pulses comprising a like plurality of rotatable members mounted on a common center line, a shaft mounted on said common center line provided with means for rotating each said

member separately, means responsive to trains of pulses for successively moving said shaft into engagement with said members, means responsive to the pulses of said trains of pulses for rotating said members, a second shaft mounted on said common center line provided with means for rotating each said member separately, auto-



matic means for successively moving said second shaft into engagement with each of said members and for rotating each of said members a distance corresponding to the distance each had been rotated by said first shaft, and means controlled by said last-named means for transmitting pulses.

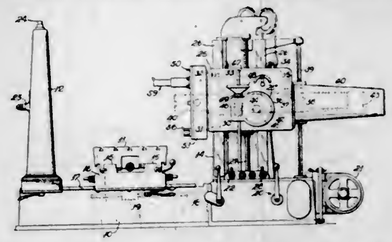
2,269,640
TRANSMITTER
Ritter Thom, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 10, 1940, Serial No. 352,056
In Germany March 18, 1939
7 Claims. (Cl. 250—17)



1. Transmitter arrangement especially for short waves, with the characteristic feature that the oscillation circuit of the transmitter to which the antenna is coupled, comprises two parallel arms, one of which includes at least two coils in series, the midpoint between these two coils being grounded by way of a condenser, while the other arm contains in series two rotary condensers, a point between the said two condensers being grounded, a capacitive voltage divider being connected in parallel relation to one of the said rotary condensers, with the antenna being associated with the said voltage divider.

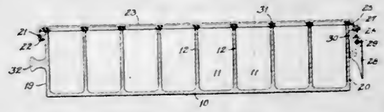
2,269,641
MACHINE TOOL
Raymond M. Woytych, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application June 7, 1939, Serial No. 277,757
9 Claims. (Cl. 29—26)

1. For use in a machine tool having a rotatable drive member, a tool support attachment embodying a housing rotatable with said drive member, said housing being formed with a guideway transverse to the axis of rotation, a tool holder slide mounted on said guideway, and means including a speed-change gearing mounted within said housing for traversing said slide along said guideway in timed relation to the housing rotation and at a speed determined by the setting of said speed-change gearing, said speed-change



gearing including a plurality of gears arranged to be driven in a series gear train, a plurality of independently rotatable driven gears each meshing with a different gear in said train, and means for connecting any selected one of said driven gears in driving relation with said slide.

2,269,642
ICE TRAY
Oscar U. Zerk, Chicago, Ill.
Application May 3, 1938, Serial No. 205,708
15 Claims. (Cl. 62—108.5)

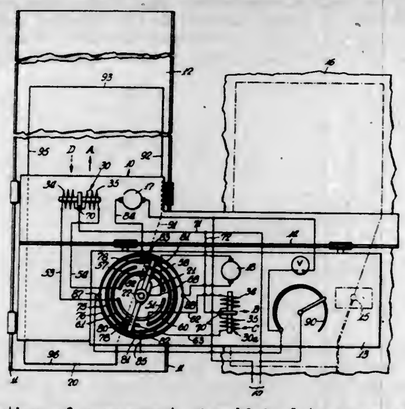


1. A tray comprising a liquid receiving compartment, the compartment having interior walls defining a division of space produced by the rotation of an isosceles trapezoid about its long base to provide a similarly formed frozen unit which may be removed from the compartment by exerting pressure eccentrically of the unit, its exterior walls comprising relatively thin arcuately laterally divergent side walls, and a bottom wall of substantially lesser width than the overall width of the compartments in more upwardly disposed portions, its bottom surface being substantially flat whereby intimate thermal engagement may be had with a flat refrigerating surface on which the tray is placed.

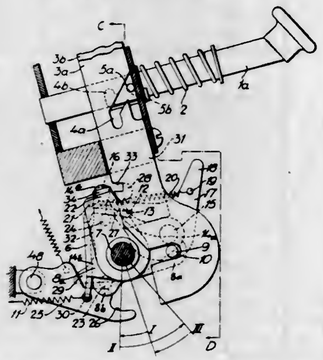
2,269,643
CUTTING MACHINE
Richard Bechtle and Erich Habermehl, Frankfort-on-the-Main, Germany, assignors to Messer & Co. G. m. b. H., Frankfort-on-the-Main, Germany, a company of Germany
Application March 14, 1941, Serial No. 383,332
In Germany November 24, 1938
8 Claims. (Cl. 266—23)

1. A machine for operating a tool comprising a first carriage guided for straight line movement only in one direction, a tool carrying carriage supported for movement with said first carriage in said direction and movable relatively thereto only in a crosswise straight line direction, an electric motor for driving each of said carriages, a rheostat of the ohmic resistance type for controlling the speed of each of said motors, and means for automatically varying the resist-

ance of said rheostats to a predetermined resultant value, and in accordance with the direction of movement of said tool to move said tool at a constant predetermined speed.

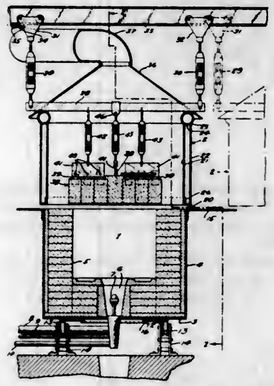


2,269,644
KEYLOCK FOR CASH REGISTERS
Knut Folke Bratt, Stockholm, Sweden, assignor to Kooperativa Förbundet, Förening u. p. a., Stadsgarden, Stockholm, Sweden
Application August 24, 1938, Serial No. 226,433
In Sweden August 31, 1937
2 Claims. (Cl. 235—27)



1. A key lock for a calculating machine having amount key banks, each including a number of spring pressed keys, and at least one special key, said key lock comprising in combination, a single detent slide for each amount key bank, respectively, each of said detent slides assuming normally a predetermined position, cooperating means on each amount key and associated detent slide, respectively, whereby, upon depression of any key in one of said amount key banks, the corresponding detent slide is first temporarily displaced from and then permitted to return to said predetermined position thus locking the depressed key, a locking element normally arresting all said detent slides in their predetermined positions thereby preventing depression of any amount key, coupling means between each special key and said locking element whereby the latter is shifted to a release position when a special key is depressed, a spring controlled member to arrest said locking element in its release position, cam-controlled means to lock all said detent slides in their predetermined positions at the beginning of each working stroke and for the duration of the calculating phase thereof, cam-controlled means to temporarily displace the detent slides, which lock depressed amount keys, from their predetermined positions after completion of the calculating phase of each working stroke to release said depressed keys, and cam-controlled means to disengage said spring controlled member from said locking element at the end of each working stroke to permit return of said locking element to its normal position.

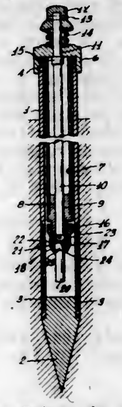
2,269,645
FORGE
James H. Browning, Great Neck, N. Y., assignor to Topping Brothers, New York, N. Y., a corporation of New York
Application July 18, 1939, Serial No. 285,051
4 Claims. (Cl. 110—3.5)



1. A forge of the kind described comprising in combination a vertical furnace, a stack having the lower edge thereof of substantially the same perimeter as the upper edge of the furnace with the lower edge thereof spaced from but adjacent to the upper edge of the furnace, the stack including a lower section adjacent the furnace having a substantially vertical hollow wall and a substantially frustro conical hood above the lower section engaging the upper edge thereof in gas tight engagement, an air supply conduit communicating with the interior of the hollow wall, and means for forming an air screen between the lower edge of the stack and the edge of the furnace including a series of air orifices spaced about the lower edge of the stack and directed to effect a deflection of the air streams striking the edge of the furnace into the stack.

2,269,646
GROUND ANCHOR
James P. Burke, Knoxville, Tenn., assignor of one-half to John W. Greene, Knoxville, Tenn.
Application July 11, 1940, Serial No. 344,953
4 Claims. (Cl. 189—92)

1. An explosive holder for a ground anchor comprising an elongate tubular member having a cap on one end adapted to be secured to a ground anchor to seal the same, a removable shell holder on the other end of said tubular member adapted to receive an explosive shell of the percussion type, a firing pin slidably mounted in said tubular member with one end extending through said cap and its other end disposed adjacent a shell in said holder, and a spring yieldingly holding the firing pin out of contact with the shell in the holder.



2,269,647
PROCESS OF NEUTRALIZING ACID TREATED LUBRICATING OIL DISTILLATES AND THE LIKE
Arthur E. Catanach and Eric Kolthoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 15, 1940, Serial No. 313,972
10 Claims. (Cl. 196—41)

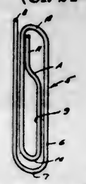
1. An improved process of neutralizing an acid treated oil of the lubricating type, derived from a petroleum distillate of high neutralization number, which comprises substantially neutralizing the mineral acidity of said oil without neutralizing the organic acidity thereof by means of caustic soda solution, treating the partially neutralized oil with a rosin soap solution to settle out mineral salts and soaps therefrom, and neutralizing the organic acidity of said oil with caustic soda solution.

2,269,648
VISCOMETER
Samuel F. Cole, Washington, D. C.
Application October 25, 1937, Serial No. 170,947
5 Claims. (Cl. 265—11)



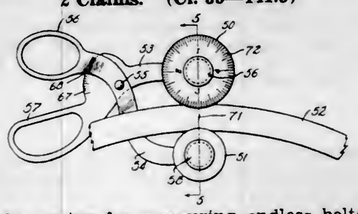
1. A viscometer comprising in combination a constant level supply chamber a plurality of concentric tubular members including a transparent upper member communicating with the supply chamber, a constricted intermediate member, and an elongated lower member, the said upper member being provided with a single orificed closure in the lower end thereof and with means to prevent the turbulent flow of liquid therein, and the intermediate member having flared ends corresponding to the diameter of the upper and lower members.

2,269,649
PAPER CLIP
James H. Comley, East Orange, N. J.
Application April 18, 1941, Serial No. 389,247
1 Claim. (Cl. 24—261)



A paper clip comprising a single length of resilient wire bent upon itself and embodying a pair of inner and outer loops disposed in a common plane, the sides of the loops being parallel and the sides of each loop being spaced from those of the other, said loops having corresponding rounded ends one spaced outwardly of the other and the inner loop having a straight terminal end portion laterally offset out of said common plane.

2,269,650
MEASURING APPARATUS
John M. Cooney, Cincinnati, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 15, 1940, Serial No. 335,282
2 Claims. (Cl. 33—141.5)

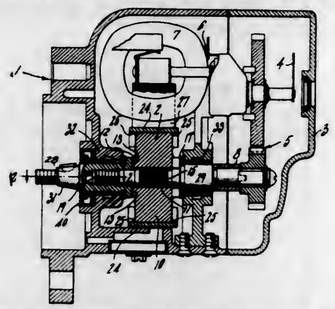


1. Apparatus for measuring endless belts and other flexible elongate articles, said apparatus comprising a pair of pivoted scissor handles, a shaft rigidly mounted on one of the handles at its end opposite the grip, a rotatable drum member mounted on said shaft for rotative and axial movement with respect thereto, a threaded shaft mounted at the corresponding end of the other handle parallel to said first shaft, a measuring drum having a threaded bore and engageable with said threaded shaft and means on said threaded shaft and said last named drum for indicating the extent of rotation of the drum.

2,269,651
ROTOR FOR ELECTRIC GENERATORS
William D. Crocker, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application August 24, 1940, Serial No. 353,993
5 Claims. (Cl. 171—209)

1. In a rotor for generators; a cast permanent

magnet having a shaft hole which is unmachined for at least a part of its axial length, and also having a locating surface; and extending through said hole, a shaft having a knurled section of a material softer than said magnet and of an axial length of at least the unmachined length of said hole; at least a portion of the top surfaces of said knurled section being deformed, as a result



of being forced into said hole and thereby shaved off by said magnet, to provide a smooth friction fit with the unmachined bounding wall of said hole throughout a substantial part of the periphery thereof and a substantial part of the axial length thereof, and the axis of said shaft extending through said hole at a predetermined angle to said locating surface.

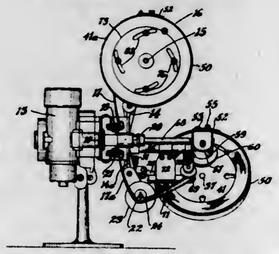
2,269,652
METHOD FOR THE PREPARATION OF ISOCYTOSINE
Jackson P. English and Richard Owen Roblin, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 6, 1941, Serial No. 405,686
14 Claims. (Cl. 260—251)

1. A method of producing isocytosine which comprises reacting a guanidine salt with the reaction product of fuming sulfuric acid and a compound having the formula:

$$\begin{array}{l} R{-}OCH{-}COOR_1 \\ | \\ CH_2{-}COOR_1 \end{array}$$

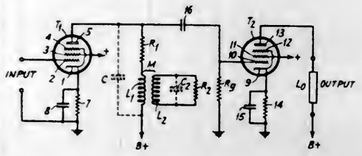
in which R, R_1 and R_2 are members of the group consisting of hydrogen and alkyl, at least one of which is alkyl.

2,269,653
FILM WINDING APPARATUS
John E. O. Feller, Canton, Ohio
Application December 20, 1939, Serial No. 310,195
8 Claims. (Cl. 88—18.7)



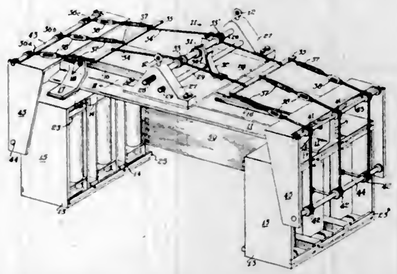
1. In combination with a motion picture projector having a feed reel shaft, a feed reel mounted on said shaft and means for passing a film from said feed reel through the projector, apparatus for rewinding the film with the leading end outermost including a pivoted arm, a rotatable receiving drum carried by the arm and comprising a side plate and a removable peripheral ring, a driving roller extending into the open side of said drum so that the peripheral ring rests by gravity upon said roller, and means for rotating said driving roller to deliver the film to the interior of said drum and rotate the drum so as to coil the film within said ring.

2,269,654
VIDEO AMPLIFIER
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 22, 1940, Serial No. 336,551
5 Claims. (Cl. 179—171)



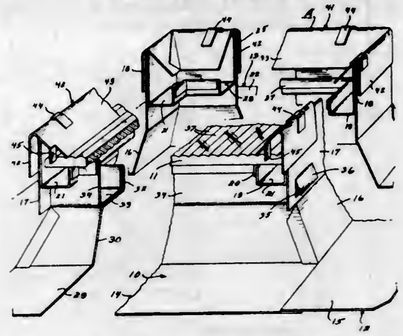
1. A circuit arrangement for the uniform amplification of a wide range of frequencies, comprising an amplifier, a load circuit connected to the plate of the amplifier comprising a resistance and an inductance which serves as a peaking coil, a second circuit comprising at least inductance and resistance, the second circuit being inductively coupled to the inductance of the load circuit whereby the effective value of said load circuit is made to vary with variation of applied frequency.

2,269,655
APPARATUS FOR MINIMIZING DISTORTION OF ALUMINUM AND SIMILAR SHEETS
John C. L. Foultz, Tarentum, Pa.
Application May 10, 1940, Serial No. 334,367
5 Claims. (Cl. 266—2)



1. A sheet-supporting apparatus for use in sheet-tensioning operations, comprising a support member, two cages mounted in spaced relation on said member, means for adjusting the position of one such cage along said member, a plurality of sheet-clamping devices supported by each such cage with the devices of one cage movably supported thereby and tension-imparting means carried by said support member for simultaneously moving all said movable devices to impart tension to the sheets engaged thereby.

2,269,656
PUTTYLESS VENTILATED SKYLIGHT
Thaddeus C. Fowler, Huntington, W. Va.
Application February 8, 1940, Serial No. 317,943
8 Claims. (Cl. 108—16)



1. A puttyless ventilated skylight comprising an open frame unit provided with marginal gutters each having an upstanding supporting flange, a glass panel unit resting on the supporting flanges, one of said units having a series of recesses at the zone where the glass panel unit rests on said supporting flanges of the frame unit, forming a series of small air spaces at the under side of the panel along the upper edges of the flanges, and a yieldable retaining flange engaging the upper surface of the panel at the sides and one end of the frame.

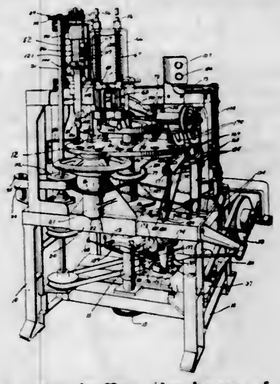
2,269,657
DECORATIVE ARTICLE
Edward P. Franke, Baltimore, Md.
Application May 13, 1941, Serial No. 393,195
7 Claims. (Cl. 41—10)



1. A decorative article comprising a skeleton frame work, a covering disposed over the frame work comprising a decorative material formed of a plurality of stiff strands twisted together and a web of flexible material spiralled between the strands and disposed in a multiplicity of overlapping folds, the decorative material being spiralled about the framework and the stiff strands thereof cooperating with the skeleton frame work to form a rigid structure.

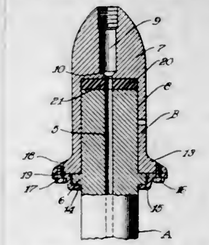
2,269,658
VALVE BUFFING AND POLISHING MACHINE
Everett D. George and Harold M. Brown, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 6, 1940, Serial No. 323,888
2 Claims. (Cl. 51—170)

1. A machine for buffing the valves of inner tubes comprising a frame, a valve support, a valve carrier, of rotatable valve supports thereon, means for rotating said valve supports



and means for buffing the bases of the valves while mounted on said supports.

2,269,659
ROCK DRILL ATTACHMENT
William Glowaski, St. Paul, Minn.
Application June 10, 1940, Serial No. 339,818
3 Claims. (Cl. 285—161)



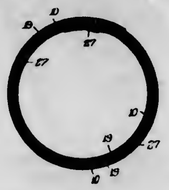
1. An attachment for a drill having a shank provided with an air passage therethrough and an external annular shoulder, respectively, comprising a cup-shaped capping body forming a socket for receiving the said shank to a point of the external shoulder thereon and engaging the same and having an air inlet communicative with the air passage in said shank, means on the body for releasably engaging the lower face of the external shoulder on said shank to hold the shank in said body in engagement with the shoulder, and a perforated washer within the body between the socketed shank and the inlet in said body and having the perforation registering with the air passage in said shank and the said inlet.

2,269,660
METHOD OF PREVENTING THE ADHESION OF RUBBER
George E. Griffin, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 2, 1938, Serial No. 193,515
6 Claims. (Cl. 91—68)

1. The method of preventing the adhesion of tacky rubber stock to rubber stock [illegible] sisting of coumarone and

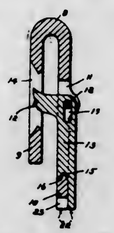
mixtures thereof, and evaporating the solvent to deposit on the rubber a continuous film consisting solely of the said resin.

2,269,661
LAMINATED DISPENSING TUBE AND METHOD OF MAKING SAME
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application April 8, 1938, Serial No. 200,868
Renewed March 1, 1940
10 Claims. (Cl. 154—2)



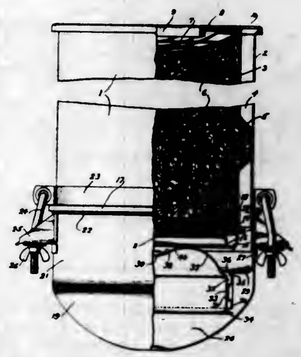
1. The process of making a tube which comprises laminating to the under side of an intermediate web a web of rubber material having a marginal adhesive portion extending therebeyond, laminating to the upper side of said intermediate web an outer web of decorative material having an opposite marginal adhesive extension, winding the composite web about itself in tube form with said rubber web constituting the inner layer thereof, heat sealing said rubber web to its extension, and heat sealing said decorative web to its extension.

2,269,662
SAFETY CLIP
Reinhard Guyot, Los Angeles, Calif.
Application April 16, 1941, Serial No. 388,863
5 Claims. (Cl. 24—248)



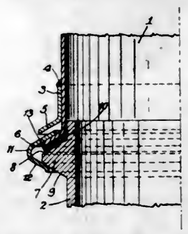
2. A safety-clip comprising a back-portion connecting oppositely disposed shanks between which material may be inserted for clip-holding, one shank having an aperture into which the inserted material may be depressed to be firmly engaged in the clip, the other shank having also an aperture with a supporting pin traversing the aperture and a locking edge in the far end of the aperture and facing the side of the pin, a locking member having an elongated hole for swingably and shiftably engaging said pin and having a portion to project into and become centralized in the aperture of the first-named shank for holding the inserted material in the clip against lateral displacement and having furthermore a notch for engagement with said locking edge in locking position of the locking member with respect to the clip.

2,269,663
AIR CLEANER
Theodore W. Hallerberg and Frank Sebok, Chicago, Ill., assignors to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application April 29, 1940, Serial No. 332,130
8 Claims. (Cl. 183—15)



8. In an air cleaner of the liquid bath type, a casing having a liquid sump therein, and a baffle construction in said casing adjacent said sump, said baffle construction including an outer annular scoop member, a concave member spaced below the scoop member and extending therebeneath, another concave peaked member inwardly of the first concave member, each of said concave members terminating in a vertical wall portion, said wall portions confronting each other in spaced relationship to define an opening in the nature of an annulus establishing communication between opposite sides of said baffle construction.

2,269,664
SEAL CONSTRUCTION
Theodore W. Hallerberg, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application March 14, 1941, Serial No. 383,333
5 Claims. (Cl. 285—129)

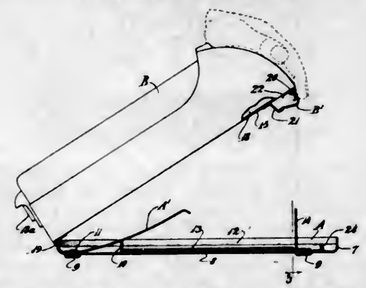


1. In combination, a fluid intake tube having on its outside a flange, and a fluid discharge tube shaped and adapted to be positioned about said intake tube, and a retainer positioned on said discharge tube above its lower end, and a clamp ring having separated ends and means for drawing said ends together, said clamp ring being positioned about the end of said discharge tube and beneath said retainer, said clamp ring adapted, when the two tubes are placed together, to engage the flange of said intake tube and to overlie the lower surface of said flange, said clamp shaped and adapted, as its ends are drawn together, to have a camming action on the lower surface of the flange of said intake tube to draw the two tubes progressively together as the clamp is tightened.

2,269,665
PREPARATION OF CELLULOSE MEAL
Walter Herbst, Danzig-Oliva, Free State of Danzig
No Drawing. Application December 24, 1938, Serial No. 247,691. In Germany July 23, 1935
13 Claims. (Cl. 99—10)

1. A process for the production of cellulose meal which includes the preparatory step of treating cellulose with approximately 1 to 6% acid for 1 to 60 minutes, in particular mineral acid, until the treated cellulose can in its wet swollen condition be ground until it loses its fibrous structure and terminating such treatment while the cellulose is still in a condition in which dry grinding yields a meal which consists mainly of fragments of fibre.

2,269,666
AUTOGRAPHIC REGISTER
Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application April 12, 1940, Serial No. 329,379
5 Claims. (Cl. 282—17)

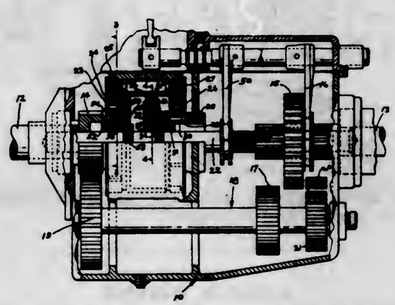


1. An autographic register comprising: an open-top tray-like base in the form of a record compartment; a register casing hinged to the rear end of said base and forming a closure for said record compartment; a leaf spring having one end secured to said base near said hinged connection and extending forwardly over said record compartment so as to form a partial closure therefor and serve as a guide for stationery slips thrust into the compartment; a fulcrum on said base holding said leaf spring in elevated position with the free end portion of said spring bearing against the bottom of the register casing to urge it into raised position; and a spring latch adapted to hold the casing in its lower position against the pressure of the leaf spring.

2,269,667
REFINING OF OILS, FATS, AND WAXES
Hugo J. Kauffmann, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application January 27, 1940, Serial No. 316,047
2 Claims. (Cl. 260—423)

2. The method of refining oils, fats and waxes which comprises generating chlorine dioxide and an inert gas in the presence of but in a zone in contact with and below the oil, fat or wax to be bleached whereby the mixed gases diffuse into the material to be bleached.

2,269,668
AUTOMATIC TRANSMISSION
Rex E. Keller, Beverly Hills, Calif.
Original application March 14, 1934, Serial No. 715,513. Divided and this application March 29, 1940, Serial No. 326,708
8 Claims. (Cl. 74—336)

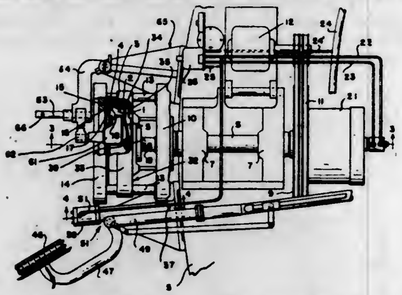


1. An overdrive transmission having in combination a driving shaft and a driven shaft, an overrunning clutch having an element thereof adapted to be rotated by said driving shaft and a driven element adapted to be driven in one direction thereby, an internal gear drivingly connected with said driving shaft, an external gear of smaller diameter in constant mesh with said internal gear, a centrifugally actuated clutch including a drum provided with a bolt-engaging recess drivingly connected with said external gear for rotation therewith and at a rate faster than that of said driving shaft and a core nested within said drum and provided with a tensioned bolt movable responsive to centrifugal force resulting from the rotation thereof at a predetermined rate, a slidable shaft splined to said driven shaft and provided with a pair of spaced clutch elements, means for shifting said slidable shaft for coupling the clutch elements thereof with said overrunning clutch driven element and said core, respectively, to provide a one-way driving connection between said driving and driven shafts and for driving said core at a rate lower than that of said drum, said centrifugally actuated clutch being provided with means associated with said bolt and operable for holding the same out of said recess until the relative rotation between said drum and core has been substantially eliminated, said bolt upon movement thereof into said recess being adapted to provide a driving connection between said shafts around said overrunning clutch and at a higher ratio than that provided by said one-way driving connection.

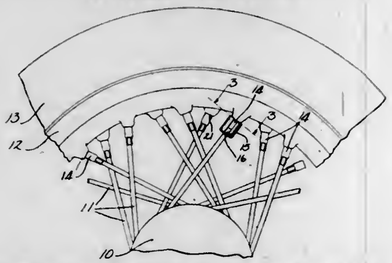
2,269,669
CASTING MACHINE
Michael H. Kelly, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application December 26, 1939, Serial No. 310,988
8 Claims. (Cl. 22—65)

1. In a casting machine, the combination with means for rotatably supporting an annular member, of a gas burner insertable within the annular member for heating the same, other means engageable with the external surface of the annular member for rotatably supporting the same, means for simultaneously moving said gas burner from within the annular member and

for moving said other means into engagement with the annular member, and means for pouring fluid material into the annular member when heated and supported.

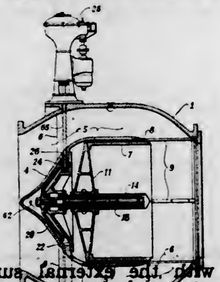


2,269,670
BALANCE WEIGHT
Edward H. Kieckbusch, Milwaukee, Wis., assignor to Harley-Davidson Motor Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1941, Serial No. 393,709
4 Claims. (Cl. 301—5)



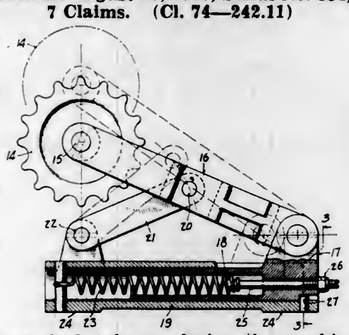
1. The combination with a wheel spoke having a coupling nipple at its outer end, of a balancing weight having a key hole slot, the narrower portion of which substantially corresponds in width to the diameter of the spoke and the wider portion of which is adapted to receive the nipple, when the weight is forced into pressed fit relation thereto.

2,269,671
TUBE VALVE
Phillip A. Kinzie, Denver, Colo.
Application May 31, 1939, Serial No. 276,593
5 Claims. (Cl. 137—139)



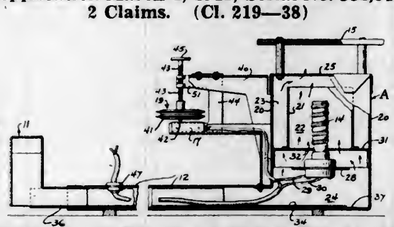
engageable with the external surface of the annular member for rotatably supporting the same, means for simultaneously moving said ears [illegible] and connecting with the valve outlet, a closure tube slidably mounted inwardly of said fluidway, means to move said closure tube axially of said tube comprising a threaded stem, a nut tube on said threaded stem, a thrust tube attached to one end of the nut tube, a torque tube extending between said nut and thrust tubes, splined means to prevent relative rotation between the nut and torque tubes, a crosshead slidably mounted on the torque tube and connected to the closure tube, means connecting the thrust tube to said crosshead, and means to rotate said stem exteriorly of the valve.

2,269,672
TENSIONING DEVICE
Hermann Klaucke, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 28, 1940, Serial No. 354,572
7 Claims. (Cl. 74—242.11)



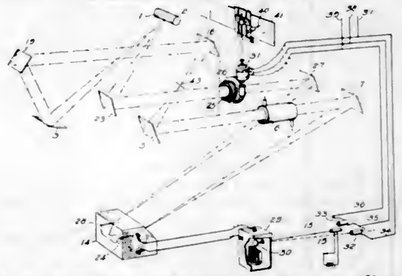
1. In a slack take-up device, the combination of a tensioning member, means for supporting said tensioning member in a plurality of positions, and spring tensioning means applying substantially uniform pressure through said idler in all take-up positions said tensioning member moving in a straight line at right angles to said spring tensioning means.

2,269,673
ELECTRIC AIR CONDITIONING APPARATUS FOR BROODERS
Jesse E. Kresky, Petaluma, Calif.
Application March 4, 1941, Serial No. 381,645
2 Claims. (Cl. 219—38)



1. An air-conditioning unit for a brooder comprising a housing, an adjustable fresh air intake operated solely by thermal currents communicating with said housing, two vertical air ducts connected with the intake of said housing, a heating element in one of said ducts, the other of said air ducts constituting an air jacket, an apertured baffle plate above the two ducts whereby the two air currents are united above the heating element and maintained at [illegible] temperature [illegible] taining a substantially uniform temperature.

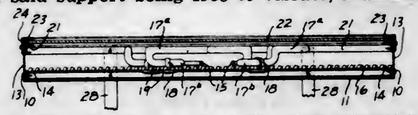
2,269,674
METHOD FOR PHOTOMETRIC ANALYSIS
Urner Liddel, Greenwich, and Robert Bowling Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 22, 1939, Serial No. 291,298
5 Claims. (Cl. 250—43)



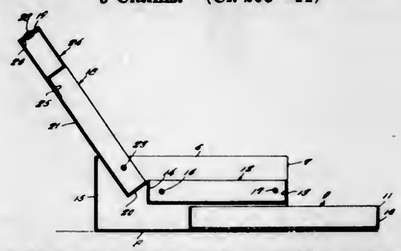
1. A recording apparatus for the recording of variations in a process producing a product having a plurality of components one of which is characterized by a strong absorption band in the infrared spectrum by transforming variations of concentration of the compounds into electric currents which comprises in combination a source of infrared radiation, means for forming a plurality of beams from said source, monochromating means in at least one of said beams, a hollow body of material transparent to the monochromatic infrared radiation located in the monochromatic beam, a detector for infrared radiation capable of transforming radiation energy into electric current, means for focusing the monochromatic beam after passing through the hollow body onto said detector, mechanically operated means for varying the intensity of the other beam, means for focusing the other beam after passing through the intensity varying means onto a second infrared radiation detector capable of transforming radiation energy into electric energy, the output of the two detectors being connected in opposite phase, a mirror galvanometer, means for causing the current from the radiation detectors to pass through said galvanometer so that the movement of the galvanometer mirror is proportional to a function of the difference in infrared energies striking the two detectors, means for impressing a beam of visible light on said reflecting surface whereby a reflected beam is produced, photosensitive controlling means located so as to be struck by the reflected beam at different energy levels on the detectors, means actuated by said photosensitive controlling means to operate the varying intensity of one of the infrared beams in a direction so as to maintain a predetermined range of energy level differentials on the detectors, and recording means actuated by said photosensitive controlling means to produce a record of variations with time of the energy of the monochromated beam after passing through the hollow body.

2,269,675
ILLUMINATED SIGN FOR VEHICLES
William H. Livingston and James H. Hughens, Birmingham, Ala., assignors to Preston Y. Whitman, Birmingham, Ala.
Application July 18, 1940, Serial No. 346,178
6 Claims. (Cl. 40—130)

5. An illuminated sign comprising a box-like frame, a transparent cover therefor, a marginally extending frame fitting snugly within the box-like frame, a support for illuminating tubing formed of cloth and stretched tightly over said marginally extending frame, the central portion of said support being free to vibrate, illuminating tubing having portions forming advertising indicia and other portions connecting the advertising indicia, and clips passing through said cloth at its central portion and around the connecting portions of said tubing.

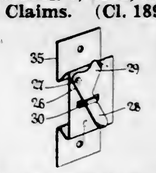


2,269,676
DISPLAY AND SHIPPING CONTAINER
Arthur J. McDonald, Watertown, Mass.
Application August 22, 1939, Serial No. 291,414
5 Claims. (Cl. 206—44)



1. A display and shipping container comprising a body of generally rectangular tray-form having its front side open, a conformably shaped bottom tray slidable on the bottom and between the end walls of said body, a stationary tray secured to and between the end walls of said body, the rear of said stationary tray being spaced from the rear wall of the body and also spaced above the bottom of the body and a cover of inverted tray-form pivoted to and between the said end walls of said body at a point between said stationary tray and the rear wall of said body, said cover being free of the rear wall of the body and swingable to an open position in which a portion of the cover supportably engages the rear wall for limiting rearward swinging movement of the cover.

2,269,677
BUILDING CONSTRUCTION
John J. Manofsky, Warren, Ohio, assignor to National Gypsum Company, Buffalo, N. Y.
Application March 7, 1941, Serial No. 382,108
11 Claims. (Cl. 189—88)



1. Building construction comprising an elongate wall trim strip having transversely spaced formations at its rear face for engagement with locking means, and locking means comprising a lever pivotally attached to the building and having a pair of angularly disposed projecting arms, said arms being each adapted to engage one of said transversely spaced formations to support said trim strip in assembled position

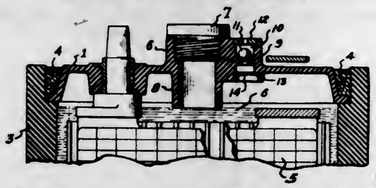
by engaging one of said arms with one of said formations and rotating said lever by transverse movement of said trim strip to direct the other of said arms into firm engagement with the other of said formations.

2,269,678
METHOD OF MANUFACTURING COIL STRUCTURES
Leopold Mauerer, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application June 2, 1939, Serial No. 277,044
10 Claims. (Cl. 29—155.5)



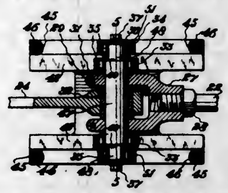
1. The method of making a coil assembly which comprises the steps of winding a pair of coils of substantially equal width with substantially rectangular disposed flat sides and ends and with the sides of one shorter than the sides of the other, placing a cylindrical form within the shorter coil with the axis of the form parallel to the coil sides, placing the longer coil over the shorter coil and form in such relation thereto that the sides are parallel to the axis of the form and the sides of one coil are adjacent the openings between the sides of the other, deforming the coil sides to the cylindrical contour of the form and securing them in such position, and deforming the ends outwardly around the form.

2,269,679
RELIEF AND SIGNAL APPARATUS FOR STORAGE BATTERIES
Richard Millenaar, Holland, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application November 15, 1939, Serial No. 304,591
6 Claims. (Cl. 136—178)



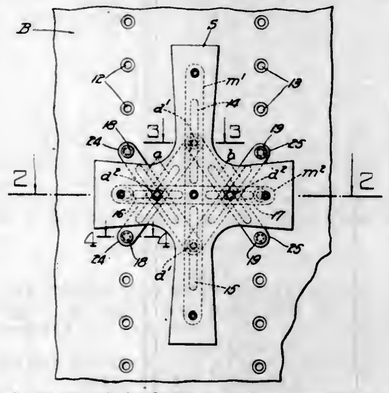
1. A cell cover for electric storage batteries having a top provided with a filler opening having walls defining a tubular extension extending sufficiently below said top to provide a gas collection space above the electrolyte in said battery when the level of said electrolyte is substantially at the downward termination of said tubular extension, said cell cover having a gas venting opening in its top at a place removed from said filler opening, and an automatically acting, weight operated check valve in connection with said gas venting opening, said valve acting to prevent passage of gas from said gas collection space through said gas venting opening until said gas is of sufficient pressure to open said valve, said valve having a mass sufficient at least in part to counterbalance a column of electrolyte in said tubular extension, whereby upon filling said battery through said filler opening, as soon as the electrolyte level has reached the downward end of said tubular extension it will be caused to rise therein, thus giving an overfill signal.

2,269,680
CROSSHEAD
Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 15, 1938, Serial No. 202,149
4 Claims. (Cl. 308—6)



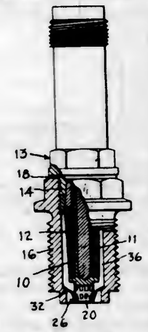
1. A device of the character described, comprising a crosshead having two arms, a wrist pin to extend through and beyond said arms, inner and outer anti-friction rollers on each end of the wrist pin beyond said arms, bearings between the inner rollers and the arms, plates to separate the inner and outer rollers, securing plates abutting against the outer rollers to retain said rollers on the wrist pin, screws to secure said securing plates to the wrist pin, and support means for the crosshead having pairs of opposed guide surfaces on opposite sides of the crosshead to engage said rollers.

2,269,681
FOUNDATION GARMENT
Matthew A. Nathanson, Brookline, Mass.
Application September 7, 1939, Serial No. 293,656
9 Claims. (Cl. 128—96)



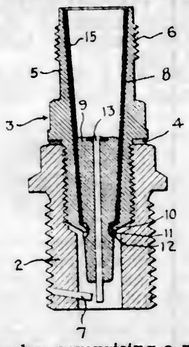
9. A garment including a body portion; an auxiliary support; flexible connections between said support and said body portion, said connections comprising a plurality of inflexible elements arranged in intersecting relation in pairs at opposite sides of said support; and flexible connections between each of said pairs of elements and said support.

2,269,682
SPARK PLUG
George M. Paulson, New York, N. Y.
Application June 15, 1940, Serial No. 340,659
17 Claims. (Cl. 123—169)



1. In a spark-plug, an electrode comprising a sheet metal grill, and a second electrode with surface areas confronting the surfaces of the grill and spaced from said surfaces to make the spark gap of substantial lateral extent.

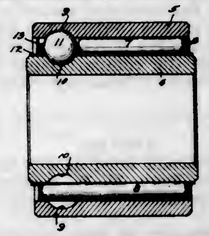
2,269,683
SPARK PLUG
George M. Paulson, New York, N. Y.
Application November 23, 1940, Serial No. 366,803
6 Claims. (Cl. 123—169)



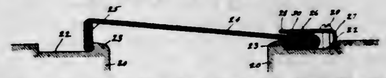
1. A spark-plug comprising a metal body having a downwardly tapered opening, a correspondingly tapered ceramic core body, said metal body extending above said ceramic body to constitute a radio-shielding barrel, and cushioning insulation interposed between the tapered seating surfaces of said bodies and extending upward as a lining for said barrel.

2,269,684
BEARING
Howell L. Potter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application September 11, 1940, Serial No. 356,257
6 Claims. (Cl. 308—174)

1. A bearing of the character indicated including inner and outer race rings having cylindrical raceway surfaces thereon, said raceways intermediate the ends thereof having complementary raceway grooves for balls, bearing rollers interposed between said rings and fitting said cylindrical raceway surfaces, some of said rollers extending between balls in said ball raceway grooves and serving as spacing members for said balls, some of said rollers extending only from the balls to the ends of the rings.

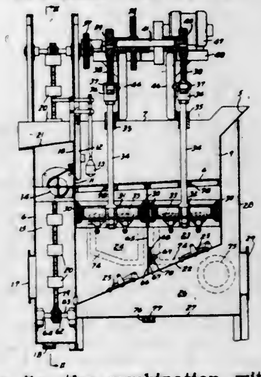


2,269,685
DIAPHRAGM
William C. Potthoff, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application June 5, 1936, Serial No. 83,687
12 Claims. (Cl. 105—15)



1. In a train or the like construction the combination with spaced relatively movable sections, the outer surfaces of which are recessed peripherally substantially parallel to their ends to form abutment surfaces adjacent their ends, of a flexible diaphragm having means at the opposite edges thereof arranged within the recesses of the respective sections and abutting against said abutments, and clamping means for holding said portions of said diaphragm in operative position within said recesses.

2,269,686
PULSATING JIG
William C. Prickett and Quin W. Stuart, Birmingham, Ala.
Application May 29, 1939, Serial No. 276,340
12 Claims. (Cl. 209—457)



1. In a jig, the combination with a hutch

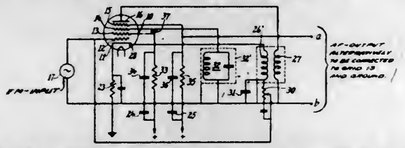
divided into a plurality of compartments, a perforate deck over the compartments for receiving material to be treated, automatic valve means to supply water to the compartments, and pumping plungers in each of the compartments, of means to vary the pumping action of the plungers comprising means to drive the plungers with their pumping strokes partially overlapping, and a valve between the compartments for restricting the flow of water from one compartment to the other.

2,269,687

FREQUENCY DISCRIMINATOR

Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York

Application February 14, 1941, Serial No. 378,907
18 Claims. (Cl. 250—20)



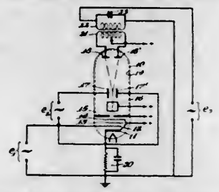
12. A frequency discriminator comprising an electron discharge tube provided with means for producing a concentrated electron space charge, means for subjecting said space charge to a dual control in accordance with a common high frequency input wave at a varying relative phase in accordance with the relative frequency departure of said wave from a predetermined frequency, an output electrode in the vicinity of said space charge biased so as to substantially prevent a steady electron current thereto, an external circuit connected to said output electrode including load impedance means adapted to develop high frequency output energy, and amplitude modulation detecting means for demodulating said output energy.

2,269,688

ELECTRONIC MODULATOR

Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York

Application February 24, 1941, Serial No. 380,103
16 Claims. (Cl. 179—171.5)



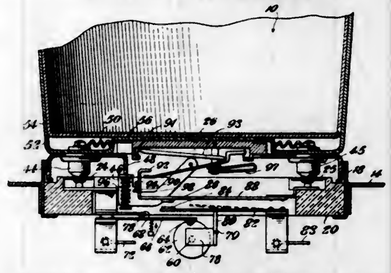
1. A system for mutually intermodulating a pair of alternating current energies comprising an electron discharge tube provided with means for producing an electron space current, means for initially controlling the intensity of said space current in accordance with one of said energies, means to form a virtual cathode from the controlled space current means for concentrating electrons supplied by said virtual cathode into a beam of predetermined cross-section, means for deflecting said beam cross-wise to its normal axis, anode means arranged for impingement by said beam, further means for controlling said deflecting means in accordance with the other of said energies, an output circuit connected to said anode means, and means in said output circuit for utilizing a component of the output current being a function of the product of said first and second energies.

2,269,689

ELECTRIC COOKING VESSEL AND STAND

Ludwig Reichold, Winsted, Conn.

Application January 8, 1941, Serial No. 373,551
17 Claims. (Cl. 219—43)



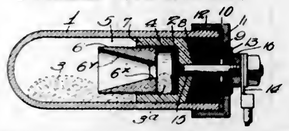
1. Cooking equipment comprising a support, a vessel having an electric heating element permanently associated therewith, said vessel being adapted to be supported by said support and to be removed therefrom, an electric circuit for supplying electric energy to said element, a mechanism which is responsive to heat received by said mechanism and which is associated with said support and positioned to receive heat from said vessel whereby it is responsive to temperature changes in said vessel, said mechanism being adapted for controlling said supplied energy.

2,269,690

ELECTRIC CIRCUIT BREAKER

Ernst W. Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois

Application September 5, 1935, Serial No. 39,308
5 Claims. (Cl. 200—152)



1. A mercury switch comprising a metallic cup-shaped envelope having an open end, a ceramic in said end having an axial bore, an electrode having radial and axial seating engagement in the outer end of said ceramic and having its periphery spaced from said envelope by said ceramic, resilient sealing means engaging said ceramic and envelope, a rigid insulating gasket for axially compressing said sealing means, and an annular compression ring engaging said gasket and having an internal diameter such that it overhangs the periphery of said electrode.

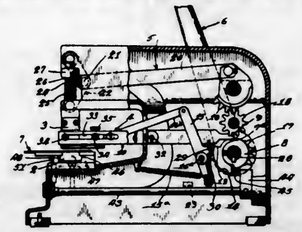
2,269,691

IMPRESSION MACHINE

Edward G. Rix, Chicago, Ill., assignor to American Perforator Company, Chicago, Ill., a corporation of Illinois

Application August 24, 1939, Serial No. 291,654
9 Claims. (Cl. 101—318)

1. An ink impression device comprising a pair of impression members mounted for relative movement toward and from each other, a pivotally mounted track member, an ink applying member reciprocable on said track member to move into and out of the space between said impression members, spring means acting on said track tending to tilt it to force the ink applying member into ink applying position, and actuating



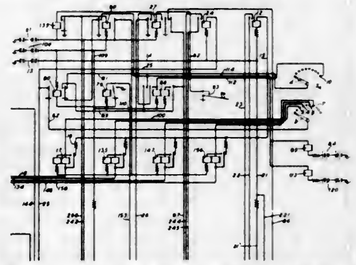
means for positively tilting said track against the action of said spring means to move the ink applying member away from ink applying position, for moving said ink applying member along said track to move it from between said impression members and for causing relative movement of said impression members to effect the printing operation.

2,269,692

ALARM SIGNALING SYSTEM

Victor E. Rosene, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 31, 1937, Serial No. 161,743
5 Claims. (Cl. 177—353)



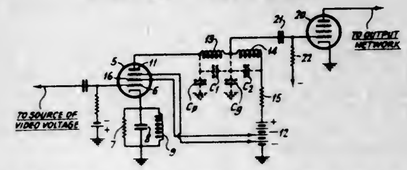
1. In a system for transmitting alarm signals between repeater stations, a first station, a second station, a normally energized circuit interconnecting said stations, a first and a second relay included in said circuit, a selector switch at said first station having a plurality of terminals, a selector switch at said second station having a corresponding number of terminals each of which is associated with a signal control device, alarm originating means at said first station, means responsive to the operation of said alarm originating means for marking one of the terminals of the selector switch at said first station and for altering the electrical characteristic of said interconnecting circuit to cause the actuation of said first relay, an interrupter at said section station responding to the operation of said first relay to step the selector at said second station, means responsive to the operation of said interrupter for again altering the electrical characteristic of said interconnecting circuit to effect the actuation of said second relay, means controlled by said second relay for stepping the selector at said first station and causing it to hunt for the marked terminal, and means operating in response to the arrival of the first station selector at a marked terminal for similarly marking a corresponding terminal of the selector at said second station to cause the operation of the signal control device associated therewith.

2,269,693

WIDE RANGE AMPLIFIER CIRCUITS

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 26, 1939, Serial No. 301,319
2 Claims. (Cl. 179—171)



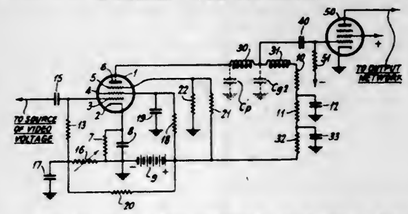
1. A wide range video amplifier capable of amplifying frequencies up to approximately 9 megacycles comprising an electron discharge tube of the type including input and output electrodes, a video input circuit connected to the input electrodes, a load circuit including resistive and reactive components connected between the output electrodes, said reactive component tending to produce an undesirable deviation in the frequency response characteristic at the high frequency end of the range, and a reactive network in the space current path of said tube, common to the input and output circuits of the tube, for compensating for said undesirable deviation, said reactive network comprising the shunt connection of a resistance, a capacitance and an inductance between the tube cathode and ground and being resonant to the high frequency end of the video range and having its impedance matched to that of the reactive component of the output load circuit at said end of the range, and said load circuit comprising a low-pass filter and a resistance in series.

2,269,694

UNIFORM RESPONSE WIDE BAND AMPLIFIER

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 26, 1939, Serial No. 301,320
1 Claim. (Cl. 179—171)



In a video amplifier network capable of amplifying frequencies in a range up to approximately 9 megacycles, an electron discharge tube provided with at least a cathode, a signal grid and an output electrode, a source of video voltage coupled between the signal grid and cathode, a self-biasing network comprising a resistor of relatively high magnitude of the order of 400 ohms located between said cathode and at a point of relatively fixed potential, means for applying the direct current voltage developed

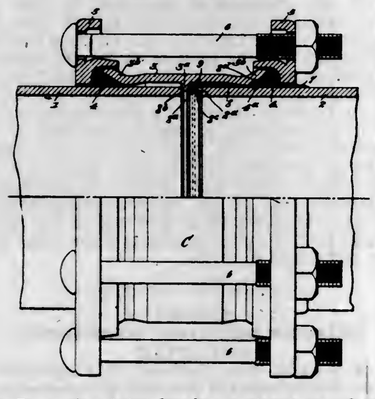
across said resistor to said signal grid, means for applying a direct current potential of positive polarity to said signal grid in opposition to said bias resistor voltage thereby to reduce the voltage applied to the signal grid to a normally low negative bias value, a capacity of the order of 1.0 microfarad shunted across said bias resistor, a pair of inductances and a load resistor serially connected between the output electrode and cathode of said tube, a correction network consisting of a resistor arranged in series with said load resistor, a condenser shunting said correction resistor, said correction network having its constants chosen to compensate for a decrease in response at the low frequency end of the video range, said correction network and biasing network having substantially equal time constant values, and a second amplifier tube having its input electrode coupled to the common terminal between said pair of inductances included in the output circuit of the first tube.

2,269,695

INSULATING COUPLING

Paul B. Scharf, Bradford, Pa., assignor to Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania

Application April 4, 1941, Serial No. 386,807
7 Claims. (Cl. 285—196)



1. In a pipe joint having a sleeve member surrounding the end portion of a pipe and forming therewith an annular gasket recess, a gasket in said recess, clamping means for applying pressure to the gasket to seal the joint and a surface adapted to abut the end face of the pipe, means for insulating said sleeve from the pipe comprising a stiff sleeve formed of non-frangible electrical insulating material surrounding the pipe and projecting beyond the end thereof with the projecting portion turned inwardly and curled to form an undulating annular flange of substantially greater axial extent than the thickness of the insulating material.

2,269,696

HOSE FASTENER AND THE LIKE

Joseph Shaulson, Providence, R. I.

Application June 22, 1940, Serial No. 341,822
5 Claims. (Cl. 24—200)

2. A garter buckle comprising a substantially flat strip of rigid material of generally rectangular form, the upper portion of said strip having an opening, spaced parallel bars extending across said opening, one of said bars having a central gap, said opening and bars constituting means for frictionally releasably attaching the buckle to a garter strap or the like, and the lower



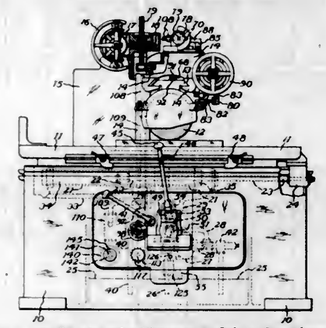
portion of said strip having three cooperating spaced openings adapted to frictionally releasably retain a stocking or the like threaded therein.

2,269,697

SURFACE GRINDING MACHINE

Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 18, 1940, Serial No. 361,759
4 Claims. (Cl. 51—92)



1. In a surface grinding machine having a base, a work supporting table thereon, a rotatable grinding wheel, a wheel slide to support said wheel for a transverse movement relative to the table, a vertically movable slide to support said wheel for movement toward and from the table, a fluid pressure system including a piston and cylinder operatively connected to reciprocate said table, a table actuated reversing valve arranged to change the direction of movement of the table, a second piston and cylinder operatively connected to traverse said wheel slide, a second reversing valve which is arranged to convey fluid under pressure to one end or the other of said second cylinder, a metering valve to control the exhaust of fluid from said second cylinder, a normally closed valve which is opened automatically by and in timed relation with the shifting of the table reversing valve, and a pressure actuated stop and start valve located between the normally closed valve and the metering valve so that released pressure on said second piston forces a measured quantity of fluid from the other end of the wheel slide cylinder to produce a predetermined transverse movement of the grinding wheel at the end of the table stroke.

2,269,698

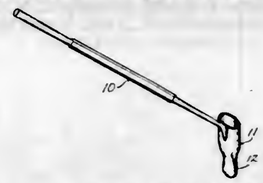
DENTAL TOOL

Earl C. Stangel, Manitowoc, Wis.

Application March 4, 1940, Serial No. 322,121
3 Claims. (Cl. 32—40)

1. A dental tool comprising a paddle-like labial retractor having a receptacle comprising a cup-shaped upwardly extending portion the body of which is flatly tubular and an elongated handle extending obliquely in an upward direction from

one side of the tubular portion in a plane normal to the flat side of the paddle, said cup-shaped



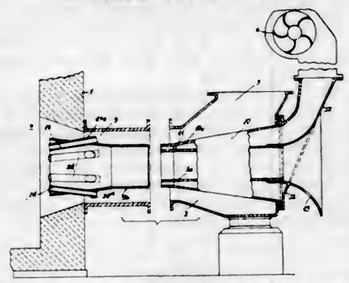
extension being substantially flattened in general correspondence with the paddle.

2,269,699

FUEL BURNER FOR AIR HEATING APPARATUS

Julius Stoecker and Arthur Rein, Bochum, Germany; Hildegard Stoecker, née Grabemann, sole heiress of Julius Stoecker, deceased, assignors to Askania-Werke A. G., a corporation of Germany

Application May 23, 1938, Serial No. 209,616
In Germany March 25, 1937
1 Claim. (Cl. 158—109)



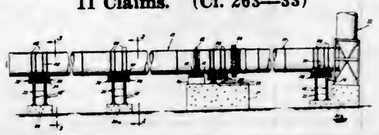
In a gas burning furnace having a combustion chamber, a gas burner comprising an outer gas tube and a main inner air tube for passing gas and air separately through the burner, said main inner air tube having an additional air tube extending within and coaxially with the main air tube outwardly from the burner with an open outer end to provide a "sight" tube for the burner to permit an unobstructed view through said additional tube into the burner, and fan means arranged to force air through the main inner air tube and to induce air flow through the additional air tube into the burner.

2,269,700

KILN SUPPORTING MEANS

Michael Treshow, West Los Angeles, Calif., assignor to Monolith Portland Cement Company, a corporation of Nevada

Application May 20, 1940, Serial No. 336,085
11 Claims. (Cl. 263—33)



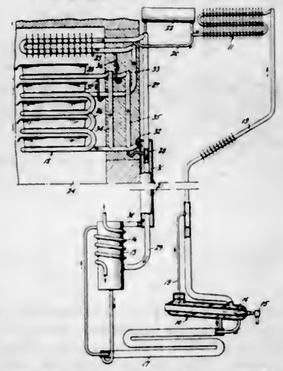
1. In combination, a kiln, foundation means beneath said kiln, upright kiln supporting members resting on said foundation means at points spaced longitudinally of the kiln, said supporting members being free to tilt a limited distance in a plane parallel to the longitudinal axis of the kiln, and means interposed between said kiln and each of said supporting members for rotatably mounting said kiln.

2,269,701

REFRIGERATION

Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 7, 1938, Serial No. 200,570
6 Claims. (Cl. 62—119.5)



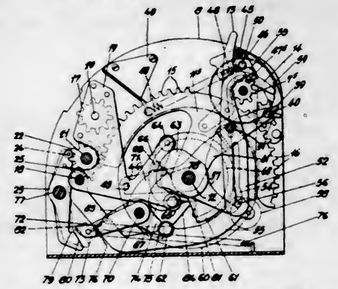
1. A method of refrigeration which includes conducting liquid refrigerant fluid in a downward path of flow and flowing auxiliary fluid in the presence of liquid first in an intermediate part of said path of flow and then counter-current to the liquid in the remaining parts of said path of flow.

2,269,702

CASH REGISTER AND THE LIKE

Karl Matts Vigborg, Stockholm, Sweden, assignor to Kooperativa Förbundet, Förening U. P. A., Stockholm, Sweden

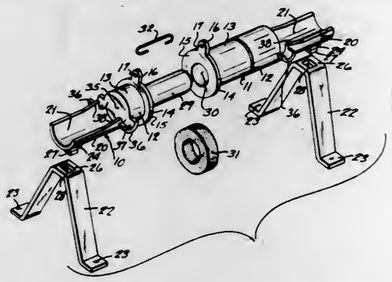
Application June 15, 1939, Serial No. 279,238
In Sweden June 22, 1938
3 Claims. (Cl. 235—23)



1. In an indicator mechanism for a cash register or the like having an indicator shaft, and a plurality of indicator drums mounted on said shaft for rotation relative to one another, the combination of means for simultaneously zero-izing all said drums, said means comprising a single supporting spoke for each indicator drum, zero stop means arranged for cooperation with said spokes on one side thereof to determine the zero positions of said drums, a restoring pusher bar extending parallel to said shaft through all said drums on the side of said spokes opposite that occupied by said zero stop means and being ar-

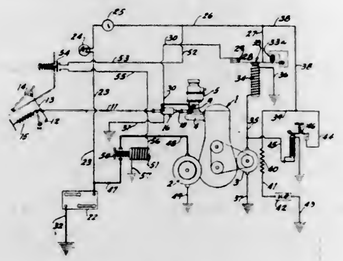
ranged for movement along a cylindrical path about said shaft, and a single spring urging said restoring pusher bar constantly towards said zero stop means.

2,269,703
EXPANSION JOINT AND ROD SUPPORTING ASSEMBLY
Robert M. Bagwill, East St. Louis, Ill.
Application April 8, 1939, Serial No. 266,798
7 Claims. (Cl. 94—18)



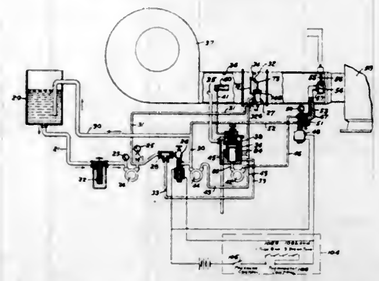
1. A dowel joint and rod supporting assembly for use in and between adjacent sections of concrete pavement or the like, the assembly including a pair of interfitting, companion units, each including an elongate body, a supporting leg near one end of the body, means for connecting the opposite end of the body to the companion unit, said means comprising a dowel on one of the units and a dowel sleeve on the other unit to receive the dowel, and each body formed to provide a trough extension constituting a supporting and retaining seat for a concrete reinforcing rod, the trough extension being of a trend longitudinally of the unit and assembly.

2,269,704
ANTISTALL DEVICE
Russell G. Berry, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 17, 1940, Serial No. 335,681
4 Claims. (Cl. 123—102)



1. In combination, an internal combustion engine, a carburetor therefore having a throttle valve, spring means normally urging said throttle toward a closed position, an engine driven generator, a storage battery, an electro-magnetic device capable of imparting a partial opening movement to said throttle valve when energized, a circuit comprising said electro-magnet and said battery, and means responsive to a predetermined generator output for breaking said circuit.

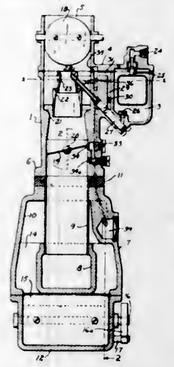
2,269,705
BOILER CONTROL SYSTEM
William J. Besler, Plainfield, N. J.
Application September 21, 1937, Serial No. 164,893
20 Claims. (Cl. 158—1)



1. A boiler control assembly for normal operation of steam generators comprising in combination a burner, means for supplying liquid fuel fed under pressure to said burner, air supply means conveying air to the combustion chamber, and means for metering the amount of fuel under pressure in proportion to the pressure due to velocity head of the air flow to the combustion chamber and mixing said fuel with air prior to delivery to said burner.

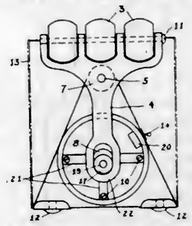
7. A method for automatically securing boiler control including the step of supplying fuel to a burner located in an air supply duct supplying air for purposes of combustion and under pressure, and the step of controlling the amount of fuel so supplied by the pressure due to velocity head of the supply in the air duct and at the same time mixing air therewith.

2,269,706
CARBURETOR DEFROSTER
Morris C. Brown, Birmingham, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 24, 1941, Serial No. 380,291
5 Claims. (Cl. 123—122)



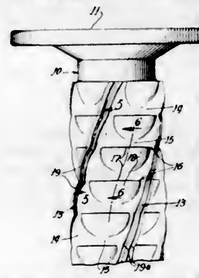
1. In a carburetor, means forming a main mixture conduit, a main air inlet to said conduit, a fuel passageway leading to and discharging into said conduit, means for bleeding air to said fuel passageway, means for heating the bleeding air, and thermostatic means for regulating said heating means.

2,269,707
VIBRATORY MASSAGING FOOT MACHINE
Oscar T. Buffalow, Chattanooga, Tenn.
Application July 11, 1938, Serial No. 218,565
5 Claims. (Cl. 128—49)



1. A foot machine of the character described comprising a motor having a casing with lower portions for engagement with a supporting surface to resist relative displacement, a vibrating arm for vibration in a single plane actuated by said motor, applicator balls mounted on said arm and in substantially its plane of vibration for manipulating the tissues, and an outer housing extending upwardly and terminating below the tops of said balls for enclosing said motor casing and vibrating arm to protect them and to act as a guide for the foot to be treated.

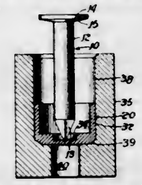
2,269,708
FASTENING ELEMENT
Robert B. Dickson, Evanston, Ill.
Application January 22, 1940, Serial No. 314,983
7 Claims. (Cl. 85—20)



1. A fastener element embodying therein a shank having a head at one end and an entering portion at the other end, a plurality of relatively steep pitch, helical ribs and grooves disposed alternately about said shank, and a plurality of barbs arranged in close succession longitudinally of at least certain of said grooves, each barb having a top end shoulder extending crosswise of its associated groove, and terminating laterally substantially at the ribs between which said groove is located.

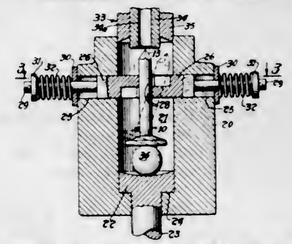
2,269,709
METHOD OF AND MEANS FOR MAKING WEATHERPROOF NAILS
Robert B. Dickson, Evanston, Ill., assignor to Dickson Weatherproof Nail Company, Evanston, Ill., a corporation of Delaware
Application March 2, 1940, Serial No. 321,971
5 Claims. (Cl. 10—161)

1. The method of making a weatherproof nail which consists in providing a relatively soft metal cup-like blank open at one end and closed at the other end and having an annular side wall, said closed end of the blank being made thinner at its central portion so as to be more readily pierced by a nail point at its central portion than at portions spaced radially therefrom, arranging the closed end of said blank upon a support having an opening therein substantially coaxial with said blank, forcing the pointed end of a nail through said central portion of said



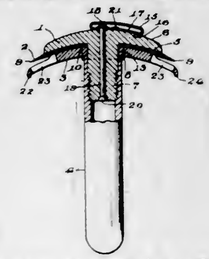
closed end of the blank from the open end thereof, until the head of the nail substantially engages said closed end of the blank and is spaced inwardly from said open end, and then causing that part of the side wall beyond said head to be displaced inwardly into a covering and sealing engagement with the top surface of said head.

2,269,710
METHOD OF AND APPARATUS FOR MAKING WEATHERPROOF NAILS
George E. Dickson, Evanston, Ill., assignor to Dickson Weatherproof Nail Company, Evanston, Ill., a corporation of Delaware
Application October 27, 1939, Serial No. 301,534
22 Claims. (Cl. 10—156)



8. In an apparatus for making weatherproof nails, the combination of a die member having a cavity open at one end and closed at the other end to provide a nail cap forming surface and a second die fitting in said cavity and comprising parts relatively movable with respect to each other and with respect to said die member, said parts of said second die having ends coacting to provide a second cap forming surface and one of said parts being further formed to receive a part of the shank of a nail.

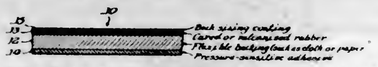
2,269,711
SAFETY RAZOR
John Draut, Philadelphia, Pa.
Application February 27, 1940, Serial No. 321,010
10 Claims. (Cl. 30—75)



1. A safety razor, comprising a blade having a

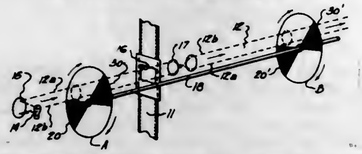
pair of oppositely directed cutting edges and provided with an aperture which is non-symmetrical as to that one of its axes parallel with its cutting edges, and a holder in turn comprising a cap, said cap having a non-symmetrically shaped lug corresponding sufficiently with the aperture in said blade to insure a predetermined relation between blade and cap, and a reciprocatable indicator member carried by said cap and in spaced positions being operative to alternately expose and cover blade edge-designating indicia also carried by said cap.

2,269,712
ADHESIVE SHEET AND METHOD OF MAKING
Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application April 20, 1938, Serial No. 203,103
10 Claims. (Cl. 91—68)



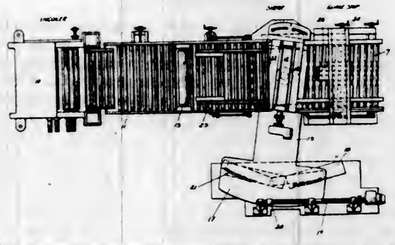
1. An adhesive sheet or tape comprising a flexible backing, a layer of rubber united to one side thereof that is cured or vulcanized after application to provide a layer resistant to oils, organic solvents and water, a layer of pressure-sensitive adhesive united to one side of the resultant combination, and an exposed surface opposite to the adhesive surface of a kind inactive to the latter to permit removal or unwinding from stacks and rolls without offsetting of adhesive.

2,269,713
SHUTTER FOR PROJECTION APPARATUS
Ralph J. Erwin, Ballinger, Tex.
Application September 9, 1939, Serial No. 294,164
3 Claims. (Cl. 88—19.3)



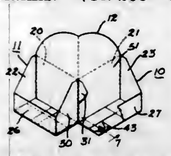
1. In a projection apparatus utilizing a light beam, shutter means comprising a pair of co-acting blade members constructed of a characteristic light-penetrable polarizing material with the polarizing effect of one member opposite to that of the other member, said blade members being located the one in a plane in advance of the plane of the other and, normally, both laterally out of range of the light beam but being each of a size to substantially cover the beam transversely thereof and movably mounted with positive operating provision for actuating them simultaneously and in fixed co-operative relation to each other, whereby to traverse the beam so that, during such actuation, the leading edge of one blade member enters the light beam from one side thereof while the leading edge of the other blade member enters the beam from its opposite side, said edges of the blades meeting diametrically at the center of the beam, the blade members thence continuing to traverse the beam in overlapped relation until their trailing edges part diametrically at the center of the beam, and each blade member in further continuation of actuation leaving the beam at the side thereof opposite to that at which the leading edge of the blade member entered the beam, whereby, until culmination of overlap in the co-action of the blade members, and during recession therefrom, partial obscuration of varying density in the light beam is effected, but at the time of substantially full overlap of the blade members across the beam substantially complete obscuration is attained.

2,269,714
BLANKING APPARATUS
Ray M. Fenton, University Heights, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 26, 1938, Serial No. 242,554
14 Claims. (Cl. 164—49)



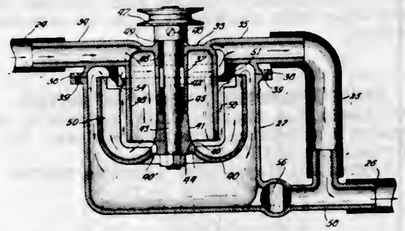
14. A cut-up line comprising a conveyor to feed strip material lengthwise, a shear disposed at one end of the conveyor with its blade arranged transversely thereof, said shear being pivoted on a vertical axis at substantially the longitudinal center line of the conveyor, and means for adjusting the shear about said axis and for locking the shear in any adjusted position to hold the blade of the shear at any desired angular position transverse to the conveyor.

2,269,715
DISPLAY CONTAINER
Howard J. Fischer, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application September 23, 1937, Serial No. 165,363
7 Claims. (Cl. 206—44)



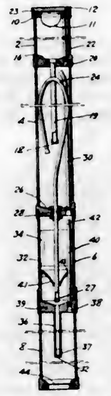
1. A package of the character described adapted to contain and display articles and comprising a pair of box units arranged adjacent each other, each box unit having front, side and rear walls, and flaps on said front and side walls forming a portion of the bottom of said box units, the front wall flap having locking means thereon, a display member having a pair of spaced leg portions, one leg portion of said display member projecting into each said box unit and positioned to overlie said rear wall, a flap on the end of each leg member, locking means on each said flap adapted to interlock with the locking means on the respective front wall flaps to complete the bottom of the box units, said display member also having a display portion attached to said leg portions and projecting beyond the edges of said box units, and a fold in said display box aligned with the space between said leg portions to provide for folding said display member upon relative movements of said box units.

2,269,716
PUMP AND CLARIFIER
Jonas Floyd Gregg, Mishawaka, Ind.
Application November 24, 1939, Serial No. 305,797
1 Claim. (Cl. 233—1)



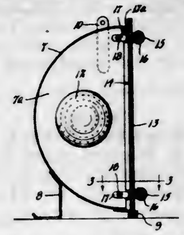
In a device of the class described, a stationary centrifugal pump housing, a cup-shaped rotary impeller having internal vanes mounted in said housing, a sediment storage space under the impeller in the housing, a liquid inlet to the bottom of said cup-shaped impeller, a liquid discharge outlet spaced inwardly from the lip of the cup impeller leaving an outlet space between the liquid outlet and the lip for the discharge of sediment into the housing, restricted circulation holes in the bottom center section of the cup impeller, said discharge outlets and restricted circulation holes being proportioned and arranged to permit clarified liquid to be discharged to the exterior of the housing and the separated sediment to be retained in the storage space, and valve outlet means from the bottom of the storage space to permit liquids to be discharged therethru whereby the storage space is cleared of sediment and dirty liquid.

2,269,717
WELL SURVEYING DEVICE
Donald Hering, South Gate, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application December 13, 1940, Serial No. 370,009
2 Claims. (Cl. 33—205.6)



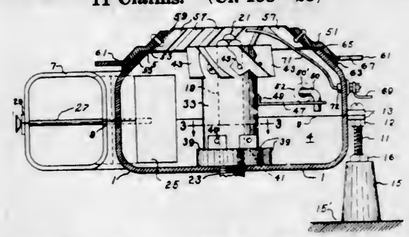
1. A device for recording inclination of a well bore comprising a reservoir for holding a record making liquid, a chamber in which a record is to be made, a chamber for receiving liquid from the record chamber following the formation of a record, means for controlling flow from the reservoir into the record chamber, means for effecting return of the liquid from the receiving chamber to the reservoir upon inversion of the device, and means for straining the liquid during such return to remove any solid material therefrom.

2,269,718
ILLUMINATED SIGN
William G. Huber, Hopkins, Minn., assignor to The Photoplating Company, Minneapolis, Minn., a corporation of Minnesota
Application June 19, 1939, Serial No. 279,777
3 Claims. (Cl. 40—132)



1. In a luminous sign, a reflector casing having an open front and having a source of light therein, a sign panel mounted across the front of said casing and having relatively opaque portions and having a narrow, transparent portion defined by a part of said opaque portion for emitting concentrated light through said panel, a colored rod having refractive properties shaped to conform to said transparent panel portion, brackets secured to the front portion of said casing having attachment elements at their outer ends for engaging said rod to support the same in substantial alignment with and in front of said narrow transparent display portion, said brackets including swingably adjustable arms, and means for clamping said arms in various angularly adjusted positions to vary slightly the superimposed position of said rod relative to said narrow transparent portion.

2,269,719
OIL BURNING APPARATUS
James H. Jackson, Detroit, Mich.
Application October 26, 1939, Serial No. 301,452
11 Claims. (Cl. 158—28)



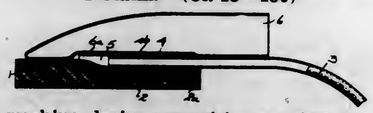
1. In an oil burner the combination of, a casing forming a chamber having an air discharge opening in one side, an oil nozzle mounted in a substantially central position in said chamber for projecting a swirling oil spray from said opening, an air suction tube disposed in spaced relation around said nozzle for conducting air from adjacent the spraying end of the nozzle, air inlet conduits projecting through the side walls into the chamber at diametrically opposed positions and suitably directed substantially tangentially for projecting the introduced air into the chamber, vanes connected to and spreading spirally from said air suction tube for conducting air

through the tube from adjacent the spraying end of said nozzle, and a set of inclined vanes disposed adjacent the air discharge opening of the casing.

2,269,720
SOLID LUBRICANT
Harry E. Johnson, Willoughby, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 3, 1939, Serial No. 259,563
7 Claims. (Cl. 252—25)

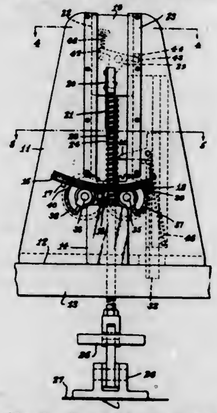
1. A solid lubricating composition comprising in combination petroleum jelly and candelilla wax as the major wax constituent.

2,269,721
WASHING DEVICE
Axel A. Johnson, Holly, Mich.
Application September 17, 1940, Serial No. 357,133
1 Claim. (Cl. 15—130)



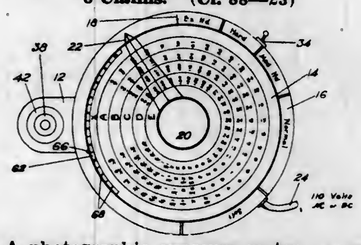
A washing device comprising a cellular pad, a flexible hose one extremity of which rests upon and extends across the rear surface of said pad and terminates intermediately of said rear surface, a substantially U-shaped beading strip having its longitudinal margins secured to the rear surface of the pad and its central portion partly encircling that portion of the flexible hose which rests upon said pad, a hand receiving element secured to the rear surface of the pad and extending over the beading strip, the latter projecting beyond the end of the hose to form a water chamber between it and the pad, and one extremity of the chamber being closed by the hand receiving element.

2,269,722
METHOD AND APPARATUS FOR INSERTING PACKING IN CONTAINERS
Eino E. Lakso, Fitchburg, Mass.
Application January 8, 1938, Serial No. 184,051
29 Claims. (Cl. 226—19)



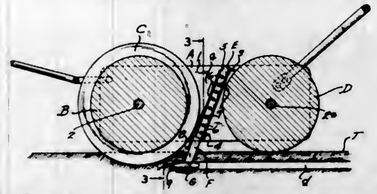
1. The method of packing a necked container for loose materials to prevent relative movement of the materials therein which comprises, positioning a predetermined amount of fibrous material at the container neck, engaging the material when so positioned and simultaneously advancing contiguous intermediate portions of the material through the container neck and thereafter simultaneously moving said portions laterally away from one another over the container contents.

2,269,723
PHOTOGRAPHIC EXPOSURE METER
Felix Lewin, Los Angeles, Calif., assignor to Research Engineering Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1938, Serial No. 206,789
Renewed July 24, 1940
8 Claims. (Cl. 88—23)



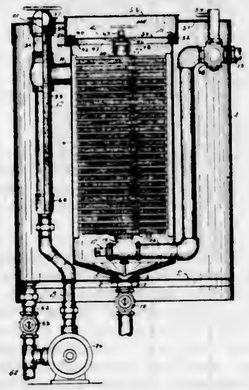
4. A photographic exposure meter, comprising a casing, a source of illumination in the casing, a combined visual reflected and transmitted light comparison field in the casing and directly above the source of illumination, said light comparison field including a translucent plate, means for varying the amount of illumination reaching the under-face of the plate, a knob rotatably mounted in the casing for operating said illumination varying means, a pair of ringlike calibrated scales on the outer cover of the casing concentric with the knob and cooperating therewith, one of said scales graduated in time units and movable with respect to the other, and the other scale graduated in terms of photographic paper speed, whereby manipulation of the knob and cooperating scales will automatically indicate the exposure time for paper of a given speed.

2,269,724
GRASS CULTIVATOR
Albert Linkogel, Clayton, Mo.
Application May 24, 1940, Serial No. 336,906
2 Claims. (Cl. 97—78)



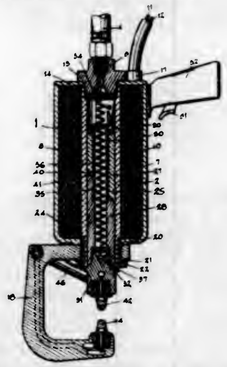
1. A grass cultivator including a rigid frame, a disk-shaped colter mounted on the frame for rotation, a roller also mounted on the frame for rotation rearwardly of the colter, a pair of vertically spaced transverse members disposed between the colter and the roller, elongated way-forming means mounted on the transverse members, a blade mounted for lengthwise adjustment and lateral support in the way-forming means intermediate the colter and roller and having a cutting edge disposed in the plane of the colter, and a generally cylindrical member having a tapering forward end supported by said blade for the formation of a channel in alignment with the colter and at a selected depth below the lowest point of the circumferential plane of the roller.

2,269,725
FILTER
Stanley Malanowski, Tampa, Fla.
Application August 11, 1937, Serial No. 158,455
10 Claims. (Cl. 210—119)



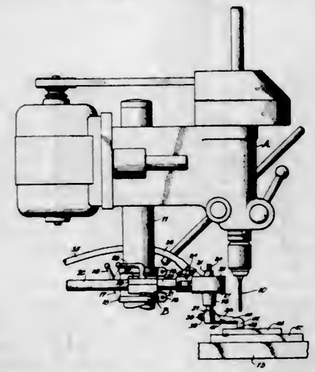
1. A filter comprising a container for liquid under pressure, a filter element consisting of a stiff, self-supporting, coherent, substantially homogeneous body of fibrous material, permeable to liquid in all directions but of a density such as to prevent the passage of finely divided filter aids, said element being mounted within said container whereby to permit the deposit of filter aid upon its surface exposed to the liquid under pressure, and said element being provided with a passage connected with its interior and communicating with the exterior of the container to permit the outlet of filtered liquid.

2,269,726
WELDER
William H. Martin, Pleasant Ridge, Mich.
Application February 8, 1939, Serial No. 255,245
7 Claims. (Cl. 219—4)



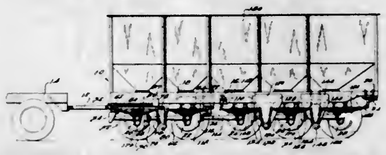
1. In a welder, a cylinder; a two-part piston, one of the parts free to axially slide in one direction in the cylinder; means for yieldably resisting the movement of the other of the parts in the other direction; and means for laterally pressing the parts against the cylinder when the pressure resisting the movement of the piston in the said other direction exceeds a pre-determined amount.

2,269,727
MECHANISM FOR HOLDING WORK ON DRILL PRESSES
Theodore E. Mead, Wilmette, Ill.
Application October 25, 1941, Serial No. 416,432
7 Claims. (Cl. 77—63)



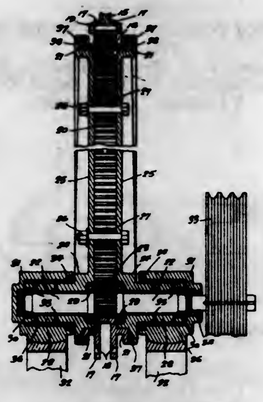
1. In combination with a drill press having a standard, a work table shiftably mounted thereon, a support longitudinally shiftable on said standard toward and away from said table, a pressure fluid power cylinder carried by said support, a fluid conduit connected to said cylinder, said cylinder being provided with a piston and a plunger secured thereto, and a pressure member carried by said plunger and movable thereby toward and away from said table.

2,269,728
VEHICLE CONSTRUCTION
Maurice A. Mills, Dearborn, Mich., assignor to Fred M. Ward, Jr., Oxford, Mich.
Application August 22, 1939, Serial No. 291,383
13 Claims. (Cl. 280—124)



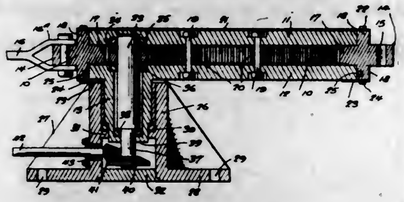
1. In combination, a vehicle frame, a plurality of tandem axles disposed under said frame and spaced therealong, a steering frame pivotally mounted on said vehicle frame adjacent the forward end thereof, means connecting the forwardmost of said axles to said steering frame for pivotal movement therewith, suspension means at each side of said vehicle frame for supporting said vehicle frame on another axle adjacent said forwardmost axle, said suspension means being so constructed and arranged that said another axle is free within limits to bodily swing laterally about a point exterior of the axle, in such a manner that the transverse midpoint of the axle moves toward one side or the other of the vehicle frame; and to tilt relative to said vehicle frame and to said forwardmost axle.

2,269,729
PITMAN GEARING
Charles M. O'Leary, Houston, Tex.
Application December 23, 1940, Serial No. 371,427
7 Claims. (Cl. 74—41)



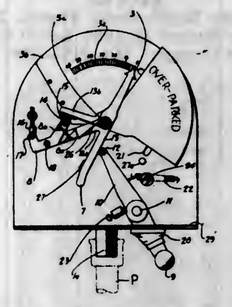
1. In combination, a shaft having a pinion thereon, a pitman, a hollow, internally toothed ring gear fixed at one end of the pitman around, and in mesh with, the shaft pinion, supporting side discs peripherally in bearing contact with said ring gear within and entirely around the same, eccentrically disposed and laterally elongated hubs carried by said discs and through which the shaft is journalled, and stationary bearing supports in which said disc hubs are journalled.

2,269,730
CENTRAL POWER
Charles M. O'Leary, Houston, Tex.
Application March 5, 1941, Serial No. 381,793
8 Claims. (Cl. 74—51)



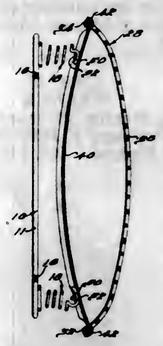
1. A central power comprising a support, a driven shaft journalled uprightly in said support, a shaftless low speed gear member disposed horizontally above the support, having means peripherally therearound for attaching rod pulls, and having an internally toothed portion, guide discs above and below said gear and peripherally in bearing connection therewith at opposite sides of the said toothed portion said side discs closing opposite sides of the shaftless gear and having bearings therein for the upper portion of the said driven shaft, the lower guide disc having a tubular, eccentrically depending bearing sleeve journalled independently of said shaft bearings in the support around, and co-axially with, said shaft, and a pinion on the shaft between its upper bearings in mesh with the internal teeth of the gear.

2,269,731
FREE PARKING METER
Samuel Orenstein, Providence, R. I., assignor to Fre-Park Timer Incorporated, Providence, R. I., a corporation of Rhode Island
Application January 3, 1940, Serial No. 312,310
3 Claims. (Cl. 161—15)



1. In a timer having a settable pointer and a settable flag mounted for unidirectional movement; pick-up means for establishing a driving connection from said pointer to said flag to move said flag bodily with said pointer during most of the setting movement of said pointer, and means for so moving said pick-up means as to further move said flag with respect to said pointer as the setting movement of the latter is being completed.

2,269,732
SPRING CUSHION CONSTRUCTION
Otis Parker, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application April 27, 1938, Serial No. 204,639
7 Claims. (Cl. 155—179)



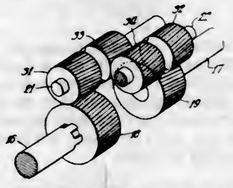
4. A spring cushion construction comprising a base frame, a border frame disposed in spaced relation to said base frame, spring elements connected to said border frame forming a spring load supporting surface, transversely extending brace members of generally channel shape connected to said border frame and disposed in spaced relation to said spring elements, spiral springs interposed between said base frame and said border frame, means connecting said spiral springs to said base frame, and means connecting said spiral springs to said brace members, said last named means including radially directed spring end portions on each of said spiral springs, said end portions of each spring being received within the channel shaped brace members and crimped therein at substantially the center of each of said spiral springs so that the load applied thereto is directed along a substantially straight line which is substantially coincident with the longitudinal center line of the spiral spring.

2,269,733
PROCESS AND MANUFACTURE OF METALLIC BROMIDES
Edward P. Pearson, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
No Drawing. Application June 17, 1938, Serial No. 214,387
9 Claims. (Cl. 23—87)

1. The process of producing metal bromides, which comprises adding substantially simultaneously and continuously bromine and a metal compound of the group consisting of oxides, hydroxides, and carbonates to a substantially saturated aqueous solution of the desired bromide, said bromine and metallic compound being added in such proportions that the corresponding metal bromide is formed without substantial formation of metal bromate and in such proportions that a small amount of free bromine is maintained during substantially the entire course of the reaction to form metal bromide, and maintaining a substantial excess of a reducing agent during substantially the entire course of the reaction to form metal bromide so that there is no substantial formation of metal bromate.

8. A process of producing metal bromides, which comprises reacting ammonia and bromine in an aqueous solvent to form a solution of ammonium bromide, then adding substantially simultaneously and continuously bromine and a metal compound of the group consisting of oxides, hydroxides, and carbonates in such proportions that the corresponding metal bromide is formed without substantial formation of metal bromate and in such proportions that a small amount of free bromine is maintained during substantially the entire course of the reaction to form metal bromide.

2,269,734
DIFFERENTIAL
Lyman S. Powell, Chicago, Ill.
Application September 18, 1939, Serial No. 295,402
7 Claims. (Cl. 74—312)



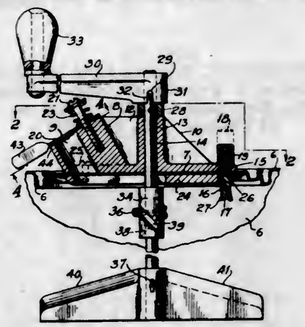
1. In a differential gear device, a pair of opposed shafts having a common axis, a spur gear carried by each of said shafts adjacent the opposed ends thereof, a housing for said gears, a pair of spindles journaled in the housing and having their axes parallel to the axis of said shafts, pinions on each spindle engageable with each other, a pinion on each spindle being engageable with a respective spur gear, the driving teeth of said spurs and pinions being simultaneously on the respective lines connecting the centers of each meshing pair of gears.

2,269,735
TRUCK
Irving B. Remsen, Trenton, N. J., assignor to Magnetic Pigment Company, New York, N. Y., a corporation of New York
Application October 16, 1940, Serial No. 361,335
3 Claims. (Cl. 280—50)



1. In a truck for receiving and transporting relatively heavy articles and having a rolling support and cam members adapted to be moved into engagement with a surface supporting the truck to lift the rolling support from engagement with said surface and means for shifting the position of said cam members including a swinging member; means for locking the cam members comprising a projection extending from the swinging member, and a member having an L-shaped notch and movable to a position to bring the closed portion of the notch opposite the projection on the swinging member to lock the swinging member against swinging movement, or movable to a position to bring the open portion of the notch opposite the projection on the swinging member to permit swinging of said member.

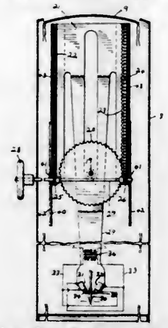
2,269,736
DISPENSING DEVICE
Thomas P. Rogers, Los Angeles, Calif., assignor to Leon Finch, Ltd., Los Angeles, Calif., a corporation of California
Application September 6, 1940, Serial No. 355,549
1 Claim. (Cl. 221—23)



In combination with the closure top of a friction top can, means providing for pouring through said top while in closed position on a can, comprising members above and below the top and spaced inwardly from the peripheral edge of the top, means clamping said members and the can top in connection with one another, the members having apertures in communicating line with each other through an opening of the can top and the aperture of the upper member being inclined upwardly and outwardly to thus form an inclined pouring spout, and a swinging gate normally covering the upper outer end of said inclined pouring aperture, the said gate consisting of a disc having a pivot positioned inward-

ly beyond the mouth of the inclined pouring aperture and substantially at one side of a line diametrically of said aperture and radially of the can top.

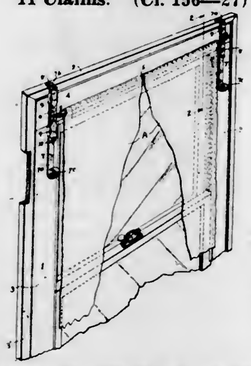
2,269,737
MEASURING DEVICE
Thomas P. Rogers, Los Angeles, Calif., assignor to Leon Finch, Ltd., Los Angeles, Calif., a corporation of California
Application September 6, 1940, Serial No. 355,550
3 Claims. (Cl. 33—126.7)



3. In a device for determining the height of a rising liquid level in a container, a supporting member adapted to be selectively vertically positioned in a container, a liquid surface contacting rod supported by, and depending from, said member, and lighting means stationarily supported on said member above, and at opposite sides of, said contact rod, for directing downwardly convergent fixed beams focused on the lower extremity of said rod and divergent below the rod for producing spaced light spots on the surface of rising liquid below the rod, whereby the approach of said spots toward each other on the rising liquid level will plainly measure the approach of the liquid level to the contact rod

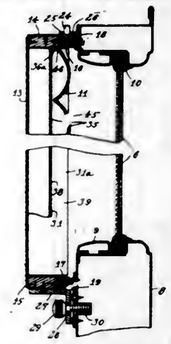
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2,269,738
SUPPORTING MEANS FOR DRAPES
Chester J. Rybicky, Cleveland, Ohio
Application December 17, 1940, Serial No. 370,455
11 Claims. (Cl. 156—27)



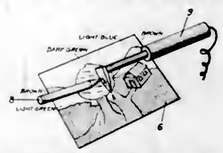
1. In supporting means for drapes, the combination of a pair of spaced members arranged to removably engage and depend from the top frame member of an opening, brackets carried by said depending members intermediate their ends, and a rod mounted at its opposite ends on said brackets and arranged to support the drapes, the lower end portions of said depending members serving as handles, whereby said members, brackets, rod and drapes may be removed as a unit from the opening.

2,269,739
HEARSE DRAPE
Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application December 12, 1938, Serial No. 245,149
14 Claims. (Cl. 156—10)



1. In a vehicle, such as a hearse, comprising a body having a window, demountable means providing a supporting wall in said body spaced inwardly from and substantially parallel to the window, and cloth covered semi-rigid sheet metal drape devices mounted on said wall in proximity to said window with the cloth covered sides thereof visible from outside the vehicle through the window.

2,269,740
PROCESS FOR PRODUCING ORNAMENTAL MULTICOLORED RAISED DESIGN
Benjamin Schwartz, Brooklyn, N. Y.
Application February 15, 1940, Serial No. 318,996
5 Claims. (Cl. 41—30)

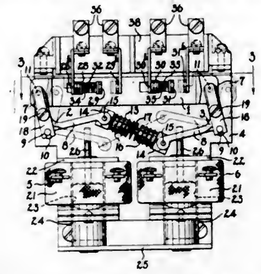


1. The process of producing an ornamental multicolored raised design on a hard supporting surface consisting of treating said surface with white wax, marking the outline of a desired design on the waxed surface and spreading colored wax crayon on said treated surface within the confines of said outline.

2,269,741
ELECTRIC SWITCH
Edwin W. Seeger, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 27, 1941, Serial No. 380,751
7 Claims. (Cl. 200—98)

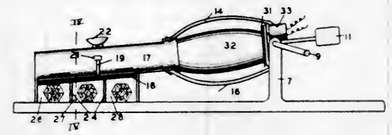
1. In an electric switch, in combination, an elongated contact carrying element movable longitudinally in opposite directions between given extreme circuit controlling positions, two

pivoted levers connected to opposite ends of said element to support the same, a spring connection between said levers acting to oppose movement of said element out of either extreme position and also acting to effect snap movement of said element into either extreme position upon a



given movement thereof away from its opposite extreme position, and a pair of electromagnetic operating devices each associated with one of said levers, said devices acting upon alternate energization to effect movement of said element in opposite directions between said extreme circuit controlling positions.

2,269,742
DICE ROLLING DEVICE
Walter B. Smith, Incline, Calif.
Application June 7, 1941, Serial No. 397,043
2 Claims. (Cl. 273—145)

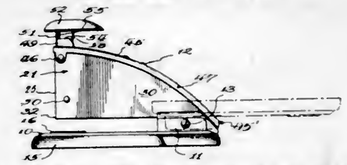


2. A dice rolling device consisting of a base, a horizontal shaft positioned above said base, a tubular member carried by said shaft, a rotating barrel mounted between said shaft and said tubular member, said tubular member and said barrel being in axial alignment one with the other, a chamber communicating with said tubular member and having partitions positioned in said chamber, and means whereby dice discharged from said barrel through said tubular member will be deposited on said base in spaced relation, said means including a pivoted door forming a portion of said tubular member, said door being normally held closed when said device is in discharged position through the medium of a counterweight, said counterweight being capable of striking a bell when the dice are discharged from said barrel to said base.

2,269,743
MERCURY 9.12-OCTADECADIENOATE AND PROCESS OF MANUFACTURING
Raymond Arthur Stone, Chicago, Ill.
No Drawing. Application February 8, 1940, Serial No. 317,975
3 Claims. (Cl. 167—22)

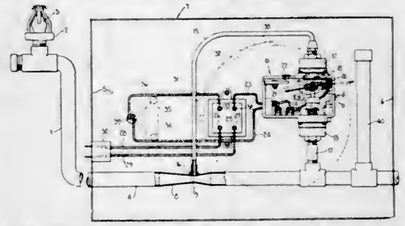
2. A colloidal solution derived from the interaction of aqueous mercuric chloride and a stoichiometric excess of aqueous sodium linoleate and characterized by germicidal power, low surface tension, and ready miscibility with aqueous fluids.

2,269,744
STAPLING DEVICE
Charles I. Tager and Hans C. Stockel, Chicago, Ill., assignors to American Die & Tool Corporation, Chicago, Ill., a corporation of Illinois
Application August 20, 1940, Serial No. 353,434
12 Claims. (Cl. 1—3)



1. In a stapling device, including a housing and means for maintaining a row of staples within said housing positioned for ejection therefrom, means for consecutively ejecting said staples from said housing comprising a substantially flat reciprocable blade, means associated with said housing guiding and confining the edges of said blade during its operation, and means for actuating said blade, said guiding means including a wall of said housing upon which said flat blade is adapted to ride and means for holding said blade slidably against said wall, said magazine being of substantially inverted U-shaped cross-section and being integrally formed from the housing, the side walls thereof being spaced from the inner faces of said housing to provide a space within said housing and upon which a row of staples may ride and be maintained.

2,269,745
SPRINKLER SYSTEM
Charles F. Troop, Valencia, Pa.
Application March 31, 1939, Serial No. 265,233
2 Claims. (Cl. 177—382)

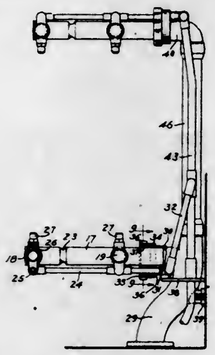


1. A unitary alarm device comprising a sheet metal supporting casing, an electric alarm bell mounted exteriorly on a wall of said casing, a pipe extending through said casing thereby to support said casing, a casing within said first casing, switch means in said second casing and supported by said pipe, and means operable to move said switch means to closed position upon flow of liquid through said pipe, said switch means controlling the circuit of said bell.

2,269,746
DISHWASHING MACHINE
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application July 26, 1937, Serial No. 155,607
3 Claims. (Cl. 141—9)

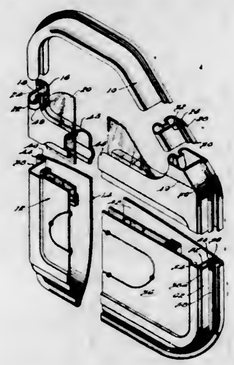
1. In a dish washing machine of the type comprising a casing having upper and lower portions, the said upper portion having an opening therein permitting access to the interior of the casing and the said lower portion constituting a tank

for the reception and storage of washing fluid, dish supporting means, and washing and rinsing fluid conducting means positioned within said casing at one side thereof and in close proximity to each other; a washing and rinsing fluid discharge unit, a single coupler connecting said unit to said conducting means so as to be readily connectible thereto and disconnectible therefrom,



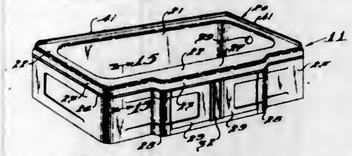
said discharge unit comprising a washing fluid conduit having discharge openings therein, a rinsing fluid conduit closely adjacent thereto, and means projecting from one of said conduits remote from the point of coupling for at least partially supporting the same from the other conduit, said means being a branch conduit connected with said one conduit and having a discharge opening therein.

2,269,747
VEHICLE DOOR
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 4, 1937, Serial No. 162,449
7 Claims. (Cl. 296—44)
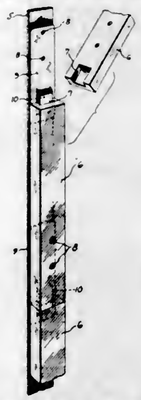


1. In a vehicle door construction, the combination of a separately formed window defining member, said member in section having laterally spaced garnish mold and reveal portions, one of said portions being extended to form an outer rail portion for the door spaced from said other portion.

2,269,748
TUB CONSTRUCTION
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 19, 1939, Serial No. 300,227
10 Claims. (Cl. 4—173)



1. In a sheet metal bath tub construction, a tub formed with a top flange about its edge and a downwardly depending skirt on the flange of one of its edges, an apron attachable to and aligned therewith said skirt, and a molding strip disposed over the joint between the skirt and apron.

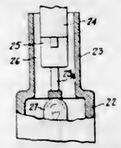
2,269,749
FILE BAND
Robert John Wilkie, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application September 16, 1940, Serial No. 357,001
7 Claims. (Cl. 29—79)



1. A file band for filing machines comprising: a flexible carrier; a plurality of rigid file elements each having a socket in its under surface at least at one end; a plurality of spacer leaves having projections adapted to enter the sockets of the file elements; and means securing the file elements and spacer leaves to the flexible carrier with the spacer leaves confined flatwise between the file elements and the adjacent side of the flexible carrier and in such a position that the portions of the spacer leaves having the projections, extend from the associated file elements for engagement in the sockets of adjacent file elements to preclude lateral shifting of the files with respect to each other.

2,269,750
LIPSTICK
Donald F. Baird, Portland, Oreg.
Application March 21, 1940, Serial No. 325,093
1 Claim. (Cl. 240—6.46)

An illuminated lipstick comprising, a housing, a source of electricity and a lamp disposed within the housing, a closure of translucent material rotatably mounted on the end of the housing and adapted upon rotation to energize the lamp, a cylindrical projection formed on the closure and having inwardly projecting ribs to slidably embrace a lipstick, the lipstick being of lesser diameter than the inside diameter of

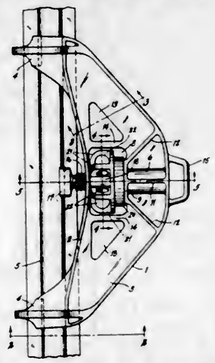


the cylindrical projection to provide spaces around the lipstick through which the light from the lamp may be projected, and said cylindrical projection being slotted to receive a projection formed on the lipstick for extending and retracting the same with respect to the cylindrical projection.

2,269,751
BAKING VARNISH OR ENAMEL FILMS
Robert Bowling Barnes, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 10, 1940, Serial No. 318,385
4 Claims. (Cl. 34—4)

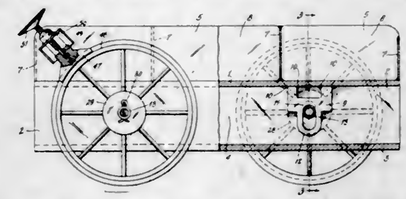
1. A process which comprises subjecting a varnish film to a temperature between about 150° C. and 300° C. in the presence of ultra-violet radiation for a relatively short period of time and subsequently baking the film at a relatively low temperature for a relatively long period of time, thereby obtaining films having a high degree of hardness and toughness.

2,269,752
RAIL BENDER
Dale A. Benner, Alton, Ill.
Application November 4, 1939, Serial No. 302,814
2 Claims. (Cl. 153—38)



1. In a portable rail bender, an arcuate metallic frame having hooks at its ends for engaging a rail and having a transverse opening intermediate of its ends, an elongated tubular socket integral with said frame and having an open inner end at said opening, a nut located in said opening and having an annular groove in its outer end concentric with the axis thereof and out of communication with the opening through said nut, a threaded shaft screwed through said nut and having its outer end unobstructed beyond the threads thereof for free movement through said nut during attachment and detachment of said shaft, a head attached to the inner end of said shaft to engage a rail mounted on said hooks and holding said shaft from turning with said nut, and a thrust bearing mounted in said groove and engaging the adjacent end wall of said opening around the open end of said socket and leaving said nut with said bearing free for lateral movements into and from said opening when said nut is disengaged from said shaft.

2,269,753
TOOL CAR
Dale A. Benner, Alton, Ill.
Application March 4, 1940, Serial No. 322,069
2 Claims. (Cl. 105—162)



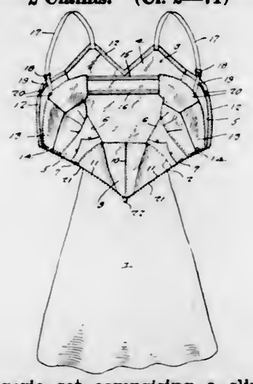
1. In a car of the character described, a metallic car body composed of a floor extending the full length and width of said body, vertical downwardly extended side walls rigid with the longitudinal sides of said floor and having axle receiving slots therein, a lower supporting member rigid with the lower edges of said side walls and separated downwardly from said floor by an intervening space forming a compartment having an open end for insertion and withdrawal of articles, axles extending through said slots and through said compartment for supporting the car body, bearing brackets for said axles rigid with said floor and said side walls within said compartment and supporting the car body substantially out of contact with said axles, said axles and brackets leaving said compartment otherwise unobstructed throughout the length and width of said body, and wheels mounted on said axles.

2,269,754
SILL CAMBERING AND WELDING MECHANISM
William M. Bernhardt and Arthur H. Hartwig, Michigan City, Ind., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 6, 1939, Serial No. 298,198
11 Claims. (Cl. 113—99)



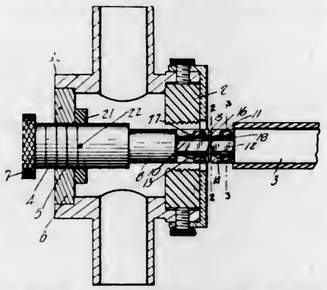
1. A beam fabricating machine having a relatively rigid base portion and a work cambering beam, anchorage means yieldably connecting the ends of said beam to said base portion and adapted to compensate for variations in the length of said beam when cambered, a welding bar operatively superposed on said beam, pressure devices intermediate the beam ends for flexing said beam, and other pressure devices for clamping the work to the beam and bar for welding.

2,269,755
GARMENT
Cara M. Warren Black, San Antonio, Tex.
Application July 24, 1940, Serial No. 347,284
2 Claims. (Cl. 2—71)



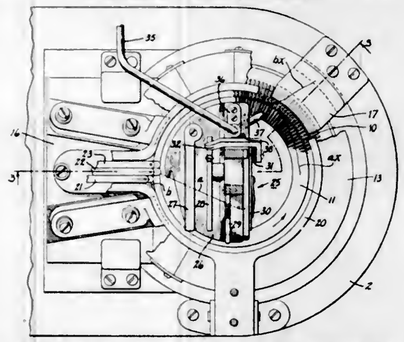
1. A lingerie set comprising a slip including a bodice opening in front and provided with front edges, a skirt stitched at the waist edge to the lower edge of said bodice, a pair of underdrawers attached at the waist edge thereof to said waist edge of the skirt, said skirt and drawers opening in front part way down and having the edges of the openings thereof attached together and the attached edges aligned with the front edges of said bodice to form a single opening in the front of said garment, slide fasteners extending along said attached edges and the front edges of the bodice and forming a single closure means for said opening, a pair of elongated brassière flaps in said bodice having front ends stitched to said front edges of the bodice, respectively, the remainder of said flaps being free, and a pair of elastic upper and lower back straps connecting the rear ends of said flaps.

2,269,756
CENTERING GUIDE PIN FOR DIESTOCKS
James Campbell Cowie, Liverpool, Nova Scotia, Canada
Application September 23, 1940, Serial No. 357,850
1 Claim. (Cl. 10—107)



An independent centering pin adaptable for use in any standard die stock and comprising a closure for the side of the stock remote from the dies and having an orifice in axial alignment with a point centered between the cutting ends of the dies, a centering pin body fitting the orifice having a knurled enlargement at its outer end and a reduced extension at its inner end forming an intermediate pin portion, a further extension having an exterior thread, a pair of spaced apart nuts screwed on the thread and having diametrically opposite notches formed therein in longitudinal alignment, and having parallelly inclined bottoms, gripping bars fitting the notches and having inclined surfaces engaging each inclined surface of the nuts and of greater length than the width of the nuts, and yieldable means for holding the inclined surfaces of the nuts and bars in engagement.

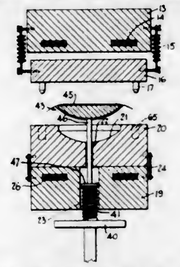
2,269,757
KNITTING
Robert E. Davis, Fort Payne, Ala., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala., a corporation of Alabama
Application December 22, 1939, Serial No. 310,517
7 Claims. (Cl. 66—140)



1. In a knitting machine, in combination, a needle cylinder having a series of needles, means for actuating said needles, means including feed fingers for feeding yarns to said needles, a central yarn clamp and shear device, means actuating said feeding means to feed a first yarn to said needles, and thereafter feed a second yarn to said needles and discontinue the feeding of said first yarn, means actuating said clamp and shear to clamp and cut said first yarn, and pneumatic means to move into the path of said needles the end of said first yarn extending between the last needle on which knit and said clamp and shear device, and the end of said second yarn extending between the first needle on which knit and said clamp and shear device, whereby said ends are knit by said needles during the regular operation thereof.

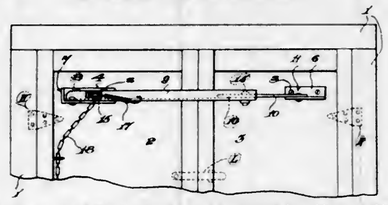
2,269,758
MECHANICAL PRESS
Joaquin de Noronha, New York, N. Y., assignor to De Noronha Rubber Products Corporation, New Brunswick, N. J., a corporation of New Jersey
Application October 12, 1938, Serial No. 234,614
6 Claims. (Cl. 18—17)

6. In a press, a frame, a platen fixed in said frame, a slidable platen mounted for movement in said frame toward and away from said fixed platen, and a three-piece mold in said frame between said platens, said mold comprising a matrix operable by said slidable platen for movement toward and away from said fixed platen, said matrix having a cavity and an outer bearing surface around said cavity, a core mounted for movement in said cavity, a cover for said bearing surface of the matrix movable toward and away from the latter between said matrix and said fixed platen, and means for resiliently supporting said cover from said fixed platen com-



prising springs connected to said fixed platen and to the opposite side edges of said cover.

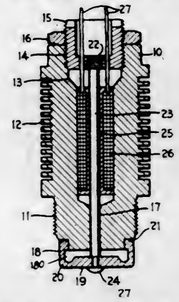
2,269,759
DOOR HOLDING DEVICE
James T. Dollins, Dallas, Tex.
Application June 24, 1940, Serial No. 342,009
1 Claim. (Cl. 292—263)



A door holding device, in combination with a pair of doors hinged at their outer edges, comprising an angular member secured to the inner side of one of said doors, an angle bracket secured to the inner side of the other of said doors, a short bar having one end pivoted to said angle bracket and having a slot in its opposite end, a longer angle bar having spaced apertures in one end and adjustably engaged with said slot in the short bar, the opposite end of said angle bar being pivoted to said angular member, means for adjustably connecting said apertures in said slot in installing the device and to permit longitudinal operative movement of the two bars; a latch means pivotally mounted on the longer of the bars for latching one end of the longer bar with said angular member when the doors are open, and a spring and flexible means carried on the latch means for holding the latch in position and for releasing the latch when the doors are to be closed.

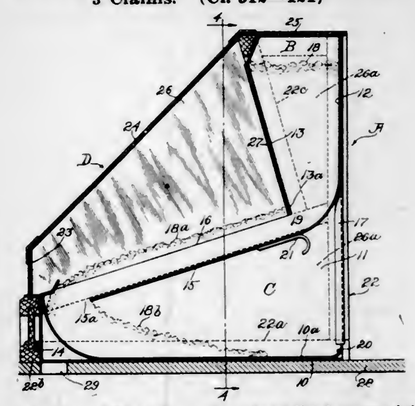
2,269,760
DETONATION INDICATOR
Kenneth R. Eldredge, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 26, 1939, Serial No. 310,948
4 Claims. (Cl. 177—351)

1. A pressure change pickup unit comprising a body, a diaphragm spaced from the inner end of said body to form a chamber, the outer face of said diaphragm adapted to be exposed to the pressures to be detected, an axial bore extending throughout said body between said diaphragm chamber and the outer end of said body, the outer end of said bore being enlarged to form a second chamber, a winding in said second chamber, means for impressing a magnetic field on said winding, retaining means in the outer end of said bore, a rod of magnetostrictive material extending through said winding and rigidly secured between said retaining means and said diaphragm, the natural longitudinal period of vibration of said rod being appreciably shorter than the period of the frequency of the pressure changes to be measured to prevent resonance therewith, the inner end of said bore in said body



between the winding chamber and the diaphragm chamber being restricted closely to surround a portion of said rod intermediate its ends, whereby rapidly varying pressure changes such as are caused by detonation in an engine cylinder will induce corresponding potential changes in said winding.

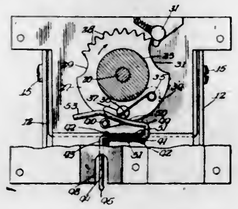
2,269,761
SHOWCASE
Joseph E. Gauvreau, Somerville, Mass., assignor to E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,164
3 Claims. (Cl. 312—121)



1. A bin of the character described comprising a bottom wall; oppositely disposed relatively parallel perpendicular side walls connected with said bottom wall; a forwardly inclined top wall connected at its opposite sides with said side walls below the top edges thereof so as to provide an open trough-like chute for holding and displaying goods, the forward end of said top wall being spaced rearwardly away from the front end of the bin so as to provide a passage through which the goods descend by gravity from said chute into a compartment beneath said top wall as the contents of said compartment is depleted through removal thereof at the back of said compartment, said side walls being made adjacent to their rear ends with oppositely disposed upward extensions constituting the side walls of a hopper for holding

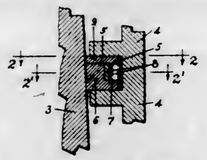
a supply of the goods, said hopper including a back wall connected at its lower end with the rear end of said inclined top wall, and a front wall whose lower end is disposed above the upper end portion of said inclined top wall so as to provide a passage through which the supply of goods upon said top wall is replenished automatically by gravity from said hopper.

2,269,762
COIN DETECTOR MECHANISM FOR VENDING MACHINES
Albert E. Gebert, Wilmette, and Floyd C. Black, Chicago, Ill., assignors to Advance Machine Co., Chicago, Ill., a corporation of Illinois
Application March 30, 1940, Serial No. 326,936
9 Claims. (Cl. 194—45)



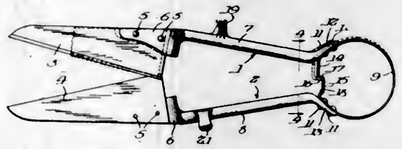
1. Mechanism of the character described embodying a driven element, actuating means therefor, a coin chute, means operating to lock the said actuating means against operation with respect to the driven element, releasing means for said locking means, and means tending normally to position the said releasing means, so that it will render said locking means ineffective, a portion of the said releasing means projecting into the path of travel of the coin to arrest such travel, another portion of said releasing means adapted, when a coin is thus arrested, to engage a face of said coin to maintain the said releasing means in a position to render said locking means ineffective upon rotation of said actuating means, the said releasing means in the absence of said coin being automatically moved upon rotation of said actuating means, into position that it will not render the said locking means ineffective.

2,269,763
PISTON RING
Gerald M. M. Grant, Los Angeles, Calif.
Application August 5, 1940, Serial No. 351,491
3 Claims. (Cl. 309—44)



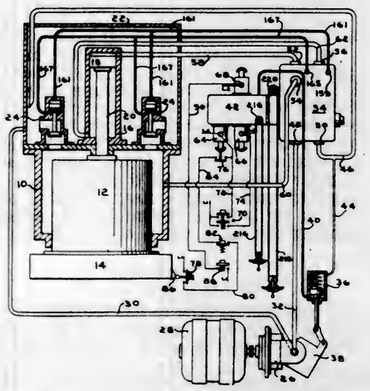
3. In a piston having a piston ring groove, a relatively thin steel self-expanding ring in the upper part of said groove, a cast iron ring in said groove underlying said steel ring and having in its inner, upper corner a spring receiving recess, and an expansion spring in said recess above the lower part of said cast iron ring by which it is supported and underlying said steel self-expansion ring, whereby said rings are independent of each other in their expansion function.

2,269,764
GARDEN SHEARS
Charles Gutman, Chicago, Ill.
Application August 9, 1939, Serial No. 289,236
2 Claims. (Cl. 30—236)



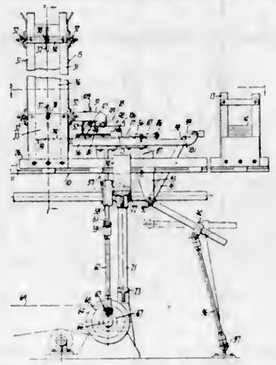
2. In a shears, a pair of shanks each terminating at an adjacent end in a blade, a resilient plate having its extreme end portions projecting transversely in opposite directions to provide stop members, said plate being distorted to form a substantially annular spring with its end portions overlapping and said stop members normally in operative position wherein the spring is prevented from opening, the other ends of said shanks being connected substantially tangentially with the annular spring contiguous the respective ends thereof at angles such that said blades are normally in open position, said spring being yieldable to permit movement of the blades together and their return to open position, said stop members being disengaged by manual manipulation to permit further separation of the blades for convenience in sharpening.

2,269,765
POWER TRANSMISSION
Ferris T. Harrington and Ralph L. Tweedale, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 284,206
7 Claims. (Cl. 60—52)



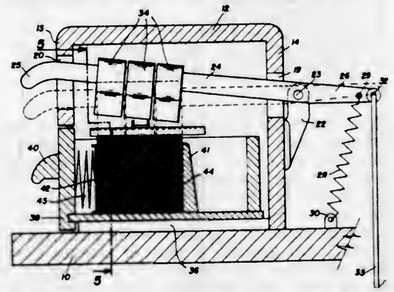
6. A pressure regulating system for a hydraulic power transmission circuit having a pump, a hydraulic motor, a shiftable control member for determining the flow between the pump and the motor, and a pilot-controlled relief valve for bypassing the fluid delivered by the pump, said system comprising a servomotor for operating said member, a second pilot-controlled relief valve for controlling the flow of fluid to operate said servomotor, a pilot relief valve and means connecting said pilot relief valve to both pilot-operated relief valves for joint control thereof.

2,269,766
BOX MAKING MACHINE
Bert L. Herrington, Klamath Falls, Oreg., assignor to Klamath Lumber and Box Company, Klamath Falls, Oreg., a corporation of Delaware
Application January 28, 1941, Serial No. 376,287
12 Claims. (Cl. 271—10)



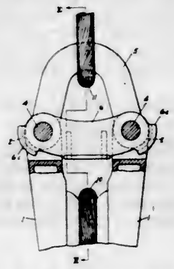
1. In a box making machine, a hopper for a stack of shook, a bowing device for effecting bowing of the lowest piece of shook in said hopper, and means for engaging and positively feeding said bowed piece of shook onto said conveyor including feed means movable into the space in said stack afforded by the bowing of said lowest piece of shook.

2,269,767
CARD SEGREGATING MECHANISM
Laurence I. Jayne, Davenport, Wash.
Application July 30, 1940, Serial No. 348,586
15 Claims. (Cl. 129—16.1)



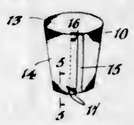
8. A segregator mechanism for cards having notches and magnetically attractive means on their upper edges, a quantity of said cards being normally held with their notched edges upward, said mechanism comprising a movable segregator bar supported above said cards transversely thereto, means for moving said segregator bar to a selected position to aline and be engageable with certain predetermined card notches, and magnetic means normally disposed above said cards in line with the magnetically attractive means on their upper edges and spaced therefrom a distance sufficient to place said magnetic means out of its effective range with relation to said magnetically attractive means on the cards, said magnetic means being adapted to be moved into effective proximity with said magnetically attractive means.

2,269,768
LOGGING BLOCK
Paul E. Keeney, Portland, Oreg.
Application March 13, 1940, Serial No. 323,742
1 Claim. (Cl. 254—193)



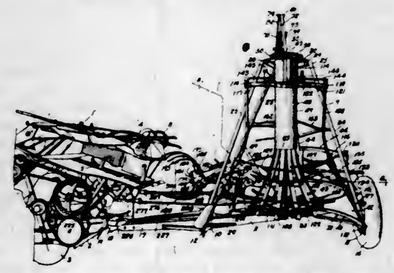
A cross-head for a logging block comprising a generally channel shaped section cross-head member provided with pinholes adapted to register with similarly spaced pinholes in a block and with pinholes in a shackle when both legs of such shackle are placed between the side members of the channel, characterized by unitary end closure members, the upper surfaces of which are positioned below the tops and above the bottoms of the pinholes.

2,269,769
NECKTIE HOLDER
John P. Kennedy, Medina, N. Y.
Application July 14, 1939, Serial No. 284,515
3 Claims. (Cl. 2—153)



1. A necktie holder of the character described, comprising a normally-expanded split sleeve having its marginal edges in overlapping relation, a pivotal connection between such overlapping edges at one end of the sleeve, and a slip connection between such edges at the opposite end of the sleeve to limit the contraction and expansion thereof.

2,269,770
GRAIN SHOCKER
Peter Ketelsen, Wichita, Kans.
Application October 21, 1939, Serial No. 300,574
20 Claims. (Cl. 56—413)



1. A machine of the character described including a mobile frame, shock forming guide

means including movable gates carried by the frame and hinged to swing rearwardly with respect to forward travel of the frame, sheaf empaling means, means for intermittently rotating the sheaf empaling means within said guide means, means for retracting the empaling means to deposit a shock formed of the empaled sheaves, means for releasing said gates, and a presser arm connected with one of the gates to press the shock on the side opposite said gates to support said shock.

2,269,771
CARBON HOLDER
Clarence F. Klamm, St. Louis, Mo., assignor to Harvey H. Goldman, St. Louis, Mo.
Application February 7, 1941, Serial No. 377,866
3 Claims. (Cl. 176—119)



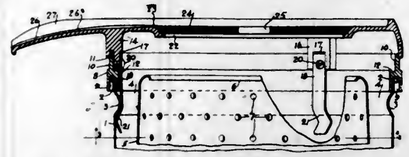
3. A carbon holder comprising a cylindric shank having substantially the same diameter as the carbon to be held, a holder portion on the end of said shank having a cylindric socket of a diameter substantially equal to that of the shank to receive said equal diametered carbon, said holder portion being formed as an upper hood and a lower shorter finger to provide a fulcrum for angling the carbon into position in the hood, and a pair of angled cut-away portions formed as tangents to the shank and the carbon for resting upon a V-support.

2,269,772
PHOSPHATIDE PRODUCT, AND PROCESS OF OBTAINING IT
Norman F. Kruse, Decatur, Ind., assignor to Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana
No Drawing. Application May 17, 1940, Serial No. 335,865
12 Claims. (Cl. 260—403)

1. A crude phosphatide fraction separated directly as a waxy material from vacuum-stripped solvent-extracted vegetable oils containing it by adding to such a vegetable oil both a small amount of moisture and a crude oil which is high in phosphatide content, which fraction is substantially free from volatile materials that cause disagreeable odors and taste, and has a high content of acetone-insoluble material, a low oil content, and a moisture content of between 3% and 10%.

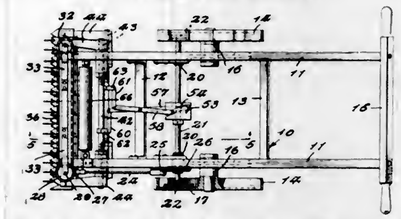
6. The process of obtaining phosphatides from solvent-extracted vegetable oils containing it, which consists in passing the concentrated miscella obtained by removing most of the solvent from a solvent-extract of vegetable oil through a vacuum stripping column maintained at a temperature definitely above the boiling point of water under the conditions within the column, discharging a relatively small amount of steam into that stripping column, withdrawing oil from the column with any contained phosphatides in solution, cooling said withdrawn oil, adding a small amount of water to the cooled oil to coagulate part of the phosphatides in the oil, and then recovering coagulated phosphatides containing a small amount of water from the body of the oil and any phosphatides which remain dissolved in the oil.

2,269,773
DRYING MACHINE
Edward J. Lauterbur and Clifford R. Glaser, Sidney, Ohio, assignors, by mesne assignments, to Automatic Washer Company, Newton, Iowa, a corporation of Delaware
Application August 25, 1937, Serial No. 160,882
5 Claims. (Cl. 210—75)



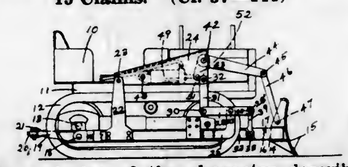
1. In drying apparatus including a stationary tub enclosing a rotatable extractor basket, a combined closure and drain board including an annular member rotatably supported on said tub and extending over a substantial portion of the area above the opening of said tub, a drain board formed integrally with said annular member and extending radially therefrom, and means for detachably locking said annular member to said tub in a selected position, said last-named means resiliently retaining said annular member in adjusted angular position with respect to said tub.

2,269,774
MOWING MACHINE
Walter Marcellus Lawrence, Biloxi, Miss., assignor of one-half to Joseph A. Bishop, Biloxi, Miss.
Application December 18, 1939, Serial No. 309,915
4 Claims. (Cl. 56—263)



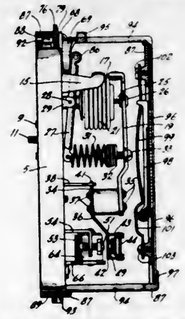
1. In a mowing machine or the like, a frame comprising side members having supporting-traction wheels, said side members extending forwardly of the traction wheels, a shaft transversely of the frame and having operative connection with the traction wheels to rotate the shaft, a cam fixed to the shaft, said cam having a peripheral cam groove, a pair of sleeves carried by each side member at the forward ends, the sleeves of one side member being aligned with sleeves of the other side member, said sleeves being longitudinally slidable, but non-rotative, each sleeve having a longitudinal bore, a rod extended through aligned sleeves, each rod having right hand screw threads on one end and left hand screw threads on the other end, an arm threadedly engaged on respective ends of the shafts, each arm having a forward planiform extension, the planiform extension of one arm being in opposed relation to the planiform extension of the other arm, each planiform extension having means for connection with a flat flexible cutting blade, each blade having V-shaped cutting teeth, said blades having mutual contacting engagement throughout their lengths, a lock nut on each threaded portion of the shafts in bearing engagement with respective sleeves, link means connected with each rod, and an oscillatable lever connected with each link, each lever having a roller complemental to the cam groove.

2,269,775
SCRAPER
Charles Le Bleu, Los Angeles, Calif.
Application April 24, 1939, Serial No. 269,570
15 Claims. (Cl. 37—144)



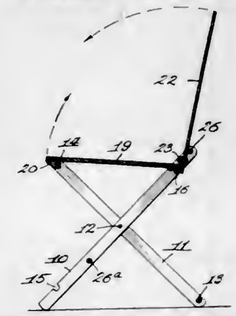
1. In a device of the character described, a tractor including a body and a pair of tread elements disposed one at each of the opposite sides thereof and journaled upon the body for relative swinging movement upon a common axis at a point rearwardly of their front free ends, control supports carried at one end by said tractor for swinging movement relative to said tread elements and having opposite free ends, and operable means for supporting the free ends of said control support, said means being continuous from one to the other of said supports and having operative support on both of said tread elements, said operable means being arranged to function automatically in response to the relative swinging movement of said tread elements to compensate said supports in any position assumed by each of the tread elements about their pivotal mounting.

2,269,776
CONTROL MECHANISM
Herbert E. Lindemann, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1938, Serial No. 230,723
26 Claims. (Cl. 200—83)



1. A control mechanism of the class described comprising a base, an operating arm arranged parallel to the base, means for effecting movement of said operating arm perpendicular to the base and in two directions, an armature bracket secured to but insulated from said operating arm and having an armature on the end thereof, a pair of movable contacts, connecting arm means supporting one of the movable contacts from each end thereof, means on the armature for pivotally supporting the connnecting arm means between its ends, a pair of fixed contacts arranged in operative relation to said movable contacts and engageable therewith responsive to the movement of the operating arm, a magnet arranged on the base between the contacts and in operative relation to the armature for providing snap action to the engagement of said contacts, the engagement of said contacts preventing the actual engagement of the armature with the magnet, and a stop on the base engaged by the armature bracket for limiting the movement of the operating arm when the contacts are disengaged.

2,269,777
FOLDING CHAIR
Oscar E. Lund, San Bernardino, Calif.
Application August 4, 1940, Serial No. 351,347
2 Claims. (Cl. 155—147)

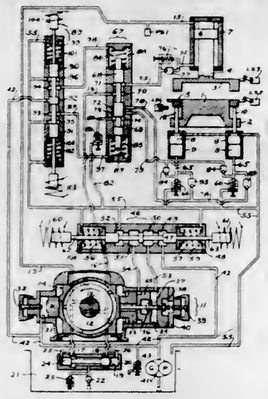


1. A folding chair comprising a pair of legs, transverse rails connecting the ends of the members of said pair of legs, a second pair of legs pivotally connected intermediate their ends to the intermediate portions of the first mentioned legs, those portions of the second mentioned legs above the axis provided by the pivotal connection being longer than those portions of the first mentioned legs above the axis of pivotal connection, a pair of transverse rails connecting the upper ends of the longer upper portions of the second mentioned pair of legs, a seat hinged to the lowermost one of the last mentioned transverse rails, a grooved rail secured to the under side of the forward portion of said seat for receiving the transverse rail that connects the upper ends of the first mentioned legs when the chair is open and a chair back hinged to the upper ends of the second mentioned legs between the transverse rails that connect the upper portions of said second mentioned legs, the lower portion of which chair back rests against both rails that connect the upper ends of the second mentioned legs when the chair is open.

2,269,778
METAL WORKING PRESS
Wesley P. Merrill, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 3, 1939, Serial No. 259,553
20 Claims. (Cl. 113—45)
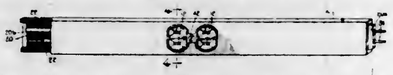
1. In a metal working press, the combination of a die, a pressure member arranged below said die and adapted to be moved downward thereby, hydraulic means including liquid containing means having displacement means arranged therein for supporting said member, said hydraulic means being adapted to have liquid expelled therefrom during downward movement of said member, means for providing sufficient resistance to the expulsion of liquid from said hydraulic means to cause a high pressure to be created therein and thereby enable said hydraulic means

to resist downward movement of said member, means adapted when effective to reduce the pressure in said hydraulic means to a value which is low enough to prevent said hydraulic means from raising said member when said die starts



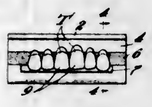
upward but which is high enough to support said member in the position to which it was moved by said die, and means responsive to said die reaching the end of its downward movement for rendering said last named means effective before said die starts upward.

2,269,779
ELECTRICITY CONDUCTOR UNIT
Louis G. Morten, Teaneck, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 6, 1940, Serial No. 312,633
1 Claim. (Cl. 173—334.1)



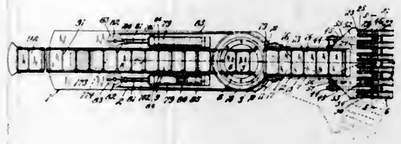
An electricity conductor unit arranged for seriatim mechanical and electrical interconnection with like conductor units to form a wiring system, comprising the combination with a tubular outer casing of electrical insulation material having open ends and apertures through a wall adapted for the passage of the blades of an attachment plug, of a core member comprising a body of electrical insulation material having a length equal to the length of such outer casing and arranged for slidable insertion therein, a plurality of tubular electricity conductors coextensive with said core member positioned therein in fixed mutually insulated relationship, and contact means on said electricity conductors and having operating surfaces disposed within open topped pocket means formed in said body of insulation material, whereby such operating surfaces are isolated within said body of insulation material; the apertures in said casing wall being so positioned intermediate the ends thereof that upon slidably inserting said core member into said outer casing to a position whereby an end of said core member projects from said casing for a predetermined distance, the pocket means and the operating surfaces of the therein disposed contact means of such core member are in registry with the apertures of the outer casing to permit such attachment plug blades to engage the operating surfaces of such contact means.

2,269,780
CARD FOR ARTIFICIAL TEETH
Martin Myerson, Brookline, Mass.
Application January 14, 1939, Serial No. 250,881
5 Claims. (Cl. 206—83)



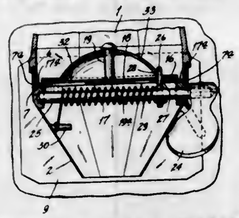
1. A card for artificial teeth which are designed to be used in a denture, said card comprising a body portion provided intermediate its upper and lower edges with a horizontally elongate body of plastic material operative detachably to secure a row of artificial teeth to the card and normally to hold them in relatively fixed position, said body of plastic material being so located and arranged that when the teeth are thus secured to the card the incisal edge portion of each tooth is spaced inwardly from the edge of the card with the incisal edge portions of the teeth extending beyond the body of plastic material and lying relatively close to the plane of the surface of the card, characterized in that the body portion of the card has an elongate light transmitting window within its borders and underlying the incisal portions of all of the teeth of the row, said window being uninterrupted from end to end and being of such character and so devised as to permit the passage of light therethrough for observing the incisal edge portions of teeth and thereby determining their translucency without disturbing the relative arrangement of the teeth or removing them from the card.

2,269,781
COAL MINING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Continuation of application Serial No. 115,687, December 14, 1936. This application March 8, 1940, Serial No. 323,033
3 Claims. (Cl. 262—28)



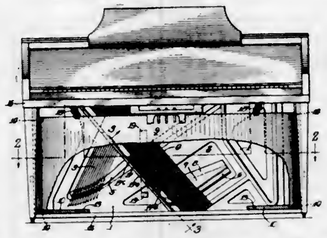
1. In a cutting and dislodging apparatus, in combination, a series of parallel vertical cutters for cutting simultaneously parallel vertical slots in the solid coal to form vertical projections of coal between the slots and for dislodging fragments of said coal projections as cutting progresses, and a deflector plate associated with said cutters and including portions projecting within the spaces between said cutter for deflecting the dislodged coal out of the paths of the cutters, said deflector plate receiving the deflected coal and the deflected coal moving over said plate toward its discharge position with respect to said plate.

2,269,782
DISPENSER
George H. Packwood, Jr., St. Louis, Mo.
Application February 12, 1938, Serial No. 190,179
9 Claims. (Cl. 221—62)



1. A dispenser for finely divided materials comprising a container having a bottom provided with a plurality of discharge openings and a rotary plate located above said bottom having means for selectively opening and closing the discharge openings in the plate, a substantially vertical axis for said plate, said container having downwardly diverging side walls and said discharge openings being located adjacent to said side walls whereby the material in the dispenser readily falls away from said walls onto the rotary plate, said rotary closure plate having the portion thereof located inwardly of said discharge openings offset upwardly to direct the said material toward the openings.

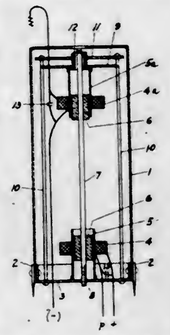
2,269,783
PIANO
Olaf Peterson, Rockford, Ill., assignor to Haddorf Piano Company, Rockford, Ill., a corporation of Illinois
Application March 16, 1940, Serial No. 324,264
3 Claims. (Cl. 84—194)



1. In a piano, in combination with a string plate, a sounding board, a treble bridge and a bass bridge both mounted on the sounding board, an auxiliary sounding board and a tone post having a single bearing against said auxiliary sounding board and including branched leg portions with means securing one of said legs to the treble bridge and means securing the other leg to the bass bridge.

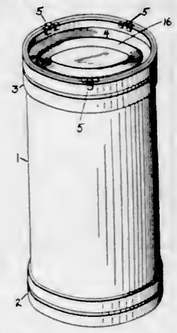
2,269,784
HIGH FREQUENCY COUPLING DEVICE
Wladimir J. Polydoroff, Wilmette, Ill.
Application June 19, 1939, Serial No. 279,893
In Great Britain September 23, 1938
5 Claims. (Cl. 178—44)

1. A high frequency coupling device including a plurality of inductively coupled resonant circuits, each comprising an adjustable inductance coil and a capacitor, ferromagnetic core means in each of said coils, said means forming a structure unitarily movable relative to said coils for frequency adjustments and having its core structure arranged to provide a constant degree of coupling between said circuits, and means for



providing further inductance adjustment in one of said coils by displacement of one of said coils relative to the other coil.

2,269,785
CONTAINER
Harry F. Rigerman, Kenmore, N. Y.
Application January 10, 1940, Serial No. 313,269
6 Claims. (Cl. 229—5.5)

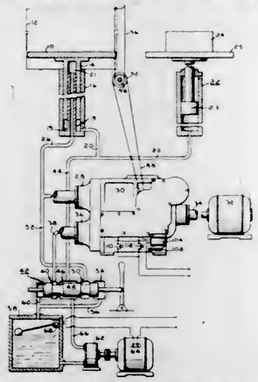


1. A container comprising a shell having a shoulder on its interior and near its end, and a closure plate in engagement with said shoulder, said closure plate comprising a metal plate with a channel located at its periphery and a concentric corrugation projecting inwardly of the container and spaced apart from said channel, and a chime strip fastened into the channel located at the periphery of said plate.

2,269,786
POWER TRANSMISSION
Edwin L. Rose, Woodbury, Conn., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application April 28, 1941, Serial No. 390,686
11 Claims. (Cl. 187—17)

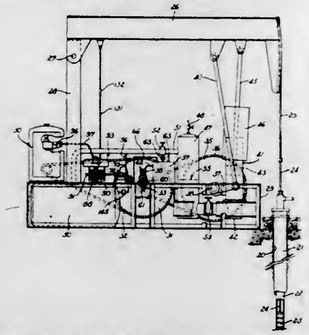
1. In a hydraulic elevator system the combination of a first fluid motor and a second fluid motor for operating the elevator, an accumulator having means for maintaining a nearly constant fluid pressure therein, said first fluid motor being effective to sustain a major portion only of the weight of the empty elevator at the pressure maintained by said accumulator, said two motors together being effective to raise the loaded elevator at said pressure, conduit means con-

necting the first fluid motor to the accumulator at all times, and a reversible variable displace-



ment pump connected between the accumulator and the second fluid motor.

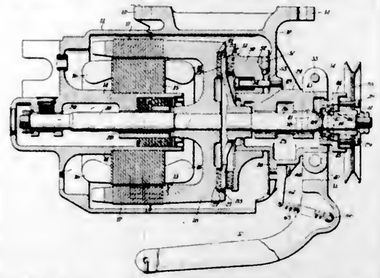
2,269,787
COUNTERBALANCING APPARATUS
Walter E. Saxe, Alhambra, Calif.
Application April 9, 1940, Serial No. 328,662
12 Claims. (Cl. 60—18)



1. In an apparatus in which a prime mover has a characteristic associated with and varying with the prime mover input and in which the prime mover reciprocates a loaded member through a power stroke and a return stroke, the combination therewith of: adjustable counterbalancing means adapted to derive energy from said prime mover on said return stroke and to deliver said energy to said member on the subsequent power stroke thereby to substantially equalize the loads on the prime mover on the two strokes; and means responsive to said characteristic to vary the adjustment of said counterbalancing means to increase or decrease the magnitude of said derived energy as the load on said member is increased or decreased.

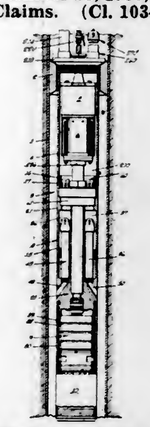
2,269,788
TRANSMISSION UNIT
Carl R. Schenk, Jersey City, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 5, 1940, Serial No. 328,034
3 Claims. (Cl. 192—18)

1. In an electric transmitter, a casing, an electric motor located in one end of the casing, a driving element within the casing and actuated by said motor, an interiorly arranged hub formed on the casing and located in the end opposite the motor, a brake-element carried by said hub and constrained to slide on said hub in a right line, a shaft journaled in said hub, a driven ele-



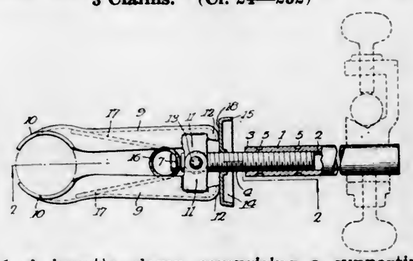
ment fixed to said shaft and disposed between the driving element and the brake-element, and means for sliding said brake-element on said hub towards the driven element for the purpose of adjusting said brake-element relative to the driving element.

2,269,789
FLUID PISTON PUMP
Benjamin F. Schmidt, Los Angeles, Calif.
Application September 28, 1937, Serial No. 166,097
28 Claims. (Cl. 103—165)



1. In a deep well pumping unit, the combination of a deep well pump assembly having means for lowering same into the well, and means for suspension of the assembly in a deep well, said assembly including a mechanical pump for a fluid piston, a shaft for operating the mechanical pump, means to rotate said shaft, said pump assembly having two fluid chambers with fluid therein, operating as a fluid piston, a rotatable valve having ports driven in synchronism with the mechanical pump by a connection to the shaft, flow ports and passages from each of the chambers to the valve, ports and passages connecting the valve to the mechanical pump whereby on operation of the pump and the valve the fluid is pumped from one chamber to another chamber, inlet means for well liquid to the fluid piston chambers including passages and a valved inlet to each chamber, a valved outlet from each chamber for the well liquid and means to conduct the flow of well liquid to the top of the well whereby, on operation of the pump and the valve, the fluid piston flows from one chamber causing an intake of well liquid therein and flows into another chamber causing upward displacement of well liquid from such a latter chamber.

2,269,790
CLAMP
Richard M. Sherrill, Evanston, Ill., assignor to Central Scientific Co., a corporation of Illinois
Application August 31, 1938, Serial No. 227,823
3 Claims. (Cl. 24—252)



1. A burette clamp comprising a supporting member, a stud having a threaded and an unthreaded portion, a nut traveling on the threaded portion of the stud, a pair of clamping arms pivotally supported on the unthreaded portion of the stud and movable towards and away from each other about a common axis, a spring also mounted on the unthreaded portion of the stud at a point spaced from said common axis for urging the arms apart, and a rounded portion associated with the clamping arms engaging the surface of the nut and cooperating with it for forcing the arms together.

2,269,791
ESTERS OF P-AMINOBENZOIC ACID
Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 19, 1940, Serial No. 353,248
4 Claims. (Cl. 260—471)
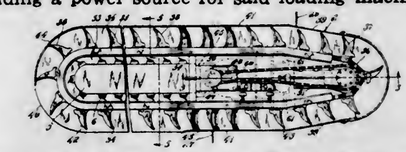
1. An alkyl p-aminobenzoate selected from the class which consists of 1,3-dimethylbutyl-p-aminobenzoate; 2,4-dimethylpentyl-p-aminobenzoate; and 2-ethylbutyl-p-aminobenzoate.

2,269,792
1-METHYLBUTYL-P-AMINOBENZOATE
Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 19, 1940, Serial No. 353,249
1 Claim. (Cl. 260—471)

1-methylbutyl-p-aminobenzoate.

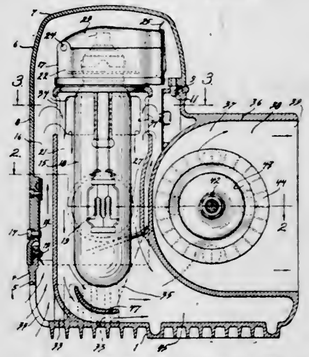
2,269,793
MINING APPARATUS
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 24, 1938, Serial No. 226,465
9 Claims. (Cl. 262—8)

1. In a mining and loading apparatus, the combination comprising a coal mining machine having kerf cutting mechanism adapted to form a kerf in a coal seam and means for moving the machine over the mine floor, a loading machine having conveying means adapted to gather loose coal from the mine floor, said conveying means having a horizontal gathering portion disposed in horizontal planes near the mine floor and an upwardly inclined, rearwardly extending elevating portion, means for attaching the loading machine to said mining machine for supported movement with the latter during the loading operation, means on said mining machine providing a power source for said loading machine,



said loading machine having a centrally located chamber extending longitudinally of said horizontal gathering portion thereof for receiving the kerf cutter of said kerf cutting mechanism when said machines are attached together, said upwardly inclined rearwardly extending portion of said conveying means extending over the top of the mining machine when said machines are attached together, and said loading machine being detached from said mining machine and supported independently of the latter during the kerf cutting operation.

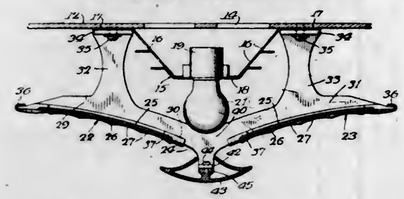
2,269,794
VENTILATED LAMP HOUSE
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1939, Serial No. 284,890
4 Claims. (Cl. 240—47)



1. In a device of the character described, the combination with an elongated outer enclosure closed at one end and including a part movable to open said end, of a similarly disposed elongated inner enclosure therein in central relation therewith and separate from said movable part and said enclosures providing vent space therebetween, a lamp mounting on said inner enclosure and within said outer enclosure in the region of said closed end for access thereto by means of said movable part and adapted for removably carrying a lamp extending within and longitudinally of said inner enclosure, said outer enclosure being provided with an intake vent into said vent space in the region of the end thereof opposite said closed end, said inner enclosure being provided with an intake vent from said vent space in the region of said lamp mount-

ing and with an outlet vent in the region of the end thereof remote from the closed end of the outer enclosure, and means for effecting air circulation outwardly from said outlet vent.

2,269,795
LIGHTING ARRANGEMENT FOR VEHICLES
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 19, 1937, Serial No. 143,501
10 Claims. (Cl. 240—7.35)



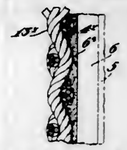
1. In a railway car having a roof, a ceiling beneath and spaced from said roof, an air conduit within said space extending longitudinally of said car and having discharge openings through said ceiling, a channel member beneath said conduit and openings, said channel member being provided with openings in its side walls for the passage of air from said conduit into said car, a plurality of lamp sockets within said channel member, lamps in said sockets extending below said member, reflector plates extending the length of said car beneath lamps, said plates having reflecting surfaces for reflecting light from said lamps onto said ceiling, said reflectors forming a slot beneath said lamps, and an auxiliary reflector for reflecting light projected from said lamps through said slots.

2,269,796
PACKAGE
Myron S. Strasser, Albany, N. Y.
Application June 7, 1938, Serial No. 212,237
1 Claim. (Cl. 206—46)



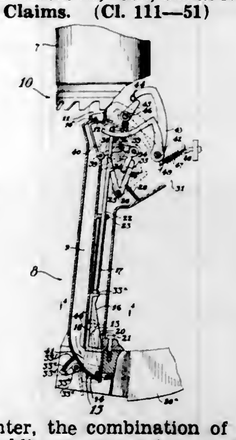
A package comprising an envelope of flexible material permanently closed at one end and having, when distended to capacity, the form of a rectangular prism, and a frame insertable within said envelope for maintaining the same distended, said frame comprising a strip of relatively rigid material transversely scored at intervals to form two pairs of similar, substantially rectangular panels; whereby said frame is adapted either to be folded flat or expanded to form a rectangular frame, the free side edges of said panels being substantially straight and parallel throughout the major portion of their lengths, but having each end thereof curved inwardly toward and in intersecting relation with the adjacent score line; whereby the packages are adapted to be stably stacked in substantially superposed relation one upon the other while those portions of the envelope overlying the corners of the frame are less stressed than otherwise and less susceptible to rupture when the package is grasped between the thumb and fingers in the corner zones thereof.

2,269,797
FUSED COLLAR
Thomas H. Swan, Troy, and Harry C. Donaldson, Jr., Brunswick, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Original application November 20, 1937, Serial No. 175,690. Divided and this application September 23, 1939, Serial No. 296,238
4 Claims. (Cl. 154—46)



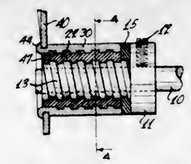
1. A moisture-pervious fused collar of the kind which has facing and rear webs of textile fabric, and a lining fabric including textile strands and a cementitious material, said cementitious material being initially non-adhesive but inherently capable of being made adhesive and of uniting and stiffening the facing and rear webs to form a composite collar structure, the facing web being of a substantially uniform surface texture and appearance and comprising a set of warp yarns interwoven with a set of weft yarns and having an outer surface which is commercially acceptable for use in collars and which is substantially free from cementitious material, the facing web being substantially thicker than the lining fabric, characterized in that the yarns of both of said sets are twisted three-strand yarns, said three-strand yarns being exposed at the inner face of said facing web and having helical bights of their constituent strands held in an encircling grip by the cementitious material.

2,269,798
PLANTING MEANS
Harry R. Traphagen, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application November 12, 1938, Serial No. 239,956
14 Claims. (Cl. 111—51)



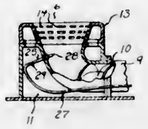
1. In a planter, the combination of a furrow opener, seed holding means and means for measuring seed from said seed holding means, a drop tube positioned to receive seed from the measuring means and extending to said opener, a gate at the end of the drop tube, a spring pressed plunger adapted to reciprocate in said drop tube, means for raising said plunger away from said gate for the accumulation of seed from the measuring means at the gate, means engaging the plunger for retaining it away from the gate, and means including a check line and a member engaging said line for removing said retaining means from engagement with the plunger for releasing the plunger for actuation by the spring pressure for forcible movement in the drop tube and contact with the seed accumulated at the gate for forcibly ejecting said seed from the drop tube into the ground.

2,269,799
FAN HUB AND SHAFT ASSEMBLY
Walter L. Upson, Litchfield, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application September 23, 1939, Serial No. 296,175
4 Claims. (Cl. 170—173)



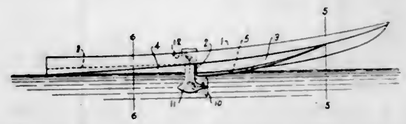
1. A hub and shaft assembly for a propeller type fan or the like, including a threaded stub shaft section having a collar at one end thereof, a bushing of compressible sound-insulating material carried on the stub shaft section, a hub sleeve mounted on the bushing, the bushing being in threaded engagement with the stub shaft, and the sleeve being in threaded engagement with the bushing, and a stop for the bushing, carried by the stub shaft, the threadedly related elements having their threads directioned so that normal rotation of the fan tends to compress the bushing against the stub shaft section.

2,269,800
STOKER CONTROL SYSTEM
Theodore A. Wetzel, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 14, 1939, Serial No. 290,137
4 Claims. (Cl. 236—15)



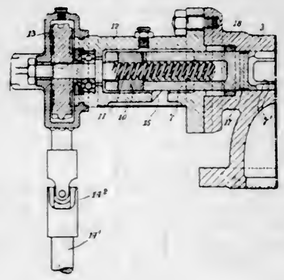
4. A control system for stokers of the type having a fire pot provided with an air supply chamber exteriorly thereof and having power driven means for feeding fuel to the fire pot, comprising: a thermocouple mounted with its cold junction in said air supply chamber and its hot junction in the fire pot and spaced a substantial distance beneath the normal fire zone in the fire pot, said thermocouple operating to produce a flow of current only when the fire "burns down" in the fire pot and approaches the hot junction of the thermocouple to heat the same; and means rendered operative by current generated in the thermocouple upon heating of its hot junction as the fire "burns down" for effecting the functioning of the power driven fuel feeding means.

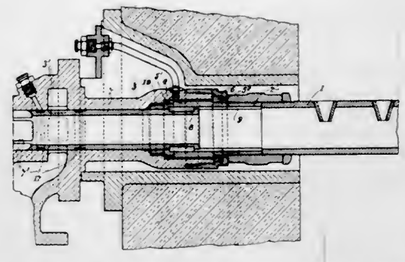
2,269,801
BOAT
Louis O. Willrich, Jr., Houston, Tex.
Application February 24, 1939, Serial No. 258,166
4 Claims. (Cl. 114—66.5)



1. A boat having a front, transversely concaved, planing surface and two transversely spaced, rear planing surfaces on the bottom thereof and a propeller located beneath the front planing surface.

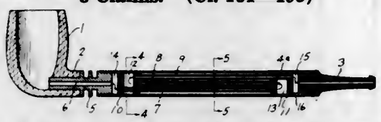
2,269,802
SOOT BLOWER
Allan Murray Wilson, Clydebank, Dumbartonshire, Scotland
Application October 20, 1938, Serial No. 236,004
In Great Britain October 27, 1937
6 Claims. (Cl. 122—392)





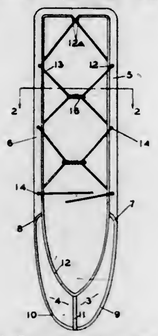
1. A soot blower which comprises a steam chest, a tubular member mounted in the chest for turning motion, means on said chest to restrain said tubular member against endwise motion relative to said chest, a cleaning-fluid ejector secured to said tubular member, said ejector consisting of a conduit having a number of discharge nozzles spaced apart lengthwise of the conduit, a ported sleeve valve mounted in the chest for both turning and endwise motion, means for actuating said valve including co-operating screw and cam devices for moving said valve turnably and endwise, and means on the valve and tubular member for transmitting turning motion to the tubular member and ejector, said last-mentioned means comprising an interengaging keyway and a key slidable in the keyway.

2,269,803
TOBACCO PIPE
Harold G. Wyse, Dayton, Ohio
Application December 22, 1939, Serial No. 310,482
3 Claims. (Cl. 131—195)



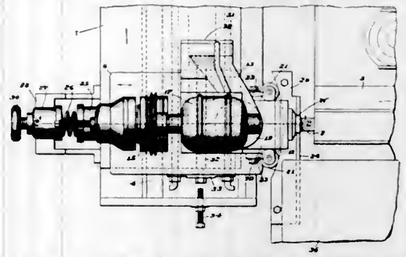
1. A tobacco pipe, the stem of which includes a perforate tubular section connected at one end with the pipe bowl and at the other end with the pipe bit, a pair of relatively spaced heads located in imperforate terminal portions of the tube in spaced relation with the bowl connection and with the bit, deposit chambers in the respective heads, additional deposit chambers formed beyond the respective heads intermediate the respective heads and the bowl connection and the bit, a plurality of radiator tubes connecting the respective deposit chambers at each end of the tubular section beyond the respective heads with the chambers within the heads at the opposite ends of the tubes, an additional tube interconnecting the chambers within the respective heads one with the other, the construction and arrangement being such that there is provided a tortuous passage between the bowl and the bit, including a plurality of interconnected deposit chambers connected in sequence, the imperforate terminal portions of the perforate tube defining a part of each deposit chamber, the interconnecting conduits of which are exposed to circulation of atmospheric air.

2,269,804
REVERSIBLE IRONING BOARD COVER
William J. Allaback, Detroit, Mich., assignor to Fraser Products Co., Detroit, Mich.
Application April 1, 1941, Serial No. 386,298
3 Claims. (Cl. 38—140)



1. Side and end flap construction for an ironing board cover of elongated rectangular shape and capable of reverse application to an ironing board and comprising in combination: a cut portion at one end of said cover member comprising a pair of cuts of which one is on either side of the center line of said cover member and of which each extends first at right angles away from said center line at the said end of said cover member and then curves smoothly toward said center line until said cut lines are diverging only relatively slightly away from said center line and extending to reach a portion of said cover member substantially one-third of its length away from the above named rounded end, thence curving suddenly away from said center line on a diminishing radius to enter the sides of said rectangle at a wide angle, the sides of said cover member being folded along parallel lines which are each parallel to the center line of said rectangle and which lines are located to enter each of the above mentioned cutting lines at the points where said cutting lines commence to turn sharply away from said center line by which to form a flap on each side of said member; an end member defined by a line commencing at the intersection of the center line of the said cover member with the rounded end thereof and extending to coincide with one side of said rounded end portion to the point where the folding line of same intersects said cutting line and thence curving toward the center line of said cover member to follow the adjacent curved end of the adjacent one of said flaps in its turned over position to a point coinciding with the edge of said flap, thence extending back toward the point of beginning of the first named line and intersecting the center line of said cover member at a point spaced away from the said point of beginning a distance greater than the width of either of said flaps, thence extending to the point of beginning; another end piece of similar shape to the one above described in inverted position for application to said end on the other side of said center line, said end members being fastened to each other along their mutually contacting edges and being also fastened to said cover member along the mutually coincident edges thereof.

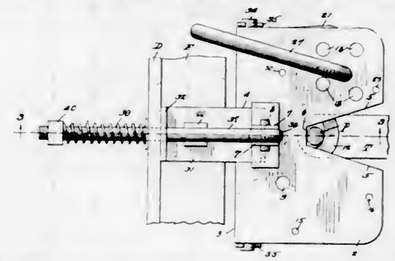
2,269,805
GRINDING MACHINE
Harry Arter, Worcester, Mass., assignor to Arter Grinding Machine Company, Worcester, Mass., a corporation of Massachusetts
Application February 29, 1940, Serial No. 321,389
10 Claims. (Cl. 51—100)



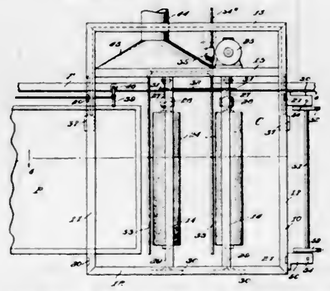
1. In a grinding machine, the combination of a work holder assembly including a chuck and a support therefor, a grinding wheel for operating on the work held in said chuck, two rolls connected wtih said support for movement therewith while rolling along the arcuate guiding surface of a templet, mechanism for reciprocating said holder to traverse said rolls along said guiding surface of the templet, means supporting said assembly for pivotal movement about an axis lying within the range of oscillation of a perpendicular bisector of a chord connecting the points of contact of said rolls with said guiding surface as they are moved backward and forward along said surface, and means operating through said work holder to hold said rolls in contact with said guiding surface of the templet.

2,269,806
HITCH
Anton P. Brecka, Prague, Nebr.
Application July 10, 1940, Serial No. 344,822
1 Claim. (Cl. 280—33.15)

A hitch for attachment to and extension rearwardly beyond the rear end of a vehicle frame, said hitch including spaced upper and lower members mounted for up and down swinging movement about an axis along one edge of the plates, there being recesses extending into those edges of the plates remote from the said axis, means between the plates for engaging and holding a coupling element inserted into the recesses, said means including a spring-restrained thrust-receiving arm extending between and mounted to swing toward and from the closed inner ends of the recesses, a retaining arm spaced from and movable with the thrust-receiving arm, said retaining arm being movable into position either across or removed from the recesses, a cam mounted to swing laterally between the plates, a sliding bolt between the plates, an arm thereon, a spring connected to the bolt and constituting means for pressing the bolt arm against the cam to hold the cam normally in a retracted position and for holding the bolt at one end normally projected into the path of the retaining arm for retraction by said retaining arm when moved to one extreme position, said cam and bolt arm cooperating for retracting the bolt from the path of the retaining arm.

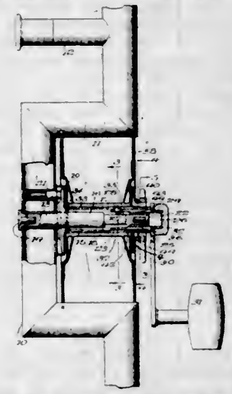


2,269,807
SCRUBBING OR CLEANING MACHINE
Milford A. Buckley, Olean, N. Y., assignor to Carley Heater Company, Inc., Olean, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,707
3 Claims. (Cl. 15—77)



3. A scrubbing and cleaning machine comprising an enclosed chamber defined by transparent side and end walls, longitudinally aligned slots in the end walls, a trolley supporting track extending through the chamber and slots in the end walls for conveying plates through the chamber, a vertically disposed brush rotatably supported within the chamber at each side of the track, a spray pipe in advance of each brush, means for establishing and restricting flow of water through the pipes, and means for conveying vapor away from within the chamber.

2,269,808
REEL
Alexander A. Cabassa, Lakeland, Fla.
Application June 4, 1940, Serial No. 338,798
9 Claims. (Cl. 242—84.5)



6. In a reel, the combination of a fixed spindle, an inner sleeve rotatably mounted on said spindle, an outer sleeve mounted on said inner sleeve for axial movement thereon, a brake shoe carried by each of said sleeves, a spool rotatably mounted on said outer sleeve and disposed between said shoes, means for urging one of said brake shoes out of engagement with said spool, and means for overcoming said means and imparting axial movement to said outer sleeve for causing the brakes to be applied to said spool.

2,269,809
DUSTER
Ruth Williams Chandler, Tulsa, Okla., assignor of one-twentieth to Edward P. Randall, Tulsa, Okla.
Application October 29, 1940, Serial No. 363,361
1 Claim. (Cl. 15—147)



In a duster, a head comprising a substantially H-shaped frame having a cross bar and side arms and consisting of a wire strand bent to form the cross bar and portions extending laterally from the ends thereof, the said portions being each folded outwardly back upon itself to provide inner and outer portions of a side arm, the said outer portions extending across the cross bar in spaced relation to ends thereof and at a point

well beyond the cross bar being folded inwardly back upon themselves in spared relation to the outer portions and at their extremities formed with eyes engaged about ends of the cross bar, the outer portion of each arm being bowed longitudinally its full length and braced by the companion inner portions extending in opposite directions from the cross bar with the outer ends merging into ends of the bowed outer portion, a handle having outwardly-extending forks at its front end terminating in eyes engaged about the cross bar of said head and mounting the head for complete turning movement about the cross bar as an axis, said eyes of said fork engaging the inner faces of said first-mentioned eyes, whereby said folded-in portions are held spaced to permit complete rotation of said H-shaped head, and fabric jackets of dusting material removably fitted about the side arms in enclosing relation thereto and formed along their inner side edges with openings for insertion and removal of the arms.

2,269,810
RESINOUS COPOLYMERS OF VINYL AROMATIC COMPOUNDS
Robert R. Dreisbach and Sylvia M. Stoesser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 4, 1938, Serial No. 233,322
8 Claims. (Cl. 260—86)

1. A resinous co-polymer of styrene with a nuclear alkaylated styrene, which co-polymer contains, in chemically combined form, an appreciable proportion of each of said compounds.

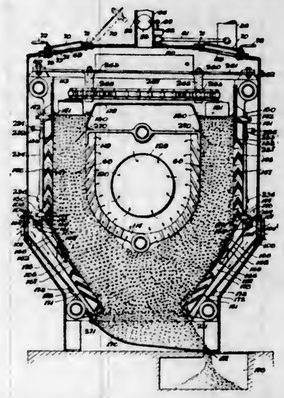
2,269,811
WIRE BRUSH
Louis J. Elwood, Los Angeles, Calif.
Application February 21, 1941, Serial No. 380,047
1 Claim. (Cl. 15—236)



As an article of manufacture, a brush embodying a head, a plate engaging one side of the head and provided at intervals with struck-out prongs embedded in the head for securing the plate in substantial facial contact with said one side of the head, said plate having pressed therefrom a series of parallel grooves disposed obliquely with respect to the longitudinal dimensions of the plate, and a single length of wire wound in a rectangular shape having the respective opposite ends thereof engaging in the endmost grooves at the respective opposite ends of the plate, with intermediate convolutes respectively having one section thereof engaging in an intermediate groove and confined therein by reason of the plate at the open sides of said grooves being secured in facial contact with said side of the brush head.

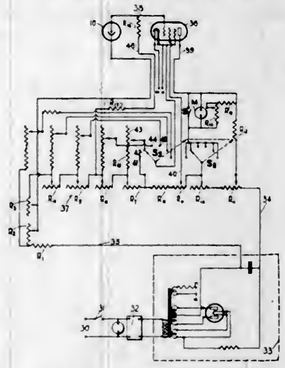
2,269,812
AUTOMATIC STOKER
Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application October 9, 1939, Serial No. 298,661
32 Claims. (Cl. 110—32)

4. In a cross draft stoker spaced end members, spaced side members supported between said spaced end members, downwardly and inwardly disposed portions extending from said side members, tuyère members mounted for reciprocation between said spaced side members, lower tuyère



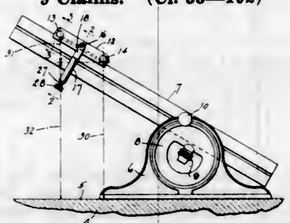
members mounted for reciprocation on said inwardly disposed portions, means for reciprocating said first named tuyère members and means operated by said first named tuyère members for reciprocating said second named tuyère members.

2,269,813
PHOTOMETER SYSTEM
William E. Garity, Los Angeles, and Halley Wolfe, North Hollywood, Calif., assignors to Walt Disney Productions, Burbank, Calif., a corporation of California
Application July 31, 1940, Serial No. 348,614
12 Claims. (Cl. 88—23)



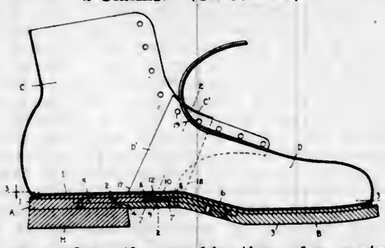
3. A system for measuring light intensity comprising: a source of current; a plurality of resistances in series connected across the source of current, said resistances comprising a bleeder circuit; a photoelectric cell; a measuring circuit operably connected to the photoelectric cell and to the current supply, said measuring circuit including an amplifier tube having a plate and a cathode; a switch in the measuring circuit; a plurality of separate cathode circuits connected to various parts of said bleeder circuit; and a selector switch connected to the cathode of said tube and adapted to connect the same with any one of said cathode circuits.

2,269,814
MEASURING INSTRUMENT
John G. Gibson, Los Angeles, Calif.
Application March 3, 1941, Serial No. 381,418
9 Claims. (Cl. 33—102)



1. In a measuring attachment for a bevel protractor having a straightedge for engaging a flat surface on work and having a scale at an angle to said edge: a bar longitudinally slidable upon the scale, means to clamp the bar in adjusted positions along the scale, and laterally projecting pins on the bar disposed a predetermined distance apart along a line parallel with an edge of the scale for disposition at different distances from said work surface, to employ the sine bar principle in measuring the angle of the scale to said work surface.

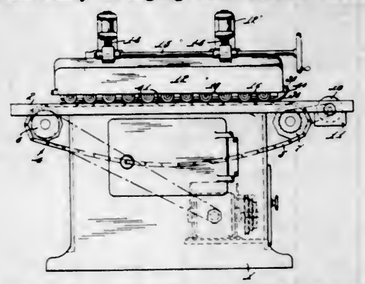
2,269,815
SHOE
Benjamin B. Goodman, Baltimore, Md., assignor of one-half to Harry Scheinberg, Baltimore, Md.
Application January 11, 1939, Serial No. 250,409
2 Claims. (Cl. 36—8.5)



1. In a shoe, the combination of a posterior outsole portion having a concave forward edge and a longitudinal recess in its inner face extending rearwardly from said edge; an anterior outsole portion having a convex rear edge received in the concavity of the posterior portion, and a longitudinal recess in its inner face extending forwardly from said convex edge, the two recesses being aligned; a lower hinge member disposed in the recess of the posterior portion and a portion of the recess of the anterior portion and fixed to the posterior portion; an upper hinge member disposed in the remaining portion of the recess in the anterior portion and fixed to the anterior portion; and a pintle pin pivotally relating said hinge members.

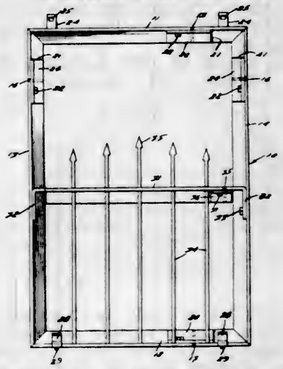
2,269,816
VENEER JOINING MACHINE
George M. Gustin, Wabash, Ind., assignor to The G. M. Diehl Machine Works, Wabash, Ind., a corporation of Indiana
Application October 22, 1938, Serial No. 236,455
16 Claims. (Cl. 144—279)

1. In a machine of the character described, the combination with a work table, of a pair of horizontally traveling laterally spaced conveyors in the top surface of said table, spring-pressed rollers above the positions of said conveyors adapted to press the work onto said conveyors, means for simultaneously swinging said rollers relatively



to the line of movement of the work and means for releasing said rollers from said simultaneous swinging means to permit each to be swung independently.

2,269,817
WINDOW SCREEN AND MOUNTING THEREFOR
Dock G. Horton, Birmingham, Ala., assignor of one-half to Forrest T. Holsumback
Application January 23, 1941, Serial No. 375,682
2 Claims. (Cl. 156—14)

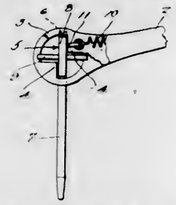


1. In combination a screen mounting frame for use in a window frame comprising adjoining angle bar sections arranged end to end for adjustment and forming a rectangular structure, said sections being relatively adjustable to increase and diminish the size of said mounting frame, respectively, in accordance with variations in size of window frames of a given type due to manufacturing imperfections, a screen fitting in said mounting frame, and means to secure said sections together in adjusted relation comprising angle bars bridging the ends of adjoining sections, said bars being fixed to one of each of the adjoining sections and adjustably connected to the other adjoining section, said bars bearing against said screen to retain the same in said mounting frame.

2,269,818
HAND RAKE
Cecil L. Hysell, Pomeroy, Ohio, assignor of one-sixth to Manning D. Webster, one-sixth to Roland R. Boise, and one-eighth to James Weber, all of Pomeroy, Ohio
Application February 19, 1941, Serial No. 379,660
1 Claim. (Cl. 56—400.20)

A hand rake of the character described com-

prising a handle, diverging arms on one end portion of said handle, opposed eyes on the free ends of said arms, a head including a substantially flat back, teeth integral with said back, substantially flat trunnions on the ends of the back journaled in the eyes, pins in the trunnions for securing said trunnions in said eyes, a coil spring having one end connected to the handle



and its other end connected to the back above the axis thereof for rotating the head in one direction, and substantially V-shaped, diametrically opposite lugs in the eyes engageable edgewise flat against the opposite sides of the trunnions for limiting the rotation of the head in opposite directions through substantially an arc of 180°.

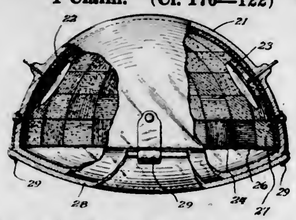
2,269,819

WHITE LIGHT LAMP

Sampson Isenberg, Chicago, Ill., assignor to General Luminescent Corporation, Chicago, Ill., a corporation of Illinois

Application August 17, 1938, Serial No. 225,351

1 Claim. (Cl. 176—122)



A lamp adapted to emit a white light, said lamp comprising a lower portion adapted to pass light, an upper portion carrying a combination of materials adapted then to produce at least a major proportion of the radiations found in the visible spectrum, said upper portion including a plurality of members presenting a generally smooth surface of small area, each of said surfaces being coated with a single fluorescent material, and the number of surfaces coated with the different materials being such that together they produce the general character of radiations found in white light, means for supporting said members in position to direct radiations therefrom through said lower portion of the lamp, and means associated with the lamp for exciting the said materials to cause them to become luminescent.

2,269,820

HOLDER FOR DENTAL FILM DEVELOPING HANGERS

James A. Jones, Scottsville, and Edwin M. Nash, Charlottesville, Va.

Application March 18, 1941, Serial No. 384,008

5 Claims. (Cl. 95—100)

1. A holder for dental film hangers which comprise a central bar and film clips carried thereby to project laterally therefrom, said holder comprising a body having a top, sides and base portions, the top being elongated and provided adjacent one end with a bar end receiving



slot and adjacent the other end with a tongue under which the bar may be slipped and held.

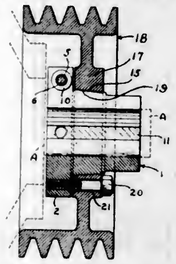
2,269,821

SHEAVE

Walter W. Kemphert, Maplewood, N. J., and Draper E. Tessendorf, Fort Worth, Tex., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application October 16, 1940, Serial No. 361,408

1 Claim. (Cl. 74—230.1)



In a demountable sheave structure for use in a power transmission drive, a hub having its outer surface tapered for at least a part of its length and being split longitudinally on one of its radii to allow easy mounting and accurate positioning of the hub upon a shaft, means for clamping the hub in fixed position upon a shaft, an annular flange formed upon the inner end of the hub and provided with a plurality of threaded cap screw receiving openings, a demountable rim, a hub engaging collar carried by the rim and having a tapered bore for fitting over the tapered portion of the hub, said collar having smooth unthreaded cap screw receiving openings therein for receiving cap screws for threading into the threaded openings in the flange to draw the rim upon the hub and provide a press fit of the rim and hub upon a shaft, said collar provided with threaded cap screw openings for receiving cap screws for forcing engagement against said flange to force the rim off the hub.

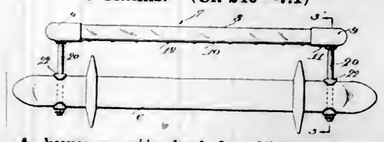
2,269,822

BUMPER ATTACHED HEADLIGHT

George W. Kowalsky, Wisconsin Rapids, Wis., assignor of one-half to Albert J. Forst, Wisconsin Rapids, Wis.

Application July 15, 1940, Serial No. 345,640

3 Claims. (Cl. 240—7.1)



1. A bumper attached headlight comprising, an elongated transparent tube, a tubular holder for supporting each end of said tube, means for attaching said holders to the bumper whereby said tube will be held above said bumper and

rearwardly thereof, said means including a vertical post attached to each holder, clamping means on said bumper through which said posts extend, and illuminating means carried by said tube.

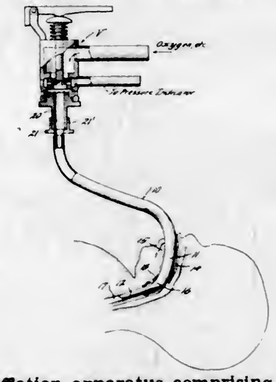
2,269,823

INSUFFLATION APPARATUS

Joseph Kreiselman, Washington, D. C.

Application November 24, 1939, Serial No. 306,016

3 Claims. (Cl. 128—184)



1. Insufflation apparatus comprising a flexible tubular member having main and tip portions connected by an intermediate portion, the diameter of the tip portion being such as to render the tip easily insertable into the trachea, the length thereof not exceeding the length of the trachea, and the end of the tip having an opening through which gas may be insufflated or exhaled, the main portion of said member being of larger diameter and of greater length than the tip, and the intermediate portion being substantially frusto-conical and adapted to be seated in and to seal the mouth of the windpipe or larynx against the escape of insufflated gases between the larynx and tubular member and entry of foreign matter into the trachea, and to limit the extent of introduction of the tip portion into the trachea.

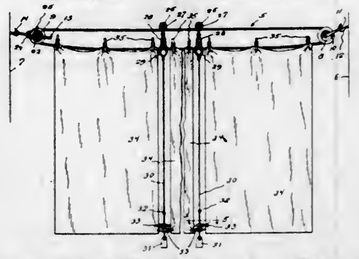
2,269,824

CLOTHESLINE

Adolph T. McCormack, Oakland, Calif.

Application June 3, 1941, Serial No. 396,449

4 Claims. (Cl. 211—119.01)



1. In a clothes line device, an endless clothes line, means for attaching and movably suspending said clothes line between spaced supports, pulleys movable over a run of the clothes line, sustaining lines connected with said pulleys, weights connected to said sustaining lines to normally sustain the latter in perpendicular position, and means for connecting articles suspended from the clothes line to said sustaining lines.

2,269,825

ALKANOL AMINE DERIVATIVE OF IRON CARBONYL AND COMPOSITION COMPRISING SAME

William K. McPherson, Ames, Iowa, and Leo M. Christensen, Miller, Nebr., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 19, 1939, Serial No. 285,356

5 Claims. (Cl. 44—9)

1. A liquid composition comprising iron pentacarbonyl and, as an agent for stabilizing the latter against decomposition by light, the product of the reaction of iron pentacarbonyl with an alkanol amine, which reaction product contains an iron carbonyl radical and an alkanol amine radical chemically combined in the same molecule.

2,269,826

ALKANOL AMINE DERIVATIVE OF IRON CARBONYL

William K. McPherson, Ames, Iowa, and Leo M. Christensen, Moscow, Idaho, assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Original application July 19, 1939, Serial No. 285,356. Divided and this application February 7, 1941, Serial No. 377,914

8 Claims. (Cl. 260—439)

1. A red liquid product of the reaction of a liquid iron carbonyl with an alkanol amine.

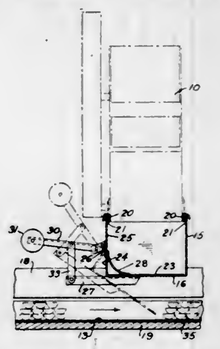
2,269,827

INSPECTION TRAP FOR FRUIT

Manuel Mendoza, Sunnyvale, Calif., assignor to Schuckl & Co., Inc., San Francisco, Calif., a corporation of California

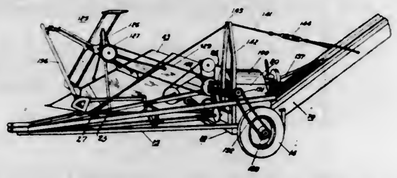
Application May 9, 1939, Serial No. 272,730

5 Claims. (Cl. 198—56)



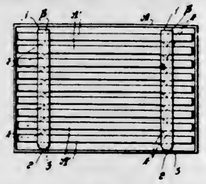
1. In an inspection trap for articles of manufacture, the combination of an endless conveyor belt, an elongated trough through which the conveyor belt is adapted to pass, a receptacle disposed above said conveyor, a hinged bottom in said receptacle, a bar secured to said bottom and projecting therefrom, and counter-weight means pivotally connected to a side wall of said receptacle and having an operative connection with the bar on said bottom to normally urge said bottom into its closed position.

2,269,828
FIELD FORAGE CUTTER
George E. Michel, Ralph G. Michel, and Floyd B. Emmons, Marion, Iowa
Application August 7, 1939, Serial No. 288,714
6 Claims. (Cl. 56—16)



1. In a grass crop harvester and ensilage cutter, the combination, a sickle cutter means, a grass elevator, a feeder table, a plurality of feeder rolls, a rotary ensilage cutter, a hopper located below the ensilage cutter, an ensilage elevator leading from the hopper, a framework having supporting wheels for mounting all of the aforementioned members, a tongue extending forwardly from the frame at one side of the center thereof, the sickle cutter means extending forwardly from the other side of the frame means for driving the sickle, the sickle elevator, the feed table, feeder rolls, rotary cutter and ensilage elevator from a single power shaft, said power shaft extending longitudinally of the tongue and adapted to be driven from the power take-off of a tractor or the like used for towing the field forage cutter, the ensilage elevator machine extending rearwardly from the frame, and means for coupling a wagon to the frame directly to the rear of the tongue and below the ensilage elevator.

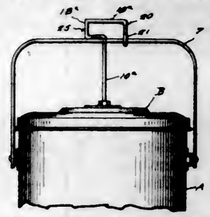
2,269,829
BEEHIVE COMB OR FRAME SPACER
Henry A. Schaefer, Hale Township, Trempealeau County, Wis.
Application May 31, 1940, Serial No. 338,209
1 Claim. (Cl. 6—2)



Bee-hive comb or frame spacers, comprising a pair of flat elongated wooden spacing bars provided on their inner faces with pairs of inwardly extending diagonally disposed metal pegs adapted to extend into the spaces between the corresponding frames and act to space the frames to the maximum extent when the spacing bars are moved from an inwardly inclined to a perpendicular position.

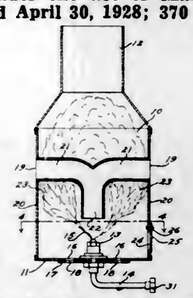
2,269,830
CAN CLOSURE
Emile A. Schayot and John M. Poché, New Orleans, La., assignors of one-half to George Sladovich, Jr., and Dave Gleason, both of New Orleans, La.
Application May 2, 1939, Serial No. 271,412
7 Claims. (Cl. 220—36)

1. In combination, a can, a swingable bail connected to the can, a lid for the top of the can, said bail having an opening at the intermediate



portion thereof, a stem rising from the lid and being slidable through the opening of the bail.

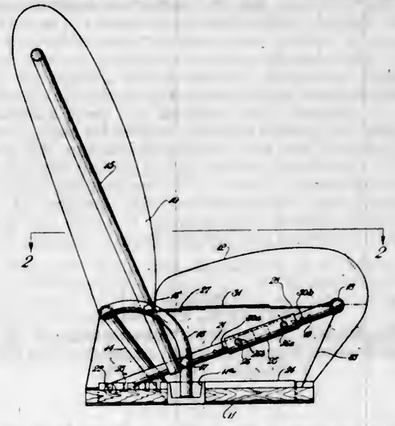
2,269,831
ORCHARD HEATER
Arthur H. Senner and Richard E. Nest, Baltimore, Md.; dedicated to the free use of the People of the United States of America
Application November 16, 1939, Serial No. 304,786
4 Claims. (Cl. 158—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An orchard heater of the oil burning type comprising a combustion chamber, a flue surmounting said chamber, a spray nozzle within said chamber, said spray nozzle being adapted to receive fuel oil under pressure and to deliver it upwardly into said chamber in the form of a spray of atomized oil, primary air inlets below said nozzle, means for regulating the flow of air through said inlets, a down draft air tube disposed above said nozzle terminating at a point which, in operation, is within the spray of atomized oil delivered from said nozzle, and air inlet tubes connecting said down draft air tube with the exterior atmosphere.

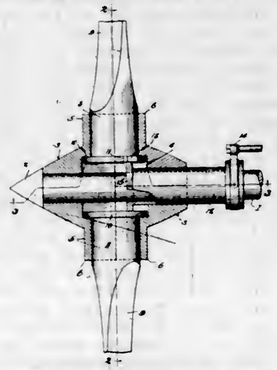
2,269,832
SEAT CONSTRUCTION
Gilbert V. Soper, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 30, 1938, Serial No. 243,188
1 Claim. (Cl. 155—55)

In a seat construction, a base, an anchoring member carried by said base adjacent the rear of the seat, a front member having rearwardly extending end portions, distortable load-receiving means tautly secured between said anchoring member and said front member, means for limiting the upward movement of said front member, side arms pivotally secured to said base adjacent the rear thereof for pivotal movement in a vertical plane and for supporting said front member, sleeves slidingly receiving said side arms and end portions to permit relative longitudinal movement therebetween whereby said front member may be moved forwardly and rearwardly relative to said anchoring member, and means securing said side arms and end portions in said sleeve, said side arms being positioned so that



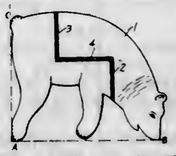
they move said front member forwardly relative to said anchoring member when they are forced downwardly by load whereby the tension in said load-receiving means is increased.

2,269,833
PROPELLER
Clayton Upton, Chester, Ill.
Application January 11, 1941, Serial No. 374,121
1 Claim. (Cl. 170—163)



In a pitch-change mechanism for propeller blades, a drive shaft, a hub secured to the shaft and having a chamber, propeller shafts journaled in the hub, heads on the propeller shafts, within the chamber, and engaging the hub at opposite sides of the chamber, the heads having substantially radial guides, an operating member movable longitudinally of the drive shaft, a foot on the operating member and located in the chamber, the foot being disposed between the heads, slidably, and in engagement therewith to secure rotation of the operating member along with the drive shaft, slides mounted to reciprocate in the guides, and pins carried by the foot and of a common diameter from end to end, the length of each pin being substantially equal to the thickness of the corresponding head, the pins having pivotal engagement with the respective slides, the slides fitting closely between the foot and the bases of the guides.

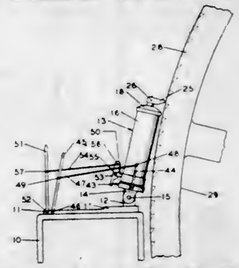
2,269,834
CHILD'S CONVERTIBLE UNIT
Edward G. Wagner, Dayton, Ohio
Application January 22, 1940, Serial No. 314,901
7 Claims. (Cl. 155—69)



2. A child's convertible unit wherein a pair of side members are shaped in the contours of an object, person, animal, or abstract form, including marginal bearings disposed in right angle intersecting lines, upon which the unit may be supported in alternate upright and recumbent position, and an arcuate marginal bearing portion intermediate the extreme ends of the right angle bearings, upon which the unit may be supported for rocking motion in a recumbent position and a structure intermediate the side member and connected therewith, usable alternately as a seat and as a step ladder.

4. A convertible chair and ladder unit positionable for use in any one of at least three positions, including parallel spaced side members, and equally spaced parallel steps intermediate the side members interconnecting the side members in relatively fixed relation, optionally selectable aligned marginal bearings disposed in right angle relation and an arcuate marginal bearing upon the side members determinative of alternative upright positions of use of said side members so shaped and arranged as to optionally support the unit in alternate stationary upright or recumbent positions of rest and for rocking motion when in reverse recumbent position.

2,269,835
DEVICE FOR SPOTTING INTERNAL COMBUSTION ENGINES
Glenn M. Wallace, Bryant, and Roy Magerkurth, Oklahoma City, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application July 28, 1939, Serial No. 287,148
4 Claims. (Cl. 254—93)



2. In apparatus for rotating the flywheel of an internal combustion engine, the combination comprising a support; a fluid actuated jack pivotally connected to the support, said jack including a housing, a piston reciprocating within the housing, a piston rod connected to the piston and having one end projecting beyond the housing for engaging the flywheel to rotate the same, a fluid inlet port and a fluid exhaust port for the housing, a valve for controlling the admission and exhaust of fluid into and from the housing, and means for normally maintaining the valve in exhaust position; means exterior the housing for

operating the valve to control the admission of fluid into the housing; and remotely controlled means for tilting the jack with respect to the support to place the jack in engagement with the flywheel.

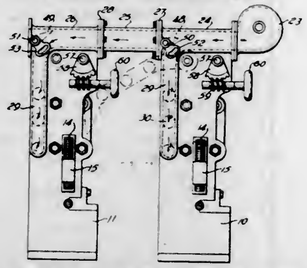
2,269,836

PRINTING PRESS AND WEB DRYING MEANS THEREFOR

Adolph Weiss, Brooklyn, N. Y., assignor to Champlain Corporation, Garfield, N. J., a corporation of New York

Substitute for abandoned application Serial No. 126,765, February 20, 1937. This application May 7, 1940, Serial No. 333,712

16 Claims. (Cl. 101—416)



16. In a rotary intaglio printing press having a printing cylinder, and a pressure roller cooperating therewith, the improvement which comprises: web guiding means located in juxtaposition to the pressure roller, a frame supporting said means and the pressure roller, and means for movably supporting said frame, the frame being movable to shift the web and the supported parts away from the printing cylinder to give access to the printing cylinder.

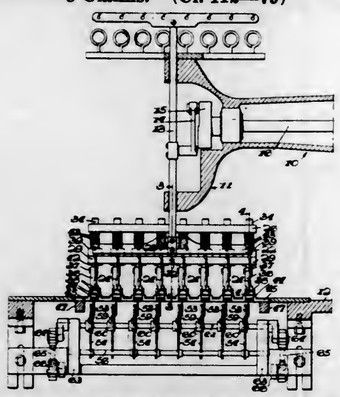
2,269,837

MULTIPLE NEEDLE TUFTING MACHINE

Roy H. Windham, Rome, Ga., assignor to Burl J. Bandy, Dalton, Ga.

Application October 13, 1939, Serial No. 299,382

8 Claims. (Cl. 112—79)



1. In a multiple needle tufting machine, a work support, stitch-forming mechanism including a plurality of needles mounted upon one side of the work support, means to reciprocate the needles, feed dogs to coact with the needles, means to operate the feed dogs, a generally horizontal guide-bar having spaced guide devices corresponding in number and arrangement to the needles, a generally horizontal presser bar spaced from the guide-bar and having guide devices corresponding in number and arrangement to the guide devices of the guide-bar, means to move the generally horizontal presser bar toward the guide-bar, substantially vertical auxiliary presser bars slidably mounted in the guide devices of the guide-bar and of the generally horizontal presser bar, a presser foot carried by each auxiliary presser bar, a stop element carried by each auxiliary presser bar and adapted to engage the generally horizontal presser bar, a spring carried by each auxiliary presser bar and engaging the stop element and the guide-bar, the springs of the auxiliary presser bars serving to move the generally horizontal presser bar from the guide-bar.

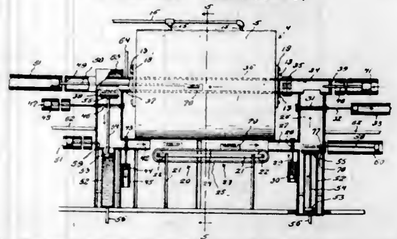
2,269,838

SINTERING FURNACE

Woodrow L. Wroblewski, Schenectady, N. Y.

Application March 29, 1941, Serial No. 385,939

3 Claims. (Cl. 263—6)



1. In an apparatus of the character described, a pair of conduits arranged at opposite ends of a furnace and including vertical portions, upper and lower horizontal portions and having the lower horizonal portions arranged in a plane below the furnace and having the upper horizontal portions connected to said furnace for guiding article carrying boats into and out of said furnace, an endless conveyor operating between said lower horizontal portions of the conduits to receive boats from one of said lower horizontal portions and to deliver boats to the other lower horizontal portion, means for moving the boats in the horizontal portion of one of said conduits from its vertical portion to the conveyor, means for moving boats from said conveyor through the lower horizontal portion of the other conduit to the vertical portion thereof, means for moving the boats through the vertical portions of the conduits, means for moving the boats from the upper horizonal portion of one of the conduits into the furnace, means for moving boats from the furnace into the upper horizontal portion of the other conduit.

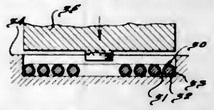
2,269,839

METHOD OF FORMING METALLIC ARTICLES

Leonard A. Young, Detroit, Mich.

Application October 22, 1938, Serial No. 236,586

2 Claims. (Cl. 29—188)



1. The method of producing a metallic article from a blank having relatively high strength and high thermally conductive properties, which comprises the steps of fabricating the blank from spaced sections of a ferrous metal and interposed sections of a non-ferrous, more ductile and more thermally efficient metal, and thereafter uniting said ferrous and non-ferrous metal sections of said blank by subjecting them to pressures at which the ferrous metal will cold flow whereby the said ferrous metal and said non-ferrous and more ductile metal are mechanically united to form a substantially enveloping non-ferrous metal surface in which veins of said non-ferrous metal are interspersed through the body of the said ferrous metal.

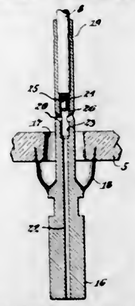
2,269,840

TIPLESS EXHAUST

Waldemar E. Anderson, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 1, 1940, Serial No. 321,634

4 Claims. (Cl. 250—27.5)



1. An electrical device comprising an envelope, an energy translation element in said envelope, metallic terminals hermetically sealed to said envelope for conducting electrical energy therethrough to said energy translation element and for supporting the latter, one of said terminals having an opening therein for exhausting said envelope with a portion of said opening being of slightly larger diameter to form a shoulder, and means positioned in the larger diameter portion of said opening and operable upon heating of said terminal during exhaust to engage said shoulder for sealing-off the opening in said terminal to form a vacuum-tight seal for said envelope.

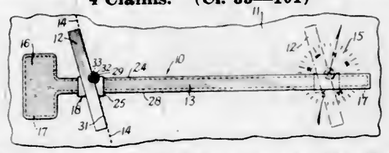
2,269,841

COURSE PROTRACTOR

Robert S. Blair, New York, N. Y.

Application October 29, 1937, Serial No. 171,632

4 Claims. (Cl. 33—101)



4. In a course protractor, in combination, a body member, a straight edge formed on said body member, a member adapted to slide along said body member, two projections formed on said sliding member abutting against said straight edge, resilient means on said sliding member contacting the opposite edge of said body member at a single point, said resilient means holding said projections in contact with said straight edge, whereby said sliding member is held in alignment with said straight edge, a cross member pivotally mounted on said sliding member and resilient means adapted to yieldingly hold said cross member in any desired position on said sliding member.

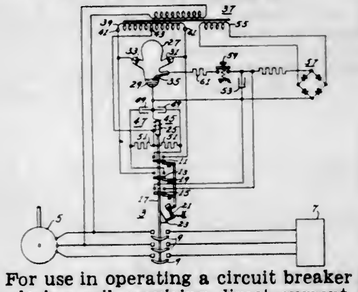
2,269,842

VAPOR ELECTRIC DEVICE

Myron J. Brown, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 5, 1939, Serial No. 271,897

14 Claims. (Cl. 175—375)



14. For use in operating a circuit breaker having a closing coil requiring direct current from an alternating current source having a plurality of terminal taps and an intermediate tap, the combination comprising an electric discharge device having a plurality of anodes, a cathode of the pool type, and an ignition electrode which dips into said cathode at a point such that the supply of current to it may ignite a discharge from any one of said anodes, connections between said anodes and said terminal taps, connections, including said closing coil, between said cathode and said intermediate tap, means, including a capacitor, means for charging said capacitor and means for discharging said capacitor through said ignition electrode for supplying current to said ignition electrode to render said paths conductive and means responsive to the actuation of said breaker by means of the resultant current conducted through said closing coil for rendering said paths non-conductive and preventing the recharging of said capacitor, said responsive means including capacitive means to be charged by the potential drop across said closing coil when said discharge device is conductive and means for connecting said capacitive means to said anodes in such manner as to extinguish said paths.

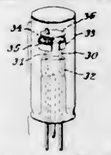
2,269,843

GLOW RELAY

Walter E. Carpenter, West Caldwell, and Daniel S. Gustin and Robert F. Hays, Jr., Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 1, 1940, Serial No. 338,358

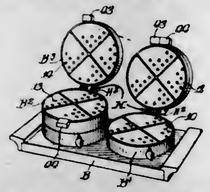
9 Claims. (Cl. 250—27.5)



1. A gaseous electric discharge device, com-

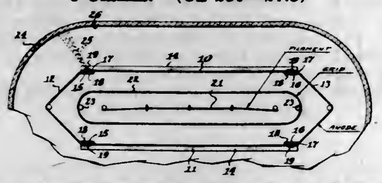
prising a container provided with an ionizable medium therein, electrodes disposed within said container, one of said electrodes being adapted to emit electrons and between which electrodes a discharge occurs upon the application of a potential thereto, one of said electrodes being a bimetallic element adapted to be heated by the ensuing discharge and engageable with the remaining electrode to short-circuit the discharge path and extinguish the discharge, said electrode adapted to emit electrons being coated with a metal having a work function between 3 and 4.

2,269,844
WAFFLE IRON HINGE
C. Wood Clemons, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application October 21, 1940, Serial No. 362,162
8 Claims. (Cl. 53—10)



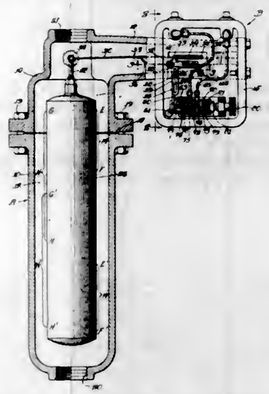
8. A hinge structure for waffle irons and the like having lower, intermediate and upper baking elements, said hinge structure comprising three hinge members connected to the respective baking elements, said hinge members being pivotally connected together, and coacting interlocking stop shoulder and cam means on each hinge member, said means including stop shoulders on two of the hinge members and cam means pivotally connected with the third hinge member to prevent said intermediate baking element from being opened relative to said lower baking element by engagement of said cam means against certain of said stop shoulders when said upper baking element is opened relative to said intermediate and lower baking elements and for preventing said upper baking element from being opened relative to said intermediate baking element when said intermediate and upper baking elements are opened relative to said lower baking element.

2,269,845
ANODE
Hampton J. Dailey, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1940, Serial No. 321,684
5 Claims. (Cl. 250—27.5)



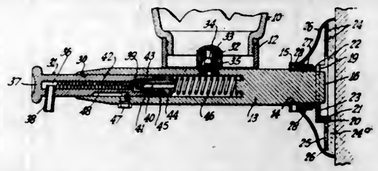
4. An anode comprising side pieces of tantalum and end pieces of sturdier material enclosing an electron discharge space, the end pieces of sturdier material having eyelets securing said tantalum side pieces thereto at the boundary of said discharge space and means covering said eyelets, comprising a strip secured in said eyelets intermediate said end piece and side piece and having a portion bent over said eyelet.

2,269,846
LIQUID LEVEL CONTROL
Raymond A. Engel, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application September 19, 1938, Serial No. 230,655
15 Claims. (Cl. 137—68)



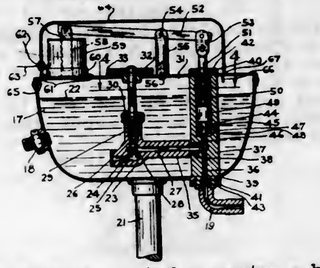
1. A liquid level control for a container comprising a body for the control having a portion thereof forming a liquid well, a liquid displacement member resiliently supported in the well, an arm attached to the member positionable in response to the position of the displacement member, linkage means cooperable with the arm comprising cooperable levers, one lever being in resilient contact with said arm and being resiliently held in contact with another of said levers and an adjustment of the point of contact between said levers for changing the movement of one with relation to movement of the other, a pilot valve device cooperable with said other lever, said lever being operable in response to movement of the displacement member to vary the adjustment of the valve device.

2,269,847
SUPPORT FOR SOAP DISPENSERS
Mac B. Feinson, Brooklyn, N. Y.
Application October 25, 1938, Serial No. 236,880
3 Claims. (Cl. 248—224)



3. A mechanism for attaching a soap dispenser comprising a stud, a plate adapted to be attached to the wall, a disengageable connection between said plate and said stud, a collar for concealing said plate and fitting over said stud and a nut screwed upon the exterior of said stud in position to engage said collar and force it against the wall over said plate.

2,269,848
CONTROL APPARATUS FOR OIL BURNERS
Kenneth French, Waterbury, Conn.
Application May 2, 1940, Serial No. 332,999
1 Claim. (Cl. 158—28)



In an oil burner control apparatus, a housing containing oil, said housing having an inlet for connection to a source of oil supply and an outlet for connection to an oil burner, a vertical valve chamber in said housing directly above and connected with said outlet, a main valve seat in said vertical valve chamber, a normally closed main valve for engaging said main valve seat, a side chamber connected to said vertical chamber below said main valve seat, said side chamber having a vertical upstanding section, a pilot valve seat in said side chamber, a pilot valve in said upstanding section for engaging said pilot valve seat, said vertical chamber having an inlet opening below the oil surface and above said main valve seat, said side chamber having an inlet opening below said pilot valve seat, said main valve having a stem extending above the top of said housing for connection to a thermostatically operated mechanism to automatically open said valve when high heat is called for, said pilot valve also having a stem extending above the top of said housing, and having a manually-operated control handle connected thereto.

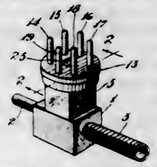
2,269,849
VALVE BAG
Willard E. Hahn, Wellsburg, W. Va., assignor to Arkell & Smiths, Canajoharie, N. Y., a corporation of New York
Application March 6, 1940, Serial No. 322,469
5 Claims. (Cl. 229—62.5)



1. A bag having walls comprising a plurality of layers of paper and having an end closure formed by folding upon each other flaps formed from said end of the bag walls, one of the underlying flaps having a flap cut in its outer ply having its free end directed outwardly to form a valve opening through which a filling nozzle may be inserted beneath the flap and between said ply and the underlying ply and into the interior of the bag, said underlying ply having an opening therein in which the end of said ply flap may be inserted to close the valve opening.

2,269,850
GAS ANALYSIS APPARATUS
William O. Hebler, Westfield, N. J.
Application November 21, 1939, Serial No. 305,446
5 Claims. (Cl. 73—51)

1. A gas analysis cell of the thermal conductivity type, comprising a block of insulating material having a tube passing therethrough, and a pair of apertures communicating with the tube, a second block having four cell chambers therein and positioned on the first block so that two of said chambers communicate with said apertures, said block of insulating material closing the other



two chambers, filaments mounted in said chambers, said filaments forming the branches of a Wheatstone bridge, a plug mounted on said second block and having a plurality of prongs connected to said filaments, and means to detachably connect said plug and the two blocks together.

2,269,851
SADIRON
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 21, 1941, Serial No. 375,313
4 Claims. (Cl. 38—90)



3. A sad iron having a pair of perforated ears extending upwardly therefrom adjacent the front and the rear thereof, a handle comprising a hand grip member and a handle bow, said handle bow having its ends pivoted to said ears to assume either a supine position on the sad iron or an upright position with respect thereto, and releasable means for locking said handle in its upstanding position comprising a leaf spring carried by said handle bow adjacent its forward end, a pin carried by said leaf spring and biased by the spring toward engagement with the front ear, said front ear having a latch perforation to receive said latch pin, and a knob on said spring in the form of a downwardly opening hook adapted to be engaged by a finger of the user's hand while holding said hand grip and upon being raised thereby to swing said spring and latch pin rearwardly to retracted position with respect to the perforation of said front ear.

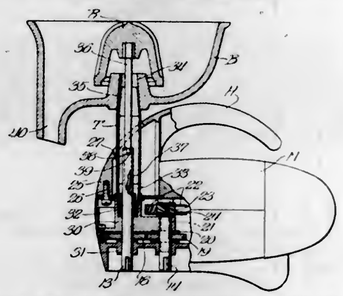
2,269,852
ANODE
Robert T. Hummel, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1939, Serial No. 276,637
7 Claims. (Cl. 250—27.5)



1. An anode comprising two sheets of approxi-

mately 4 mil tantalum and spacing members of a sturdier metal joined to said sheets, said sheets having folds with contacting inner faces said spacing members joined at an angle to said folds.

2,269,853
JUICER DRIVE MECHANISM
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 12, 1940, Serial No. 352,293
5 Claims. (Cl. 146—3)



1. In a juicer drive mechanism for food mixers, a mixer motor, a handle therefor, a pair of beater drive shafts geared to the shaft of said motor, a juicer bowl, a fruit reamer, and means for supporting said juicer bowl and fruit reamer on said motor comprising a removable sleeve having tapered ends, said handle having an opening therethrough for said sleeve, said mixer motor having a tapered socket surrounding one of said beater shafts, one of the tapered ends of said sleeve being received therein, said juicer bowl having a tapered socket receiving the other tapered end of said sleeve, and said fruit reamer having a shaft extending through said sleeve and cooperating with said one of said beater shafts to be driven thereby.

2,269,854
VENETIAN BLIND
Peter H. Kuyper, Pella, Iowa, assignor to Roiscreen Company, Pella, Iowa, a corporation of Iowa
Application June 30, 1941, Serial No. 400,448
18 Claims. (Cl. 156—17)



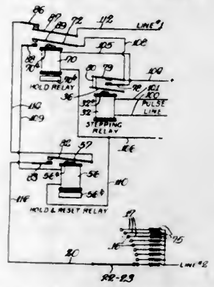
1. In a Venetian blind, a head casing, openings in the bottom thereof for the tapes of a tape ladder to extend upwardly into said casing, a shaft journaled between said openings, a rocker on said shaft, and means for connecting the tapes of a tape ladder thereto comprising a front bail and a rear bail, said front bail having one side connected to the front tape and its other side pivoted to said rocker back of the shaft when the rocker is in intermediate position, said rear bail having its rear side connected to the rear tape and its front side pivoted to said rocker in front of the shaft when the rocker is in intermediate position, said bails overlapping each other whereby when the rocker is tipped rearwardly the rear bail will pivot away from the rocker to permit excess movement of the rear tape and when the rocker is tipped forwardly the front bail will pivot away from the front tape to permit excess movement of the front tape.

2,269,855
METHOD OF MAKING PILE FABRICS
Louis P. Miller, Brooklyn, N. Y., assignor to Miller-Jonas Corporation, Walden, N. Y., a corporation of New York
Original application July 14, 1937, Serial No. 153,633. Divided and this application May 22, 1940, Serial No. 336,513
9 Claims. (Cl. 112—80)



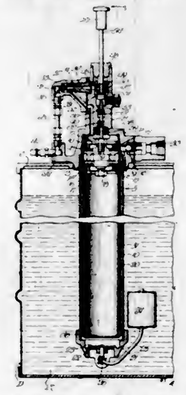
1. The method of making a pile fabric which comprises the steps of alternately inserting through a base fabric a needle carrying a pile yarn forming an outwardly extending loop on one surface of the fabric and engaging the legs of the loop on the reverse side of the fabric with a plasticisable binding filament and fusing the filament to the said engaged portion of the legs of the loop.

2,269,856
DIRECT CURRENT IMPULSE OPERATED SELECTOR SWITCH
Marvin G. Nelsen and Thedore Obszarny, Chicago, Ill., assignors to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 19, 1940, Serial No. 353,262
2 Claims. (Cl. 177—353)



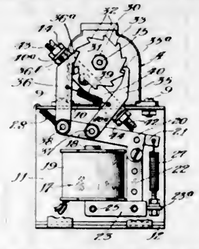
1. In a direct current operated selector switch, the combination of a plurality of contacts connected in separate branches of a main electrical circuit, a movable contact arm, means including ratcheting mechanism connected to said arm, and electro-magnetic means adapted to be intermittently energized by impulses of electric current for actuating said ratcheting mechanism for shifting said arm in step-by-step fashion into engagement with a predetermined contact for completing a portion of a preselected branch circuit, spring means tending to return said ratcheting means and contact arm to a starting position, switch means adapted to be connected in the main electrical circuit, direct current operated time delay electro-magnetic means for controlling the switch means, said time delay means being subject to control by said impulse operated magnetic means, for causing completion of said preselected branch circuit after the lapse of a timed interval, subsequent to engagement of the predetermined contact by said arm, a second direct current operated time delay electro-magnetic means, subject to control by said first time delay means, for controlling said switch means to cause opening of said branch circuit after the lapse of a timed interval, and means controlled by the last mentioned time delay electro-magnetic means while the latter is energized for holding said ratcheting means and contact arm in stepped positions of adjustment.

2,269,857
DISPENSER PUMP
Iver B. Nielsen, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application April 15, 1940, Serial No. 329,820
15 Claims. (Cl. 103—52)



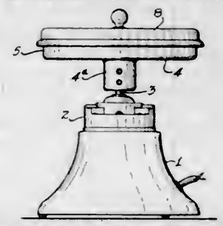
1. A fluid dispenser pump comprising a pump cylinder, a piston in said cylinder, one end of said cylinder constituting a fluid pressure space, means for alternately rarifying and compressing the fluid pressure in said fluid pressure space comprising an aspirator connected with said fluid pressure space for operation from a fluid pressure line, and means to divert the fluid pressure supplied to said aspirator into said fluid pressure space, said means being manually operable to one position and operable to its other position as a resultant of movement of said piston in one direction relative to said cylinder.

2,269,858
RATCHETING MECHANISM
Thedore Obszarny, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 21, 1940, Serial No. 362,103
5 Claims. (Cl. 74—143)



1. In a step-by-step ratcheting mechanism, the combination of a member to be controlled and rotated in step-by-step fashion, a toothed ratchet wheel fixedly connected to said member, a reciprocable driving member, and primary and secondary ratchet pawls pivotally connected to said driving member and having their operating ends positioned in operative relation to and adjacent opposite peripheral portions of said wheel, the operating ends of said pawls and the teeth of the ratchet wheel being formed so that during one direction of movement of the driving member the primary pawl moves the ratchet wheel through a portion of the angular range of a single tooth, and during the opposite direction of movement of said driving member, the secondary pawl moves the ratchet wheel through the balance of the angular range of said single tooth.

2,269,859
THERMOMETER MERCURY REDUCER
Charles P. Owen, Cleveland, Ohio
Application March 17, 1941, Serial No. 383,757
1 Claim. (Cl. 73—373)



In a thermometer shaker, the combination of a base, motive means housed within said base and having a vertically disposed operating shaft, a circular tray having means of readily detachable operative connection with said shaft so that said tray can be readily removed therefrom, said tray having an annular peripheral upstanding wall and having two parallel narrow trough-shaped compartments located within the diametrical region of said tray, said compartments each being of a length greater than the radius and less than the diameter of said tray and having their major inner end portions overlapping each other laterally and terminating substantially short of the said peripheral wall of said tray while their outer ends extend to and terminate at said peripheral wall of said tray, each compartment having a length corresponding approximately with that of a thermometer to be placed therewithin and having sufficient width and depth to house a plurality of thermometers, the radius of said tray corresponding approximately with the maximum height of the mercury within the thermometer, whereby rotation of said tray will, by virtue of centrifugal force, move the mercury along the tube of each thermometer.

2,269,860
THIMBLE SEAL FOR VACUUM TUBES
John H. Ramage, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1940, Serial No. 339,850
4 Claims. (Cl. 250—27.5)



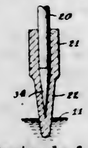
2. A seal for discharge devices comprising glass and copper sealed therein, said copper being heat treated to remove occluded gas therein and also being at least 98% pure and the remainder man-

ganese in sufficient amount to prevent grain growth in the copper as the result of said heat treatment.

2,269,861
IGNITRON STARTER

Robert F. Rennie, Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application April 19, 1939, Serial No. 268,661. Divided and this application March 29, 1940, Serial No. 326,582
6 Claims. (Cl. 250—27.5)

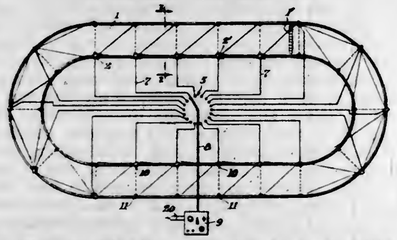


1. A make-alive electrode for mercury pool devices comprising a high resistance conductive material having a metal core throughout the major portion of the length of said high resistance material and with its end extending within the high resistance material to substantially coincide with the immersion level of the electrode in use.

2,269,862
REPRODUCTION AND RECORDING OF RACES

Harry A. Rose, Larchmont, N. Y., assignor of one-half to Crawford Hill, Newport, R. I.

Application August 1, 1941, Serial No. 405,023
24 Claims. (Cl. 178—6)



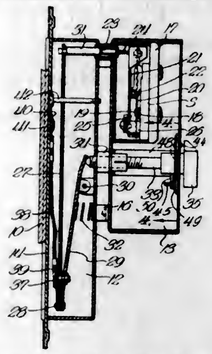
1. The combination of a track, a plurality of cameras at points around the track, and automatic means for selectively controlling the operation of said cameras by the movement of a racer in the respective fields thereof and including a unitary control member for all of said cameras, and beam controlled means at successive points around said track for operating said unitary control member in response to passage of said racer successively past each of said beam controlled means, said last-named means including means rendering each beam controlled means in turn inoperative for further action on said unitary control member after said racer has passed the respective beam controlled means.

2,269,863
SURFACE SWITCH

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application September 11, 1939, Serial No. 294,407
7 Claims. (Cl. 200—139)

1. In a surface switch, a thermal element casing, a switch casing mounted thereon, a switch in said switch casing, means for attaching said thermal element casing to a heating medium conduit, a thermal element in said thermal element casing, an operative connection from said thermal element through the adjacent walls of said casing to said switch and means for readily conducting heat from said heating medium conduit to said thermal element comprising a strand-

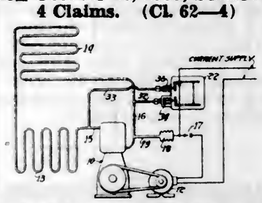


ed flexible metallic lead having one end secured in heat conducting relation to a movable part of said thermal element, having its other end secured in heat conducting relation to the wall of said thermal element casing which contacts with the heating medium conduit, and having its intermediate portion free of said thermal element and said thermal element casing.

2,269,864
SAFETY CONTROL

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application October 16, 1939, Serial No. 299,765
4 Claims. (Cl. 62—4)



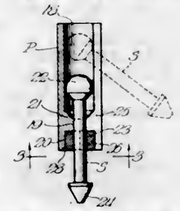
1. In a safety control, a switch housing, a switch therein, said switch being connected in the circuit of a refrigerant compressor motor, means responsive to the low side pressure of refrigerant in the refrigerant system and connected with said switch to effect closing thereof during normal low side pressure affecting said means, the connection between said means and said switch including a toggle spring and magnet and armature means to provide a substantially wide differential of operation of said switch in response to said means, lock means to retain said switch in open position upon assuming such position as a result of excessive low side pressure, said lock means being manually operable to non-retaining position to permit the switch to return to normal position, a second means responsive to the high side pressure of the refrigerant in the refrigerant system, toggle mechanism in said housing and connected with and positioned by said second means in inoperative position during normal pressure in the high side, said toggle mechanism being movable to an operative posi-

tion by said second means when the high side pressure becomes excessive, said toggle mechanism in said operative position engaging said switch to effect opening thereof and upon recession of the high side pressure to a predetermined point below the pressure at which it was operated to effect opening of said switch, moving to inoperative position to permit the switch to return to closed position and thereupon function in its normal control capacity.

2,269,865
SOLENOID VALVE

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application February 12, 1940, Serial No. 318,529
5 Claims. (Cl. 251—44)

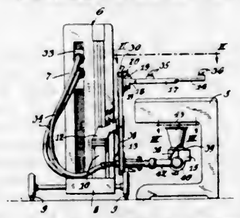


1. In a valve structure, a plunger, a one piece stem for said plunger having an integral enlarged head and a shank below said head, said plunger having a slot inwardly from one side thereof of sufficient width to receive said shank, said slot having the bottom thereof enlarged longitudinally of said plunger from the upper end thereof to a point spaced from the lower end thereof, the portion of said plunger below the lower end of said enlarged portion of said slot constituting a shoulder to engage said head and thereby lift said stem when said plunger is moved in one direction, and means to retain said shank with respect to said slot comprising a split bushing surrounding said shank below said shoulder, said plunger having an enlarged bore portion to receive said split bushing, said split bushing being countersunk therein and the material of the lower end of said plunger adjacent the periphery of said split bushing being deformed inwardly over the lower end thereof to retain it in its countersunk position in said bore portion.

2,269,866
FLUOROSCOPIC APPARATUS

Alfred Simon, Jackson Heights, N. Y., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application October 12, 1938, Serial No. 234,564. Divided and this application May 1, 1940, Serial No. 332,663
5 Claims. (Cl. 250—58)

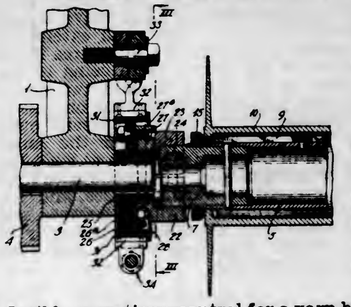


1. The combination with a patient supporting means, of a fluoroscopic unit comprising a standard, a support movable vertically of said standard, a member pivotally secured to said support and provided with a fluorescent screen at one end thereof and an X-ray tube unit at its other end comprising a housing for said X-ray tube having an X-ray pervious window therein and a set of fluoroscopic shutters interposed between the X-ray tube and said X-ray pervious window, a pair of shafts disposed in said housing and connected to said fluoroscopic shutters, electrically operable means connected to each shaft for rotating the same in either direction to cause the fluoroscopic shutters connected thereto to move toward or away from each other to vary the area through which X-rays are projected, and control buttons carried by said fluorescent screen for operating said electrically operable means.

2,269,867
YARN BEAM MOUNTING

Julius Sirmay, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York

Application August 2, 1940, Serial No. 349,581
7 Claims. (Cl. 242—124)



1. A flexible operations-control for a yarn beam comprising a member rotatable around the beam axis and subject to the desired control, a second member rotatable about the beam axis and fixed to the beam, a ring of flexible material around the axis of the beam, and means at spaced points affixing said ring to both said members.

2,269,868
SWIM CAP

Marigold Smith, Houston, Tex.

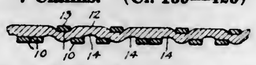
Application December 21, 1939, Serial No. 310,369
4 Claims. (Cl. 2—68)



1. A bathing cap comprising an elastic hood portion having its marginal edge adapted to closely fit the head of the wearer, an outwardly extending bead adjacent said edge forming an internal groove and extending entirely around the hood portion, and an absorbent material con-

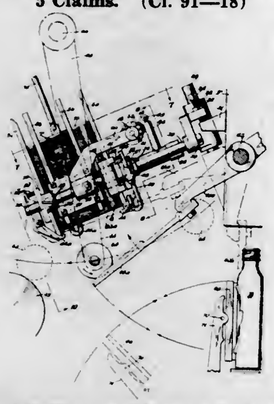
tinuous within said depression to engage the head of the wearer and absorb moisture initially passing beneath the marginal edge of the hood portion and thereafter form a seal whereby the entry of water to the hair of the wearer is prevented.

2,269,869
WOVEN WIRE BELT FOR PAPERMAKING MACHINES
Harry G. Specht, Montclair, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application July 31, 1940, Serial No. 348,814
7 Claims. (Cl. 139—425)



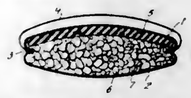
1. Woven wire fabric for paper making machines, comprising interwoven warp and shute wires with knuckles produced in both the warp and shute wires, the shute wires having spaced reed marks at their undersides, the warp wires being arranged in pairs and interwoven with the shute wires with each pair disposed between two adjacent reed marks of each of said shute wires and the warp wires being individually interwoven with the shute wires in twill weave arrangement in which the warp wires each extend over one and under a plurality of shute wires in the warp direction of the fabric, there being in the shute direction of the fabric at least two under shute warp wire portions and at least one mesh opening between transversely adjacent over-shute warp knuckles extending over the same shute wire, and in the warp direction at least two over-warp shute knuckles between longitudinally adjacent over-shute warp knuckles, and the shute wires being crimped upwardly between said over-shute warp wire knuckles substantially into the plane of the upper surface of said over-shute warp wire knuckles.

2,269,870
LABELING MECHANISM
Sidney T. Carter, New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application January 19, 1940, Serial No. 314,595
5 Claims. (Cl. 91—18)



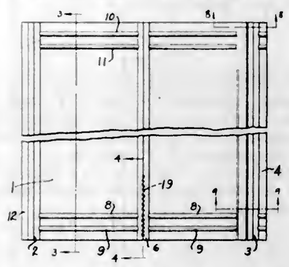
1. In a labeling machine, a chute adapted to hold a stack of labels, movable holding fingers associated with said chute and adapted to support the stack of labels at the bottom of said stack when said holding fingers are in operative position, said fingers being movable to an inoperative position in which they release the stack, a pair of pickers, means adapted to supply adhesive to the transfer faces of the pickers, said pickers being laterally movable towards each other and away from each other and being also movable in unison towards said chute and away from said chute, means adapted to move said pickers towards said chute to contact with the bottom label of the stack while the pickers are in predetermined lateral relation and then to move the pickers laterally away from each other while the pickers slidably contact with the bottom label of the stack and then to move the laterally separated pickers away from the chute with the bottom label of the stack adhering to said transfer faces, control means adapted to move said holding fingers to inoperative position when the pickers are moved laterally away from each other.

2,269,871
SOAP ARTICLE
Martin de Botelho, New York, N. Y.
Application October 30, 1940, Serial No. 363,502
5 Claims. (Cl. 15—122)



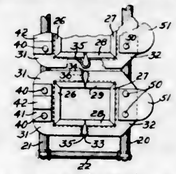
5. A bath mitt comprising a closed container of bath towel fabric, a relatively flat member of semi-stiff porous material within said container, granular soap filling the space between said member and the other face of said container, said soap having fine microscopic gas-filled pores therein providing a specific gravity substantially less than that of water, the specific gravity of the combined soap and mitt being less than that of water to cause the same to float thereon with said flat member uppermost and in a position to hold gas released from said soap.

2,269,872
METAL SHINGLE
George H. Gaston, Kerrville, Tex.
Application January 5, 1940, Serial No. 312,450
13 Claims. (Cl. 108—13)



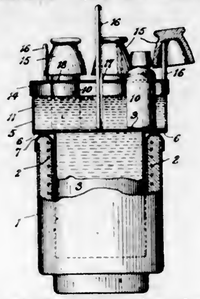
1. A plate for a wall or roof covering comprising a body formed of sheet material and having a longitudinal ridge at one edge, said body being longitudinally folded on the inner side of the ridge to form a channel which faces towards the ridge, the upper surface of the fold merging into a common plane with the upper surface of the plate at the upper portion of the plate and the lower surface of the fold merging into a common plane with the under surface of the plate at the lower portion of the plate.

2,269,873
REFRIGERATING APPARATUS
Robert H. Geiger, Dayton, Ohio
Application July 16, 1940, Serial No. 345,786
8 Claims. (Cl. 62—108.5)



5. A freezing compartment comprising a bottom; ends and sides; a plurality of extensions formed on said ends and sides and providing openings midway of said ends; and a plurality of semi-circular-tapered sections formed in said sides intermediate said ends and adjacent said openings, said sections extending from the bottom to positions near the top and increasing in diameter from the bottom to the top.

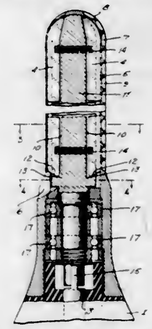
2,269,874
HEATING DEVICE
Chester J. Henschel, New York, N. Y.
Application September 5, 1940, Serial No. 355,429
2 Claims. (Cl. 126—261)



1. A device of the character described comprising, a cylindrical heating cup, a cylindrical water-holding receptacle having a lower part of a diameter enabling it to fit within the heating cup and an upper cylindrical part of larger diameter than the cup, the junction of the lower and upper parts of the receptacle forming an annular shoulder resting upon the upper edge of the cup and supporting the receptacle with its lower part disposed within and surrounded by the cup, a removable apertured disk located in the upper part of the receptacle and supported upon the internal face of the annular shoulder and comprising an apertured floor therefor through which water may rise to reach the interior of the upper part of the receptacle, a plurality of bottles supported on said apertured disk, said bottles having their tops extending above the top of the receptacle, a cover member extending over the top of the receptacle, said cover member being provided with a plurality of spaced openings through which the tops of the bottles protrude, said openings holding the bottles in spaced relationship on the disk.

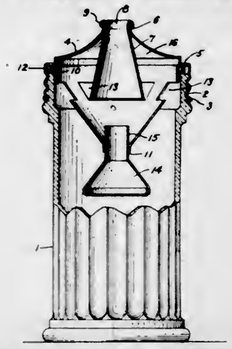
2,269,875
POWER DRIVEN RAZOR
Howard Huntington, Stratford, Conn.
Application May 10, 1938, Serial No. 206,969
3 Claims. (Cl. 30—43)

1. In a razor the combination of a handle, a perforated head attached thereto having a tubular section and an end section, a power shaft within the head having a longitudinal slot, and a blade conforming to said head carried by said shaft within said slot and radially slidable therein into contact with the tubular section of said



head, one end of said blade and the shaft at the corresponding end of said slot having complemental bevelled surfaces adapted under the influence of centrifugal force to cam the blade longitudinally into engagement with the end section of said head.

2,269,876
DISPENSER FOR GRANULAR SUBSTANCES
Joseph M. Jensen, Oakland, Calif., assignor to Andrew S. Vinzent, Oakland, Calif.
Application April 12, 1940, Serial No. 329,209
3 Claims. (Cl. 221—98)



1. A dispenser in the class described comprising a container having a cover with an inwardly extending delivery spout; a measuring chamber having a tubular neck directed toward said spout; and a partition having an opening adjacent said cover and flaring outwardly from below the outlet from said neck.

2,269,877
ELECTRIC CONDUCTOR
Gustave A. Johnson, Irvington, N. J.
Application April 9, 1940, Serial No. 328,601
9 Claims. (Cl. 174—120)

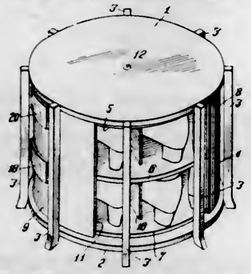
1. An article of manufacture comprising an insulated electric conductor the insulation of which is covered with a prewoven fabric tape extending continuously lengthwise of the conductor, the fabric tape being folded longitudinally about the conductor insulation, to bring its

opposed longitudinal edges together along the longitudinal axis of the conductor, thereby completely surrounding the insulated conductor, the



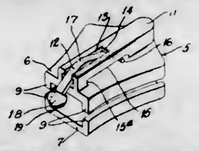
threads of the prewoven fabric tape extending diagonally of the longitudinal axis of the conductor.

2,269,878
CHAIR
Edward H. Kimball, Palo Alto, Calif.
Application October 28, 1939, Serial No. 301,721
1 Claim. (Cl. 312—157)



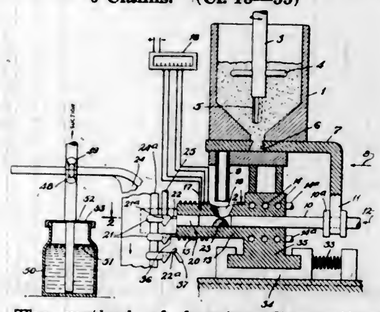
An article of furniture comprising a stationary frame and a rotatable storage chamber, said frame comprising a flat top, a bottom and legs joining said top and bottom, said storage chamber comprising a top and a shelf of similar size and configuration, said shelf being of sufficient size to receive two shoes end to end across its diameter, a partition extending across the shelf through its center but terminating short of the top of the chamber, two partitions at right angles to the first partition at each side of the center of the shelf and spaced apart sufficiently to receive a shoe lengthwise therebetween, walls joining said top and shelf and extending partially about the shelf on both sides of the center partition, a drawer positioned above said central partition adjacent the top of the chamber and means rotatably supporting said chamber within said frame.

2,269,879
PULL LOCK FOR SLIDERS
Davis Marinsky, Bronx, N. Y., assignor, by mesne assignments, of one-half to said Davis Marinsky and one-half to Louis H. Morin, Bronx, N. Y.
Application April 20, 1940, Serial No. 330,664
7 Claims. (Cl. 24—205.5)



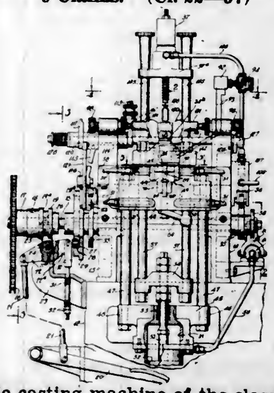
6. A slider for separable fasteners of the class described comprising a body having diverging channels at one end merging into a single channel at its other end, a pull having a pivot at one end thereof, a locking member at the other end and a bend intermediate said ends forming a pair of arms, elongated bearings extending lengthwise of the slider and slidably and pivotally engaging said pull, and a stop on said slide body extending transversely of the pull and adapted to engage one of said arms and force said locking member into line with one of said channels.

2,269,880
METHOD OF CASTING THERMOPLASTIC ELEMENTS
Louis H. Morin and Davis Marinsky, Bronx, N. Y.
Application March 18, 1937, Serial No. 131,606
6 Claims. (Cl. 18—55)



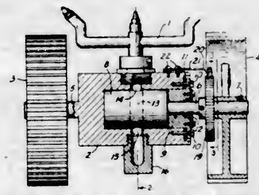
1. The method of forming die castings of thermoplastic material which comprises reciprocating a plunger in a cylinder to feed successive charges of material into a die cavity, separating a fixed quantity of said material from a supply thereof and placing it in a reservoir having an inlet and an outlet, then on the feed stroke of the plunger closing said inlet, and opening said outlet an amount determined by the extent of said feed stroke, discharging material through said outlet into said cylinder, and upon the return stroke of the plunger closing said outlet and opening said inlet and introducing material through said inlet into the reservoir from said supply.

2,269,881
DIE CASTING MACHINE
Louis H. Morin, Bronx, N. Y., assignor, by mesne assignments, of one-half to said Louis H. Morin and one-half to Davis Marinsky, Bronx, N. Y.
Application June 19, 1940, Serial No. 341,311
9 Claims. (Cl. 22—57)



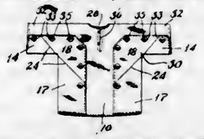
1. A die casting machine of the class described comprising a stationary block having a recess opening through one edge and one side thereof in which assembled dies are detachably and slidably arranged for insertion and removal through said side of the block, a movable gripper block arranged at said edge of the stationary block, automatically actuated means for moving the gripper block into engagement with assembled dies supported in said stationary block, means for pressure injecting heated casting material into the dies while firmly supported by said gripper block, and means partially ejecting the assembled dies with the casting therein through the open side of the stationary block upon releasing the gripper block from said dies to facilitate free removal of the dies from the machine.

2,269,882
FLUID DISPENSING APPARATUS
Hubert A. Pattison, White Plains, N. Y.
Application July 8, 1939, Serial No. 283,403
5 Claims. (Cl. 299—56)



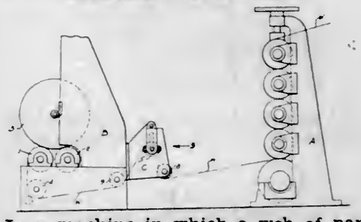
1. In a lawn sprinkler of the type connected to a fixed source of supply by a flexible conduit and movable from one location to another on the lawn, a sprinkler head, a body portion, a valve carried by the body portion for controlling the supply of fluid to the sprinkler head and located near the end of the conduit adjacent the sprinkler head, and means responsive to a predetermined movement of the portion of the conduit connected to said body portion for actuating said valve to control the fluid supply to the sprinkler head.

2,269,883
GARMENT
Rose Simon, New York, N. Y.
Application December 30, 1939, Serial No. 311,863
8 Claims. (Cl. 2—115)



1. In a garment, a foldable body including a medially arranged opening and having a front panel and a rear panel having wings projecting laterally beyond said front panel, sleeves extending laterally of said front and rear panels and comprising front and rear parts and said front parts defining with said front panel armpits, said body being separated to define upper and lower tapered sections, said upper sections depending from said rear parts of said sleeves and foldable upwardly over the front parts of the latter and said lower sections characterizing upper sloping portions on said wings adapted with the latter to be folded towards and over said front panel, said upper sections in their folded relation over said front parts of said sleeves and said lower sections in their folded relation over said front panel characterizing inclined edges disposed substantially in alinement and on a bias in respect to the vertical axis of said garment, and inserts having marginal edge portions inclined to said axis and secured to said edges and constituting means complementary to said sleeves and wings and defining armpits adapted to be disposed under said first mentioned armpits.

2,269,884
WEB SHIFTING MECHANISM
William M. Stocker, Hollis, N. Y., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application October 20, 1939, Serial No. 300,347
2 Claims. (Cl. 92—71)



1. In a machine in which a web of paper is traveling from one mechanism to a winder, means to effect periodic bodily reciprocation of said web in a direction at right angles to its direction of travel and in proportion to its speed of travel including: a freely rotatable roller mounted to bodily reciprocate lengthwise of its axis, around which roller the web is trained and by which it is rotated, means to train said web around said roller to thereby rotate the latter by frictional engagement and to cause said web to follow endwise reciprocation of the roller, and means, actuated by said roller upon rotation thereof, to effect lengthwise bodily reciprocation of said roller.

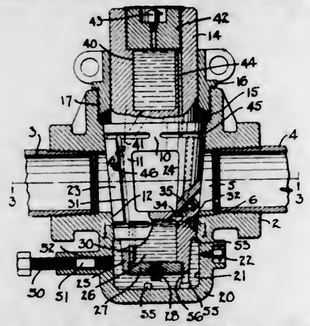
2,269,885
MANUFACTURE OF AZO PIGMENTS
Harry James Twitchett, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 24, 1940, Serial No. 362,687. In Great Britain November 3, 1939
5 Claims. (Cl. 260—193)

1. An azo composition produced by coupling diazotized 3-nitro-4-amino-toluene with aceto-acetanilide and aceto acet-p-chloro-anilide wherein the molecular proportion of coupled acetoacetanilide to coupled acetoacet-p-chloro-anilide is about 0.9 to 0.1, said composition being about the shade of the azo compound m-nitro-p-toluidine→acetoacetanilide but having greater tinctorial strength.

2,269,886
LUBRICATION SYSTEM FOR PLUG VALVES
Alexander S. Volpin, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex.
Application February 9, 1940, Serial No. 318,030
14 Claims. (Cl. 251—93)

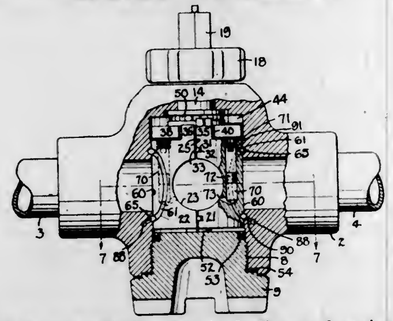
1. A lubricated plug valve of the character described comprising a housing, a valve plug therein, a passage through said plug, a lubricant distributing system for the plug at each side of the passage, each system including a reservoir in the plug, a distributing groove, a connection from the one face of the plug to the reservoir to lead the line pressure into the reservoir, and a connection from the reservoir to the distributing groove on

the opposite face of the plug so that the pressure on the high pressure side of the plug will force



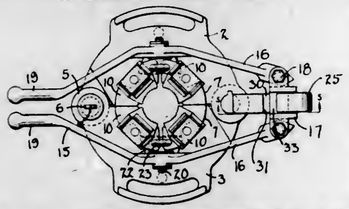
lubricant into the distributing groove on the low pressure side of the plug to maintain a seal.

2,269,887
LUBRICATED VALVE
Dudley C. Sharp, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex.
Application February 10, 1940, Serial No. 318,246
14 Claims. (Cl. 251—93)



1. A lubricated valve including a housing, a passage therethru, a valve chamber, a plug rotatable in said chamber, and means to lubricate and seal the contacting faces of said housing and plug including independent substantially semi-circularly grooved areas in each said housing and plug, said areas being arranged in separate complementary pairs to encircle the passage thru the housing when the valve is closed.

2,269,888
SPOOL TYPE TUBING SPIDER
Dudley C. Sharp, Houston, Tex., assignor to Mission Manufacturing Company, a corporation
Application June 13, 1939, Serial No. 278,815
10 Claims. (Cl. 24—263)



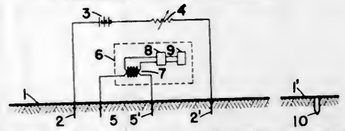
1. A slip assembly for supporting pipe including a plurality of arcuate members forming a support spider, a set of slips therein, means on said spider to raise and lower said slips, and means to movably connect said last means to said spider including an elongated slot to allow for lateral displacement of the slips when raised having an opening at the top intermediate its ends to insert and remove said first means.

2,269,889
PROCESS FOR LOCATING VALUABLE SUBTERRANEAN DEPOSITS
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 27, 1939, Serial No. 258,811
6 Claims. (Cl. 23—230)

1. A method of prospecting for petroleum deposits which comprises collecting samples of soil at spaced points along the surface over an area under investigation, and examining said samples for the determination of the presence therein of a product of the action of hydrocarbon-consuming bacteria on hydrocarbons.

2. A method of prospecting for petroleum deposits which comprises collecting samples of soil at spaced points along the surface over an area under investigation, and treating the samples with a chemical reagent which is capable of effecting a color change when applied to material containing hydrocarbon-consuming bacteria which has been subjected to the action of hydrocarbons.

2,269,890
SEISMIC-ELECTRIC PROSPECTING
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 30, 1939, Serial No. 297,248
7 Claims. (Cl. 181—0.5)



1. A method of seismic electric prospecting comprising the steps of passing an electric current through the ground using a plurality of separate potential pickup circuits to determine the potential of said current at various points of its passage through the earth, whereby variations in said current caused by a siesmic disturbance are detected by the potential pickup circuits and creating a seismic disturbance in ground influenced by said current.

2,269,891
INSECTICIDE AND FUNGICIDE
Charles Verne Bowen, Bethesda, Md., and Frederick E. Dearborn, Washington, D. C., assignors to Henry A. Wallace as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application July 2, 1940, Serial No. 343,561
2 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient copper benzoyl lacto-arsenite.

2. A fungicide containing as its essential active ingredient copper benzoyl lacto-arsenite.

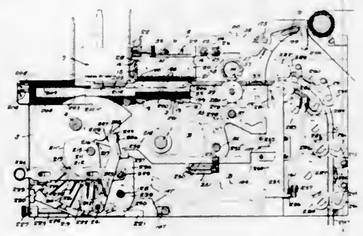
2,269,892
INSECTICIDE AND FUNGICIDE
Roscoe H. Carter, Washington, D. C., assignor to Henry A. Wallace as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application June 20, 1940, Serial No. 341,495
1 Claim. (Cl. 167—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A fungicide and insecticide containing as its essential active ingredient a heavy metal salt of the di-thiocarbamic acid of morpholine.

2,269,893
INSECTICIDE
Roscoe H. Carter, Washington, D. C., assignor to Henry A. Wallace as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application June 20, 1940, Serial No. 341,496
1 Claim. (Cl. 167—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

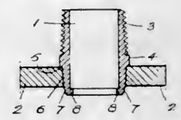
An insecticide containing as its essential active ingredient the morpholine salt of the di-thiocarbamic acid of morpholine.

2,269,894
TABULATING MACHINE
Oluf L. Cleven, Washington, D. C.
Application July 28, 1939, Serial No. 286,976
18 Claims. (Cl. 235—61.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



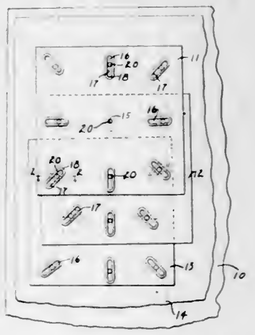
6. In a machine controlled by perforated records arranged in groups, a plurality of stationary sensing contacts, a plurality of movable sensing fingers, one for each column in the group number field, means for moving said fingers across said stationary contacts in the direction of the record columns to make contact with said stationary contacts through perforations in a record between said contacts and fingers, means for feeding records between said contacts and fingers and momentarily stopping the records in registry therewith, means controlled by said fingers and contacts for stopping and thereafter latching the movable sensing fingers in a position determined by perforations in the first record of a group, devices controlled by said contacts and latched sensing fingers for determining whether succeeding records of a group agree with said first record, and means controlled thereby upon disagreement in any succeeding record for controlling the operation of the machine.

2,269,895
PIPE JOINT
Arthur Sydney Foster, Stourport-on-Severn, and Geoffrey Murton Gill, London, England
Application July 5, 1939, Serial No. 282,928
1 Claim. (Cl. 285—56)



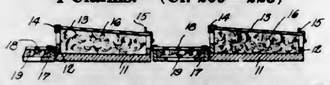
A fixture for connecting a branch pipe to a gas or water main comprising a cylindrical body provided with a screw thread at the end which will be outermost from the main whereby the fixture may be attached to the branch pipe, an annular ridge formed on the exterior of the body part between the screw-threaded part and the opposite end of the body part and providing a shoulder facing said opposite end and spaced therefrom, an externally plain part between the shoulder and said opposite end of the body part which is tapered toward said end, and an inwardly projecting bead formed on the inner wall of said plain part at the end thereof which will lie within the main, said fixture being adapted to be forced into a plain hole in a main until the shoulder bears on the outer surface of the main and to be secured to the main by expanding the beaded end of the fixture outwardly into engagement with the inner wall of the main by pressure applied to a tapered mandrel which is forced through the fixture toward the interior of the main.

2,269,896
SLOTTED MAP TEMPLET
Albert J. Kramer, Arlington, Va.
Application October 22, 1940, Serial No. 362,225
4 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 379 O. G. 757)



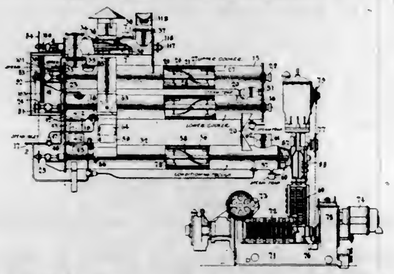
2. In a templet representative of a map area having radial slots therein defining the central angles of said map area, and conjoining posts adapted to be passed through said slots to adjustably connect said templet to adjoining templets of similar character, antifriction means having surfaces disposed between each post and its adjacent slot edges, said means having a total thickness greater than that of the templets and extending over the surfaces of the templet to contact similar means of said adjoining templets.

2,269,897
MAGNETIC SEPARATOR
Millward Dudley Thompson, Birmingham, England
Application February 20, 1939, Serial No. 257,511
In Great Britain February 25, 1938
4 Claims. (Cl. 209—223)



1. A magnetic separator for treating liquid or semi-liquid material comprising an inclined trough down which the material is adapted to be fed, magnetic bars arranged transversely in the bottom of said trough and spaced along the length thereof, metal boxes overlying said bars and disposed in the path of flow of said material, each of said boxes being provided with perforated upper and lower sides and with a perforated cover, and foraminous magnetizable filling in said boxes.

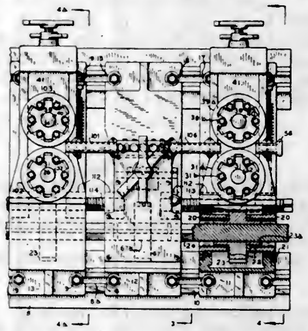
2,269,898
TREATMENT OF OLEAGINOUS MATERIAL
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application August 21, 1939, Serial No. 291,274
10 Claims. (Cl. 23—290.5)



2. Apparatus for continuously treating oleaginous material, comprising a jacketed chamber; means for heating said chamber to a predetermined temperature above the boiling point of water; an inlet for said chamber; means comprising a screw conveyer having a plurality of worm flights with interposed stop devices for compacting material to be heated and feeding it into said chamber while sealing said inlet against the escape of pressure from said chamber; combined agitating and conveying means for subjecting the material to back-and-forth movement at a rapid rate while feeding it through said chamber away from said inlet; a discharge opening in said chamber; and valve means associated with said opening and responsive to pressure in said chamber for maintaining predetermined pressure conditions in said chamber while discharging treated material therefrom.

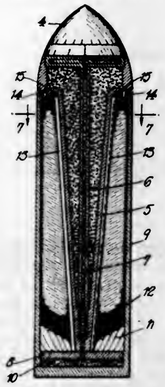
2,269,899
APPARATUS FOR FORGING AND FORMING BALLS
Fred Henry Gerhard Brandt, Kansas City, Mo.
Application October 16, 1939, Serial No. 299,689
In Canada October 18, 1938
3 Claims. (Cl. 80—27)

1. In a rolling mill apparatus having plural progressive pairs of rolls for rolling a rod into approximate ball shapes, having in combination an entrance pair of rotatable dies, said entrance pair of rotatable dies having a substantially parabolic rolling surface between them, an intermediate pair of rotatable dies, said intermediate pair of rotatable dies having plural substantially ball shaped rolling surfaces between them, said intermediate rotatable dies having link rolling surfaces connecting said ball rolling surfaces, a pair of separating rotatable dies, said separating



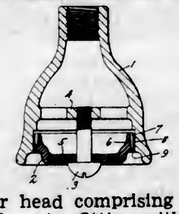
rotatable dies having plural substantially ball shaped rolling surfaces between them, said separating rotatable dies having shearing edges between each of said ball rolling surfaces, said shearing edges of one die passing the shearing edges of the opposite die for complete parting of balls, and said shearing edges with said ball surfaces converging to forge parted links of balls into the balls.

2,269,900
AERIAL MINE AND PROJECTILE
Erich Bickel, Zurich, Switzerland
Application October 2, 1937, Serial No. 166,921
In Switzerland March 18, 1937
1 Claim. (Cl. 102—29)



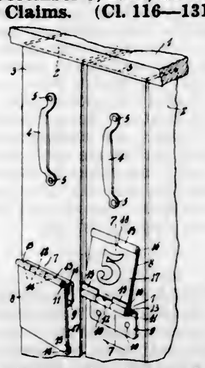
A projectile for an aerial mine including a mine, a gravity opposing support means folded around said mine, a long flexible suspension means interconnecting said mine and said support means and being closely wound in a plurality of concentric layers around and directly adjacent to said mine and forming a coil abutting said folded support means and having an inner end connected with said mine and an outer end connected with said support means, a projectile dismantling charge disposed at the rear end of said projectile, and a fuse located, with respect to the direction of flight of said projectile, forward and extending through the center of said mine into said dismantling charge.

2,269,901
SHOWER HEAD
Ralph E. Bletcher and Ernest H. Bucknell, Los Angeles, Calif.
Application October 1, 1937, Serial No. 166,806
6 Claims. (Cl. 299—59)



1. A shower head comprising an outer shell, a flexible rubber rim fitting within said shell at the periphery of the rim, and grooves in the periphery of the rubber rim and defining spray channels with the outer shell for directing sprays of water from within the shell.

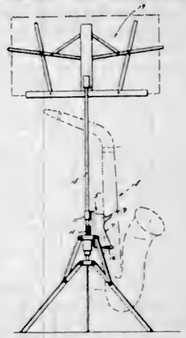
2,269,902
CABINET LABELING DEVICE
Charles C. Clark, Columbus, Ohio
Application December 9, 1940, Serial No. 369,166
10 Claims. (Cl. 116—131)



1. An indicating device for a cabinet comprising a part adapted to be fixed to a downwardly swinging door of the cabinet and a relatively movable part attached to the fixed part and is held normally in a predetermined position when the door is closed and is automatically moved out of normal position by gravity when the door is opened.

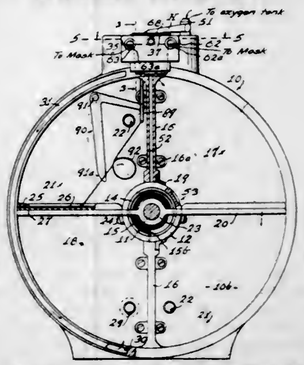
2,269,903
INSTRUMENT HOLDER FOR MUSIC STANDS
Ellis Elmo Cox, Leavenworth, Kans.
Application June 2, 1941, Serial No. 396,325
3 Claims. (Cl. 248—121)

1. An instrument holder attachable to a music stand or analogous device comprising a body member provided adjacent one end thereof with a pair of aligned, longitudinally spaced, split sleeves adapted to accommodate between the confronting ends thereof the upright of the music holder and to embrace said upright incidental to a rotative movement of the holder, bodily, vertically, and in a clockwise direction; said body at the edge thereof remote from said sleeves being provided adjacent the upper end thereof with an outstanding suspension hook and adjacent the



lower end thereof with a laterally extending rest against which the instrument abuts when suspended on the holder from said hook.

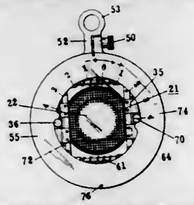
2,269,904
RESUSCITATOR-ASPIRATOR-INSUFFLATOR
Clarence N. Erickson, Glendale, Calif.
Application November 21, 1939, Serial No. 305,468
16 Claims. (Cl. 128—29)



1. In a device of the class described, a housing providing respectively a suction cylinder or chamber, a pressure cylinder or chamber, a diaphragm chamber, and a pressure valve chamber; said pressure valve chamber in continuous communication with said pressure chamber, pistons, one for and reciprocable in each cylinder and interconnected to respectively accomplish a power stroke for said pressure cylinder and a suction stroke for said suction cylinder simultaneously and a discharge stroke for said suction cylinder and an exhaust stroke for said pressure cylinder simultaneously, a control valve, a port leading from said suction chamber to said control valve, a suction valve port leading from said control valve into said diaphragm chamber, a suction valve at said suction valve port, a suction hose connection or port leading to said control valve, an exhalation port leading from said diaphragm chamber to said control valve, gas supply means including a supply port leading into said valve chamber, an exhaust port leading from said valve chamber to said control valve, a pressure-indicating port leading from said control valve to said diaphragm chamber, a pressure hose fitting having a port leading to said control valve, a pres-

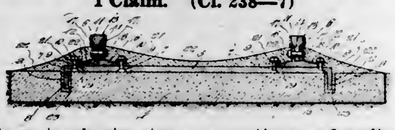
sure responsive diaphragm in said diaphragm chamber connected to move said suction valve to close said suction valve port and to simultaneously move said pressure valve to close said supply port and to open said exhaust port when a predetermined suction pressure is attained in said diaphragm chamber by said suction piston, said diaphragm further acting to move said suction valve to open said suction port and to move said pressure valve to close said exhaust port and to open said supply port when a predetermined super-atmospheric pressure is attained in the diaphragm chamber, said control valve normally connecting said first named port with the second named port and the third named port with said fourth named port, and further connecting said sixth named port with the seventh named and eighth named ports respectively, whereby gas is first supplied to said pressure chamber to move said pistons to cause said suction piston to draw from said suction hose connection, and power storing means to said pistons operating to move said suction piston thru an exhaust stroke while moving said pressure piston associated with discharge gas to said pressure hose connection.

2,269,905
OPTICAL INSTRUMENT
Robert K. Graham, Lansing, Mich.
Application July 7, 1938, Serial No. 217,885
9 Claims. (Cl. 88—57)



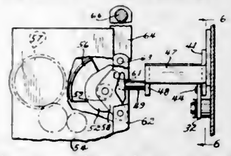
8. An adjustable lens, comprising: a chamber including opposed walls formed of transparent material, one of said walls being flexible and one edge thereof being adjustably movable toward and away from the opposite edge thereof to effect flexure of said wall into the form of a segment of a cylinder adjustable within a range of desired curvatures, said flexible wall progressively decreasing in width and resistance to such curving flexure from its center toward each of its said opposite edges whereby substantially geometrical cylindricity of said segment is inherently realized through the recited simple adjustable spacing movements of its said opposite edges, and a body of light-refractive fluid disposed between said walls and constituting the adjustable lens element of the structure.

2,269,906
RAILROAD TIE
Berardino Gizzi, Wilmerding, Pa.
Application November 26, 1940, Serial No. 367,272
1 Claim. (Cl. 238—7)



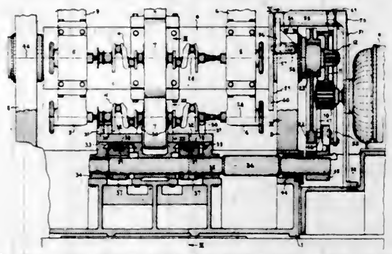
In a track structure, a continuous longitudinally extending concrete foundation of a width corresponding to the width of the track and formed with pockets opening through its upper face and located adjacent opposite side edges of the foundation in spaced relation to each other longitudinally of the foundation, metal ties extending transversely across the foundation and resting flat against the upper surface of the foundation, said ties having wide end portions constituting rail chairs and bent downwardly at their ends to form depending flanges engaged in the pockets, the pockets being of appreciably greater depth and greater length and width than the flanges to provide space in the pockets about and under the flanges adapted to be filled with concrete for securing the flanges in the pockets and firmly holding the ties in place on the foundation.

2,269,907
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application May 3, 1939, Serial No. 271,535
3 Claims. (Cl. 235—54)



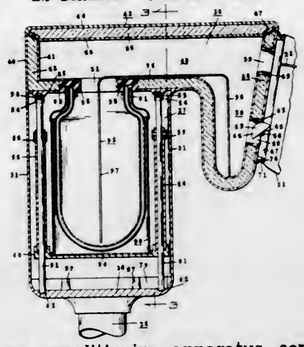
1. In a voting machine having indicators for affirmative and negative balloting on special propositions, a device for registering the number of voters casting ballots on such propositions comprising a counter mechanism, a bar linked with and movable to set said mechanism for registering and means for operating the counter mechanism when so set, means for operatively engaging each of said indicators with said bar, any one of said indicators being operable to move said bar and render the engaging means of the other indicators ineffective with respect thereto, and spring means operable to move said bar to inoperative position and said mechanism to non-setting position when all of said indicators are returned to non-voting position.

2,269,908
MULTIPLE SPINDLE INDEXING CRANKSHAFT LATHE
William F. Groene and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 31, 1941, Serial No. 376,878
7 Claims. (Cl. 29—38)



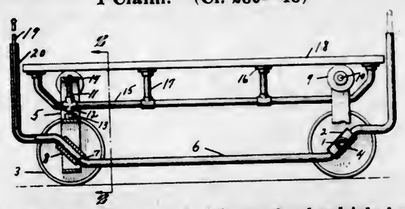
1. In a machine tool, an indexing work carrier, a work spindle on said carrier, indexing means for moving said carrier to present said work spindle to a work station of said machine tool, cutting tools at said work station, means independent of said indexing means for feeding said cutting tools to said work spindle when at said work station, and means on said indexing work carrier for controlling the return motion of said tools from said work spindle independent of said feeding means for said cutting tools to delay the return motion of said tools until after said indexing work spindle carrier has partially moved said work spindle away from said work station.

2,269,909
REFRIGERATING APPARATUS
Frank W. Hartman, Detroit, Mich., assignor to Henry Ford Hospital, Detroit, Mich., a corporation of Michigan
Application May 2, 1939, Serial No. 271,369
12 Claims. (Cl. 62—140)



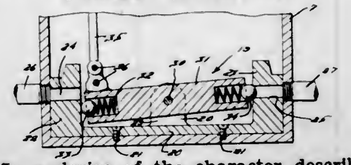
12. A gas conditioning apparatus, comprising in combination, means forming a chamber in which respiration is carried on; a vessel containing a volatile liquid disposed outside of said chamber, the boiling point of the liquid being below the condensaton temperature of a gas forming a constituent of the gases of respiration, said chamber and vessel having openings registering with one another; and heat conducting means in heat exchange relation with gas in the chamber and with the liquid in the vessel.

2,269,910
STEERING CONTROL SYSTEM FOR MANUALLY OPERATED FOUR WHEEL VEHICLES
John C. Naab, Pendleton, Oreg., assignor of one-half to August Naab, Indianapolis, Ind.
Application March 18, 1939, Serial No. 262,657
1 Claim. (Cl. 280—48)



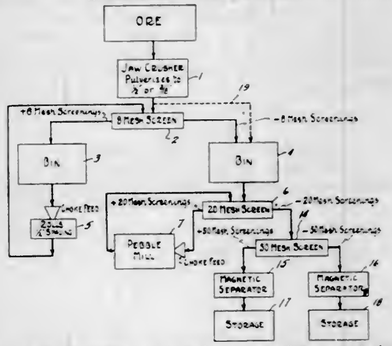
In a manually operated four wheel vehicle having a transverse swinging supporting axle structure for steering the vehicle; a centrally positioned, generally longitudinally extending rotative, hand controlled steering member having an angularly extending section intersecting such swinging transverse supporting axle structure normally at right angles thereto; a bearing member movably incorporated in the said transverse swinging axle structure for rotatably engaging the said angularly extending section of the intersecting longitudinal steering control member; said rotatively free, transversely mounted. thus intersected bearing member being so related thereto, and so co-acting thus therewith that right or left rotative movement of the said intersecting longitudinal steering control member imparts a resulting controlled swinging movement to the intersected transverse supporting axle structure for steering the vehicle in like directions.

2,269,911
VEHICLE VIBRATING JACK
Grant Jacobs, Des Moines, Iowa
Application January 30, 1941, Serial No. 376,683
3 Claims. (Cl. 121—164)



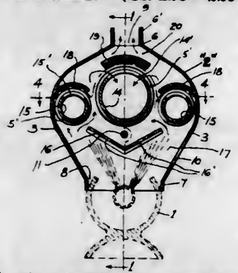
1. In a device of the character described, a jack embodying a cylinder, a piston movable in the cylinder, means within the cylinder for controlling the admission and exhaust of fluid below the piston, and said means embodying a valve assembly having a fluid intake port and a fluid exhaust port, a rocker arm pivotally mounted between said ports and equipped at one end with a spring-pressed valve controlling the intake port, and at a relatively opposite end with a spring-pressed valve controlling the exhaust port, and an operating connection between said piston and said rocker arm for transmitting movement of the piston to the rocker arm for controlling the intake and exhaust of the fluid.

2,269,912
METHOD OF TREATING ORES
Raymond B. Ladoo, Newton, Mass., and William G. Hubler, Duparquet, Quebec, Canada
Application January 4, 1939, Serial No. 249,330
2 Claims. (Cl. 83—94)



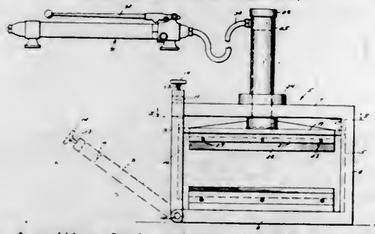
1. The process of treating syenites containing iron bearing impurities, which comprises reducing the syenite ore with a crusher, removing the smaller particles of the resulting material with a screen, choke feeding the larger particles between rolls until they will pass through said screen, removing the larger particles of the screen under-size with another screen and feeding these larger particles through a pebble mill having syenite ore as a grinding medium and a non-ferrous lining until they will pass through the second screen, and magnetically separating the iron bearing impurities from said ore.

2,269,913
CURLING IRON HEATER
Al H. Merrow, Denver, Colo.
Application March 4, 1941, Serial No. 381,731
4 Claims. (Cl. 126—229)



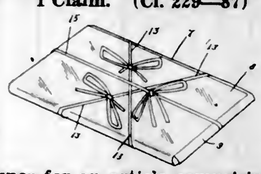
4. A hot air circulator, comprising an elongated hollow casing having a relatively wide bottom hot air inlet opening and a relatively narrow top hot air outlet opening, the openings extending lengthwise of the casing, a plurality of tubes extending longitudinally through the casing and each opening at one end only through an end wall of the casing, said tubes being disposed in a common horizontal plane, a relatively wide baffle plate extending lengthwise of the casing beneath said plane and having two portions extending upwardly and outwardly from the vertical center of the casing and terminating at their outer edges in spaced relation with the side walls of the casing, an upper baffle extending lengthwise through the casing above said plane and directly beneath the outlet opening and having its longitudinal edges in spaced relation with the walls of the casing, one of said tubes being between said baffles and a pair of intermediate hot air deflectors extending lengthwise through the casing at each side thereof and above a tube and secured along one longitudinal edge to the adjacent side wall of the casing, said intermediate deflectors being curved transversely to reverse the direction of flow of heated air rising from the longitudinal edges of the first baffle to circulate such air around the underlying tube and directed toward the center of the casing and around a central tube, each of said tubes having a longitudinally extending opening through the top side thereof.

2,269,914
METAL SHEARING DEVICE
Daniel J. Parker, Flagstaff, Ariz.
Application March 6, 1941, Serial No. 382,061
2 Claims. (Cl. 164—56)



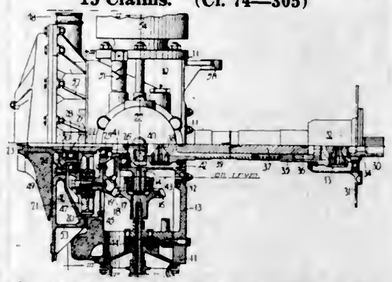
1. A cutting device of the class described comprising a base member, a stationary knife on said base member, a top member, a vertically arranged end member connecting one end of the base member to one end of the top member and said end member having a longitudinally extending guide groove on its inner edge, a second end member pivotally connected at its lower end to the opposite end of the base member, means for detachably connecting the upper end of the second end member to the opposite end of the top member, said second end member having a longitudinally extending guide groove in its inner edge, a knife carrying member having its ends entering said grooves, a plunger connected with the knife carrying member and passing through a hole in the top member, an upright cylinder carried by the top member and receiving the plunger and means for introducing fluid under pressure into the top of the cylinder to force the plunger and the knife carrying member downwardly.

2,269,915
FOLDER
Hester L. Porter, Missoula, Mont.
Application September 20, 1940, Serial No. 357,639
1 Claim. (Cl. 229—87)



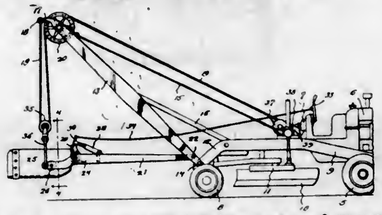
A wrapper for an article comprising a flexible sheet of material cut to form a rectangular body, a pair of end flaps and a pair of side flaps, a stiffening member of substantially the same size as the body and placed on said body, said stiffening member and the body having pairs of slits therein which extend longitudinally of the body and stiffening member with one slit of a pair placed to one side of the longitudinal center of the parts and the other slit to the other side of said center, said body and stiffening member having a pair of transverse slits therein placed between the ends of the stiffening member and body and the pairs of slits, tie elements threaded through the pairs of slits and forming loops where they pass from one slit of a pair to the other slit of the pair and another tie element passing between the loops and the stiffening member and through the transverse slits.

2,269,916
AIRCRAFT ACCESSORY DRIVE
Nathan C. Price, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application June 29, 1940, Serial No. 343,273
15 Claims. (Cl. 74—305)



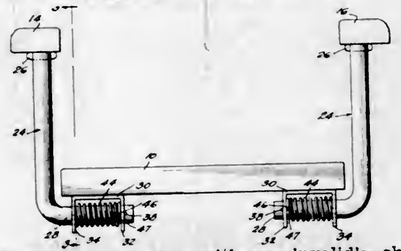
1. An accessory drive mechanism of the type described comprising a gear case having a plurality of accessory mounting locations radially disposed in a plane traverse to the axis of the case, driving means axially mounted in said case including a planetary step-up drive and bevel gears associated therewith, bevel pinions driven from said bevel gears, and mounting means for said bevel pinions adapted to align the said pinions with the accessory mounting locations on said gear case.

2,269,917
LOADING ATTACHMENT FOR ROAD SCRAPERS
Nicklos Repplinger, Baker, Mont.
Application May 1, 1941, Serial No. 391,390
1 Claim. (Cl. 214—140)



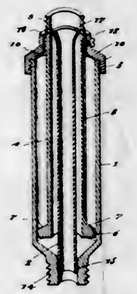
In a loader, a boom having one end mounted on the forward ends of a vehicle and extending upwardly and forwardly from said vehicle and including spaced members converging toward the forward end of the boom and braces connecting said members to each other and to the vehicle, a curved horn connecting the members at the forward end of the boom and having an eye, a pulley journaled in the horn, a hoisting element trained over the pulley and connected to the eye, a swinging frame pivoted at one end to the boom and including spaced arms, a scoop operating between said arms and pivoted thereto for assuming dumping position and load-carrying position, a latch member supported by the frame to releasably secure the scoop in load-carrying position, and a bail connected to the hoisting element and pivoted to the arms of the frame adjacent the pivots of the scoop on said arms.

2,269,918
ARMREST FOR INVALIDS' CHAIRS
George A. Sill, Elgin, Ill.
Application November 8, 1940, Serial No. 364,877
8 Claims. (Cl. 155—198)



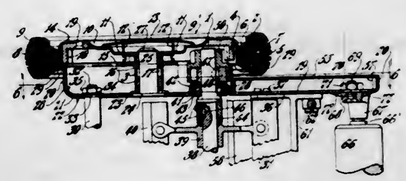
6. The combination with an invalid's chair having a wheeled support, a seat and a back rest, of arm supports on both sides of said seat, said arm supports including arm rest portions, a tubular post member connected to each of said arm rest portions, said post member extending downwardly and at right angles under the seat, a U-shaped bracket secured to the bottom of the seat on both sides thereof to receive the ends of said post members and co-operating members on said post members and said brackets for locking said post members in an operative or an inoperative position.

2,269,919
LAWN SPRINKLER BODY
Harry A. Scherrer, San Diego, Calif.
Application March 6, 1940, Serial No. 322,493
4 Claims. (Cl. 299—61)



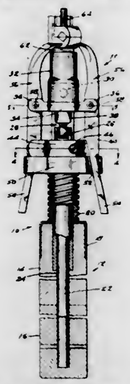
1. An automatic self-cleaning sprinkler comprising a hollow body, a hollow plunger member slidably mounted for longitudinal movement within the hollow body, an overflow tube carried by the body and extending longitudinally of the hollow plunger member, closure means for the outer end of the body arranged in spaced relation around the hollow plunger member for providing a flushing opening, the hollow plunger member being slidably mounted through the closure member, the plunger member having a flange at one end working within the body and adapted to force water from the body out through the flushing opening in the closure member as the plunger member moves in one direction and also adapted to force water out through the flushing opening in the closure member as the plunger member slides in an opposite direction within the body through the medium of displacing the water within the body.

2,269,920
LAWN MOWER
Blake A. Seaver, Springfield, Mass., assignor to Blair Manufacturing Company, Springfield, Mass., a corporation of Massachusetts
Application September 7, 1940, Serial No. 355,747
2 Claims. (Cl. 56—249)



1. A side frame for lawn mowers comprising a stamped, outwardly flanged member having a flat, smooth inner surface, a wheel stud secured on said member and projecting outwardly therefrom, a stamped metal, flanged guard ring secured on the outer surface of said member in coaxial relation with said stud, and a plate secured in said member flush with the edge of the flange of said member and abutting said guard ring, whereby said side frame outside of said guard ring is provided with smooth, flat inner and outer surfaces, substantially as described.

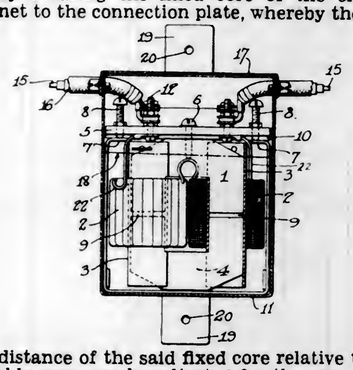
2,269,921
ENERGIZED LINE TOOL
Charles A. Smith, Huntington Beach, Calif.
Application March 22, 1939, Serial No. 263,430
2 Claims. (Cl. 81—53)



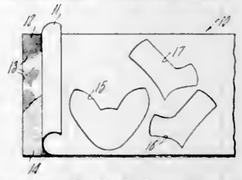
1. In a device of the class described adapted to be applied axially of the greater length of an object to be moved, in combination, a hollow staff of dielectric material having a threaded tubular extension secured thereto in end alignment, a rotatable rod partially encased within said staff and having a hand grip end portion of dielectric material in end alignment with said staff, a wrench-head, a joint connecting said wrench-head and an unencased portion of said rod, a yoke swivelly mounted on said rod and adapted to rotatably receive said joint, a cross-head in threaded engagement with said tubular extension and adapted to move axially thereof upon rotation of the said extension, clamping jaws, said clamping jaws being fulcrumed in said yoke and having dependent outwardly flared extensions relatively movable within openings formed in said cross-head whereby upon movement of the said cross-head said extensions are swung inwardly and outwardly to effect opening and closing of said jaws upon a fixed object whereby the same is non-rotatable pending movement of said second mentioned hand grip and said wrench-head to rotate said object to be moved.

2,269,922
POWER LIMITER
John West Thompson and Virgil Ellsworth Metcalfe, Puebla, Mexico
Application July 1, 1939, Serial No. 282,564
In Mexico July 12, 1938
1 Claim. (Cl. 171—242)

In a current and power limiter device of multiple lighting systems, the combination of an electro-magnet having a fixed core and a movable core, the ends of the respective cores normally having an air gap spacing them apart, a casing of insulation material, coils of wire wound over said casing and connected in series, a metal case in which the aforesaid electro-magnet is mounted, insulating liquid extending substantially to the top of the fixed core of said magnet to function as a shock absorber to prevent too rapid closing of the magnetic circuit, and a stirrup seated in the limiter case, a connection plate mounted above the stirrup, adjusting screws mounted in the connection plate and bearing against the stirrup to permit of adjustment of the connection plate, and means for rigidly securing the fixed core of the electro-magnet to the connection plate, whereby the normal distance of the said fixed core relative to the movable core may be adjusted for the purpose of calibrating the device.



2,269,923
STRETCHABLE LEATHER
Alfred Vamos, Brooklyn, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 14, 1938, Serial No. 234,863
2 Claims. (Cl. 154—48)

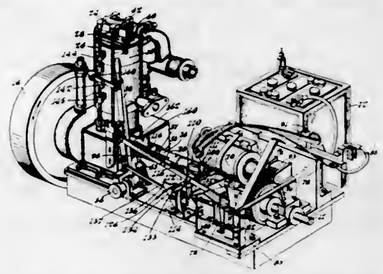


1. A leather faced plied sheet material not appreciably over 3/64 of an inch thick and having sufficient elastic properties to stretch and contract repeatedly at least 10% without causing the leather to show any change in appearance readily observable to the unaided eye throughout this stretch range; comprising a firm durable sheet of good quality, non-oil tanned, upper leather at least 1/64 of an inch thick that will not readily scuff or split and having a smooth, flat, unwrinkled surface, and provided with an elastic backing sheet adhesively secured thereto so that both sheets are free from tension when the plied material is relaxed, the backing sheet having a greater range of stretch than the leather and comprising a fine closely woven fabric employing elastic yarn less than .02 of an inch in diameter in its construction.

2,269,924
INTERNAL COMBUSTION ENGINE
Erastus E. Winkley, Lynn, Mass.
Application August 30, 1940, Serial No. 354,874
18 Claims. (Cl. 123—41)

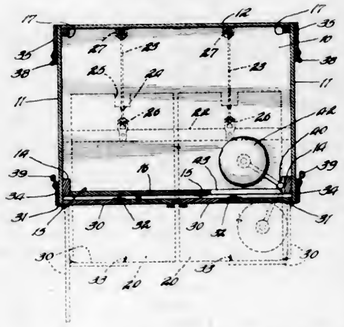
1. In an engine having a crank shaft, an intake valve, an exhaust valve, a cam shaft and rods to operate the valves, and an ignition circuit, in association with an electric reversible starting motor and starting means therefor, the combination of a single manual controller member and connections from said member to said cam shaft to shift the latter endwise selectively in accordance with clockwise or counter-clockwise rotation of the shaft, other connections

from said controller member to adjust the ignition to the direction of rotation of said cam shaft, and still other connections between said controller member and said starting means to



start the motor selectively to drive the cam shaft in either of said directions, said controller member having a neutral position in which the ignition is interrupted whereby the engine comes to rest.

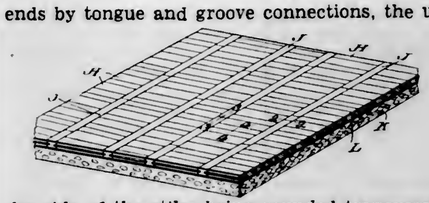
2,269,925
VENDING BOOTH
Albert Wnetrzak, Cicero, Ill., assignor of two-fifths to Anthony F. Krasniewski, Cicero, Ill.
Application June 17, 1940, Serial No. 340,950
6 Claims. (Cl. 20—2)



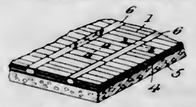
1. In a structure, including a floor and at least three vertical walls extending therefrom to form a main housing, a platform disposed adjacent said floor and adapted to be shifted into an operative or inoperative position, and a folding door in pivotal relation with one of said vertical walls of said main housing, the panels of said folding door being adapted to assume substantially parallel contacting positions with respect to two adjacent angularly related edges of said platform when the same is in an extended operative position to form in co-operation therewith a supplementary housing.

2,269,926
COMPOSITE BOARD FLOORING
Kenneth E. Crooks, Williamsport, Pa.
Original application January 6, 1939, Serial No. 249,647. Divided and this application June 23, 1939, Serial No. 280,878
7 Claims. (Cl. 20—7)

1. A composite floor formed of flooring units arranged in mastic on a subfloor in rows between sectional stiles and connected thereto at their ends by tongue and groove connections, the under side of the stiles being rounded transversely to allow said stiles to rock on the subfloor.

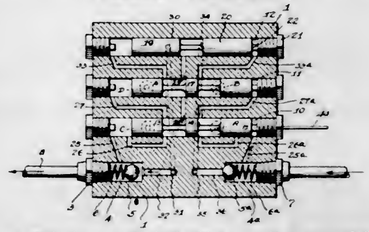


2,269,927
COMPOSITE FLOOR AND FLOOR UNIT FOR FORMING THE SAME
Kenneth E. Crooks, Williamsport, Pa.
Application July 27, 1939, Serial No. 286,909
1 Claim. (Cl. 20—7)



A composite floor comprising, in combination, a subfloor, a layer of adhesive mastic arranged on said subfloor and adhering thereto, a plurality of sectional wooden stiles and a plurality of wooden floor boards of undetermined promiscuous widths having saw kerf side edges arranged on said layer of mastic and adhering thereto, the stiles being arranged on the subfloor with their abutting ends in engagement with one another to form guideways, the floor boards of undetermined promiscuous widths being arranged on the subfloor in rows between the stiles with their saw kerf side edges in contact with one another and interlocked at their ends to the stiles by tongue and groove sliding connections to permit each board to move independently in respect to one another longitudinally in two directions in the guideway formed by the stiles as said boards expand and contract and to allow the saw kerf edges to yield as said boards expand.

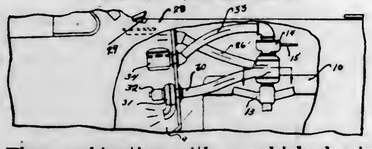
2,269,928
LUBRICATING SYSTEM
Carl E. Dirkes, Detroit, Mich.
Application June 12, 1939, Serial No. 278,651
4 Claims. (Cl. 184—7)



1. A lubricant distributing unit comprising a body adapted to be disposed in a lubricant conduit line in which lubricant is to be supplied under pressure alternately in opposite directions, chambers, termed first and second chambers, to which the conduit line is connected, a line passage connecting into each chamber, a check valve in each chamber for closing each line passage against lubricant flow in one direction, a plurality of cylinders, piston means in each cylinder, a passageway extending from each cham-

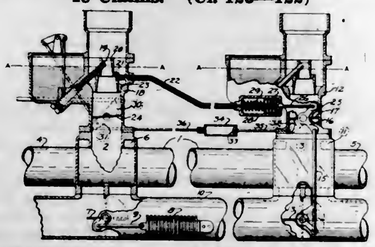
ber with the passageways connecting to opposite ends of the first cylinder, whereby lubricant supplied under pressure in the first chamber shifts the piston in the first cylinder, passageways connecting successive cylinders and each opened by movement of the piston in one cylinder for the transmission of lubricant under pressure to another cylinder to move the piston in said latter cylinder, whereby the pistons shift in sequence, outlet ports in some of the cylinders, other passageways connecting successive cylinders for the discharge of a quantity of lubricant in advance of the pistons as they shift through some of said outlet ports, and a line port in the cylinder whose piston moves last in the sequence arranged to be opened by the piston therein and connected into the line passage leading to the second chamber for the flow of lubricant through the unit subsequently to the shift of all of said pistons.

2,269,929
COOLING MECHANISM
William T. Downs, Detroit, Mich.
Application January 24, 1938, Serial No. 186,648
7 Claims. (Cl. 62—169)



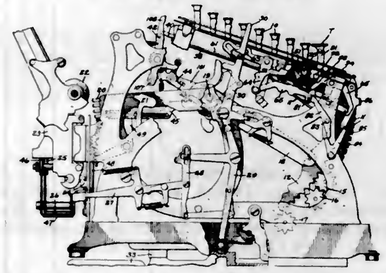
7. The combination with a vehicle having a passenger compartment, and an internal combustion engine mounted beneath an enclosing hood, for driving said vehicle, said engine being provided with an intake manifold and a carburetor; of means for cooling said compartment, said means comprising a heat exchanger supported by said intake manifold and positioned between and in communication with said manifold and the carburetor, said heat exchanger containing passageways for the passage of vaporized fuel from said carburetor to said intake manifold, other passageways in said heat exchanger in heat exchange relation with said first mentioned passageways, a conduit for delivering air from outside said hood into said other passageways and a second conduit for conducting said air from said other passageways in the heat exchanger to the compartment to be cooled.

2,269,930
INTERNAL COMBUSTION ENGINE
George R. Ericson, Kirkwood, and Irven E. Coffey, Normandy, Mo.
Application December 5, 1940, Serial No. 368,641
18 Claims. (Cl. 123—122)



1. In an internal combustion engine having a plurality of cylinders, an intake manifold for supplying fuel to said cylinders, a first and second carburetor, a manually operated throttle for said first carburetor, a second throttle valve for said second carburetor, suction means in constant communication with said first carburetor for opening said second throttle valve in response to the velocity of air passing through the said first carburetor and means for closing said second throttle valve in response to the closing movement of said manually operated throttle.

2,269,931
CALCULATING MACHINE
Arthur J. Fettig, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application August 14, 1936, Serial No. 95,959
9 Claims. (Cl. 235—60)

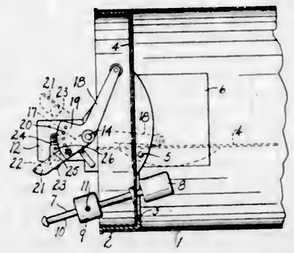


1. The combination in a calculating machine having means for giving it cycles of operation, actuators, a registering mechanism operable by said actuators in the accumulation of items and controlling said actuators in total taking, total-taking control means, and amount indexing means on said calculating machine normally operating to arrest said actuators in differential positions when the machine is cycled with the indexing means indexed; of means for causing said indexing means, after having been indexed, to remain indexed for a plurality of cycles of machine operation, disabling means operable by said total-taking control means when the latter is conditioned for total taking while said indexing means remains indexed, to disable the control of said actuators by said indexing means to thereby enable said actuators to be controlled by said registering mechanism in a total-taking cycle of operation controlled by said total-taking control means, and means acting, at the end of said total-taking cycle, to return said disabling means to ineffective condition to restore the control of the actuators to said indexing means, whereby, during the cycle of machine operation following said total-taking cycle, and without reindexing said indexing means, the actuators may again be controlled by said indexed indexing means.

2,269,932
DRAFT CONTROL
Edward A. Field, Jr., Chicago, Ill.
Original application July 28, 1939, Serial No. 286,975. Divided and this application February 24, 1941, Serial No. 380,096
8 Claims. (Cl. 236—45)

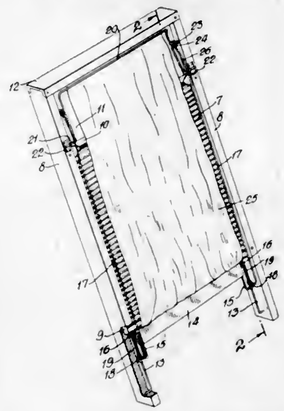
6. A draft control for furnaces or boilers having an intermittently operated combustion device, comprising a pivotally mounted draft control gate, an adjustable counterbalance for said gate normally acting to urge the same to closed position, and means for facilitating opening movement of said gate during periods when said

device is not operating, comprising a motor adapted to be energized a predetermined amount upon initiation of the operation of the device, and gate engaging means actuated by said motor for engaging and actuating the gate to decrease the resistance of said gate to flow of air therethrough during the period of inoperation of the



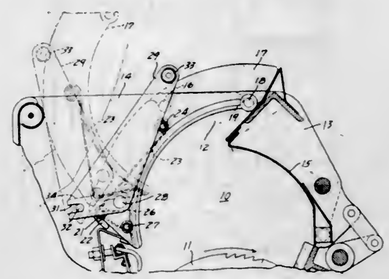
device, said last named means including an arm actuated by said motor, a trip arm pivoted on an axis transverse the gate, a gate engaging arm loosely pivoted on an axis transverse the gate and means for securing said gate engaging and trip arms together for rotation as a unit, including means for varying the angular relationship thereof.

2,269,933
WASHBOARD
Edward Gold, Huntington, N. Y.
Application March 12, 1940, Serial No. 323,500
4 Claims. (Cl. 68—223)



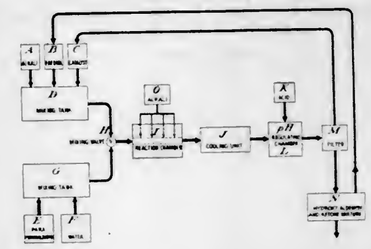
1. A wash board having a rubbing panel over which a fabric article may be placed, rails at opposite sides of the panel providing supporting legs therefor and having guides extending below said panel, an upper device and a lower device extending transversely of the wash board, the lower device being mounted upon said guides for movement upwardly toward and downwardly from the panel to clamp or release said article relative thereto and the upper device being movably mounted on the wash board near the top thereof and manually operable to actuate the lower device, and means extending along opposite sides of the wash board for operatively connecting said upper device with said lower device.

2,269,934
GIN ROLL BOX FRONT
Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia
Application August 2, 1940, Serial No. 349,929
9 Claims. (Cl. 19—55)



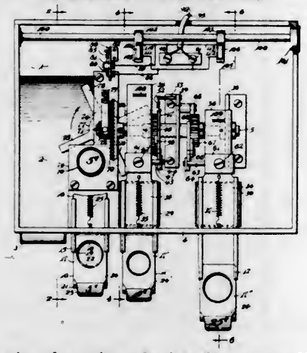
1. In a cotton gin embodying a roll box defined by a saw cylinder, gin heads and front and rear walls, a roll box front comprising end plates, a pin at the upper end of each end plate seated in a notch formed in its associated gin head, a stop in the associated gin head for supporting the lower end of each of the end plates, a curved front wall secured between the end plates, a shaft extending from end to end of the front wall and through the end plates, and a lever secured to the shaft and pivoted at one side to the gin head to manipulate the front wall.

2,269,935
PROCESS FOR PRODUCING HYDROXY ALDEHYDES AND HYDROXY KETONES
William E. Hanford and Richard S. Schreiber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 27, 1940, Serial No. 320,988
10 Claims. (Cl. 260—594)



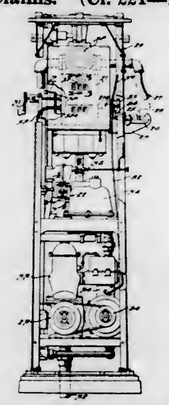
1. A continuous process for the production of hydroxyaldehydes and hydroxy ketones which comprises dissolving a compound of an element of the 4th group of the periodic table in an enediol by maintaining the pH of the enediol in excess of 5 and adding the resulting solution to an aqueous solution of formaldehyde, passing the mixture through a reaction chamber heated to a temperature between 25° and 150° C., stopping the reaction when the desired degree of condensation is attained, and recovering the desired hydroxyaldehydes and hydroxy ketones.

2,269,936
COIN CHANGER AND CONTROL DEVICE
Charles F. Harris, Fayetteville, N. C., assignor of one-half to A. E. Dixon, R. M. Olive, and C. E. Rankin, Fayetteville, N. C.
Application April 27, 1939, Serial No. 270,469
10 Claims. (Cl. 133—4)



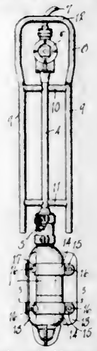
7. A coin changing device for a vending machine comprising a shaft, a coin ejecting mechanism connected thereto and operated in proportion to rotation of said shaft, means for imparting rotary movement to said shaft comprising an operating member and means connecting said operating member and shaft, said operating member having a normal movement for causing said shaft operated coin ejecting mechanism to issue a predetermined number of coins, and a combined switch and stop device mounted for movement to operative position in the path of the operating member, said stop being adapted to restrict the movement of said operating member to less than said normal movement in causing the coin ejecting mechanism to issue less than said predetermined number of coins, and said switch being adapted to be engaged by said operating member in serving as a control means.

2,269,937
COIN CONTROLLED LIQUID DISPENSING APPARATUS
Frank D. Hart, Northville, Mich.
Application February 16, 1940, Serial No. 319,221
5 Claims. (Cl. 221—101)



1. In a coin operated dispensing apparatus including the combination of a source of liquid supply, liquid dispensing means, a meter for measuring the amount of liquid dispensed through said dispensing means, a pump for causing flow of liquid from said source through said meter and said dispensing means, a motor for operating said pump, registering means operated by said meter for indicating the amount of liquid dispensed and the cost thereof, and means connected to said dispensing means for initiating operation of said motor, the sub-combination comprising means for rendering said last-named means ineffective to initiate operation of said motor except when said registering means is in zeroized condition, a coin slide mechanism for zeroizing said registering means, means operable by said registering means for stopping said motor when a predetermined amount of liquid has been dispensed, and means operable by said coin slide for maintaining said motor in operation until stopped by said means for stopping said motor operated in response to operation of the registering means when a predetermined amount of liquid has been dispensed.

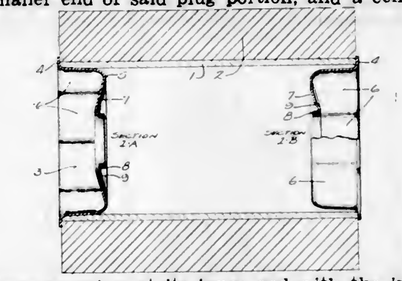
2,269,938
IMPLEMENT FOR TREATING CONCRETE AND LIKE PLASTIC MATERIALS
Corwill Jackson, Ludington, Mich.
Application April 1, 1940, Serial No. 327,223
3 Claims. (Cl. 25—1)



1. An implement of the class described comprising an elongated cylindrical motor casing adapted to be submerged in a mass of material to be treated, a motor housed in said casing and provided with a rotor having an unbalancing weight, a plurality of external blades disposed longitudinally and radially of said casing and extending approximately the full length thereof and being of substantial width, so as to project substantially beyond the outer periphery of the casing, and complementary segmental band-like clamp members terminating in radially disposed ears, said blades being disposed on one side of the pair of ears and secured thereto by bolts through the ears and blades, the blades being notched at their inner ends to receive said clamp members, and a handle resiliently connected to said casing in axial alignment with the axis of said rotor.

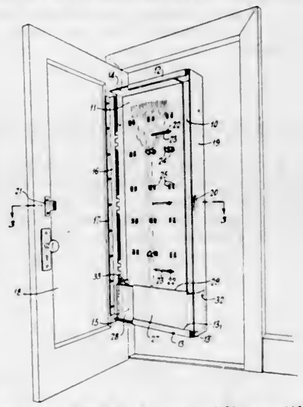
2,269,939
CORE PLUG
Maximillian P. Janisch, Milwaukee, Wis., assignor to Badger Wood Plug Company, Appleton, Wis., a corporation of Wisconsin
Application August 9, 1940, Serial No. 351,935
3 Claims. (Cl. 206—59)

1. A core plug comprising an integral sheet metal article formed to provide a plug portion constituting the frustum of a pyramid polygonal in cross section, an inwardly dished wall generally having the shape of the frustum of a shallow cone and merging at its periphery with the smaller end of said plug portion, and a central



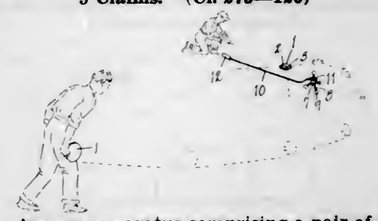
sleeve merging at its inner end with the inner periphery of said dished wall and extending thence outwardly within the wall to a termination approximately in the plane of the outer periphery of said wall.

2,269,940
STORAGE DEVICE
Henry J. Johnson, North Arlington, N. J.
Application January 30, 1939, Serial No. 253,589
2 Claims. (Cl. 312—113)



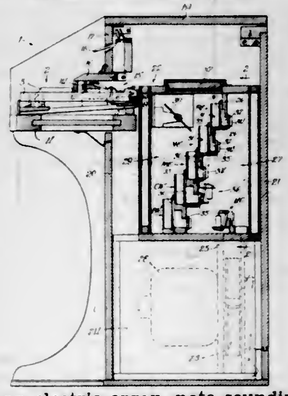
2. A storage device for providing with a supporting surface a closed compartment, said device including a pair of telescoping members providing an open box-like container, each end wall of one of said members being provided at the open side of said box-like container with a bead having a lip, said lip extending inwardly of the box-like container and at right angles to thereto, the edge of the end wall of the other telescoping member extending into the space between the end wall of the one telescoping member and the bead lip and a pair of removable telescoping plate members removably secured to one end and on the open side of the box-like container and contacting along one edge with and resting on the lip portion of the bead of said one of said telescoping members to provide a bin at one end of the box-like container, said pair of telescoping plate members being receivable at either end of the said storage device whereby the storage device may be inverted end for end, and a single hinge extending along the length of one of the telescoping members to pivotally support the box-like container against a supporting wall.

2,269,941
GAME
Ralph E. Jones, Grand Rapids, Mich.
Application March 23, 1940, Serial No. 325,525
5 Claims. (Cl. 273—126)



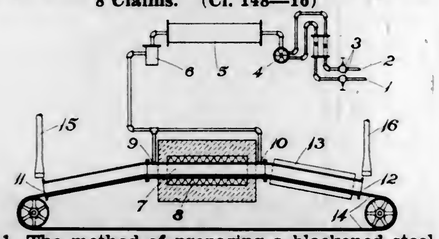
1. A game apparatus comprising a pair of disk-like rolling members, one having on its side a pair of meeting lines defining an angle and adapted to be rolled to a position by a player, a member comprising a body portion having four equally spaced prongs extending therefrom each forming the same angle with the next adjacent prong for said player to toss to proximity to the aforesaid disk-like member after it is rolled to position, and a barrier member comprising a cord-like element having means for attachment to one of said prongs, said second disk-like member being adapted to be rolled to cause it to approach a desired position relative to said first rolled disk-like member and said other members by another player.

2,269,942
ELECTRIC ORGAN
Sylvan K. Ketterman, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1941, Serial No. 379,197
8 Claims. (Cl. 84—339)



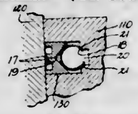
1. In an electric organ, note sounding devices arranged in sets and groups with the devices of each set of a range of pitches coextensive with the range of the keyboard and the devices of each group of different tonal qualities, magnetically operated valves individual to the respective devices controlling admission of wind thereto, and means comprising set stop switches and key switches for selectively operating the valves of a selected group and optionally operating the corresponding valves of a group an octave of the selected group responsive to actuation of the key corresponding to the selected valve group, said set stop switches and key switches solely controlling selection and operation of the valves.

2,269,943
METHOD FOR MANUFACTURING BLACKENED STEEL ELECTRODES
Darwin R. Kiser, Emporium, Pa.
Application December 8, 1939, Serial No. 308,180
8 Claims. (Cl. 148—16)



1. The method of preparing a blackened steel electrode for electron discharge tubes and the like which includes the steps of, heating the electrode in an atmosphere containing (H_2, H_2O) and CO_2 to form a stable black iron oxide on the surface of the electrode and simultaneously to prevent the formation of unstable iron oxides thereon, the ratio of H_2 to (H_2+H_2O) being from 50 to 60%.

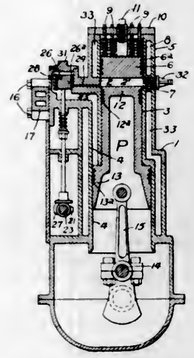
2,269,944
PISTON RING
Matthew G. Kurth, Madison, Wis., assignor to Five Point Seal Corporation, Oregon, Wis., a corporation of Wisconsin
Application November 9, 1938, Serial No. 239,653
9 Claims. (Cl. 309—7)



9. Packing for annularly grooved surfaces, said packing comprising a set of concentric annular packing members of resilient material biased for pressure contact in opposite directions, the packing outermost in the groove comprising at least one contractile ring subject to wear and the inner packing comprising at least one expanding ring substantially free from wear and adapted to exert substantially constant counter pressure outwardly upon the outer packing in excess of the contractile pressure of the outer packing, whereby to provide a constant force determinative of the differential bearing pressure and of increased relative effectiveness as the outer packing becomes worn, the inner packing ring and the outer packing ring aforesaid having bearing contact with each other and at least one of said rings having for the purpose of such contact a bearing surface obliquely directed with respect to a central radial plane through said concentric packing members, the pressure of the said inner packing ring and outer packing ring upon each other being exerted both axially and radially by reason of the oblique direction of such surface, whereby to maintain continuous sealing pressure betwen rings in an axial as well as a radial direction.

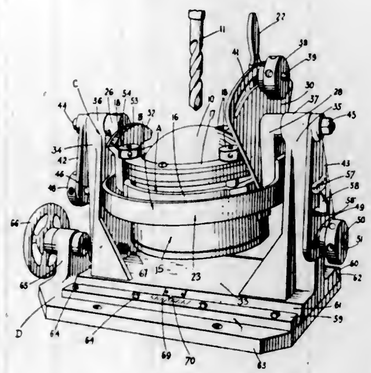
2,269,945
INTERNAL COMBUSTION ENGINE
Rosemond L. Landry, Woodside, N. Y.
Application October 5, 1940, Serial No. 359,829
6 Claims. (Cl. 123—78)

1. The combination in an internal combustion engine, of a cylinder having top and bottom bores of different diameters, a power piston in said cylinder having upper and lower heads of different diameters to fit said top and bottom bores, said upper head cooperating with said top bore to form a compression chamber, fuel igniting means in said compression chamber, a bypass connecting said compression chamber with



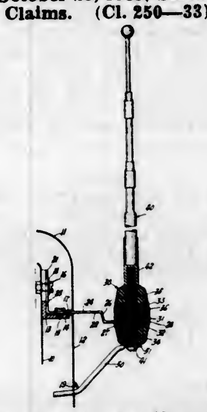
said bottom bore, and valve means in said bypass for controlling the communication between said compression chamber and said bottom bore, said valve means opening during the power stroke of the piston to increase the ratio of expansion in said cylinder.

2,269,946
WORK HOLDER FOR DRILLING BOWLING BALLS
Joseph A. Lange, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application April 20, 1940, Serial No. 330,635
13 Claims. (Cl. 144—93)



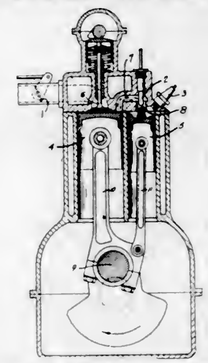
1. A work holder for drilling bowling balls comprising a ball carrier adapted to fixedly hold a bowling ball, a mount for the ball carrier, a supporting structure for the mount, the said ball carrier being pivotally carried by said mount for movement about a center axis of the ball, and the said mount being pivotally carried by the said supporting structure for movement about a tangent axis of the ball.

2,269,947
ANTENNA MOUNTING
Sidney Ludwig, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 26, 1939, Serial No. 301,413
6 Claims. (Cl. 250—33)



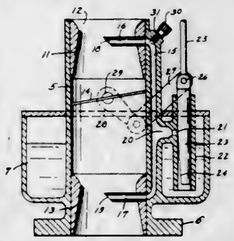
1. An antenna and mounting comprising a bracket, a vertical arm on said bracket slotted to receive a body bolt and adapted to be secured to the side cowl wall of an automobile, a substantially horizontal arm on said bracket having a vertically thin section adjacent the junction of said horizontal and vertical arms adapted to be engaged by the hood top and side panel of an alligator automobile hood, said horizontal arm having an opening in the outer portion thereof to receive an insulator ring, an insulator ring, an insulator cap engaging said horizontal bracket arm, an antenna rod, a socket on said antenna rod, a lead-in adapted to be threaded through a louver in an automobile hood, and an antenna bolt, engaged in said socket to maintain said bracket, insulator ring, insulator cap, lead-in and antenna as a unitary assembly.

2,269,948
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application April 28, 1939, Serial No. 270,624
9 Claims. (Cl. 123—53)



4. An internal combustion engine having a small cylinder, a large cylinder, a valve controlled air inlet port for said large cylinder, reciprocating pistons in said cylinders, a common crankshaft, connecting rods connecting the said pistons to said common crankshaft, a small passageway connecting the upper ends of the large and small cylinders, a venturi in said passageway in the top wall of said cylinder, said connecting rods being arranged on the crankshaft in such a manner as to cause the said pistons to reciprocate in unison with the large piston having a slight lead on the small piston on the compression stroke whereby practically all of the space above the large piston in the large cylinder will be consumed when the large piston is in its upper dead center position so as to force practically all of the air taken in on the intake or down stroke of the cylinders out of the large cylinder through the passageway into the small cylinder with a high velocity, an injection nozzle having its outlet positioned in the most restricted area of the venturi for directing the charge of fuel vertically downward into the small cylinder toward the small piston as the air is forced at high velocity from the large cylinder through the passageway and venturi into the small cylinder whereby the fuel is atomized, and means for igniting the fuel and air charge after the same has been injected into the said pocket.

2,269,949
CARBURETOR
Marion Mallory, Detroit, Mich.
Application September 30, 1939, Serial No. 297,258
8 Claims. (Cl. 261—50)



1. In a down-draft carburetor, a passageway having its upper or intake end in the form of a venturi, a throttle valve in said passageway below the first venturi, a second venturi in said passageway below the throttle valve, a conduit having its inlet in the first venturi and its outlet in the second venturi, said conduit being provided with an enlarged lateral recess, a fuel port opening into said recess, and an adjustable restriction in the conduit between the first venturi and said recess.

2,269,950
MARKING ELEMENT FOR MECHANICAL PENCILS
Nathaniel H. McPhee, New Rochelle, N. Y.
Original application January 13, 1937, Serial No. 120,346. Divided and this application April 6, 1939, Serial No. 266,268
7 Claims. (Cl. 120—83)

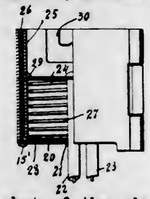
1. As a new article of manufacture, an eversharp marking element for mechanical pencils comprising a flat, elongated body having a thin dimension not exceeding .015 of an inch in thickness in which the percentage variation in the thin dimension at the marking end of the element is negligible, and in which said thin dimension remains substantially constant as the element wears away in the course of normal use

of the pencil thereby insuring the production of fine lines of unvarying thickness when the pencil



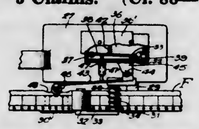
is held at different inclinations from the vertical in a line of direction extending transversely to the broad side of the element.

2,269,951
LIGHT SOCKET
Douglas T. Mitchell, Scarsdale, N. Y.
Application April 19, 1941, Serial No. 389,317
1 Claim. (Cl. 173—328)



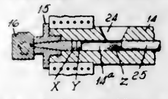
In a light socket of the class described, an outer shell formed of a blank presenting crossing arms when the blank is shaped into a shell open longitudinally at the arms, said shell having stops at one end thereof formed by lugs projecting inwardly of the shell, said arms having yielding means at the extremities thereof for engaging a flat support so that the edges of the open shell are drawn towards each other when the arms engage a support.

2,269,952
FILM-CONTROLLED CIRCUIT SWITCH FOR MOTION PICTURE PROJECTORS
Thomas J. Morgan, Chicago, Ill., assignor to Ampro Corporation, a corporation of Illinois
Application April 7, 1941, Serial No. 387,128
3 Claims. (Cl. 88—17)



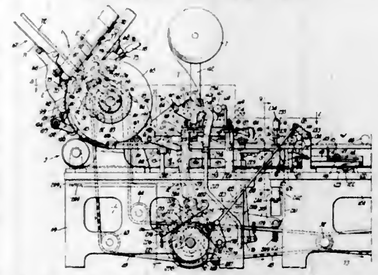
1. In a device of the class described, the combination with film feeding and guiding means, of an electric motor for operating said feeding means, a normally open main switch in the circuit of said motor spring urged to open position, a magnet in the motor circuit for closing said main switch, a normally open starting switch in the motor circuit adapted, when closed, to energize said magnet and close said main switch, a latch for holding said main switch closed, a movable member carrying a roller adapted to ride on the edge of a film having a depression in said edge, a spring acting through said movable member to press said roller against said film edge, and means brought into action by said spring when said roller enters said depression to open said main switch, said last named means including a relay circuit, an unlatching magnet therein, and a normally open switch in said relay circuit that is closed by said spring when said roller enters said depression.

2,269,953
METHOD OF DIE CASTING THERMOPLASTICS
Louis H. Morin and Davis Marinsky, Bronx, N. Y.
Application April 22, 1939, Serial No. 269,392
2 Claims. (Cl. 18—55)



1. The method of die casting an article of thermoplastic material by feeding heated material by a plunger through the discharge end of a heated cylinder into a cavity, which comprises continuously heating the discharge end of the cylinder, sealing the discharge end of the cylinder and intermittently feeding small pre-measured portions of the material into the heated cylinder by intermittent strokes of said plunger so that each measured portion becomes quickly heated by contact with the walls of the heated cylinder and contact with heated material already in the discharge end portion of the cylinder, and then opening the discharge end of the cylinder and simultaneously therewith and by a single stroke of said plunger pressure injecting from the cylinder into the cavity a portion of said heated material sufficient to fill the cavity.

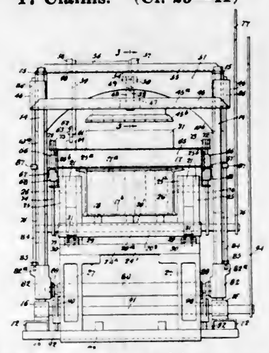
2,269,954
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application March 23, 1939, Serial No. 263,626
23 Claims. (Cl. 93—61)



4. A machine for making clasp fastener envelopes comprising, in combination, means for advancing envelopes along a definite path, means for delivering envelopes in definitely timed relation to said advancing means, a first envelope arresting means for stopping an envelope at a first station for the application of a patch thereto, means at the first station for preparing and delivering a patch and affixing it to the inner face

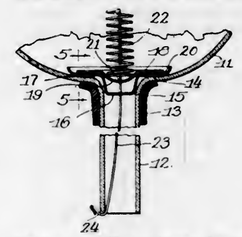
of the back of the envelope, a common operating and timing member for said first arresting means and for said patch preparing, delivering and affixing means, a second envelope arresting means at a second station, mechanism at said second station for delivering a clasp fastener to the envelope and for clinching the fastener to the back of the envelope and to the reinforcing patch, a common driving means for the mechanism at the second station and for the common driving and timing member at the first station, and means for instantaneously connecting and disconnecting the common driving and timing member at the first station and said common driving means.

2,269,955
BUILDING UNIT MACHINE
Eugene F. Olsen, Adrian, Mich., assignor of eleven-twentieths to Hamlin F. Andrus and nine-twentieths to Louis Gelbman, both of Yonkers, N. Y.
Application August 19, 1940, Serial No. 353,198
17 Claims. (Cl. 25—41)



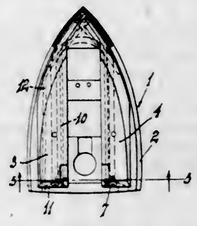
1. In a building unit machine, a mold, means for pivotally supporting said mold about an axis located centrally, horizontally and vertically of said mold, means for limiting the amplitude of pivoting of said mold to a small angle, and means for oscillating said mold about said axis and tending to oscillate said mold through a larger amplitude than the amplitude permitted by said limiting means and including a rotative shaft with an off-balanced weight and extending parallel to said axis and located to one side of said mold.

2,269,956
FILTERING UNIT FOR VACUUM COFFEE UTENSILS
Frank Renner, Chicago, Ill.
Application October 5, 1938, Serial No. 233,470
2 Claims. (Cl. 210—162)



1. In a device of the class described, a disc having a depending central boss with perforations therein, a second disc having a central boss to center the same over said first boss and provide a seat for a coil spring and having an opening aligned with one of said perforations, a coil spring vertically positioned in said seat and having an extension passing downwardly through said aligned openings and ribs on one of said discs to provide a clearance of a few thousandths of an inch between said discs.

2,269,957
PRESSING AND STEAMING SADIRON
Albert Tisnerat, Corona, and Max Coonen, Long Beach, Calif.
Application October 24, 1938, Serial No. 236,708
1 Claim. (Cl. 38—77)



In an electrical sadiron comprising a body, said body including a sole plate and upstanding lugs integrally formed with the sole plate, and extending longitudinally thereof, an electrical heating element in each of the upstanding lugs, and extending longitudinally thereof, said upstanding lugs having super heating ducts formed therein, the super heating ducts being arranged adjacent the heating elements and parallel thereto, said sole plate having a distributing duct arranged therein, means to supply one of said super heating ducts with steam, and conduit means to conduct the super heated steam to said distributing duct, said sole plate having a plurality of outlet ports extending therethrough into the distributing duct.

2,269,958
FIRE EXTINGUISHING COMPOSITION
George Gordon Urquhart, Cynwyd, Pa., assignor to National Foam System, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,461
5 Claims. (Cl. 252—3)

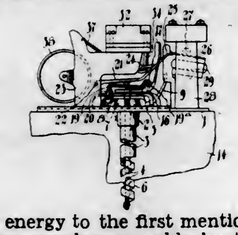
1. A process of producing a stable fire-extinguishing foam which comprises combining a degraded proteinaceous material derived from the soybean with foam producing substances in such proportions as to form a fire-extinguishing blanket of foam.

4. A fire-extinguishing composition comprising a mixture of acid and basic foam-forming reagents and a stabilizer in the form of a water-dispersible proteinaceous product derived from the soybean.

2,269,959
TEMPERATURE CONTROL
Elmore Stanley Smith, Weston, Ontario, Canada, assignor to Moffats Limited, Weston, Ontario, Canada
Application March 18, 1940, Serial No. 324,498
10 Claims. (Cl. 200—139)

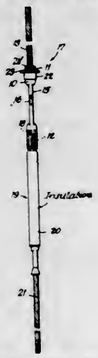
1. A temperature indicator and control com-

prising a manually operable switch adapted to be set to any one of a plurality of on positions; means tending to move the switch from one on position to another on position; means for releasably locking the switch in its first mentioned on position; thermostatic means for indicating temperature; a normally closed switch for



controlling energy to the first mentioned switch; an operating member movable by the thermostatic means; a manually movable regulator adjustable relative to the operating member; and a lever pivoted on the regulator for movement relative thereto by said operating member to release the locking means and cause the second switch to be opened.

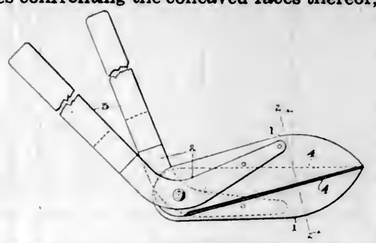
2,269,960
FITTING
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application August 2, 1940, Serial No. 349,710
5 Claims. (Cl. 200—135)



4. For combination with a fuse link having external threads at one end, a metallic sleeve internally threaded at one end for engagement with the threaded end of said fuse link and externally threaded at the other end, a flanged fitting threaded on the external threads at said other end, and a conductor formed by a plurality of relatively fine wires extending out of the said other end of said sleeve from a point therein in proximity to its internally threaded end said sleeve being deformed intermediate its threaded ends onto said conductor to hold the same in place therein and to provide intimate contact engagement therewith.

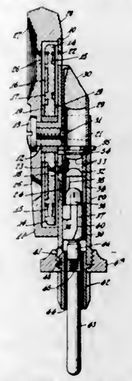
2,269,961
LAWN SHEARS
Alexander L. Vincze, St. Petersburg, Fla.
Application October 12, 1940, Serial No. 360,993
4 Claims. (Cl. 30—257)

1. The combination of coacting concavo-convexed resilient cutting blades, having cutting edges confronting the concaved faces thereof, and



pivotally connected levers operating the blades and connected therewith for pivotal unity therebetween.

2,269,962
OPHTHALMOSCOPE
Frederick Charles Wappler, New York, N. Y.
Application September 28, 1939, Serial No. 296,884
3 Claims. (Cl. 88—22)

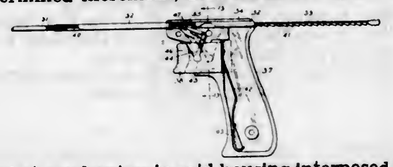


1. In an ophthalmoscope, a substantially circular supporting plate with an aperture near its edge, a tubular housing carried by said plate, an optical system mounted in said housing for directing a beam of light into alignment with said aperture, a spaced cover plate provided with a sight opening aligned with said aperture, a lens disc concentrically mounted for rotation between said plates and provided with different lenses adapted to be brought successively into alignment with said sight opening and aperture, said cover plate having an extension adjacent to said sight opening, and an attention-arresting indicator accentuating the locality of said sight opening, said indicator comprising a crater-like depression formed in said cover plate and cover plate extension concentric with said sight opening, said depression having a diameter relatively large with respect to the diameter of said sight opening.

2,269,963
IMPLANTING DEVICE
Frederick Charles Wappler, New York, N. Y.
Application June 1, 1940, Serial No. 338,297
4 Claims. (Cl. 128—217)

2. In an implanting device of the character described, a tubular chamber adapted to accommodate, in tandem relation, a series of rod-like bodies intended to be discharged through the forward end of said chamber, a housing at the

rear end of said chamber including a pistol-grip handle, said housing having a sight opening therein, a plunger extending into said chamber through said housing, a trigger carried by said handle, means controlled by each actuation of the trigger for advancing the plunger by a predetermined increment, said means comprising a



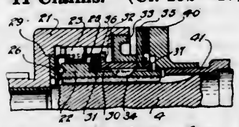
ratchet mechanism in said housing interposed between said trigger and said plunger, and means for indicating the number of bodies accommodated within the chamber at any instant of time, said means comprising indicia carried by the plunger and arranged to show through said sight opening as the plunger moves.

2,269,964
DRAPED CURTAIN
Laura H. Watson, Ross Township, Allegheny County, Pa.
Application June 18, 1940, Serial No. 341,148
1 Claim. (Cl. 156—10)



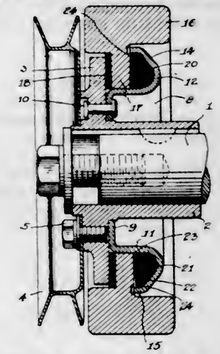
In drapery for windows and the like, the combination of a horizontally disposed support, such as a rod spaced from and parallel to the top of the window above the opening, a pair of curtains secured at their top edges to said support and hanging below the window sill for boxing in the window opening, and a slide fastener arranged to connect and to vary the parting between the curtains whereby the curtains may be attached together along their adjacent vertical edges for the full length thereof to complete the boxing enclosure of the window opening and to prevent the direct entrance of light and air and to direct the currents of air upwardly toward the ceiling between the curtains and the window opening.

2,269,965
DUODIRECTIONAL-UNIDIRECTIONAL COUPLING
Ernest E. Wemp, Detroit, Mich.
Application October 23, 1939, Serial No. 300,739
11 Claims. (Cl. 192—47)



1. Coupling mechanism for transmitting torque comprising two rotary members, roller clutching elements, said members having surfaces cooperating with the clutching elements so that the clutching elements are engaged therebetween when the torque is in one direction and engaged therebetween when the torque is reversed with the members having limited relative rotary movement upon such torque reversal, whereby the rollers establish a duo-directional connection, said surfaces arranged to provide an intermediate neutral position for the rollers, a cage for the rollers, means forming a surface to surface sliding frictional engagement between the cage and one of the members for shifting the roller elements upon torque reversal from one driving position to another driving position, control means operable to limit movements of the cage from one driving position of the roller elements to the neutral position of the roller elements upon torque reversal to establish a unidirectional drive connection and means normally holding the control means in ineffective position.

2,269,966
VIBRATION DAMPENER
Ernest E. Wemp, Detroit, Mich.
Application January 27, 1940, Serial No. 315,942
14 Claims. (Cl. 74—574)

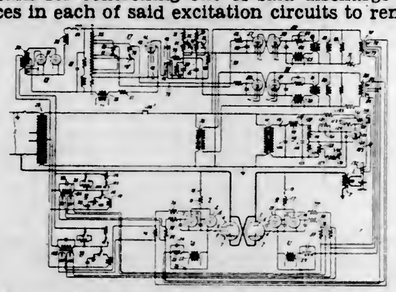


1. A vibration dampener for a shaft or the like comprising, a hub member secured to the shaft to rotate therewith, an inertia member capable of relative rotary movement and frictionally associated with the hub, means carried by the hub member and forming a chamber opening toward the inertia member, a mass of material comprising balls disposed in and substantially filling the chamber, means comprising a spring member positioned between the balls and the inertia member and reacting against the inertia member to place the material under initial load, the reaction establishing initial pressure for the frictional association of the hub and inertia member.

2,269,967
ELECTRIC VALVE CONTROL SYSTEM
Austyn L. Whiteley and Bertram G. Higgins, Rugby, England, assignors to General Electric Company, a corporation of New York
Application January 5, 1940, Serial No. 312,520
In Great Britain March 20, 1939
10 Claims. (Cl. 250—27)

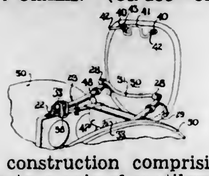
1. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising a pair of reversely connected electric valve means each having a control member for

controlling the conductivity thereof, a pair of excitation circuits each associated with a different one of said electric valve means for energizing the control member thereof and each comprising a pair of electric discharge devices, timing means for controlling one of said discharge devices in each of said excitation circuits to render



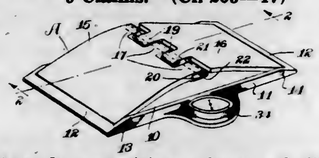
said electric valve means conductive during a predetermined number of cycles of voltage of said alternating current circuit, and a second timing means connected to the other electric discharge device in each of said excitation circuits to render said electric valve means conductive during a second predetermined number of cycles of voltage of said alternating current circuit.

2,269,968
SEAT
David B. Baker, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 19, 1939, Serial No. 310,021
7 Claims. (Cl. 155—51)



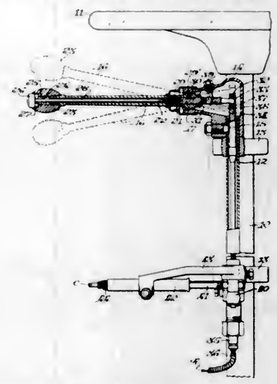
3. A seat construction comprising a pair of spaced supports, a pair of cantilever leaf springs associated respectively with the supports, each spring being secured at one end to a respective support and disposed above said support and generally parallel thereto, a seat carried by and between the springs, and adjustable means associated between a spring and its respective support and adapted to be positioned at various points between the secured and free ends of the spring for varying the spring rate.

2,269,969
SCALE
Charles E. Branick, Fargo, N. Dak.
Application January 5, 1939, Serial No. 249,422
9 Claims. (Cl. 265—47)



1. A scale comprising a base, a hollow ring-shaped endless tire lying flat upon said base with its axis vertical, a pressure plate supported above said tire to distribute the pressure thereupon, and indicator means connected to said tire to indicate the weight of an object depressing said pressure distributing plate.

2,269,970
GEARSHIFT MECHANISM
James A. Bundy and Frank W. Avila, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application October 23, 1940, Serial No. 362,370
3 Claims. (Cl. 74—484)

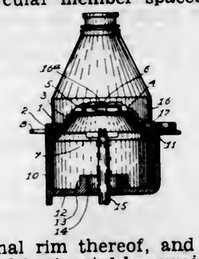


1. A gear-shift mechanism for a motor vehicle of the remote control type having a transmission with three shifter rods, and in combination, supporting means, a sleeve rotatably mounted on said means, a hollow head structure rigidly carried by said sleeve, a shifting lever extending into said structure and pivotally mounted for movement on an axis at right angles to the axis of the sleeve, an actuating element slidably and non-rotatably mounted in said lever, resilient means for urging said element in an outward direction, means for manually moving the element in an inward direction, a shifter rod selecting member formed with a transverse opening at the upper end and being reciprocable in the sleeve, said actuating element extending into the opening and being movable in an angular direction and transversely with respect to the selecting member, and a stop element secured to the head structure and extending into the normal path of movement of the actuating element, thereby limiting movement of the shifting lever in that direction, whereby only two of the shifter rods may be selected, said actuating element being provided with a recess which is brought into registration with the stop element by axial movement of the actuating element whereby the shifter lever may be further moved to select the third shifter rod.

2,269,971
BOWL HOLDING POT COVER FOR CENTRIFUGAL LIQUID SEPARATORS
Clifford E. Butler, Waterloo, Iowa
Application November 16, 1940, Serial No. 365,900
1 Claim. (Cl. 233—1)

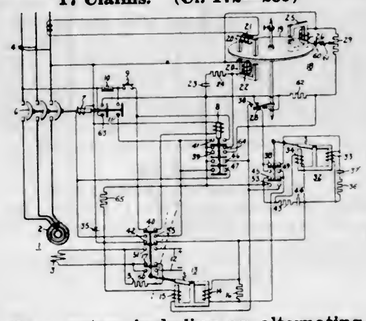
A device of the character described, consisting of a circular member having an upright marginal rim, a central upwardly directed hollow frusto-conical part spaced from said upright rim, a coaxial upwardly directed hollow wall of less diameter than the upper end part of the frusto-conical part and diametrically crossed by an upwardly disposed wall, a plurality of circularly

spaced depending lugs coaxially disposed on the base of the circular member spaced from said



upright marginal rim thereof, and a vertically apertured radial horizontal lug projecting laterally from said marginal rim.

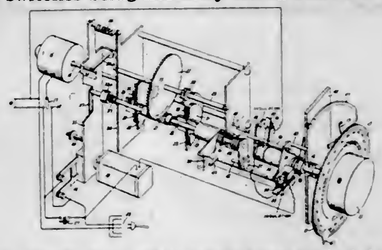
2,269,972
CONTROL SYSTEM FOR SYNCHRONOUS MACHINES
Maynord N. Halberg, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 23, 1939, Serial No. 296,271
17 Claims. (Cl. 172—289)



16. In a system including an alternating current supply circuit connected to a subsynchronously operating synchronous machine, speed responsive means dependent upon the impedance of the armature circuit of said machine, means for varying the minimum speed at which said speed responsive means responds, and means controlled by said speed responsive means for effecting a predetermined change in the connections of said machine at substantially the same predetermined points in the slip cycle whenever said machine is operating at the minimum speed for which said speed responsive means is adjusted to respond.

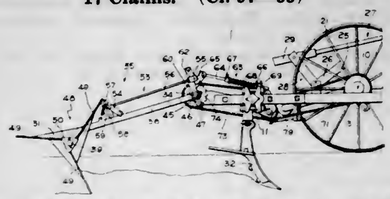
2,269,973
MULTIPLE RANGE CIRCUIT TIMER
Claude M. Hathaway, Denver, Colo., assignor to General Electric Company, a corporation of New York
Application June 20, 1941, Serial No. 398,912
10 Claims. (Cl. 161—1)

1. A timer comprising a timer motor, a pair of rotary time interval measurement switch operating means, driving connections including clutches through which said means are individually driven by said motor at different rates of speed when said clutches are engaged, a pair of stops for determining the initial positions of said means and against which they are returned when the clutches are disengaged, an electromagnet which when energized engages said clutches to start a timing operation, a switch adjustable to different rotary positions in the path of movement of the higher speed means, a switch adjustable to different rotary positions in the path of movement of the lower speed means, said switches being normally closed and connect-



ed in series with said electromagnet but being opened when engaged by their respective switch operating means, and a time setting dial means for adjusting the rotary positions of said switches and indicating the time for which adjusted.

2,269,974
ROLL-OVER TYPE DAMMER
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 1, 1939, Serial No. 276,850
17 Claims. (Cl. 97—55)

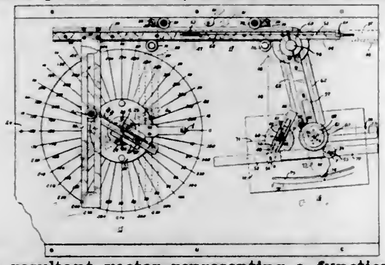


1. In combination, a frame, ground means for supporting said frame, a rotatable shaft carried by the frame, a roll-over type dammer attachment trailingly and pivotally connected to said shaft for vertical movement including a revolvable blade means and a trip mechanism for releasing the blade means to permit revolving of the same, said trip mechanism having a pivoted lever, and a cam for operating the trip mechanism on said rotatable shaft, whereby said dammer attachment and its trip mechanism pivot about a common center of the shaft and cam to thereby maintain the radial relationship of the pivoted lever of the trip mechanism and cam during vertical movement of the blade means due to uneven contour of the ground.

2,269,975
MATHEMATICAL DEVICE
William G. Hutton, Parma, Ohio, assignor of one-third to Windsor H. Atwater, South Euclid, Ohio, and one-third to Robert Morris Pierce, Lakewood, Ohio
Application April 30, 1941, Serial No. 391,157
20 Claims. (Cl. 235—61)

1. A machine for solving equations which may be solved vectorially comprising, in combination, a movable element having thereon two spaced points constituting the ends of a movable vector, a member having thereon a reference point, said reference point and one of said spaced points of the movable vector being spaced apart and con-

stituting the ends of a reference vector, the said reference point and the other of said spaced points of the movable vector constituting the ends of a resultant vector representing a function of the value to be solved, said movable element being rotatable about the said one of said spaced points thereon, means for determining



the resultant vector representing a function of the value to be solved, means for generating a recurrent movement, and means for transmitting the generated movement to the movable element to rotate same about the said one of said spaced points thereon for giving the resultant vector at any position throughout the complete cycle of the recurrent movement.

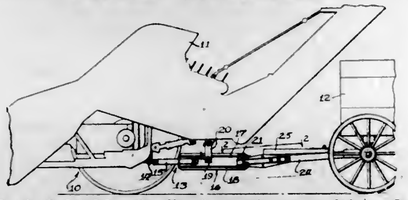
2,269,976

DRAFT ELEMENT

Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application February 10, 1941, Serial No. 378,237

3 Claims. (Cl. 280—33.44)



1. A foldable draft element comprising first and second sections pivotally connected to one another for relative movement about a pivot axis along one side transverse to the length of the section, plates secured to opposite sides of the first section and extending therebeyond in planes transverse to the pivot axis, one of the plates having a stiffening rib extending parallel to the sections, and a pin having one portion adapted to extend through the plates at one point and to engage the end of the second section at the side opposite the pivot axis so as to hold the sections in line and having a second portion engaging the stiffening rib, the pin also being adapted to extend through the plates at another point beyond the end of the first section and to engage a draft device embraced by the plates, the second section extending alongside the first section.

2,269,977

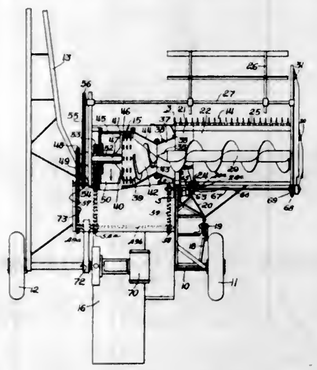
HARVESTER-THRESHER

Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 22, 1939, Serial No. 296,103

8 Claims. (Cl. 56—122)

1. A harvester thresher construction comprising a framework, a grain-receiving platform of considerable length, means mounting the platform on the framework for swinging movement with respect thereto about an axis at one end of the platform substantially at right angles to the length thereof, an auger conveyer extending in



the direction of the length of the platform and supported adjacent the end of the platform away from the end adjacent the axis about which the platform swings, and a thresher cylinder positioned at the end of the auger conveyor adjacent the axis of the platform about which it swings.

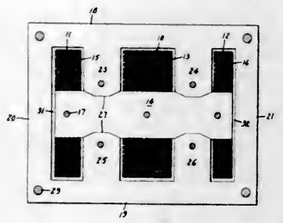
2,269,978

ELECTRICAL APPARATUS

Charles W. Kronmiller, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application February 29, 1940, Serial No. 321,486

12 Claims. (Cl. 171—119)



1. An apparatus for supplying electrically displaced operating currents to a pair of gaseous electric discharge lamps comprising a transformer winding, a relatively low reactance winding, a relatively high reactance winding, a magnetic structure for said windings comprising a longitudinal winding leg extending axially through said windings, said transformer winding being centrally arranged upon said winding leg, said reactance windings being arranged upon the opposite ends of said winding leg and spaced from said transformer winding, said magnetic structure also including an outer shell surrounding said windings and having legs extending inwardly between said windings and engaging with said winding leg so as to provide a substantially closed, low reluctance magnetic circuit for said transformer winding, and non-magnetic gaps provided between the ends of said central winding leg and the adjacent portion of said outer shell.

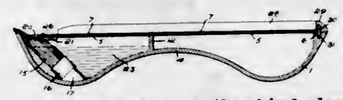
2,269,979

MOISTENING DEVICE

Max Liebman, Dorchester, Mass.

Application June 21, 1940, Serial No. 341,683

1 Claim. (Cl. 91—38)



A moistening device of the kind described adapted to store, separate, and moisten seals, wafers, or the like small gummed articles, comprising a receptacle having a removable cover, a removable cross-plate, a liquid-containing portion in the receptacle, and a moistening element positioned in the receptacle under the cross-plate to feed liquid above the level of the cross-plate adjacent the delivery end of the receptacle to moisten the gummed surface of articles moved thereover, said removable cover having a roughened surface on which to hold and facilitate the separation of a small gummed article from the mass of such gummed articles stored on said roughened surface, said cross-plate having a smooth polished surface over which the articles separated from said stack may slide, the top of the cross-plate and the said roughened surface being substantially in alignment, the upper part of the moistening element being positioned adjacent said cross-plate whereby small gummed articles, when stored in horizontal stacks on the roughened portion of the removable cover, may be separated and slid across the smooth top of the cross-plate and in contact with said moistening element.

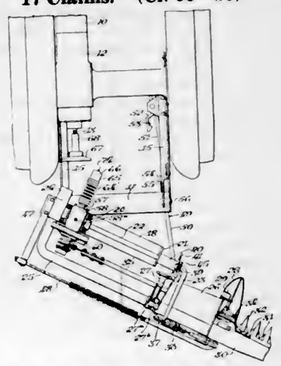
2,269,980

MOWER

Raymore D. MacDonald, Western Springs, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application June 23, 1939, Serial No. 280,736

17 Claims. (Cl. 56—25)



1. For a tractor mower including a tractor having a support and a power take-off shaft at its rear, a mower connected hingedly to the support for rearward swinging movement horizontally, means embodying a releasable connection for retaining the mower in a normal transverse cutting position, and a driven shaft on the mower: a coupler separably connecting the mower shaft and the power take-off shaft in the normal cutting position of the mower, said coupler including a member movably associated at one end with one shaft and in driving engagement therewith and having means normally engageable at its other end with and completely disconnectable from the other shaft when the mower swings back, said coupler including means resiliently supporting the member in extended position in substantial alinement with the other shaft when disconnected while the mower is swung back.

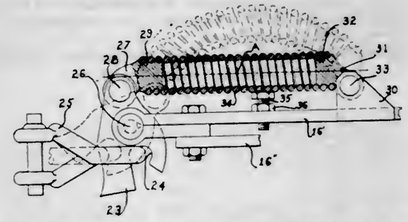
2,269,981

SPRING RELEASE HITCH

James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Original application March 26, 1940, Serial No. 326,065. Divided and this application February 10, 1941, Serial No. 378,256

6 Claims. (Cl. 280—33.16)



1. In a release hitch device for tractors, a supporting element adapted to be connected to a tractor, a latch element pivoted to the supporting element and adapted for the connection thereto of a hitch member of an implement, a buckling spring, and means for connecting the buckling spring between said two elements normally to resist relative pivotal movement therebetween, but to buckle suddenly upon a predetermined force being applied to pivot the latch element with respect to the supporting element, said connecting means including a pivotal member pivotally connected to one of said elements, and said pivotal member having a connecting portion for the spring offset with respect to the axis of pivotal connection of the member with the element to insure thereby sudden buckling of the spring.

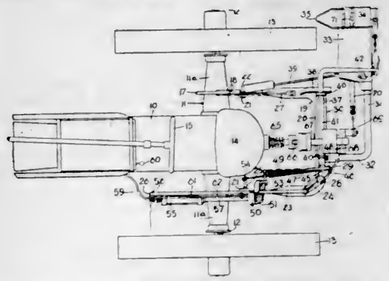
2,269,982

AGRICULTURAL IMPLEMENT

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application February 23, 1940, Serial No. 320,461

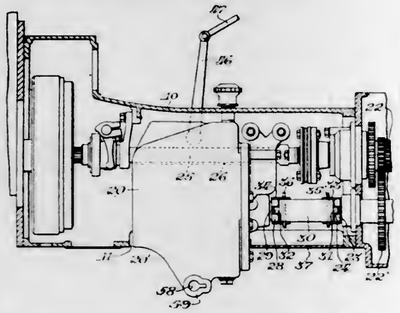
12 Claims. (Cl. 56—25)



1. In a mower attachment for a tractor, a mower connected to the tractor and including a cutter-bar mounted on a vertical pivot axis and

normally extending laterally in operative position, releasable means normally holding the cutter-bar in operative position and releasable to permit rearward swinging thereof with respect to the tractor, said cutter-bar being mounted also for vertical movement from ground position to raised position, the combination with the mower of lift means for the cutter-bar associated with the tractor and having connection with the cutter-bar for raising and lowering said cutter-bar, said connection including a first member having a sleeve and a second member having a portion fitting the sleeve to provide a pivot on a vertical axis in close proximity to the aforesaid vertical axis.

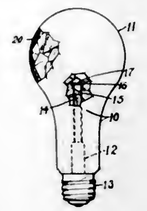
2,269,983
POWER LIFT
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 26, 1940, Serial No. 326,060
14 Claims. (Cl. 97—50)



1. In combination, a tractor having a hollow body portion and drive gear mechanism within the same, power lift means adapted to be connected to the tractor including a housing adapted to be fitted in said body portion and removed from the drive gear mechanism, means in the housing adapted to be driven, means external of said housing to which rotary movement may be supplied for driving the means in the housing, said drive gear mechanism and said external means each having a grooved face portion, opposing each other respectively, means for connecting said external means to the drive gear having projected portions for cooperation respectively with the grooved face portion, and means for retaining the connecting means in cooperative relation therewith.

2,269,984
FILTER FOR PHOTOFLASH LAMPS
Rushworth I. Munder, Springfield, Mass.
Application October 13, 1939, Serial No. 299,337
4 Claims. (Cl. 67—31)

1. In a photoflash lamp particularly for photographic purposes and comprising a glass envelope and a flash light producing charge located therein, in combination, a color filter comprising a color layer including a blue color material and a yellow color material coated on said glass envelope, said filter having its maximum transmittance for light of a wave length shorter than 500 millimicrons and a transmittance for longer wave length light decreasing in such manner that the plot of the transmittance of the filter against the wave length of light forms a smooth curve, the transmitted energy of said filter at its maximum transmittance being at least 50 percent, and the logarithmic transmittance plot of said filter having an average slope of about 30 degrees between the reciprocal of the wave



length at which said filter has its maximum transmittance and the reciprocal of the wave length of 700 millimicrons, whereby to produce from said photoflash lamp light of a character similar to that of bright sunlight.

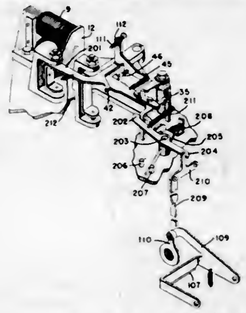
2,269,985
MANUFACTURE OF WOOD PULP
Fredrich Olsen, Alton, Ill., assignor to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware
No Drawing. Application August 12, 1938, Serial No. 224,524
6 Claims. (Cl. 92—13)

1. The process of treating wood to form pulp comprising subdividing wood into pieces of chip size or smaller and of relatively flat shape; submerging a mass of said wood pieces in water; heating the entire mass of wood pieces and liquid to the boiling point of said liquid at not less than atmospheric pressure; continuing the boiling of said submerged wood pieces in said liquid under conditions of active ebullition and vapor removal until the discharge of air ceases; thereafter terminating the boiling under conditions of active ebullition while the wood pieces are submerged in said liquid; continuing such submergence until impregnation with said liquid is complete, while maintaining the pieces in an air-excluding medium continuously from the boiling treatment to the completion of; removing the surplus impregnating liquid; submerging the wood pieces in a solution of a delignifying reagent, and maintaining such submergence until the reagent is uniformly introduced into the wood pieces by diffusion at a temperature below that of active reaction with and removal of lignin; heating the mass of wood pieces in the delignifying reagent solution to the range of temperatures at which said delignifying reagent actively reacts with and removes the lignin from the wood; and digesting the wood pieces with said reagent to form pulp.

2,269,986
HOME RECORD SUPPRESSOR
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 29, 1939, Serial No. 281,765
13 Claims. (Cl. 178—17)

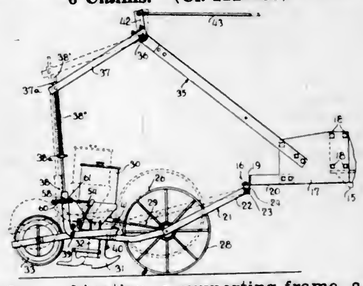
1. The combination of a signal generator, a recorder associated therewith and normally responsive thereto, and means associated with said generator and said recorder and controlled by

said generator to render all mechanism of said



recorder unresponsive to signals generated by said generator.

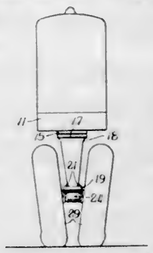
2,269,987
AGRICULTURAL IMPLEMENT
Clemma R. Raney, Riverside, and Frederick E. Hand, Canton, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 9, 1940, Serial No. 360,434
6 Claims. (Cl. 111—59)



1. In combination, a supporting frame, a substantially horizontally extending tool-carrying frame, means for connecting said tool-carrying frame to the supporting frame for vertical movement, means for lifting the tool-carrying frame including lifting connection means pivotally connected to the tool-carrying frame for pivotable movement and having a portion extending beyond its pivotal connection with the frame and adapted to lock with the frame upon pivotal movement in one direction with respect to the same, and a lifting arm so connected to the connection means and arranged as to effect the pivotal movement of the same during the lifting of the frame whereby all portions of the tool-carrying frame will be maintained substantially horizontal throughout the lifting of the same.

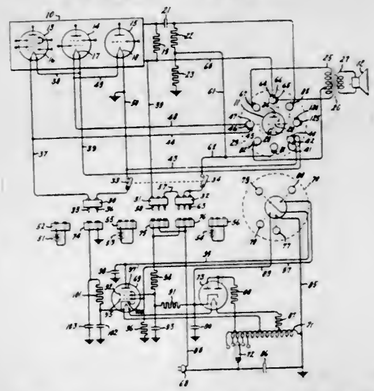
2,269,988
VEHICLE
Clifford R. Rogers, Oak Park, and William O. Bechman and Rudolph A. Holmberg, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application February 24, 1941, Serial No. 380,174
3 Claims. (Cl. 280—96.1)

1. A front truck for a tricycle type tractor, comprising an upright standard having a flange disposed transversely of its lower portion, said flange having openings formed therein, an axle member comprising a central portion and a pair of opposite transverse spindles, said central portion being formed with a transverse flange having openings therein and a transverse rib integral with and generally at right angles to said flange,



means passed through the openings in the flanges of the axle and standard for rigidly securing the two together, and a pair of wheels carried respectively by the spindles.

2,269,989
ELECTRON DISCHARGE APPARATUS
Charles S. Root, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 24, 1940, Serial No. 337,049
11 Claims. (Cl. 250—27)



10. The combination, with an electric circuit, of means to perform a switching operation in said circuit, said means comprising an electron discharge device having a contact pin connected to an electrode therein, and a socket for said device, said socket having a receptacle for said pin and a plurality of contacts adjacent thereto and insulated from each other, said contacts being connected in said circuit and arranged to connect portions thereof through said pin upon insertion of said device into said socket.

2,269,990
POLYVINYL HALIDE COMPOSITION
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 8, 1940, Serial No. 339,528
9 Claims. (Cl. 260—36)

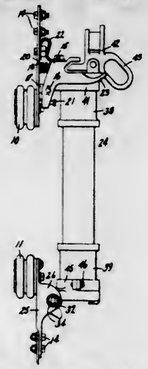
1. A composition comprising polyvinyl halide and a methyl chlor stearate having at least 3 chlorine atoms in the molecule.

2,269,991
HIGH FREQUENCY TRANSMISSION LINE
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 8, 1940, Serial No. 322,971
12 Claims. (Cl. 178—44)



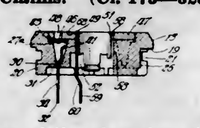
1. An electric transmission line for transmitting high frequency electric waves comprising a pair of juxtaposed conductors having supports introducing electrical discontinuities at spaced intervals along the length of at least one of said conductors, each portion of said line lying between adjacent supports having uniform electrical characteristics throughout its length, the various successive portions of said line lying between adjacent discontinuities having electrical characteristics varying from one portion to another according to a logarithmic relationship.

2,269,992
ELECTRIC SWITCH
Emil Scheuermeyer, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application June 3, 1941, Serial No. 396,424
5 Claims. (Cl. 200—166)



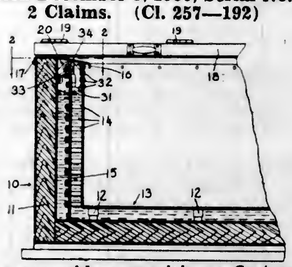
1. In an electric switch, a supporting structure having spaced terminals, a switching element pivoted on said structure so as to be swingable to and from closed position between said terminals, a hinge bolt secured to said supporting structure, a hinge nut rotatably arranged on said bolt supporting said switching element and movable therewith, a compression member arranged in an operative relation to said nut so as to be compressed by said nut as said switching element is moved in a predetermined direction.

2,269,993
SOCKET
Arthur J. Schmitt, Chicago, Ill.
Application August 7, 1939, Serial No. 288,752
2 Claims. (Cl. 173—328)



1. In a socket of the class described, a molded insulating body having a downwardly decreasingly tapered passage therein, said passage being wedge-shape in vertical cross-section at its upper end and terminating in a slot at its lower end, a one-piece sheet metal contact member in said passage having a tail passing through said slot and a flat portion at its upper end transverse to said tail, said contact member being bent obliquely between said tail and said upper flat portion to conform somewhat to the taper of the passage, a perforation in said flat portion, and means for retaining said contact member from accidental removal from said passage.

2,269,994
COOLER CONSTRUCTION
Leonard B. Sperry, Western Springs, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 8, 1939, Serial No. 308,263
2 Claims. (Cl. 257—192)



1. In an assembly comprising a first open container adapted to contain a cooling fluid, a second open container positioned within the first container and adapted to contain articles to be cooled, and a device for cooling the cooling fluid positioned between the containers and extending to a point near the open end of the containers, the combination therewith of means for holding the second container within the first container against the buoyant force of the cooling fluid, said means comprising a bracket secured to the inside of the first container adjacent its open end alongside the device and extending up over the device toward the second container, a second bracket secured to the outside of the second container adjacent its open end and extending toward the first container up over the device toward the first container in overlapping relationship with the first bracket, and a member passing through the overlapping portions of the brackets.

2,269,995
SMOKING ARTICLE
Raymond Trane, Omaha, Nebr.
Application April 26, 1940, Serial No. 331,873
1 Claim. (Cl. 131—9)



A cigarette comprising an outer tubular paper covering and an inner enclosed body of tobacco, a relatively rigid mouthpiece on one end of the cigarette, there being a series of spaced circumferentially arranged perforations extending through the wall of the paper covering in close proximity to said mouthpiece, the edge of said mouthpiece remote from the mouth end of the cigarette being formed with cut-out portions in alignment with and forming extensions of said perforations, said perforations admitting air to the interior of the cigarette during smoking thereof and providing a tear-off line whereby the mouthpiece may be wholly removed from the covering and discarded.

2,269,996
ELECTRIC FENCE POST
Daniel Milton Webster, Churchs Ferry, N. Dak.
Application February 4, 1941, Serial No. 377,390
1 Claim. (Cl. 174—45)



An electric fence post comprising an elongated member formed of bendable material and having its lower end shaped to provide an auger for penetrating the ground when the post is rotated, the upper end of the member being pointed, a substantially U-shaped crimp formed in an upper portion of the member and extending horizontally, an insulator having an opening therein through which the upper part of the member passes with a portion of the insulator resting on the upper horizontal limb of the crimp and a second horizontal crimp formed in the member above the insulator with the lower limb of the last-mentioned crimp engaging the top of the insulator.

2,269,997
N-SULPHONYLALKYLENIMINE POLYMERS
Gerard J. Berchet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 9, 1939, Serial No. 260,864
7 Claims. (Cl. 260—2)

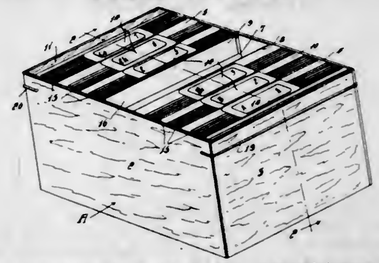
4. A polymerization product of a monomeric N-sulphonyl derivative of an ethylenimine wherein a monovalent hydrocarbon radical is attached thru the sulphonyl radical to the ethylenimine nitrogen.

5. An interpolymer of a monomeric N-sulphonyl derivative of an ethylenimine wherein a monovalent hydrocarbon radical is attached thru the sulphonyl radical to the ethylenimine nitrogen with a polymerizable ethylenimine containing only carbon, hydrogen and nitrogen.

2,269,998
PROCESS
Edward Peter Czerwin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1940, Serial No. 316,640
5 Claims. (Cl. 260—406)

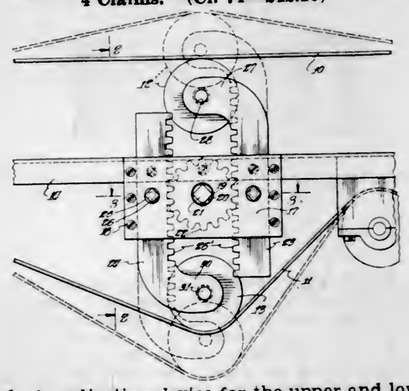
1. Process of preparing dicarboxylic acids of eleven and twelve carbon atoms, which comprises oxidizing an ester of 12-hydroxystearic acid with nitric acid.

2,269,999
DEMONSTRATION CARD FILE
Robert S. Daniel, New York, N. Y., assignor of one-half to John J. Duffie, New York, N. Y.
Application July 10, 1940, Serial No. 344,804
1 Claim. (Cl. 35—24)



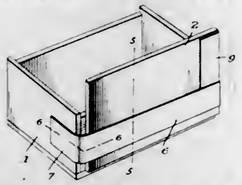
A demonstration card file, comprising a bottom member, a pair of front and rear longitudinally spaced collapsible members, hinged thereto, said members having their top portions suitably marked to designate aphabetical divisions and the upper edges of cards, hinged side members provided on their inner faces adjacent their upper edges with longitudinal ribs or strips adapted to engage the opposite ends and top portions of the front and rear collapsible members when the latter are in upright position and elastic cords fastened to the corners of the side members and adapted to extend across the ends of the collapsible members.

2,270,000
BELT ADJUSTING DEVICE
Hugo M. Danker, Oak Park, Ill.
Application May 10, 1940, Serial No. 334,458
4 Claims. (Cl. 74—242.10)



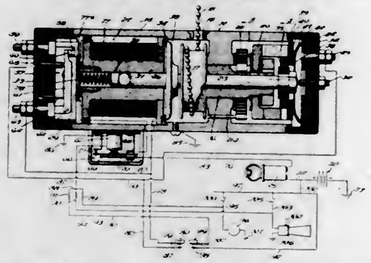
1. An adjusting device for the upper and lower runs of a belt, comprising at least one support between the runs, at least one housing carried by said support, a gear rotatable in said housing, a pair of vertical racks in said housing engageable with opposite sides of said gear for simultaneous actuation thereby in opposite directions, anti-friction means on the upper end of one rack for engagement with the upper run of said belt, like anti-friction means on the lower end of the other rack for engagement with the lower run of said belt, a closure plate for one side of said housing, said plate including means maintaining said racks in operative engagement with said gear, and said closure plate being readily removable to permit individual removal of each rack and presetting thereof with respect to its belt run.

2,270,001
CIGAR BOX
Fred Charles Foley, Buffalo Ridge, Va., assignor of one-half to George H. Hutaff, Jr., Wilmington, N. C.
Application September 19, 1939, Serial No. 295,673
4 Claims. (Cl. 217—58)



1. A box including a body, a lid or cover, a flexible strip connected to the lid or cover and to the body with a free portion therebetween, said free portion permitting the lid or cover to be normally positioned horizontally to close the body or to be raised into vertical position and then lowered with respect to the body, a strip secured to and carried by the lid or cover and having normally free projecting end portions, and means receiving said free end portions to normally hold them parallel with a face of the lid or cover, said free end portions being removable from the holding means to be positioned to be secured to the body when the lid or cover is in its lowered vertical position.

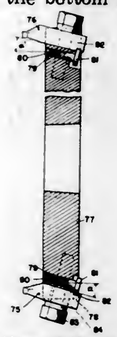
2,270,002
SPEED CONTROL MECHANISM
Edward G. Glick, Chicago, Ill., assignor of one-half to Rembe McCormick, Chicago, Ill.
Application July 7, 1939, Serial No. 283,306
22 Claims. (Cl. 192—3)



1. Speed-setting mechanism for the accelerator of an automobile comprising electrical means for holding said accelerator in the position to which it is actuated, said means being normally inactive in the movements of the accelerator, controllable means by which said electrical means are rendered active, and means comprising a single switch device by which said first-named means are restored to inactive condition in which said accelerator is operable free of restraint from said first-named means.

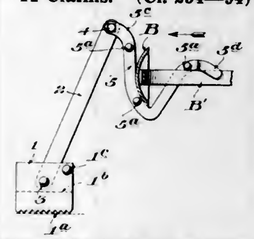
2,270,003
GEAR CUTTER
Ernest C. Head, Detroit, Mich., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich., a corporation of Michigan
Application March 2, 1936, Serial No. 66,672
16 Claims. (Cl. 29—105)

5. A face mill gear cutter for generating gears comprising a rotary head and a plurality of annularly arranged cutting blades secured thereto and extending in the direction of the axis of rotation of said head, said blades having side cutting edges thereon consisting of a top portion and a bottom portion, the bottom portion extending



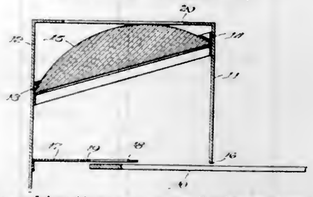
for the greater portion of the height of the blade and having a straight profile of positive pressure angle, and the top portion extending at a different and lesser pressure angle.

2,270,004
AUTOMOBILE JACK
John E. Hines, Rochester, Minn.
Application June 9, 1941, Serial No. 397,300
11 Claims. (Cl. 254—94)



1. An automobile jack for raising a wheel of a vehicle body, comprising a base; a lifting bar swingably mounted thereon, means on the base for normally supporting the bar in an inclined position and a bracket pivotally secured to the lifting bar and adapted to be mounted on an end of said vehicle body, whereby when so mounted and the vehicle is bodily shifted towards the base the lifting bar will be swung into substantially raised position; said bracket when so mounted limiting the swinging movement of the bar away from its normal position.

2,270,005
VIEWING DEVICE
Felix Jansey, Chicago, Ill.
Application December 2, 1939, Serial No. 307,325
3 Claims. (Cl. 88—1)

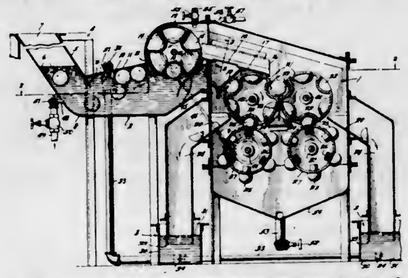


1. In combination: a curved planar scale; and a plano-convex lens mounted in front of said scale with its plane surface angularly arranged with respect to the plane of the scale, whereby the curved portion of the same may be viewed through said lens, said lens causing refraction of the rays of light reflected from said viewed portion to cause said portion to appear substantially straight to the eye instead of curved.

2,270,006
SEALING POROUS FORMATIONS
Harvey T. Kennedy, Forest Hills, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application April 17, 1937, Serial No. 137,585
7 Claims. (Cl. 166—22)

3. A method of sealing porous water-containing formations adjacent oil and gas wells, which comprises injecting into the formations a compound of a polyvalent metal the oxides and hydroxides of which are substantially insoluble in water, said metal carrying at least one OR group the oxygen atom of which is directly attached to the metal atom and wherein R is selected from the class consisting of alkyl and aryl groups; whereby an insoluble sealing mass is produced in the porous formations by reaction of water with said compound.

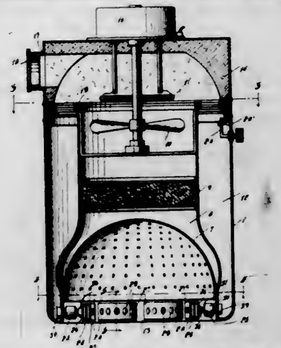
2,270,007
APPARATUS FOR EXTRACTING FRUIT AND VEGETABLE JUICES
Ronald B. McKinnis, Winter Haven, Fla., assignor to Sunshine Foods, Inc., Winter Haven, Fla., a corporation of Florida
Application January 22, 1940, Serial No. 315,118
15 Claims. (Cl. 99—239)



1. In an apparatus for extracting juice from vegetables and fruits, an extracting chamber filled with an inert gas, means in said extracting chamber to extract the juice from the fruits or vegetables, a substantially U-shaped liquid seal communicating with the extraction chamber, and means creating a flow of liquid in the seal to carry the fruits or vegetables through the seal.

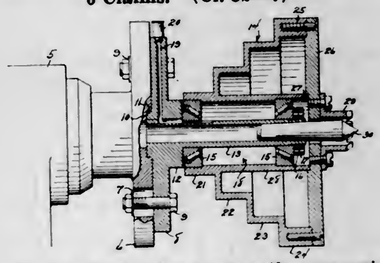
2,270,008
APPARATUS FOR DRYING HAIR
Herbert Edgar Miller, Cincinnati, Ohio
Application April 13, 1940, Serial No. 329,545
2 Claims. (Cl. 34—100)

1. An apparatus for drying hair, comprising spaced inner and outer walls connected together at their lower ends, said inner wall forming a central air passage, a cover for said inner and outer walls having a passage-way therein communicating with said central air passage and the space between the inner and outer walls, a hollow perforated dome shaped member, mounted in the lower end of the central air passage and adapted to be placed over the head, a fan mounted in the central air passage over the hollow dome shaped member to draw the air upwardly through the latter and cause the air to then flow downwardly through the space between the inner and outer walls, a heating element disposed above the fan, hollow circumferentially spaced adjustable air



flow directors, extending through the lower end of the inner wall and directing the flow of the warm air inwardly toward the head, said air flow directors comprising inner and outer telescopic sections, one of said sections having peripheral openings communicating with the lower end of the central air passage below the perforated dome shaped member.

2,270,009
LATHE ATTACHMENT
Joseph J. Rath, Chicago, Ill.
Application May 20, 1940, Serial No. 336,243
6 Claims. (Cl. 82—7)

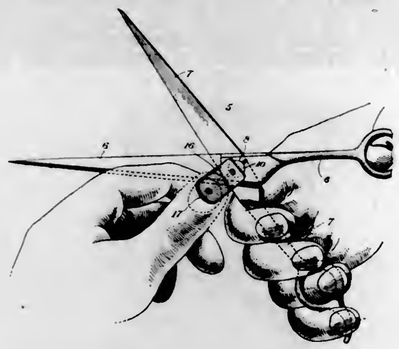


1. An attachment for metal lathes comprising, a disc adapted to be attached to the face plate of said lathe, means for centering said disc on said face plate, a hollow tubular spindle projecting centrally from said disc, a step cone pulley mounted on said spindle, and work supporting means adapted to be attached to one face of said pulley to be rotated at variable speeds thereby.

2,270,010
SHEAR CONSTRUCTION
Edward G. Rankin, Dorrance, Kans.
Application November 7, 1939, Serial No. 303,295
3 Claims. (Cl. 30—266)

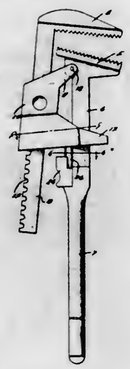
1. A device of the character described, comprising, a pair of cutting blades, a screw pivotally connecting said blades together and fashioned with a kerf, one of said blades being fast to said screw and the other of said blades fitted to move relative to said screw and fashioned with a plurality of grooves extending from said screw, a pair

of said grooves adapted for alignment with said kerf to form a tool slot whereby to receive a



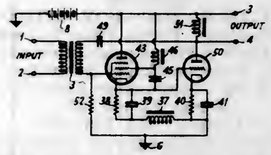
tool for adjusting said screw upon relative movement of said blades.

2,270,011
WRENCH
Charles E. Schilling, Willcox, Ariz.
Application December 26, 1940, Serial No. 371,743
2 Claims. (Cl. 81—102)



1. In a wrench of the character described, a shank provided with a jaw at one end, a jaw complementing the first-named jaw and having an integrally formed shank, a sleeve pivoted adjacent one end thereof to the shank of the first-named jaw and embracing the shank of the second-named jaw; means mounted within said sleeve and engageable with the shank of the second-named jaw for securing the jaws at the desired relative position of adjustment; said means including a spring-biased element having an end projecting outwardly of said sleeve for engagement with the shank of the first-named jaw incidental to a biasing of said sleeve towards the first-mentioned jaw to effect a release of the shank of the second-named jaw; and interengaging means on the shank of the first-named jaw and on said sleeve for arresting movement of the sleeve on its pivot towards the first-named jaw whereby to prevent accidental releasing of the second-named jaw.

2,270,012
DISTORTION REDUCING CIRCUITS
Francis H. Shepard, Jr., Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 31, 1936, Serial No. 71,941. Divided and this application March 27, 1940, Serial No. 326,180
11 Claims. (Cl. 179—171)



2. In amplifying apparatus, a driver tube having an anode, a cathode, and a signal grid electrode, a driven tube provided with an anode, a cathode and a signal grid electrode, an input circuit for said first tube including an input impedance, a condenser, a first output impedance, a source of space current and a second output impedance connected in series between the grid electrode of the first tube and the cathode thereof, an output circuit for said first tube comprising a connection including the source of space current and said second output impedance in series between the anode and the cathode of the first tube, an input circuit for said driven tube comprising a connection including the said second output impedance between the grid electrode and the cathode of the driven tube and an output circuit for said driven tube including said first output impedance and the source of space current in series connected between the anode of the driven tube and the cathode thereof.

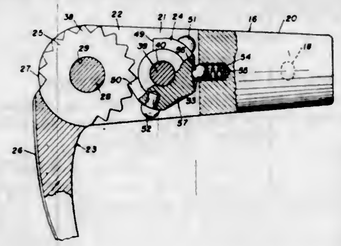
2,270,013
COVERED ARC WELDING ELECTRODE AND PROCESS OF MAKING THE SAME
George M. Smith, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 3, 1940, Serial No. 350,406
14 Claims. (Cl. 219—8)



1. An electrode for electric arc welding, comprising a metal rod, a covering extruded thereon, a wire impressed in said covering in contact with said rod and having its outer surface free from extruded covering material for electrical contact to supply welding current to the rod, and means applied to the outer surface of the covering to strengthen the covering and hold it in place against stress in handling and from said wire.

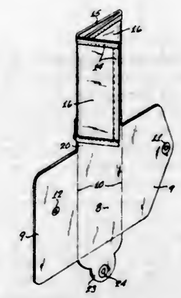
2,270,014
BODY JACK ATTACHMENT
George M. Walraven, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis.
Application August 4, 1939, Serial No. 288,307
5 Claims. (Cl. 254—100)

1. In a portable jack, the combination with longitudinally displaceable members, of means for causing the relative displacement of said members, work engaging means detachably associated with the ends of said members, one of said work engaging means including an angularly adjustable ratchet wheel, and means including a ratchet pawl for retaining said work engaging



means in its selected adjustable position to carry a load.

2,270,015
COMBINED KEY CASE AND DOCUMENT HOLDER
Denver M. Wright, Brentwood, Mo.
Application January 24, 1940, Serial No. 315,323
1 Claim. (Cl. 150—35)

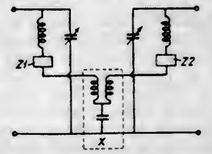


In a combined key case and holder for foldable documents, an outer case having a middle section and side wings foldable over said middle section, a document holder foldable with the foldable document, said document holder having a middle section to receive the middle portion of the document and a pair of side wings extending from opposite sides of the middle section of said document holder to receive the side portions of the document, said side wings of the document holder being foldable to lapped positions at the front of the middle section of said document holder, so as to fold and conceal the document, the last mentioned side wings being normally folded and concealed between the middle sections of said case and document holder, the rear face of said middle section of the document holder being exposed when its folded side wings are confined between the two middle sections, a key holder secured to and extending from said exposed rear face of the middle section of the document holder, and a marginal hinge connecting said middle section of the document holder to the middle section of said case, the side wings of said case being foldable over said rear face of the middle section of the folded document holder to cover the key holder on said rear face, and all of the elements of said key holder and document holder being movable as a unit about the axis of said hinge to simultaneously shift said key holder and release the folded document holder.

2,270,016
THE USE OF GAS HYDRATES IN IMPROVING THE LOAD FACTOR OF GAS SUPPLY SYSTEMS
Matthew E. Benesh, Cicero, Ill., assignor to Chicago By-Products Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 25, 1938, Serial No. 209,979
10 Claims. (Cl. 48—190)

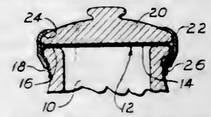
1. The method of improving the load factor of a fuel gas supply system which comprises taking gas consisting chiefly of hydrocarbons in excess of current demand from the system during periods of low load, bringing the gas into direct intimate contact with a quantity of water sufficient in amount and under temperature and pressure conditions to form a solid hydrocarbon hydrate, storing the solid hydrate separately of said system, applying heat to the solid hydrate to regasify said hydrate when the supply of gas in the system is inadequate to satisfy the current demand during periods of high load, and returning the regenerated gas to the system for distribution to supplement the current supply of gas.

2,270,017
TUNED CIRCUITS
Joseph Douglas Brailsford, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,277
In Great Britain September 5, 1938
6 Claims. (Cl. 250—20)



1. A band-pass preselector circuit comprising two tuned circuits, fixed coupling means between said circuits, and correcting circuit means having the inherent characteristic of decreasing in resistance with increase in frequency included in at least one of said tuned circuits, whereby as the frequency of the circuits is reduced the effective resistance of said tuned circuit increases whereby to maintain the selectivity substantially constant over the tuning range, said correcting circuit means consisting of a network comprising inductance, capacity and resistance.

2,270,018
CLOSURE
Joseph C. Davis, Mamaroneck, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application November 1, 1940, Serial No. 363,796
1 Claim. (Cl. 215—38)



An article of manufacture comprising a container having a mouth in the top thereof, a sheet of moistureproof material disposed over the mouth of the container and extended downwardly around the side of the container to form a skirt portion, a rigid substantially disc-shaped

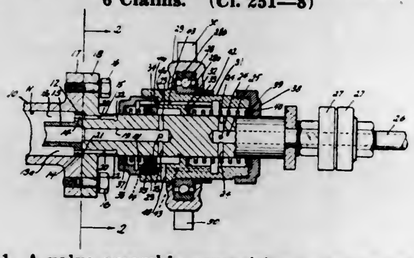
top for the container disposed over the said sheet over the mouth of the container, and an endless band of water-swellable material which shrinks upon drying shrunk into tight contact with the periphery of the top and the said skirt portion of said sheet to simultaneously clamp the top onto the container and provide a tight seal between the container and said sheet, the said skirt portion extending below the lowermost edge of the water-swellable band, whereby moisture from the contents of the container is prevented by the moistureproof sheet from contacting and swelling the band in the event exudation of moisture from the interior of the container occurs.

2,270,019

ROTARY REVERSING VALVE ASSEMBLY

Thomas L. Fawick, Akron, Ohio

Application July 28, 1939, Serial No. 286,999
6 Claims. (Cl. 251—8)



1. A valve assembly comprising a core mounted for rotation and formed with at least three fluid passages each opening upon its radially outer surface, a valve casing mounted on said core to rotate therewith but slidable axially thereon, said casing being formed with a passage of such proportions as to be in communication with one of the core's passages when the casing is shifted to bring its passages into communication with the other two core passages selectively, and means for so shifting the casing during its rotation.

2,270,020

COVERED WELDING ELECTRODE

William T. Graham, Elm Grove, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

No Drawing. Application November 27, 1939, Serial No. 306,293
8 Claims. (Cl. 219—8)

1. A coil of welding electrode disposed on a reel for progressive unwinding during continuous arc welding operations and comprising a metal rod having a substantially concentric baked covering thereon of the extruded compact type, and means on the outside of said covering to substantially preserve its concentricity during reeling and for preventing spalling of the covering during subsequent unreeling.

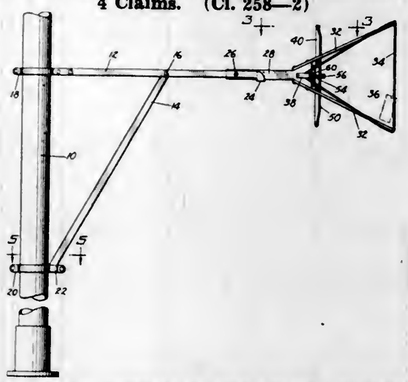
5. The method of protecting an extruded covering on a metallic arc welding electrode from checking and cracking during handling subsequent to the extrusion operation which comprises applying a very thin, tight wrapping of strong porous material preferably in tape form to the outer surface of the covering immediately after the extrusion thereof, progressively winding the electrode on a reel, and subsequently baking the electrode to decrease its moisture content, said wrapping allowing the escape of moisture during baking and providing support for the surface of the covering to prevent its checking during reeling, baking and subsequent handling, without materially altering the characteristics of the covering in welding.

2,270,021

MESSAGE DELIVERY DEVICE

William R. Hall, Kingsville, Ontario, Canada

Application November 16, 1940, Serial No. 365,881
4 Claims. (Cl. 258—2)



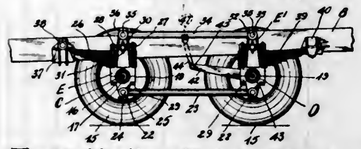
4. A train message delivery device comprising, in combination, a cord carrying fork having a cord catch at its closed end, a second cord carrying fork having a cord catch at its closed end, said second fork being hingedly supported within the first fork for swinging movement from a position substantially within the plane of the first fork to a position substantially normal to the plane of the first fork, a message delivery cord releasably strung on each fork, each cord releasably engaged by the cord catch on the fork and extending along the two arms of the fork and across the open end between the two arms, a spring connecting the two forks urging the second fork to its position within the plane of the first fork, a tripping lever mounted on the base of one fork, a lever engaging part mounted on the base of the other fork, said lever adapted to releasably engage said part to releasably hold the second fork at its position substantially normal relative to the first fork counter the urging of said spring, said cord strung on the first fork being engaged with the lever and adapted upon withdrawal of the cord from the first fork to trip the lever to release the second fork to the urging of the spring.

2,270,022

MOTOR VEHICLE

Edward T. Price, Cadillac, Mich., assignor to Cadillac Malleable Iron Company, Cadillac, Mich.

Application September 15, 1939, Serial No. 295,018
6 Claims. (Cl. 280—124)



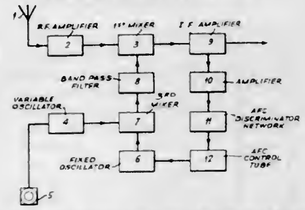
1. The combination with a parallel link connection between spaced apart rear axles below a vehicle frame; said link connections comprising vertically disposed arms pivotally mounted on the axles at a point intermediate their height; parallel links connecting said arms above and below said axles; a spring suspension means for said axles, said means being anchored to said arms at points above the pivotal connection to the axles and extending in opposite directions forwardly and rearwardly.

2,270,023

SUPERHETERODYNE RECEIVER

John Forrest Ramsay, Chelmsford, and Arthur Leonard Oliver, Wimbledon Park, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application March 1, 1939, Serial No. 259,126
In Great Britain March 4, 1938
6 Claims. (Cl. 250—20)



1. In the method of superheterodyne reception, the steps which consist in selecting oscillations of the received signal wave, deriving oscillations from a local source of variable frequency, deriving other oscillations from a local source of fixed frequency, first mixing the oscillations from said local sources and then mixing the resultant oscillations with the selected received signal oscillations to produce oscillations of an intermediate predetermined frequency, mixing the latter oscillations with those of the fixed frequency source to produce oscillations of another intermediate frequency and utilizing a control voltage derived from both of said intermediate frequency oscillations to control and maintain constant the oscillations produced by the local source of fixed frequency.

2,270,024

EMULSIONS OF THE INTERPOLYMERIZATION PRODUCT OF 2-ETHYL HEXYL METHACRYLATE AND METHYL METHACRYLATE AND TEXTILE FABRICS TREATED THEREWITH

Archibald Renfrew and William Elliott Frew Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 8, 1938, Serial No. 228,920. In Great Britain September 29, 1937
3 Claims. (Cl. 260—32)

2. An aqueous dispersion of the resin obtained by the interpolymerization of from 40% to 95% 2-ethyl hexyl methacrylate and from 60% to 5% methyl methacrylate.

2,270,025

SELF-INDICATING SODA LIME

John R. Ruhoff, Normandy, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application June 12, 1940, Serial No. 340,133
24 Claims. (Cl. 23—2)

11. A composition of matter for absorbing carbon dioxide comprising an alkaline carbon dioxide absorbent and a small proportion of a substance which changes color at a pH between 11 and 14.5, which substance will retain its color-changing characteristics in contact with the ingredients, and will not become oxidized or reduced under normal conditions, said composition visually indicating when its ability to absorb carbon dioxide has been materially decreased.

2,270,026

CATALYTIC TREATMENT IN STAINLESS STEEL APPARATUS

Robert P. Russell, Millburn, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 19, 1939, Serial No. 291,041
2 Claims. (Cl. 196—133)

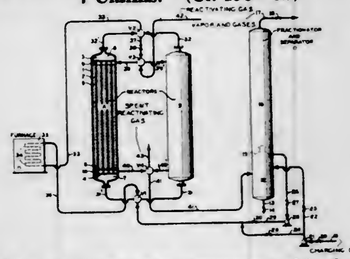
1. In the catalytic treatment of hydrocarbon oils in apparatus constructed of the 25 chromium-20 nickel type stainless steel and in the presence of a catalyst which requires periodic regeneration to restore its activity, said regeneration being effected by burning off the coke deposited on the catalyst by passing hot gases containing oxygen therethrough, the method of preventing the formation of iron carbonyl by interaction of carbon monoxide formed in the regeneration with the iron of the steel alloy which comprises constructing those portions of the apparatus exposed to the hot gases during regeneration of steel containing from 24 to 26% chromium, 19 to 21% nickel, between 0.2 and 2% of silver and the balance iron and small amounts of carbon and other elements which do not interfere with the effect of the silver on the steel.

2,270,027

HYDROCARBON CONVERSION PROCESS

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

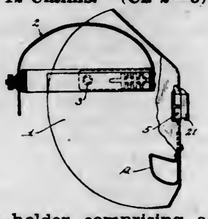
Application November 29, 1939, Serial No. 306,652
7 Claims. (Cl. 196—52)



4. A process for the conversion of hydrocarbon oil which comprises passing reactants, formed as hereinafter described, in contact with the exterior of an exothermic reaction zone to absorb heat produced in regenerating catalyst contained therein, subsequently subjecting the heated reactants, while at conversion temperature, to contact with the exterior of an endothermic reaction zone to supply heat of conversion to the materials subjected to contact with catalyst contained therein, thereafter subjecting said reactants to contact with the catalytic material in said endothermic reaction zone as the materials to be converted, separating the conversion products from said endothermic reaction zone into vaporous conversion products and non-vaporous liquid residue, recovering the latter, fractionating said

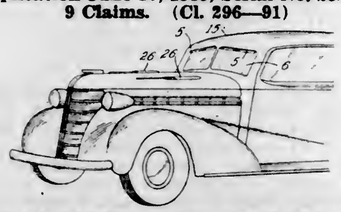
vaporous conversion products in the presence of charging oil to separate fractionated vapors boiling in the range of gasoline from higher boiling hydrocarbons, recovering the former, condensing said higher boiling hydrocarbons as reflux condensate in the fractionating zone and subjecting it to treatment as the reactants, as hereinbefore set forth.

2,270,028
WELDER'S MASK
Marshall N. Anderson, Chicago, Ill., assignor to Sellstrom Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 12, 1939, Serial No. 278,717
12 Claims. (Cl. 2—8)



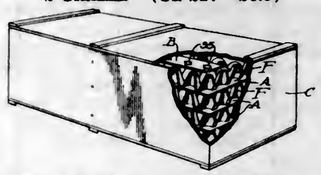
12. A lens holder comprising a main frame having a relatively wide surface adapted to substantially conform to the outer margin of a sight opening in a welder's mask, an inner frame adapted to extend outwardly through said sight opening and snugly telescope said main frame and having a flange complemental to said surface to engage the inner margin of said sight opening, means for rigidly clamping said frames together with said flanges in fixed spaced relation so that the marginal edges of said sight opening are in non-clamped relation therebetween, an inturned flange adjacent the outer end of said main frame and positioned for engagement by said inner frame to maintain said flanges in predetermined spaced relation greater than the thickness of said mask, a lens mounted in said inner frame, and a lens mounted on said main frame in spaced relation to said first lens, resilient means for removably securing said first lens and additional resilient means for removably securing said second lens.

2,270,029
DEFLECTOR
Edwin Bagnall, Chicago, Ill., assignor of one-fourth to Martin Tanner, Chicago, Ill.
Application June 30, 1939, Serial No. 282,100
9 Claims. (Cl. 296—91)



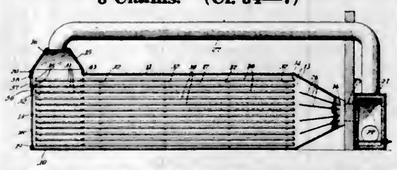
2. A windshield or other glazed vision opening protector for automotive vehicles and the like comprising a rotary air current generating member passing in front of the glazed opening to be protected and setting up an air current column directed outwardly and away from the glass substantially at right angles thereto, the extremities of said member describing an area larger than the opening to be protected, a motor connected to said member for rotating said member, and means for securely mounting said member and motor as a unit near one edge of the glazed opening of the vehicle.

2,270,030
FILLER PACKAGE
Leon Benoit, New York, N. Y.
Application August 12, 1938, Serial No. 224,485
2 Claims. (Cl. 217—26.5)



1. A cellular holder open at the top and having a plurality of rows of upwardly tapering pillars having flattened upper ends, an elongated cushion pad having a row of apertures intermediate its opposed longitudinal edges frictionally receiving the upper end portions of the pillars of one row thereof and with the upper surface of the pad flush with the surfaces of said flattened upper ends, the opposite edge portions of the pad being freely suspended over the cells in said holder and in spaced relation to adjacent rows of pillars.

2,270,031
METHOD OF DRYING FLOOR COVERINGS AND OTHER FABRICS
Edward E. Biby and George Brown, Los Angeles, Calif., assignors of one-third to William Miller, Los Angeles, Calif.
Application March 18, 1940, Serial No. 324,600
8 Claims. (Cl. 34—7)

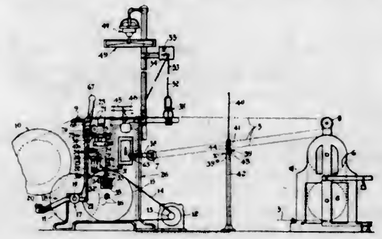


8. The method of drying fabric materials having a nap on one side only by utilizing an enclosed space which comprises: supporting the wet fabric flatwise in the space; circulating a drying heating medium in the space, in contact with the back of the fabric only; and shielding the nap side of the material from the heat sufficiently for the back of the fabric to dry more rapidly than the nap.

2,270,032
WARP BEAMING MACHINE
William V. Boyd, Cornwall, Ontario, Canada, assignor to Canadian Cottons Limited, Montreal, Quebec, Canada
Original application April 6, 1939, Serial No. 266,431. Divided and this application December 6, 1940, Serial No. 368,897
3 Claims. (Cl. 28—51)

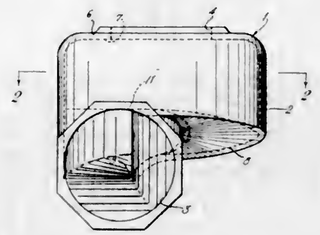
1. The combination with a warp beaming machine and its driving motor of a pair of guide pins passing slidably through openings provided in a frame member of said machine, a cross bar carried by said pins at one side of said frame member, springs encircling said pins between said cross bar and said frame member and normally serving to hold the cross bar at a predetermined distance from said frame member, a normally

open switch comprising a stationary contact carried by said frame member and a cooperating movable contact carried by said cross bar, said pins being provided with warp engaging means through the agency of which the pins are moved



to a switch closing position against the resistance of said springs when the tension on the warp exceeds a predetermined value and means functioning in response to closure of such switch to disrupt the drive connection between said machine and motor.

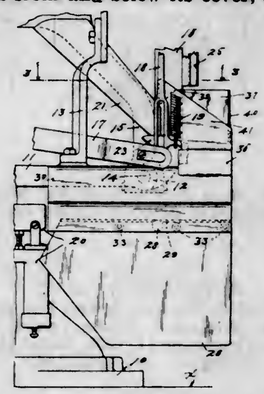
2,270,033
NOZZLE
Clifford H. Carr, Kansas City, Mo.
Application January 30, 1939, Serial No. 253,611
3 Claims. (Cl. 299—114)



1. A spray nozzle of the type described comprising means forming a cylindrical whirl chamber, a plane end wall perpendicular to the axis of said whirl chamber and having a circular discharge orifice opening concentric with said axis, a helical end wall closing the opposite end of said whirl chamber, an inlet tangent to and merging into the intersection of said whirl chamber and the beginning of said helical wall, the pitch of said helical wall being substantially equal to the dimension of said inlet measured in a direction parallel to the axis of said outlet and said latter wall terminating at, and flush with, the inner side of said inlet, the cross sectional area of said outlet being at least as great as the cross sectional area of the smallest passage of said inlet.

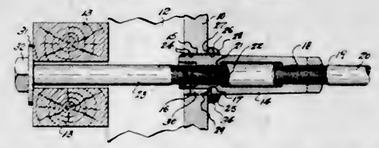
2,270,034
WASTE METAL CATCHER FOR TYPE CASTING MACHINES
George L. Curie, Minneapolis, Minn.
Application May 12, 1941, Serial No. 393,030
12 Claims. (Cl. 199—59)

1. A waste metal catcher for a type casting machine comprising a receptacle, a cover for the receptacle applicable to said machine in an elevated position, said receptacle being removably suspended from and below its cover, and means



for directing waste metal from the machine through the cover and into the receptacle.

2,270,035
RETAINING MEANS FOR CONCRETE FORM WALLS
Samuel S. Colt, West Orange, N. J.
Application November 8, 1940, Serial No. 364,812
1 Claim. (Cl. 25—131)

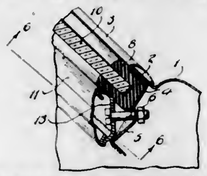


In retaining means for concrete forms, a removable cone coupler element internally screw threaded adjacent its inner end portion to engage a tie rod and internally screw threaded adjacent its outer end portion to engage a form clamping bolt, the outer end portion of said cone coupler element terminating in a cylindrical portion having a segmental section cutaway from at least one side thereof to provide a flat face on such side and a shoulder at the inner end of said face, and a detachable spreader collar to engage over said cylindrical portion, said collar having a web intersecting the opening thereof whereby said opening is conformable to the cross-sectional shape of the outer end portion of said cone coupler element, said web being adapted to abut both said shoulder and said flat face of the coupler element outer end portion to hold the same against inward and rotative displacement relative to said coupler element.

2,270,036
BACK WINDOW INSTALLATION
James L. Conlon, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1939, Serial No. 299,667
1 Claim. (Cl. 296—145)

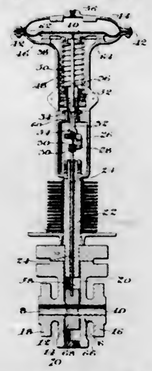
A window installation having in combination with an outside window stop and a window seat, a glass panel, a deformable rubber weatherstrip surrounding the edge of the panel, a frame having beaded edges spaced from the rubber and a heavy portion bearing against the inside of said weatherstrip, means for forcing the frame into the weatherstrip and the weatherstrip

against the window stop and a garnish molding



arranged to snap over the beaded edges of the frame to be held in place by spring action.

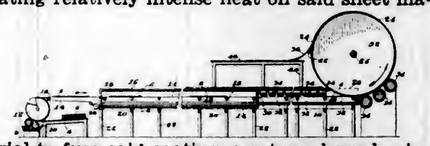
2,270,037
REVERSIBLE VALVE
Elbert A. Corbin, Jr., Lansdowne, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.
Application December 11, 1939, Serial No. 308,536
1 Claim. (Cl. 137—153)



A valve construction of the character stated comprising a fitting having an elongated chamber formed therein and a through opening transversely intercepting said chamber, an elongated valve piston reciprocable in said chamber and having a transverse through opening therein, said opening and the body portions of said valve piston to either side thereof being adapted to be brought into or out of complete or partial registration with the opening in said fitting, a valve stem connected to said valve piston, an actuating arm, a spring operatively connected to said arm for constantly urging it in one direction, a pressure actuated diaphragm adapted to actuate said arm in the opposite direction, and a yoke having one limb thereof fixedly connected to said actuating arm and the other limb thereof adjustably connected to the juxtaposed end of said valve stem, the length of said chamber to either side of the transverse opening in said fitting and the range of adjustment between said yoke and said valve stem each being equal to at least one-half of the overall length of said valve piston.

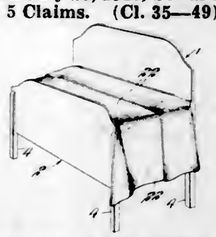
2,270,038
APPARATUS FOR PROCESSING SHEET MATERIAL
Elbert A. Corbin, Jr., Lansdowne, Pa., assignor of one-third to Ellwood W. Wolf, Philadelphia, Pa., and one-third to B. C. B. Industries, Inc., a corporation of Delaware
Application March 4, 1941, Serial No. 381,677
6 Claims. (Cl. 91—55)

1. An apparatus for processing sheet material comprising means for applying a coating to said sheet material, a drying chamber through which said coated sheet material is adapted to travel for drying said coating, an oven chamber communicating with said drying chamber, heating elements in the top of said oven chamber for radiating relatively intense heat on said sheet ma-



terial to fuse said coating, a rotary drum having a polished surface and projecting into said oven chamber whereby the polished surface of said drum is tangent with the plane of said sheet material, and pressure rolls immediately adjacent the end of said oven chamber and coacting with said drum.

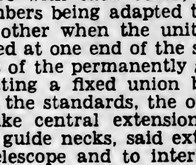
2,270,039
BED DISPLAY OUTFIT
John Henry De Boer, Syracuse, N. Y.
Application July 26, 1940, Serial No. 347,620
5 Claims. (Cl. 35—49)



1. A bed display unit including a deck comprising a flat rigid rectangular frame to rest upon the upper edges of the short-rails of a bed exhibition coupling, and a diaphragm comprising a sheet of material extending over the upper surface of said frame and permanently secured thereto in a flat smooth condition; a structure formed to simulate a bolster comprising a frame structure rigid with said deck frame and extending along one of the longitudinal margins of the deck and projecting above the latter, and a sheet of stiff material covering the upper side of said bolster frame and permanently secured thereto; and a spread covering said deck and said bolster-simulating structure and secured in a smooth condition over both in the unit and tucked and secured between the forward under margin of the bolster frame and the deck frame and having free margins to drape over the outer sides of said rails, whereby said unit will simulate a dressed short mattress and bolster and all of the recited parts of the unit will remain permanently and accurately assembled in the unit when the latter is on or off the short-rails.

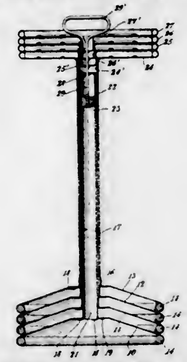
2,270,040
HAIR WAVING PAD
Edward J. Farrell, New York, N. Y.
Application June 14, 1941, Serial No. 398,049
4 Claims. (Cl. 132—36.2)

1. A hair waving pad having a pair of adjacent back layers of cloth material, an intermediate layer of paper and a front layer of cellulose film material adhesively secured to a sheet of wax paper, an auxiliary sheet of paper disposed between said intermediate layer of paper and said front layer and adhesively secured to the exposed face of said sheet of wax paper, and means disposed between said auxiliary sheet of paper and



said sheet of wax paper for making said pad more pliable to retain a given shape.

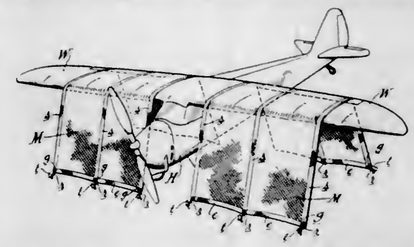
2,270,041
NESTED UTILITY DEVICE
Alan R. Fergusson, New Rochelle, N. Y., assignor to Snackstands, Inc., New York, N. Y., a corporation of New York
Application April 18, 1940, Serial No. 330,231
2 Claims. (Cl. 311—1)



1. In a portable utility device, a plurality of nestable units, each unit consisting of base and tray members and a tubular standard connecting them, one of the members being permanently secured at one end of the standard, the other being removably associated with the other standard end; the standards of all units being adaptde to telescope with each other, and the base and tray members being adapted to respectively overlay each other when the units are nested; means provided at one end of the standards and at the centers of the permanently secured members for effecting a fixed union between these members and the standards, the other members having cup-like central extensions with apertured central guide necks, said extensions being adapted to telescope and to interlock with the free ends of their respective standards when the units are separated, and to telescope with one another when the units are nested, handle attaching means provided within the innermost standard, and a carrying handle for the device, in its nested position, adapted to pass through the central extension guide necks of the removable members and to engage said attaching means.

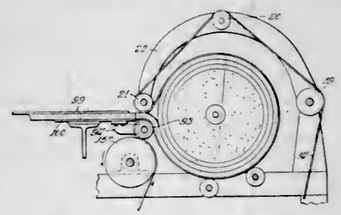
2,270,042
AIRPLANE MOORING
Henry E. Ferris, Harvard, Ill.
Application October 30, 1939, Serial No. 301,898
2 Claims. (Cl. 244—115)

1. An airplane mooring device for cooperative association with the wings of an airplane, comprising a wing engaging ground anchoring member composed of a rectangular sheet of flexible wind resisting material, said member being of a width and length to engage and conform to the shape of an upper wing surface throughout the intermediate portion of said member for substantially the major length of the wing and from the leading to the trailing edges thereof, the opposite end portions of said member being of lengths to engage the ground at points laterally



spaced from the leading and trailing wing edges, and means in the ground anchoring end portions of said member for tensioning said member in firm self-conforming contact with the upper wing surface on either side of the center of the airplane.

2,270,043
COMPRESSED WADDING ROLL
Charles A. Fourness, Appleton, and Rudolf A. Moravek, Neenah, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application February 13, 1939, Serial No. 256,242
1 Claim. (Cl. 206—59)

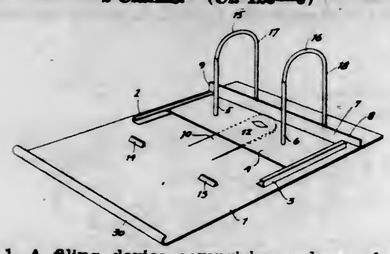


As a new article of manufacture, a strip of compressed cellulose wadding wound upon itself in the form of a roll, said wadding comprising a plurality of superposed plies of thin creped tissue wherein the creping corrugations extend transversely of the strip, are pressed together in a direction lengthwise of the strip and are under pressure exerted in said direction, the material being sufficiently resilient so that said creping corrugations tend to separate and the strip tends to expand longitudinally, and means encircling the wound roll for holding said pressure and preventing said expansion.

2,270,044
HYDROCARBON CONVERSION AND CATALYST THEREFOR
Stewart C. Fulton and Boris Malishev, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 15, 1939, Serial No. 268,120
5 Claims. (Cl. 196—52)

1. A catalyst for conversion of hydrocarbon oil comprising the product formed by first treating a base-exchange zeolite of the alumina-silica class with ammonium phosphate and thereafter heating the resulting product to liberate ammonia.

2,270,045
FILING DEVICE
Maurice O. Goldsmith, Dorchester, Mass.
Application May 24, 1939, Serial No. 275,501
2 Claims. (Cl. 129—9)



1. A filing device comprising a base plate, a second smaller plate covering a portion of said base plate, said base plate having angle brackets pressed outward therefrom to provide slides for said smaller plate, a plurality of stops pressed from said base plate to limit the motion of said smaller plate in one direction in the channels formed by said angle brackets and a tongue pressed upwards from said base plate and having means engaging corresponding means in said smaller plate for limiting the motion of said smaller plate in the slides in the other direction.

2,270,046
TREATMENT OF PLANT STEM CUTTINGS
Nathaniel Hew Grace, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada
No Drawing. Application November 30, 1939, Serial No. 306,970
5 Claims. (Cl. 47—58)

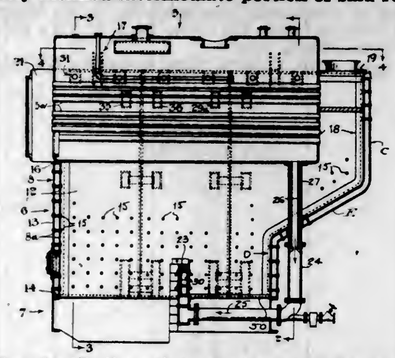
1. A method of initiating root formation and growth in plant stem cuttings which comprises causing to adhere to the basal end of cut stem portions of plants dust containing 200 to 5000 parts per million of synthetic organic plant hormone chemical, less than 100 but not less than 2 parts per million of organic mercurial disinfectant and substantially 0.1 to 5% of plant nutrient material, and planting the so-treated cutting.

2,270,047
COMPOSITION OF ASPHALT SATURANTS
Henry S. Goodwin, East Bound Brook, and Herman D. Winters, Jr., Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1939, Serial No. 311,932
1 Claim. (Cl. 91—70.5)

An improvement in the manufacture of an asbestos cement building board which comprises impregnating an asbestos cement board with a liquid saturant having a Saybolt universal viscosity varying from 85 to 105 seconds at 140° F., an A. P. I. gravity of 16.9° to 22.9° and consisting of 35 to 40% of an asphalt having a melting point of 140 to 185° F. and 65 to 60% of a solvent naphtha having an A. P. I. gravity of 28 to 48° and a kauri butanol solvent power of at least 53.

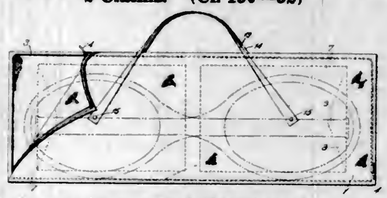
2,270,048
STEAM BOILER
Robert Gray, Pointe Claire, Quebec, Canada
Application June 23, 1939, Serial No. 280,843
2 Claims. (Cl. 122—106)

1. A boiler assembly comprising a fire box provided with hollow front, rear and side walls of equal height, the upper portion of the front wall being shaped to provide a substantially semicircular boiler drum receiving recess and the rear wall being shaped to provide upper and lower vertical portions lying in different vertical planes and joined together by an obliquely inclined intermediate portion, the distance between the front wall and the upper vertical portion of the rear wall being substantially greater than the distance between the front wall and the lower vertical portion of the rear wall, a boiler drum fitted in the recess of said front wall with the rear portion of the drum overhanging a part of the obliquely inclined intermediate portion of said rear



wall and with the extreme rear end of the drum spaced from the upper vertical portion of said rear wall, a baffle bridging the space between the rear end of the drum and the said upper vertical portion of the rear wall, and water circulating conduits interconnecting the water spaces of the boiler drum and the walls of the fire box, one of said conduits extending downwardly from the lower rear portion of the drum through the obliquely inclined intermediate portion of said rear wall and thence forwardly in a horizontal plane below the lower edges of all of said walls, and means connecting the horizontally extending portion of said conduit to the lower portion of the water spaces of the side walls of the fire box.

2,270,049
CARRYING CASE OR BAG
Phillip Greenstein, Cleveland, Ohio
Application June 3, 1939, Serial No. 277,277
2 Claims. (Cl. 150—52)



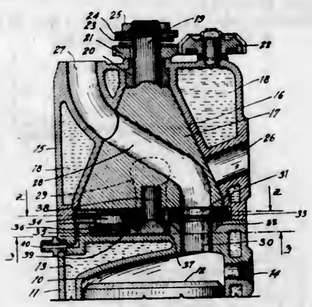
1. A carrying case of the class described, an elongated body containing a pocket the entire length of the body, closure means affording access from the ends and the top thereof, handle means the ends of which are pivotally fastened to the same side of the body at points near the ends thereof, the body being foldable to bring the ends thereof adjacent to each other, the pivotal connections connecting the ends of the handle means to the body being about on a common axis approximately centrally the sides of the body in its folded condition, and the axes of said pivotal connections near the ends of the body being parallel to each other when the body is in its unfolded condition.

2,270,050
COLOR PHOTOGRAPHY, METHOD, AND APPARATUS
Samuel B. Grimson, New York, N. Y., assignor to Color Research Corporation, New York, N. Y., a corporation of Delaware
Application July 17, 1940, Serial No. 345,883
5 Claims. (Cl. 88—16.4)



5. A method of illuminating in colors a black and white photographic negative bearing color separation linear densities comprising, focusing an illuminated aperture on a filled diffraction grating by a lens system containing a banded tri-color filter so that the diffraction grating is illuminated by white light, focusing by a lens system the tri-color images of the color filter formed by the diffraction grating onto the negative in exact registry with the linear densities on the negative, and focusing an image of the filter in the plane of the diaphragm of said last lens system with a collimating lens, whereby the illumination of the negative is uncontaminated by any direct image of the filter.

2,270,051
ROTARY VALVE FOR INTERNAL COMBUSTION ENGINES
Charles W. Hall, Denver, Colo., assignor to E. Clifford Heald, Denver, Colo.
Application July 1, 1940, Serial No. 343,386
12 Claims. (Cl. 123—190)

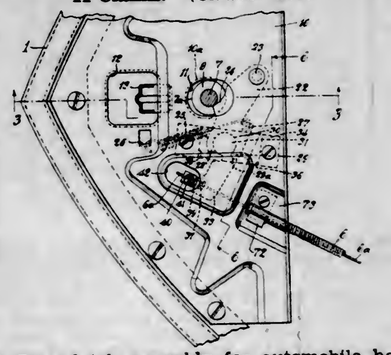


1. In combination with an internal combustion engine having a conical rotary valve for the cylinder thereof, a cylinder port communicating with said cylinder, the conical rotary valve having its axis to one side of said port; a flat face on said valve normally closing said port; a passage through said valve from an eccentric position on the flat face to a position on the conical wall thereof; and a second passage through said valve from a point on the flat face in register with said cylinder port to an outlet in the conical wall of said valve above the outlet of the first passage.

2,270,052
MANUFACTURE OF HYDROCARBON PRODUCTS
Erwin M. Hattox, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1938, Serial No. 248,237
4 Claims. (Cl. 260—683)

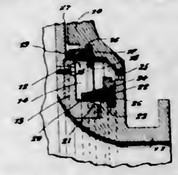
1. The method of producing polymers of isobutylene not higher in molecular weight than tetraisobutylene which comprises contacting diisobutylene with anhydrous ferric chloride at a temperature of about 150° to 300° F.

2,270,053
HOOD LATCH AND OPERATING MEANS THEREFOR
Rowland Hill and Walter H. Krause, Chicago, Ill., assignors to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1941, Serial No. 373,109
11 Claims. (Cl. 292—220)



9. In a latch assembly for automobile hoods and the like, a latch support, a latch lever pivoted on said support, an unlatching lever pivoted on said latch lever, yielding means effective normally to urge the latch lever toward latching position, and manually operable means cooperating with the unlatching lever adapted to move the lever structure unitarily to release position, the pivotal connection between the two portions being adapted to permit the latch lever to recede from latching position without actuation of the manual release element.

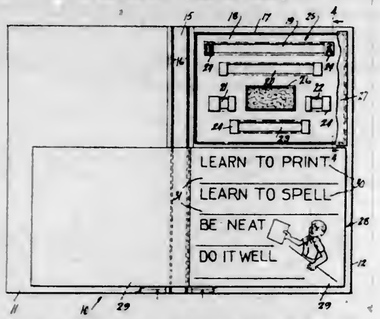
2,270,054
WATER SEAL FOR PUMPS
William Hogan, Augusta, Ga., assignor to Georgia Iron Works, Augusta, Ga., a corporation of Georgia
Application October 13, 1939, Serial No. 299,383
2 Claims. (Cl. 286—7)



1. In a centrifugal pump, a face plate having an axial recess open to the inner side thereof, an undercut annular groove in a wall of the recess,

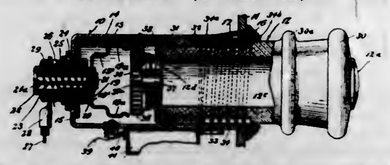
a rubber sealing ring having a base flange seated in the groove, a resilient retaining ring overlying and in pressure engagement with the sealing ring in radial alignment with its base flange, and the contacting face of the retaining ring being beveled inwardly toward the sealing ring from the outer to the inner side faces of the retaining ring whereby to wedge the base flange of the sealing ring radially into its groove, said resilient retaining ring constituting the sole means for holding said sealing ring in place.

2,270,055
PRINTING PLAYBOOK
Jessica Fielding Joffe, New York, N. Y., assignor to The Platt & Munk Co. Inc., New York, N. Y., a corporation of New York
Application July 3, 1940, Serial No. 343,714
1 Claim. (Cl. 35—35)



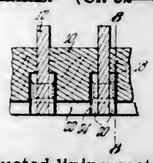
In a book of the nature described, a front cover, a rear cover, and a back member intermediate said front and rear covers, a box member secured to said rear cover, said box member extending over a substantial portion of said rear cover, an apertured platform within said box member adapted to retain printing members and a pamphlet secured to said rear cover, adjacent the said box member.

2,270,056
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 10, 1936, Serial No. 84,401
29 Claims. (Cl. 219—32)



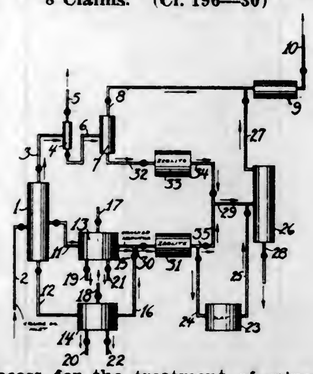
26. In a cigar lighter, a base; a manually operable member carried by the base and movable relatively thereto and withdrawable therefrom; a heating element carried thereby; means for closing a circuit through the heating element to energize the same incident to movement of the manually operable member, said means including a contact operable by the member, and a second contact adapted to engage said first contact; and means for maintaining the circuit closed when the manually operable member and heating element are partially withdrawn from the base, including means for mounting one of said contacts for movement relatively to said base and operable member and in the direction of movement of the latter, said means for closing the circuit also including means for opening the circuit in response to heat from the element.

2,270,057
JORDAN SHELL FILLING
Dwight E. Jones, Pittsfield, Mass., assignor to E. D. Jones & Sons Company, Pittsfield, Mass., a corporation of Massachusetts
Application May 25, 1939, Serial No. 275,769
3 Claims. (Cl. 92—27)



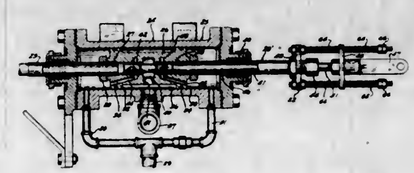
1. A preconstructed lining section for a Jordan engine shell comprising in combination, a plurality of alternately-arranged and adjacently-disposed spacer members and metallic knives, said knives projecting inwardly beyond the inner marginal edges of said spacer members and the latter being provided with transversely extending cut-out portions therein intermediate the opposite ends thereof, separate preformed metallic clip members disposed in said cut-out portions and closely adjacent longitudinal faces of said knives, the latter and said preformed clip members being provided with notches which extend transversely therethrough in substantial coincidence with said cut-out portions of the spacer members, and a tie rod extending through said cut-out portions and notches and permanently secured to said preformed clip members.

2,270,058
REFINING OF MINERAL OILS
Minor C. K. Jones, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 15, 1940, Serial No. 335,239
8 Claims. (Cl. 196—30)



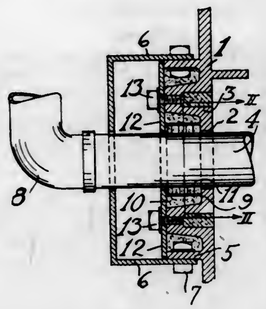
1. Process for the treatment of mineral oils containing objectionable sulfur compounds comprising treating said oils with an alkali metal aluminum silicate of the zeolite type at a pressure above about 75 pounds per square inch and at a temperature above about 600° F., said temperature and pressure being in the range at which substantially no cracking or decomposition of the oil occurs.

2,270,059
CONTROL MECHANISM FOR SAWMILL CARRIAGE STEAM FEEDS
Martin Kahr, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 7, 1938, Serial No. 239,204
3 Claims. (Cl. 121—41)



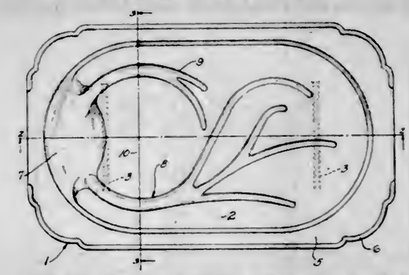
1. A control mechanism comprising a servomotor having a piston rod, a pilot valve for said servo-motor, said valve having an operating stem shiftable axially of said rod, and means interconnecting said stem and rod and comprising spaced cross heads connected to said stem and to said rod, guide rods secured to one of said cross heads, the other of said cross heads having openings through which the guide rods slidably extend, the guide rods projecting beyond said last-named cross head, compression coil springs encircling the guide rods and abutting the cross heads at the opposite ends, and a second set of coil springs encircling the projecting portions of the guide rods and abutting one of the cross heads at their inner ends, and adjustable abutments for the outer ends of said springs mounted on the outer end portions of said guide rods.

2,270,060
TUBE SEAL
John S. Kotlarz, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 4, 1939, Serial No. 297,781
5 Claims. (Cl. 285—45)



1. A furnace tube mounting of the character described, comprising a tube sheet having a plurality of walled receptacles on its outer face, a tube end extending into each receptacle through said sheet, an annular sleeve over each tube end, disposed in spaced, concentric relation to the tube and to the receptacle walls, a resilient seal between each tube and sleeve, a non-resilient packing in each receptacle surrounding the sleeve, and a cover for the receptacle having an opening concentric with the tube.

2,270,061
SERVING GRILL
Elmore A. Kraemer, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application August 10, 1938, Serial No. 224,079
1 Claim. (Cl. 65—15)



A platter of the character described comprising a body portion and a surrounding rim, said body portion having a single gravy well at one end, an area of the body portion immediately adjacent said well being of flat and unbroken surface and of sufficient extent to provide a carving surface, said well and unbroken area utilizing substantially half of said body portion, the remaining area of said body portion being provided with gravy tree branches draining said area, and gravy tree trunks connecting said branches to said well, said trunks being disposed around the margin of said unbroken area.

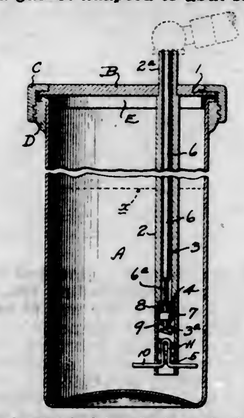
2,270,062
METHOD FOR MANUFACTURING POUR POINT DEPRESSANTS FOR WAXY LUBRICATING OILS
Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 14, 1938, Serial No. 245,673
12 Claims. (Cl. 252—57)

1. A composition comprising a hydrocarbon lubricating oil normally having a high pour point and a small amount of an oil-soluble pour-depressing condensation product of one mol of a condensible cyclic compound containing at least one short aliphatic chain of at least 3 but less than 10 carbon atoms, with at least one mol of a short chain aliphatic dihalo organic compound having not more than 10 carbon atoms selected from the group consisting of dihalides of short chain aliphatic hydrocarbons and acid halides of short chain aliphatic dibasic organic acids, said condensation product having been formed by condensation of said reactants at a temperature between the approximate limits of 175° F. and 300° F. and said condensation product being substantially free from constituents boiling below about 600° F.

2,270,063
DISPENSING DEVICE FOR AERATED CREAM
Ralph E. Linch, Louisville, Ky., assignor to Dairy Devices Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application October 23, 1940, Serial No. 362,445
1 Claim. (Cl. 221—74)

In a sanitary aerated food dispenser including a wide mouth container having a detachable cover, a readily assembled and disassembled dispenser element comprising, a tube carried by the

cover and having its outer end projecting beyond the outer face of the cover while its inner end extends into the container, said tube being provided with internal bores of different diameter forming a shoulder therebetween, said tube also being provided at its inner end with bayonet slots, a valve device for said tube, said device including a gasket adapted to abut said shoulder,



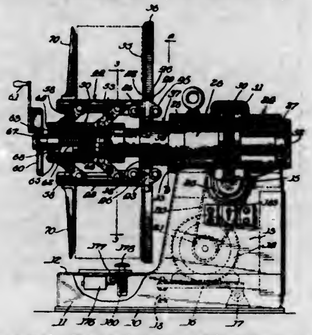
a valve head adapted to abut against said gasket, a valve stem extending from said head through the tube to a point substantially flush with the mouth at the outer end of said tube, a spring for engaging the side of the valve head opposite the side which engages the gasket, and a spring holder including arms adapted to be inserted in the bayonet slots of the tube for compressing said spring against the valve head.

2,270,064

SPINDLE REEL WITH TOGGLE ARMS

Frederick M. Littell, Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois

Application December 31, 1940, Serial No. 372,529
10 Claims. (Cl. 242—111)



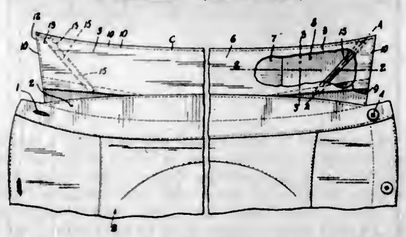
1. In a spindle reel, in combination, a standard, a shaft journalled by said standard and having a portion extending forwardly of the standard, a circular plate member fixed to the extending portion of the shaft and adapted to rotate therewith, said plate member having radially extending slots formed therein, a supporting arm extending through each slot in a forward direction and disposed substantially parallel to the shaft, axially movable means carried by the extending portion of the shaft for effecting radial movement of the supporting arms, and rollers carried by each supporting arm adapted to have rolling contact with said plate member during radial movement of the supporting arms.

2,270,065

COLLAR

Ashley J. Logan, Waterville, Maine, assignor to C. F. Hathaway Co., Waterville, Maine, a corporation of Maine

Application April 16, 1940, Serial No. 329,852
4 Claims. (Cl. 2—132)



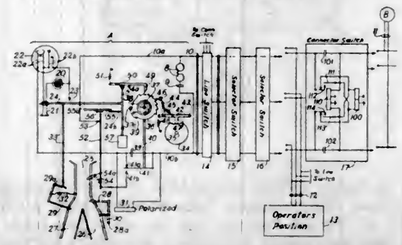
1. A collar of the character described comprising a band portion and a front fold, said front fold being formed by a front ply, a lining adjacent said front ply and of the same shape as said front ply, a rear ply of substantially the same shape as the front ply but having the side top parts thereof folding inwardly forming a hem which makes an angle with the top edge of the front ply, a pair of intermediate plies positioned between the lining and the rear ply at the outer ends of said outer fold, each of said intermediate plies being about one quarter the length of the outer fold, the lower and side edges of said plies and lining being stitched together and a row of stitches passing through the top edges of the band, the lining, the front and intermediate plies and the central part of the top edge of the rear ply, a pair of parallel rows of stitches between the rear and intermediate plies, said rows of stitches terminating close to the lower corners of the outer fold and forming a pair of pockets adapted to receive stiffening members.

2,270,066

TELEPHONE SUBSTATION APPARATUS

Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 1, 1939, Serial No. 265,459
9 Claims. (Cl. 179—6.3)



1. A telephone substation adapted to be connected to a telephone line and comprising, in combination, means for receiving coins or the like and including a coin deposit channel and a coin collect channel, an impulsing device adapted to be connected in a circuit including said line to transmit one or more impulses over

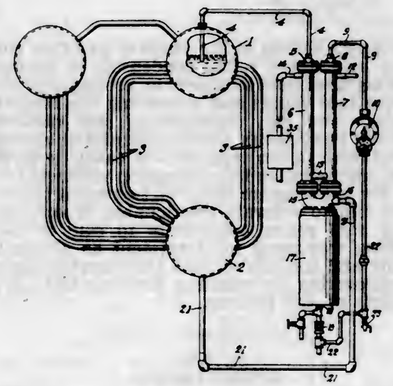
said line during each operation of said device, means controlled by said impulsing device for preventing impulses from being transmitted from said substation over said line after a predetermined number of operations of said device, means responsive to the deposit of a coin in said coin deposit channel for rendering said last-named means ineffective to prevent the transmission of impulses over said line, a polarized electromagnetic device including a winding connected to be energized over a circuit including said line and operative only when current of a predetermined polarity traverses said winding, means controlled by said electromagnetic device for permitting a coin deposited in said deposit channel to pass into said coin collect channel, a path normally short-circuiting said winding, and means operative after said predetermined number of operations of said impulsing device for interrupting said path.

2,270,067

CONTINUOUS BOILER BLOWDOWN APPARATUS

Paul E. Madden, Chicago, Ill.

Application May 23, 1938, Serial No. 209,568
8 Claims. (Cl. 210—15)



1. In a continuous blow-down system for boilers and the like, two generally parallel vertical housings connected at their lower ends, means for feeding cooling water to one and withdrawing it from the other at their upper ends, hot water pipes extending through both said housings, a supply pipe connected to the hot water pipes at the top of one of said housings, a metering valve and a connection between it and the hot water pipes in the other housing, a connection between the hot water pipes in both housings including a settling chamber.

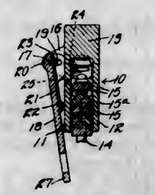
2,270,068

SAFETY PIN LOCK SLIDER

Davis Marinsky and Louis H. Morin, Bronx, N. Y.

Application September 7, 1939, Serial No. 293,702
7 Claims. (Cl. 24—205.5)

4. A pull having a locking projection thereon, said pull being adapted for use in connection with channeled sliders of the class described, said sliders having a transverse pivot forming pin secured thereto and further having an elongated aperture registering with the channel thereof adapted to receive the locking projection on said pull, said pull comprising an elongated body having pivot forming means at one end thereof, said pivot forming means including enlarged side members at said end of the pull having apertures therein elongated in a direction substantially perpendicular to the surfaces of said pull, means resiliently supporting said pull to engage the pivot pin on said slider at the ends of said aper-



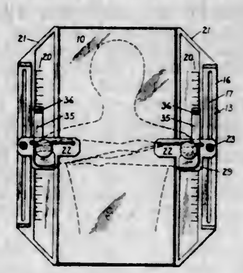
tures adjacent the upper surface thereof, said last named means comprising a flat spring member secured to said pull in spaced relation to the pivot portion thereof, and the pivot forming end of said spring being semi-cylindrical in contour and contacting said pivot pin throughout the greater portion of the length of said pin disposed between the enlarged side members of said pull.

2,270,069

POSTURE GAUGE

Clifford M. Martin, Denver, Colo.

Application March 10, 1941, Serial No. 382,560
8 Claims. (Cl. 33—174)



1. A slide for use with a posture meter having a support and a vertical guide thereon, comprising a substantially flat elongated body adapted for use in a vertical position, said slide having a substantially rectangular projection on its lower edge, the projection being thicker than the body and substantially flush with the outer side thereof, the slide body having a longitudinally extending guide rod secured at its ends thereto, and an elbow supporting shelf slidably suspended from the guide rod for adjustment therealong, one end of the body having means for clamping it in position on the vertical guide.

2,270,070

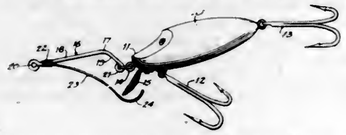
FISH LURE GUARD

Joseph McArthur, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application June 17, 1940, Serial No. 340,935
11 Claims. (Cl. 43—39)

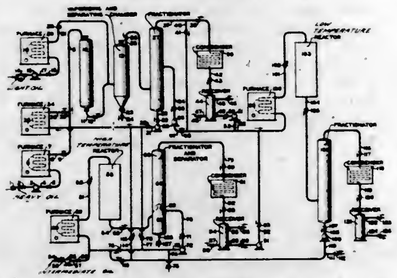
1. In combination with a bait body, a guard leader provided at its forward end with means for the attachment of a line and secured at its rear end to the bait body at a point below the

forward tip of the bait body and having an elevated hump between its ends to afford a deflect-



ing surface in advance of the forward end of the bait.

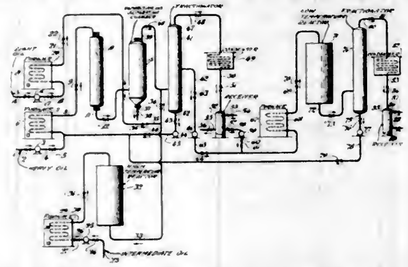
2,270,071
HYDROCARBON CONVERSION
Edwin H. McGrew, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1939, Serial No. 292,848
9 Claims. (Cl. 196—49)



1. A process for the conversion of hydrocarbon oils to produce gasoline containing a relatively small amount of olefinic hydrocarbons, which comprises subjecting a relatively high boiling hydrocarbon oil to thermal cracking treatment, concurrently therewith subjecting a relatively low boiling hydrocarbon oil to thermal reforming treatment, commingling the conversion products and fractionating to form light and heavy reflux condensate and to separate vapors boiling in the range of gasoline, simultaneously in another step of the process subjecting an oil boiling intermediate to the two first mentioned oils to high temperature catalytic cracking treatment, commingling the gasoline from said thermal cracking, thermal reforming, and high temperature catalytic cracking treatments with the light reflux condensate from said thermal cracking treatment, and subjecting the mixture to the action of a cracking catalyst at a temperature of about 500–900° F. for a sufficient time to effect substantial saturation of the olefin content of the gasoline, said process being further characterized in that vapors boiling in the range of gasoline from the thermal cracking treatment are commingled with the distillate from the high temperature catalytic cracking treatment and the light reflux condensate from the thermal cracking treatment without prior cooling and condensation thereof.

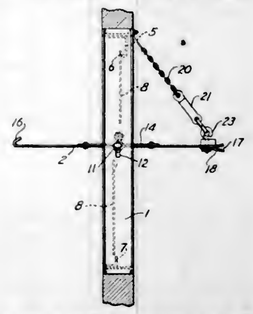
2,270,072
HYDROCARBON CONVERSION
Edwin H. McGrew, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 8, 1939, Serial No. 293,895
5 Claims. (Cl. 196—49)

2. The process of converting hydrocarbons, which comprises subjecting combined feed comprising a relatively heavy hydrocarbon oil and reflux condensates, formed as hereinafter described, to thermal cracking treatment, concurrently therewith subjecting a relatively light hydrocarbon oil to thermal reforming treatment and an intermediate oil to high temperature catalytic cracking treatment, commingling the conversion products from said thermal cracking treatment and said thermal reforming treatments and supplying the mixture to a vaporizing and separating chamber to separate a non-vaporous liquid residue which is recovered as a product of the process from the vaporous conversion products, commingling said vaporous conversion products with the conversion products from said high temperature catalytic cracking treatment, fractionating the mixture to form light and heavy reflux condensates and to sepa-



rate vapors boiling in the range of gasoline, supplying said heavy reflux condensate to thermal cracking treatment as aforesaid, cooling and condensing said vapors and recovering the resulting distillate and gas, commingling said distillate with the light reflux condensate and subjecting the mixture to low temperature catalytic treatment, fractionating the conversion products from said low temperature catalytic treatment to form reflux and to separate fractionated vapors, supplying said reflux condensate to said thermal cracking treatment for treatment as aforesaid, cooling and condensing said fractionated vapors and recovering the resulting distillate and gas as products of the process.

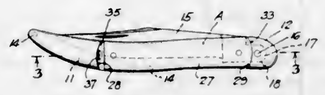
2,270,073
FIRE DAMPER
Fred D. Merry, Toledo, Ohio, assignor to The American Warming and Ventilating Company, Toledo, Ohio, a corporation of Ohio
Application May 7, 1940, Serial No. 333,795
6 Claims. (Cl. 98—1)



1. In a damper of the class described, a frame forming a damper opening, a damper blade mounted for vertical gravity swinging movements in said opening, bearing means for supporting the blade for swinging movements in the

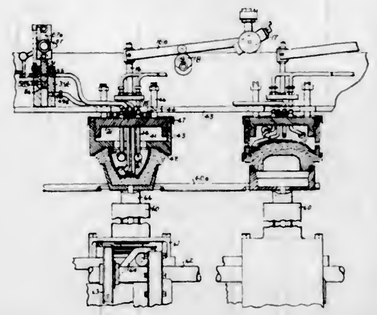
frame, said means including flattened trunnions on one and socket means in the other of said frame and blade, said socket means having portions in which the trunnions may turn to permit predetermined swinging movements of the blade and having portions into which the trunnions may lower to permit predetermined lowering movements of the blade when in substantially vertically disposed closed position, said frame and blade having interengaging means for interlocking coaction of one of the edges of the blade with the frame when the blade has said lowering movement relative to the frame, and releasable means for holding the blade in open position.

2,270,074
POCKETKNIFE
Herbert William Miller, Burbank, Calif.
Application March 18, 1940, Serial No. 324,610
7 Claims. (Cl. 30—164)



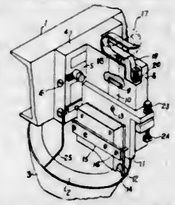
5. An article of the class described comprising: a handle having means defining spaced retaining portions in confronting relationship; a filler piece adapted to be received between said portions to form part of the handle; means on said portions and on opposite ends of said filler piece co-actable to detachably secure the filler piece to the handle; and means by which the filler piece can be released from the handle by longitudinal shifting of the filler piece on the handle until one end of the filler piece is free of the correlated retaining portion.

2,270,075
METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Application November 12, 1938, Serial No. 239,972
23 Claims. (Cl. 25—22)



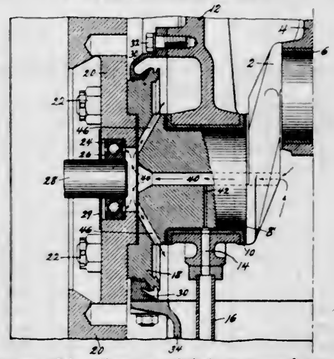
4. In apparatus for feeding clay to molds in the manufacture of pottery, a spray evaporator including an atomizer for ceramic material for spraying a charge of ceramic material directly into or on a mold and a confining member adapted to co-operate with the atomizer to confine the spray to predetermined zones on the molding surface of the mold.

2,270,076
APPARATUS FOR MANUFACTURING POTTERY
William J. Miller, Swissvale, Pa.
Application October 4, 1939, Serial No. 297,900
29 Claims. (Cl. 25—24)



1. In apparatus for manufacturing jiggered pottery ware, a lintel, a profile tool and a holder for said tool clamped to slide relative to said lintel.

2,270,077
LUBRICATING ARRANGEMENT FOR CLUTCH PILOT BEARINGS
Harold L. Morris, Berkeley, Calif., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application July 19, 1939, Serial No. 285,312
6 Claims. (Cl. 184—6)

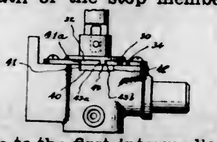


1. In combination, a driving member, a first clutch element secured thereto, a second clutch element, a pilot bearing carried by said first clutch element and rotatably supporting said second clutch element, and fan means for passing a lubricant spray over said pilot bearing, said fan means being formed by an axial bore extending from the crank case interior through a part of said driving member and terminating in an enlarged open end portion adjacent said pilot bearing and there communicating with substantially radial passages formed in said driving member and opening into said crank case interior.

2,270,078
VALVE
Ervin H. Mueller, Grosse Pointe, Mich.
Application April 5, 1941, Serial No. 386,988
1 Claim. (Cl. 251—152)

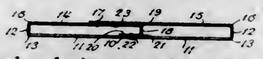
A valve for controlling the fluid fuel supply for a heating burner and a pilot comprising, a valve body, a valve member rotatable in the body, the valve body and valve member having two sets of passages for alignment and disalignment in different rotary positions of the valve member, a stop member slidably and non-rotatably connected to the valve member, two limiting stops

for engagement by the stop member for determining two extreme positions of the valve member, one of which is the "off" position with the passages disaligned and the other the "on" position with the passages aligned, a spring acting upon a stop member and urging it axially, an intermediate stop in the normal path of the stop member as determined by the spring for stopping the valve member when it is turned from either of the limit stops, another intermediate stop facing the "off" limit stop and positioned out of the normal path of the stop member and dis-



aligned relative to the first intermediate stop, the stop member being shiftable against the spring so as to clear the first intermediate stop to pass by the same, and the second intermediate stop being in the path of the stop member when so shifted, whereby the stop member must return to its normal path in order to pass the second intermediate stop, the passages being arranged and the intermediate stops being positioned so that the passages for the fuel to the pilot only are aligned when the valve member is positioned by either of the intermediate stops.

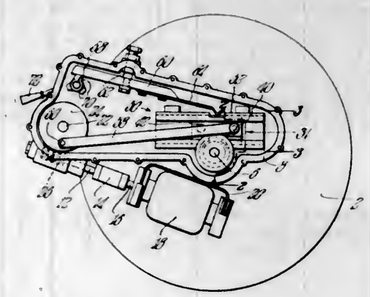
2,270,079
DISPLAY DEVICE FOR ARTICLES OF MERCHANDISE
Harold L. Myers, Morristown, N. J.
Application May 20, 1939, Serial No. 274,725
3 Claims. (Cl. 206—44)



1. A display device comprising a front member provided with at least two spaced openings terminating at opposite edges of said front member and dimensioned and shaped to accommodate predetermined articles of merchandise, panel sections fastened together in overlapping surface engagement and located rearwardly of said front member in registry with the openings thereof, main spacing panels in permanent foldable connection with said front member along opposite edges thereof and with said panel sections along the respective outer edges thereof, an auxiliary spacing panel in permanent foldable connection with the inner panel section along the inner edge thereof, and a flap in permanent foldable connection with the auxiliary spacing panel and secured in surface engagement with the inner face of said front member, said spacing panels being pivotally movable in parallelism to shift the panel sections into spaced parallelism with said front member to constitute a common bottom for the openings therein and to provide a complete display body of tubular open ended form.

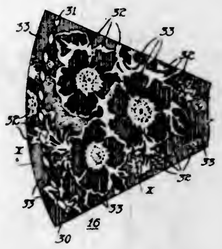
2,270,080
DRIVING MECHANISM FOR WASHING MACHINES
John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application May 28, 1941, Serial No. 395,551
8 Claims. (Cl. 74—77)

1. The combination of an oscillatable shaft and a rotatable member with means for oscillating the former by the latter comprising in combination, a driving member including a plurality of separate driving elements, means guiding said drive member in straight line movements, a driven member having parts of different diameters with which said driving elements are fric-



tionally engageable, engaging means for selectively and independently engaging certain driving elements with certain parts of said driven member whereby said driven member may be oscillated through different angles, and means connecting said rotatable member and driving member.

2,270,081
DECORATED CERAMIC WARE AND METHOD OF MAKING THE SAME
Willard E. Palmer, East Liverpool, Ohio, assignor to The Taylor, Smith & Taylor Company, a corporation of West Virginia
Application February 16, 1939, Serial No. 256,750
14 Claims. (Cl. 41—26)

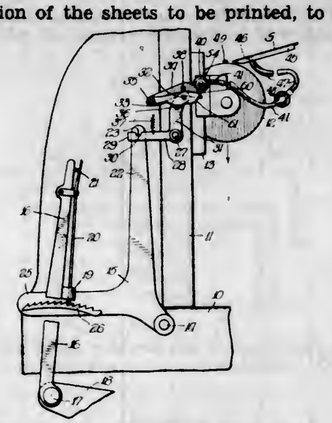


1. As a new article of commerce ceramic ware which comprises a fired ceramic body, an opaque colored glaze on said ceramic body and a differently colored pyrochemical reaction product under and combined with portions of such glaze to form for such ware a design of the underglaze type.

2,270,082
TRIPPING MECHANISM
Maurice Edgar Pearsall, Venice, Calif., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1940, Serial No. 369,192
11 Claims. (Cl. 101—285)

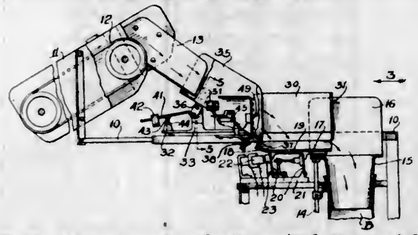
1. In a printing press of the class having a rotary impression cylinder mounted to reciprocate in a linear path, the provision of automatic tripping means, and means actuating said latter means and operative dependent on the feeding

condition of the sheets to be printed, to render



the press drive ineffective during either one of the reciprocatory strokes of said cylinder.

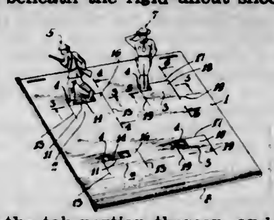
2,270,083
AUTOMATIC FEED CONTROL FOR WEIGHING AND PACKAGING MACHINES
Theodore Rapp, Los Angeles, Calif.
Application September 16, 1939, Serial No. 295,280
5 Claims. (Cl. 198—37)



1. In an automatic feed control for weighing and packaging machines, the combination with a conveyor and its operating means, of a trough mounted for tilting movement at the discharge end of said conveyor, means actuated by the movement of said trough as a result of the weight of an overflow product delivered thereto by said conveyor for rendering the conveyor operating means inoperative, an adjustable stop for limiting the downward tilting movement of the forward portion of said trough and means for limiting the downward tilting movement of the rear portion of said trough.

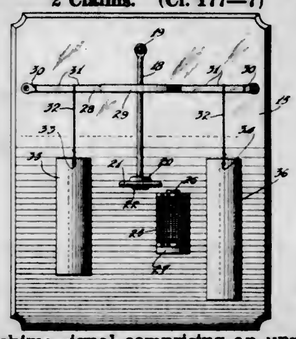
2,270,084
DISPLAY DEVICE
Samuel S. Schmidt, York, Pa., assignor to Grey Iron Casting Company, Mount Joy, Pa., a corporation of Pennsylvania
Application November 1, 1938, Serial No. 238,143
2 Claims. (Cl. 206—80)

1. In a display device of the class described, the combination of a sheet of material having an integral tongue formed in the body thereof by two substantially parallel slits having one of their corresponding ends joined by another slit, said slits producing edges on the tongue and on the more rigid part of the sheet adjacent said tongue, one of said edges immediately adjacent the end of said tongue on the rigid part of the sheet of material having cut away portions forming a pair of recesses therein separated by a tab portion extending toward said tongue and adapted to accommodate the supporting portions of a miniature figure with a part of the base of said figure extending beneath the rigid uncut sheet of ma-



terial and the tab portion thereon, and a second sheet of material attached to and extending beneath and in face contact with the underside of said first sheet adjacent said recess and tab portion for retaining the base portion of a miniature figure between it and said first sheet.

2,270,085
CHIME SIGNAL
Reinhold Schwinzer, Harrison, N. J.
Application March 13, 1940, Serial No. 323,660
2 Claims. (Cl. 177—7)



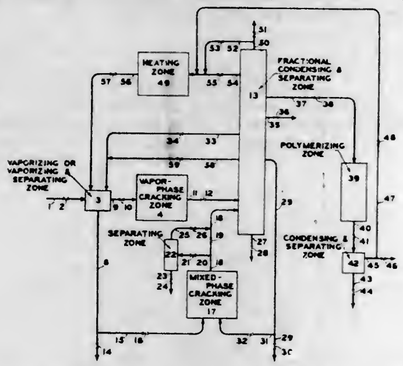
1. A chime signal comprising an upright support, a pendulous hammer pivoted on said support to swing in a path parallel thereto, resonant devices suspended in the path of said hammer, an upright electro-magnet fixed on said support below the hammer with its axis laterally remote from the pivot point of the hammer, and means combined with said hammer attractable by said magnet when energized.

2,270,086
CONVERSION OF HYDROCARBONS
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 24, 1939, Serial No. 258,246
3 Claims. (Cl. 196—10)

1. A hydrocarbon oil conversion process which comprises fractionating a mixture of cracked hydrocarbon vapors and gases to separate therefrom a gasoline condensate, an intermediate fraction containing readily polymerizable gaseous olefins and corresponding paraffins, and a lighter gaseous fraction, heating at least a portion of said lighter gaseous fraction to above the vaporizing temperature of the charging oil for the process, commingling with the charging oil, while the latter is below its vaporizing temperature, a sufficient quantity of the heated gases to vaporize a substantial portion of the charging oil,

cracking the resultant charging oil vapors while in admixture with the gases, separately cracking the unvaporized portion of the charging oil under mixed phase conditions, and supplying vaporous and gaseous conversion products of both said cracking operations to the aforesaid fractionating step, additionally separating in said fractionating step a relatively light and a relatively heavy reflux condensate and supplying the same, respectively, to the vapor phase and mixed phase cracking operations.

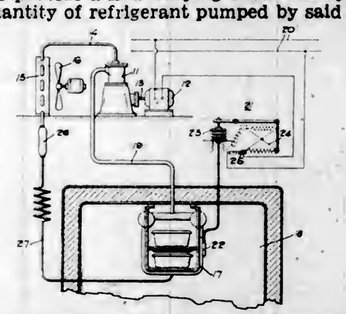
2. A hydrocarbon oil conversion process which comprises fractionating a mixture of cracked hydrocarbon vapors and gases to separate therefrom a gasoline condensate and a lighter fraction containing polymerizable gaseous olefins and corresponding paraffins, subjecting said lighter fraction to polymerization to convert normally gaseous olefins into liquid hydrocarbons, separating the latter from unpolymerized gases, heat-



ing at least a portion of the last-named gases to above the vaporizing temperature of the charging oil for the process, commingling with the charging oil, while the latter is below its vaporizing temperature, a sufficient quantity of the heated gases to vaporize a substantial portion of the charging oil, cracking the resultant charging oil vapors while in admixture with the gases, separately cracking the unvaporized portion of the charging oil under mixed phase conditions, and supplying vaporous and gaseous conversion products of both said cracking operations to the aforesaid fractionating step, additionally separating in said fractionating step a relatively light and a relatively heavy reflux condensate and supplying the same, respectively, to the vapor phase and mixed phase cracking operations.

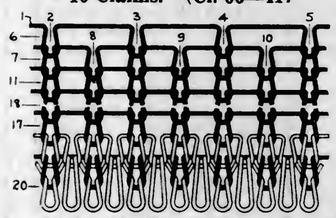
2,270,087
REFRIGERATION APPARATUS
Malcolm G. Shoemaker, Indianapolis, Ind., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1939, Serial No. 263,838
8 Claims. (Cl. 62—3)

1. In refrigerating apparatus, the combination of a compressor for pumping refrigerant, a condenser, an evaporator, and means for impeding the flow of refrigerant between the condenser and the evaporator, said means comprising a conduit of variable cross-sectional area, a movable body responsive to the pressure differential of the refrigerant across said body, said body controlling the conduit to vary its cross-sectional area to provide a flow varying substantially with the quantity of refrigerant pumped by said com-



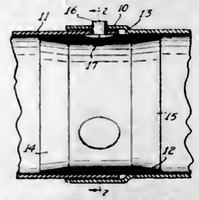
pressor regardless of the pressure differential between the condenser and the evaporator.

2,270,088
METHOD OF KNITTING
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 4, 1939, Serial No. 265,956
10 Claims. (Cl. 66—41)



1. A method of knitting a selvage including the feeding of an elastic thread only into the hooks of spaced needles only and during the knitting of each of a plurality of consecutive courses interknitting the elastic thread at some only of the wales and imposing tension upon the elastic thread during the knitting of the said courses.

2,270,089
QUICK COUPLING FOR PIPES
William H. Stout, Eugene, Oreg.
Application January 4, 1941, Serial No. 373,152
5 Claims. (Cl. 285—174)



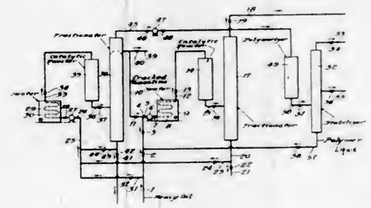
1. In a pipe coupling including a pair of pipe sections having telescoped adjacent end portions, an internal tubular and expansible gasket having one end extending into one pipe section and the other end extending into the other pipe section, said ends adapted to be held within said pipe sections respectively in snug relation when said gasket is expanded radially under pressure, within said pipe sections, a movable locking element projecting through the inner one of the telescoped end portions and adapted to cooperate with the outer one of the telescoped end portions

in locking relation, said gasket being associated with said element and normally urging the latter in a direction toward said outer one of the telescoped end portions and into locking relation therewith.

2,270,090
MANUFACTURE OF CATALYSTS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 17, 1939, Serial No. 279,687
4 Claims. (Cl. 252—250)

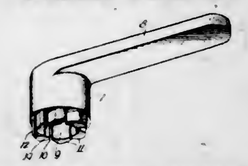
1. A process for the manufacture of catalytic material suitable for accelerating hydrocarbon conversion reactions which comprises precipitating a silica hydrogel from a solution of an alkali metal silicate by the acidification thereof, water washing the hydrogel until the wash water is substantially free of alkali metal ions, then heating the hydrogel at above the boiling point of water until substantial dryness, thereby liberating additional alkali metal impurities, water washing the dried material to substantially remove said additional alkali metal impurities, and suspending the washed hydrated silica in a solution of a salt of a metal selected from the group consisting of aluminum, zirconium, and thorium, precipitating hydrous oxide from the solution by the addition of an alkali metal free basic precipitant, washing and drying, forming particles of definite size and calcining at a temperature of approximately 1000–1500° F.

2,270,091
CATALYTIC CONVERSION OF HYDROCARBONS
Charles L. Thomas and Herman S. Bloch, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 21, 1939, Serial No. 291,196
3 Claims. (Cl. 196—10)



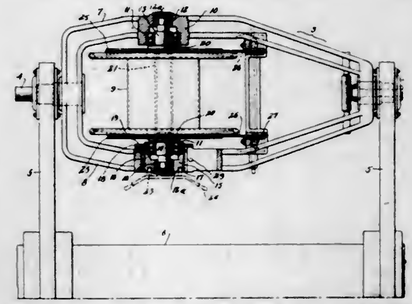
3. A process for producing substantially saturated gasoline of high anti-knock value which comprises combining olefinic gasoline with hydrocarbon oil heavier than gasoline, subjecting the resultant mixture to the action of a cracking catalyst at a temperature of about 600–900° F., whereby to produce gasoline of low olefin content, separating the low olefin content gasoline from conversion products heavier than gasoline, cracking at least a portion of said heavier products at higher temperature than is maintained in the first-mentioned conversion step, thereby forming olefinic gas and gasoline, subjecting olefinic gases thus formed to polymerization and supplying resultant olefin polymers to the first-mentioned conversion step as at least a portion of the olefinic gasoline which is combined with said hydrocarbon oil.

2,270,092
WRENCH FOR LOCK NUTS
Arthur H. Thompson, Chicago, Ill., assignor to Thompson-Bremer & Co., Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 301,931
4 Claims. (Cl. 81—90)



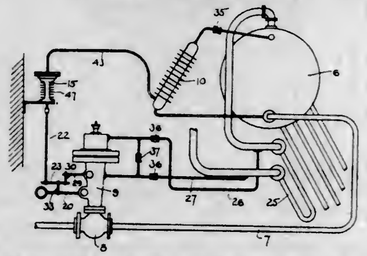
1. A wrench for use on a lock-nut which is provided with resilient tongues having their outer ends united to the nut and their inner ends adapted to secure the nut against rotation off the screw and to slide around the screw when the nut is turned onto the screw and with substantially rigid portions adjacent the outer margin of the nut, comprising a body having a socket to receive the screw and spaced nut-engaging members on the body circumferentially arranged around the screw and shaped for endwise insertion, and so as to permit limited rotation, between the resilient tongues, said members being each shaped to form a pair of abutments, one of which is disposed in close proximity to the periphery of the screw and adapted to engage one side of a tongue and to flex the tongue away from the screw, and the other disposed outwardly from the periphery of the screw a sufficient distance to engage a rigid portion adjacent the margin of the nut when the nut is turned onto the screw, the rotation of the members in opposite directions alternately producing release of the inner ends of the tongues from the screw and positive rotation while the tongues remain engaged with the screw.

2,270,093
RETRACTING PINTLE CRADLE FOR STRANDING AND/OR CLOSING MACHINES
Charles F. Van Hook, Warren Point, N. J.
Application January 23, 1941, Serial No. 375,608
6 Claims. (Cl. 242—134)



5. A rotatable spool cradle for the rotor of a machine of the character described, said cradle having opposed anti-friction pintle means for rotatably supporting the spool upon an axis at right angles to the cradle axis, one of said pintle means being threadably mounted in a side of the cradle whereby it can be advanced toward or retracted from the spool, and means for clamping said threads to hold said threadably mounted pintle means in its adjusted position.

2,270,094
FEED WATER REGULATOR
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application August 4, 1939, Serial No. 288,338
1 Claim. (Cl. 122—451)



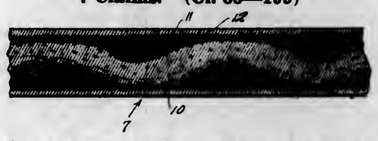
A feed water valve for boiler systems, comprising a casing having a valve housing in the base thereof, a valve controlling flow of feed water through the housing, an operating arm connected to the valve, a rock lever pivoted to the operating arm and having a portion extending externally of the casing, a dividing wall sealing the upper portion of the casing from the valve operating arm, a diaphragm dividing the upper portion of the casing and providing an upper and lower compartment, an operating arm associated with the diaphragm extending into the lower compartment, pivotal means connected through the operating arm in said lower compartment and extending externally of the casing, differential pressure means adapted to be connected to and register steam flow variations in the system, and means externally of the casing linking both said operating arms whereby a continuous and modulating control will be effected responsive both to water level variations in the boiler and steam flow variations in the system.

2,270,095
NONREFILLABLE BOTTLE TOP
Richard Voltolini, New York, N. Y.
Application February 14, 1941, Serial No. 378,905
6 Claims. (Cl. 215—25)



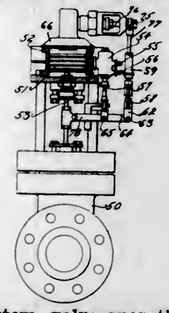
1. A non-refillable bottle top having a cap formed with a central opening in its top wall and engaged upon the neck of a bottle with a cup-shaped member formed with a rounded bottom forming a valve seat having a small central opening projected into said neck and a tubular shell having a reduced top discharge opening having its bottom edge securely attached to the peripheral edge of said top wall, a weighted valve having a flat bottom side resting on the top face of the top wall of said cap for closing said opening in said top wall, a ball valve in said cup-shaped member engageable upon said valve seat, and a rod having its top end securely attached to the bottom face of said weighted valve and its bottom end projected through said opening in said top wall and into said cup-shaped member, said ball valve being resiliently mounted upon the bottom end of said rod to insure its being seated upon said valve seat when said weighted valve rests upon the top face of said top wall.

2,270,096
WINDOWPANE FOR POULTRY HOUSES
Harold Warp, Chicago, Ill.
Application July 26, 1939, Serial No. 286,636
7 Claims. (Cl. 88—109)



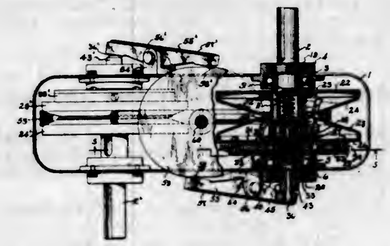
1. A pane for windows or other light admitting openings in poultry houses comprising a woven cloth base having approximately sixty threads to the inch each way, an ultra-violet ray transmitting filler applied to said cloth to fill the interstices between the threads thereof as well as interstices in the threads themselves, said cloth and said filler being dyed blood-red with a water soluble ultra-violet ray transmitting aniline dye so as to produce in a poultry house to which it is applied a light causing blood to appear substantially neutral or colorless, and a paraffin impregnation and coating for rendering the treated cloth translucent and weather proof.

2,270,097
BOILER SYSTEM
Harry H. Weining, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application September 16, 1936, Serial No. 101,114
1 Claim. (Cl. 122—451)



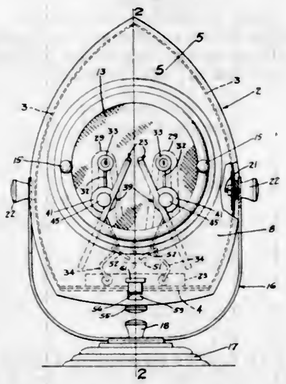
In a boiler system, valve operating means for continuously controlling the flow of feed water to the boiler, said means comprising a feed water valve, a fluid pressure motor, a rod operably connecting the feed water valve and motor, a pilot valve controlling operation of said motor, a floating lever, means responsive to water level variations in the boiler connected to one point of the lever, means responsive to steam flow variations in the system and operable independently of the water level responsive means connected to another point of the lever, a second lever connected to the floating lever at an intermediate point and to the rod, and the second lever being operably connected to the pilot valve whereby as the feed water valve is moved in a given direction by the motor the pilot valve is moved in a direction to reverse its action on the motor.

2,270,098
VARIABLE SPEED POWER TRANSMISSION UNIT
Preston Whitcomb, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application May 28, 1940, Serial No. 337,613
18 Claims. (Cl. 74—230.17)



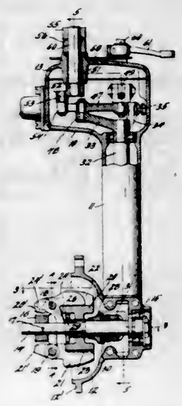
1. In a variable speed power transmission a driving pulley, a driven pulley, each of said pulleys comprising two parts relatively movable in an axial direction by reason of relative circumferential motion, a belt connecting said pulleys, and means for simultaneously causing relative circumferential movement between the pulley parts to change the belt diameters of said pulleys.

2,270,099
SUN LAMP
Frederic Wommer, Carver, Minn., assignor of one-half to H. Lee Reynolds, Pittsburgh, Pa.
Application July 24, 1939, Serial No. 286,124
13 Claims. (Cl. 250—85)



1. In a sun lamp, a casing having a carbon supporting mechanism therein, said mechanism comprising a base of insulating material adapted to be seated on the bottom wall of the casing, a pair of upright arms pivoted in the base, a non-conductive carbon holder at the upper end of each arm each adapted to support a carbon, means operatively associated with said arms for varying the spacing between the carbons, and said carbon holders being arranged to prevent said arms from directly contacting each other, when the carbons are burned down to the carbon holders, whereby the lamp cannot become short-circuited through said arms.

2,270,100
CENTRIFUGAL GOVERNOR
Herman G. Adler and James Clark Evans, Detroit, Mich., assignors to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application May 8, 1939, Serial No. 272,494
12 Claims. (Cl. 264—3)



4. In a centrifugal governor, a rotatable member, centrifugal members carried by said rotatable member and adapted to move outwardly upon rotation of said rotatable member, spring means including a plurality of springs for resisting outward movement of said centrifugal members, means acting between said centrifugal members and said spring means and comprising a bell crank lever rotatable in accordance with the movements of said centrifugal members and having one arm in engagement with said spring means, the initial movement of said lever being resisted only by one of said springs and additional movement of said lever being resisted only by another of said springs, control means, and means connecting said control means and said bell crank lever, said connecting means comprising a second lever pivoted on the other arm of said bell crank lever and connected to said control means, and manually operable means providing a movable fulcrum for said second lever.

7. In a centrifugal governor having provision for governing at a low speed and at a higher speed, with manual control of intermediate speeds, a manually operable arm movable between full closed and full open positions, control means, means connecting said arm and said control means, and a manually operable member for limiting the movements of said arm to movements between low speed position and full open position and for moving said arm to full closed position.

2,270,101
LUBRICANT
Herman E. Ballard, Berkeley, Calif.
No Drawing. Application April 26, 1939, Serial No. 270,197
3 Claims. (Cl. 252—33)

1. A lubricating composition comprising glycerine, a small amount of sodium hydroxide, and a small amount of sodium secondary-alcohol sulphate.

2,270,102
LUBRICANT
Herman E. Ballard, Berkeley, Calif.
No Drawing. Application April 26, 1939, Serial No. 270,198
2 Claims. (Cl. 252—56)

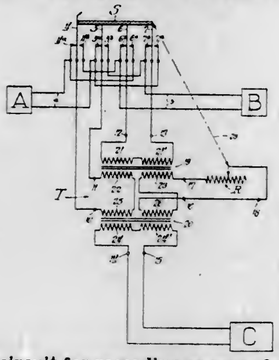
1. A lubricating composition for metal parts exposed to water solutions of strong alkalies consisting of a hydro-carbon oil base, and small amounts of oleic acid and dehydrated calcium chloride.

2,270,103
PILE FABRIC AND METHOD OF MAKING THE SAME
Harold H. Baynton, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application March 8, 1940, Serial No. 323,013
7 Claims. (Cl. 139—406)



1. A pile fabric comprising a conspicuous primary design motif, in combination with a more subtle secondary design motif, the primary design motif comprising areas of looped pile looped to a predetermined height together with areas of cut pile looped to a predetermined greater height, the areas of looped and cut pile bordering each other, the secondary design motif comprising lines of pile voids disposed in the areas of cut pile.

2,270,104
COMMUNICATION SYSTEM
Cornelis Bevoort, Amsterdam, Netherlands
Application July 29, 1939, Serial No. 287,210
In the Netherlands August 10, 1938
20 Claims. (Cl. 179—1)

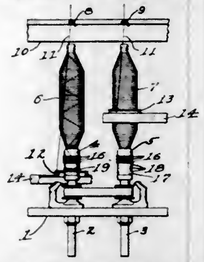


1. A circuit for recording or reproducing speech on a two-wire line which is adapted to establish two-way communication between two stations each having transmitting and receiving equipment, the recording or reproducing apparatus being tapped into said line at a point between said stations, the speech varying in intensity with the direction of transmission, the intensity of the recording or reproducing apparatus having to be as constant as possible, characterized in that at the tapping point the line is cut into a left- and a righthand part, a network having at least three sets of terminals being provided at this point, the attenuation being small between two sets and controllable between one of these sets and the third set, the line parts being connected to the first mentioned sets and the apparatus to the third set, such that the transfer attenuation between the two line parts is small, and is controllable between one of these line parts and said recording or reproducing apparatus.

2,270,105
LUMINESCENT MATERIAL AND METHOD OF MANUFACTURE
James N. Bowtell, Sudbury, Henry G. Jenkins, Pinner, and Alfred H. McKeag, North Wembley, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application April 18, 1940. Serial No. 330,372
In Great Britain April 19, 1939
3 Claims. (Cl. 250—81)

1. A method of producing luminescent cadmium tungstate which comprises preparing a solution A of pure sodium tungstate dissolved in distilled water in the proportions of 198 grams of sodium tungstate to 1 litre of water, preparing a substantially equivalent amount of a solution B of pure cadmium sulphate dissolved in distilled water in the proportions of 154 grams of cadmium sulphate to 1 litre of water, adding approximately 1% of solution A to the whole of solution B and filtering off the precipitate, adding to the resulting filtrate the remainder of solution A and again filtering off the precipitate, then washing the latter precipitate in distilled water, drying it, and heating it at approximately 875° C. for one hour in air.

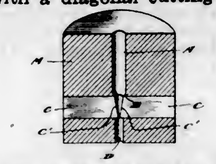
2,270,106
YARN CARRIER PACKAGE
Chester H. Boyce, Blackstone, Mass.
Application July 31, 1940, Serial No. 348,669
2 Claims. (Cl. 242—160)



1. In a yarn carrier package, a carrier having a base with a shaft portion extending therefrom on which the yarn is normally wound, holding means carried by the base for supporting the carrier within a shuttle body, and a grooved surface on the base located beyond said holding means and opposite to said shaft portion, for receiving terminal yarn windings to form an anchorage for the yarn end.

2,270,107
MECHANICAL PENCIL LEAD SHARPENER
Gertrude E. Cadot, New York, N. Y.
Application March 1, 1941, Serial No. 381,281
5 Claims. (Cl. 120—92)

1. A pencil sharpener for the lead of a mechanical pencil, comprising a block of material, provided with a longitudinal guiding recess for receiving the end of the pencil, and knife means provided with a diagonal cutting edge mounted



in and carried by said block beyond said recess, for operatively engaging with the lead of the pencil when the pencil is inserted in said recess.

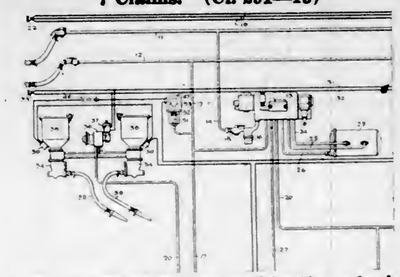
2,270,108
METHOD OF PRODUCING ALKYL COMPOUNDS OF LEAD
George Calingaert and Harold A. Beatty, Detroit, Mich., assignors to Ethyl Gasoline Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 16, 1938, Serial No. 190,876
14 Claims. (Cl. 260—437)

1. A method of making a mixture of lead tetraalkyl compounds containing lead mixed-alkyl compounds, which comprises producing by means of a catalyst an interchange of alkyl radicals between lead tetraalkyl molecules, there being at least two different alkyl radicals present.

2,270,109
MANUFACTURE OF METHYL AND ETHYL LEAD COMPOUNDS
George Calingaert and Harold A. Beatty, Detroit, Mich., assignors to Ethyl Gasoline Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 16, 1938 Serial No. 190,877
19 Claims. (Cl. 260—437)

1. The process of making a mixture of methyl and ethyl lead tetraalkyl compounds including the methyl-ethyl lead compounds which comprises reacting ethyl chloride and a methyl halide with a sodium lead alloy, having a sodium content between 7 and 18 percent by weight, in the presence of a catalyst.

2,270,110
SANDING SYSTEM WITH BRAKING RATIO CONTROL
Charles A. Campbell, deceased, late of Watertown, N. Y., by Carrie E. Campbell, administratrix, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application November 25, 1940, Serial No. 367,144
7 Claims. (Cl. 291—15)



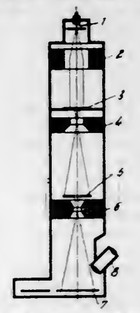
1. In an air brake, the combination of a brake cylinder; a brake controlling valve device operable to establish brake controlling pressures; a relay interposed between the brake controlling valve device and the brake cylinder and serving in response to such controlling pressures to establish related pressures in the brake cylinder, said relay including means for changing the ratio between the controlling pressure and the related pressure; means for sanding wheels braked by said brake cylinder; protective means responsive to an inoperative condition of said sanding means; and connections between said protective means and the relay arranged to set the relay for a low ratio when the sanding means is inoperative.

2,270,111
DRIER
Edwin F. Daley, Brooklyn, N. Y., assignor to Frederick S. Stout, Camden, N. J.
Application August 3, 1940, Serial No. 350,495
8 Claims. (Cl. 34—44)



3. In a drier, an elongated casing, an endless support having a run moving through the casing from end to end thereof, an inlet for the casing adjacent that end thereof at which said run leaves the casing, an outlet for the casing at the opposite end thereof, an adjustable baffle arranged between said inlet and outlet and adapted to deflect air passing from the inlet to the outlet downwardly upon material arranged on said run to an extent controlled by the position of said baffle, means including a humidostat arranged in the casing for positioning said baffle and controllable heating means for heating the air introduced through said inlet.

2,270,112
ELECTRON OPTICAL DEVICE
Bodo v. Borries, Berlin-Spandau, and Heinz Otto Müller, Berlin-Pankow, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application January 28, 1939, Serial No. 253,274
In Germany January 28, 1938
3 Claims. (Cl. 250—49.5)



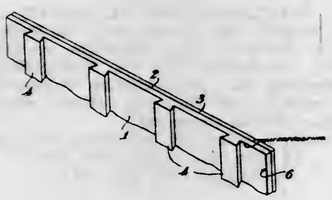
1. Electron-optical device for producing mag-

nified images of objects, comprising in combination a vertical vacuum vessel, irradiating means disposed in the upper portion of said vessel for producing a substantially vertical electron beam, means in said vessel for accommodating an object to be examined in the path of said beam, an electron-optical lens system for producing a magnified image of the object, a luminous screen and a carrier for a photographic layer, said carrier and said screen being movable relatively to each other and arranged at the bottom of said vessel, means for displacing said carrier and said screen for placing them in the same optical plane and in the same position relative to said beam, and a light-optical microscope arranged on said vacuum vessel between said lens system and said screen and carrier to allow observing the image on said screen from the side of incidence of said beam for focusing said image before photographically fixing it by means of said carrier.

2,270,113
COMPOUNDED OIL
James O. Clayton and Bruce B. Farrington, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 10, 1940, Serial No. 339,660
24 Claims. (Cl. 252—32)

1. A liquid compounded hydrocarbon oil containing a metal salt of an organic acid in an amount sufficient substantially to increase the corrosivity of said oil, and a corrosion inhibitor comprising an ester containing an amino substituent.

2,270,114
SHUTTERING BOARD
William Galloway Duncan, London, England, assignor to Interlox Structures Limited, London, England
Application May 7, 1940, Serial No. 333,865
In Great Britain July 13, 1939
2 Claims. (Cl. 72—16)



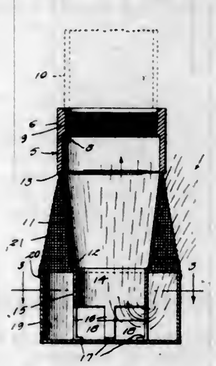
2. A composite board for use in building up permanent shuttering comprising a front layer having an ornamental face, a rear layer of heat and sound insulating material, an interstitial adhesive waterproof layer uniting said rear insulating layer to said front ornamental layer, said rear insulating layer being provided with a plurality of spaced apart undercut apertures formed therein adapted to receive keying projections formed in situ as moldable material applied to said rear insulating layer, and a thin outer waterproof layer covering the rear outer surface of said rear insulating layer and the portions exposed by said undercut apertures.

2,270,115
MUFFLER FOR INTERNAL COMBUSTION ENGINES
Samuel Eliot, Newton, Mass.
Application June 28, 1939, Serial No. 281,610
10 Claims. (Cl. 181—51)



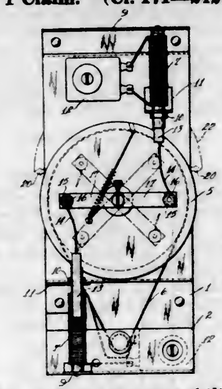
1. A muffler structure for the exhaust gases of an internal combustion engine mounted on an airplane or other motor vehicle comprising an expansion chamber for said gases, and a suction-induced discharging means of "aerofoil" form for receiving the gases from said chamber and discharging them into the atmosphere in a region where suction is created by the motion of the vehicle on which it is mounted.

2,270,116
SCREEN AND TRAP ATTACHMENT
Edgar D. Featherston and Raymond E. Petry, Richmond, Ind.
Application March 14, 1940, Serial No. 323,976
10 Claims. (Cl. 210—170)



1. A combined screen and trap attachment for delivery lines comprising an annular head for connection to the line, a suction cup disposed below, coaxially arranged with and of greater diameter than said head, an upstanding frusto-conical screen having its lower terminal portion encompassing and secured to the upper terminal portion of the cup, said screen having its upper end secured to the lower end of said head, a deflector depending from the lower end of the head and encompassed in spaced relation by said screen, a combined deflector and intake forming member depending from the lower end of said deflector and supported and encompassed in spaced relation by said suction cup, the said deflector gradually increasing in diameter from its lower to its upper end, and said member being of uniform diameter and of less diameter and height than the said deflector.

2,270,117
RADIO RECEIVER
John V. Fill, Dobbs Ferry, N. Y., assignor to Ferrocart Corporation of America, Hastings on Hudson, N. Y., a corporation of Delaware
Application March 3, 1939, Serial No. 259,649
1 Claim. (Cl. 171—242)



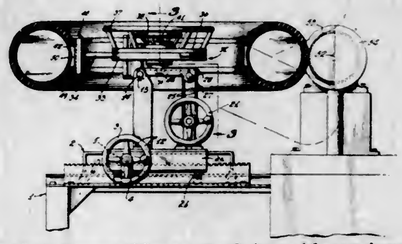
In a radio receiver, a permeability tuned circuit comprising a tubular coil form, a coil on said form, a magnetic core slidable in said coil form, a length of piano wire having one end rigidly secured to said core, and tuning means for adjusting said core; said tuning means comprising a shaft carrying a crank arm, a member rotatably mounted on the outer end of the crank arm, the other end of said piano wire having the form of an open eye extending about and resiliently held to said member.

2,270,118
PRODUCTION OF COLORED PHOTOGRAPHIC PICTURES
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application December 13, 1937, Serial No. 179,591. In Great Britain December 14, 1936
40 Claims. (Cl. 95—6)

2. In a process of producing a photographic dyestuff image in a photographic emulsion uniformly dyed by an azo-dye and also comprising a silver image, the step of treating said silver image with a solution comprising a substance which is capable of forming complex silver compounds and which acts to selectively destroy said azo-dye by reduction in the presence of said silver image, said solution also comprising a small amount of a reducible organic accelerating substance selected from the group of those reducible substances, the reduction products of which are reoxidizable during the treatment of said silver image with said solution to the original reducible substance, said solution being such that the reduction products of said reducible substance are reoxidizable during the treatment of said silver image and said solution being substantially free of reducing substances capable of being converted into said reducible organic substance by oxidation.

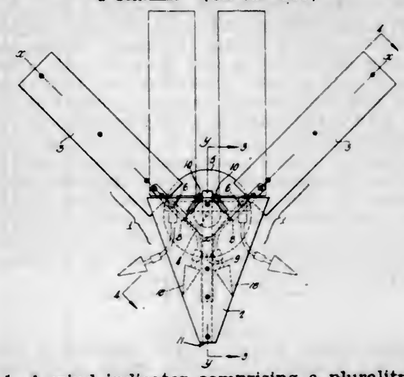
2,270,119
TIRE BUFFING MACHINE
Jack Green, Norfolk, Va.
Application May 19, 1939, Serial No. 274,644
4 Claims. (Cl. 51—94)

3. A tire buffing machine having an abrading means and a carriage slidable with respect thereto, an upright standard on said carriage, a table pivoted at one end to said standard and adapted for vertically swinging movement about said pivot, a work support rotatable on said table, means for clamping work to said support, a



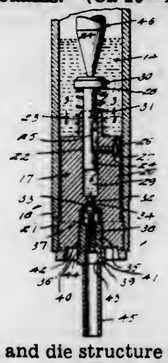
bracket immovably secured to said carriage, a shaft journalled in said bracket, and means operatively connected at one end with said shaft and at the other end with the free end of said table for actuating said table about its pivoted axis when said shaft is rotated.

2,270,120
WIND VELOCITY AND DIRECTION INDICATOR
Norman J. Greene, Berwyn, Pa.
Application April 23, 1941, Serial No. 390,010
4 Claims. (Cl. 73—189)



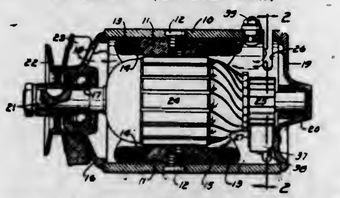
1. A wind indicator comprising a plurality of relatively thin flat components horizontally arranged to form collectively a geometric figure of predetermined contour in plan, means supporting said indicator for rotary movement bodily in a horizontal plane about a fixed vertical axis to indicate wind direction with one of said components pointing into the wind, means pivotally connecting the remaining components to said one component for said bodily movement therewith and for additional independent pivotal movement relative thereto and for independent pivotal movement relative to each other about vertical axes respectively in adjacent horizontal planes respectively to afford variation in the contour of said figure for indicating wind velocities, vertical vanes on said remaining components for engagement by the wind to effect said bodily movement of said indicator and resilient means normally resisting said independent movements of said remaining components relative to said one component and relative to each other in wind below a predetermined velocity.

2,270,121
STOCK AND DIE LUBRICATOR
Jesse R. Haeffner, Leavenworth, Kans.
Application April 2, 1941, Serial No. 386,524
5 Claims. (Cl. 10—126)



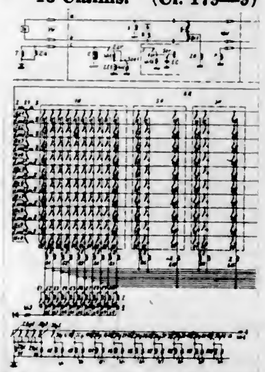
1. In a stock and die structure including a pair of radial operating handles, one of said handles being hollow and constituting a fluid reservoir, a valved body in the inner end of said one handle, said body including a normally closed spring-pressed valve, a fluid receiving chamber in said body inwardly of said valve, a plunger slidably carried by said body and movable into said chamber for ejecting the fluid therefrom, said plunger having a flat longitudinal face coacting with the wall of said chamber for providing a fluid passage communicating with said reservoir and said chamber, spring means normally urging said plunger outwardly of said chamber with a portion of said plunger projecting into said reservoir, said plunger also having a peripheral cutout, a threaded member carried by said body and engaging in said cutout to thereby limit the movement of said plunger under the action of said spring means, and gravity operated means slidable in said reservoir and engageable with said plunger to move said plunger inwardly of said chamber when said one handle is in a substantially vertical upper position for forcing a quantity of fluid past said valve.

2,270,122
GENERATOR
August Toelle, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 23, 1939, Serial No. 257,783
3 Claims. (Cl. 171—252)



1. A generator especially adapted for use on motor vehicles comprising, a tubular frame, said frame having diametrically opposed pole pieces therein with a field winding disposed around said poles, a generator head detachably secured over one end of said frame, a brush holder plate detachably secured over the other end of said frame, said head and plate having aligned bearings therein, an armature shaft rotatably mounted in said bearings, an armature and commutator affixed to said shaft within said frame, a combined driving pulley and fan affixed to said shaft exteriorly of said head, said head having an annulus of openings therein and said fan being so disposed that upon rotation of said pulley air will be drawn through said openings, said frame having a plurality of relatively narrow slots extending therethrough in substantial radial alignment with the commutator of said armature, said slots being sufficiently restricted that air drawn therethrough by said fan will attain sufficient velocity to be injected inwardly against said commutator.

2,270,123
TELEPHONE SYSTEM
Ernst Horn, Berlin-Friedenau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 27, 1939, Serial No. 276,142
In Germany May 30, 1938
13 Claims. (Cl. 179—9)

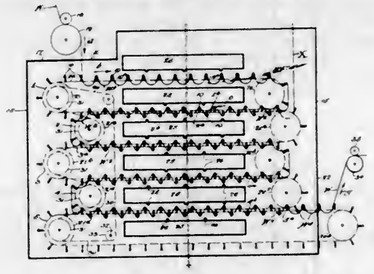


1. In a telephone system, subscribers' lines each having an individual meter at the exchange, a plurality of registers each common to all of said lines, means for extending a call from any of said lines, means for associating any one of said registers individually with the calling line, means effective after said call has been extended to operate the calling line's individual meter, and means controlled by said meter responsive to said operation thereof to cause said one register to register the identity of said calling line.

2,270,124
LUMINESCENT MATERIAL
Magdalene Hüniger, Berlin-Charlottenburg, and Hans Panke, Berlin, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application February 27, 1939, Serial No. 258,858. In Germany March 2, 1938
3 Claims. (Cl. 250—81)

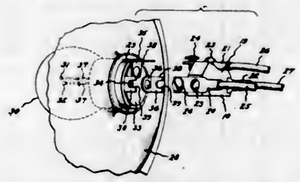
1. A luminous substance comprising a heat treated combination of one or more of the materials belonging to the group of compounds consisting of the borates and phosphates of the alkali metals, the metals of the second group of the periodic system excepting mercury, and the metals of the third group of the periodic system, activated by 0.05 to 30 mol per cent of one or more activating materials belonging to the group of compounds consisting of the borates and phosphates of silver, thallium, tin and lead.

2,270,125
DRIER FOR CONTINUOUS WEB, STRIP, OR STRING MATERIALS
Alpheus O. Hurxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application August 4, 1939, Serial No. 288,419
10 Claims. (Cl. 34—159)



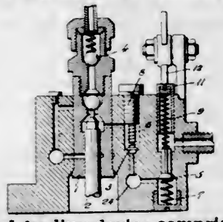
1. In a drier for continuous materials, two superposed horizontal substantially parallel concurrently movable conveyer sections each including a pair of laterally spaced side chains disposed in a common plane and a series of transverse laterally spaced girts disposed in a common plane substantially parallel to but spaced apart from the common plane of said side chains, and means supporting said girts in said spaced plane with the girts of each section projecting through the other of said sections and disposed in a plane beyond the plane of the side chains of said other section with the girts of each section interposed between and alternating with the girts of the other of said sections in staggered relation thereto.

2,270,126
ELECTRICAL TERMINAL AND CONNECTOR STRUCTURE
Wilber M. Johnson, Cleveland, and Elmer B. Isaac, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application July 12, 1939, Serial No. 284,073
4 Claims. (Cl. 176—32)



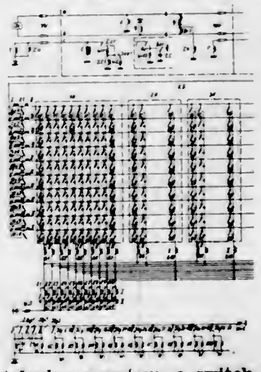
4. An electric lamp comprising a glass enveope having at least one filament sealed therein, and a terminal structure comprising a plurality of cup members at the exterior of said envelope having their edges fused into a wall of said envelope around openings therein, lead-in conductors supported by said cups and electrically connected to said filament, and a plurality of L-shaped prong members corresponding in number to said cup members, said prong members being supported by their base portions from said cup members and being electrically connected one to each of said cup members, the stem portions of said prong members extending outwardly from said envelope substantially parallel to each other for making connection with an electrical connector.

2,270,127
ARRANGEMENT FOR REGULATING THE OUTPUT OF FUEL PUMPS FOR INTERNAL COMBUSTION ENGINES
Arthur Kravits, Budapest, Hungary, assignor of one-half to Aurel Nemes, Budapest, Hungary
Application March 7, 1939, Serial No. 260,256
In Germany March 29, 1938
3 Claims. (Cl. 103—37)



1. In a fuel feeding device comprising a plurality of fuel pump cylinders, a throttling member provided in the section of the fuel admission channel common to all the pump-cylinders and secondary throttling members consisting of spring loaded non-return valves inserted between said master throttling member and the admission apertures of said pump cylinders, the secondary throttling members being submitted to a spring load at least so large that the largest cross-sectional area of said secondary throttling members even in fully open state of the master throttling member be smaller than the smallest passage between said master throttling member and the several pump cylinders.

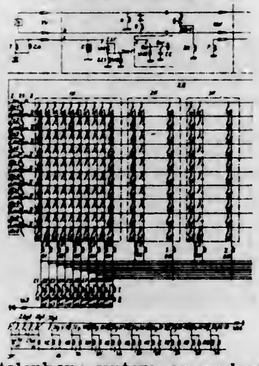
2,270,128
TELEPHONE SYSTEM
Max Langer, Berlin-Hermsdorf, and Ernst Horn, Berlin-Friedenau, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 27, 1939, Serial No. 276,140
In Germany May 30, 1938
7 Claims. (Cl. 179—9)



1. In a telephone system, a switch, means for seizing said switch, a guard circuit thereupon effective including an electro-magnetic device and a source of potential, said device having a certain potential impressed upon it over said circuit by said source but being normally not operated by said potential, a resistor, a relay, means operated to connect said resistor and the winding

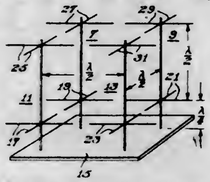
of said relay in said circuit to change the potential impressed upon said device by said source thereby to operate the device, said relay operated responsive to the connection of its winding in said circuit and effective thereupon to disconnect said resistor from said circuit, thereby to again change the potential impressed upon said device by said source.

2,270,129
TELEPHONE SYSTEM
Max Langer, Berlin-Hermsdorf, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 27, 1939, Serial No. 276,141
In Germany May 30, 1938
20 Claims. (Cl. 179—9)



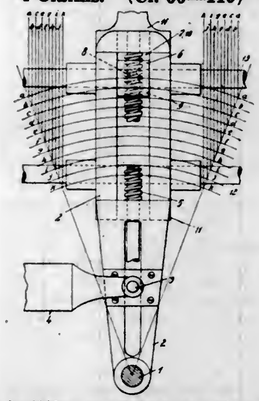
1. In a telephone system, an exchange serving a plurality of subscribers' stations, each station having an individual meter at the exchange, means for extending a call from any of said stations, means effective after said call has been extended to operate the calling station's individual meter, and means common to said meters thereafter controlled by said operated meter to register the number of said calling station.

2,270,130
DIRECTIVE ANTENNA SYSTEM
Edmund A. Laport, Montreal, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1940, Serial No. 354,869
7 Claims. (Cl. 250—11)



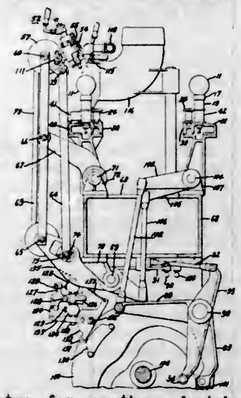
4. In a marker system for radiating a radio frequency field in a vertical direction, the combination comprising a plurality of turnstile antennas spaced a half wave length apart, each of said turnstile antennas comprising a plurality of vertically disposed pairs of crossed horizontal dipoles, means including a source of radio frequency energy coupled to said dipoles for energizing said dipoles to produce maximum radiation in a vertical direction, and means for establishing a phase quadrature relation between energizing currents for upper and lower dipoles of each turnstile lying in one plane with respect to energizing currents for dipoles lying in a plane perpendicular thereto.

2,270,131
UNIFORM ADVANCE OF THREAD GUIDE
Erich Leupold, Lichtensteig, Switzerland
Application April 3, 1941, Serial No. 386,711
In Germany January 24, 1940
4 Claims. (Cl. 66—110)



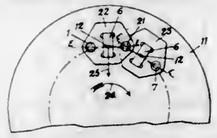
1. A flat knitting machine provided with a device for obtaining a uniform advance of the thread guide or thread carrier in which the movement to be performed by the slurs moving bar (slurs connecting bar) is varied in dependence on the feed movements of the narrowing tackle, comprising an arm the swinging angle of which is invariable, and a slurs moving bar driven by said arm, the variations in the effective length of said arm being controlled by the narrowing tackle of the knitting machine.

2,270,132
COATING APPARATUS
John J. Malloy, Cleveland Heights, and Erich M. Hofmann, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application November 26, 1938, Serial No. 242,582
3 Claims. (Cl. 91—45)



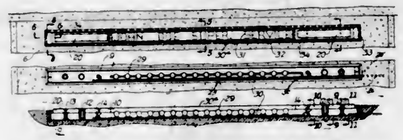
1. Apparatus for coating electric lamps or similar articles comprising a head adapted to support a lamp, a carrier for continuously moving said head along a predetermined path, a spray gun located adjacent a portion of said path for coating the lamp held by the head, means for causing said spray gun to be directed at, and travel with, said head during the movement thereof through said portion of the path to permit the lamp held thereby to be coated by said spray gun, means for moving said spray gun vertically to cause the coating material to be equally distributed over the length of the lamp, and means for rotating said head during said portion of said movement to cause the coating material to be applied equally on all sides of the lamp.

2,270,133
CHAIN DRIVE
Albrecht Maurer, Bad Homburg, vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application July 27, 1939, Serial No. 286,881
In Germany July 30, 1938
8 Claims. (Cl. 74—235)



1. A chain including a plurality of link assemblies each including a pair of pintle pins and a plurality of fixed link plates spaced along, apertured to engage, and held against rotation on the pintle pins, a plurality of bearing bushings rotatably mounted on the pintle pins, between the fixed plates, a plurality of floating link plates, apertured to engage, and held against rotation on the bushings joining the link assemblies, the link plates having aligned apertures intermediate their ends, rollers socketed within said apertures in edge to edge contact, one roller extending beyond each side of the link assemblies and adapted to engage the opposed walls of a generally V-shaped slot in which the chain can travel.

2,270,134
ELECTRIC SIGNAL AND ILLUMINATED SIGN
Russell A. Meador, Washington, D. C.
Application November 28, 1938, Serial No. 242,806
4 Claims. (Cl. 40—133)

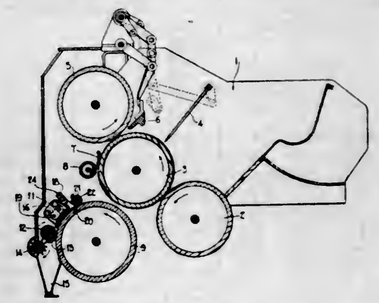


1. A vehicle controlled illuminated sign device adapted to be embedded in a roadway and to have its illuminating means operated by a vehicle traveling thereover, said device comprising a casing normally open at its top and including a vehicle operated depressible tread forming a cover closing said open top of the casing, said cover having light emitting means constructed and arranged to form a sign display, electrical illuminating means in the casing, and a switch device in the casing operated by depression of the tread to connect said illuminating means with a source of current supply.

2,270,135
PRODUCTION OF ISOMERIC TRIOXYMETHYLENE
Louis A. Mikeska, Westfield, and Erving Arundale, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 7, 1939, Serial No. 298,518
13 Claims. (Cl. 260—340)

1. The method of producing isomeric trioxymethylene which comprises contacting trioxymethylene with a catalyst selected from the group consisting of volatile metallic halides and volatile halides of boron and silicon dissolved in an inert organic solvent.

2,270,136
TOBACCO FEEDING APPARATUS
Desmond Walter Molins, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application April 22, 1939, Serial No. 269,517
In Great Britain May 12, 1938
16 Claims. (Cl. 131—109)

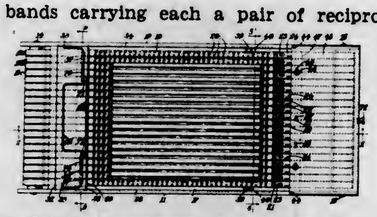


1. Apparatus of the class described, comprising guides between which tobacco is fed in the form of a plurality of substantially parallel, adjacent, separate, relatively narrow streams arranged side by side in a direction transverse to that in which the tobacco is fed, and arranged to extend over a relatively great width, a separate confining passage for each of said narrow streams, each said confining passage having opposed surfaces which determine both the thickness and width of the tobacco in the stream, means for feeding the stream into one end of and through the passage, and conveyor means to remove the tobacco from the opposite end of the passage at a slower speed than that at which it is fed into the passage so that the tobacco is compacted in the passage due to the reduction of speed of the tobacco particles when in the passage.

2,270,137
CIPHER APPARATUS
Morgan Cyprian McMahon O'Brien, Baldock, England, assignor to O'Brien Cipher Machines Limited, London, England, a British company
Application May 11, 1939, Serial No. 273,120
In Great Britain June 27, 1938
11 Claims. (Cl. 35—2)

1. An enciphering and deciphering machine comprising a plurality of flexible bands arranged side by side and settable individually each to any one of a number of positions equal to the number of characters in a plain alphabet and allocated respectively and consecutively to said characters,

said bands carrying each a pair of reciprocal



cipher alphabets arranged side by side lengthwise of the band.

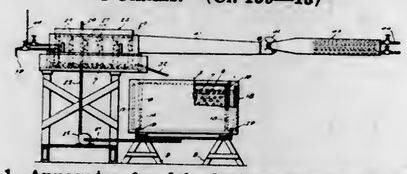
2,270,138

APPARATUS FOR DEHYDRATING SIRUP OR THE LIKE

Donald J. Pentzer, Herbert G. Miller, and Lee F. Moon, The Dalles, Oreg.

Original application July 6, 1938, Serial No. 217,786. Divided and this application January 27, 1939, Serial No. 253,180

4 Claims. (Cl. 159—13)



1. Apparatus for dehydrating sirup or the like, said apparatus comprising an elongated sirup receptacle having relatively low side and end walls and sirup discharging means, an elongated baffle chamber resting on the bottom of said receptacle, said chamber comprising end and side walls rising above the level of the walls of said receptacle with the sides of said chamber spaced laterally inwardly from the side walls of said receptacle, horizontal panels extending between the sides of the chamber and the tops of the side and end walls of said receptacle and closing the top of the receptacle, a shallow pan supported at the upper edges of the side walls of said chamber and closing the top of the chamber, said pan being formed with transverse rows of perforations, means feeding sirup into said pan, transverse tiers of vertically spaced horizontal staggered baffles under the rows of perforations onto which the sirup falls, means spacing major portions of lower portions of the side walls of said chamber above the bottom of the receptacle and establishing communication between the chamber and the outlying portions of said receptacle, the end walls of said chamber having air passing openings, and means at one end of said chamber for forcing a stream of heated air longitudinally through said chamber and the tiers of baffles therein.

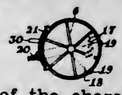
2,270,139

DISPENSER

Alphonso Paul Petway, Waco, Tex.

Application November 7, 1939, Serial No. 303,170

1 Claim. (Cl. 221—144)



In a machine of the character described, a dust container, said container having discharge openings, a closure member rotatably mounted at the bottom of the container and having a portion adapted to normally close said openings, the container having a rim at the bottom thereof, lips carried by the closure member and overhanging the rim for retaining the closure member in a position to rotate with respect to the bottom of the container, coacting locking means carried by the closure member and container for locking the closure member in a selected position whereby the discharge openings may be selectively fully opened as well as varied to control the amount of discharge from the discharge openings, the container constituting one member and the closure member constituting a second member, the coacting locking means comprising an apertured arc-shaped element carried by one member and a releasable plunger carried by the other member for engaging the apertured arc-shaped element.

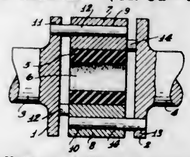
2,270,140

UNIVERSAL JOINT

Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York

Application December 13, 1939, Serial No. 309,054

5 Claims. (Cl. 64—13)



2. In a flexible coupling, a pair of main members, a substantially cylindrical elastic element between the main members, circumferentially spaced metal elements imbedded in and of substantially equal thickness with the elastic element and extending inwardly radially from the periphery thereof, said metal elements being substantially sector shape as viewed in transverse section, and means connecting opposite main members to alternate metal elements, said last named means being rigidly spaced radially from the axis of the elastic element a distance less than that of receiving holes therefor in the metal elements before assembly therewith whereby they coact with the metal elements in maintaining the elastic element in a state of compression upon assembly.

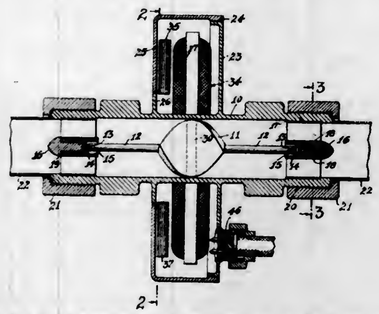
2,270,141

FLOWMETER

David M. Potter, Drexel Hill, Pa., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application November 12, 1938, Serial No. 239,975

15 Claims. (Cl. 73—231)



1. In a mechanism comprising a hollow support, a bearing carrier therein, and a plurality of annular spoke elements therebetween axially parallel to the bearing carrier, at least one of said elements comprising an annular spring insertible after assembly of the other elements and carrier to retain the carrier in fixed position in the support hollow, said carrier and support having recesses within which said elements engage.

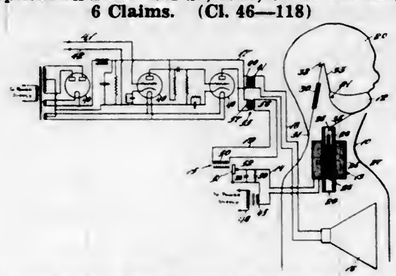
2,270,142

ELECTRICALLY CONTROLLED FIGURE OR DOLL

George De Witt Robinson and Theodore B. Robinson, Edgewood, R. I.

Application December 21, 1938, Serial No. 247,040

6 Claims. (Cl. 46—118)



1. In combination, a toy figure or doll having a movable lower jaw, a source of modulated electric currents, an electrically operated voice reproducing device responsive to said modulated electric currents, means tending to mechanically urge the movable jaw into a normally closed position, an electric circuit of fixed voltage, electromagnetic mechanism in said circuit comprising an electrical relay for interrupting flow of electric current in said circuit and a solenoid responsive to said relay and actuated by the electric currents in said circuit, said solenoid having a movable core armature connected to said movable jaw for moving the same into open position, said relay being normally biased to keep said circuit closed for exciting said solenoid to hold the movable armature thereof in a position where said mechanical jaw closing means will hold the jaw in a closed position, said relay being actuated by said modulated electric currents and normally unresponsive to variations in said modulated electric currents below a predetermined selected level of amplitude and/or intensity but responsive to all other increases in amplitude and/or intensity in excess of such predetermined level to modify or render ineffective the effect of said mechanical jaw closing means and thereby to control the operation of said solenoid to cause movements of said jaw in synchronism with and appropriate to all emitted speech or variant sounds, whereby the jaw will drop upon being subjected to a pull exerted thereon by the weight of the solenoid armature in falling when the solenoid is de-energized by interruption of flow of electricity in said electric circuit upon movement of the relay into an open circuit position.

2,270,143

SEPARATING MILL

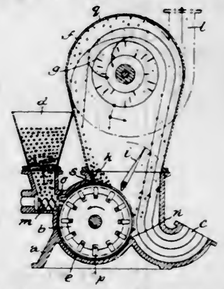
August Schaich, Dresden, Germany

Application November 10, 1937, Serial No. 173,780

In Germany March 3, 1937

2 Claims. (Cl. 83—11)

1. In a grinding and separating mill of the character described, a rotating grinding roller with mounted beating hammers, a centrifugal separating wheel elevated with respect to said roller, a casing for said roller and said wheel, one portion of said casing comprising a substantially semicircular casing anvil adjacent said rotor and having a supply channel for the admission of material to be ground and a delivery edge for delivering ground material where said roller separates from said semicircular casing anvil, an air entrance pipe substantially tangential to said roller at said delivery edge of said semicircular casing anvil, whereby material delivered from between said roller and said casing anvil joins a column of air traveling in substantially the same direction, a second portion of said casing being a covering for said separating wheel and being



adapted to guide the mixed air and delivered material as a rotating annular column of a cross-sectional area substantially equal to the cross-sectional area of the column at said delivery edge, said wheel being adapted to rotate in the same direction as the column, said wheel having a series of radial plates substantially equal in area and arranged in series, the last plate of each series being furthest away from the axis of said wheel and, successively, the more advanced plates being nearer to the axis, and a damper located within said casing between said roller and said wheel and adjacent said roller.

2,270,144

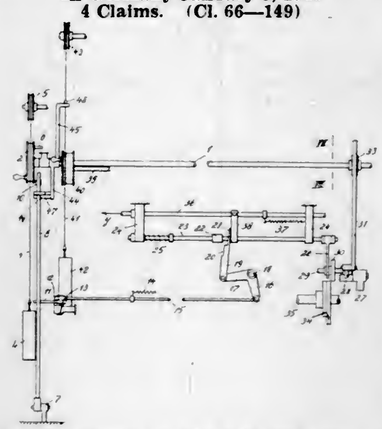
DEVICE FOR TURNING WELTS

Carl Scherpe and Fritz Köhler, Chemnitz, Germany

Application April 3, 1941, Serial No. 386,734

In Germany January 9, 1940

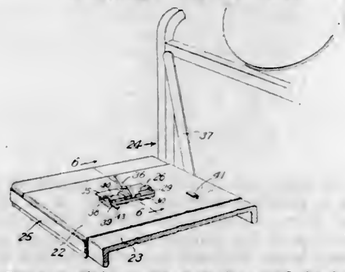
4 Claims. (Cl. 66—149)



1. A flat knitting machine as set forth, comprising a welt bar shaft extending over the entire length of the machine, a rope wheel rotatably mounted upon said welt bar shaft, a fabric roller shaft also extending over the entire length of the

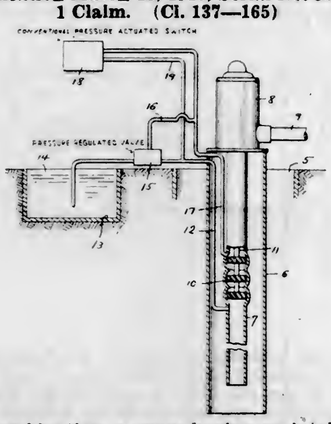
machine, a guide roller, a weight connected to a rope placed over said guide roller and over said rope wheel and loading said welt bar shaft, a second guide roller, a second weight connected to a second rope placed over said second guide roller and loading said fabric roller shaft, the arrangement being such that with said welt bar shaft loaded by said first mentioned weight transfer movement of the welt bars for the purpose of closing welts is prevented, and that said fabric roller shaft is loaded by said second weight up to a definite height controlled by said welt bar shaft.

2,270,145
REGISTER GAUGE
Leslie C. Sparks, Galva, Ill.
Application February 19, 1940, Serial No. 319,764
3 Claims. (Cl. 101—414)



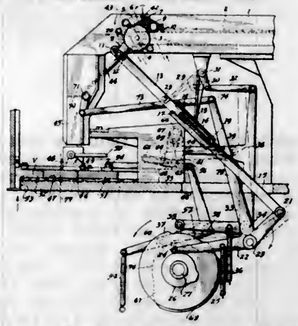
2. In a register gauge, a base plate having a stop member thereon, a feed arm pivotally connected with the base plate, a sheet engaging feed head mounted on the free end of the arm, a spring attached to the stop member and connected with the head of the arm to yieldingly urge the arm to a retracted position against the stop, an operating arm pivotally connected to the stop for movement in a plane perpendicular to the plane of movement of the feed arm, and an angular projection on the operating arm disposed to bear against the intermediate portion of the feed arm to swing the latter to projected position when the operating arm is depressed.

2,270,146
WELL PUMP
Jesse Oliver Steele, Lund, Utah
Application March 13, 1940, Serial No. 323,821
1 Claim. (Cl. 137—165)



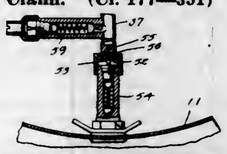
In combination, a pump having an intake pipe extending downwardly into a reservoir, said pipe having an impeller mounted therein, a second intake pipe connected to the first named intake pipe below the impeller and extending upwardly into a second reservoir to draw liquid from the second reservoir into the intake pipe by suction created therein by the impeller, a pressure regulated valve in the second intake pipe for controlling communication therethrough and a pressure pipe connected to said first-named intake pipe above the impeller and operatively connected to the valve.

2,270,147
APPARATUS FOR FEEDING FILLER TOBACCO TO CIGAR MACHINES
Franz Heinrich Benno Stelzer, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller, N. V., Rotterdam, Netherlands
Application August 24, 1938, Serial No. 226,457
In Germany September 3, 1937
6 Claims. (Cl. 131—21)



1. A tobacco feeding device comprising a continuous tobacco conveyor, a pawl and ratchet drive for said conveyor, a driven cam, a lever swingably mounted for operation by said cam, an arm connected to be moved with said lever, a second arm connected to said pawl and ratchet drive, a resilient driving connection between said arms whereby to operate said conveyor from said cam, and means for interrupting the feeding of said conveyor including a stop for said second arm.

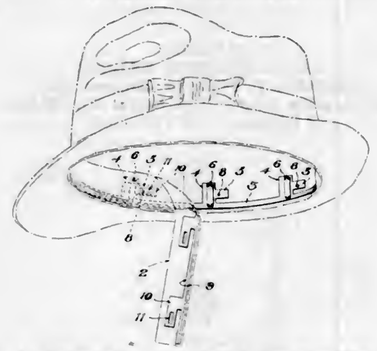
2,270,148
LOW TIRE PRESSURE INDICATOR
Lester V. Stowe, Junction City, Calif., assignor of fifty per cent to Gilbert W. Sheehan, Daly City, Calif.
Application May 9, 1940, Serial No. 334,261
1 Claim. (Cl. 177—351)



A tire pressure indicator comprising, the combination with a wheel having a pneumatic tire, of an ammeter, a relay, an arcuate resistance coil connected to and insulated from the wheel, an arcuate series of commutator bars secured to and insulated from the wheel, taps connected at intervals to the coil and connected to respective commutator bars, a selected commutator bar of the series being disconnected from the coil, a pivoted tire pressure responsive arm having wiping

engagement with the commutator bars arranged so that contact of the arm with the commutator bar having no tap effectively electrically disconnects the arm and resistance coil at the disconnected commutator bar so that no current will flow from the coil through the arm, the ammeter, a relay, and the resistance coil being connected in series circuit, a signal lamp, and a circuit for the lamp controlled by the relay, the arrangement being such that when the relay coil is energized the lamp circuit is broken, the pressure responsive arm coacting with the resistance coil on both sides of the dead space in the coil to produce readings on the ammeter corresponding to variations in tire pressure, said arm coacting with the dead space through the disconnected commutator bar through a predetermined time period to open the circuit of the ammeter and relay coil and permit the relay to close the lamp circuit.

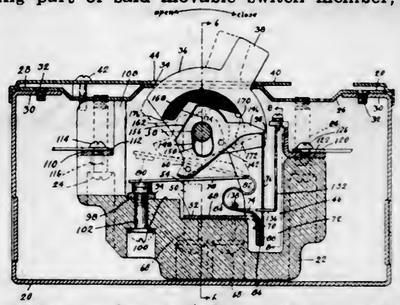
2,270,149
HAT
Sven Gustavo Svensson, Buenos Aires, Argentina
Application April 18, 1940, Serial No. 330,400
4 Claims. (Cl. 2—181)



1. A removable hat band construction for crowns of hats, comprising, a carrier strip of flexible material adapted to be secured to the inner periphery of the crown, a plurality of ears vertically offset from the strip, a horizontally disposed extension carried by each of said ears, a stud on each extension, clips of strip-like form arranged vertically on the said ears and having the opposite ends thereof secured to said ears to provide in effect keeper loops, a second carrier strip of flexible material secured to the hat band and provided with vertically offset right angular portions forming tongues, said tongues being provided with slots and adapted to slide beneath said clips whereby the slots receive the said studs when the said strips are in substantial registry and moved one relative to the other.

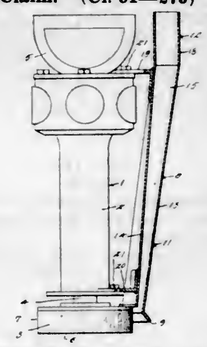
2,270,150
ELECTRIC SWITCH
Elmer H. Taylor, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application October 3, 1938, Serial No. 233,006
21 Claims. (Cl. 200—116)

16. In an electric switch, a supporting bracket comprising a plate having spaced upstanding arms and an intermediate downturned ear, a movable switch member comprising at least in part a resilient strip having an end part anchored to said ear, a reflexed spring-part and a contact-carrying part disposed above said plate between said arms, a bimetal strip fixed to said ear and extended thereabove, an actuator located between and supported by said ears having a latch part engaged removably by said bimetal strip and a cam part bearing on the contact-carrying part of said movable switch member, an



operating member pivoted on said arms and independent of said actuator and having cam surfaces engageable with said actuator for reciprocating it about said bimetal strip to open and close the switch, and means for effecting the current-responsive warping of said bimetal strip and remove it from supporting relation with said actuator to effect automatic opening of the switch.

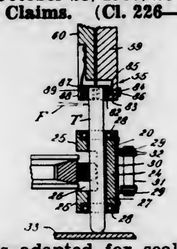
2,270,151
MEANS FOR COLLECTING DUST
Warren Franklin Terry, West Somerville, Mass., and Russell Edward Goodenough, Northfield, Vt.
Application June 28, 1940, Serial No. 342,984
1 Claim. (Cl. 51—273)



In a means for collecting dust or the like from an abrading machine having an abrading wheel, a suction nozzle attachment comprising a hollow nozzle body tapering from its intake end to its outlet end, the intake end being largest, the opposed walls of said intake end being concentric, and the outer one of said opposed walls being longer than the inner wall whereby the extended portion of said outer wall will confront a portion of the peripheral edge of said wheel, a downwardly and outwardly inclined deflector secured at its upper edge to the lower end of said extended outer wall portion and confronting the peripheral edge of said wheel, and means for securing said nozzle at one side of said machine and substantially in parallel relation to the longitudinal axis of the latter and at right angles to the plane of movement of the dust particles

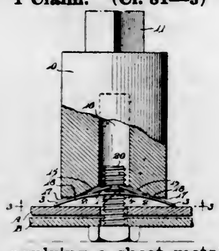
generated by the wheel, the lower edge of said deflector when the nozzle is in applied position being disposed in upwardly spaced relation to the working face of the wheel, and the inclination of said deflector being such as to provide an enlarged mouth whereby the incoming air below the nozzle will flow in a direction opposed to the direction of the dust particles generated by the working face of said wheel.

2,270,152
TUBE SEALING
Edward Themak, Northport, N. Y.
Application October 28, 1938, Serial No. 237,482
29 Claims. (Cl. 226—80)



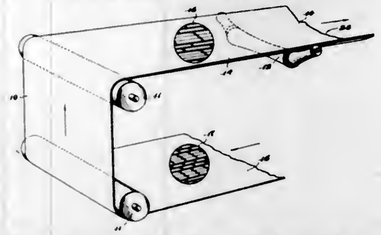
1. Apparatus adapted for sealing glass tubes comprising tube receptacles, tube receptacle advancing means operatively connected with said tube receptacles, a burner operatively positioned with respect to said receptacles, means for intermittently actuating said tube receptacle advancing means in a manner such that each tube receptacle in succession is advanced into position before the burner, is held in position before the burner for a sufficient length of time for sealing a tube positioned therein, and is then withdrawn from before the burner, a chuck adapted to grip the upper ends of glass tubes positioned in said tube receptacles held before the burner, and means for actuating said chuck in timed relation with said tube receptacle advancing means in such manner as to cause the chuck to grip the upper ends of such tubes after the tubes have been held before the burner for a sufficient length of time to have become softened.

2,270,153
TOOL
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 24, 1941, Serial No. 375,855
1 Claim. (Cl. 81—3)



A tool for applying a sheet metal spring fastener to tightened, tensioned, fastening position on a cooperating bolt or stud associated with work to be secured, the fastener having a resilient body and yieldable bolt or stud engaging elements projecting therefrom, said tool comprising a body member provided at one end with a recess and a bolt or stud passage communicating therewith, said passage being adapted to receive the bolt or stud and said recess being adapted to receive and clear said projecting stud engaging elements of the fastener, and a peripheral substantially continuous tool head bordering said recess having an inner diameter approximating the distance between the bases of said stud engaging elements projecting from the fastener body, whereby said tool is adapted to be applied in any position to the fastener to advance the same to fastening position on a supported bolt or stud with said substantially continuous peripheral tool head thereof engaging the fastener body in the areas adjacent the bases of the stud engaging elements projecting therefrom and with the wall of said recess of the tool clearing said projecting stud engaging elements so as to permit free, unimpeded movement of said stud engaging elements to the fastening position of the fastener on the bolt or stud, and whereby said tool head is adapted to tighten and tension the fastener in such fastening position by compressing the fastener body against the adjacent work under substantially direct axial thrust of the tool without deforming said projecting stud engaging elements of the fastener out of most effective fastening engagement with said bolt or stud.

2,270,154
LOAD-BEARING FABRIC
Benjamin L. Whittier, Ruxton, Md.
Application July 2, 1940, Serial No. 343,665
3 Claims. (Cl. 139—383)

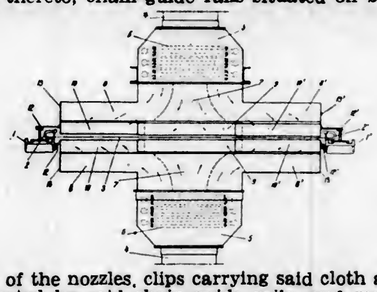


1. In an improved load-bearing web structure, a fabric in which the warp threads are longitudinally positioned with respect to said web structure, said fabric consisting of groups of multiple warp ends, the ends of each group lying in side by side contacting relationship throughout their lengths and woven as one warp end and warp ends intermediate each pair of said groups each separately woven, and a filler thread materially smaller and lighter than said warp threads passed in alternation over and under each group of multiple warp ends and in alternation over and under each of said separately drawn warp ends.

2,270,155
TENTER FOR THE TREATMENT OF CLOTH
Blanche Willen, Basel, Switzerland
Application May 23, 1940, Serial No. 336,693
1 Claim. (Cl. 26—60)

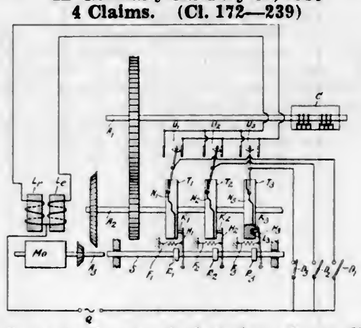
In a drying tentering machine and the like, in combination, a fixed nozzle situated close to the plane of a stretched cloth, the length of said nozzle corresponding to the minimum width of the cloth to be treated, extension nozzles situated on both sides of said fixed nozzle and slidable relatively thereto to vary the total operative length of the nozzles depending upon the width of the cloth to be treated, said nozzles having rows of

openings directed toward the cloth, a distributing manifold communicating with said fixed nozzle and having lateral extensions communicating with said extension nozzles, means connected with said distributing manifold for supplying a fluid thereto, chain-guide rails situated on both



sides of the nozzles, clips carrying said cloth and supported by said chain-guide rails, and members connecting said chain-guide rails with said extension nozzles, whereby the total operative length of the nozzles is varied when the spacing of the chain-guide rails is altered.

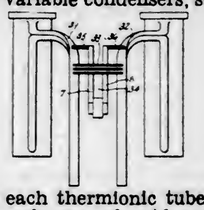
2,270,156
ADJUSTING OR TUNING MEANS FOR RADIO FREQUENCY APPARATUS
Guido Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 27, 1940, Serial No. 342,645
In Germany January 31, 1939
4 Claims. (Cl. 172—239)



1. In a tuning control system for radio receiving apparatus and the like, a control shaft, an electric motor for driving said shaft, a plurality of contactors for controlling the operation of said motor, a plurality of operating members for said contactors mounted on said shaft, a plurality of locking means one for each of said operating members, each of said locking means cooperating with its associated operating member to lock said member in a predetermined desired position and means controlled by said motor and effective only when said motor is in operation for rendering said locking means inoperative.

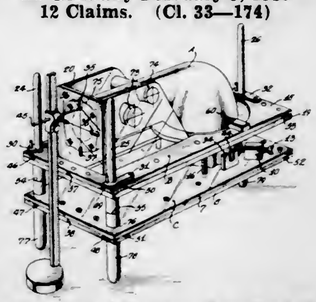
2,270,157
RADIO TRANSMITTER
Roger Aubert and Raymond Villem, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application September 2, 1939, Serial No. 293,152
In France September 14, 1938
8 Claims. (Cl. 250—27)

4. A short wave oscillation generator comprising an oscillation circuit, a pair of thermionic tubes each having a liquid cooling jacket, said oscillation circuit including a pair of inductances and a pair of variable condensers, said tube cool-



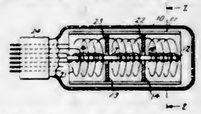
ing jacket of each thermionic tube forming one electrode of each one of said condensers, the other electrode of each one of said condensers being variably arranged at an end of said thermionic tube cooling jackets.

2,270,158
TEMPLET
Werner Baesgen and Otto Pätzold, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany, a corporation of Germany
Application April 2, 1940, Serial No. 327,385
In Germany February 9, 1939
12 Claims. (Cl. 33—174)



1. In a templet of the type described the combination of transparent walls, spaces to hold said walls releasably at a predetermined distance from each other so as to receive therebetween a partly finished article in a predetermined position relatively to said walls, a marking traced on portions of said walls according to the desired shape of the finished article portion in registry with said marking when the article is in said predetermined position, and rigid elements of resistant material attached to said walls so as to reinforce the latter, said elements being provided on such portions of the walls which are exteriorly of the space occupied by said marking so as to permit inspection of said partly finished product through the marking-provided portions of the transparent walls.

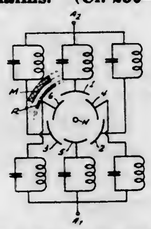
2,270,159
ELECTRON DISCHARGE TUBE
Everhard H. B. Bartelink, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 9, 1939, Serial No. 294,168
7 Claims. (Cl. 250—150)



1. The combination, in a lamp having a surface

which bears a coating of fluorescent material whose area is of the order of magnitude of the cross-sectional area of said lamp, of means operative during normal use of said lamp to produce a diffuse electron discharge which continuously impinges substantially uniformly on said coating over its entire surface, means for dividing said electron discharge into a plurality of separate streams, each of said streams being directed to an individual portion of said coating and thereby causing light emission from each portion over its entire surface, and separate means cooperating with each of said streams for controlling its intensity in response to individual control impulses without substantially affecting the uniform diffusion of said discharge, said separate means being thereby effective to control the light emission from each of said individual portions in accordance with said control impulses.

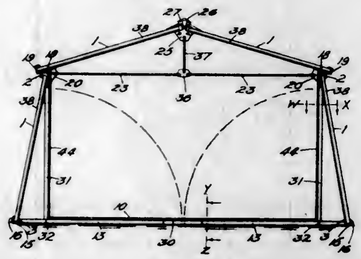
2,270,160
CIRCUIT ORGANIZATION FOR MAGNETRONS
Hermann Berger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 15, 1939, Serial No. 268,075
In Germany March 16, 1938
5 Claims. (Cl. 250—27)



1. In signalling apparatus and the like an electron discharge device provided with a cylindrical thermionic cathode, a pair of inner electrode segments symmetrically spaced around said cathode, a pair of outer electrode segments symmetrically spaced around said cathode but opposite the gaps between said inner electrode segments, and so that the normal between the two inner electrodes and the normal between the two outer electrodes intersect at a point which is near the axis of the cathode and are substantially normal to each other, a coil for inducing a magnetic field between the cathode and said electrode segments parallel to the cathode means for maintaining both of said pairs of electrodes positive with respect to said cathode, a control circuit connected between said pair of outer electrodes, said control circuit including means for impressing signal energy thereon, an output circuit connected between said pair of inner electrodes and means for coupling said output circuit to a utilizing device, said outer electrodes being maintained at such a potential relative to the inner electrodes that the electric field between the cathode and the inner electrodes is substantially identical as that which would be produced by a cylindrical electrode.

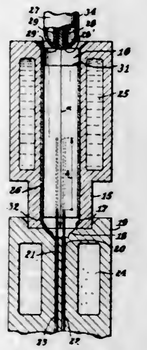
2,270,161
PORTABLE BUILDING
Martin Hunter Briggs, Coulsdon, England
Application May 16, 1940, Serial No. 335,604
In Great Britain June 15, 1939
14 Claims. (Cl. 189—2)

1. A portable building comprising a plurality of skeleton frames capable of use in both walls and roofing structure, a plurality of members at floor or ground level and each having a socket-like formation receiving the lower end of one of said frames erected to form parts of the walls of the building, and a plurality of other members at eaves' level each having two socket-like formations the one receiving the upper end of one of



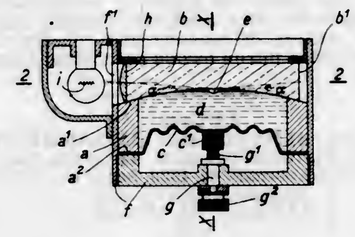
the said erected frames and the other receiving the lower end of one of said frames disposed to form part of the roof of the building, all said frames in the erected building being in compression and remaining engaged with the respective socket-like formations by reason of this fact, and outer skin or covering sheets applied to said frames and of such length as to extend from top to bottom of said frames.

2,270,162
PHOTOFLASH LAMP
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,739
In Hungary September 5, 1939
10 Claims. (Cl. 67—31)



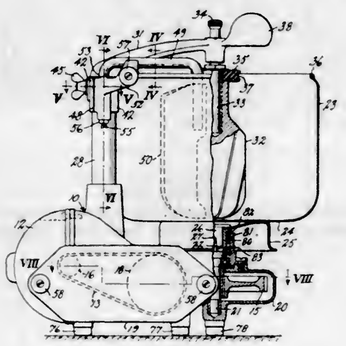
2. The method of making a flashlamp which comprises inserting a plastic material in a mold, placing conductors therein, applying heat to the plastic material, pressing the plastic material into a closed end tube about said conductors, inserting igniting means across said conductors and combustible material in said tube, exhausting the tube, filling the tube with a combustion-supporting gas at more than atmospheric pressure, and sealing the open end of the tube.

2,270,163
ILLUMINATION DEVICE FOR SPHERICAL LEVELS
Martin Drodofsky and Gustav Förstner, Jena, Germany, assignors to the firm of Carl Zeiss, Jena, Germany
Application July 18, 1939, Serial No. 285,213
In Germany August 2, 1938
5 Claims. (Cl. 240—6.44)



5. Device for illuminating the bubble of a spherical level through the cover glass of same, said device comprising optical members and producing two pencils of parallel light rays striking the bubble from opposite sides and being inclined at equal angles smaller than 90° to the axis of the level, which is perpendicular when the centre of the bubble coincides with it.

2,270,164
MIXING APPARATUS
Gösta Du Rietz and Lars Johan Faith Ell, Stockholm, Sweden, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application October 31, 1939, Serial No. 302,126
In Sweden November 1, 1938
4 Claims. (Cl. 259—85)

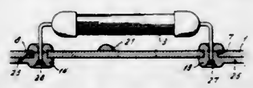


1. In an apparatus of the class described, a frame including a base and an arm extending substantially at right angles thereto, a container rotatably mounted on said base, means for rotating said container, an agitator within said container, means for rotatably supporting said agitator from said arm, a member having substantially parallel portions, one of said portions being rotatably supported by said arm and another portion extending into said container, and a scraper carried by the latter portion for contacting the interior of said container.

2,270,165
CATALYST
Herbert P. A. Groll, Berkeley, and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 29, 1937, Serial No. 182,244
9 Claims. (Cl. 252—210)

7. A solid catalyst material which consists of at least one metal of the first transition series of the periodic table having an atomic number less than twenty-six and an activated alumina possessing the physical structure and surface characteristics of the "activated alumina" of commerce, the transition series metal being present in substantial but lesser amount than the activated alumina and incorporated in the surface of the activated alumina.

2,270,166
METHOD OF MAKING ELECTRICAL CONNECTIONS
Johannes Nathanael Hiensch and Eduard Maria Henricus Lips, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 26, 1939, Serial No. 286,602
In Germany September 2, 1938
1 Claim. (Cl. 29—155.55)

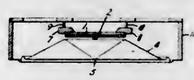


In a method of providing electrical connections between various elements of electrical apparatus which are adapted to be mounted on a panel of insulation material and wherein each element has terminal connection wires, which method includes the steps of forming perforations on the panel at points thereof where connections are to be made, die-casting on the panel electrical connectors between desired ones of said perforations, terminating said connectors at the perforations in rivet-like footings substantially filling the perforations and overlapping slightly both surfaces of the panel immediately adjacent the perforations, providing each of said footings during die-casting with a central bore, inserting each of said connection wires in a respective one of said die cast central bores and then fastening each of the ends of the connection wires in a respective one of said central bores.

2,270,167
SOUND DEVICE WITH PIEZOELECTRIC DOUBLE PLATES
Alexander Meissner and Ernst Burckhardt, Berlin, Germany, assignors to General Electric Company, Schenectady, N. Y., a corporation of New York
Application April 20, 1939, Serial No. 268,916
In Germany April 28, 1938
10 Claims. (Cl. 179—110)

1. A sound device comprising a pair of rectilinear piezo-electric crystal plates of Rochelle salts forming a plate system, a truncated cone-shaped sound membrane having its apex bent in to face its base portion thus forming a rim membrane portion of increased thickness, two diagonal corners of each one of said plates supported on the bent rim of said cone, and a pair of weights

suspended on diagonally opposite corners of each one of said plates and at right angles to the sup-



port corners to increase the efficiency of said device.

2,270,168

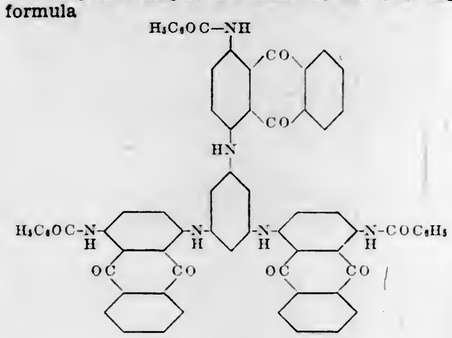
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES

Walter Mieg, Opladen, and Franz Wieners, Cologne-Stammheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application June 22, 1938, Serial No. 215,210. In Germany June 29, 1937

2 Claims. (Cl. 260—316)

1. The carbazole of the amine of the following formula



2,270,169

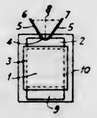
SHORT WAVE ELECTRON CONDENSER

Paul Muller, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 2, 1936, Serial No. 88,509

In Germany July 13, 1935

2 Claims. (Cl. 250—16)



1. In a high frequency circuit arrangement, a condenser element having two electrodes of conducting foil with dielectric layers interposed therebetween, said conducting foils projecting between the dielectric layers in opposite directions from one another, and a metallic sheet terminal member bent in the form of a V having its lower bent portion soldered to at least one of the conducting foils at the central portion thereof, the two upward extending ends of said sheet terminal member arranged to have one serve as an input terminal and the other as an output terminal, said other conducting foil arranged to be connected to ground or equivalent potential.

2,270,170

PROCESS FOR PREPARING TETRABROMOINDIGO

Paul Nawiasky, Summit, and Enno Wolthuis, Cranford, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 20, 1940, Serial No. 336,220

8 Claims. (Cl. 260—324)

1. In the process of preparing tetrabromoindigo, the step which comprises treating indigo with a mixture of bromine and concentrated sulfuric acid, a nitrite having been added to said mixture.

2,270,171

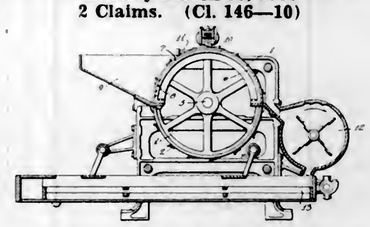
SHELLING ALMONDS AND SIMILAR FRUITS

Nicola Ottaviani, Canicatti, Agrigento, Italy

Application February 24, 1939, Serial No. 258,336

In Italy March 15, 1938

2 Claims. (Cl. 146—10)



1. An apparatus for shelling nuts and the like, comprising a container for said nuts, a plurality of rotating wheels located adjacent said container, transversely projecting arms having spoon-like ends mounted on said wheels, semi-circular flanges of substantially the same diameter as said wheels located at the sides of said wheels, inclined steps upon said flanges located upon said flanges adjacent said container, said flanges having channels therein for guiding the nuts taken from said container by said spoon-like ends, cutting means located adjacent said wheels, spring wires located adjacent said cutting means cooperating with the nuts when held in said spoon-like ends during the operation of said cutting means, said cutting means cooperating with each of said wheels and comprising blades for cutting the upper portion of each nut.

2,270,172

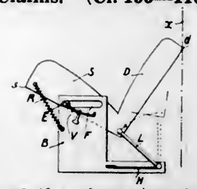
VEHICLE SEAT

André Ruegger, Levallois-Perret, France

Application July 1, 1938, Serial No. 216,897

In France July 5, 1937

3 Claims. (Cl. 155—116)



1. A device of the character described comprising a seat, a back integral therewith and having an upper rear edge, a base including two upwardly extending spaced panels, a link pivotally connected at its lower end to said base and at its upper end to the rear part of said seat for pivotally supporting said seat in vertical and semi-recumbent positions, respectively, said

base panels being each provided with a guide, and means on said seat slidable in said guide, said guide being arranged at a location on each of said base panels higher than said link connection on said base, said link, said seat means with said guide cooperating to maintain said upper rear edge of said back substantially on the same vertical line in any positions of said seat.

2,270,173

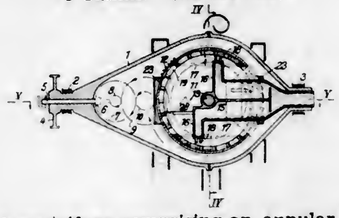
CENTRIFUGE FOR SEPARATING SOLIDS FROM LIQUIDS

Herbert Schulz, Berlin-Tempelhof, Germany

Application July 19, 1939, Serial No. 285,426

In Germany April 29, 1938

3 Claims. (Cl. 233—28)



1. A centrifuge comprising an annular hollow rotor defining an inwardly facing separation area having inwardly directed side surfaces, said side surfaces under rotor rotation enclosing a centrifugally produced ring of liquid, a hollow rotatable structure coaxial to said rotor and provided with a hollow radial part to supply said liquid, the end of said radial part extending into said liquid ring closely towards the inside of said separation surface, and means for rotating said rotor and structure, the radial part being provided at its end with a sudden constriction of its cross section to maintain a radially inner surface of an accumulation of a mixture of liquid and solid matters supplied by said hollow coaxial structure, said inner surface being at a lesser radius than the inner periphery of said ring of liquid, to effect separation of the solid matter from the liquid matter of said accumulated mixture by high-speed ejection thereof through said constriction and against said separation surface through said ring of liquid.

2,270,174

METHOD FOR RECOVERING SULPHUR FROM WASTE LIQUORS CONTAINING SULPHIDIC SODIUM COMPOUNDS

Johann Joseph Stoeckly, Teltow, and Elmar Profft, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 15, 1939, Serial No. 295,158. In Germany September 29, 1938

2 Claims. (Cl. 23—224)

1. The method of recovering sulphur from waste liquors of the viscose artificial silk industry which comprises adding sodium sulphate and sulphuric acid to a waste liquor containing sodium sulphides and cellulose decomposition products to form colloidal sulphur therein, raising the sodium sulphate content of said liquor to 35 to 40 grams per liter and the sulphuric acid content thereof to 15 to 25 grams per liter, heating said liquor to a temperature of about 80° C. and then while cooling allowing the liquor to stand to precipitate the sulphur contained therein in a condition amenable to rapid settling and filtration.

2,270,175

ORGANIC PEROXIDE

Harco Jacob Tadema, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 8, 1940, Serial No. 317,898. In the Netherlands January 26, 1939

19 Claims. (Cl. 260—593)

8. In a process of preparing organic peroxides, the step of reacting products of the incomplete combustion of hydrocarbons with an organic compound selected from the class consisting of aliphatic ketones and aldehydes in the presence of aqueous sulfuric acid.

11. An aliphatic ketone peroxide resulting from the treatment of an aliphatic ketone with products of incomplete combustion of aliphatic hydrocarbons under peroxide-forming conditions.

2,270,176

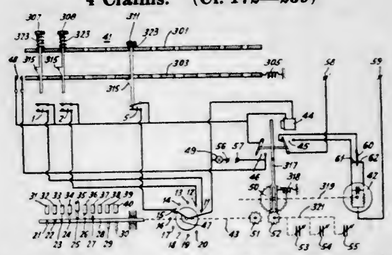
RADIO RECEIVING APPARATUS

Johannes Antonius van Lammeren, Alexis van Dam, Wilhelmus Lambertus Leonardus Vivie, and Gunnar Börge Knös, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 26, 1939, Serial No. 296,578

In Germany September 26, 1938

4 Claims. (Cl. 172—239)



2. In signaling apparatus including an adjustable controlling element, a motor normally coupled to said controlling element for operating the same and selectively operable means acting upon selective operation thereof to control the operation of the motor and thereby effect the adjustment of said element to predetermined different positions, an adjustable selector device for operating said selectively operable means in a predetermined sequence, and auxiliary selectively operable motor control means acting upon selective operation thereof to connect said motor to said selector device and control the operation of the motor to thereby effect the adjustment of said selector device to predetermined different positions.

2,270,177

DECORATING DEVICE

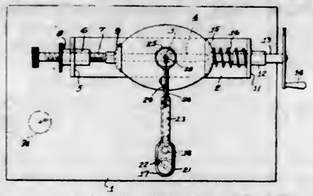
Mike Vawryk, River Rouge, Mich.

Application August 14, 1939, Serial No. 290,047

2 Claims. (Cl. 91—12)

1. In a device of the character described, a base, an object-holding member comprising a central portion, a longitudinally disposed slot in said central portion, a pair of arms extending from said central portion, a pair of object-engaging cups, one of said cups being positioned in each of said arms, means for rotating one of said cups, means for adjusting the distance of one of said cups from its supporting arm, and resilient means urging one of said cups toward

the other of said cups thereby firmly but lightly holding a fragile object between said cups for rotation, means extending from said base and through said slot permitting pivotal and longi-



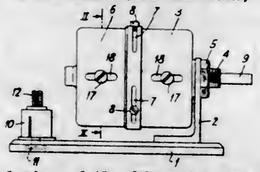
tudinal movement of said object-holding member with respect to said base, an applicator for holding a supply of wax and emitting wax in a line of desired width, and means for positioning said applicator over the object.

2,270,178

ARRANGEMENT CONSISTING OF A PLURALITY OF MECHANICALLY COUPLED ROTATING COIL VARIOMETERS

Adolf Weis, Berlin, and Josef Brackmann, Berlin-Siemensstadt, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung", Berlin, Germany, a corporation of Germany

Application July 10, 1940, Serial No. 344,714
In Germany June 3, 1939
4 Claims. (Cl. 171—242)



1. In a device of the kind described, a frame, a housing comprising a pair of partially telescoped coaxial cup-like members mounted end to end and so that their respective open ends face each other, means for mounting one of said members on said frame, said other member being rotatable about its axis relative to the other member, set screw means cooperating with both of said members for holding said members in a fixed relation relative to one another, a variometer mounted within one of said members and comprising a stator and a rotor, said stator being axially adjustable within said member, a second variometer mounted within the other of said members and comprising a stator and a rotor, said last named fixed coil being axially adjustable within said last named member, said two rotors being in coaxial relationship, and an operable shaft for rotating said two rotors in unison.

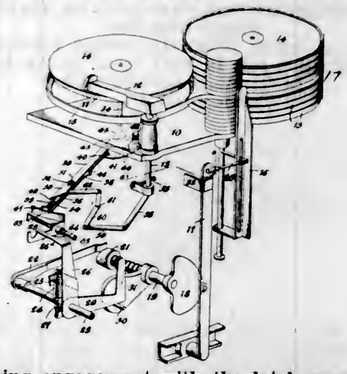
2,270,179

TONE ARM TRIP MECHANISM FOR PHONOGRAPHS

Theodore M. Wright, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application March 17, 1939, Serial No. 262,463
6 Claims. (Cl. 274—1)

1. A trip mechanism for the tone arm of a phonograph, comprising a latch member for releasably latching an actuatable part of the phonograph in a normal position, a pair of superposed trip-governing elements generally radiating from the turntable spindle toward said latch member and pivoted for laterally swinging movement, one of said elements being displaceable longitudinally relative to the companion element, means adapted for rotation with the turntable-spindle and operatively engageable with said longitudinally-displaceable element for imparting idling reciprocating movements thereto, a trip device mounted on said longitudinally-displaceable element for movement relative thereto and projectable at a predetermined time into



tripping engagement with the latch member, a spring connected to said trip device for normally maintaining it in a non-tripping position and at another time urging it to a trip-seeking position, and means adapted for connection at one end to the tone arm and at its other end to said trip device for moving the latter to a displaced position wherein said spring acts to urge the trip device to a tripping position upon an abnormal inward-swinging movement of the tone arm.

2,270,180

INSOLUBILIZATION OF WATER-SOLUBLE CELLULOSE ETHERS

Shailer L. Bass and Richard M. Upright, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 26, 1940, Serial No. 358,423
16 Claims. (Cl. 260—15)

1. The method which comprises dissolving in a water solution of a water-soluble cellulose ether from about 10 to about 25 per cent based on the weight of said ether of a water-soluble polyhydric alcohol modified urea-formaldehyde condensate, drying the mixture to remove water and heating the mixed solids to a temperature between about 90° and 170° C. for a period within the range from 150 to about 10 minutes, sufficient substantially to insolubilize the dried cellulose ether.

2,270,181

MAKING SHAPED ARTICLES FROM COKE AND PITCH

Edward R. Cole and Richard I. Thrune, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 12, 1939, Serial No. 289,930
6 Claims. (Cl. 106—284)

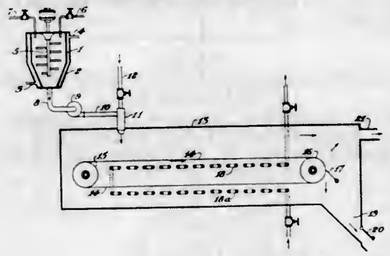
1. A method of treating pitch to increase the binding power thereof in coke-pitch mixtures which comprises heating pitch to a reaction temperature with a minor quantity of a polychlorinated hydrocarbon, and thereafter carbonizing the so-treated pitch in admixture with coke.

2,270,182

MANUFACTURE OF PURIFIED VINYL AROMATIC RESINS IN POWDERED FORM

William B. Collings, Gordon P. Schmelter, and Frederick E. Dulmage, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application May 19, 1939, Serial No. 274,654
7 Claims. (Cl. 260—36)



3. The method which comprises atomizing a solution of a polymerized vinyl aromatic compound and a non-volatile plasticizer therefor in a volatile organic solvent by admixture with steam heated sufficiently to vaporize the solvent, while preventing condensation of the organic solvent vapors in the presenece of the residual polymer, whereby the polymer is produced in a pulverulent plasticized form substantially free of volatile ingredients.

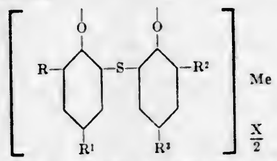
2,270,183

DIALKYLPHENOL SULPHIDES

Elmer William Cook, New York, N. Y., and William David Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 13, 1941, Serial No. 383,166
11 Claims. (Cl. 260—609)

1. 2,4-dialkylphenol sulphides having the following formula:



in which R, R^1, R^2 and R^3 are alkyl radicals, Me is a heavy metal having a valence of at least 2 and X is the valence of Me.

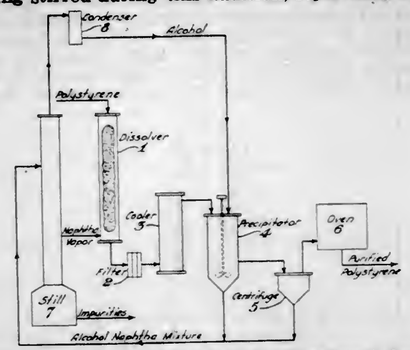
2,270,184

METHOD OF PURIFYING VINYL AROMATIC RESINS

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application February 24, 1939, Serial No. 258,259
6 Claims. (Cl. 260—91)

1. In a continuous method for the purification of a polymer of a vinyl aromatic compound, the steps which consist in dissolving the impure solid polymer by exposing it to the vapors and reflux of a boiling solvent, precipitating the polymer by adding the resultant solution in drop-wise manner to a liquid non-solvent for the polymer which is miscible with said solvent, the mixture being stirred during this addition, separating the



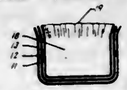
liquid mixture of solvent and non-solvent from the precipitate, and distilling the liquid non-solvent from the solvent while vaporizing and refluxing the latter through a bed of impure solid polymer, whereby additional polymer is dissolved.

2,270,185

SIMULTANEOUS MANUFACTURE OF CONTAINERS AND CLOSURES

Frederick E. Dulmage, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 15, 1940, Serial No. 352,827
6 Claims. (Cl. 113—120)



1. In a method of making a container of organic plastic material, the steps which consist in drawing simultaneously a stack of flat sheets to the desired cross-sectional contour, thus forming a nest of the shaped sheets, at least the alternate members of which are of the desired plastic, separating the nested members, and, after suitable trimming of the vertical walls thereof, employing a plastic member, other than the outermost member of the nest, as a container body, and another plastic member of the nest, of larger diameter, as a cap therefor.

2,270,186

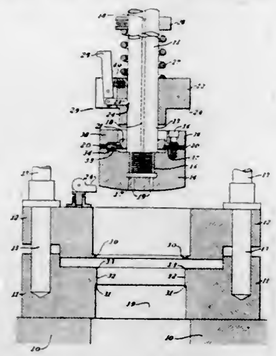
FILM DRAWING AND TRIMMING MACHINE

Frederick E. Dulmage, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application October 4, 1940, Serial No. 359,773
4 Claims. (Cl. 18—19)

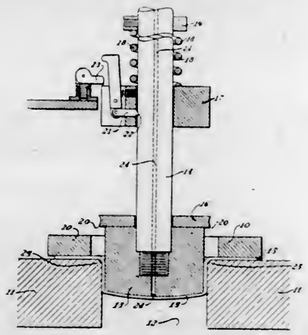
4. A machine for drawing thermoplastic films and for trimming the vertical walls of the shaped articles substantially in a single working operation, comprising a drawing die with a vertical walled opening therethrough which is undercut to provide a peripheral shoulder between the relatively small bore upper part of the die and the relatively large bore lower part thereof, and a drawing ram co-operative therewith to produce the desired drawn shape, a shaft supporting the ram and of smaller diameter than the ram, means for holding a film blank across the die opening, a radially expansible segmented knife

resting on the ram, radially disposed about the shaft, and of the same shape as the cross-sectional contour of the ram, retaining means overlying said knife and co-operating with the ram to form a recess for the knife and to prevent play of the knife until the latter is positively actuated to expand the knife radially, a hammer slidably mounted on the shaft, means for releasing the hammer from engagement with the shaft when the ram and accompanying knife



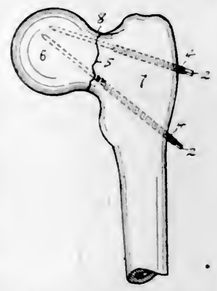
have penetrated to a distance within the die such that the knife is below the shoulder in the undercut wall of the die opening, means operative by the hammer for expanding the knife radially beyond the vertical walls of the ram a distance approximating the thickness of the film being drawn, means for returning the hammer to releasable engagement with the shaft, and means for returning the knife segments from the cutting position to the original undisplaced position within the recess provided therefor.

2,270,187
MACHINE FOR DRAWING AND TRIMMING THERMOPLASTIC CONTAINERS
Frederick E. Dulmage, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application October 4, 1940, Serial No. 359,774
2 Claims. (Cl. 18—19)



2. A machine for drawing films and for trimming the drawn article, comprising a horizontally disposed drawing die with a vertical opening therethrough, a drawing ram co-operative therewith to shape a thermoplastic film, a cutting member slidably mounted on the ram and having a cutting edge of the same peripheral contour as the ram and die opening, positioned to engage the die to sever the film remnant disposed around said opening, a trip hammer slidable on and releasably engaged with said ram a predetermined distance above the cutting member, means for releasing the hammer from engagement with the ram when the latter has penetrated the desired distance into the die and the cutting member has come to rest on the film, and a spring, compressed when the ram and hammer are engaged, serving to propel the hammer sharply downward against the cutting member, and then to hold the cutting member securely against the die during motion of the ram into the die after the drawn article has been trimmed.

2,270,188
SURGICAL THREADED NAIL AND METHOD OF APPLYING SAME
Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.
Application July 12, 1940, Serial No. 345,188
3 Claims. (Cl. 128—92)



1. A surgical nail for bone fractures consisting of a rod one end of which is shaped to provide a drill point and its opposite end being shaped to receive a tool by which to turn the nail, that portion of the rod adjacent said point being smooth and of uniform diameter and the remaining portion between said smooth portion and tool receiving end being threaded and of larger diameter than said smooth portion.

3. A method for treatment of a bone fracture, said method consisting of drilling holes of uniform bores through one bone fragment past the fracture line convergently into the adjacent fragment after apposition of said fragments is established, then inserting in said holes nails each of which has a smooth shank that when in place extends past the fracture line and initially fits the bore of the drilled hole, said nail having a threaded stock tapped into the hole in the distal fragment to secure the nail in place therein.

2,270,189
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 15, 1940, Serial No. 340,783
4 Claims. (Cl. 75—168)

4. A magnesium base alloy containing from 0.01 to 6 per cent of lanthanum and characterized by higher yield strength, tensile strength, and formability than magnesium without the lanthanum.

2,270,190
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 15, 1940, Serial No. 340,784
4 Claims. (Cl. 75—168)

1. A magnesium base alloy containing from 0.01 to 6 per cent of lanthanum and from 0.01 to 3 per cent of manganese, the balance being magnesium.

2,270,191
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 4, 1940, Serial No. 359,683
3 Claims. (Cl. 75—168)

1. A magnesium base alloy containing from 0.01 to 4 per cent of platinum and characterized by a substantial improvement in at least one of the properties ductility, yield strength, and tensile strength as compared to magnesium without the platinum.

2,270,192
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1940, Serial No. 371,374
4 Claims. (Cl. 75—168)

1. A magnesium base alloy containing from about 0.01 to 1 per cent of calcium, from about 0.01 to 3 per cent of manganese, and from 1 to 12 per cent of thallium, the balance being magnesium.

2,270,193
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1940, Serial No. 371,375
4 Claims. (Cl. 75—168)

4. A magnesium base alloy containing from about 0.1 to 5 per cent of gallium and about 0.01 to 3 per cent of manganese and characterized by highly improved tensile strength and yield strength in the annealed condition as compared to a magnesium-manganese alloy devoid of gallium.

2,270,194
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1940, Serial No. 371,377
3 Claims. (Cl. 75—168)

3. A magnesium base alloy containing from about 0.3 to 10 per cent of silver, about 0.3 to 10 per cent of aluminum, about 1 to 15 per cent of cadmium, about 0.01 to 1 per cent of cerium, and about 0.01 to 1 per cent of manganese and characterized by highly improved yield strength and tensile strength in the cold rolled state as compared to a similar magnesium-silver-aluminum-cadmium-manganese alloy devoid of cerium.

2,270,195
MAGNESIUM BASE ALLOY
John C. McDonald, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1940, Serial No. 371,380
3 Claims. (Cl. 75—168)

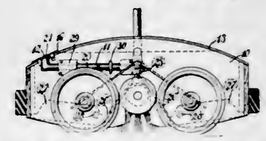
3. A magnesium base alloy containing from 0.3 to 10 per cent of silver, from 0.01 to 1 per cent of cerium, and from 1 to 15 per cent of thallium and characterized by improved tensile strength and yield strength as compared to similar magnesium-silver-thallium alloy devoid of cerium.

2,270,196
DUSTPAN MANIPULATOR FOR CARPET SWEEPERS
Carl C. Parrish, Shelbyville, Ind., assignor to Porter Steel Specialties, Shelbyville, Ind., a copartnership composed of Hester Porter Fuller, George M. Parker, and Parrish Fuller
Application February 7, 1940, Serial No. 317,650
2 Claims. (Cl. 15—41)



1. In a sweeper having dust pans mounted to be swung about two axes to and from retaining and discharging positions, a V-spring having its free ends anchored respectively on the pans between the two axes of the pans and resiliently acting on said pans normally to move said pans to and hold them in debris retaining position, and operating means by which said V-spring may be positively bodily shifted alternately, toward and from the pan plane, pan arresting means arranged to permit but limit pan opening movement to a position where the V-spring by reason of its resilience is incapable of initiating return movement of the pans but such return movement may be initiated by application of force upon the V-spring by said operating means.

2,270,197
CARPET SWEEPER
Carl C. Parrish, Shelbyville, Ind., assignor to Porter Steel Specialties, Shelbyville, Ind., a copartnership composed of Hester Porter Fuller, George M. Parker, and Parrish Fuller
Application May 5, 1941, Serial No. 391,851
2 Claims. (Cl. 15—41)



1. A carpet sweeper having a casing comprising end walls, side walls, and a connecting top, with one end wall provided with a groove formed in the outer face of said end wall and extending from about the medial plane of the casing outwardly toward a side wall, a channel formed in the upper surface of the top wall of the casing substantially at right angles to said groove and communicating at its outer end with said groove, a rock shaft journaled in said groove and provided, at its inner end, with an inwardly projecting arm extending through the end wall of the

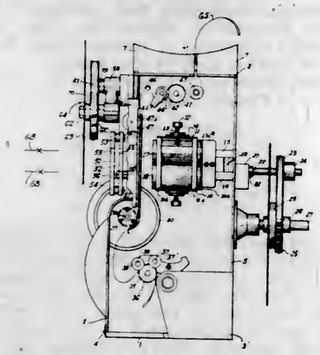
casing and provided at its outer end with an operating arm nestable in said channel in the upper face of the top of the casing, means retaining said rock-shaft in said groove, dust pans movably mounted in the casing, and means connecting the said inwardly projected arm of the rock shaft with said dust pans, said parts being so related that the operating arm will be submerged in the channel when the pans are in dust-receiving positions.

2,270,198

PROJECTOR FOR MOTION PICTURES IN COLOR AND IN THREE DIMENSIONS

Roy E. Schensted, Clarion, Iowa, assignor of one-half to B. J. Palmer, Scott County, Iowa

Application April 1, 1940, Serial No. 327,164
15 Claims. (Cl. 88—16.4)



1. A motion picture projector comprising a housing, a pair of spaced lenses adjustably mounted thereon for focusing upon a single given area of a silver screen, a lamp, an apertured plate mounted between the lamp and the lenses with the apertures in line with the lamp and the centers of the lenses, polarizing screens of opposite polarity mounted at one end of the respective lenses, a rotatable screen carrying segmental inner and outer transparent color plates or screens arranged in pairs, one inner segment and its corresponding outer segment being occupied by a blue color screen and by a red color screen respectively and alternating inner and outer segments being occupied by an orange color screen and by a green color screen respectively, the inner color segments traveling across the path of light rays going through one of the lenses and the outer color segments traveling across the path of the other lens, a Geneva movement and sprockets for intermittently moving the film along the apertured plate, a rotatable shutter mounted to rotate between the lamp and the lenses, and driving means for rotating the shutter and color screens simultaneously.

2,270,199

GRAPHITE ARTICLE

Richard I. Thrune, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 5, 1940, Serial No. 312,580
12 Claims. (Cl. 106—56)

1. A graphite paste composition comprising, in plastic proportions, (1) a liquid binder containing a normally liquid coal tar and a hardening agent therefor containing a halogenated organic compound, said hardening agent being reactive with the tar at elevated temperatures, and (2) a powder containing electric furnace graphite.

2,270,200

INSOLUBILIZATION OF WATER-SOLUBLE CELLULOSE ETHERS

Richard M. Upright, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 26, 1940, Serial No. 358,422
17 Claims. (Cl. 260—232)

1. The method which comprises dissolving in a water solution of a water-soluble cellulose ether a water-soluble polycarboxylic acid capable of reacting therewith at elevated temperatures to insolubilize the cellulose ether, in amount from ¼ to 1 equivalent weight of the acid for each C_6 unit of the cellulose ether, drying the mixture to remove water, and heating to a temperature between about 120° C. and about 180° C. for a period, varying correspondingly from about 120 to about 20 minutes, sufficient substantially to insolubilize the dried cellulose ether.

2,270,201

N-PARATOLUENE SULPHONYL PYRIDINE CARBOXYL AMIDE AND THE PREPARATION THEREOF

William O. Frohring, Lester J. Szabo, and Maurice Landy, Cleveland, Ohio, assignors to S. M. A. Corporation, Chicago, Ill., a corporation of New Jersey

No Drawing. Application January 29, 1940, Serial No. 316,228
6 Claims. (Cl. 260—295)

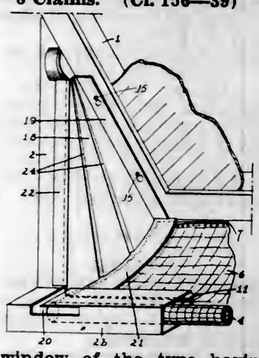
1. N-paratoluene sulphonyl pyridine carboxyl amides.

2,270,202

SCREEN FOR WINDOWS

Eric Sigfrid Persson, Malmo, Sweden

Application March 28, 1940, Serial No. 326,458
6 Claims. (Cl. 156—39)



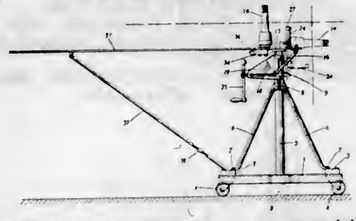
1. In a window of the type having a sash mounted to pivot in a frame so as to form, in opened positions, at least one rectangular opening and at least two triangular openings between the frame and sash, a roller rotatably mounted in the frame at said rectangular opening, a screen member wound on said roller, means for detachably securing the free edge of said screen member to the sash, means tending to maintain the unrolled portion of said screen member in a strained condition, another screen member at each of said triangular openings, means for detachably securing said last-mentioned screen members to the sash in positions where they cover said triangular openings, slots in the frame for the passage of said lastmentioned screen members, and said lastmentioned screen members engaging the unwound portion of the first-mentioned screen member in a way to force said portion out of its normal extended shape in order to ensure sufficient tightness between the screen members.

2,270,203

WORK HOLDER FOR AIRSCREWS

Frank Stanley Saunders, Dibden Purlieu, Southampton, England

Application March 4, 1941, Serial No. 381,639½
In Great Britain February 15, 1940
4 Claims. (Cl. 29—89)



1. A work holder for airscrews comprising in combination a standard, a supporting plate hingedly mounted at the top of said standard, a mandrel on said supporting plate for receiving the airscrew, means for varying the angular position of the supporting plate and for maintaining same in any desired position, and means for preventing the rotation of the airscrew on the mandrel during certain operations comprising an L-shaped member, the short leg of which is pivoted on the supporting plate, a stop member on the end of the long leg, a spring controlled pin arranged to engage said L-shaped member and means for effecting the disengagement of said pin.

2,270,204

PROCESS OF PRODUCING OXIMES

Paul Schlack, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del.

No Drawing. Application November 27, 1939, Serial No. 306,430. In Germany November 28, 1938
4 Claims. (Cl. 260—566)

1. A process for the continuous production of an oxime from a cycloalkanone and an aqueous solution of a mineral acid salt of hydroxylamine and a substance whose solutions are basic in reaction, which comprises gradually adding one of the reaction components other than the cycloalkanone to a liquid containing the cycloalkanone flowing continuously through a reaction vessel.

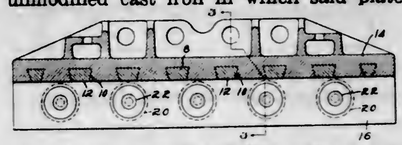
2,270,205

BEARING ELEMENT FOR MACHINE PARTS

Daniel S. Ellis, Cleveland, Ohio, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass., a corporation of Massachusetts

Application April 27, 1940, Serial No. 332,094
7 Claims. (Cl. 308—3)

1. A bearing element for a machine part for use in connection with a cooperating element having rubbing motion relative thereto comprising a grid-like plate of bronze or the like of overall dimensions corresponding substantially to those of the bearing face of the element and of a thickness at least substantially equal to the ordinarily permissible wear having a multiplicity of openings therethrough bounded by continuously connected elements of the grid and a body of unmodified cast iron in which said plate is



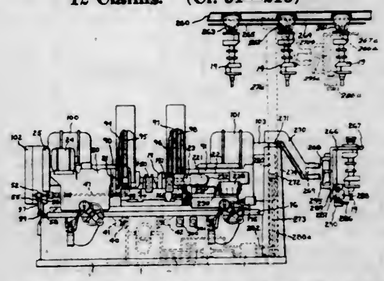
received and entering and filling the openings, the said connected elements being in tight contracted gripping relation to the iron which fills the openings, such elements and the iron exposed therebetween presenting a uniform consolidated wearing surface to the cooperating element aforesaid and one wherein the bronze and iron are present in co-substantial areas.

2,270,206

GRINDING MACHINE

Carl G. Flygare, Worcester, and John I. Garside, West Boylston, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 4, 1939, Serial No. 302,796
12 Claims. (Cl. 51—215)



1. In a grinding machine having a base, a rotatable grinding wheel, a transversely movable slide to support said wheel, a longitudinally movable table, a rotatable work support thereon including a headstock and a footstock, means to feed said slide transversely, means to traverse said table longitudinally, means including a fluid motor to actuate said footstock, a work loading device pivotally mounted on said table automatically to swing a work piece into operative position in alignment with the headstock and footstock, and a work transfer mechanism on said base to transfer a work piece from a work carrying conveyor to said work loading device.

2,270,207

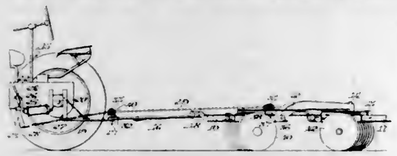
HARROW CONSTRUCTION

Alexus C. Lindgren, Cherry Valley, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 7, 1940, Serial No. 355,784
9 Claims. (Cl. 55—83)

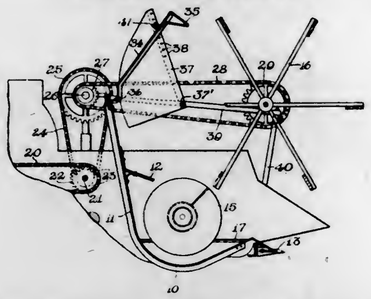
1. In combination, a tractor, an offset harrow connected at the rear thereof and comprising a front gang having a shaft and disks mounted thereon, a rear gang having a shaft and disks mounted thereon, and means forming a connection between the gangs for relative angular move-

ment between the gangs about a pivot to the rear of the rear gang shaft, and means connecting



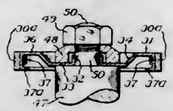
the rear gang and the tractor for producing relative angular movement between the gangs.

2,270,208
HARVESTER CONSTRUCTION
Alexus C. Lindgren, Chicago, and Clemma R. Raney, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 17, 1938, Serial No. 225,338
10 Claims. (Cl. 56—190)



1. In a harvester thresher, shielding means for a crop-receiving platform having a spiral feed extending therealong and a backboard, said means comprising a shield pivotally mounted on the edge of the backboard, plate members at the ends of the shield extending at substantially right angles thereto and pivotally supported on the platform at points spaced from the pivotal mounting of the shield on the backboard, each of said end members having a plurality of holes therein, and securing means attached to the shield and adapted to cooperate with any of the openings in the plate members for securing the shield in any one of a plurality of angular positions with respect to the backboard.

2,270,209
ABRASIVE ARTICLE
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 20, 1939, Serial No. 274,786
3 Claims. (Cl. 51—206)



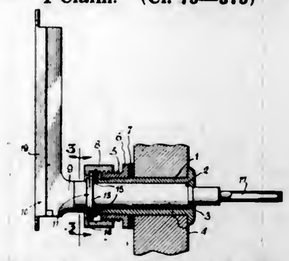
1. An abrasive article comprising a preformed relatively soft ferrous metal backing and an abrasive portion comprising a sintered hard brittle ferrous metal bond and diamond abrasive particles, the whole being merely sintered together into an integral piece.

2,270,210
ARTIFICIAL GEM
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application October 21, 1941, Serial No. 415,922
7 Claims. (Cl. 63—32)



1. A gem of transparent material having a convex obverse surface colored except for a relatively small area and provided with a hollow recess in its bottom, colored lacquer in said recess and a base covering said recess and sealing the lacquer therein.

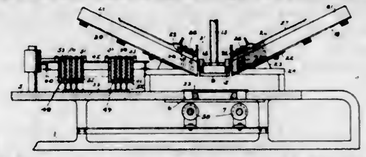
2,270,211
THERMOMETER MOUNTING
Anthony Charles Bruns, Cincinnati, Ohio, assignor to The Palmer Company, Norwood, Ohio, a corporation of Ohio
Application October 16, 1939, Serial No. 299,726
1 Claim. (Cl. 73—375)



A thermometer mounting for tanks, vats, and the like, comprising: a bushing for lining an aperture in a wall of a tank having an annular seat at the inner end in the bore thereof, a lock nut screw-threaded upon the outer end of the bushing for securing the bushing to the tank wall, a thermometer casing for enclosing a capillary tube having a laterally extending tubular shank for the bulb end of the capillary tube, the shank projecting through the bushing to extend beyond the inner end thereof and provided with an annular shoulder cooperating with the seat in the bushing, a pair of diametrically opposite lugs radially extending therefrom, and a union nut enveloping said lugs and having an annular inturned flange for engagement with the lugs, said union nut being screw-threaded upon the outer periphery of said lock nut for securing the casing shank to the bushing with the annular shoulder thereof compressively against the bushing seat, the internal diameter of the union nut threaded on the periphery of the lock nut having an internal diameter of greater dimension than the diametrically opposed lugs which the union nut envelopes thereby adapting the same when the thermometer shank is removed from the bushing to be removed from the lugs by canting the union nut upon the shank and be slipped therefrom and off from the free end of the shank.

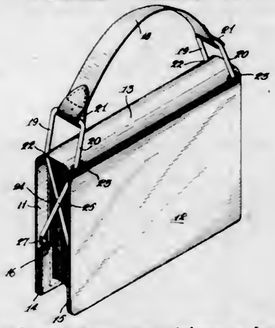
2,270,212
MACHINE FOR APPLYING STRIPS TO BOXES
Donald L. Chaffin, Fort Wayne, Ind., assignor to Flashfold Box Corporation, Fort Wayne, Ind., a corporation of Indiana
Application September 24, 1940, Serial No. 358,149
5 Claims. (Cl. 93—51)

1. The combination in a machine for folding box blanks, of means to apply adhesive to selected foldable sections of the blank, a reciprocating plunger adapted to move the blank while folding the selected sections upwardly, vacuum means to



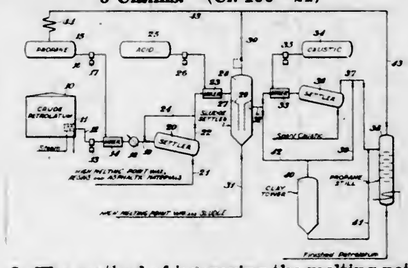
releasably support strips of material vertically on the plunger and means to cause the sections having adhesive thereon to fold upwardly and engage on said strips respectively as the plunger descends.

2,270,213
BOOKHOLDER AND CARRIER (JACKET)
Theodore W. Deusch, Magnolia, N. J.
Application March 23, 1939, Serial No. 263,594
9 Claims. (Cl. 224—47)



9. A book carrier comprising a book jacket having flat sides and a back, and supporting means for receiving the lower edges of the book sides along the inner lower parts of the jacket sides, a handle above the back in carrying position and straps from the handle adapted to pass down beyond the ends of the book at the respective ends of the book and operatively connected across from one jacket side to the other jacket side and adapted to pull the sides toward each other with strain upon the straps, the handle carrying the book end jacket depending with the free edges down.

2,270,214
REFINING OF PETROLATUM
Chester E. Adams, Highland, and Arthur B. Brown, Hammond, Ind., and David W. Bransky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 10, 1938, Serial No. 229,250
8 Claims. (Cl. 196—21)



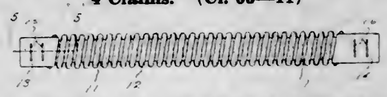
3. The method of improving the melting point-

penetration characteristics and translucency of low grade petrolatums which comprises treating said petrolatums in propane solution with sulfuric acid at a temperature of the order of 70° to 85° F.

2,270,215
PREPARATION OF N-ALKYL AMINOPHENOLS
Howard M. Fitch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 15, 1938, Serial No. 245,911
22 Claims. (Cl. 260—574)

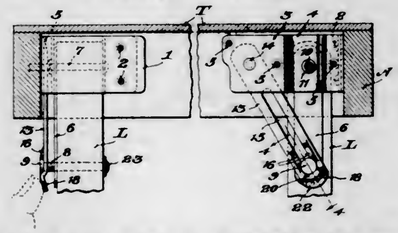
1. In the preparation of N-alkyl-aminophenols, the steps which comprise condensing 1 mole of an unsubstituted aliphatic aldehyde with 1 mole of a primary aminophenol and hydrogenating the condensation product so formed as fast as it is formed.

2,270,216
WATCH BAND
Melvin Marwil, Detroit, Mich.
Application September 8, 1941, Serial No. 410,051
4 Claims. (Cl. 63—11)



1. A wrist band comprising a strap of elasticized plastic material, a coiled member longitudinally disposed around said strap, and watch attaching means secured to opposite ends of said strap, said watch attaching means also securing said coiled member in proper position on said strap.

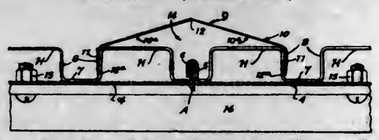
2,270,217
FOLDING LEG
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application July 22, 1940, Serial No. 346,831
3 Claims. (Cl. 311—98)



1. In a table or like leg structure, a leg, means to pivotally connect the leg to a table or like member, a headed stud carried by the leg, a spring brace, means to pivotally connect the brace to a table or like member, said brace having an elongated slot through which the shank of the stud extends and exerting pressure outwardly against the underface of the head of the stud elongated cams on the brace at the respective sides of the slot thereof engageable with the underface of the head of the stud, said cams having outer ends which are shaped to conformably engage the adjacent part of the head of the stud in latched position of the parts, and a finger-engaging member at the outer end of the brace having a raised inner side formed to

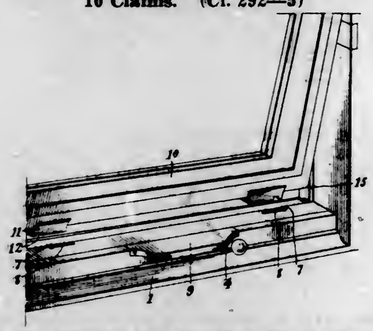
conformably engage the opposite part of the head of the stud, said inner side of the finger-engaging member being disposed in substantially the outer face of the head of the stud in latched position of the parts so as to lie flush therewith.

2,270,218
STEEL BUILDING CONSTRUCTION
George Vincent Palmer, Los Angeles, Calif.
Application August 10, 1939, Serial No. 289,490
1 Claim. (Cl. 189—34)



A sectional metal wall construction embodying a plurality of elongated sectional metal wall elements arranged in contiguous alined relationship to form a structural plane, and provided with joints at the adjacent edges of the alined elements, each of said elements being provided with rib portions projecting outwardly of such plane and extending longitudinally of such elements in spaced relation adjacent such joints, and a flashing member comprising: an elongated sheet metal member of generally channel cross-sectional configuration, provided with a web portion and two spaced depending flange portions normally converging toward one another, said web portion being deformed outwardly from the plane of said member as defined by the junctures of the web and flange portions, at the side thereof away from said flange portions, and said flashing member being attached to said metal wall construction by compressional frictional engagement of said flange portions upon said rib portions at opposite lateral sides of the position of a joint accompanied by a resilient deformation of said web portion, with said web portion in outwardly spaced relation to such joint and being held in such engagement by the resilient forces built up in said web portion by such resilient deformation.

2,270,219
CLOSURE FASTENING MEANS
Eric Sigfrid Persson, Malmo, Sweden
Application May 24, 1938, Serial No. 209,848
In Sweden January 20, 1938
10 Claims. (Cl. 292—5)

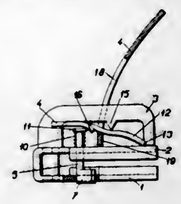


1. In a fastening structure for horizontally pivoted windows, pin and slot connections between the frame and the sash at one of the edges of the window parallel to its pivot axis, a common operating device connected to said pins for moving them towards ad from each other, said slots being symmetrically inclined towards each other and of a length to allow the window to be fastened in various open positions, a bar mounted between said frame and sash at the edge thereof perpendicular to the pivot axis of the window, and said bar being rotatable about a longitudinal axis and adapted to be operated by said operating device.

2,270,220
REFRACTORY
Norman Percy Pitt, Eastview, Ontario, Arthur Clarence Halferdahl, Rockcliffe, Ontario, and Frank Eugene Lathe, Ottawa, Ontario, Canada, assignors, by mesne assignments, to Canadian Refractories Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application April 1, 1937, Serial No. 134,456
8 Claims. (Cl. 106—63)

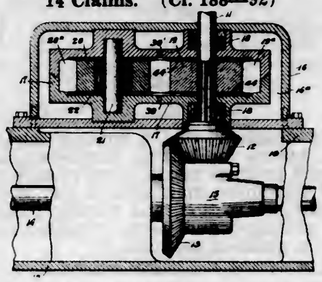
1. A method of producing an improved refractory from natural chrome ore which comprises mixing with the chrome ore lime sufficient substantially only to convert free and combined silica in the mixture into dicalcium silicate and burning the mixture at a temperature in excess of 2600° F.

2,270,221
SLIDING MEMBER OF SLIDING CLASP FASTENERS
Vojtech Puc, Prague, Czechoslovakia
Application May 16, 1940, Serial No. 335,623
In Czechoslovakia May 18, 1938
6 Claims. (Cl. 24—205.5)



4. A slider for a slide fastener of the type which includes a pair of stringers having rows of spaced interlocking elements along their longitudinal edges, comprising an upper plate and a lower plate spaced to receive the interlocking elements of the stringers, locking lugs movable upwardly and downwardly in the lower plate and into said space, a pin operatively connected with the lugs and movable upwardly and downwardly through the upper plate, resilient means cooperating with the pin and lugs for yieldingly maintaining them in an upright position, a fixed bow arranged on the upper plate and forming an elongated recess, a lever arranged in the recess and having its ends slidably interlocked with the ends of the bow, said lever being rockable about a horizontal axis arranged substantially midway between the ends thereof, a head on the pin arranged between said axis and one end of the bow and adapted to be engaged by the lever for depressing the pin and locking lugs when one end portion of the lever moves downwardly, and a pull member movable lengthwise of the recess and arranged to engage the opposite end portion of the lever for moving the latter upwardly when the pull member is moved in one direction, said resilient means being a coil spring surrounding the pin and arranged between the upper plate and the head of the pin.

2,270,222
FLUID BRAKE
William Herbert Rea and Arthur William Weeks, Glenburnie, Md., assignors, by direct and mesne assignments, of one-half to said Rea and one-half to James H. Easton, Baltimore, Md.
Application June 23, 1941, Serial No. 399,380
14 Claims. (Cl. 188—92)



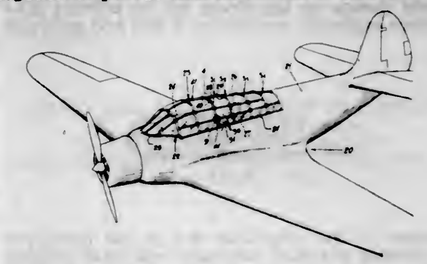
1. In an internal resistance rotary gear type fluid brake, intermeshing pump gears, a pump chamber in which said gears are mounted provided with a wall contiguous to the teeth of the gears, means for rotating said gears to generate pressure in an area in said pump chamber, radially movable sealing members carried by said gears and adapted for sealing engagement with said wall, additional sealing members disposed in the side walls of the said chamber and movable against the sides of the gears, and means for communicating pressure generated by said gears in said area to said radially movable sealing members and said side sealing members to force certain of said radially movable sealing members into sealing engagement with said wall during rotation of the gears and simultaneously force said side sealing members into sealing contact with the sides of the gears.

2,270,223
FELTED PRODUCT
Paul Schlack, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del.
No Drawing. Application November 14, 1939, Serial No. 304,322. In Germany November 26, 1938
1 Claim. (Cl. 19—146)

A sulfuric acid fulled felt comprising a mixture of animal fibers and cold drawn fibers of a synthetic linear polyamide, said felt impregnated with synthetic latex.

2,270,224
COCKPIT ENCLOSURE
Alfred L. Spangenberg, Brentwood Heights, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application June 27, 1938, Serial No. 216,001
4 Claims. (Cl. 244—121)

3. In an aircraft, a fuselage structure of metal rigidly connected together and adapted to transmit stresses from one portion thereof to another portion thereof, means defining an opening in one side of said fuselage to serve as a cockpit, an enclosure for said cockpit, the surface thereof merging into the surface of the fuselage and cooperating therewith to form a single substantially streamline body, said enclosure consisting of a grill-like framework of relatively narrow metallic strips forming window openings, and panels of non-conducting material in said openings, said strips being joined together directly in part, and bodies of dielectric material joining said strips together in part so that all circuits in said framework will be broken, whereby a radio loop may be placed within said enclosure without being shielded from radio signals.



2,270,225
FUSE LINK CONSTRUCTION
Alwin G. Steinmayer, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original application November 16, 1934, Serial No. 753,358. Divided and this application November 24, 1941, Serial No. 420,295
39 Claims. (Cl. 200—117)



14. The combination with a fuse tube having upper and lower contacts and open at one end, of a fuse link comprising a terminal engaged with the upper contact, a fusible section connected to the terminal, a rigid section connected to the fusible section, a flexible section electrically connected with the rigid section, a second tube surrounding said fusible section and a portion of said rigid section and engaged with said terminal, and a spring concentric with the second tube and engaged at one end therewith, the other end of the spring being engaged with said rigid section at a point remote from the second tube, thereby tensioning said fusible section.

2,270,226
ALARM MEANS
George D. Pease, Cedar Rapids, Iowa
Application April 7, 1939, Serial No. 266,516
4 Claims. (Cl. 116—105)

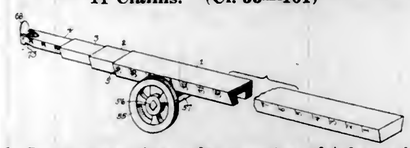
1. In a device of the type described and having a barrel with a restricted opening through

the end thereof, a firing pin extending through the opening and fusible means for releasing the firing pin at a predetermined temperature, a safety means on the firing pin to prevent premature explosion comprising a flat and enlarged



portion on the outermost end of the firing pin to prevent the said outermost end from passing through the opening, and cut-away portions in the sides of the pin adjacent to the enlarged portion so that the enlarged portion can be snapped off after installation of the device.

2,270,227
TELESCOPING MEASURING RULE
Carl G. Swanson and Eric K. N. Nelson, New York, N. Y.; said Nelson assignor to said Swanson
Application June 21, 1940, Serial No. 341,677
11 Claims. (Cl. 33—161)

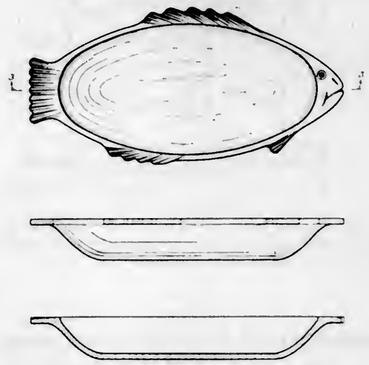


1. In a measuring rule, a series of telescoping sections, means for locking successive sections in extended position, means effective upon occurrence of telescoping movement of one section to unlock another section, and further means for locking telescoped and partly extended sections together in attained positions.

DESIGNS

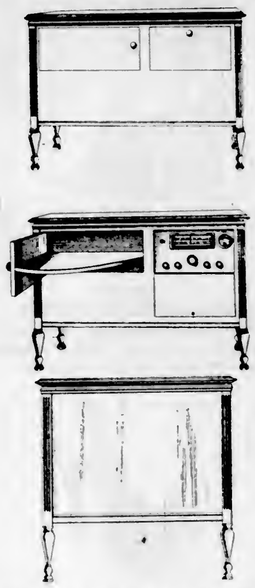
JANUARY 13, 1942

131,054
DESIGN FOR A GLASS DISH
Albert J. Avetta, Pittsburgh, Pa.
Application April 22, 1941, Serial No. 100,561
Term of patent 14 years



The ornamental design for a glass dish, as shown.

131,055
DESIGN FOR A COMBINED RADIO AND PHONOGRAPH CABINET
Howard S. Bennett, Scotia, N. Y.
Application September 25, 1941, Serial No. 103,688
Term of patent 7 years



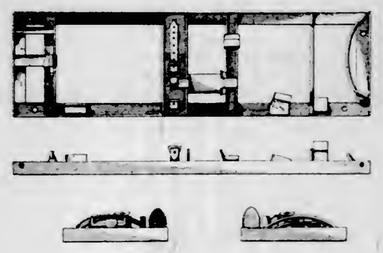
The ornamental design for a combined radio and phonograph cabinet, as shown and described.

131,056
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Conrad C. Calvin, New York, N. Y.
Application November 10, 1941, Serial No. 104,103
Term of patent 7 years



The ornamental design for a finger ring or similar article, as shown.

131,057
DESIGN FOR A TOOL RACK
Charles G. Dowd, Baltimore, Md.
Application August 9, 1941, Serial No. 102,775
Term of patent 3½ years



The ornamental design for a tool rack, as shown.

131,058
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Daniel J. Faraggi, Brooklyn, N. Y.
Application November 24, 1941, Serial No. 104,281
Term of patent 3½ years



The ornamental design for a towel or similar article, substantially as shown.

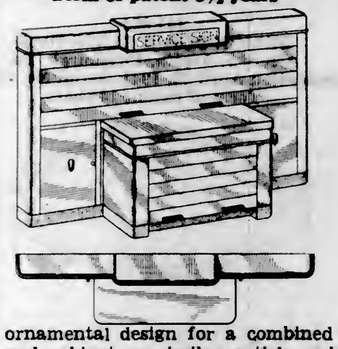
131,059
DESIGN FOR A ROAST RACK
George C. Lynch, Los Angeles, Calif.
Application March 15, 1941, Serial No. 99,626
Term of patent 14 years





The ornamental design for a roast rack, as shown and described.

131,060
DESIGN FOR A COMBINED WORK BENCH AND CABINET OR SIMILAR ARTICLE
Charles W. MacMillan, Jackson, Mich., assignor to Hinckley-Myers Company, Jackson, Mich.
Application July 5, 1941, Serial No. 101,904
Term of patent 3½ years



The ornamental design for a combined work bench and cabinet or similar article, substantially as shown and described.

131,061
DESIGN FOR A HOUSECOAT OR SIMILAR ARTICLE
Paige Salfeety, New York, N. Y.
Application December 2, 1941, Serial No. 104,436
Term of patent 3½ years



The ornamental design for a housecoat or similar article, substantially as shown.

131,062
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,510
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,063
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,511
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,064
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,512
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,065
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,513
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,066
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,514
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,067
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,515
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,068
DESIGN FOR A SHOE
Mabel Julianelli, New York, N. Y.
Application December 6, 1941, Serial No. 104,516
Term of patent 3½ years



The ornamental deign for a shoe, substantially as shown and described.

131,069
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,517
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,070
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,518
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,071
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application December 4, 1941, Serial No. 104,473
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,072
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application December 4, 1941, Serial No. 104,474
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,073
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,520
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,074
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,521
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,075
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,522
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,076
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,523
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,077
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 6, 1941, Serial No. 104,524
Term of patent 3½ years



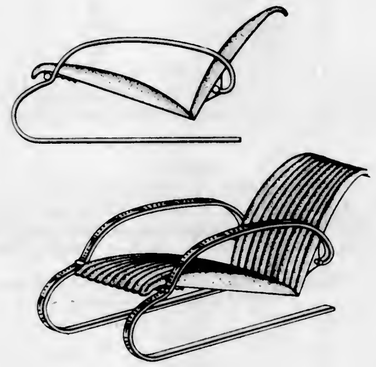
The ornamental design for a shoe, substantially as shown and described.

131,078
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application December 6, 1941, Serial No. 104,525
Term of patent 3½ years



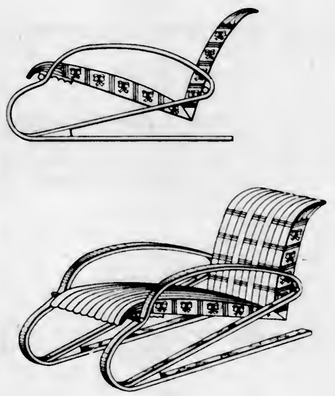
The ornamental design for a shoe, substantially as shown and described.

131,079
DESIGN FOR A CHAIR
Einar Anderson, New York, N. Y.
Application November 4, 1941, Serial No. 104,024
Term of patent 7 years



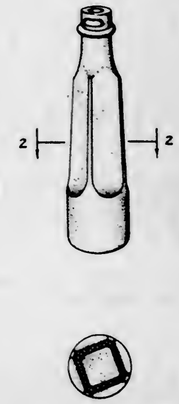
The ornamental design for a chair, as shown.

131,080
DESIGN FOR A CHAIR
Einar Anderson, New York, N. Y.
Application November 12, 1941, Serial No. 104,113
Term of patent 7 years



The ornamental design for a chair, as shown.

131,081
DESIGN FOR A BOTTLE
Frank W. Britt, Jackson Heights, N. Y., assignor to Conti Products Corporation, Brooklyn, N. Y.
Application November 15, 1941, Serial No. 104,167
Term of patent 3½ years



The ornamental design for a bottle, as shown.

131,082
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application December 12, 1941, Serial No. 104,581
Term of patent 3½ years



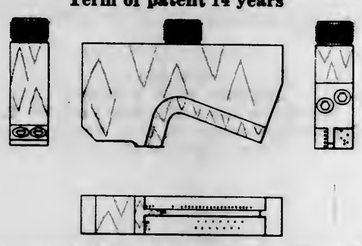
The ornamental design for a dress, substantially as shown and described.

131,083
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application December 12, 1941, Serial No. 104,582
Term of patent 3½ years



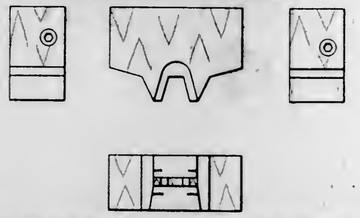
The ornamental design for a dress, substantially as shown and described.

131,084
DESIGN FOR A PROGRESSIVE FLAME HARDENING BURNER
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 22, 1941, Serial No. 100,566
Term of patent 14 years



The ornamental design for a progressive flame hardening burner, substantially as shown.

131,085
DESIGN FOR A PROGRESSIVE FLAME HARDENING BURNER
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 22, 1941, Serial No. 100,568
Term of patent 14 years



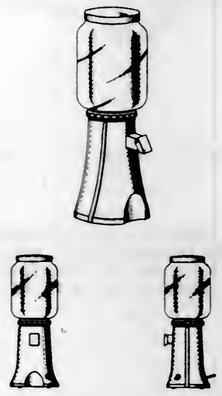
The ornamental design for a progressive flame hardening burner, substantially as shown.

131,086
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hebé, New York, N. Y.
Application November 22, 1941, Serial No. 104,257
Term of patent 3½ years



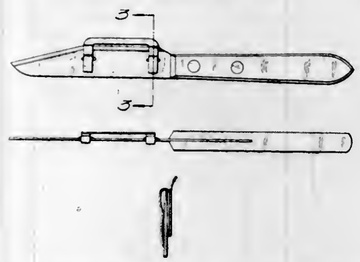
The ornamental design for a brooch pin or similar article, substantially as shown.

131,087
DESIGN FOR A COFFEE MILL
David A. Meeker and Franklin Douglass Houser, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application August 3, 1940, Serial No. 94,199
Term of patent 14 years



The ornamental design for a coffee mill, substantially as shown.

131,088
DESIGN FOR A PARING KNIFE
George Paulton, Detroit, Mich.
Application September 18, 1940, Serial No. 95,175
Term of patent 3½ years



The ornamental design for a paring knife, as shown.

131,089
DESIGN FOR A DOORKNOB
Walter R. Schlage, Burlingame, Calif.
Application September 9, 1941, Serial No. 103,249
Term of patent 7 years



The ornamental design for a door knob, as shown.

131,090
DESIGN FOR A DOORKNOB
Walter R. Schlage, Burlingame, Calif.
Application September 9, 1941, Serial No. 103,251
Term of patent 7 years



The ornamental design for a doorknob, as shown.

131,091
DESIGN FOR A DOORKNOB
Walter R. Schlage, Burlingame, Calif.
Application September 9, 1941, Serial No. 103,255
Term of patent 7 years



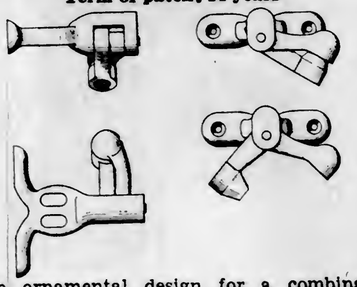
The ornamental design for a doorknob, as shown.

131,092
DESIGN FOR A DOORKNOB
John A. Tornoe, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application September 9, 1941, Serial No. 103,247
Term of patent 7 years



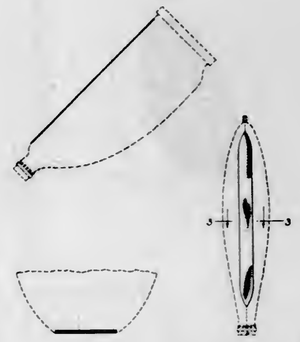
The ornamental design for a doorknob, as shown.

131,093
DESIGN FOR A COMBINATION BRUSH HOLDER AND PASTE DISPENSER
Charles W. Ward, Los Angeles, Calif.
Application November 4, 1941, Serial No. 104,015
Term of patent 14 years



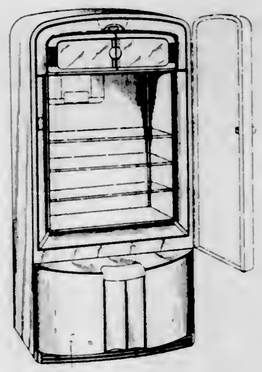
The ornamental design for a combination brush holder and paste dispenser, as shown.

131,094
DESIGN FOR A VACUUM CLEANER DUST RECEPTACLE
Vernon E. Carlson, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application May 12, 1941, Serial No. 100,907
Term of patent 14 years



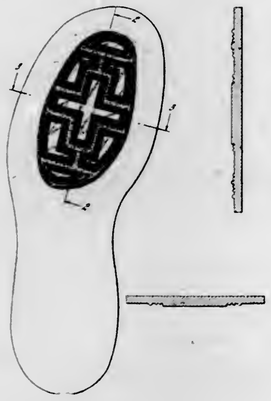
The ornamental design for a vacuum cleaner dust receptacle, substantially as shown and described.

131,095
DESIGN FOR A DOMESTIC REFRIGERATOR
Donald E. Dailey, Toledo, Ohio, assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 12, 1941, Serial No. 101,433
Term of patent 14 years



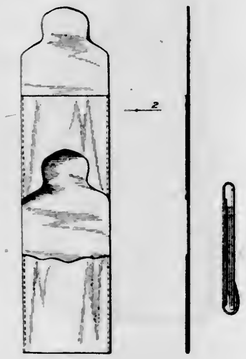
The ornamental design for a domestic refrigerator, substantially as shown and described.

131,096
DESIGN FOR A SHOE SOLE
Conrad Ferrettie and George W. Blair, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application June 6, 1941, Serial No. 101,326
Term of patent 14 years



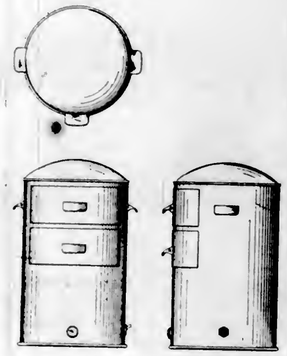
The ornamental design for a shoe sole, substantially as shown.

131,097
DESIGN FOR A FOLDABLE POCKET CHECK COVER
Fred Humphrey and Adam Krieger, Denver, Colo., assignors to The Pass Book and Check Cover Company, Denver, Colo., a corporation of Colorado
Application May 15, 1941, Serial No. 100,945
Term of patent 14 years



The ornamental design for a foldable pocket check cover, substantially as shown.

131,098
DESIGN FOR A HOT APPLICATION HEATER OR SIMILAR ARTICLE
Samuel S. Krause and Samuel E. Peskin, Cleveland, Ohio
Application May 3, 1940, Serial No. 92,106
Term of patent 3½ years



The ornamental design for a hot application heater or similar article, substantially as shown.

131,099
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
André Proteau, New York, N. Y.
Application August 18, 1941, Serial No. 102,907
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

131,100
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application December 4, 1941, Serial No. 104,469
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,101
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application December 4, 1941, Serial No. 104,470
Term of patent 3½ years



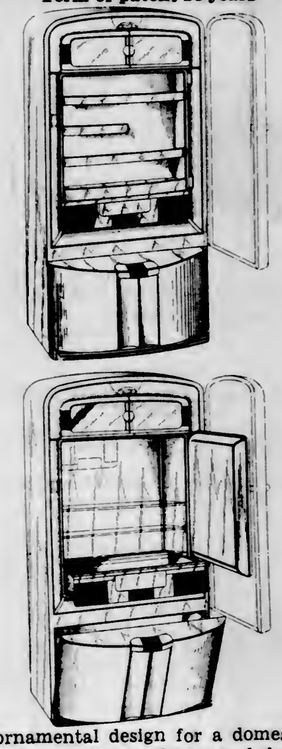
The ornamental design for a shoe, substantially as shown.

131,102
DESIGN FOR A LAPEL WATCH
David Taylor, New York, N. Y.
Application March 27, 1941, Serial No. 99,933
Term of patent 3½ years



The ornamental design for a lapel watch, as shown and described.

131,103
DESIGN FOR A DOMESTIC REFRIGERATOR
Harold L. van Doren, Toledo, Ohio, assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 12, 1941, Serial No. 101,432
Term of patent 14 years



The ornamental design for a domestic refrigerator, substantially as shown and described.

131,104
DESIGN FOR A SHOULDERETTE
Lorna Whittingham, San Francisco, Calif.
Application August 12, 1941, Serial No. 102,797
Term of patent 3½ years



The ornamental design for a shoulderette, substantially as shown and described.

131,105
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 15, 1941, Serial No. 104,637
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,106
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 16, 1941, Serial No. 104,652
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,107
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 16, 1941, Serial No. 104,653
Term of patent 3½ years



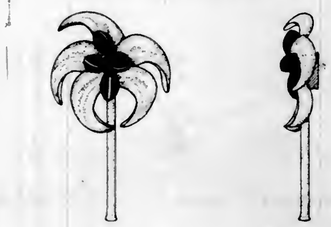
The ornamental design for a brooch or similar article, substantially as shown.

131,108
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 16 1941, Serial No. 104,654
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,109
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Walter Williamson, Miami, Fla.
Application December 16, 1941, Serial No. 104,655
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,110
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn and Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 16, 1941, Serial No. 104,651
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,111
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application December 15, 1941, Serial No. 104,636
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,112
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application December 19, 1941, Serial No. 104,720
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,113
DESIGN FOR A DRESS ENSEMBLE
William Clion, Brooklyn, N. Y.
Application December 18, 1941, Serial No. 104,991
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,114
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application December 19, 1941, Serial No. 104,718
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,115
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application December 19, 1941, Serial No. 104,719
Term of patent 3½ years



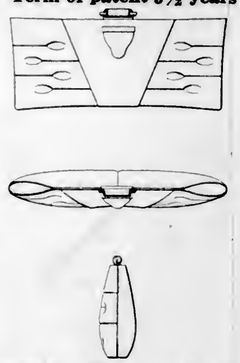
The ornamental design for a dress, substantially as shown.

131,116
DESIGN FOR A DRESS
Elizabeth Cutler. New York, N. Y.
Application December 26, 1941, Serial No. 104,845
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,117
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application December 19, 1941, Serial No. 104,741
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

131,118
DESIGN FOR A DRESS
Irving Grobstein, New York, N. Y.
Application December 19, 1941, Serial No. 104,716
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,119
DESIGN FOR A SLIPPER
Louis Hirshorn, Brooklyn, N. Y.
Application December 11, 1941, Serial No. 104,577
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

131,120
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application December 15, 1941, Serial No. 104,635
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,121
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application December 15, 1941, Serial No. 104,632
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,122
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application December 13, 1941, Serial No. 104,608
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,123
DESIGN FOR A DRESS ENSEMBLE
Marion McCoy, St. Louis, Mo.
Application December 13, 1941, Serial No. 104,609
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,124
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application December 13, 1941, Serial No. 104,610
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,125
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application December 13, 1941, Serial No. 104,611
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,126
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application December 13, 1941, Serial No. 104,612
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,127
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application December 18, 1941, Serial No. 104,693
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,128
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application December 19, 1941, Serial No. 104,722
Term of patent 3½ years

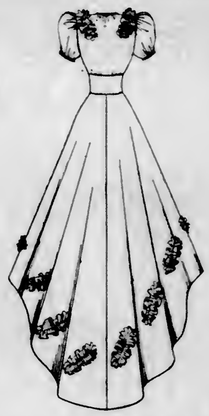


The ornamental design for a dress, as shown.

131,129
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application December 19, 1941, Serial No. 104,723
Term of patent 3½ years



131,129—Continued



The ornamental design for a dress, substantially as shown.

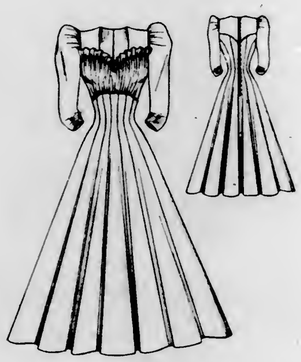
131,130
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application December 19, 1941, Serial No. 104,724
Term of patent 3½ years





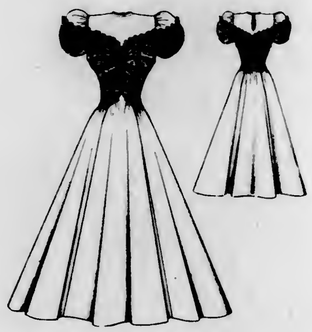
The ornamental design for a dress, substantially as shown.

131,131
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application December 26, 1941, Serial No. 104,838
Term of patent 3½ years



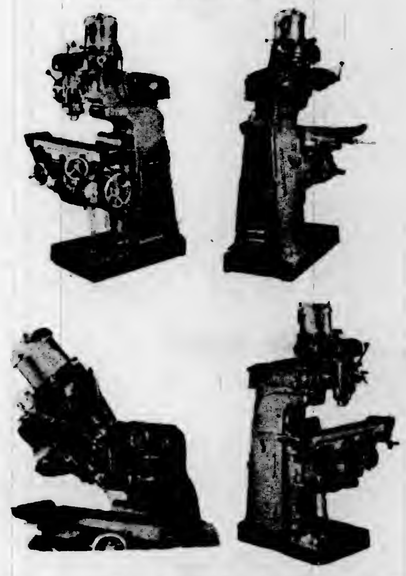
The ornamental design for a dress, substantially as shown.

131,132
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application December 26, 1941, Serial No. 104,839
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,133
DESIGN FOR A MILLING MACHINE OR THE LIKE
Glenn W. Tammen, Chicago, Ill., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application September 11, 1941, Serial No. 103,298
Term of patent 14 years



The ornamental design for a milling machine or the like, substantially as shown.

131,134
DESIGN FOR A ROOF VENTILATOR
Arthur E. Waterman and Frederick J. Kreutzer, Fort Atkinson, Wis.
Application July 5, 1940, Serial No. 93,436
Term of patent 14 years



The ornamental design for a roof ventilator, as shown and described.

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January 20, 1942

Trade-marks	131—No.	392,892 to No.	393,022, inclusive.
Reissues	5—No.	22,008 to No.	22,012, inclusive.
Plant Patents	2—No.	499 to No.	500, inclusive.
Patents	612—No.	2,270,228 to No.	2,270,839, inclusive.
Designs	57—No.	131,135 to No.	131,191, inclusive.
Total	807		

Order No. 3575

U. S. PATENT OFFICE, *Washington, D. C., Oct. 31, 1941.*

Acting under the provisions of section 487 Revised Statutes of the United States (U. S. C., title 35, sec. 11) David E. Carlsen, 606 New York Building, St. Paul, Minn., whose registration number is 11,682, is hereby disbarred from practice before the United States Patent Office for gross misconduct.

CONWAY P. COE,
Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Jan. 5, 1942.*

National Food Products Corporation, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Squirt Company, 8438 Wilshire Boulevard, Beverly Hills, Calif., to effect the cancellation of registration No. 181,557, issued March 25, 1924, to National Food Products Corporation, Inc., 161 North Anderson Street, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said National Food Products Corporation, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said National Food Products Corporation, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER.
First Assistant Commissioner.

Adjudicated Patents

(D. C. Ohio.) Brintzenhofe patent, No. 1,510,300, for swivel caster, *Held* valid and infringed. *Electric Vacuum Cleaner Co.* v. *Green,* 41 F. Supp. 562.

(D. C. Ohio.) Darst patent, No. 1,755,054, for vacuum-cleaner-brush bearing, *Held* valid and infringed. *Id.*

(C. C. A. Calif.) Creagmile patent, No. 1,840,766, for wheel aligning device, claims 1, 2, and 3 *Held* invalid. *John Bean Mfg. Co.* v. *Creagmile,* 123 F.(2d) 182.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,115,766, G. M. Graham, Wheel turning gauge, decided December 22, 1941, claims 3 and 4.

Pat. 2,255, 355, B. G. Harris, Injector valve-actuator, decided December 31, 1941, claim 1.

Pat. 2,116,731, A. R. Noll, Coding and decoding machine, decided November 24, 1941, claims 1, 6, 7, 8, 16, 17, and 18.

Pat. 2,116,733, A. R. Noll, Coding and decoding machine, decided November 24, 1941, claims 1, 6, 7, 8, and 9.

Disclaimers

2,047,452.—*Victor F. Zahodiakin,* Cincinnati, Ohio. ELECTROLYTIC CONDENSER. Patent Dated July 14, 1936. Disclaimer filed December 29, 1941, by the assignee, *Joseph B. Brennan.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 8, 9, and 13 of said specification.

2,104,935.—*Samuel Solomon,* New York, N. Y. BRIEF CASE OR THE LIKE. Patent dated January 11, 1938. Disclaimer filed December 24, 1941, by the assignee, *Sarah Levine Solomon.*

Hereby enters this disclaimer to claim 1 in said specification.

Condition of Applications Under Examination at Close of Business December 31, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,165; Trade-Mark Division, 1,375. Oldest new case, Apr. 3, 1941; oldest amended, Apr. 3, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 10	May 15	721
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 3	July 15	606
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 6	Oct. 2	533
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 9	Aug. 11	481
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 28	July 22	484
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 16	June 16	945
5725	7. JARBOE, C. G., Optics; Photography	July 12	June 18	1,035
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	June 30	825
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 24	July 29	561
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 29	May 28	713
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 23	Sept. 19	356
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 1	Aug. 1	567
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	May 26	628
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 10	Sept. 4	557
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 31	June 3	1,187
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 10	Sept. 10	432
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 12	June 9	779
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 18	July 22	492
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 25	June 30	672
6606	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 2	370
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 31	Aug. 16	292
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 3	Apr. 3	1,439
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	213
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 11	July 31	789
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 8	July 31	843
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 22	Sept. 5	372
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 30	June 18	511
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 18	247
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 27	June 30	702
4063	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 30	Oct. 2	321
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 14	July 14	1,470
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 11	June 21	847
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 14	June 13	896
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	June 28	July 5	354
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	May 19	June 6	887
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 29	July 23	584
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 15	Sept. 10	507
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 23	May 20	734
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 5	Sept. 15	430
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	June 13	June 14	1,599
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 17	July 18	559
5882	42. CUTTING, H. O., Electric Signaling	Aug. 7	Aug. 8	365
4 886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 5	June 9	647
4087 B	44. HARVEY, L. P., Refrigeration	July 26	Aug. 1	424
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 1	Oct. 25	228
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 1	July 1	790
6082	47. KANOF, W. J., Clutches; Brakes	July 16	July 3	383
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 12	July 12	697
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 5	July 2	654
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	July 2	July 3	1,304
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 13	Oct. 16	330
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 20	Aug. 9	494
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	May 31	Apr. 28	579
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Sept. 2	Sept. 2	305
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 18	Aug. 15	299
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 27	May 22	1,357
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 3	Oct. 1	267
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 18	Sept. 2	416
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	May 26	May 26	1,090
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 12	Aug. 12	316
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 21	July 1	681
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 7	Aug. 25	649
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 11	June 16	1,166
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 5	July 2	1,416
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 22	July 19	427
2099 B	Trade-Marks: F. A. RICHMOND	Nov. 22	Dec. 3	1,375
2606	Designs: H. H. KALUPY	Nov. 21	Dec. 11	641

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Leschinsky

No. 4,547. Decided December 1, 1941

[— F.(2d) —]

Patentability—Earth Working Machinery.

Certain claims to earth working machinery *Held* patentable on the ground that without a knowledge derived from appellant's disclosure, it would not be obvious to modify the prior art to produce appellant's structure.

Appeal from Patent Office. Modified.

Mr. John L. Woodward (*Mr. George B. White* of counsel) for Leschinsky.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of patents.

Lenroot, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability in view of the cited prior art, claims 22 to 27, inclusive, of appellant's application for a patent.

Upon the oral hearing before us appellant moved to dismiss the appeal with respect to claims 23 and 24, and it will be so ordered.

Of the remaining claims, viz., 22 and 25 to 27, inclusive, claim 22 is illustrative and reads as follows:

22. The combination with a vehicle frame, of a bulldozer pushing element, means pivoted on the frame to support said bulldozer pushing element, a plurality of ground breaking elements on said pivoted means spaced from said pushing element being adapted to ride on the surface of the ground during the moving of the bulldozer pushing element in one direction and to penetrate the ground during the moving of the bulldozer in the opposite direction, and means for adjusting said pivoted means so as to simultaneously move said bulldozer pushing element and said ground breaking elements into and out of operative positions relatively to the ground and to the vehicle frame.

The references relied upon are: Hopfield, 1,457,878, June 5, 1923; Allin et al., 2,081,192, May 27, 1937.

Appellant's brief concisely describes appellant's alleged invention, which description, omitting reference numerals, reads as follows:

* * * The invention described in said application relates to a device for earth working machinery, whereby said earth working machinery is enabled to function as a bulldozer for pushing loose earth when moving forward and to function as a ground breaking tool when moving backwards. These functions are performed by the machine automatically and without the need for individually and separately manipulating the pusher element and the ground breaking blades, and the operations are independent of the position or level of the wheels of the vehicle or tractor on which the device is carried. This is accomplished, as shown in the drawings * * *, by supporting a usual bulldozer pusher element * * * at the forward ends of a pair of side arms * * *, and supporting a row of ground breaking blades * * * between said side arms and behind said pusher element, but still in front of the wheels of the vehicle * * *, and finally by pivoting the rear ends of the side arms * * * on the vehicle * * * so that the side arms are allowed to move vertically with both the pusher element and the ground breaking blades moving simultaneously. The side arms are initially supported by the usual hydraulic ram * * *, whereby the whole attachment is dropped to the ground into operative position at will, thereafter the operation becomes automatic controlled solely by the direction of the movement of the vehicle. This is made possible by the arrangement of the parts of the combination in the afore-described relationship, and by the forming and mounting of the ground breaking blades * * * in such a way that the blades * * * ride on the surface of the ground * * * when the machine is moved forward, and automatically bite into the ground * * * when the machine is moved backward. The riding of the bulldozer pushing element on the ground controls the depth of penetration by the blade, independently of the wheels of the tractor. * * *

The device disclosed in the Hopfield patent differs from appellant's structure principally in the following particulars:

1. The side arm members, while pivoted to the vehicle at the rear, as in appellant's structure, are also carried on the tiller wheels and therefore have no movement independently of said wheels.

2. The bulldozer pusher element is raised and lowered by a separate power mechanism, and by manual control, independently of the side arms, and the ground breaking element is also separately and manually raised and lowered by a lever. The position of the ground breaking element is not dependent on the position of the pusher element on the ground.

The patent to Allin et al. relates to a rock blade for bulldozers, in which a tractor is provided with a frame which supports a mold board and also teeth which are ground breaking elements. The teeth may be set to point either forwardly or rearwardly. The mold board and teeth comprise a single unit and cannot be separately manipulated. The device is provided with a lever mechanism for adjusting the unit as a whole, although the patent refers only to the adjustment of the teeth. The patent states:

This invention relates to improvements in ripper and bucker equipment, and it has reference more particularly to an improved form of blade that is designed for use especially on bulldozers, or similar machines; which blade is equipped with road ripping teeth mounted in a manner whereby a roadway may be torn up and whereby rocks, roots, etc., may be combed from the finer material.

More specifically stated, the present invention resides in the provision of a rock blade, including a mold board whereby a plurality of teeth are mounted for the ground ripping and combing action, and which teeth are adjustably mounted and are removable for replacement or sharpening.

The decision of the Board of Appeals is short, the material part of which reads as follows:

The invention relates to a bulldozer attachment for a vehicle such as a tractor. This attachment comprises side bars pivoted at their rear ends on the vehicle so they can be moved vertically. A bulldozer pusher element unites the front ends of the side bars and a plurality of ground breaking elements are supported on the side bars intermediate their ends. An adjusting means is provided for raising and lowering the side bars to simultaneously adjust the bulldozer pushing element and the ground breaking elements.

The Hopfield patent discloses a vehicle, side bars pivoted at their rear ends to the vehicle and ground wheels provided on the front ends of the side bars. A bulldozer pusher element is mounted on the front ends of the side bars and ground breaking elements are mounted on the side bars intermediate the front and rear ends. Separate adjusting means are provided for vertically adjusting the bulldozer pusher element and the ground breaking elements on the side bars.

Allin et al. disclose that it is broadly old to provide a common means for adjusting a bulldozer pusher element and the ground breaking elements simultaneously. In view of this patent it is our view that it would not be inventive to modify the Hopfield patent by employing a common means to raise and lower the side frames to simultaneously raise and lower the bulldozer pusher element and the ground breaking elements. Of course certain changes must be made to make this modification. The adjusting means must be mounted on the main part

of the vehicle and the operator's seat would be mounted on the main part of the vehicle. These changes would be obvious from the Allin et al. patent.

Some other limitations are emphasized in the claims by the applicant but we find none that patentably distinguish over the art.

We do not think that the statement of the Board is entirely accurate that

"Allin et al. disclose that it is broadly old to provide a common means for adjusting a bulldozer pusher element and the ground breaking elements simultaneously."

This language implies that Allin's pushing means and his ground breaking means are separate units having a common means of adjustment. Allin's patent, as hereinbefore indicated, shows that the ground breaking element is in fact rigidly connected to the pusher element, though removable therefrom, and functions under certain conditions as a part of the pusher element. The Allin patent states, omitting numerals:

* * * The rear end of frame * * * is pivotally secured to the tractor and its forward end is vertically adjustable by a lever mechanism designated at * * *, thereby to regulate the elevation of the teeth above, or within the ground.

Said patent further states:

It is also to be pointed out that with the teeth mounted in the manner illustrated in Fig. 1, the machine is adapted particularly to brush bucking, and when a pile of brush has been accumulated in front of the blade, it may be lifted and transported on the teeth to some point of disposition.

It is contemplated also that means shall be provided in connection with this blade for retaining the brush pile on the teeth, or that the blade shall be made to tilt upwardly to facilitate holding the pile of brush thereon.

Allin's mold board could not by any sort of mechanism be adjusted separately from the teeth mounted thereon. For this reason we are of the opinion that the Allin patent would not suggest to one skilled in the art that the Hopfield patent could be modified by employing a common means to simultaneously raise and lower the bulldozer pusher element and the ground breaking element disclosed in the Hopfield patent.

We would further observe that the portion of Allin's device corresponding to the bulldozer pusher element disclosed by appellant, and to the scraper element disclosed by Hopfield, is always spaced from the ground by the teeth attached thereto.

It is true that Allin's combined pusher element and ground breaking element is pivotally attached to a supporting frame, and that appellant's separate bulldozer pusher and ground breaking elements are pivotally attached to a supporting frame; but we find nothing in either of the references to suggest to one skilled in the art that ground breaking means and bulldozer pusher means could be separately and in spaced relation attached to the side frames, which side frames are pivotally attached to a supporting frame, and that means could be provided for adjusting said pivoting means to simultaneously move said bulldozer pusher element and said ground breaking elements into and out of operative positions relative to the ground and to the vehicle frame.

We think the following statement made by us in the case of *In re Smith*, 28 C. C. P. A. (Patents) 1026, 118 F.(2d) 722, 529 O. G. 516, is here applicable:

It seems to us that if obviousness can be said to be derived from the references, on the record here it must necessarily spring from knowledge derived from appellant's structure, and we think the following statement made by the court in the case of *In re Deakins*, 25 C. C. P. A. (Patents) 1153, 96 F.(2d) 845, is applicable:

We have carefully examined the references for a suggestion of appellant's combination and the new and useful results obtained thereby, but have found none. Of course, if the references are examined in the light of appellant's disclosure, the solution of the problem confronting appellant seems simple. A problem solved is no longer a problem, and one is prone to overlook the fact that it ever existed.

It is our opinion that without a knowledge derived from appellant's disclosure, and having only the teachings of the cited references, it would not be obvious to one skilled in the art to modify the Hopfield patent to produce the structure of appellant, which is concededly new and useful.

The appeal as to claims 23 and 24 is dismissed. The decision of the Board of Appeals with respect to claims 22 and 25 to 27, inclusive, is reversed.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,239,538, J. B. Swan, Adjustable wedge, D. C., N. D. Ill., E. Div., Doc. 1639, *J. B. Swan* v. *Franklin Rwy. Supply Co.* Order dismissing second amended complaint Oct. 22, 1941.

1,459,441, G. F. Myers, Vehicle, D. C., S. D. N. Y., Doc. E 83/339, *Myers Aeronautical Corp.* v. *North American Aviation Co.* Final order (notice Dec. 23, 1941).

1,542,469, B. Nelson, Automobile fender, filed Nov. 27, 1941, D. C., N. D. Ill., E. Div., Doc. 3668, *B. Nelson* v. *Ford Motor Co. et al.*

1,588,956, W. Feldenheimer, Treatment of clay, filed Dec. 10, 1941, D. C., N. D. Ga. (Macon), Doc. 168, *William Feldenheimer* v. *Sgoda Corp.*

1,636,750, J. E. Miller, Manufacture of prepared roofings, filed Nov. 27, 1941, D. C., N. D. Ill., E. Div., Doc. 3667, *Certain-Teed Products Corp.* v. *The Flintkote Co.*

1,650,767, W. H. Odiorne, Hitch device for trucks, D. C., E. D. Mich., S. Div., Doc. 385, *Mercury Mfg. Co.* v. *Watson-Rose Mfg. Co. et al.* Consent judgment for plaintiff Dec. 15, 1941.

1,677,789, C. L. Mabey, Battery box clamp, D. C. R. I., Doc. 567, *R. O'Brien et al.* v. *Howard & Lewis Motor Sales, Inc.* Judgment for defendant (notice Dec. 19, 1941).

1,740,554, C. F. Trageser, Pajama pants, D. C., S. D. N. Y., Doc. E 83/371, *The Stadium Mfg. Co., Inc.*, v. *Frackville Mfg. Co., Inc.* Stipulation of dismissal Dec. 22, 1941.

1,781,672, E. B. Working, Chocolate material and process of making same, D. C., N. D. Ill., E. Div., Doc. 1505, *American Lecithin Co.* v. *The Warfield Co.* Claims 4, 6, 9, 10, 11, 12, and 13 held invalid Nov. 24, 1941. Appeal filed Dec. 19, 1941.

1,835,722, W. E. Rembert, Casing perforator for oil wells, filed Dec. 22, 1941, D. C. Tex. (Tyler), Doc. 384, *W. E. Rembert* v. *Lane-Wells Co. et al.*

1,935,596, E. D. Fear, Method of increasing the food value of frozen comestibles, D. C., N. D. Ill., E. Div., Doc. 1169, *De Raef Corp* v. *H. W. Stern et al.* Consent decree holding claims 1 to 13 infringed Dec. 15, 1941.

1,935,022, C. J. Rodman, Bath tub, D. C., E. D. Mich., S. Div., Doc. 2552, *The Steel Sanitary Co.* v. *Murray Corp. of America.* Stipulation for dismissal without prejudice (notice Dec. 23, 1941).

1,960,303, A. C. Durdin, Jr., Screen, D. C., N. D. Ill., E. Div., Doc. 662, *Chicago Pump Co.* v. *International Filter Co.* Claims 5 and 6 held valid and infringed.

injunction Dec. 7, 1940. Mandate reversing decree June 6, 1941. Suit dismissed pursuant to mandate Oct. 2, 1941.

2,002,394, F. E. Frey, Process of converting hydrocarbons, filed Dec. 24, 1941, D. C. Tex., S. Div., Doc. 679, *Phillips Petroleum Co.* v. *Shell Oil Co., Inc.*

2,046,649, H. P. Nordmark, Chair, C. C. A., 6th Cir., Doc. 8710, *American Seating Co.* v. *Ideal Seating Co.* Claims 1 to 4 inclusive held not infringed Dec. 9, 1941.

2,066,560, L. R. Evans, Variable speed drive mechanism, filed Nov. 4, 1941, D. C., N. D. Ill., E. Div., Doc. 3576, *Hardinge Bros., Inc., et al.* v. *Hardinge Mfg. Co. et al.*

2,098,684, W. L. Fry, Slip cover, filed Nov. 6, 1941, D. C. Md., Doc. 1428, *A. C. Ahlberg et al.* v. *The Comfy Mfg. Co.*

2,107,449, H. J. Marlowe, Exercising machine; 2,173,691, same, Exercising toy, filed Dec. 13, 1941, U. S. D. C., District of Columbia, Doc. 13999, *Exercycle Corp. et al.* v. *Slimachine Co.*

2,107,997, J. H. Horsley, Roll top box, D. C., N. D. Ill., E. Div., Doc. 576, *Shanklin Mfg. Co.* v. *Goldblatt Bros., Inc.* Claims 6 and 7 held invalid for lack of invention, complaint dismissed; injunction against plaintiff from asserting that patent has been infringed by intervenor Nov. 7, 1941.

2,123,847, H. Fleisher, Inlaid knitted fabric, C. C. A., 2d Cir., Doc. —. *Arcadia Knitting Mills, Inc.*, v. *Princeton Knitting Mills, Inc.* Decree affirmed (notice Dec. 23, 1941).

2,142,169, A. Bisch, Amusement device, filed Nov. 2, 1941, D. C., N. D. Ill., E. Div., Doc. 3645, *Bisch-Rocco Amusement Co.* v. *Amusement Corp. of America.*

2,151,187, D. E. Christopher, Electric photometer, D. C., N. D. Ill., E. Div., Doc. 843, *D. E. Christopher* v. *Hornstein Photo Sales.* Claim 3 held valid and infringed, injunction Nov. 7, 1941.

2,173,691, H. J. Marlowe, Exercising toy, filed Dec. 26, 1941, D. C., W. D. Mich. (Grand Rapids), Doc. 225, *Michigan Artcraft Co.* v. *Grand Rapids Furniture Co.*

2,191,939, W. S. Marx, Jr., Photo-engraving, filed Nov. 4, 1941, D. C. Mass., Doc. 1595, *Printing Arts Research Laboratories, Inc.*, v. *C. M. Carlisle.*

2,219,393, H. H. McAdam, Defrosting device, filed Dec. 22, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1982–BH, *Refrigeration Engineering, Inc.*, v. *Acme Scale & Fixture Co.*

2,230,862, W. G. Carroll, Cooler apparatus, filed Dec. 22, 1941, D. C., S. D. Ill (Springfield), Doc. 202, *W. G. Carroll* v. *Portable Elevator Mfg. Co.*

2,233,686, D. Topjian, Powder puff, filed Dec. 9, 1941, D. C. Mass., Doc. 1679, *Miquel, Inc.*, v. *D. Topjian.*

2,234,260, G. W. Kirsch, Extension curtain rod, filed Dec. 15, 1941, D. C., W. D. Mich. (Grand Rapids), Doc. 224, *Kirsch Co.* v. *E. J. Riley Co.*

2,234,845, H. Silverstein, Means and method for joining abutting edges of coated fabric, filed Dec. 15, 1941, D. C., S. D. N. Y., Doc. 16/496, *H. Silverstein* v. *Major Leather Supply Co.*

2,264,141, V. Nemeroff, Lighting fixture, D. C., N. D. Ill., E. Div., Doc. 3698, *Electro Mfg. Co.* v. *Bet-R-Lite Products, Inc.* Consent decree holding patent valid and infringed, injunction Dec. 17, 1941.

Re. 21,595, M. Imershein, Undergarment, filed Dec. 19, 1941, D. C., S. D. N. Y., Doc. 17/27, *Graceform-Camlin Corset Co., Inc.*, v. *Rivoli Corset Co., Inc.*

Des. 96,044, F. J. Mascuch, Platter, D. C., S. D. N. Y., Doc. 10/188, *Sheffield Silver Co.* v. *Keystone Silver Co., Inc.* Consent judgment (notice Dec. 20, 1941).

Des. 108,250, N. C. Sternberg, Finger ring, D. C., S. D. N. Y., Doc. 13/5, *N. C. Sternberg* v. *W. Lampl.* Judgment (notice Dec. 17, 1941).

Des. 110,597, E. Jocell, Dress, D. C., S. D. N. Y., Doc. E 87/368, *Neufeld-Furst & Co., Inc.*, v. *Major Frocks, Inc., et al.* Consent decree as to Grey Roth Frocks, Inc., Apr. 24, 1939. Cause dismissed for lack of prosecution Dec. 23, 1941.

Des. 114,767, F. B. Robb, Combination desk and play board, filed Dec. 19, 1941, D. C., E. D. N. Y., Doc. 2459, *F. B. Robb.* v. *A. Wein et al.*

Des. 116,478, A. Katz, Pin clip, D. C., S. D. N. Y., Doc. 8/159, *Cohn & Rosenberger, Inc.*, v. *Strauss Jewelry Novelty Co., Inc.* Consent judgment (notice Dec. 17, 1941).

Des. 119,129, E. Kay, Dress ensemble, D. C., S. D. N. Y., Doc. 12/365, *Roseweb Frocks, Inc.*, v. *Nelson-Caine, Inc.* Consent order of discontinuance (notice Dec. 19, 1941).

Des. 121,554, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 11/104, *Flora Dress Co.* v. *Plummy Dress Corp.* Stipulation of discontinuance (notice Dec. 19, 1941).

Des. 123,153, M. M. Schwalbaum, Dress, D. C., S. D. N. Y., Doc. 11/487, *Brenda Frocks, Inc.*, v. *Lombardy Dresses, Inc.* Stipulation of discontinuance (notice Dec. 19, 1941).

Des. 125,540, L. Freidman, Handbag, C. C. A., 2d. Cir., Doc. —, *Gold Seal Importers, Inc.*, v. *Morris White Fashions, Inc.* Decree affirmed (notice Dec. 23, 1941).

Changes in Classification

Order No. 3,579, December 29, 1941, directs:

In *class 29, Metal Working* (Division 13), establish the following subclass and definition:

Burnishing

90.5 Continuous feed.

90.5. Machines or processes under subclass 90 for burnishing relatively elongated articles of indefinite length, such as wires, rods, tubes, etc., by feeding the same longitudinally through or past the burnishing device.

(1) Note.—This subclass includes machines and processes for smoothing, polishing, or compacting covered wires such as, for example, insulated electric conductors.

(2) Note.—For analogous or related machines or processes, search classes.

15—BRUSHING, SCRUBBING AND GENERAL CLEANING, especially subclasses 77, 88, 102, 104.04 and 269.
26—TEXTILES, CLOTH FINISHING, especially subclass 2.
28—TEXTILES, especially subclass 57 and indented subclasses.
51—ABRADING, especially subclasses 1, 2, 5, 16 and indented subclasses, 70, 71, 73 and 75.
57—TEXTILES, SPINNING, TWISTING AND TWINING, especially subclass 138.
91—COATING, especially subclass 53.
93—PAPER MANUFACTURES, subclass 83.
144—WOODWORKING, especially subclass 49.

The patents contained in this subclass have been taken for the most part from class 173, Electricity, Connectors, subclass 244, abolished in this order, and from class 29, subclass 90.

In class *33, Geometrical Instruments* (Division 62), establish the following subclass and definition:

Gauges

179.5 Spur gearing type.

179.5. Gauges under subclass 174 peculiarly designed for determining the form of spur gearing or the like. Devices for gaging the form of hobs or spur gear cutters are here included.

(1) Note.—For opposed contact or single or offset contact gauges useful in determining gear form but as claimed capable of general application, see this class, subclasses 143 and 169, respectively, and their indented subclasses.

(2) Note.—For processes and apparatus for determining other physical characteristics of gears such as tooth strength, noise produced by meshing, etc., see class 73, MEASURING AND TESTING, subclass 55.

The patents in this subclass were taken for the most part from class 33, Geometrical Instruments, subclasses 148, 172 and 174, and from class 73, Measuring and Testing, subclass 51.

In *class 36, Boots, Shoes and Leggings* (Division 11), change the title of subclass 73 to read:

Protectors
73 Sole and/or heel.

In *class 73, Measuring and Testing* (Division 36), establish the following subclasses:

Testing machines
52 Clock, watch and watch balance,
54 Statistical card verifying.
55 Spur gearing.

The patents in these subclasses were taken from class 73, Measuring and Testing, subclass 51.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 61), establish the following subclasses and definitions:

2.21 Electric conductor making and/or jointing
2.22 Joining, splicing, or repairing,
2.23 Plugging and sealing.
2.24 Multiple conductor or conductor strand,
2.25 Covering
2.26 With preformed material
2.27 Applying plural preformed materials,
2.28 With liquid or plastic application.

2.21. Apparatus or processes for making electric conductors or for joining, splicing, or repairing the same.

(1) Note.—The term "conductor", as used herein, means any wire, strand, filament, bar, rod, cable, cord, tube, or like element, of indefinite length, simple or compound, bare or insulated, designed and intended to provide an electrically conductive path between its ends.

(2) Note.—This class is a residual class for miscellaneous patents pertaining to the above subject matter and which cannot be classified elsewhere. The bulk of the patents relating to this subject matter is to be found in the various manufacturing apparatus and process classes referred to in the following notes. The definitions of these classes should be consulted to determine the scope and limitations thereof, this class (154) taking only those patents which cannot be properly allocated to any other manufacturing class. The following notes refer to those classes in which conductor manufacturing and other immediately related processes and apparatus are known to exist, but are probably not exhaustive.

Metal Working Operations—

(3) Note.—For the making, forming, or shaping of wires, rods, tubes, cables, or other metallic elements, either simple or compound, or for the covering or sheathing of wires, rods, etc., either insulated or not, by mere metal working operations, see classes:

22, METAL FOUNDING, especially subclasses 57.2 and indented subclasses, and 200.1.
29, METAL WORKING, especially subclasses 84, 155.5 and indented subclasses, 169.2 and 188.
78, METAL FORGING AND WELDING, especially subclasses 83 and 92 and their indented subclasses.
80, METAL ROLLING, especially subclasses 11 and indented subclasses, 62 and 63.
113, SHEET METAL WARE MAKING, especially subclasses 33 and 116 and their indented subclasses.
140, WIRE-WORKING, especially subclasses 71 and 149.
153, METAL BENDING, especially subclasses 1 and 78.
205, METAL DRAWING, especially subclass 16 and indented subclasses.
207, PLASTIC METAL WORKING, especially subclasses 2, 4 and 10.
219, ELECTRIC HEATING, especially subclass 1 and indented subclasses.

(4) Note.—The above classes also provide for certain subsidiary or miscellaneous operations encountered in the manufacture of electric conductors or otherwise of interest therein, as set forth in notes (21), (24) and (26) below and in notes (1), (2) and (5) to the definition of subclass 2.22.

(5) Note.—For mere twisting or twining of metal strands, wires, etc., or for mere coating operations with metal, see notes (9) and (12), respectively, below.

(6) Note.—In general, the above classes may be said to be restricted to metal working operations, or to such operations combined with certain subsidiary operations which are merely incidental to the metal working. However, exceptions are found in class 29, METAL WORKING, in which subclasses 84, 90 and 95 and their indented subclasses are the generic places for the operations provided for therein regardless of the material worked on, and class 113, SHEET METAL WARE MAKING, which takes machines for die-shaping dry paper articles. Thus, for example, for the threading or assembling of beads, discs, or other spacer members, whether of metal or not, on wires, as in coaxial cables, see class 29, subclass 84.

(7) Note.—Plural or combined operations, each of which is a metal working operation, are also included in the above classes, class 29, METAL WORKING, taking all such combined operations not provided for in the other metal working classes. Accordingly, patents relating to the manufacture of electric conductors wherein each operation involves metal working, will be classified in one of the above classes, but where, in addition to the metal working, an operation not merely subsidiary thereto is claimed, as, for example, the coating or covering of a wire with insulation prior or subsequent to the metal working, such patent will be classified in class 154.

Textile Working Operations—

(8) Note.—For the making or forming of cords, cables, or other strands, including conductors, or for the covering or sheathing of such elements by mere textile working operations, see classes:

19, TEXTILES, FIBER PREPARATION, especially subclass 145.
28, TEXTILES.
57, TEXTILES, SPINNING, TWISTING AND TWINING, especially subclasses 3 and indented subclasses, 33, 34 and indented subclasses, 160 and indented subclasses, and 166.
66, TEXTILES, KNITTING, especially subclasses 9 and indented subclasses, 61, 80 and 83 and indented subclasses.
96, TEXTILES, BRAIDING, NETTING OR LACE MAKING, especially subclasses 3 and 26.
139, TEXTILES, WEAVING.

(9) Note.—In general, these textile classes are restricted to textile working operations, by which is meant the working, manipulating, or interengagement of fibres, filaments, strands, etc., to produce fabric structures. The filaments, strands, etc., may be of metal where no particular metal working is involved. Thus, for example, class 57, TEXTILES, SPINNING, TWISTING AND TWINING, will take the mere twisting or twining of one or more metallic strips, tapes, wires, etc., to form wire-rope, cables, etc., or to cover a core therewith.

(10) Note.—Textile working operations combined with subsidiary or auxiliary operations such as, for example, coating or impregnating of the fibres or strands, or of the core, or of the completed article, with fluid or plastic material are also included.

(11) Note.—Plural or combined operations each of which is a textile working operation (i. e., twisting or twining plus braiding or knitting) are also included, class 28, TEXTILES, taking such residual combined operations not provided for in the other textile classes. Accordingly, patents relating to the manufacture of electric conductors wherein each operation is a textile working operation are classifiable in one of the above classes, but where, in addition to the textile working, an operation not merely subsidiary thereto is claimed, as, for example, applying a metallic sheath by drawing or rolling prior or subsequent to the textile working operation, such patent will be classified in class 154.

Coating, Covering and Sheathing—

(12) Note.—For coating, covering, or sheathing conductors by metal working operations or by textile working operations, see the classes listed under these respective headings above. For other apparatus or processes for forming or applying a coating, sheathing, or other covering on a conductor, cable, or other strand, see classes:

18, PLASTICS, especially subclasses 11, 13 and 59.
49, GLASS, especially subclasses 32, 66, 81 and 86.
91, COATING, especially subclasses 18 and 68 and their indented subclasses.
92, PAPER MAKING AND FIBER LIBERATION, subclasses 21, 40, 41, 55.
148, METAL TREATMENT, especially subclass 6.
204, CHEMISTRY, ELECTRICAL AD WAVE ENERGY, especially subclasses 27 and 28.

Classes 91, 148 and 204 include coating with metal, when applied by the operations provided for in these classes.

(13) Note.—In general, the above classes will take the coating or covering by the operations provided for of two or more strands as in a multiple conductor cable, but where the assembling of such strands by a particular manipulation thereof, either prior or subsequent to the coating operation is claimed, such combination is ordinarily excluded. Thus, for example, the extruding of a rubber insulation about two spaced wires to form a duplex electric cord would be classifiable in class 18, PLASTICS, but the prior or subsequent assembling of such wires, by a claimed operation, would cause classification in class 154.

Structure—

(14) Note.—For the structure of electric conductors or for analogous strand structures, including pipes, hose, and conduits, see class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, appropriate subclasses and notes (2) to (14) of the main class definition thereof.

As between this class (154) and class 174, the article controls classification, i. e., patents claiming both conductor structure and the method or apparatus for making it will be classified in class 174 and cross-referenced to class 154.

Miscellaneous—

(15) Note.—Under this heading are included miscellaneous apparatus and processes used in the manufacture of electrical conductors or otherwise of interest therein.

(16) Note.—For electroforming of metallic filaments, wires, etc., see class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, especially subclass 13.

(17) Note.—For methods or apparatus for installing or laying conductors, drawing them through conduits, or placing them on poles, see classes:

25, PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclass 22.
61, HYDRAULIC AND EARTH ENGINEERING, subclass 72.
111, PLANTING, subclass 5.
175, ELECTRICITY, GENERAL APPLICATIONS, subclass 376 and indented subclasses.
294, HANDLING, HAND AND HOIST-LINE IMPLEMENTS, especially subclass 19.

(18) Note.—For apparatus or processes for filling cable or conduit structures, including joints, with fluids, see classes:

174, ELECTRICITY, CONDUCTORS AND INSULATORS, especially subclass 15.
221, DISPENSING, especially subclass 67 and indented subclasses.
226, FILLING AND CLOSING PORTABLE RECEPTACLES, especially subclass 19 and indented subclasses.

(19) Note.—See class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, especially subclasses 115.5 and 132.5 and their indented subclasses, the generic class for the fluid treatment of textiles and fibers for any purpose, including such treatments as improve the insulating properties thereof, and will take such treatments applied to the textile or fiber coverings or conductors.

(20) Note.—See class 25, PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclass 30 and indented subclasses, for making pipes including conduits and insulating tubes of earthenware material.

(21) Note.—See class 29, METAL WORKING, subclasses 90 and 90.5, for smoothing, compacting, polishing, etc., of bare or covered conductors or other strands (analogous and related operations are set forth in the notes to subclass 90.5 of class 29), subclasses 155.5 and indented subclasses, and 169.2, for blanks and processes for forming miscellaneous electrical devices.

(22) Note.—See class 34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, especially subclasses 1, 16, 18, 23, 24, 41 and 148 and indented subclasses, for the drying of sheets, webs, or strands including conductors and cables.

(23) Note.—See class 93, PAPER MANUFACTURES, subclasses 77–83 and 94, for making paper tubes; and subclass 84, for making folded paper articles.

(24) Note.—See class 113, SHEET METAL WARE MAKING, subclass 119, for processes of making sheet metal electrical contacts, connectors, and terminals.

(25) Note.—See class 137, WATER DISTRIBUTION, subclass 77, for processes and apparatus for detecting leaks in fluid-filled cables.

(26) Note.—See class 140, WIRE-WORKING, subclass 92.1, for forms and frames for forming wire coils, such as armature coils, subclass 125 and indented subclasses, for mere wire feeding devices, subclass 141 and indented subclasses, for wire cutting, and subclass 147, for wire straightening.

(27) Note.—See class 141, WASHING APPARATUS, especially subclass 1, for apparatus for washing conductors or other strands including removal of coatings by washing operations.

(28) Note.—See this class (154), subclasses 1 and 2, for processes and machines for applying electric insulating linings to tubes other than by mere coating operations, subclasses 2.5 and 2.6, for electrical insulation fabrics and processes and machines for making the same, and subclass 5 and indented subclasses, for hose making.

(29) Note.—See class 175, ELECTRICITY, GENERAL APPLICATIONS, subclass 183, for electrical conductor and insulation testing.

(30) Note.—See class 176, ELECTRIC LAMPS, subclasses 2–7, for manufacture and repair of electric lamps.

(31) Note.—See class 242, WINDING AND REELING, subclasses 6, 9 and 10, for winding of magnets and coils and for taping and insulating the same, and subclasses 4 and indented subclasses, 7 and indented subclasses, 25, and 47, 54 and 78 and their indented subclasses, for devices for winding wire and other strands.

2.22. Apparatus or processes under subclass 2.21 for (1) joining or splicing two or more conductors to one another, including preparing the conductors for joining or splicing, or (2) insulating or covering conductor joints or splices, or (3) repairing a damaged conductor.

(1) Note.—For forming cast metal joints or for joining wires by metal founding means, see class 22, METAL FOUNDING, especially subclasses 58, 116 and 201 and their indented subclasses.

(2) Note.—For joining metal by mere welding or soldering operations, see class 78, METAL FORGING AND WELDING, subclass 82 and indented subclasses, and class 113, SHEET METAL WARE MAKING, subclasses 59, 92 and 111, except where limited to electric welding, for which see class 219, ELECTRIC HEATING, subclass 4 and indented subclasses.

(3) Note.—For splicing strands by a twisting or twining operation, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 22, 23 and 159.

(4) Note.—For mere tying of cords or strands, see class 289, TYING CORDS OR STRANDS.

(5) Note.—For other processes and devices for joining or uniting wire, see class 140, WIRE-WORKING, subclass 111 and indented subclasses.

(6) Note.—For mere tools in general for joining or splicing conductors, or for preparing the conductors to be joined, see classes:

7, COMPOUND TOOLS.
30, CUTLERY, especially subclasses 91 and 92 and indented subclasses.
81, TOOLS, especially subclasses 9.5 and 9.51.

(7) Note.—For the structure of conductor joints, see class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclasses 21, 22 and 84 and indented subclasses.

(8) Note.—For processes and apparatus for repairing leaks in pipes and hose, including electric conduits, see class 138, PIPES AND TUBULAR CONDUITS, subclass 97.

2.23. Apparatus or processes under subclass 2.21 for forming a plug or seal at the end, or at an intermediate point, or at a plurality of such points, in a conductor or cable to form a fluid stop therein or for any other purpose.

(1) Note.—See class 138, PIPES AND TUBULAR CONDUITS, subclass 89 and indented subclasses, for pipes and tubular conduits in general combined with closures and plugs.

(2) Note.—For the structure of plugs and seals in electric conductors, see class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 23.

2.24. Apparatus or processes under subclass 2.21 (1) in which two or more filaments, wires or other strands, bare or insulated, are manipulated or assembled to form a plural strand conductor or a plural conductor cable, or (2) in which two or more conductors are separately covered or insulated from one another to form a plural conductor cable.

Note.—This subclass does not include the mere covering or wrapping of one conductor or strand by another, as in coaxial cables, for which see this class, subclass 2.25 and indented subclasses.

2.25. Apparatus or processes under subclass 2.21 for coating, sheathing, wrapping, armoring, or otherwise enclosing a conductor either to insulate the same, or for mechanical protection, or for any other purpose.

(1) Note.—This subclass and the indented subclasses include the covering or wrapping of one conductor by another to form coaxial cables.

(2) Note.—For covering conductor joints or splices, see this class, subclass 2.22.

(3) Note.—For covering two or more conductors so as to insulate one from the other, see this class, subclass 2.24.

2.26. Apparatus or processes under subclass 2.25 in which a preformed strip, sheet, tape, wire, strand, tube or other preformed element is used to cover, wrap, or enclose a conductor.

2.27. Apparatus or processes under subclass 2.26 in which two or more preformed strips, sheets, tapes, wires, strands, tubes, or other preformed elements are used to form a covering or to form a plurality of coverings.

Note.—This subclass includes the working, manipulating, or assembling of a plurality of preformed strands or other elements to form a unitary covering as in forming a braided covering, for example.

2.28. Apparatus or processes under subclass 2.26 combined with means for applying a liquid or plastic material either to form a separate covering, or as a coating, impregnant, or adhesive for the preformed material.

Note.—For applying liquid or plastic material not combined with applying preformed material, see this class, subclass 2.25.

The patents contained in the above subclasses have been taken for the most part from class 173, Electricity, Connectors, subclass 244, abolished in this order.

In *class 173, Electricity, Connectors* (Division 65), abolish the following subclass:

244 **Machines for covering.**

The patents formerly contained in this subclass have been placed for the most part in class 29, Metal Working, subclass 90, and in subclass 90.5, established in this order, and in class 154, Laminated Fabric and Analogous Manufactures, subclasses 2.21 to 2.28, established in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), in the main class definition, at the end of the third paragraph add the following paragraph:

For smoothing, compacting, or polishing the surface of metallic or non-metallic articles by mere burnishing operations, see class 29, METAL WORKING, subclasses 90 and 90.5.

In *class 16, Miscellaneous Hardware* (Division 20), subclass 110, add the following note:

(8.5) Note.—Handles and hand holds for fabric type wipers, daubers and polishers are found in class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 222.

In *class 18, Plastics* (Division 15), subclass 13, cancel the reference to class 173 and add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses;

and in subclass 59, in note (2), in the reference to class 154, after "hose" add *and electric conductors and cables.*

In *class 28, Textiles* (Division 21), subclass 57, add:

29—METAL WORKING, subclasses 90 and 90.5, for smoothing, compacting, and polishing the surfaces of articles including strands by mere burnishing operations.

In *class 29. Metal Working* (Divisions 13, 14 and 29), in the main class definition, number the existing paragraph *I* and add:

II. This class has been made the generic class for the subjects matter of the following subclasses and those indented thereunder, regardless of material worked on:

84—ASSEMBLING.
90—BURNISHING.
95—CUTTERS;

in subclass 84, number notes (1) to (3) as (2) to (4) and add:

(1) Note.—See paragraph II of the main class definition;

in subclass 90 cancel the definition and note and substitute:

90. Machines or processes, not otherwise classified, for condensing, compacting, smoothing, or polishing the surface of metallic or non-metallic articles, usually by rubbing with a smooth surface of greater hardness than that of the article being operated upon. These machines differ from grinding machines in that there is practically no abrasion of the surface treated.

(1) Note.—See paragraph II of the main class definition.

(2) Note.—For burnishing steps combined with electrolytic coating, see class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 36;

in subclass 95 number the existing note (2) and add:

(1) Note.—See paragraph II of the main class definition;

and in subclass 155.5 number the existing note (1) and add:

(2) Note.—For apparatus and processes for making electric conductors and cables, involving operations other than metal working, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses.

In *class 33, Geometrical Instruments* (Division 62), subclass 50, number the existing note (1) and add:

(2) Note.—For telescope structure in general, see class 88, OPTICS, subclass 32 and indented subclasses:

in subclass 180 add the following note:

(3) Note.—For gages used to determine the proper relationship of axes of spur gears to produce proper meshing, see this class, subclass 179.5;

in subclass 181 add the following note:

Note.—For gages for determining the position of axes of spur gearing to produce proper meshing, see this class, subclass 179.5;

and in subclass 199 number the existing note (1) and add:

(2) Note.—For gages having means to determine the lead angle of spur gearing, see this class, subclass 179.5.

In *class 36, Boots, Shoes and Leggings* (Division 11), subclass 73, in the second line of the definition change "and" to *and/or.*

In *class 57, Textiles, Spinning, Twisting and Twining* (Division 21), subclass 6, number the existing note (1) and add:

(2) Note.—Compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous making and covering of electric conductors;

in subclass 22 number the existing note (1) and add:

(2) Note.—For splicing or joining electric conductors, compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.22;

in subclass 34 add the following note:

(5) Note.—Compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous making and covering of electric conductors;

in subclass 138 add the following note:

(5) Note.—For burnishing wire, cord, and other strands, see class 29, METAL WORKING, subclasses 90 and 90.5;

in subclass 159 add the following note:

Note.—For splicing or joining electric conductors, compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.22;

in subclass 162 number the existing note (1) and add:

(2) Note.—Compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21, for miscellaneous making and covering of electric conductors;

and in subclass 166 number the existing note (1) and add:

(2) Note.—Compare class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21, for miscellaneous making and covering of electric conductors.

In *class 58, Horology* (Division 61), in the main class definition add the following note:

Note.—For processes and apparatus for testing clocks, watches, watch balances and hairsprings, see class 73, MEASURING AND TESTING, subclass 52.

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), main class definition, in the paragraph numbered "7, Liquid flowing", after "pumps" insert, *by centrifuging*; in subclass 148 add the following note:

Note.—This subclass and the indented subclasses take patents in which the textiles are centrifuged to cause flow of liquids relative thereto;

in subclass 200 number the existing note (1) and add:

(2) Note.—See this class, subclass 148 and indented subclasses, for centrifuges to cause flow of liquid relative to the textiles even though the liquid is supplied other than by immersion;

and in subclass 213, note (2), cancel "and 62.6".

In *class 74, Machine Elements and Mechanisms* (Division 12), subclass 589, add the following:

267—SPRING DEVICES, subclass 1, for cushioning devices and pneumatic and hydropneumatic counterbalances per se.

In *class 88, Optics* (Division 7), subclass 14, at the end of note (2) add *and their indented subclasses*; and in subclass 32 number the existing note (1) and add:

(2) Note.—For gun sights of telescope type, see class 33, GEOMETRICAL INSTRUMENTS, subclasses 48 and 50.

In *class 91, Coating* (Division 38), in the main class definition add:

See class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous processes and apparatus for making or covering electric conductors combined with coating or impregnating operations.

In *class 93, Paper Manufactures* (Division 17), subclass 83, add the following note:

Search Class—
29—METAL WORKING, subclasses 90 and 90.5.

In *class 101, Printing* (Division 17), subclass 35, add the following note:

(3) Note.—For stenciling machines for operating on special articles, search this class, subclass 114 and indented subclasses.

In *class 140, Wire-Working* (Division 14), subclass 71, under "Search classes" add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous processes and apparatus for making and covering electric conductors;

and in subclass 111 under "Search classes" add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.22, for miscellaneous processes and apparatus for joining or splicing electric conductors.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 61), in subclass 5 change note (1) to read:

(1) Search this class, subclasses 2.25 and 9 and indented subclasses.

In *class 158, Liquid and Gaseous Fuel Burners* (Division 19), subclass 7.5, note (3), cancel the reference to class 277, Multiple Valves, and add the following note:

(4) Note.—For regenerative systems consisting of reversing valves and only the fluid flow passages of the furnace or regenerator and for the valves per se, see class 137, WATER DISTRIBUTION, subclasses 78, 147, 151, and class 277, MULTIPLE VALVES, subclasses 5 and 6.

In *class 174, Electricity, Conductors and Insulators* (Division 65), in the main class definition add the following note:

(3.5) Note.—For conductor manufacture in general, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, and the notes appended to the definitions thereof;

in subclass 21 number the existing note (1) and add:

(2) Note.—See class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.22, for miscellaneous apparatus and processes for joining or splicing electric conductors or for covering joints and splices;

in subclass 23 add the following note:

(5) Note.—For apparatus or processes for forming fluid stops in conductors and cables, see class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.23;

in subclass 68, in note (3) add the following in proper numerical order:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclass 32; 111, PLANTING, subclass 5;

and in subclass 84 add the following note:

(7) Note.—See class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.22, for miscellaneous apparatus and processes for making or covering conductor joints and splices.

In *class 205, Metal Drawing* (Division 13), in subclass 17, cancel note (1) and substitute:

(1) Note.—For machines for covering wire with insulating material and tape, search class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses.

In *class 207, Plastic Metal Working* (Division 13), subclass 2, in note (2), cancel the reference to class 173 and add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous apparatus and processes for applying material to electric conductors;

and in subclass 4 cancel the reference to class 173 and add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses, for miscellaneous apparatus and processes for applying material to electric conductors.

In *class 235, Registers* (Division 23), subclass 61.7, add the following note:

Note.—For statistical card verifying machines which compare two sets of data, see class 73, MEASURING AND TESTING, subclass 54;

and in subclass 61.11 in the note add:

73—MEASURING AND TESTING, subclass 54.

In *class 242, Winding and Reeling* (Division 61), subclass 6, in note (2) cancel "and 173, Electricity, Connectors, subclass 244" and substitute:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses;

in subclass 7 under "Search classes" cancel the reference to class 173; and in the reference to class 154 add:

and subclass 2.21 and indented subclasses, for miscellaneous apparatus and processes for making and covering electric conductors;

and in subclass 10 in the note cancel "and 173, Electricity, Connectors, subclass 244" and substitute:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2.21 and indented subclasses.

In *class 260, Chemistry, Carbon Compounds* (Division 50), subclass 2, note (2), in the second sentence change "108" to *709.*

Order No. 3,580, December 31, 1941, directs:

In *class 7, Compound Tools* (Division 29), establish the following subclasses and definitions:

Type
Pliers
6.2 With receptacle closure remover.
Cutters combined with other tools
Can opener cutter
14.25 With receptacle closure remover.
14.6 With receptacle closure remover.

6.2. Compound tools under subclass 3 in which at least one of the tools is a receptacle closure remover.

(1) Note.—For other tools combined with receptacle closure removers, see this class, subclasses 14.25 and 14.6.

(2) Note.—For receptacle closure removers per se or in combination with devices other than tools, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

14.25. Compound tools under subclass 14.2 in which at least one of the tools is a receptacle closure remover.

(1) Note.—For other tools combined with receptacle closure removers, see this class, subclasses 6.2 and 14.6.

(2) Note.—For receptacle closure removers per se or in combination with devices other than tools, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

14.6. Compound tools in which at least one of the tools is a receptacle closure remover.

(1) Note.—Search also this class, subclasses 6.2 and 14.25.

(2) Note.—For pocket knives combined with receptacle closure removers, see this class, subclass 11.

(3) Note.—For receptacle closure removers per se or in combination with devices other than tools, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

The patents contained in these subclasses were taken for the most part from class 7, Compound Tools, subclasses 1, 3 and 14.2.

In *class 65, Kitchen and Table Articles* (Division 8), abolish the following subclasses:

46 Stopper extractors
47 Hook,
48 Screw
49 Lever operated,
50 Rotary,
51 Screw and lever.

The patents formerly contained in these subclasses have been placed for the most part in class 81, Tools, subclasses 3.10 to 3.49, inclusive, established in this order.

In *class 81, Tools* (Division 29), abolish the following subclasses with their definitions:

Special
3.1 Fruit-jar type
3.2 Holders
3.3 With bottom support.

The patents formerly contained in these subclasses have been placed for the most part in class 81, Tools, subclasses 3.10 to 3.44, inclusive, established in this order.

In *class 81, Tools* (Division 29), establish the following subclasses and definitions:

Special
Receptacle closure removers
- 3.10 Combined or plural,
- 3.20 Power, vacuum and/or fluid pressure operated,
- 3.30 Wall or surface mounted or supported types
- 3.31 With receptacle supporting and/or grasping means
- 3.32 With bottom support,
- 3.33 Rotary remover device, gear or lever actuated,
- 3.34 Hand manipulated types
- 3.35 Movable into or over handle,
- 3.36 With additional receptacle engaging means
- 3.37 Lever or gear translated closure remover,
- 3.38 Receptacle or closure socket type,
- 3.39 With bottom support,
- 3.40 Gripping type
- 3.41 Finger grapple type,
- 3.42 With reciprocating closure engaging means,
- 3.43 With deformable strip tightening means,
- 3.44 With pivoted closure engaging parts,
- 3.45 Screw type,
- 3.46 Levering or pry-off type
- 3.47 With impaling or inserting remover,
- 3.48 Impaling or inserting type
- 3.49 With lateral projection or abutment.

Special, Receptacle closure removers. Special tools for removing closures from receptacles and adjuncts to such removers not provided for elsewhere.

(1) Note.—For related tools of general application see the appropriate subclasses of this class, particularly subclasses 17, 44 and 53 and their indented subclasses.

(2) Note.—For cap and can cover straighteners, see this class, subclass 15.1.

(3) Note.—The line between this subject matter and the receptacle classes is as follows:

The receptacle classes (i. e., class 215, BOTTLES AND JARS, subclasses 46, 51, 55, 100 and 101; class 220, METALLIC RECEPTACLES, subclasses 36, 43 and 47 and indented subclasses; class 229, PAPER RECEPTACLES, subclasses 51 and 66) take the claimed combination of a receptacle or receptacle closure with a means for removing the closure. Class 81, in subclasses 3.10 to 3.49, inclusive, takes receptacle closure removers per se capable of repeated use.

(4) Note.—For related art, see the following classes:

22, METAL FOUNDING, subclasses 93 and 186, for core drawing and pattern lifting apparatus.

29, METAL WORKING, subclasses 86.1 and 86.2, for pin removers.

30, CUTLERY, subclasses 2 and 3 and indented subclasses, for carton and can openers.

32, DENTISTRY, subclasses 61 and 62, for dental extractors.

42, FIREARMS, subclass 95, for tools for extracting shells from guns.

76, METAL TOOLS AND IMPLEMENTS, MAKING, subclass 101, for blanks and processes for making receptacle closure removers.

86, AMMUNITION AND EXPLOSIVE-CHARGE MAKING, subclasses 37 and 38, for devices for removing primers from cartridges.

120, STATIONERY, subclass 97, for pen extractors.

145, WOODWORKING TOOLS, subclass 21, for box openers.

225, DISPENSING BEVERAGES, subclass 2 and indented subclasses, for barrel taps.

226, FILLING AND CLOSING PORTABLE RECEPTACLES, subclasses 88 and 129.

254, PUSHING AND PULLING IMPLEMENTS, for pulling and prying devices of general application.

266, METALLURGICAL APPARATUS, subclass 42, for devices for tapping furnaces.

294, HANDLING, HAND AND HOIST LINE IMPLEMENTS, particularly subclasses 12, 27, 61 and 86 and their indented subclasses.

3.10. Tools including (1) a plurality of receptacle closure removers, or (2) combinations not provided for elsewhere of receptacle closure removers and other devices (such as closure receivers or ejectors, etc.).

(1) Note.—For receptacle closure removers wherein the closure is freed from the remover by mere reverse movement of the remover, see the appropriate subclasses below.

(2) Note.—For receptacle closure removers combined with other tools, see class 7, COMPOUND TOOLS, subclasses 6.2, 14.25 and 14.6.

(3) Note.—For combinations of a receptacle or receptacle closure with a means for removing the closure, see the appropriate receptacle classes, particularly class 215, BOTTLES AND JARS, subclasses 46, 51, 55, 100 and 101; class 220, METALLIC RECEPTACLES, subclasses 36, 43 and 47 and indented subclasses, and class 229, PAPER RECEPTACLES, subclasses 51 and 66.

3.20. Receptacle closure removers which are (1) power-driven or (2) actuated by vacuum or fluid pressure means.

3.30. Receptacle closure removers which are mounted upon a wall or other supporting surface.

(1) Note.—Receptacle closure removers peculiarly designed so as to require mounting for proper operation have been placed in this subclass or indented subclasses even though not claimed as wall or surface mounted.

(2) Search this class, subclass 3.10, for wall mounted devices including means to receive the receptacle closure.

(3) Search this class, subclass 3.20, for power driven and/or vacuum or fluid pressure actuated receptacle removers.

3.31. Removers under subclass 3.30 combined with means to support and/or grasp the receptacle.

(1) Note.—Removers having structure which engages the receptacle during removal of the closure but does not support or grasp the receptacle are excluded.

(2) Note.—This subclass and the indented subclass include receptacle holding or grasping means per se as well as in combination with closure engaging means.

(3) Note.—For vises of general use, see this class, subclass 17 and indented subclasses.

(4) Note.—For can openers having receptacle supports, see class 30, CUTLERY, subclasses 10 and 11.

3.32. Removers under subclass 3.31 having suporting means extending under the receptacle.

(1) Note.—The means may include the surface upon which the closure remover is mounted.

(2) Note.—For hand manipulated closure removers having receptacle bottom supports, see this class, subclass 3.39.

(3) Note.—For receptacle supports in general, see class 248, SUPPORTS, particularly subclasses 154, 310 and 311 and indented subclasses.

3.33. Removers under subclass 3.30 including a rotary device for engaging the closure, such as a corkscrew, and mechanism comprising a gear or lever to actuate the rotary device, either to rotate it or translate it, or both.

Search this class, subclasses 3.31 and 3.32, for similar devices having in addition means to grasp or support the receptacle.

3.34. Receptacle closure removers which are manipulable by hand, i. e., do not require attachment to a fixed support for their use.

Search this class, subclass 3.20, for power driven, vacuum or fluid pressure actuated devices.

3.35. Removers under subclass 3.34 in which the element which engages the closure can be moved into a handle or over the handle, i. e., can be folded, collapsed or placed into close engagement with the handle.

(1) Search class—
7—COMPOUND TOOLS, subclass 11, for combinations of closure remover and pocket knife.

(2) Note.—For sheathed cutlery, see class 30, CUTLERY, subclass 151 and indented subclasses.

3.36. Removers under subclass 3.34 in which in addition to the closure engaging part there is means engaging the receptacle to aid in the closure removing operation.

(1) Search this class, subclasses 3.31 and 3.32, for wall or surface mounted closure removers having receptacle supporting or grasping means.

(2) Note.—This subclass and the indented subclasses, particularly subclass 3.39, include receptacle engaging means per se as well as in combination with closure engaging means.

3.37. Removers under subclass 3.36 in which the closure engaging part is given a translating, i. e., a linear or substantially linear motion by means including a gear or lever element.

Search this class, subclasses 3.21, 3.32 and 3.33, for wall mounted closure removers having a lever or gear translated closure remover.

3.38. Removers under subclass 3.36 including a member which fits over the top and contacts the receptacle (usually a bottleneck), the closure remover having movement with respect to this member. This member is usually in the form of a socket.

Search this class, subclass 3.30 and indented subclasses, for wall mounted closure removers having receptacle or closure sockets; and subclass 3.37, for similar devices having a lever or gear translated closure remover.

3.39. Removers under subclass 3.36 in which the additional receptacle engaging means extends under the receptacle to support it.

(1) Note.—This subclass includes devices per se intended to grasp or hold the receptacle as well as the combination thereof with means to engage the closure to remove it.

(2) Note.—See this class, subclass 3.32, for wall mounted closure removers having bottom supports for receptacles.

3.40. Removers under subclass 3.34 not provided for in the subclasses indented hereunder, (1) having means to grasp the closure, or (2) comprising means to grasp the receptacle to hold it during the removal of the closure.

(1) Search this class, subclasses 3.31 and 3.32, for wall mounted closure removers having receptacle grasping means, and subclass 3.39.

(2) Note.—See this class, subclass 3.46, for tong or plier-like devices for prying off receptacle closures.

(3) Note.—For pliers or tongs of general application, see this class, subclass 44 and indented subclasses.

(4) Note.—For grapples in general, see class 294, HANDLING, HAND AND HOIST LINE IMPLEMENTS, subclasses 27 and 86 and their indented subclasses.

3.41. Removers under subclass 3.40 comprising two or more finger-like members which grip the receptacle closure by expanding or contracting motion.

Note.—For closure removers of similar nature wherein the members are joined at their ends to form loops, see this class, subclass 3.34.

3.42. Removers under subclass 3.40 in which at least one closure engaging part reciprocates, i. e., has a linear motion, to engage and disengage the closure.

Note.—Removers in which the closure engaging parts move about a pivot in engaging and disengaging the closure, but can be adjusted to various sizes by linear motion, are classified in this class, subclass 3.44.

3.43. Removers under subclass 3.40 comprising a deformable strip-like member which is caused to engage tightly about the closure or receptacle by a means which tightens or shortens the strip.

(1) Note.—See this class, subclass 3.40, for removers having a strip-like member which is tightened about the closure or receptacle by manually gripping portions thereof; subclass 3.44, for removers having rigid members which move about a pivot to engage the receptacle or closure, and subclass 64 and indented subclasses, for flexible wrenches of general application.

(2) Note.—For similar grapples of general application, see class 294, HANDLING, HAND AND HOIST-LINE IMPLEMENTS, subclasses 33, 99 and 100.

3.44. Removers under subclass 3.40 having two or more receptacle engaging portions which are pivotally connected so that they move about said pivot to engage and disengage the receptacle or closure.

Note.—For pivoted jaw grapples of general application, see class 294, HANDLING, HAND AND HOIST LINE IMPLEMENTS, subclasses 28, 97, 104 and 106 and their indented subclasses.

3.45. Removers under subclass 3.34 including a screw member which pierces the closure.

(1) Search this class, subclasses 3.10, 3.33, 3.35, 3.37 and 3.38, for the organizations there provided for, including screw type removers.

(2) Note.—For wire working processes of making corkscrews, see class 140, WIRE-WORKING, subclass 86.

3.46. Removers under subclass 3.34 comprising means to remove either the closure or its fastener by prying it off, such as a levering member or a means to force a member between the closure and receptacle.

Search this class, subclass 3.30 and indented subclasses, for wall or surface mounted removers of levering type; and subclass 3.36 and indented subclasses, for levering type removers having a closure engaging part and additional means to engage the receptacle.

3.47. Removers under subclass 3.46 having a portion which impales the closure or is inserted in an opening therein or in a bale or equivalent part on the closure.

Note.—For impaling or inserting type removers having no levering means, see this class, subclasses 3.48 and 3.49.

3.48. Removers under subclass 3.34 including a portion which impales the closure or is inserted in an opening therein or in a bale or equivalent part on the closure.

(1) Search this class, subclass 3.47, for similar closure removers having a levering means combined therewith.

(2) Note.—For ice picks, see class 83, MILLS, subclass 62.

(3) Note.—For surgical puncturing means, see class 128, SURGERY, subclass 329.

(4) Note.—For spears of general use, see class 294, HANDLING, HAND AND HOIST LINE IMPLEMENTS, subclass 61.

3.49. Removers under subclass 3.48 having a part or parts projecting from the side of the impaling or inserting member or including an abutment or indentation in the side of said member, which abutment, indentation, part or parts act against the receptacle closure to assist removal.

The patents contained in these subclasses have been taken for the most part from class 65, Kitchen and Table Articles, subclasses 46–51, inclusive, class 81, Tools, subclasses 3.1, 3.2 and 3.3, and class 217, Wooden Receptacles, subclass 112, all abolished in this order.

In *class 217, Wooden Receptacles* (Division 40), abolish the following subclass with its definition:

Barrels
Bungs
112 Extractors.

The patents formerly contained in this subclass have been placed for the most part in class 81, Tools, subclasses 3.10 to 3.49, inclusive, established in this order.

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), subclass 259, number notes (2) and (3) as (3) and (4) and add:

(2) Note.—See class 81, TOOLS, particularly subclasses 3.31, 3.32 and 3.39, for apparatus for holding receptacles during removal of the closure.

In *class 29, Metal Working* (Division 29), subclass 86.1, in note (3) add:

81—TOOLS, subclasses 3.10 to 3.49, for receptacle closure removers, particularly stopper extractors.
120—STATIONERY, subclass 97, for pen extractors.

In *class 30, Cutlery* (Division 53), subclass 3, in note (3), cancel "subclass 14.2" and substitute *subclasses 14.2 and 14.25*; cancel notes (4) and (5) and substitute:

(4) Note.—For receptacle closure removers in general, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive;

and renumber note (0.5) as (5); in subclass 10 cancel note (2) and substitute:

(2) Note.—For receptacle clamping means per se, see class 81, TOOLS, subclasses 3.31, 3.32 and 3.39;

and in subclass 151 in note (3) add:

81—TOOLS, subclass 3.35, for sheathed receptacle closure removing tools.

In *class 42, Firearms* (Division 22), subclass 95, add the following note:

Note.—For stopper extracting tools, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

In *class 81, Tools* (Division 29), subclass 15.1, in note (1), cancel "3.1" and substitute *3.40*; in subclass 17 number the existing note (2) and add:

(1) Note.—See this class, subclasses 3.31, 3.32 and 3.39, for devices for holding receptacles while their closures are removed;

in subclass 53 cancel note (1) and substitute:

(1) Note.—For special tools for grasping and removing receptacle closures, see this class, subclasses 3.10 to 3.49, inclusive;

and in subclass 64 in note (1) cancel "subclass 3.1 and indented subclasses" and substitute *subclasses 3.40 and 3.43*.

In *class 86, Ammunition and Explosive-Charge Making* (Division 22), subclass 37, under "Search classes" add:

81—TOOLS, subclasses 3.10 to 3.49, inclusive.

In *class 140, Wire-working* (Division 14), subclass 86, under "Search classes" cancel the reference to class 65, Kitchen and Table Articles, and substitute:

81—TOOLS, subclass 3.45, for corkscrews wherein the method may be illustrated in the article.

In *class 145, Woodworking Tools* (Division 29), subclass 21, add the following notes:

(1) Note.—For receptacle closure removers in general, see class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

(2) Note.—For nail extractors per se, see class 254, PUSHING AND PULLING IMPLEMENTS, subclass 18 and indented subclasses;

and in subclass 53 under "Search classes" cancel the reference to class 65, Kitchen and Table Articles, and add:

81—TOOLS, subclasses 3.33, 3.37 and 3.45.

In *class 158, Liquid and Gaseous Fuel Burners* (Division 19), subclass 117.1 add the following note:

(4) Note.—For burner responsive thermal electric generators, see class 136, BATTERIES, subclass 4 and indented subclass.

In *class 194, Check-Controlled Apparatus* (Division 41), main class definition in note (1) add the following:

Class 81, TOOLS, subclass 3.10, for the combination of check-controlled devices and receptacle closure removers.

In *class 215, Bottles and Jars* (Division 58), subclass 46, cancel the existing note and substitute:

Note.—The line with class 81, TOOLS, is as follows: Class 81, TOOLS, in subclasses 3.10 to 3.49, inclusive, takes closure cap and/or cork removing tools per se. Class 215, in subclasses 46 and 55, takes such tools where permanently attached to the receptacle closure or where claimed in combination with a modified closure or receptacle;

in subclass 51 cancel the existing note and substitute:

Note.—For the line between this class and class 81, TOOLS, subclasses 3.10 to 3.49, inclusive, see the note following the definition of subclass 46 above;

in subclass 55 cancel the existing note and substitute:

Note.—For the line between this class and class 81, TOOLS, subclasses 3.10 to 3.49, inclusive, see the note following the definition of subclass 46 above;

and in subclass 100, in note (2), cancel "jar-lifters" and substitute *jar holders*; and cancel "subclass 3.1 and indented subclasses" and substitute *subclasses 3.10 to 3.49, inclusive.*

In *class 220, Metallic Receptacles* (Division 40), subclass 47, cancel note (6) and substitute:

(6) Note.—For tools per se which are capable of repeated use for removing closure caps and/or corks from receptacles, see class 7, COMPOUND TOOLS, subclasses 6.2, 14.25 and 14.6, and class 81, TOOLS, subclasses 3.10 to 3.49, inclusive.

In *class 226, Filling and Closing Portable Receptacles* (Division 35), subclass 87, note (2), change the reference to class 81, Tools, to read:

81—TOOLS, subclass 15.1;

and in subclass 88 add the following note:

Note.—For screw-closure removers, see class 81, TOOLS, subclasses 3.10 to 3.44, inclusive.

In *class 248, Supports* (Division 52), subclass 311, note (3), cancel "subclass 3.2 and indented subclass" and substitute *subclasses 3.31, 3.32 and 3.39.*

In *class 254, Pushing and Pulling Implements* (Division 61), subclass 1, in note (2) cancel the reference to class 65, Kitchen and Table Articles, and add:

81—TOOLS, subclasses 3.10 to 3.49, inclusive;

in subclass 100, note (2), cancel the reference to class 65, Kitchen and Table Articles, and substitute:

81—TOOLS, subclasses 3.33, 3.37 and 3.45;

and in subclass 131 in note (2) cancel the reference to classes 65, Kitchen and Table Articles, and 217, Wooden Receptacles, and substitute:

81—TOOLS, subclasses 3.37, 3.46 and 3.47.

In *class 294, Handling, Hand and Hoist Line Implements* (Division 4), main class definition, in note (4), in the reference to class 65, Kitchen and Table Articles, cancel "46 and 47"; and in the reference to class 81, Tools, cancel "3.1 and indented subclasses" and substitute *3.10 to 3.49, inclusive*; in subclass 61, note (2), cancel the reference to class 65, Kitchen and Table Articles, and substitute:

81—TOOLS, subclasses 3.47, 3.48 and 3.49, for impaling type receptacle closure removers;

in subclass 93, note (4), cancel the reference to class 65, Kitchen and Table Articles, and in the reference to class 81, Tools, add:

subclass 3.40 and indented subclasses;

and in subclass 99, note (2), in the reference to class 81, Tools, cancel "subclass 43" and substitute *subclasses 3.34, 3.41 and 43.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 20, 1942

[VOL. 534. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 448,143. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

ARROW

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Apr. 23, 1936.

Ser. No. 448,145. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

BOB WHITE

FOR COTTON BATTING OR COTTON BATTS.
Claims use since July 20, 1925.

Ser. No. 448,146. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

BOUNCER

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 1, 1913.

Ser. No. 448,147. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

CHINOOK

FOR COTTON BATTING OR COTTON BATTS.
Claims use since May 25, 1923.

Ser. No. 448,148. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

Colonial Maid

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 20, 1931.

Ser. No. 448,149. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

DIAMOND

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 15, 1912.

Ser. No. 448,150. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

FERN

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Oct. 30, 1935.

Ser. No. 448,153. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

LIBERTY

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 20, 1931.

Ser. No. 448,156. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

SLEEPYDOWN

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Aug. 15, 1932.

Ser. No. 448,158. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

STAR

FOR COTTON BATTING OR COTTON BATTS.
Claims use since June 10, 1939.

Ser. No. 448,159. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

TOPAZ

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 1, 1914.

Ser. No. 448,160. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

UNCLE SAM

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Jan. 1, 1907.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 447,987. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Oct. 21, 1941.

SILV-ALL

FOR SILVER POLISH.
Claims use since January, 1935.

Ser. No. 449,040. COSMATA, INC., Long Island City, N. Y. Filed Nov. 29, 1941.

COSMASUL

FOR SOAP.
Claims use since Oct. 21, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 437,878. THE PUMICITE COMPANY, St. Louis, Mo. Filed Nov. 14, 1940.

Pick-up

FOR DOG FOOD MINERALS.
Claims use since July 15, 1940.

Ser. No. 448,285. DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt. Filed Oct. 31, 1941.

Grange
POKE ROOT and SALT PETRE COMPOUND

No claim is made for the words "Poke Root and Salt Petre Compound" apart from the mark.
FOR COMPOSITION OF POKE ROOT AND SALT PETRE FOR USE IN THE TREATMENT OF NON-CONTAGIOUS GARGET IN DAIRY COWS.
Claims use since Nov. 15, 1935.

Ser. No. 448,784. CONSTANCE SPRY PERFUMERIES CORPORATION, New York, N. Y. Filed Nov. 21, 1941.

BLUE FLOWERS

FOR PERFUME.
Claims use since Oct. 21, 1941.

Ser. No. 448,792. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Nov. 21, 1941.

Dovasac

FOR ANALGESIC SEDATIVE TABLETS.
Claims use since Mar. 1, 1941.

Ser. No. 448,841. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va. Filed Nov. 22, 1941.

SYLPLAST

FOR PLASTICIZERS.
Claims use since Sept. 12, 1941.

Ser. No. 448,900. BUSH AROMATICS, INC., New York, N. Y. Filed Nov. 25, 1941.

INDECISION

FOR PERFUMES, AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES.
Claims use since Apr. 1, 1941.

Ser. No. 448,948. CLIFF C. OWEN, doing business as Owen Drug Products, Salisbury, N. C. Filed Nov. 26, 1941.

MEN-THO-SOTE

FOR PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS.
Claims use since 1938.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 448,306. CARL P. SOLLMANN, New York, N. Y. Filed Oct. 31, 1941.

Newtco MAPLYNE

FOR WOOD ASH TRAYS AND PIPE RACKS.
Claims use since November, 1940.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 439,917. AMERICAN MINERAL SPIRITS COMPANY, Chicago, Ill. Filed Jan. 24, 1941.

ROTOSOL

FOR MIXTURE OF LOW BOILING LIQUID HYDROCARBONS SUITABLE FOR USE IN ROTOGRAVURE INKS.
Claims use since Jan. 7, 1941.

Ser. No. 449,011. THE L. MARTIN COMPANY, INC., New York, N. Y. Filed Nov. 28, 1941.

RAVEN

FOR LAMPBLACK FOR USE AS AN INK PIGMENT.
Claims use since 1882.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 446,022. THE EN-TOUT-CAS COMPANY LIMITED, Leicester, England. Filed Aug. 6, 1941.

EN-TOUT-CAS

FOR BURNT CLAY USED IN THE CONSTRUCTION OF TENNIS COURTS.
Claims use since 1916.

Ser. No. 446,612. GEORGE W. BROMLEY, doing business as Bromley Siding Company, Columbus, Ohio. Filed Aug. 28, 1941.

BROMLEY'S
HONOR PLEDGE

Applicant disclaims the word "Bromley" apart from the mark.
FOR INSULATING BRICK, ASBESTOS SIDING, AND INSULATING BOARD OF WOOD, PAPER, OR CANE MATERIAL.
Claims use since Mar. 27, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 440,104. TABBY, LTD., New York, N. Y. Filed Jan. 29, 1941.

TABBY

FOR DETACHABLE ORNAMENT HOLDERS FOR SLIDE FASTENER TABS.
Claims use since June 11, 1940.

Ser. No. 448,406. JANET M. BALES, doing business as Ampco Manufacturing Company, Hollywood, Calif. Filed Nov. 5, 1941.

AMPCO

FOR FLUSH TANK SILENCER APPLICABLE TO THE HUSH TUBE OF A FLUSH TANK.
Claims use since Sept. 5, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 447,119. CONSUMERS OIL & BELTING COMPANY, INC., New York, N. Y. Filed Sept. 18, 1941.

TRI-MORE PENN

The word "Penn" is disclaimed apart from the mark.
FOR LUBRICATING OIL.
Claims use since Sept. 2, 1941.

Ser. No. 448,888. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



The drawing is lined for blue and red.
FOR GASOLINE.
Claims use since Sept. 5, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 449,012. THE L. MARTIN COMPANY, INC., New York, N. Y. Filed Nov. 28, 1941.

RAVEN

FOR LAMPBLACK FOR USE AS A PAINT PIGMENT.
Claims use since 1882.

Ser. No. 449,100. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 2, 1941.

BLACKHIDE

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.
Claims use since May 19, 1941.

Ser. No. 449,101. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 2, 1941.

HI-HIDE

FOR LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES.
Claims use since Oct. 29, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 448,324. P. LORILLARD COMPANY, New York, N. Y. Filed Nov. 1, 1941. Under 10-year proviso.

OLD
VIRGINIA CHEROOTS



FOR CHEROOTS.
Claims use since 1888.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 442,776. BENDIX AVIATION CORPORATION, South Bend, Ind. Filed Apr. 21, 1941.

HYDROVAC

FOR VEHICLE BRAKING UNITS INCORPORATING POWER BRAKES OF THE DIFFERENTIAL AIR PRESSURE TYPE, BRAKE CONTROL VALVES, DIFFERENTIAL AIR PRESSURE CYLINDERS, AND HYDRAULIC BRAKING UNITS INCORPORATING BOOSTERS OR ASSISTORS.
Claims use since Mar. 25, 1941.

Ser. No. 447,109. SCULLY SIGNAL COMPANY, Cambridge and East Cambridge, Mass. Filed Sept. 17, 1941.

PORCUPINE

FOR ANTI-SIPHONING THEFT GUARDS FOR PARTIALLY OBSTRUCTING VEHICLE TANK FILLER PIPES.
Claims use since Sept. 3, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 448,035. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 23, 1941.

ELECTRI • CRAFT

FOR HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC., AND BITS AND TOOLS FOR USE THEREWITH.
Claims use since Sept. 8, 1940.

Ser. No. 448,036. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 23, 1941.

ELECTR • O • TOOL

The word "Tool" is disclaimed apart from the mark.
FOR HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC., AND BITS AND TOOLS FOR USE THEREWITH.
Claims use since Sept. 8, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 445,510. SYLVESTER L. ST. JOHN, Mansfield, Mass. Filed July 19, 1941.

NANJER

FOR MACHINERY FOR DECORTICATING RAMIE AND OTHER FIBER BEARING MATERIALS SUCH AS HEMP, JUTE, FLAX, CAROJA, KENAF, KENDYR, BANANA TRUNKS, NUTS, AND COCOANUT HUSKS.
Claims use since Sept. 14, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 448,288. ENTECO CAMERA ACCESSORIES, New York, N. Y. Filed Oct. 31, 1941.

Enteco

FOR CAMERA ACCESSORIES—NAMELY, LENS SHADES, FILTER HOLDERS, LENS EXTENSION TUBES, FILTERS, LENS ADAPTORS, AND SCIENTIFIC APPLIANCES.
Claims use since Mar. 13, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 442,179. BERNARD RICE'S SONS, INC., doing business as Apollo Studios and Apollo Silver Company, New York, N. Y. Filed Apr. 1, 1941.

APOLLO

FOR STERLING SILVER WARE AND SILVER AND GOLD-PLATED HOLLOW-WARE, TABLE-WARE AND NOVELTIES, PARTICULARLY SILVER-PLATED CREAM PITCHERS, TEAPOTS, COFFEE POTS, LADLES, URNS, DISHES, PLATTERS, BOWLS, BOTTLE AND JAR HOLDERS, CRUETS, NAPKIN RINGS AND CLIPS, SILVER-PLATED CANDELABRAS, SILVER-PLATED ICE TUBS AND PAILS; SILVER-PLATED BEVERAGE ACCESSORIES, PARTICULARLY COCKTAIL SHAKERS, ICE TONGS, FLASKS, MIXERS, LADLES AND SPOONS, CRUETS, NAME PLATES FOR BOTTLES; SILVER-PLATED SILENT BUTLERS; SILVER AND GOLD-PLATED CIGARETTE BOXES, ASH TRAYS AND CIGARETTE HOLDERS; GOLD AND SILVER-PLATED CANDY DISHES; GOLD-PLATED COLOGNE AND PERFUME BOTTLES; GOLD-PLATED PERFUME AND DRESSER TRAYS; GOLD-PLATED DRESSER SETS, PARTICULARLY COMBS, BRUSHES, MIRRORS, AND POWDER BOXES; AND SIMILAR ARTICLES OF STERLING SILVER.
Claims use since 1913.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 443,360. SYDNEY GOLDFARB, doing business as Sydney Goldfarb & Co., Cincinnati, Ohio. Filed May 8, 1941.

FINEST QUALITY
GOLDTEX
RELIABLE SERVICE

All wording except "Goldtex" is disclaimed apart from the mark.
FOR PLAIN UNTREATED WIPING, POLISHING AND DUSTING CLOTHS.
Claims use since September, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 449,002. THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed Nov. 28, 1941.

DAVNO-COVER

No claim is made to the word "Cover" apart from the mark.
FOR TEXTILE SLIPCOVERS FOR UPHOLSTERED FURNITURE.
Claims use since Nov. 17, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 437,394. CHESTER L. WHITTEMORE, Boston, Mass. Filed Oct. 29, 1940.

AUTO-AID

FOR DETACHABLE SAFETY REFLECTORS TO PROTECT STANDING VEHICLES.
Claims use since Sept. 3, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 447,827. THE RYTEX COMPANY, Indianapolis, Ind. Filed Oct. 15, 1941.

RYTEX
CARD-O-GRAMS

The word "Card" is disclaimed apart from the mark.
FOR WRITING PAPER AND ENVELOPES.
Claims use since June 1, 1939.

Ser. No. 448,377. YAWMAN AND ERBE MANUFACTURING COMPANY, Rochester, N. Y. Filed Nov. 3, 1941.

ECONOTAB

FOR INDEX TABS OF THE CHARACTER USED ON FILE GUIDES, FOLDERS, AND LOOSELEAF BINDERS.
Claims use since May 18, 1936.

Ser. No. 448,774. WILSON JONES COMPANY, Chicago, Ill. Filed Nov. 19, 1941.

STOP AND GO

FOR LOOSE LEAF BINDERS.
Claims use since Nov. 3, 1940.

Ser. No. 448,910. KEITH PAPER COMPANY, Turners Falls, Mass. Filed Nov. 25, 1941.

OPM BOND

Applicant disclaims the word "Bond" apart from the mark.
FOR WRITING AND PRINTING PAPER.
Claims use since Nov. 8, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 443,323. DECORATORS WALL PAPER CO., St. Louis, Mo. Filed May 7, 1941.

TREASURE CHEST

FOR MERCHANDISE PREMIUM CATALOGUES ISSUED PERIODICALLY AND DISTRIBUTED TO AN ESTABLISHED MAILING LIST.
Claims use since January, 1936.

Ser. No. 448,806. STAG PUBLISHING CORPORATION, New York, N. Y. Filed Nov. 21, 1941.

Stag

FOR MAGAZINE.
Claims use since Nov. 15, 1941.

Ser. No. 448,835. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed Nov. 22, 1941.

She Walks in Beauty

FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Sept. 11, 1938.

Ser. No. 449,001. THE CHICAGO SUN, Chicago, Ill. Filed Nov. 28, 1941.

THE CHICAGO SUN

The word "Chicago" is disclaimed except as shown.
FOR NEWSPAPER.
Claims use since Nov. 25, 1941.

Ser. No. 449,196. VOLITANT PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 4, 1941.

STAG

FOR MAGAZINE PUBLICATION.
Claims use since Mar. 1, 1941.

CLASS 39

CLOTHING

Ser. No. 387,144. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Dec. 24, 1936.

KIROPEDIC

FOR BOOTS AND SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC AND COMBINATION THEREOF.
Claims use since June 12, 1935.

Ser. No. 411,947. DENT, ALLCROFT & CO. LIMITED, London, England. Filed Oct. 22, 1938. Under 10-year proviso.

DENT'S "D" GLOVES.

The word "Gloves" is disclaimed apart from the mark.
FOR GLOVES MADE OF LEATHER.
Claims use since Jan. 1, 1893.

Ser. No. 422,540. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Aug. 12, 1939.

Esco PROCESS

No claim is made to the word "Process" apart from the mark.
FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF SUCH MATERIALS.
Claims use since July 22, 1939.

Ser. No. 425,528. OWENS SHOE COMPANY, Salem, Mass. Filed Nov. 10, 1939.

oSCo

FOR MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, SUEDE, RUBBER, CANVAS, FELT, OR TEXTILE MATERIAL.
Claims use since Sept. 1, 1936.

Ser. No. 437,392. M. SLIFKA & SONS, New York, N. Y. Filed Oct. 29, 1940.

Ranchero

FOR BELTS FOR OUTER WEAR, SUSPENDERS, AND GARTERS.
Claims use since May 15, 1939.

Ser. No. 441,056. LOUIS E. MASSEY, Washington, D. C. Filed Feb. 27, 1941.



FOR SHOES MADE OF LEATHER AND FABRIC AND COMBINATION THEREOF.
Claims use since Aug. 15, 1937.

Ser. No. 442,295. WOLF & DESSAUER COMPANY, Fort Wayne, Ind. Filed Apr. 4, 1941.

WANDCRAFT

FOR MEN'S TOPCOATS, OVERCOATS, RAINCOATS, DRESS SUITS, TUXEDOS, SUITS, HATS, NECKTIES, SWEATERS, HOSE, LEATHER, WOOL, COTTON AND COMBINATIONS OF LEATHER, WOOL AND COTTON GLOVES, LEATHER SLIPPERS, LEATHER SHOES, SPORT SLACKS, SPORT COATS, LEATHER JACKETS AND WOOLEN JACKETS.
Claims use since Sept. 15, 1937.

Ser. No. 446,976. NORTHERN STRAW WORKS, INC., Philadelphia, Pa. Filed Sept. 11, 1941.

QUAKER



MAID

FOR LADIES' HATS.
Claims use since Aug. 20, 1941.

Ser. No. 447,227. COWDEN MANUFACTURING COMPANY, Kansas City, Mo. Filed Sept. 22, 1941.

SALUTE

FOR SHIRT AND TROUSER ENSEMBLES, OVERALLS, COVERALLS, DUNGAREES, PANTS, COATS, JUMPERS, APRONS, CAPS, JACKETS, PLAY SUITS, SMOCKS, AND WASH SUITS FOR MEN, WOMEN AND CHILDREN.
Claims use since Mar. 12, 1941.

Ser. No. 447,414. ADAM HAT STORES, INC., New York, N. Y. Filed Sept. 30, 1941.

FIGHT-HAT

No claim is made to the word "Hat" apart from the mark.
FOR MEN'S HATS.
Claims use since Oct. 15, 1940.

Ser. No. 447,415. ADAM HAT STORES, INC., New York, N. Y. Filed Sept. 30, 1941.

"FIGHTER"

FOR MEN'S HATS.
Claims use since Jan. 2, 1941.

Ser. No. 447,417. ADAM HAT STORES, INC., New York, N. Y. Filed Sept. 30, 1941.

PRIZE RING

FOR MEN'S HATS.
Claims use since Nov. 1, 1938.

Ser. No. 447,605. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Oct. 8, 1941.

newbrooke

FOR WOMEN'S AND MISSES' BLOUSES, SWEATERS, DRESSES, OUTER SKIRTS, JACKETS, HATS, AND COATS.
Claims use since May 11, 1940.

Ser. No. 447,630. CONBRO PRODUCTS CO., New York, N. Y. Filed Oct. 9, 1941.



The drawing is lined for blue and red. No claim is made to the picture of the hair net nor to the phrase "Silk Hair Net". The portrait is that of Hilda Cohen.
FOR HAIR NETS.
Claims use since June 9, 1941.

Ser. No. 448,064. SHOECRAFT, INC., New York, N. Y. Filed Oct. 23, 1941.

TALL GALS!

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC AND/OR COMBINATIONS OF THOSE MATERIALS.
Claims use since July 13, 1941.

Ser. No. 448,095. A. DE PINNA CO., INC., New York, N. Y. Filed Oct. 25, 1941.



Applicant owns Reg. No. 151,736, "De Pinna", under 10-years' use proviso of act of February 20, 1905.
FOR GIRLS' AND CHILDREN'S DRESSES, HATS, OUTERSKIRTS, LEATHER SHOES, PLAYSUITS, COATS, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, AND SWEATERS.
Claims use since July 1, 1940.

Ser. No. 448,183. THE CHESAPEAKE SHOE MFG. CO., Baltimore, Md. Filed Oct. 28, 1941.



Applicant disclaims the phrase "The Shoe That Wears" apart from the rest of the mark.
FOR CHILDREN'S, MISSES', AND GIRLS', SHOES OF LEATHER AND/OR CLOTH.
Claims use since July 1, 1941.

Ser. No. 448,480. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1941.

HAND SPATS

FOR MITTS FOR MECHANICAL WORKERS.
Claims use since Sept. 28, 1941.

Ser. No. 448,514. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Nov. 10, 1941.

NYLTWILL

FOR MEN'S NECKTIES AND MUFFLERS.
Claims use since Nov. 3, 1941.

Ser. No. 448,614. HUT NECKWEAR CO. INC., New York, N. Y. Filed Nov. 13, 1941.

NYLTOWNE

FOR NECKTIES AND CRAVATS.
Claims use since Oct. 29, 1941.

Ser. No. 448,664. UTICA KNITTING COMPANY, Utica, N. Y. Filed Nov. 14, 1941.

RONDAX

FOR KNITTED OUTER JACKETS MADE OF WOOL, COTTON, RAYON AND OTHER FIBERS FOR MEN, BOYS, WOMEN, AND CHILDREN.
Claims use since 1924.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 448,287. DIADEM, INC., Leominster, Mass. Filed Oct. 31, 1941.

"FASTENETTE"

FOR COMBINED COMB AND PIN FOR SECURING HATS, BOWS, RIBBONS, FLOWERS, AND OTHER HAIR ORNAMENTS.
Claims use since Sept. 15, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 448,215. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Oct. 29, 1941.

GAMUT

FOR COTTON AND RAYON PIECE GOODS.
Claims use since Sept. 18, 1941.

Ser. No. 448,226. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 29, 1941.



The words "African Prints" are disclaimed apart from the mark.
FOR COTTON, RAYON, ACETATE, SPUN RAYON AND/OR SILK PIECE GOODS AND COMBINATION THEREOF.
Claims use since Oct. 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 448,872. ORANGE-CRUSH COMPANY, Chicago, Ill. Filed Nov. 24, 1941.



FOR NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME.
Claims use since May 13, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 428,082. MINER, READ & TULLOCK, INC., New Haven, Conn. Filed Jan. 31, 1940. Under 10-year proviso.

DUDLEY

FOR CANNED VEGETABLES—NAMELY, CANNED PUMPKIN.
Claims use since 1870.

Ser. No. 442,562. PET MILK COMPANY, St. Louis, Mo. Filed Apr. 14, 1941.

PET

Applicant is owner of Reg. Nos. 88,285 and 335,786.
FOR WHOLE MILK POWDER.
Claims use since Mar. 15, 1941.

Ser. No. 447,529. NICOLA GRILLO, Brooklyn, N. Y. Filed Oct. 3, 1941.



The picture is fanciful.
FOR BLEND OF VEGETABLE OIL AND OLIVE OILS USED FOR COOKING PURPOSES.
Claims use since Sept. 3, 1941.

Ser. No. 447,613. M & R DIETETIC LABORATORIES, INC., doing business as the Ten-B-Low Company, Columbus, Ohio. Filed Oct. 8, 1941.



Applicant is the owner of T. M. Reg. Nos. 371,247 and 372,844, dated Nov. 14, 1939.
FOR CONDENSED MILK PREPARATION FOR USE IN MAKING ICE CREAM AND FROZEN DESSERTS.
Claims use since Mar. 12, 1941.

Ser. No. 448,077. DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed Oct. 24, 1941. Under section 5b of the act of 1905, as amended in 1920.

MOTT'S

FOR WHITE DISTILLED VINEGAR, JELLY AND MARMALADE.
Claims use to white distilled vinegar since 1914; and to jelly and marmalade since 1936.

Ser. No. 448,195. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 28, 1941.

245

FOR FROZEN CONFECTIONS.
Claims use since Oct. 15, 1941.

Ser. No. 448,525. ROGOL DISTRIBUTORS, INC., Brooklyn, N. Y. Filed Nov. 10, 1941.

Rogola

FOR COMBINATION OF CORN OIL AND PEANUT OIL BLENDED WITH OLIVE OIL FOR USE IN SALAD DRESSINGS OR FOR OTHER FOOD PURPOSES.
Claims use since Oct. 15, 1941.

Ser. No. 448,917. MUCKLAND CELERY COMPANY, Sarasota, Fla. Filed Nov. 25, 1941.

COCK O' the LAND

FOR CELERY.
Claims use since Nov. 18, 1941.

Ser. No. 448,955. SARDAMACK FISHERIES, INC., Wilmington, Calif. Filed Nov. 26, 1941.

SWEEPSTAKES

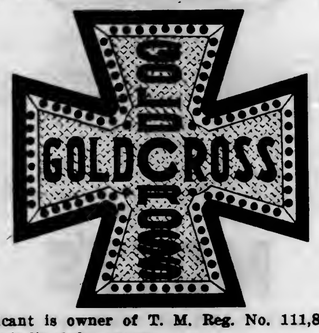
FOR CANNED FISH.
Claims use since Nov. 17, 1941.

Ser. No. 448,956. SARDAMACK FISHERIES, INC., Wilmington, Calif. Filed Nov. 26, 1941.

TOP WAVE

FOR CANNED FISH.
Claims use since Nov. 17, 1941.

Ser. No. 449,015. MONTANA FLOUR MILLS COMPANY, Great Falls, Mont. Filed Nov. 28, 1941.



Applicant is owner of T. M. Reg. No. 111,898. The drawing is lined for orange.
FOR WHEAT FLOUR.
Claims use since May 23, 1913.

Ser. No. 449,209. NEWARK CHEESE CO., INC., New York, N. Y. Filed Dec. 5, 1941.

Spreese

FOR CHEESE SPREAD.
Claims use since Nov. 28, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 448,683. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla. Filed Nov. 15, 1941.

BAR NONE

FOR DISTILLED ALCOHOLIC LIQUORS, AND MORE PARTICULARLY RUM.
Claims use since January, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 442,163. GOLDSMITH BROS., New York, N. Y. Filed Apr. 1, 1941.

Artrite

FOR CANVAS PANELS AND ROLL CANVAS.
Claims use since May 11, 1940.

Ser. No. 447,712. RHODES PLASTIC PRODUCTS INC., New York, N. Y. Filed Oct. 11, 1941.

Hang-It-All

THE HANGER
THAT IS EQUAL
TO A WARDROBE!

The wording "The Hanger That is Equal to a Wardrobe" is disclaimed apart from the mark.
FOR GARMENT HANGERS.
Claims use since Sept. 4, 1941.

Ser. No. 448,218. CLARENCE E. CLEVELAND, Reading, Vt. Filed Oct. 29, 1941.

HANDYAID

FOR FRICTION PAD FOR USE IN TIGHTENING OR LOOSENING PARTS THREADED OR OTHERWISE FRICTIONALLY HELD TOGETHER.
Claims use since Oct. 18, 1941.

Ser. No. 448,305. CARL P. SOLLMANN, New York, N. Y. Filed Oct. 31, 1941.

Newtco MAPLYNE

FOR WOODEN COASTER SETS.
Claims use since November, 1940.

Ser. No. 448,625. STEDFAST RUBBER COMPANY, INC., Mattapan, Mass. Filed Nov. 31, 1941.

PLASTIKAF

FOR ARTIFICIAL LEATHER.
Claims use since May, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 20, 1942

392,892. KRAFT PAPER, NEWSPRINT PAPER, HALFTONE PAPER, DRAWING PAPER, CATALOG AND DIRECTORY PAPER, ETC. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis, Minn., assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn., a corporation of Minnesota.
Filed February 27, 1939. Serial No. 416,471. PUBLISHED MAY 16, 1939. Class 37.

392,893. FLOUR MADE FROM WHEAT, PANCAKE FLOUR, BUCKWHEAT PANCAKE FLOUR, WHEAT BRAN, ETC. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed June 26, 1939. Serial No. 420,967. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,894. FLOUR MADE FROM WHEAT INCLUDING BAKERY FLOUR, FAMILY FLOUR, CAKE FLOUR, WHOLE WHEAT FLOUR, ETC. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed June 26, 1939. Serial No. 420,968. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,895. POLYMERIZED STYRENE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed January 26, 1940. Serial No. 427,887. PUBLISHED APRIL 2, 1940. Class 1.

392,896. TIMERS, THERMOSTATIC HOT WATER CONTROLS, AND DRAFT CONTROLS FOR APPLICATION TO HEATING CONTROL, USABLE AS A UNIT TOGETHER UNDER CONTROL OF THE THERMOSTAT AND THE THERMOSTATIC HOT WATER CONTROL. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo.
Filed June 3, 1940. Serial No. 432,626. PUBLISHED NOVEMBER 11, 1941. Class 26.

392,897. PEANUT OIL. AMERICAN EDIBLE OIL CO. INC., Brooklyn, N. Y.
Filed July 20, 1940. Serial No. 434,166. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,898. WHEAT GERM. ATKINSON MILLING COMPANY, doing business as Cor-O-Wheat Company, Minneapolis, Minn., assignor to The Cream of Wheat Corporation, Minneapolis, Minn., a corporation of Delaware.
Filed July 25, 1940. Serial No. 434,305. PUBLISHED AUGUST 12, 1941. Class 46.

392,899. SELENIUM PHOTOCELLS. INTERNATIONAL TELEPHONE DEVELOPMENT CO. INC., New York, N. Y.
Filed August 24, 1940. Serial No. 435,360. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,900. PLASTIC SEALING COMPOUND FOR SEALING CABLES, DUCTS, CONDUITS, AND THE LIKE. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed October 26, 1940. Serial No. 437,312. PUBLISHED NOVEMBER 11, 1941. Class 12.

392,901. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,381. PUBLISHED NOVEMBER 11, 1941. Class 11.

392,902. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, TROUSERS, AND TOP COATS AND OVERCOATS. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,809. PUBLISHED FEBRUARY 4, 1941. Class 39.

392,903. BAGS, AND BELT AND HANDBAG COMBINATIONS, FOR WEAR BY LADIES. GARAY & CO., INC., New York, N. Y.
Filed January 10, 1941. Serial No. 439,540. PUBLISHED NOVEMBER 11, 1941. Class 3.

392,904. BAGS, AND BELT AND HANDBAG COMBINATIONS, FOR WEAR BY LADIES. GARAY & CO., INC., New York, N. Y.
Filed January 10, 1941. Serial No. 439,541. PUBLISHED NOVEMBER 11, 1941. Class 3.

392,905. GREEN COFFEE IN BULK. LEON ISRAEL & BROS. INC., New York, N. Y.
Filed January 17, 1941. Serial No. 439,754. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,906. FILE FOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 8, 1941. Serial No. 441,368. PUBLISHED NOVEMBER 11, 1941. Class 37.

392,907. WHISKY. GEORGE BALLANTINE & SON, LIMITED, Dumbarton, Scotland.
Filed March 17, 1941. Serial No. 441,599. PUBLISHED NOVEMBER 4, 1941. Class 49.

392,908. WINES AND VERMOUTH. PETERS HERMANOS, COMPAÑIA COMMERCIAL E INDUSTRIAL S. A., Buenos Aires, Argentina.
Filed March 19, 1941. Serial No. 441,709. PUBLISHED OCTOBER 21, 1941. Class 47.

392,909. ALCOHOLIC BITTERS, ALCOHOLIC APERITIVES, LIQUEURS, AND BITTERS FOR FLAVORING ALCOHOLIC BEVERAGES. PETERS HERMANOS, COMPAÑIA COMMERCIAL E INDUSTRIAL S. A., Buenos Aires, Argentina.
Filed March 19, 1941. Serial No. 441,710. PUBLISHED OCTOBER 21, 1941. Class 49.

392,910. TABLE SALT. INTERNATIONAL SALT COMPANY, INC., Scranton, Pa.
Filed March 21, 1941. Serial No. 441,770. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,911. PAINTS—VIZ, WATER PAINTS IN DRY POWDER FORM. WESCO WATERPAINTS, INC., Berkeley, Calif.
Filed March 24, 1941. Serial No. 441,892. PUBLISHED NOVEMBER 11, 1941. Class 16.

392,912. SIZE AND ADHESIVE FOR WALL COVERINGS IN PASTE FORM. WESCO WATERPAINTS, INC., Berkeley, Calif.
Filed March 24, 1941. Serial No. 441,896. PUBLISHED NOVEMBER 11, 1941. Class 5.

392,913. PLASTIC OIL RESISTING SEALING COMPOUND. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed March 29, 1941. Serial No. 442,068. PUBLISHED NOVEMBER 11, 1941. Class 12.

392,914. CHAMPAGNE WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 9, 1941. Serial No. 442,434. PUBLISHED OCTOBER 21, 1941. Class 47.

392,915. VERMOUTH WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 9, 1941. Serial No. 442,435. PUBLISHED OCTOBER 21, 1941. Class 47.

392,916. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 9, 1941. Serial No. 442,436. PUBLISHED OCTOBER 21, 1941. Class 47.

392,917. VERMOUTH WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 9, 1941. Serial No. 442,437. PUBLISHED OCTOBER 21, 1941. Class 47.

392,918. RAZOR BLADES. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed April 29, 1941. Serial No. 443,097. PUBLISHED NOVEMBER 11, 1941. Class 23.

392,919. WHISKEY. SIMPSON & BARKER, INC., St. Louis, Mo.
Filed May 1, 1941. Serial No. 443,173. PUBLISHED OCTOBER 21, 1941. Class 49.

392,920. DECORATIVE COATED PAPER EMPLOYED AS SURFACING MEDIA. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio.
Filed May 15, 1941. Serial No. 443,599. PUBLISHED NOVEMBER 11, 1941. Class 37.

392,921. FRESH LETTUCE, CARROTS, AND CABBAGE. GEORGE G. AVERILL, doing business as Geo. G. Averill, San Pedro and Holtville, Calif.
Filed May 31, 1941. Serial No. 444,064. PUBLISHED AUGUST 12, 1941. Class 46.

392,922. WINES. DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y.
Filed June 4, 1941. Serial No. 444,177. PUBLISHED OCTOBER 21, 1941. Class 47.

392,923. PHOTOGRAPHS AND PHOTOGRAPHIC PRINTS. MURRAY KORMAN, New York, N. Y.
Filed June 9, 1941. Serial No. 444,342. PUBLISHED NOVEMBER 4, 1941. Class 38.

392,924. SWIMMING GOGGLES. WELSH MANUFACTURING COMPANY, Providence, R. I.
Filed June 9, 1941. Serial No. 444,366. PUBLISHED NOVEMBER 11, 1941. Class 26.

392,925. PHONOGRAPH NEEDLES. RECOTON CORPORATION, Long Island City, N. Y.
Filed June 19, 1941. Serial No. 444,684. PUBLISHED NOVEMBER 11, 1941. Class 36.

392,926. COMIC PUBLICATION APPEARING MONTHLY. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed June 21, 1941. Serial No. 444,744. PUBLISHED OCTOBER 28, 1941. Class 38.

392,927. SPECIALLY FINISHED LITHOGRAPHED SHEETS, CARDBOARD AND PAPERS IN SHEET AND ROLL FORM. STECHER-TRAUNG LITHOGRAPH CORPORATION, Rochester, N. Y.
Filed June 27, 1941. Serial No. 444,918. PUBLISHED NOVEMBER 11, 1941. Class 37.

392,928. CANNED FRUITS AND VEGETABLES. JOHN D. RICH, Chicago and Saunemin, Ill.
Filed June 30, 1941. Serial No. 444,979. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,929. ELECTRIC VACUUM CLEANERS. WINTHROP'S VACUUM CLEANER CORP., Paterson, N. J.
Filed July 1, 1941. Serial No. 445,000. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,930. LAUNDRY WASHING MACHINES. THE DEXTER COMPANY, Fairfield, Iowa.
Filed July 2, 1941. Serial No. 445,007. PUBLISHED OCTOBER 28, 1941. Class 24.

392,931. PAINTS IN READY-MIXED FORM AND PAINT ENAMELS. H. KIRK WHITE AND COMPANY, Oconomowoc, Wis.
Filed July 3, 1941. Serial No. 445,075. PUBLISHED NOVEMBER 11, 1941. Class 16.

392,932. FLUORESCENT ELECTRIC AND INCANDESCENT DESK LAMPS. CARROLL J. ROGERS, doing business as Midwest Naturlite Company, Chicago, Ill.
Filed July 7, 1941. Serial No. 445,158. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,933. EMULSIFYING AND DEGREASING SOLVENTS. AMERICAN COLLOID CORPORATION, New York, N. Y.
Filed July 9, 1941. Serial No. 445,191. PUBLISHED SEPTEMBER 30, 1941. Class 4.

392,934. WOVEN BED BLANKETS MADE OF WOOL, RAYON, AND COTTON. THE ESMOND MILLS, INC., Esmond, R. I.
Filed July 11, 1941. Serial No. 445,264. PUBLISHED NOVEMBER 11, 1941. Class 42.

392,935. VEGETABLE SEEDS FOR PLANTING. ABBOTT & COBB, Philadelphia, Pa.
Filed July 15, 1941. Serial No. 445,350. PUBLISHED NOVEMBER 11, 1941. Class 1.

392,936. COMBINATION TRAY, NON-AUTOMATIC PLAYING CARD DISPENSER AND BOX FOR HOLDING PLAYING CARDS MADE OF BASE METAL, WOOD, OR PLASTIC MATERIAL. SYRACUSE ORNAMENTAL CO., Syracuse, N. Y.
Filed July 18, 1941. Serial No. 445,481. PUBLISHED NOVEMBER 11, 1941. Class 2.

392,937. SOLDER. HAROLD R. WILLIAMS, doing business as Fusion Engineering, Cleveland, Ohio.
Filed July 19, 1941. Serial No. 445,514. PUBLISHED NOVEMBER 11, 1941. Class 14.

392,938. WINES—NAMELY, SAUTERNE, SHERRY, PALE DRY SHERRY, BURGUNDY, SWEET CATAWBA, ETC. MEIER'S WINE CELLARS INC., Silverton, Ohio.
Filed July 21, 1941. Serial No. 445,527. PUBLISHED NOVEMBER 4, 1941. Class 47.

392,939. GASOLINE, LUBRICATING OILS AND GREASES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed July 23, 1941. Serial No. 445,589. PUBLISHED NOVEMBER 11, 1941. Class 15.

392,940. TREATED POLES FOR THE SUPPORT OF POWER LINES AND COMMUNICATION LINES. PAGE & HILL CO., Minneapolis, Minn.
Filed July 24, 1941. Serial No. 445,614. PUBLISHED NOVEMBER 11, 1941. Class 12.

392,941. WOODEN SHOE LASTS. LAST RESTYLING COMPANY, INC., Stoughton, Mass.
Filed July 26, 1941. Serial No. 445,658. PUBLISHED NOVEMBER 11, 1941. Class 50.

392,942. POULTRY EQUIPMENT—NAMELY, BATTERY BROODERS, LAYING CAGES, AND LAYING NESTS. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis.
Filed July 28, 1941. Serial No. 445,693. PUBLISHED NOVEMBER 11, 1941. Class 50.

392,943. WINES. LODI WINERY, INC., Lodi, Calif.
Filed August 1, 1941. Serial No. 445,850. PUBLISHED OCTOBER 28, 1941. Class 47.

392,944. HOUSE PUBLICATION. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed August 1, 1941. Serial No. 445,855. PUBLISHED NOVEMBER 4, 1941. Class 38.

392,945. WINES IN GENERAL. BENEGAS HERMANOS Y COMPAÑIA LIMITADA SOCIEDAD ANÓNIMA INDUSTRIAL Y COMERCIAL, Buenos Aires, Argentina.
Filed August 4, 1941. Serial No. 445,915. PUBLISHED OCTOBER 21, 1941. Class 47.

392,946. CANNED CITRUS FRUIT JUICES. NORRIS AND ALEXANDER, INC., Deland, Fla.
Filed Aug. 4, 1941. Serial No. 445,954. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,947. RUM. ANGEL P. JULIÁ, doing business as Cia Licorera Julia, Santurce, P. R.
Filed August 5, 1941. Serial No. 445,989. PUBLISHED OCTOBER 21, 1941. Class 49.

392,948. ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio.
Filed August 9, 1941. Serial No. 446,105. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,949. REEDS AND MOUTHPIECES FOR MUSICAL INSTRUMENTS, CLARINET, SAXOPHONE, AND LIKE INSTRUMENTS AND ACCESSORIES. MARIO MACCAFERRI, New York, N. Y.
Filed August 12, 1941. Serial No. 446,168. PUBLISHED NOVEMBER 11, 1941. Class 36.

392,950. WHEAT FLOUR. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y.
Filed August 12, 1941. Serial No. 446,187. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,951. MOPS. COOPER CORPORATION, North Hollywood, Calif.
Filed August 13, 1941. Serial No. 446,191. PUBLISHED NOVEMBER 11, 1941. Class 29.

392,952. INTERNAL COMBUSTION ENGINES, AIR OR GAS COMPRESSORS, AND PARTS THEREOF. LE ROI COMPANY, West Allis, Wis.
Filed August 15, 1941. Serial No. 446,275. PUBLISHED NOVEMBER 11, 1941. Class 23.

392,953. GAUGE FOR DETERMINING THE WATER CONTENT IN A TANK OR CONTAINER OF GASOLINE. JOHNSON GAUGE COMPANY, Chicago, Ill.
Filed August 18, 1941. Serial No. 446,324. PUBLISHED NOVEMBER 11, 1941. Class 26.

392,954. PIECE GOODS COMPOSED WHOLLY OR IN PART OF SILK, WOOL, HAIR, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBER, ALOE FIBER, VEGETABLE FIBER, OR MIXTURES THEREOF. BIANCHINI, FÉRIER, INC., New York, N. Y.
Filed August 20, 1941. Serial No. 446,382. PUBLISHED NOVEMBER 11, 1941. Class 42.

392,955. NON-ALCOHOLIC, MALTLESS CARBONATED BEVERAGES. DRINK MOR BEVERAGE COMPANY, Wilkes-Barre, Pa.
Filed August 21, 1941. Serial No. 446,419. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,956. NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGES. DRINK MOR BEVERAGE COMPANY, Wilkes-Barre, Pa.
Filed August 21, 1941. Serial No. 446,420. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,957. CANNED DOG FOOD. GENERAL LABORATORIES, INC., doing business as Banner Packing Co., Des Moines, Iowa.
Filed August 21, 1941. Serial No. 446,424. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,958. ELECTRICAL ROASTING, BROILING, COOKING, AND BAKING APPLIANCES. NATIONAL ENAMELING & STAMPING COMPANY, Milwaukee, Wis.
Filed August 21, 1941. Serial No. 446,436. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,959. FRESH FRUITS—NAMELY, FRESH GRAPES. NORRIS ANDREWS, Exeter, Calif.
Filed August 23, 1941. Serial No. 446,480. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,960. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif.
Filed August 27, 1941. Serial No. 446,596. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,961. RUM. STUART LLOYDS, LTD., Philadelphia, Pa., and St. Thomas, Virgin Islands.
Filed August 27, 1941. Serial No. 446,601. PUBLISHED OCTOBER 28, 1941. Class 49.

392,962. NON-INTOXICATING, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS USED IN THE PREPARATION OF SAME. I. B. C. ROOT BEER COMPANY, St. Louis, Mo.
Filed August 29, 1941. Serial No. 446,656. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,963. BRANDY. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed August 30, 1941. Serial No. 446,686. PUBLISHED OCTOBER 28, 1941. Class 49.

392,964. LIQUEURS. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed September 2, 1941. Serial No. 446,717. PUBLISHED OCTOBER 28, 1941. Class 49.

392,965. ICE SKATES, ROLLER SKATES, SLEDS FOR JUVENILES, WAGONS FOR JUVENILES, SCOOTERS, TENNIS RACKETS, BADMINTON RACKETS, AND CROQUET SETS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed August 28, 1941. Serial No. 446,606. PUBLISHED NOVEMBER 11, 1941. Class 22.

392,966. LIQUEURS. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed September 2, 1941. Serial No. 446,719. PUBLISHED OCTOBER 28, 1941. Class 49.

392,967. COMPOUND OR PREPARATION FOR CLEANING, POLISHING, AND PRESERVING BANK VAULT METAL. DAVID FELDMAN, doing business as General Vault Products Company, Cincinnati, Ohio.
Filed September 2, 1941. Serial No. 446,734. PUBLISHED NOVEMBER 11, 1941. Class 4.

392,968. COMPOUND OR PREPARATION FOR CLEANING, POLISHING, AND PRESERVING BANK VAULT METAL. DAVID FELDMAN, doing business as General Vault Products Company, Cincinnati, Ohio.
Filed September 2, 1941. Serial No. 446,735. PUBLISHED NOVEMBER 11, 1941. Class 4.

392,969. CLEANING COMPOUND IN THE FORM OF SOAP CAKE. QUIGLEY COMPANY, INC., New York, N. Y.
Filed September 4, 1941. Serial No. 446,782. PUBLISHED NOVEMBER 11, 1941. Class 4.

392,970. SOAPS. NATIONAL BY-PRODUCTS, INC., doing business as National Soap and Refining Co., Des Moines, Iowa.
Filed September 6, 1941. Serial No. 446,842. PUBLISHED NOVEMBER 11, 1941. Class 4.

392,971. CARPET SWEEPER. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed September 8, 1941. Serial No. 446,857. PUBLISHED NOVEMBER 11, 1941. Class 23.

392,972. PEANUT BUTTER. CRESCENT NUT & CHOCOLATE CO., Philadelphia, Pa.
Filed September 8, 1941. Serial No. 446,864. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,973. PREPARED MUSTARD. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio.
Filed September 9, 1941. Serial No. 446,913. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,974. FRESH CITRUS FRUIT. VENTURA PACIFIC CO., Montalvo, Calif.
Filed September 9, 1941. Serial No. 446,932. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,975. CARBONATED BEVERAGES SOLD AS SOFT DRINKS. ANSEL P. BERRY, doing business as Farr Company, Fort Lauderdale, Fla.
Filed September 11, 1941. Serial No. 446,961. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,976. SELF VULCANIZING TIRE TUBE PATCHES. INTERNATIONAL DISTRIBUTORS, Memphis, Tenn.
Filed September 11, 1941. Serial No. 446,969. PUBLISHED NOVEMBER 11, 1941. Class 35.

392,977. BEDROOM FURNITURE—NAMELY, DRESSERS, CHESTS, VANITIES, BEDS, CHESTS ON CHESTS, CHEST DESKS, CHEST ROBES, HIGH BOYS, LOW BOYS, NIGHT TABLES, CHAIRS, STOOLS, AND BENCHES. CHAUTAUQUA CABINET COMPANY, doing business as Kling Factories, Maryville, N. Y.
Filed September 12, 1941. Serial No. 446,988. PUBLISHED NOVEMBER 11, 1941. Class 32.

392,978. ELECTRIC INCANDESCENT LAMPS. SAVE ELECTRIC CORPORATION, Toledo, Ohio.
Filed September 12, 1941. Serial No. 447,004. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,979. CASINGS AND SHIELDS MADE OF MOLDED COMPOSITION COMPRISING PULVERIZED WOOD WITH A BINDER AND FORMING PART OR PARTS OF SIGNALING APPARATUS. EDWARDS AND COMPANY, INC., Norwalk, Conn.
Filed September 15, 1941. Serial No. 447,043. PUBLISHED NOVEMBER 11, 1941. Class 21.

392,980. TRANSFER PUMPS, HOMOGENIZERS, GRINDERS, DISINTEGRATORS, EMULSORS, AND PARTS THEREOF. MARCO COMPANY, INC., Philadelphia, Pa.
Filed September 15, 1941. Serial No. 447,045. PUBLISHED NOVEMBER 11, 1941. Class 23.

392,981. SOFT DRINKS. JOHN S. STIRE, Abita Springs, La.
Filed September 16, 1941. Serial No. 447,080. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,982. SOFT DRINKS. JOHN S. STIRE, Abita Springs, La.
Filed September 16, 1941. Serial No. 447,081. PUBLISHED NOVEMBER 11, 1941. Class 45.

392,983. LIGHT-SENSITIVE FILMS AND PAPERS FOR PHOTOCOPYING PURPOSES AND PRINTS MADE BY MEANS THEREOF. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed September 17, 1941. Serial No. 447,101. PUBLISHED NOVEMBER 11, 1941. Class 26.

392,984. FRESH FRUITS—NAMELY, FRESH GRAPES. EXETER FRUIT ASSOCIATION, Exeter, Calif.
Filed September 20, 1941. Serial No. 447,202. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,985. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 20, 1941. Serial No. 447,204. PUBLISHED NOVEMBER 11, 1941. Class 42.

392,986. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 20, 1941. Serial No. 447,205. PUBLISHED NOVEMBER 11, 1941. Class 42.

392,987. CANNED FRUITS AND VEGETABLES. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Company, San Francisco, Calif.
Filed September 22, 1941. Serial No. 447,255. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,988. OLIVE OIL, SANDWICH SPREAD, SALAD DRESSING INCLUDING MAYONNAISE, THOUSAND ISLAND DRESSING AND FRENCH DRESSING AND PRUNE JUICE. W. F. STRAUB & COMPANY, Chicago, Ill.
Filed September 22, 1941. Serial No. 447,257. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,989. GLUCOSE. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed September 25, 1941. Serial No. 447,316. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,990. DOG FOOD. CENTRAL SOYA COMPANY, INC., doing business as the McMillen Feed Mills, Fort Wayne, Ind.
Filed September 26, 1941. Serial No. 447,321. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,991. FRESH DECIDUOUS FRUITS—NAMELY, PEARS. H. H. TITCOMB, Concord, Calif.
Filed September 26, 1941. Serial No. 447,349. PUBLISHED NOVEMBER 11, 1941. Class 46.

392,992. PNEUMATIC TIRE CASINGS COMPOSED OF FABRIC AND RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 27, 1941. Serial No. 447,373. PUBLISHED NOVEMBER 11, 1941. Class 35.

392,993. FISH LURE. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed September 29, 1941. Serial No. 447,451. PUBLISHED NOVEMBER 11, 1941. Class 22.

392,994. FISH BAITS. MILLSITE STEEL & WIRE WORKS, INC., Howell, Mich.
Filed October 1, 1941. Serial No. 447,466. PUBLISHED NOVEMBER 11, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

392,995. (CLASS 2. RECEPTACLES.) WALTHAM BAG & PAPER COMPANY, Waltham, Mass. Filed Sept. 22, 1939. Serial No. 423,867.

Grip-Sac

FOR PAPER BAGS AND PAPER BOXES.
Claims use since July 25, 1939.

392,996. (CLASS 2. RECEPTACLES.) CHARLES SEIDEL, doing business as Floral Water Pick Company, Milwaukee, Wis. Filed Apr. 20, 1940. Serial No. 431,024.

Floral WATER-PICKS TRADE MARK

FOR RECEPTACLE FOR FLOWERS.
Claims use since June 1, 1939.

392,997. (CLASS 38. PRINTS AND PUBLICATIONS.) WALTER C. CROSS AND DELAVAN COWLES, Portsmouth, Va. Filed May 7, 1940. Serial No. 431,647.

Furniture Reproductions
from
Historic
James River
Plantations
The Birthplace of American Colonial Homes

FOR BOOKLETS AND PAMPHLETS PUBLISHED FROM TIME TO TIME.
Claims use since Apr. 5, 1940.

392,998. (CLASS 38. PRINTS AND PUBLICATIONS.) THE METHODIST BOOK CONCERN, Cincinnati, Ohio. Filed July 31, 1940. Serial No. 434,537.

THE ABINGDON PRESS

FOR BOOKS, PAMPHLETS AND MAGAZINES.
Claims use since 1923.

392,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY J. BROCKMANN, doing business as Harry Brockmann & Co., Overland, Mo. Filed Oct. 21, 1940. Serial No. 437,118.

CHOCOLATEBUTTER

FOR A MIXTURE OF A MAJOR AMOUNT OF BUTTER AND A LESSER AMOUNT OF CHOCOLATE.
Claims use since Oct. 14, 1940.

393,000. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) SANDOLATOR CORPORATION, Boston, Mass. Filed Oct. 22, 1940. Serial No. 437,180.

GRIP-SAND

FOR SAND ADAPTED TO BE USED WITH MOTOR VEHICLE SANDING DEVICES.
Claims use since Nov. 27, 1939.

393,001. (CLASS 5. ADHESIVES.) MILLER MANUFACTURING COMPANY, Camden, N. J. Filed Nov. 20, 1940. Serial No. 438,079.

Gasketite

FOR ADHESIVES—NAMELY, PUTTY CEMENTS, PARTICULARLY USEFUL FOR HOSE CONNECTIONS; PIPE THREADS; FUEL, OIL AND VACUUM LINE UNIONS; COVER PLATES; FLANGES; OIL PANS AND HEADS FOR INTERNAL COMBUSTION ENGINES; MACHINED METAL SURFACES; GASKETS, AND THE LIKE.
Claims use since 1934.

393,002. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MARKET RECORD, INC., Chicago, Ill. Filed Nov. 30, 1940. Serial No. 438,396.

Market Record

FOR A PUBLICATION ISSUED MONTHLY, CONTAINING DATA AND INFORMATION FOR AUTOMOBILE DEALERS.
Claims use since Oct. 28, 1940.

393,003. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) REID HYBRID CORN COMPANY, Anamosa, Iowa. Filed Dec. 6, 1940. Serial No. 438,586.



FOR HYBRID SEED CORN.
Claims use since July 15, 1940.

393,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, San Francisco, Calif. Filed Dec. 7, 1940. Serial No. 438,608.

KLEENRAW

FOR REFINED SUGARS.
Claims use since Nov. 8, 1940.

393,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOUNDATION PRODUCTS, Kansas City, Mo. Filed Feb. 13, 1941. Under the act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 440,621.



FOR DRY ENRICHENER FOR SWEET ROLLS AND OTHER PASTRIES, CONSISTING OF SUGAR, WHEAT FLOUR, DRIED EGG YOLK, SHORTENING, DRY SKIM MILK SOLID, SALT, DOUGH CONDITIONER, BAKING POWDER, LECITHIN, FLAVOR AND SPICE.
Claims use since Nov. 22, 1940.

393,006. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN LUCAS AND COMPANY, INCORPORATED, Philadelphia, Pa. Filed Jan. 15, 1941. Serial No. 439,700.

PAINT PATTERN

FOR COLOR CHART DRAWINGS PUBLISHED FROM TIME TO TIME.
Claims use since Nov. 13, 1940.

393,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMIL KARK, doing business as Feed Division, Blue Earth Rendering Co., Blue Earth, Minn. Filed Feb. 3, 1941. Serial No. 440,252.

APPETIZER

FOR FEEDS FOR ANIMALS AND FOWLS AND PARTICULARLY FOR POULTRY SUPPLEMENT, POULTRY CONCENTRATE, LAYING MASH, MEAT AND BONE SCRAPS FOR POULTRY, MEAT AND BONE TANKAGE FOR POULTRY, HOGS AND CATTLE, CHICK STARTER, ALL MASH CHICK STARTER-GROWER, CHICK GROWER, TURKEY STARTING MASH, TURKEY GROWING MASH, TURKEY CONCENTRATE, PIG GROWER, PIG AND HOG BALANCER, CATTLE CONCENTRATE, CATTLE FEED BALANCER, PELLETS CATTLE FEED, DAIRY CONCENTRATE, AND SHEEP CONCENTRATE.
Claims use since on or about Oct. 1, 1940, on poultry supplement; since on or about May 1, 1940, on poultry concentrate; since on or about Oct. 1, 1940, on laying mash; since March, 1935, on meat and bone scraps for poultry; since March, 1935, on meat and bone tankage for poultry, hogs, and cattle; since on or about May 1, 1940, on chick starter; since on or about May 1, 1940, on all mash chick starter-grower; since on or about May 1, 1940, on chick grower; since on or about May 1, 1940, on turkey starting mash; since on or about May 1, 1940, on turkey growing mash; since on or about May 1, 1940, on turkey concentrate; since May, 1939, on pig grower; since May, 1939, on pig and hog balancer; since May, 1940, on cattle concentrate; since on or about Oct. 1, 1940, on cattle feed balancer; since on or about Oct. 1, 1940, on pellets cattle feed; since May, 1940, on dairy concentrate; and since September, 1940, on sheep concentrate.

393,008. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KELLY BROTHERS COMPANY, Minneapolis, Minn. Filed Feb. 17, 1941. Serial No. 440,724.

KELLY'S SPECIAL

FOR WHISKEY.
Claims use since Nov. 4, 1940.

393,009. (CLASS 47. WINES.) ROMA WINE COMPANY, INC., Fresno, Calif. Filed Mar. 3, 1941. Serial No. 441,181.

SELECTED FIRST

FOR WINES.
Claims use since Nov. 22, 1940.

393,010. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PAUL F. KRAEFT, Jersey City, N. J. Filed Apr. 19, 1941. Serial No. 442,753.

KRAEFT

FOR BURNISHING MACHINES.
Claims use since January, 1936.

393,011. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed May 8, 1941. Serial No. 443,357.

DACCA

FOR THERMOPLASTIC COMPOSITIONS.
Claims use since June 18, 1940.

393,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR HAUGE, San Francisco, Calif. Filed May 17, 1941. Serial No. 443,658.

Tru-Rye

FOR BISCUITS.
Claims use since Nov. 1, 1940.

393,013. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HARDIE MANUFACTURING COMPANY, Hudson, Mich. Filed June 14, 1941. Serial No. 444,536.

HARDIE

FOR HAND AND MECHANICAL SPRAYERS AND SPRAYING AND DISINFECTING DEVICES AND SYSTEMS FOR HORTICULTURAL, AGRICULTURAL, MOSQUITO CONTROL, CAR WASHING, PAINTING, WHITEWASHING, AND SIMILAR USES, AND COMPRISING PORTABLE AND STATIONARY UNITS, EMBRACING TRUCK OUTFITS, HORSE DRAWN OUTFITS, STATIONARY POWER OUTFITS, BARREL AND WHEEL OUTFITS, AND THE ENGINES, PUMPS, AND OTHER PARTS FOR ANY AND ALL OF THESE.
Claims use since July 24, 1903.

393,014. (CLASS 47. WINES.) COLCOMBET, INC., also doing business as Colcombet Cellars, San Francisco, Calif. Filed June 20, 1941. Serial No. 444,696.

COLCOMBET

COLCOMBET CELLARS

FOR WINES.
Claims use since September, 1940.

393,015. (CLASS 47. WINES.) JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y. Filed July 16, 1941. Serial No. 445,394.

CAPPELLI

FOR WINES.
Claims use since Aug. 22, 1940.

393,016. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE W. LUTER, doing business as The Hawaii Publishing Company, Honolulu, Territory of Hawaii. Filed Sept. 3, 1941. Serial No. 446,758.

Hawaii

A MAGAZINE OF NEWS AND COMMENT

FOR A PERIODICAL.
Claims use since Mar. 5, 1940.

393,017. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) LEE E. HUEY, doing business as Huey Seed Company, Carthage, Ill. Filed Sept. 22, 1941. Serial No. 447,239.

HUEY'S

HUEY'S

FOR FIELD AND GARDEN SEEDS AND HYBRID SEED CORN.
Claims use since September, 1923.

393,018. (CLASS 38. PRINTS AND PUBLICATIONS.) MARKING DEVICES PUBLISHING COMPANY, Chicago, Ill. Filed Sept. 26, 1941. Serial No. 447,340.

MARKING DEVICES

FOR A MONTHLY MAGAZINE.
Claims use since May, 1930.

393,019. (CLASS 37. PAPER AND STATIONERY.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 20, 1941. Serial No. 447,939.

POWDER WHITE

FOR CORRESPONDENCE PAPER, CORRESPONDENCE CARDS, AND ENVELOPES.
Claims use since Dec. 15, 1935.

393,020. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THOMPSON PRODUCTS, INCORPORATED, Cleveland, Ohio. Filed Oct. 29, 1941. Serial No. 448,231.

Thompson

FOR VEHICLE TIE RODS, SPRING SHACKLES, AUTOMOBILE DRAG LINKS, STARTING CRANKS, AIRPLANE PARTS—NAMELY, PROPELLER PARTS, RETRACTABLE STRUT ASSEMBLY PARTS, LANDING GEAR ASSEMBLY PARTS AND SHOCK ABSORBER PARTS.
Claims use since Nov. 6, 1924.

393,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. D. SEARLE & Co., Chicago, Ill. Filed Nov. 18, 1941. Serial No. 448,739.

SEARLE

FOR MEDICINAL AND PHARMACEUTICAL PREPARATIONS—NAMELY, AMINOPHYLLIN (THEOPHYLLIN-ETHYLENEDIAMINE) GRANULES, TABLETS, POWDERS AND AMPULS; TABLETS CONTAINING AMINOPHYLLIN WITH PHENOBARBITAL, TABLETS CONTAINING AMINOPHYLLIN WITH POTASSIUM IODIDE, TABLETS CONTAINING AMINOPHYLLIN WITH PHENOBARBITAL AND RACEPHEDRINE HYDROCHLORIDE OR OTHER COMPOUNDS, TABLETS CONTAINING IODINE AND CALCIUM HYDROXIDE; TABLETS FOR THE TREATMENT OF AMEBIC DYSENTERY, ENTAMEBA HISTOLYTICA, AND OTHER INTESTINAL INFECTIONS; TABLETS, POWDERS, OR AMPULS FOR THE TREATMENT OF INFLAMMATORY CONDITIONS OF THE GALL BLADDER, BILE TRACT, AND LIVER; TABLETS FOR THE TREATMENT OF STAPHYLOCOCCIC INFECTIONS; ANTISEPTIC TABLETS, SOLUTIONS, OR POWDERS FOR FEMININE HYGIENE AND TREATMENT OF VAGINAL INFECTIONS; ANESTHETIC TABLETS OR AMPULS, TABLETS FOR RELIEF OF THROAT INFLAMMATIONS AND USEFUL AS A BRONCHIAL EXPECTORANT; TABLETS, POWDERS, AND AMPULS FOR THE TREATMENT OF DERANGEMENTS OF BLOOD PRESSURE, AND FOR PALLIATIVE THERAPY IN ACUTE CARDIAC DERANGEMENTS; ANALGESIC, ANTIPYRETIC, EXPECTORANT, AND SEDATIVE TABLETS AND ELIXIRS; TABLETS AND POWDERS FOR NEUTRALIZING STOMACH ACID, HORMONAL TABLETS AND AMPULS, LAXATIVE AND CHOLAGOGUE TABLETS; TABLETS FOR ORAL ADMINISTRATION AND AMPULS FOR INTRAVENOUS AND INTRAMUSCULAR INJECTION, CONTAINING CALCIUM SALTS; ANTISEPTIC AND GERMICIDAL TABLETS, AMPULS, SOLUTIONS, AND TINCTURES; AQUEOUS SOLUTIONS FOR INTRAMUSCULAR INJECTION, AMPULS OF GOLD SODIUM THIOSULFATE; AMPULS FOR INTRAMUSCULAR, INTRAVENOUS, OR INTERDERMAL INJECTION IN NONSPECIFIC PROTEIN THERAPY; AMPULS, TABLETS OR CAPSULES USEFUL IN TREATMENT OF METALLIC POISONING; AMPULS FOR INJECTION OF PITUITARY GLAND, THYMUS, AND OTHER ENDOCRINE GLAND EXTRACTS; OILS AND EMULSIONS FOR IODINE MEDICATION AND X-RAY DIAGNOSIS; LOTIONS, SOLUTIONS, AND OINTMENTS FOR THE TREATMENT OF WOUNDS, BURNS, ABRASIONS, INFECTED CAVITIES, AND AILMENTS OF THE SKIN; LINIMENT USEFUL AS A COUNTERIRRITANT FOR APPLICATION TO THE SKIN; OINTMENTS AND SOLUTIONS FOR THE RELIEF OF HEMORRHOIDS, AND OF INFLAMMATION OF THE MUCOUS MEMBRANES OF THE RESPIRATORY PASSAGES; POWDERS AND TABLETS FOR THE TREATMENT OF CONSTIPATION, COLITIS, AND GASTRIC DUODENAL ULCERS; GRANULAR EFFERVESCENT SALTS FOR THE TREATMENT OF GASTRIC ACIDITY AND REPLENISHMENT OF BODY MINERALS, AND FOR NEUTRALIZING STOMACH ACIDITY; LIQUID LAXATIVE PREPARATION USEFUL AS A STOMACHIC, CARMINATIVE, AND CHOLAGOGUE; LIQUID GASTRO-INTESTINAL ASTRINGENT FOR TREATMENT OF DIARRHEA AND GASTRO-INTESTINAL INFLAMMATIONS; SYRUPS FOR COUGHS, AND USEFUL AS A BRONCHIAL SEDATIVE AND EXPECTORANT; ANTISPASMODIC COMPOUNDS FOR THE TREATMENT OF ASTHMA, HYSTERIA, AND DYSMENORRHEA; LIQUID PREPARATIONS USEFUL AS A SEDATIVE IN THE URINARY TRACT, SOLUTIONS FOR THE TREATMENT OF VARICOSITIES, SOLUTIONS USEFUL AS A TISSUE IRRITANT, GENERAL TONICS AND STIMULANTS TO THE APPETITE, HALOGENATED OILS AND SOLUTIONS AND EMULSIONS FOR USE AS RADIOPAQUE AGENTS, OINTMENTS FOR TREATMENT OF MUCOUS MEMBRANE INFLAMMATIONS, LOTIONS AND OINTMENTS FOR TREATMENT OF SKIN INFLAMMATIONS, LOTIONS FOR TREATMENT OF EYE INFLAMMATIONS; ANTISEPTIC AND GERMICIDAL SOLUTIONS, TINCTURES, AND OINTMENTS FOR TREATMENT OF INFECTED AREAS; GLANDULAR EXTRACTS IN POWDERED, OINTMENT, OR TABLET FORMS FOR TREATMENT OF GLANDULAR DEFICIENCIES; AMPULED POWDERS FOR INTRAVENOUS USE AFTER DISSOLVING, ANTISPASMODIC COMPOUNDS FOR RELAXATION OF MUSCLE SPASM, AMPULS USEFUL IN THE TREATMENT OF SYPHILIS, TABLETS OF BILE SALTS AND BILE ACIDS FOR TREATMENT OF LIVER AND GALL BLADDER DISEASE, TABLETS ENTERIC COATED FOR DELAYED ABSORPTION.
Claims use since 1908.

393,022. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GIBSON GOOD TOOLS, INC., Orange, Mass. Filed Nov. 25, 1941. Serial No. 448,905.

GIBSON

GRIPPER CLIP

FOR CLIPS FOR ATTACHMENT TO A WALL OR THE LIKE AND FOR RELEASABLY HOLDING VARIOUS ARTICLES SUCH AS BROOMS, MOPS, TOOLS, AND THE LIKE.
Claims use since July, 1933.

REISSUES

JANUARY 20, 1942

22,008

FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS

Loyal F. Crawford, Beverly Hills, Calif., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,251,118, dated July 29, 1941, Serial No. 232,919, October 3, 1938. Application for reissue October 1, 1941, Serial No. 413,228

22 Claims. (Cl. 198—220)



1. In a shaker conveyer and in combination with an extensible trough section, means for extending said extensible trough section, and other means actuated by movement of the conveyer adapted to prevent backward slipping movement of said extensible trough section and selectively operable to positively feed said extensible trough section along ascending grades including a fluid pressure cylinder and piston and an interengaging connection between said piston and said extensible trough section.

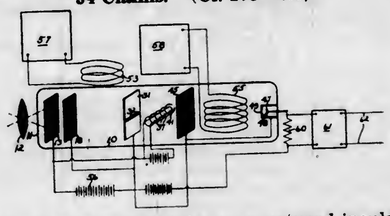
22,009

ELECTRON IMAGE AMPLIFIER

Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Original No. 2,085,742, dated July 6, 1937, Serial No. 461,110, June 14, 1930. Application for reissue July 5, 1939, Serial No. 282,952

34 Claims. (Cl. 178—7.2)



33. In an electron tube an apertured insulated grid, an electron emitting element to emit a flood of electrons, means to project the emitted flood of electrons through said apertured grid, means to produce on said apertured grid electrostatic charges representative of a picture, a target element located on the side of said apertured grid opposite the source of flooding electrons, and means to focus electrons passing through said grid upon said target.

22,010

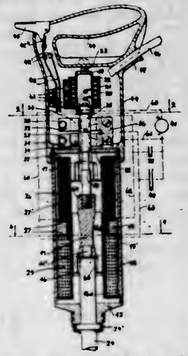
ELECTROMAGNETIC TOOL OF THE PERCUSSION TYPE

Max Greiner, Berlin-Charlottenburg, Germany

Original No. 2,100,660, dated November 30, 1937, Serial No. 47,713, October 31, 1935. Application for reissue November 10, 1939, Serial No. 303,908. In Germany April 18, 1934

26 Claims. (Cl. 172—126)

19. Electromagnetic tool of the percussion type comprising frame elements and a reciprocatory armature guided therein constituting two substantially closed magnetic flux circuits, two coils each associated with one of said circuits to induce a flux therein, the first coil having a larger number of turns and a smaller conductor cross-section than the second coil, the volumes of said coils being equal to one another, a resilient buffer means for said armature arranged adja-



cent to said first coil, a tool shank adapted to be struck by said armature and arranged adjacent to said second coil, a source of current, and an interrupter adapted to be operated by said armature and to alternately connect said coils to said source of current, the electrical time constant ratio of the second coil, with reference to the initial position of the armature, being not larger than that of the first coil.

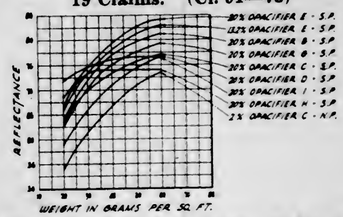
22,011

METHOD OF MAKING ENAMELWARE

Charles J. Kinzie and Charles H. Commons, Jr., Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

Original No. 2,249,007, dated July 15, 1941, Serial No. 239,772, November 10, 1938. Application for reissue October 22, 1941, Serial No. 416,134

19 Claims. (Cl. 91—73)

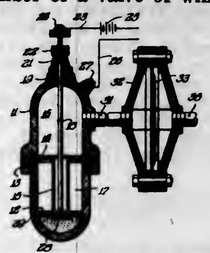


1. The method of making white vitreous enamel ware with coatings less in weight than 40 grams per square foot and having a reflectance above 70 and substantially greater than that producible with the frit used and clay alone, which comprises milling a mixture of a white frit 100 parts by weight having a basic reflectance above 60, clay, water and not less than 10 parts by weight of an opacifier selected from the dioxides of the group consisting of zirconium,

tin, titanium, hafnium, thorium and cerium, said mixture being ground to a fineness where more than 95% by weight of the particles thereof are less than 44 microns in size to form the enamel slip, applying the said slip to ground coated ware in a thin film not exceeding 40 grams per square foot when fired, and burning the slip-coated ware at firing temperatures to produce said adherent vitreous enamel ware.

22,012
FLUID-OPERATED ELECTRIC SWITCH
Ira A. Weaver and Clyde H. Phelps, Springfield, Ill., assignors to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Original No. 2,225,190, dated December 17, 1940, Serial No. 347,370, July 25, 1940. Application for reissue October 16, 1941, Serial No. 415,330
5 Claims. (Cl. 200—81)

1. In a fluid-operated electric-switch having a casing divided by a wall into an upper chamber and a lower chamber, a downwardly-directed tube establishing communication between said upper and lower chambers and projecting downwardly into said lower chamber, a first electric-circuit terminal in said tube, an electrically-conductive liquid in said lower chamber normally closing the lower end of said tube and out of contact with said terminal, said liquid being connected to a companion electric-circuit terminal, and conduit-means connected to the interior of said casing, the novel feature being that said conduit-means is connected to one only of said chambers and is the sole conduit-means operatively associated with said casing, whereby by changing the pressure in said single conduit-means said liquid, constituting and acting as the movable member of a valve of which the other



member is said tube, opens the lower end of said tube permitting the pressures in the two chambers to become approximately equalized, whereupon the liquid closes the lower end of said tube but out of engagement with said first terminal ready, however, and operative to contact said first terminal upon increase of the pressure in said lower chamber relative to that in said upper chamber.

PLANT PATENTS

GRANTED JANUARY 20, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

499
DIANTHUS
Paul Ruskin Whittier, Beverly, Mass., assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
Application May 2, 1941, Serial No. 391,567
1 Claim. (Cl. 47—60)

The new variety of Dianthus herein shown and described characterized in the outstanding color, size, form and fragrance of the flower, the general neatness of the plant as a whole, the ease of growth of the plant and the fact that the calyx of the flower does not split.

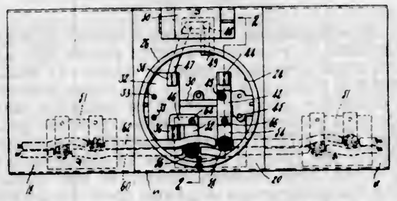
500
ROSE PLANT
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana
Application September 10, 1941, Serial No. 410,338
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty, by its excellent greenhouse forcing qualities for production of cut flowers; its long stems and disease resistant foliage; and the long bud form and unusual color combination of its flowers, substantially as shown and described.

PATENTS

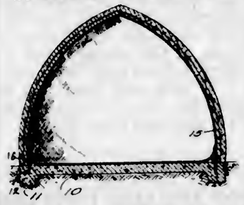
GRANTED JANUARY 20, 1942

2,270,228
ELECTRIC METER CONNECTION APPLIANCE
Granville E. Palmer, Cambridge, Mass., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1938, Serial No. 186,791
13 Claims. (Cl. 175—224)



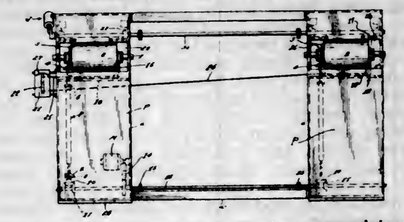
1. In a device of the class described, the combination of a trough or box adapted for containing bussing or circuit wires, means normally closing completely the front of said box, said means including a front wall having a large opening therethrough and a meter having rearward extending blades, an insulating block in fixed position in the box, conductors mounted thereon, terminals electrically connected with the conductors on said block and connectible with respective bussing or circuit wires, and detachably mounted meter connection means including a plurality of clips normally engaged with said meter blades and rigid conductors positioned to engage the conductors on said block when said connection means is in place, the said conductors being visible and accessible through said opening when the meter is not in place and the said conductors being entirely concealed and inaccessible when the meter is in place.

2,270,229
BUILDING CONSTRUCTION
Wallace Neff, Hollywood, Calif.
Application April 3, 1941, Serial No. 386,727
20 Claims. (Cl. 25—154)



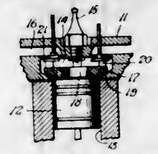
1. The method of constructing concrete shell-form structures of the continuous wall, self-sustaining type suitable for use as dwellings, barracks, hangars, and the like by the use of an internal form only, which consists in providing a normally collapsed, pneumatic form having a flat bottom and anchoring points along the perimeter thereof and which is adapted upon inflation to assume a size and shape corresponding substantially to the interior of the intended structure, arranging the flat bottom of the form on a horizontal supporting surface, anchoring the form along its lower edge to a footing provided therefor, shooting a continuous layer of concrete over the exposed outer surface of the form in such manner as to build up thereon a continuous layer of concrete without the aid of an external form, maintaining the form inflated until the concrete has set, and collapsing and thereupon withdrawing the form following setting of the concrete.

2,270,230
WHEEL ALIGNMENT INDICATOR
Noble Pearce, Equality, Ill.
Application August 8, 1940, Serial No. 351,805
5 Claims. (Cl. 33—203)



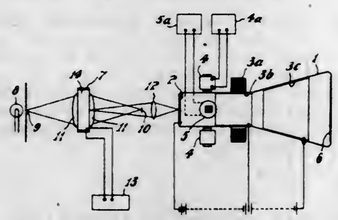
1. A wheel alignment indicator comprising a frame, a roller supported for axial movement in the frame and adapted to have the front wheel of a vehicle engage the roller, indicating means, means actuated by axial movement of the roller by the wheel of a vehicle for actuating the indicating means, for indicating the amount the wheel is out of alignment, a pair of arms for engaging the ends of the roller for holding the same midway in its path of axial movement and means for moving the arms out of operative position to permit axial movement of the roller.

2,270,231
INTERNAL COMBUSTION ENGINE
John M. Robertson, Ottawa, Ontario, Canada
Application October 8, 1940, Serial No. 360,322
5 Claims. (Cl. 123—191)



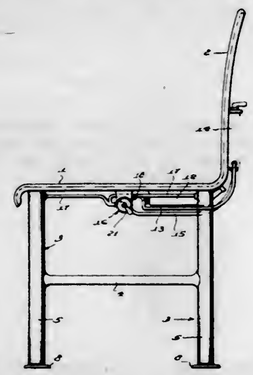
1. An improvement in internal combustion engines, comprising in combination with a cylinder, a piston in the cylinder, a cylinder head and combustion chamber in the cylinder head, a relatively thin plate closing the combustion chamber from the cylinder, an aperture in the plate located centrally over the piston in the cylinder, said aperture providing a restricted opening leading from the combustion chamber to the cylinder, a seat for the plate in the combustion chamber and a passage located between the periphery of the plate and the combustion chamber walls, said passage being closed when the plate is on its seating and opened when the plate is raised from the seating.

2,270,232
TELEVISION RECEIVING SYSTEM
Adolph Henry Rosenthal, New York, N. Y.
Application January 12, 1939, Serial No. 250,649
In Great Britain January 18, 1938
17 Claims. (Cl. 178—6.8)



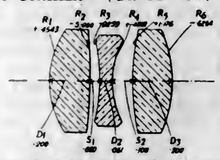
1. Television receiving apparatus comprising a cathode ray tube having a photo-electric surface and an image screen, a supersonic wave light modulating device, a light source for illuminating said device, means for applying picture signals to said device to produce therein a train of moving supersonic waves modulated in amplitude in accordance with said signals, optical means for forming an optical image of said train on said surface, means incorporated in said tube for forming an electron image of said train on said image screen, and deflecting means associated with said tube for deflecting said electron image over said screen to immobilize the picture points represented in said electron image with respect to said screen.

2,270,233
CHAIR
Richard J. Shaw, Phoenix, Ariz.
Application May 6, 1939, Serial No. 272,258
1 Claim. (Cl. 155—88)



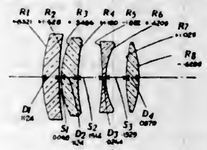
A chair comprising, in combination, a seat, a back, a plurality of fluid operated telescopic legs mounted beneath said seat, a fluid reservoir mounted on the seat, a pump mounted on said back, a multiway control valve mounted on said seat, a conduit connected to the reservoir, the valve and to the intake side of the pump, a conduit connected to the discharge side of the pump and the valve, and conduits connected to said valve and the legs, said reservoir, pump, valve and conduits constituting means for actuating the telescopic legs for raising the seat, retaining same in raised position and for lowering said seat.

2,270,234
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 14, 1939, Serial No. 309,267
In Great Britain December 23, 1938
8 Claims. (Cl. 88—57)



1. An astigmatically corrected optical objective comprising three axially aligned simple lens elements separated by air gaps, of which the middle element is dispersive and the two outer elements are collective, each of the three elements being made of a glass having a mean refractive index higher than 1.75 whilst the sum of the numerical values of the radii of curvature of the front surface of the front component and the rear surface of the rear component is greater than the equivalent focal length of the objective and less than 1.33 times such focal length.

2,270,235
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 14, 1939, Serial No. 309,268
In Great Britain December 29, 1938
12 Claims. (Cl. 88—57)

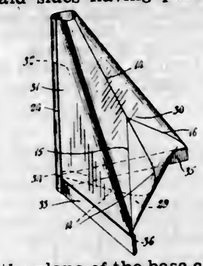


1. An optical objective corrected for spherical aberration, coma, astigmatism and distortion and comprising four axially aligned lens components separated by air gaps and each consisting of a simple element, the two front components and the rear component being convergent components, whilst the third is a double-concave asymmetrical divergent component having its shallow side turned towards the front, the mean refractive indices of the glasses used for at least two of the three convergent components being greater than 1.75 and less than 1.93 whilst that of the glass used for the divergent component is greater than 1.8 and less than 2.05.

2,270,236
CARTON AND LIKE CONTAINER
Kenneth Bertram James Blakemore, Hyde, England
Application October 11, 1938, Serial No. 234,464
In Great Britain October 25, 1937
5 Claims. (Cl. 229—22)

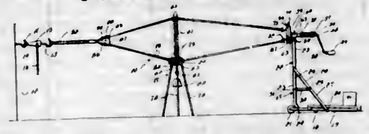
1. A one-piece carton having a triangular base, two triangular sides, and a triangular rear, with a line of weakness extending from the apex of the carton centrally down the rear and along the base, and two other lines of weakness extending from the two rear base corners to a common point in the central line of weakness, the carton having a sealed joint along the edge common to the two

sides, and having sealed joints between the sides and base, said sides having portions which ex-



tend below the plane of the base and are united to the base by two depending flanges integral with the base.

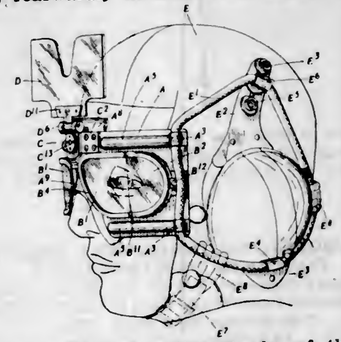
2,270,237
ROPE MACHINE
Joseph M. Cattoor, Modesto, Calif.
Application July 31, 1941, Serial No. 404,945
5 Claims. (Cl. 57—27)



1. A rope making machine comprising a swivel hook having a frame in which the hook is swivelly mounted, said frame being adapted to be connected to an anchor means, a stand including a base having a roller at one end thereof and a standard pivotally connected to and projecting upwardly from said base adjacent said aforementioned end, brace means for holding said standard in an upright position, a turning implement detachably connected to the upper end of said stand, said turning implement including a crank, a plurality of hooks, and gear means for connecting the crank to said hooks for revolving the hooks when the crank is revolved; said last mentioned hooks and swivel hook being adapted to be connected by strands of rope material, a spreader disposed between said swivel hook and stand, said spreader being provided with a plurality of pivotally connected arms having hooked shaped free ends through which the individual strands loosely extend, a guide block having grooves for engaging said strands, said guide block having openings extending longitudinally therethrough, and a U-shaped member pivotally connected to the frame of said swivel hook, the ends of said U-shaped member being removably mounted in the openings of said guide block to prevent rotation of the guide block, while in engagement with said U-shaped member, to hold the strands, at the ends thereof which are connected to the swivel hook, while the opposite ends of the strands are revolved.

2,270,238
PROTECTIVE GOGGLES
Clement Clarke and Philip Clermont Livingston, London, England, assignors to Clement Clarke Limited, London, England, a British company
Application April 17, 1940, Serial No. 330,214
In Great Britain April 17, 1939
23 Claims. (Cl. 2—14)

23. In combination with a helmet, a pair of goggles comprising two eye-piece frames each having a window and made of a single integral metal stamping, an adjustable bridge portion connecting the frames together, said bridge portion comprising two parts in sliding engagement with each other, a latch for retaining said parts in their relative position of adjustment, reduced neck portions connecting said two parts to the two frames respectively so that the frames can be transversely adjusted by bending at the said neck portions, a guide channel around that part of each window adjacent to the nose of the wearer, a frontal glass slidably arranged in each channel, which is inclined downwards and outwards adjacent to the nose so that the transparent area of the frontal glass extends up close to the nasal bridge immediately beneath the bridge portion, a subsidiary frame in each window, a hinge between each subsidiary frame and the corresponding main eye-piece frame, a side glass in each subsidiary frame, said side glass being rearwardly inclined with respect to, and

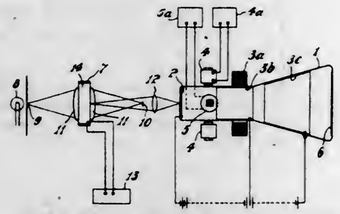


abutting against the adjacent edge of, the associated frontal glass, releasable latches retaining the subsidiary frames in the normal position but which can be released to enable each subsidiary frame to be swung outwards thus permitting withdrawal of the frontal and side glasses, at least one eye carried at each outer end of each eye-piece frame, two elastic endless cords extending through the eyes in the frames respectively, anchoring devices on each side of the helmet above and below eye level, the endless cords engaging said anchoring devices, at least one detachable face pad carried on that side of each eye-piece frame adjacent to the face of the wearer, a sun shield or visor, and an adjustable coupling connecting said visor to the adjustable bridge portion, the said coupling permitting adjustment of the angle of tilt of the visor and automatically retaining the visor in the adjusted position.

2,270,239
FAUCET VALVE OPERATOR
Jack F. Cushman, Kansas City, Mo.
Application June 20, 1940, Serial No. 341,583
4 Claims. (Cl. 4—166)

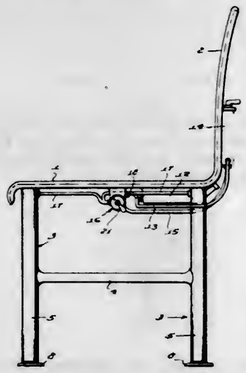
1. A faucet valve actuator comprising a stem connected to a faucet spindle, an arm fixed to and projecting from said stem, a cable connected at one end to said arm, a treadle having one end resting on a supporting surface and its opposite end projecting upwardly therefrom at an oblique angle thereto, the opposite end of said cable being connected to the elevated end of the treadle, said treadle being depressible to rock said arm to turn the stem of the faucet spindle in one direction for opening the faucet valve, a contractile spring for turning the arm in the opposite direction for closing the faucet valve, a pipe secured at one

2,270,232
TELEVISION RECEIVING SYSTEM
Adolph Henry Rosenthal, New York, N. Y.
Application January 12, 1939, Serial No. 250,649
In Great Britain January 18, 1938
17 Claims. (Cl. 178—6.8)



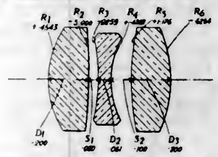
1. Television receiving apparatus comprising a cathode ray tube having a photo-electric surface and an image screen, a supersonic wave light modulating device, a light source for illuminating said device, means for applying picture signals to said device to produce therein a train of moving supersonic waves modulated in amplitude in accordance with said signals, optical means for forming an optical image of said train on said surface, means incorporated in said tube for forming an electron image of said train on said image screen, and deflecting means associated with said tube for deflecting said electron image over said screen to immobilize the picture points represented in said electron image with respect to said screen.

2,270,233
CHAIR
Richard J. Shaw, Phoenix, Ariz.
Application May 6, 1939, Serial No. 272,258
1 Claim. (Cl. 155—88)



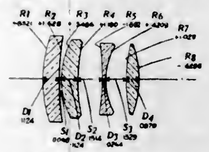
A chair comprising, in combination, a seat, a back, a plurality of fluid operated telescopic legs mounted beneath said seat, a fluid reservoir mounted on the seat, a pump mounted on said back, a multiway control valve mounted on said seat, a conduit connected to the reservoir, the valve and to the intake side of the pump, a conduit connected to the discharge side of the pump and the valve, and conduits connected to said valve and the legs, said reservoir, pump, valve and conduits constituting means for actuating the telescopic legs for raising the seat, retaining same in raised position and for lowering said seat.

2,270,234
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 14, 1939, Serial No. 309,267
In Great Britain December 23, 1938
8 Claims. (Cl. 88—57)



1. An astigmatically corrected optical objective comprising three axially aligned simple lens elements separated by air gaps, of which the middle element is dispersive and the two outer elements are collective, each of the three elements being made of a glass having a mean refractive index higher than 1.75 whilst the sum of the numerical values of the radii of curvature of the front surface of the front component and the rear surface of the rear component is greater than the equivalent focal length of the objective and less than 1.33 times such focal length.

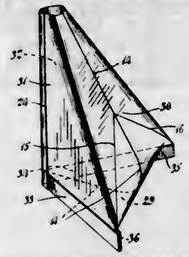
2,270,235
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
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1. An optical objective corrected for spherical aberration, coma, astigmatism and distortion and comprising four axially aligned lens components separated by air gaps and each consisting of a simple element, the two front components and the rear component being convergent components, whilst the third is a double-concave asymmetrical divergent component having its shallow side turned towards the front, the mean refractive indices of the glasses used for at least two of the three convergent components being greater than 1.75 and less than 1.93 whilst that of the glass used for the divergent component is greater than 1.8 and less than 2.05.

2,270,236
CARTON AND LIKE CONTAINER
Kenneth Bertram James Blakemore, Hyde, England
Application October 11, 1938, Serial No. 234,464
In Great Britain October 25, 1937
5 Claims. (Cl. 229—22)

1. A one-piece carton having a triangular base, two triangular sides, and a triangular rear, with a line of weakness extending from the apex of the carton centrally down the rear and along the base, and two other lines of weakness extending from the two rear base corners to a common point in the central line of weakness, the carton having a sealed joint along the edge common to the two sides, and having sealed joints between the sides and base, said sides having portions which extend below the plane of the base and are united to the base by two depending flanges integral with the base.



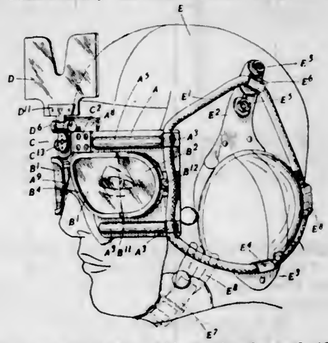
2,270,237
ROPE MACHINE
Joseph M. Cattoor, Modesto, Calif.
Application July 31, 1941, Serial No. 404,945
5 Claims. (Cl. 57—27)



1. A rope making machine comprising a swivel hook having a frame in which the hook is swivelly mounted, said frame being adapted to be connected to an anchor means, a stand including a base having a roller at one end thereof and a standard pivotally connected to and projecting upwardly from said base adjacent said aforementioned end, brace means for holding said standard in an upright position, a turning implement detachably connected to the upper end of said stand, said turning implement including a crank, a plurality of hooks, and gear means for connecting the crank to said hooks for revolving the hooks when the crank is revolved; said last mentioned hooks and swivel hook being adapted to be connected by strands of rope material, a spreader disposed between said swivel hook and stand, said spreader being provided with a plurality of pivotally connected arms having hooked shaped free ends through which the individual strands loosely extend, a guide block having grooves for engaging said strands, said guide block having openings extending longitudinally therethrough, and a U-shaped member pivotally connected to the frame of said swivel hook, the ends of said U-shaped member being removably mounted in the openings of said guide block to prevent rotation of the guide block, while in engagement with said U-shaped member, to hold the strands, at the ends thereof which are connected to the swivel hook, while the opposite ends of the strands are revolved.

2,270,238
PROTECTIVE GOGGLES
Clement Clarke and Philip Clermont Livingston, London, England, assignors to Clement Clarke Limited, London, England, a British company
Application April 17, 1940, Serial No. 330,214
In Great Britain April 17, 1939
23 Claims. (Cl. 2—14)

23. In combination with a helmet, a pair of goggles comprising two eye-piece frames each having a window and made of a single integral metal stamping, an adjustable bridge portion connecting the frames together, said bridge portion comprising two parts in sliding engagement with each other, a latch for retaining said parts in their relative position of adjustment, reduced neck portions connecting said two parts to the two frames respectively so that the frames can be transversely adjusted by bending at the said neck portions, a guide channel around that part of each window adjacent to the nose of the wearer, a frontal glass slidably arranged in each channel, which is inclined downwards and outwards adjacent to the nose so that the transparent area of the frontal glass extends up close to the nasal bridge immediately beneath the bridge portion, a subsidiary frame in each window, a hinge between each subsidiary frame and the corresponding main eye-piece frame, a side glass in each subsidiary frame, said side glass being rearwardly inclined with respect to, and

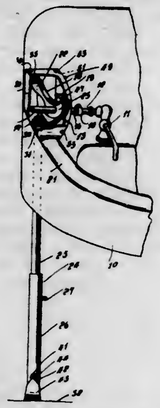


abutting against the adjacent edge of, the associated frontal glass, releasable latches retaining the subsidiary frames in the normal position but which can be released to enable each subsidiary frame to be swung outwards thus permitting withdrawal of the frontal and side glasses, at least one eye carried at each outer end of each eye-piece frame, two elastic endless cords extending through the eyes in the frames respectively, anchoring devices on each side of the helmet above and below eye level, the endless cords engaging said anchoring devices, at least one detachable face pad carried on that side of each eye-piece frame adjacent to the face of the wearer, a sun shield or visor, and an adjustable coupling connecting said visor to the adjustable bridge portion, the said coupling permitting adjustment of the angle of tilt of the visor and automatically retaining the visor in the adjusted position.

2,270,239
FAUCET VALVE OPERATOR
Jack F. Cushman, Kansas City, Mo.
Application June 20, 1940, Serial No. 341,583
4 Claims. (Cl. 4—166)

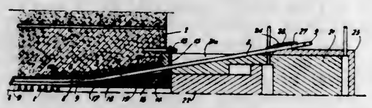
1. A faucet valve actuator comprising a stem connected to a faucet spindle, an arm fixed to and projecting from said stem, a cable connected at one end to said arm, a treadle having one end resting on a supporting surface and its opposite end projecting upwardly therefrom at an oblique angle thereto, the opposite end of said cable being connected to the elevated end of the treadle, said treadle being depressible to rock said arm to turn the stem of the faucet spindle in one direction for opening the faucet valve, a contractile spring for turning the arm in the opposite direction for closing the faucet valve, a pipe secured at one

end in an opening of a wash basin and extending downwardly therefrom, said treadle being provided with a head, on its elevated end, slidably



mounted in said pipe adjacent its lower end, and said head being provided with means for detachably and adjustably connecting it to said cable.

2,270,240
ANCHORING OF TENSIONED CABLES IN CONCRETE CONSTRUCTIONS
Eugène Freyssinet, Neuilly-sur-Seine, France
Application February 1, 1941, Serial No. 377,040
In France August 26, 1939
14 Claims. (Cl. 72—71)

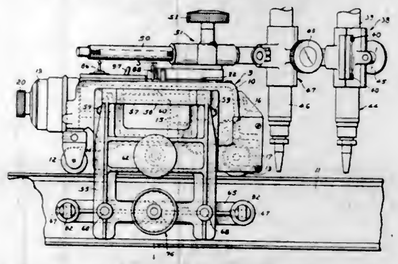


7. A device for anchoring a group of tensioned wires constituting a reenforcement of a concrete construction, the said device comprising in combination: a concrete part in which is provided a funnel-shaped cavity, the inner surface of which surrounds the extremity of the wires, the said cavity having its larger opening facing the exterior of the construction, a steel reenforcement embedded in the concrete about the said cavity and means in the said cavity adapted to compress the wires against the surface of the said cavity whereby the steel constituting the said embedded reenforcement is elastically tensioned.

2,270,241
LUBRICATING OIL
Elmer Wade Adams, Hammond, Ind., Lawrence C. Brunstrum, Chicago, Ill., and Alfred W. Weitkamp, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 30, 1940, Serial No. 363,500
12 Claims. (Cl. 252—33)

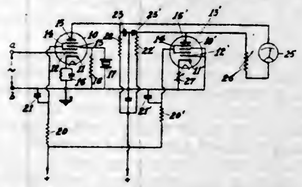
1. A lubricant comprising a lubricating oil, a metal salt of a carboxylic acid in an amount in excess of that which would be soluble in said lubricating oil and a phosphatidic material in an amount sufficient to render said first mentioned amount of said salt soluble in said oil.

2,270,242
BEAM CUTTING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1940, Serial No. 331,069
11 Claims. (Cl. 266—23)



1. A machine for cutting a beam that has flanges and a web, said machine including a self-propelled torch carriage with wheels for stably supporting the carriage on the flat top surface of the flange of said beam, supports extending downward from the carriage, side rollers on said supports below the carriage wheels and in positions to contact with both sides of the beam web to prevent lateral displacement of the carriage as it travels along the length of the beam, and means supported by the carriage for holding a cutting torch in position to cut the flange on which the carriage runs.

2,270,243
FREQUENCY DEVIATION METER
Henry M. Bach, Woodmere, N. Y., assignor to Radio Patents Corporation, a corporation of New York
Application October 19, 1940, Serial No. 361,981
13 Claims. (Cl. 172—245)



1. A frequency variation response circuit comprising a source of alternating potential, an electron discharge tube having a cathode and an anode, a source of space current connected to said cathode and anode for producing an electron discharge stream through said tube, control means including circuit connections from said first source to said tube for varying said electron stream in accordance with said alternating potential, a control grid in said tube, resonant impedance means connected between said control grid and cathode, the relative frequency of said alternating potential with respect to the resonant frequency of said impedance means being variable, means for exciting said control grid by said alternating potential substantially by space charge coupling of said grid with the electron stream, an output circuit connected to said anode, response means in said output circuit for utilizing anode current variations in response to the relative frequency departure of said alternating potential from the resonant frequency of said impedance means, and means energized

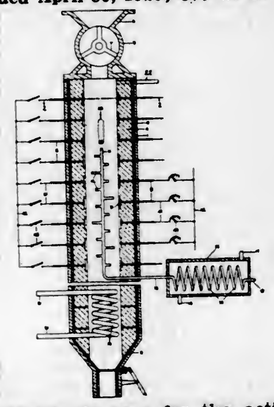
by said space current source for producing a current through said response means to compensate the steady anode current therethrough.

2,270,244
APPARATUS FOR PRODUCING GROUND OR POLISHED GLASS STRIP
Granville Hugh Baillie, London, and Frederic Barnes Waldron, Prescot, England, assignors to Pilkington Brothers Limited, Liverpool, England, a limited liability company
Application February 20, 1939, Serial No. 257,322
In Great Britain February 22, 1938
11 Claims. (Cl. 51—112)



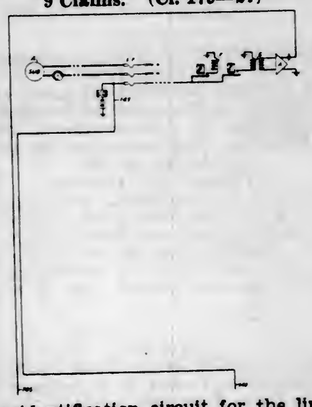
10. In a glass finishing apparatus of the type in which a continuous strip of glass is advanced to and through the apparatus at a speed determined solely by its advancing means, the combination of a plurality of strip-gripping rollers located at intervals along the length of the finishing apparatus for applying a tractive force to the advancing strip sufficient to overcome the frictional resistance between the strip and the finishing tools, the rollers of each pair contacting with the opposite sides of the advancing strip, and driving means, one for at least one of each pair of said strip-gripping rollers, each of said driving means including torque devices operating automatically to exercise a substantially constant torque on at least one of the rollers of each pair.

2,270,245
CHARCOAL ACTIVATING FURNACE
Maurice E. Barker, Washington, D. C.
Application April 23, 1940, Serial No. 331,140
4 Claims. (Cl. 13—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



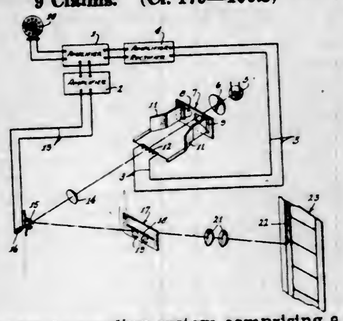
3. An electric furnace for the activation of granular charcoal comprising an elongated tubular chamber, a plurality of electrodes arranged in pairs on opposite sides of the chamber, means to feed granular charcoal through said chamber, the space between electrodes being bridged by charcoal particles, one group of electrodes constituting a preheating zone wherein the entering charcoal is gradually brought to substantially activating temperature, another group of electrodes constituting an activating zone wherein the charcoal is maintained at activating temperature, means to admit hot activating gas to said activating zone, and means to withdraw said activating gas and gases evolved by the charcoal directly from said activating zone, whereby said gases are prevented from entering said preheating zone and from contacting said charcoal in said preheating zone.

2,270,246
TELEPHONE SYSTEM
Henry M. Bascom, Brooklyn, and William A. Rhodes, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 20, 1940, Serial No. 357,519
9 Claims. (Cl. 179—27)



1. An identification circuit for the lines of a telephone system comprising in combination an electron distributor, a plurality of vacuum tube devices disposed coordinately relative to the lines of said telephone system, and means responsive to the operation of said electron distributor for altering the steady state grid potential of said devices whereby a potential applied to any one of said lines causes the operation of any two of said devices in coordinate relation to each other to identify the line to which said potential was applied.

2,270,247
SOUND RECORDING SYSTEM
Cecil N. Batsel, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 20, 1939, Serial No. 300,401
9 Claims. (Cl. 179—100.3)



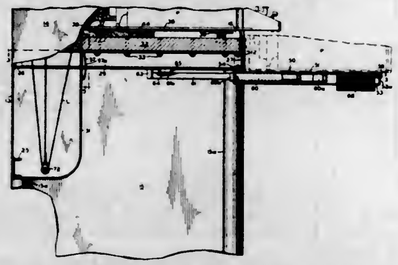
1. A sound recording system comprising a light

source, means for forming light from said source into a beam of a predetermined shape, means for passing a portion of said beam to a film, and means for varying the amount of said portion of said beam passed to said film in accordance with sound waves to be recorded, said light beam forming means providing a linear relationship between the amplitude of said sound waves and the amount of said beam passing to said film over a range of signal amplitudes of said sound waves corresponding to 80% of the film range and a non-linear relationship between the amplitude of said sound waves and the amount of said beam passing to said film over a higher range of amplitudes of said sound waves, said higher range of amplitudes being recorded in the remaining 20% of film range.

2,270,248
TREATMENT OF HYDROCARBON DISTILLATES
Wayne L. Benedict and Charles G. Dryer, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 28, 1939, Serial No. 287,005
8 Claims. (Cl. 196—30)

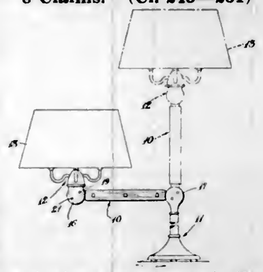
1. A process for sweetening sour hydrocarbon distillates which comprises treating the distillate with an aqueous hydrogen halide solution, separating the distillate from the solution and then treating the same with a sweetening agent containing combined copper and a combined halogen.

2,270,249
RETRACTILE SHELF STRUCTURE
Paul J. Birkmeyer, Verona, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 351,039
8 Claims. (Cl. 312—160)



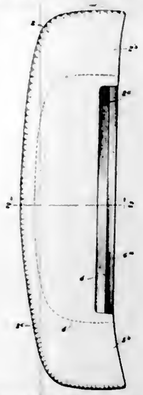
1. Retractile supporting shelf structure comprising a supporting housing having a first wall portion and other wall portions adjoining said first wall portion, a shelf hingedly secured to and dependent from said first wall portion so that the shelf may be swung outwardly and upwardly to a working position adjacent to said housing, and downwardly and rearwardly to a non-working position intermediate said other wall portions, telescopic brace structure for rigidly supporting said shelf in its working position comprising a slidable telescopic brace member and means carried by said shelf for telescoping said brace member, said telescopic brace structure being disposed obliquely with respect to one of said other wall portions so that when the slidable telescopic brace member is extended one end thereof will engage said one of the other wall portions, and means on said one of the other wall portions for releasably securing thereto the extended end of said brace member when the shelf is in working position.

2,270,250
SWINGING ARM SUPPORT
Rudolph G. Birr, Lombard, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,414
8 Claims. (Cl. 248—281)



1. In a swinging arm support, the combination with a parallelogram type of linkage including two elongated parallel links of bar form presenting flat side faces, of means including two portions of resilient sheet metal overlying the respective opposite flat side faces of said links throughout a major portion of the latter's length and engaging the same for releasably holding the links in adjusted positions of endwise displacement relative to each other.

2,270,251
SHOE COUNTER
Ernest C. Blackwell, Rochester, N. H., assignor to Spaulding Fibre Company, Inc., North Rochester, N. H., a corporation of New Hampshire
Application May 10, 1940, Serial No. 334,415
9 Claims. (Cl. 36—68)

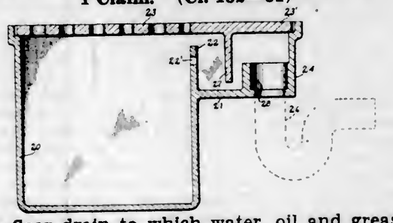


1. A shoe counter comprising at least two superposed bonded plies including a larger outside ply blank of relatively flexible binder-impregnated fibrous material and a smaller blank of relatively stiff fiberboard secured to the inner surface of said flexible blank, the flexible blank having upper and side marginal portions projecting beyond the upper and side marginal portions of the fiberboard, said blanks having lower edge overlapping flange portions in substantial alignment near the front terminal regions of the heel flange said terminal regions being afforded by substantially only said flexible fibrous material and the rest of said flange between said regions being afforded by substantially only the relatively stiff fiberboard blank.

2,270,252
OXIDATION OF KETONES
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 7, 1939, Serial No. 266,545
18 Claims. (Cl. 260—541)

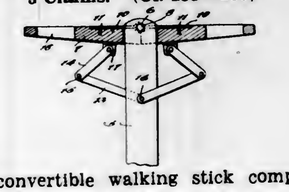
1. Process for the oxidation of a lower aliphatic ketone to form an acid comprising oxidizing the ketone while in vapor form with gas containing free oxygen in the presence of at least one volume of inert gas for each volume of ketone vapor and oxygen present.

2,270,253
GARAGE FLOOR DRAIN
Edward W. N. Boosey, Detroit, Mich.
Application July 15, 1937, Serial No. 153,801
1 Claim. (Cl. 182—31)



A floor drain to which water, oil and greases may be discharged, comprising a hollow body having an open top, a grating providing an apertured cover through which material may flow into the body the grating having an imperforate portion on one side, the body having an offset portion at the top of materially less depth than the body beneath the imperforate portion of the grating, a wall extending upwardly from the bottom of the offset portion and terminating below the grating, and an outlet conduit connected with the bottom of the offset portion, a flanged element depending from the imperforate portion of the grating into the offset portion between said upwardly extending wall and the outlet and terminating above the bottom of the offset portion, the entrance to the outlet being above the bottom of the said flange the said wall being constructed to provide for seepage of liquid from the body to the chamber and outlet and determining the minimum water level while the upper edge of the said wall determines the flow water level, the chamber being accessible through the open top of the body by removal of the grating.

2,270,254
WALKING STICK
Henry Brand, Smithfield, Nebr.
Application July 31, 1940, Serial No. 348,783
3 Claims. (Cl. 155—135)

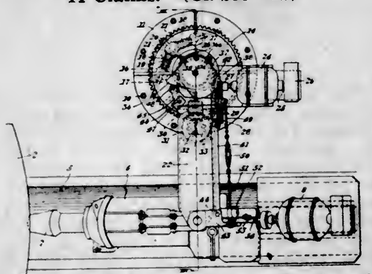


1. A convertible walking stick comprising a staff, seat plates hingedly connected to the upper end of said staff in end to end relation adapted to swing downwardly to a horizontal position, and links pivotally connecting said seat plates to said staff for holding said plates against pivotal movement when held in confronting relation.

2,270,255
SELENOTRICARBOCYANINE DYES
Leslie G. S. Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application January 16, 1933, Serial No. 651,870. Divided and this application March 3, 1936, Serial No. 66,859
12 Claims. (Cl. 260—240)

10. A selenotricarbocyanine salt.

2,270,256
MOUNTING AND OPERATING MECHANISM FOR MUD GUNS
Edgar E. Brosius, Pittsburgh, Pa.
Application April 9, 1940, Serial No. 328,786
11 Claims. (Cl. 266—42)



9. Mounting and operating mechanism for a mud gun for plugging a tapping hole of a furnace, comprising a gun carriage, a support for the gun carriage at all times spaced from the furnace front and means connected between the gun carriage and its support for moving the gun carriage relatively to the support to bring the gun into tapping hole plugging position with the nose of the gun in the tapping hole and in contact with the furnace and locking the gun carriage in such position.

2,270,257
PREPARATION OF DIXANTHOGENS
George L. Browning, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 18, 1940, Serial No. 370,684
4 Claims. (Cl. 260—455)

1. The method of oxidizing an alkali metal xanthate to a dixanthogen which comprises adding an alkali metal hypochlorite to an aqueous solution of the xanthate and maintaining the temperature within the approximate range of from 15° to 25° C. throughout the oxidation.

2,270,258
ABRASIVE TOOL AND METHOD OF MAKING SAME
Louis Buchmann, Buffalo, N. Y., assignor, by mesne assignments, to Aln Cin, Inc., a corporation of New York
Application September 21, 1939, Serial No. 295,941
11 Claims. (Cl. 51—309)

5. An abrasive tool of sintered metallic body

form comprising foraminous metallic laminae



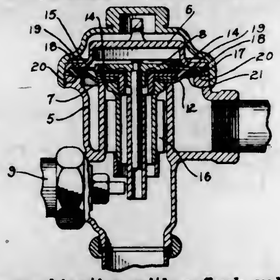
having abrasive grains mounted in the interstices thereof.

2,270,259

DIAPHRAGM FOR CLOSET FLUSH VALVES

Thomas R. Burke, New York, N. Y.

Application December 14, 1939, Serial No. 309,272
7 Claims. (Cl. 137—93)



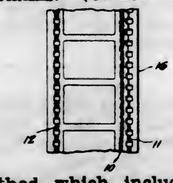
6. The combination with a flush valve including a casing, inner cover, tilt valve seat and main valve seat, of a flexible diaphragm interposed between the main valve seat and tilt valve seat, and a yieldable gasket fitted to the outer marginal portion of the flexible diaphragm and clamped between the casing and inner cover, said gasket being provided with an inwardly extending lip for regulating the flexure of said diaphragm towards the ceiling of said inner cover.

2,270,260

PRODUCTION AND REPRODUCTION OF SOUND RECORDS

Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 24, 1937, Serial No. 181,634
4 Claims. (Cl. 179—100.3)



1. The method which includes recording a sound record on a motion picture film having periodic perforations in its base, recording a control record in alignment with said perforations, utilizing said perforations to produce a carrier current, modulating said current by said control record, detecting said modulation, reproducing said sound record and utilizing said detected modulation to control a characteristic of said reproduced sound.

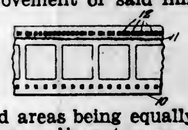
2,270,261

PRODUCTION OF SOUND AND OTHER RECORDS

Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 24, 1937, Serial No. 181,635
11 Claims. (Cl. 179—100.3)

1. The method which includes exposing successive constant width areas of a sound motion picture film at a frequency dependent on the spacing between periodic discontinuities in said film, varying only the length of said areas in the direction of movement of said film, a point on



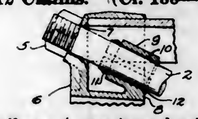
any one of said areas being equally spaced from similar points on adjacent areas regardless of the lengths of said adjacent areas, and utilizing the variations in the length of said areas to regulate a characteristic of the sound reproduced from said film.

2,270,262

RAILWAY BRAKE BEAM

Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 31, 1940, Serial No. 338,055
12 Claims. (Cl. 188—226)



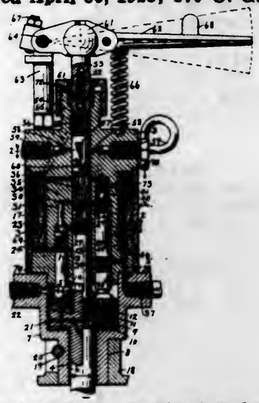
1. In a railway truss type brake beam having a compression member, a brake head seated thereon with an open ended pocket receiving the end of said compression member, a tension member extending through said brake head, and a tensioning device seated on the outer side of said brake head and engaging said tension member, said brake head including an integral rigid sleeve-like part in said pocket enclosing a portion of said tension member for a substantial distance spaced from said device, there being separately formed filler structure insertible endwise in said sleeve-like part and substantially surrounding said tension member to hold the latter against movement transversely of its length and relative to said head.

2,270,263

FUEL MEASURING AND DISTRIBUTING PUMP FOR OIL ENGINES

Frank David Butler, United States Navy

Application June 19, 1940, Serial No. 341,501
5 Claims. (Cl. 123—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a rotary drive combined fuel pump and

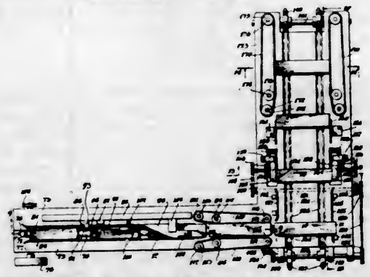
distributing assembly having a plurality of axially disposed fuel delivery pump cylinders with cam operated reciprocating pump plungers therein symmetrically arranged about the axis of a rotary valve member operated through a slidable coupling by said rotary drive and slidably fitting within an elongated bore, the combination therewith of a fuel supply pump having an axially disposed pump cylinder with a pump plunger therein operated by said cam and connected to take fuel suction (by plunger displacement) from a source of fuel supply and to discharge such fuel via a recess in said rotary valve member into an annular shaped reservoir surrounding said pump cylinders, an access passage extending between said elongated bore and said reservoir, a plurality of ports one extending between each of said fuel delivery pump cylinders and said elongated bore, a cavity in said rotary valve member adapted to consecutively connect each of said ports with said access passage, an elongated fuel pressure compartment located within said rotary valve member, a concave located in the circumference of the latter and in communication with said fuel pressure compartment and adapted to consecutively connect each of said ports with said compartment, a plurality of radially extending fuel delivery orifices arranged symmetrically around said elongated bore, a tapering fuel distributing port located in the circumference of said rotary valve member and in communication with said fuel pressure compartment and adapted to consecutively connect each of said fuel delivery orifices with the latter, an adjustable pressure relief valve opening away from said fuel pressure compartment, fuel pressure release means in the form of two annular grooves located in the circumference of said rotary valve member one adjacent either end of said tapering fuel distribution port, a single manually controlled means for simultaneously moving said rotary valve member longitudinally in relation to said orifices and for circumferentially rotating said bore in relation to said tapering fuel distribution port, and, retrieving means for returning said plungers in a direction of travel towards said cam after having been forced away therefrom by the latter.

2,270,264

METHOD AND APPARATUS FOR CLOSING AND SEALING PAPERBOARD BOXES AND CARTONS

Herman A. Carruth, Northford, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey

Application October 25, 1939, Serial No. 301,093
16 Claims. (Cl. 93—6)



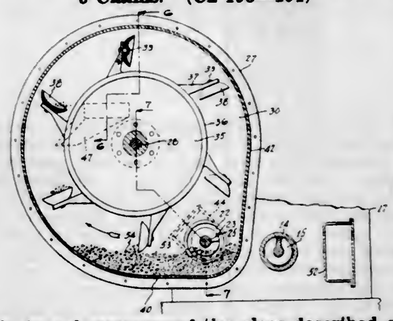
1. The method of closing and sealing merchandising cartons each of which comprises a body portion having a bottom, side and end wall panels and a cover portion having a cover panel and a front sealing flap and end sealing flaps hinged to the cover panel, which method comprises, bending the front sealing flap substantially at right angles to the cover panel, applying a strip of adhesive along substantially the full length of the front sealing flap, folding the cover panel into a plane substantially parallel to the bottom wall panel, pressing the front sealing flap into sealing engagement with the front wall panel, applying adhesive to the underside of each of the end wall flaps, and pressing each of the end wall flaps into sealing engagement with the adjacent end wall panel.

2,270,265

VERTICAL ROTARY-TYPE ASH REMOVER

Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.

Application November 21, 1939, Serial No. 305,475
5 Claims. (Cl. 198—104)



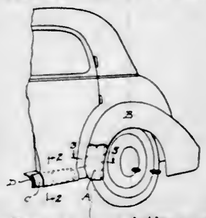
1. An ash remover of the class described consisting of an upright revolvable disc paddle wheel having an outwardly flared rim having a plurality of paddles disposed around the outer side of said rim, a casing enclosing said paddles, means for conveying ashes into said casing, an outlet opening in the upper portion of said casing below the uppermost portion of the buckets travel, a chute communicating with the interior of said casing below the discharge point of the buckets and extending to said disc and means for preventing excessive packing of ashes in the lowermost portion of said conveyor.

2,270,266

GUARD FOR MOTOR VEHICLES

Gerald F. Cavanagh, Euclid, Ohio

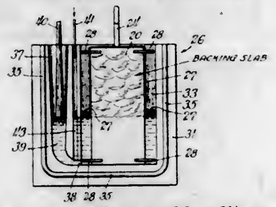
Application March 21, 1940, Serial No. 325,200
4 Claims. (Cl. 280—153)



4. A protective wear-resisting cover for surfaces, said cover comprising a flexible sheet of wear resisting material, a plurality of buttons extending outwardly from one surface of said sheet, each of said buttons comprising a spherical segmental portion, the base of which is connected to the sheet by a reduced neck portion, there be-

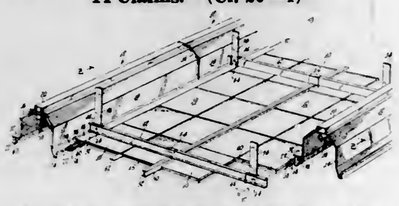
ing a substantially cylindrical stem projecting from the button, said stem having such a diameter as to pass freely through said opening, and of such a length that it may be grasped to draw the button through the opening, said stem being on the side of the button opposite the neck.

2,270,267
MOLD
Thomas B. Chace, Winnetka, Ill., assignor to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois
Original application August 12, 1937, Serial No. 158,656. Divided and this application December 26, 1939, Serial No. 310,894
1 Claim. (Cl. 22—116)



A two part cladding mold split on a vertical plane and having a mold space open at the top for introduction of a slab to be clad, said mold having a pouring sprue having a vertically disposed portion extending from the top of the mold to substantially the level of the bottom of the mold space, and a horizontally disposed portion joining the lower part of the vertically disposed portion with the lower end of the mold space, a valve passageway extending from the top of the mold down to and intersecting the horizontally disposed portion of the sprue, and a valve plunger adapted to be plunged down said passageway into shutoff position across the horizontally disposed portion of said sprue to facilitate severing the sprue at a point adjacent the face of the clad slab when the cladding metal solidifies, said sprue mold space and valve passage lying on the vertical plane of the split of the mold whereby upon opening of the mold on said split, the solidified sprue, the valve plunger and cladded slab may readily be withdrawn from the mold.

2,270,268
ACOUSTICAL ASSEMBLY
John A. Chambers, Swampscott, Mass., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application June 19, 1940, Serial No. 341,221
14 Claims. (Cl. 20—4)

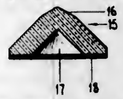


1. A ceiling comprising a base, a plurality of supporting bars suspended therefrom, said bars lying in substantial parallel relationship to one another, elongated lighting units carried by said bars and bridging certain of the spaces therebetween, means bridging others of the spaces between said bars, and acoustical units supported from said bars and said means.

2,270,269
METHOD OF PRECIPITATING NEOARSPHENAMINE
Walter G. Christiansen, Glen Ridge, N. J., and Alfred E. Jurist, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 4, 1938, Serial No. 233,246
2 Claims. (Cl. 260—444)

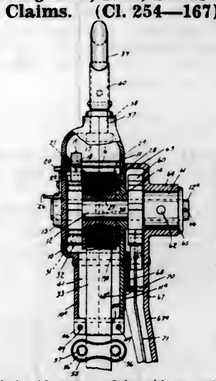
2. The method of precipitating neoarsphenamine in a condition adapted for drying, which comprises neutralizing the excess alkali in a concentrated aqueous solution of neoarsphenamine until the solution is no longer alkaline to phenolphthalein, adding sodium chloride, and introducing the resultant solution gradually into cold ethyl alcohol while agitating.

2,270,270
MOLDED PLASTIC GEM
Philip Clare, East Orange, N. J.
Application April 20, 1940, Serial No. 330,689
6 Claims. (Cl. 63—32)



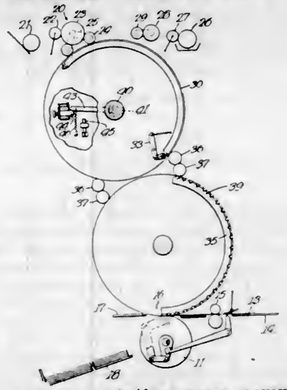
3. An imitation gem comprising a transparent plastic body, provided on its outer surface with facets, said body having a substantially flat base portion, a hollow chamber within said gem, a flat reflecting backing disc attached directly to said base portion.

2,270,271
TAPE HOIST AND TENSIONING DEVICE
Fredrick W. Coffing, Danville, Ill.
Application August 4, 1939, Serial No. 288,319
5 Claims. (Cl. 254—167)



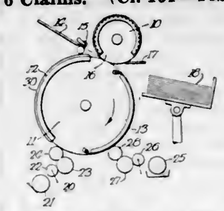
1. In a hoist, the combination of a magazine type housing, a unitary shaft extending across the magazine and projecting through one side thereof, an anchoring member at one end of the housing, a tubular extension directed oppositely therefrom, the anchoring member and extension having a common alignment offset from the axis of the shaft, a tape reel carried by said shaft, a tape secured at one end to said reel and windable thereon and unwindable therefrom, throat means at the end of said tubular extension and operatively associated with the tape for guidance, alignment and clearance purposes, a ratchet rigid with the shaft, a pawl, yielding means normally constraining the pawl toward ratchet engagement for tape tensioning, means for rotating the shaft for tape tensioning, housing exposed means overcoming, when manually operable, the constraint imposed by the yielding means for removing the pawl from ratchet engagement for permitting paying-out of the tape from the magazine, the means for rotating the shaft for tape tensioning, including a ratchet carried by the shaft externally of the magazine and on the projecting end of said shaft, a handle rotatably mounted on said projecting end of said shaft and in juxtaposition to said ratchet and including a pawl constrained to last mentioned ratchet engagement, and means terminating adjacent the outer end of the handle and arranged for handle pawl ratchet disengagement in opposition to the constraint upon the handle pawl, the free end of said handle terminating in a tubular structure including transversely arranged tubular sockets and a single member selectively seatable in either of said sockets and normally constrained toward seating engagement therein and having an interlocking connection therewith when in either of the sockets for forming a crank structure or a lever extension structure.

2,270,272
CONVERTIBLE PRINTING PRESS
William Ward Davidson, Evanston, Ill.
Application July 25, 1940, Serial No. 347,454
10 Claims. (Cl. 101—142)



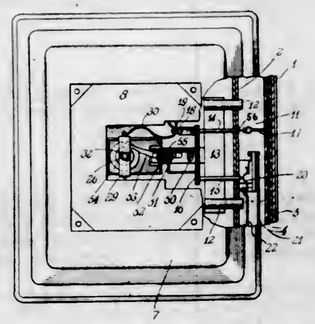
5. A convertible printing press comprising a cylinder having a blanket surface disposed above a platen, a plate surface cooperating with the blanket surface for the transfer of ink, means for inking the plate surface, means for converting the plate surface into an ink form surface, and means interchangeable with said blanket surface for providing a direct printing surface.

2,270,273
CONVERTIBLE PRINTING PRESS
William Ward Davidson, Evanston, Ill.
Application September 6, 1939, Serial No. 293,554
6 Claims. (Cl. 101—142)



1. A convertible printing press comprising a small cylinder disposed above a large cylinder, interchangeable blanket and direct printing means for the small cylinder, a platen surface upon the large cylinder cooperating with the small cylinder to provide a printing couple, interchangeable plate and ink form surfaces for the large cylinder cooperating with the small cylinder to provide an ink transfer medium, and means for inking the interchangeable surfaces upon the large cylinder.

2,270,274
SAFE PROTECTION
Charles R. Davis, Rochester, N. Y.
Application November 19, 1936, Serial No. 111,670
7 Claims. (Cl. 109—40)

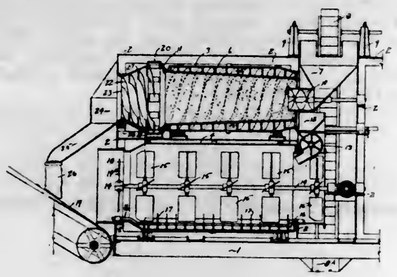


1. In a burglar resisting safe, the combination with a strong box, an electrically actuated protective device associated therewith, a source of electrical current supply, and a circuit connecting the latter with the protective device, of a displaceable door to said strong box, electrical conducting mediums on said door and said strong box and connected to said circuit to close the same when tampered with, a master switch in said circuit arranged in the box, a combination lock, and means on the door and operable by movement of the combination lock for closing said switch only when the door is closed and said combination lock is moved into position to hold the door in locked position, said lock also having conductors associated therewith and out of contact therewith but operated by mutilation of said lock before the mutilation is sufficient to render the lock ineffective for also closing said circuit to said protective device.

2,270,275
DRY PLACER MINING MACHINE
Charles R. Dennison, Youngstown, Ohio
Application October 30, 1939, Serial No. 301,940
2 Claims. (Cl. 209—200)

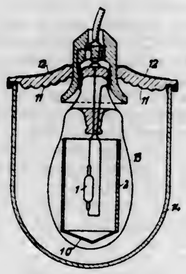
1. In a dry placer mining machine adapted to separate mineral values from dry placer deposits, a horizontally positioned rotatable amalgamating cylinder adapted to receive fine placer material and separate the mineral values therefrom, means for rotating the said amalgamating cylinder, said cylinder lined with metal to which mercury adheres and having a pool of mercury positioned therein, an axially extending shaft positioned within the said cylinder, a series of sets of fan blades mounted on the said shaft, with radial blades inclined with respect to the axis, and means independent of the cylinder rotating means to rotate said shaft and fan blades, the said fan blades adapted to create whirling

air currents within the said cylinder to carry the said placer material against the interior of



the said cylinder and permit the mineral values to be collected by the mercury thereon.

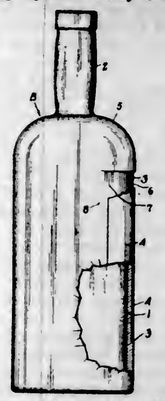
2,270,276
ELECTRIC GAS AND VAPOR DISCHARGE LAMP FOR LIGHTING PURPOSES
Ulrich W. Doering, Berlin, Germany, assignor to "Technoprogress A. G.," Solothurn, Switzerland
Application September 21, 1938, Serial No. 230,982
In Germany September 20, 1937
5 Claims. (Cl. 176—122)



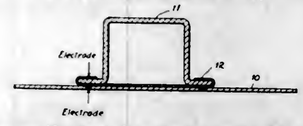
1. An electric gas and vapor discharge lamp for lighting purposes comprising in combination a gas or vapor arc discharge emitting rays of various wave lengths, surrounding refracting optical means, lenses among them, said optical means being adapted to separate and direct ultraviolet rays and visible rays into locally different places, and fluorescent materials capable of transforming ultraviolet rays into visible radiation arranged at the points of highest concentration of the ultraviolet rays.

2,270,277
BOTTLE
John H. Dowd, West Hartford, Conn., assignor to G. F. Heublein & Bro., Hartford, Conn., a corporation of Connecticut
Application March 15, 1940, Serial No. 324,092
2 Claims. (Cl. 215—1)

1. A bottle of the character described having a cylindrical body portion, a label receiving pocket formed in the outer face thereof the surface of said pocket being cylindrically shaped and having its center of curvature offset from the center of curvature of the outer face of the bottle.



2,270,278
METHOD OF JOINING
John H. Dunn, Springdale, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1939, Serial No. 285,565
3 Claims. (Cl. 219—10)

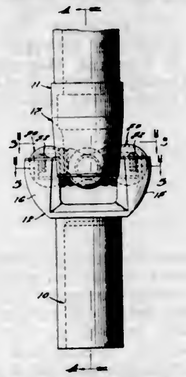


1. The method of forming a metallic structure incorporating a ferrous and a non-ferrous member, the non-ferrous member being characterized by having a lower electrical resistance than the ferrous member, the steps comprising positioning a metal liner having a resistance substantially equal to that of the non-ferrous member between the non-ferrous and ferrous member, mechanically securing the metal liner to the ferrous member by bending portions of the former over a portion of said ferrous member, and passing a welding current through and around the bent over portions of said metal liner and through said non-ferrous member, thereby forming a weld between the metal liner and non-ferrous member.

2,270,279
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company, Incorporated, Dearborn, Mich., a corporation of Delaware
Application August 17, 1940, Serial No. 353,016
5 Claims. (Cl. 64—17)

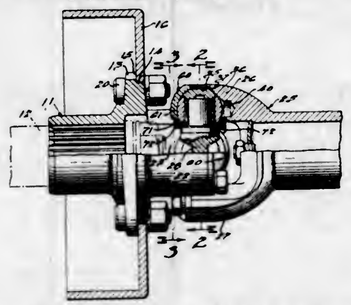
1. In a universal joint of the four trunnion type, including a pair of yokes each having a pair of arms, each arm having a recess of substantially cylindrical surface character extending from its free end and terminating inwardly in a bottom surface adapted to engage a ball, that face of the arm next to the joint axis having a slot which opens to the recess, a cross having trunnions respectively projecting through the slots and into the recesses, a ball member on each trunnion and seated in its respective recess

and being of substantially the same diameter as the cylindrical surface part of the recess and having a diametrically extending opening receiving the trunnion, small cylindrical rollers in the ball opening and around the trunnion, means on the ball substantially engaging the trunnion for centering the cross relative to the joint axis, each recess embracing the ball outwardly beyond the recess axis to center the ball with respect to the



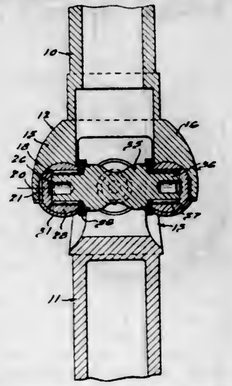
joint axis and further being of such depth that a substantial cylindrical surface part thereof is located between the trunnion axis and the free end of the arm when the ball is seated against said bottom surface and which part is adapted to provide a torque driving ball seat and ball centering means, and a cap releasably fastened on the free end of the arm and contacting the ball.

2,270,280
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application March 17, 1941, Serial No. 383,744
5 Claims. (Cl. 64—17)



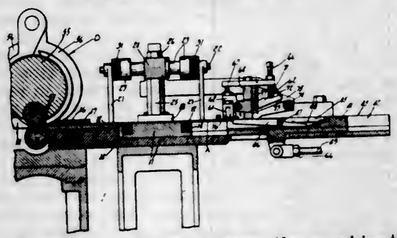
1. In a universal joint of the four trunnion type, a trunnion bearing assembly comprising a member having a recess of substantially cylindrical character extending longitudinally of the joint axis and which is open at one end and which terminates in a bottom surface adapted to engage a ball, that side of the member next to the joint axis having a slot which opens to the recess, a trunnion projecting through the slot and into the recess, a ball member disposed in the recess and having an opening receiving the trunnion, and a second member releasably fastened on the first member over the open end of the recess and holding the ball against the bottom surface of the recess, the cylindrical part of said recess extending longitudinally beyond both sides of the ball center so that a portion of said cylindrical part is between the bottom surface and the ball center.

2,270,281
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Original application August 17, 1940, Serial No. 353,016. Divided and this application May 26, 1941, Serial No. 395,213
7 Claims. (Cl. 64—17)



1. In a universal joint of the four trunnion type, a trunnion bearing assembly comprising a member having a recess, a trunnion projecting into the recess, a ball member in the recess and having a diametrically extending bore receiving the trunnion, and rollers within said bore and around the trunnion, said ball member comprising two separate, complemental frusto-spherical parts, one part having said bore extending entirely therethrough and the other constituting a closing wall for the end of the bore at the outer end face of the trunnion.

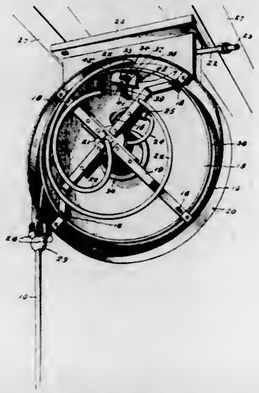
2,270,282
CAN MAKING MACHINE
Philip E. Eckman, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 2, 1940, Serial No. 327,505
5 Claims. (Cl. 209—88)



1. In a can making machine, the combination of feeding devices for advancing individual can body blanks along a predetermined path of travel in a continuous procession, cross feed devices for feeding the blanks along a different path of travel, detector instrumentalities adjacent the

path of travel of the blanks for detecting double thickness of blanks in the procession, and means operable by said detector instrumentalities for depressing said cross feed devices beneath said detected double thickness of blanks thereby rendering said cross feed devices ineffective for feeding purposes to permit ejection of said double thickness blanks from the procession while maintaining the feeding devices in full operation.

2,270,283
ONE-WAY STOP MECHANISM
Arno A. Ewald, Oakfield, Wis., assignor to Romort Manufacturing Company, Oakfield, Wis.
Application June 19, 1941, Serial No. 398,835
5 Claims. (Cl. 192—7)



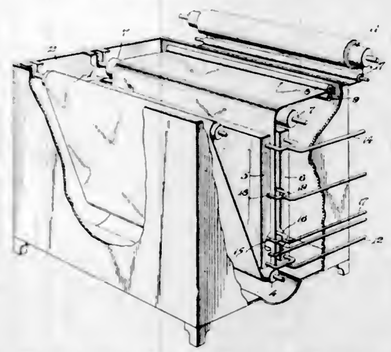
1. In a one-way stop mechanism for a member movable in opposite directions with respect to a fixed member; a stop fixed to one of said members; a movable stop and means slidably and tiltably mounting it on the other of said members in such position that the two stops may pass each other, the sliding of said movable stop being substantially unidirectional with the line of movement of said movable member, and the tilting of said movable stop being transverse to said line of movement; and spring means acting on said movable stop for tilting said movable stop in one direction to one oblique position when said movable stop is slid in one direction, and for tilting said movable stop in the other direction to a second oblique position when said movable stop is slid in the other direction; means for so limiting said tilting that one end of said movable stop is positioned to strike said fixed stop when said movable stop occupies said one oblique position, and the other end of said movable stop is positioned to strike said fixed stop when said movable stop occupies said second oblique position, whereby said fixed stop will slide said movable stop in one direction, in readiness for said spring means to act, as said movable member is moved in one direction and will slide said movable stop in the other direction, in readiness for said spring means to act, as said movable member is moved in the other direction; one end of said movable stop being provided with a detent which engages said fixed stop and arrests tilting of said movable stop under the influence of said spring means when said movable stop is slid in said other direction by striking said fixed stop, the other end of said movable stop being devoid of any corresponding detent and thus permitting said movable stop to tilt under the influence of said spring means when said movable stop is slid in said one direction by striking said fixed stop, said detent being releasable from said fixed stop by slight movement of said movable member reversely from the direction of movement which engaged said detent with said fixed stop, whereby said spring means may then tilt said movable stop from engagement with said fixed stop.

2,270,284
UTILITY STAPLE
Alfred G. Faggard, Mansfield, La.
Application August 31, 1940, Serial No. 355,050
1 Claim. (Cl. 85—49)



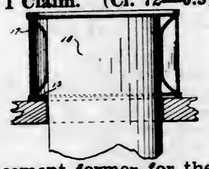
A staple comprising a body portion formed of a length of sheet metal material substantially long, spaced prongs formed integral with the body portion and being extended downwardly at right angles with respect to the upper surface of the body portion, the portion of the length of sheet metal material between the prongs being extended upwardly in a direction opposite to the prongs, providing an ear, an upstanding ear formed integral with the edges of the length of sheet metal material, directly opposite to the first mentioned ear, providing a pair of spaced retaining ears, of lengths appreciably less than the lengths of the prongs, and said ears adapted to be pressed toward each other frictionally engaging a length of material positioned between the ears.

2,270,285
IMPREGNATED FABRIC
Per K. Frolich, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1938, Serial No. 248,793
2 Claims. (Cl. 91—68)



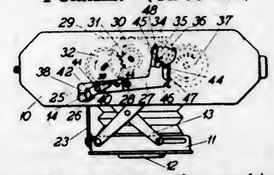
1. The process of producing a high molecular weight heteropolymer of isobutylene and butadiene in the interstices of a fabric which comprises the steps of charging the fabric with a mixture of isobutylene and butadiene, and treating the charged fabric with a Friedel-Crafts type catalyst at a temperature below —10° C., thereby polymerizing the mixture of isobutylene and butadiene to a high molecular weight polymer in the interstices of the fabric.

2,270,286
EMPLACEMENT FORMER
Fred Gerriets, Alexandria, Va., assignor to Charles B. Broome, Washington, D. C.
Application June 7, 1940, Serial No. 339,373
1 Claim. (Cl. 72—0.5)



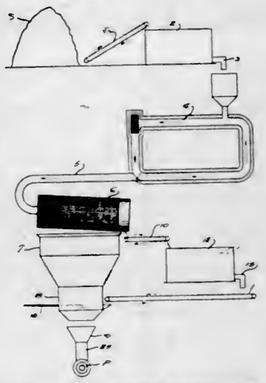
An emplacement former for the purposes described, consisting of a case having a side wall, a bottom flange thereon projecting a distance inwardly from the wall for the purposes described, and a top removable closure initially fixed on the side wall, a pipe centering device within the case consisting of a plurality of bowed springs having their ends set respectively against the flange and top wall immediately adjacent the side wall, said springs positioned to engage an inserted pipe in opposing relation to each other and having their central bowed parts extended initially inward beyond the geometrical longitudinal projection of the inner edge of said flange.

2,270,287
ROLL FILM CAMERA
Leo Goldhammer, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application August 30, 1939, Serial No. 292,648
In Germany November 6, 1936
4 Claims. (Cl. 95—32)



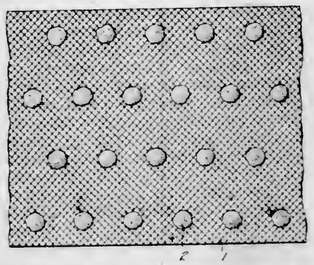
1. In a rollfilm camera, the combination comprising a slidable shutter release pin having an inclined cam surface and a locking notch, a film feeding device having a control wheel, and a two-armed lever mounted between said release pin and control wheel, one arm of said lever bearing against said cam surface whereby operation of said release pin moves said lever to one position, said first arm having a pawl member pivotally mounted thereon, a spring urging said pawl toward said release pin for engaging said locking notch and preventing a second operation of said release pin only while the two-armed lever is in its first position, said pawl engaging the release pin and being rotated thereby with respect to said lever against the tension of said spring as the lever is moved by the cam surface to its first position, said pawl then snapping into the locking notch when said notch reaches a position opposite the pawl, said control wheel and the other arm of said lever having interengaging means whereby operation of the feeding device moves said lever to a second position retracting said pawl from said notch and permitting a new operation of said release pin, means on said lever for locking said control wheel and film feeding mechanism throughout the time when said lever is in its second position, and means for holding said lever in its first position until said film feeding device is operated.

2,270,288
STRAW BRIQUETTE AND ITS METHOD OF MANUFACTURE
Worth C. Goss, Seattle, Wash.
Application March 11, 1939, Serial No. 261,282
4 Claims. (Cl. 44—10)



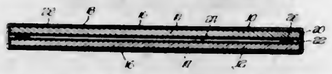
1. The method of making briquettes from straw characterized by its sleek, glazed surfaces, which comprises effecting a quick drying of the straw by subjecting it to heat, reducing it by pulverization while hot to a condition to include a preponderance of dust and eliminating the sleek, glazed surfaces, reducing the heat by an application of water to hydrate the material to substantially balance normal atmospheric conditions, then compressing the material into unity.

2,270,289
METHOD OF PRODUCING FINISHED FABRIC
Clarence T. Graham, North Attleboro, Mass., assignor to William H. Bannon, Mansfield, Mass.
Application August 29, 1938, Serial No. 227,436
10 Claims. (Cl. 8—115)



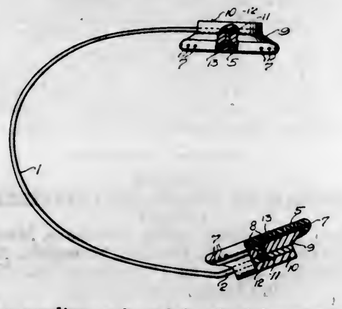
1. The method of treating cotton fabric that includes an open mesh ground and spaced groups of yarn or roving fibers engaged with the ground and having free ends extending away from the obverse side of the ground and bight portions engaged with certain of the threads of the ground to produce a fabric having a "permanent finish" ground and "unfinished" groups of fibers on the obverse side of the ground, which includes the steps of: subjecting the ground to successive treatments of acid and alkali capable of producing a permanent relatively transparent and stiff finish, and arresting the actions of said acid and alkali before the character of the free ends of the fibers is affected by rendering said acid and alkali chemically inactive in situ.

2,270,290
PRESSING DEVICE
Virginia D. Graham, Evanston, Ill.
Application October 26, 1938, Serial No. 237,076
3 Claims. (Cl. 38—71)



2. In a device of the character described, the combination of a pair of shaped, flat members, each member being formed of substantially rigid cardboard, each member being covered with "Leatherette," the covering of each board extending across the outer face of said board and being flanged adjacent each edge of the board, the flanges being folded over the edges and secured to the inner face, an inner covering member being secured on the inner face of the board and overlapping and secured to the flanges, and elastic means for urging said members toward each other for the purpose set forth.

2,270,291
TRUSS
John D. Grey, Dallas, Tex.
Application June 15, 1940, Serial No. 340,731
2 Claims. (Cl. 128—108)



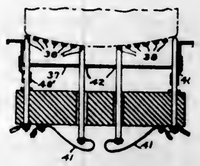
1. An appliance for abdominal hernia including a spring support having transverse recesses adjacent its ends, resilient pads adapted to be connected to the ends of said support, each comprising a hollow body having a flexible, inwardly directed feather edged flange and provided with equi-distantly spaced passages and corrugations therethrough and parallel with its operative surface and apertures effecting communication between said passages and operative surface, a retaining disc receivable in the hollow of said body, a boss integral with and offset relative to the center of said disc for receiving the ends of said spring support and a threaded protuberance entering said boss and receivable by a recess of said support end for constraining said disc to oscillate in an arc to a predetermined degree.

2. A truss comprising a spring support having transverse grooves providing recesses adjacent its ends, pad retaining elements having bosses whose longitudinal axes are offset relative to the center of said elements and bored to receive the ends of said spring support, screws in said bosses having protuberances entering the recesses of said support ends for limiting the rotative movement of said elements relative to said spring support to a predetermined degree, resilient pads having flexible, annular and feather-edged flanges whereby said pads will be removably mountable on said elements, each pad comprising a body having interiorly disposed corrugations on its inner surface parallel with each other and with the operative surface thereof and terminating in apertures in the walls of said body, said corrugations further having connecting perforations extending through the effective surface of said disc.

2,270,292
PROCESS FOR PRODUCING A MONO-HYDROCARBON ALUMINUM DIHALIDE
Aristid V. Grosse, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 21, 1938, Serial No. 197,236
6 Claims. (Cl. 260—448)

1. A process for producing a catalytic compound which comprises reacting a hydrocarbon halide with metallic aluminum thereby forming a di-hydrocarbon-aluminum-mono-halide, and reacting the last-named compound with a sufficient quantity of an aluminum tri-halide to convert it into a mono-organo-aluminum-di-halide, the halogen of said halides being selected from the group consisting of chlorine, bromine and iodine.

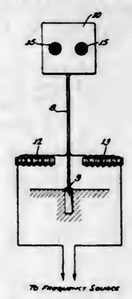
2,270,293
ELECTRIC COOKING PLATE
Maynard S. Grunder, Puyallup, Wash.
Application September 7, 1938, Serial No. 228,781
3 Claims. (Cl. 219—37)



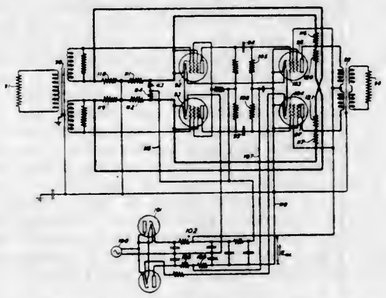
1. In an electric cooking unit for use with cooking utensils having bulging bottoms, an electric heating element shielded within a yieldingly self supporting resilient tube that is coiled in a substantially flat helix; and means rigidly supporting the peripheral portion of said helical tube leaving the central portion thereof self supported through its connection with the peripheral supporting means and free to yield to pressure, the resiliency of said helical tube rendering the central portions thereof depressible by a cooking utensil with a bulging bottom, whereby said helical tube will maintain contact with the bulging bottom of the utensil substantially from the center to the periphery thereof.

2,270,294
INDICATING APPARATUS
Walter Scott Hall, Jr., Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1939, Serial No. 267,766
4 Claims. (Cl. 88—14)

1. A vibration indicator comprising a vibratory reed and a flag mounted on said reed, said flag having a flat surface adapted to be vibrated in the plane of said surface, said surface having a marking thereon contrasting with said surface and of a shape such that the dimensions thereof in directions at right angles to each other are substantially equal, said marking being positioned on said surface so that its longest dimension is parallel to the direction of vibration of said surface.



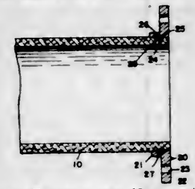
2,270,295
AMPLIFIER
John B. Harley, Valley Stream, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1940, Serial No. 316,913
10 Claims. (Cl. 179—171)



1. In combination, an amplifier having an input circuit including a source of signals and an output circuit including an output impedance, a vacuum tube in the amplifier having a grid, an anode and a cathode, a source of direct current for the amplifier having noise components, connections from the source of direct current to the cathode and through the output impedance to the anode, a negative feedback circuit from the anode and cathode to a point in the amplifier between the tube and said signal source, whereby undesired noise components are fed back along with the signal currents and amplified to produce in the output impedance a noise level greater than would exist in the absence of feedback, and means for impressing on the grid of the tube noise potentials from the current source equal in magnitude but opposite in phase to the noise components impressed thereon by the feedback circuit.

2,270,296
PIPE COUPLING
Ralph B. Henning, Alpena, Mich.
Application May 6, 1940, Serial No. 333,658
2 Claims. (Cl. 285—112)

1. A new article of manufacture comprising, in combination, a fiber-cement pipe section, metal couplings permanently secured to the ends of said pipe section for attachment to adjacent pipe sections or standard fittings, said couplings comprising metal sleeves surrounding the ends of said pipe sections and permanently sealed thereto, and integral, radially extending standard metal coupling flanges on the outer ends of said sleeves.



2,270,297
CONSTRUCTION OF HEATERS
Walter C. Hensel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 5, 1939, Serial No. 271,901
7 Claims. (Cl. 72—101)



4. A furnace roof comprising, in combination, spaced metal beams, auxiliary metal members disposed transverse to and depending from said beams, metal sheets disposed beneath and attached to said auxiliary members by means of clips disposed along edge portions of the sheets, a substantial thickness of insulating material covering the under-face of said sheets and anchored thereto by members protruding from the sheets and at an angle thereto into the insulating material and covered by the latter and a thinner layer of refractory material applied directly and bonded to the under-surface of said insulating material.

2,270,298
SHOE CLEANER AND COLOR STRIPER
William Edward Hight, Bayonne, N. J.
Application December 9, 1939, Serial No. 308,329
1 Claim. (Cl. 15—210)



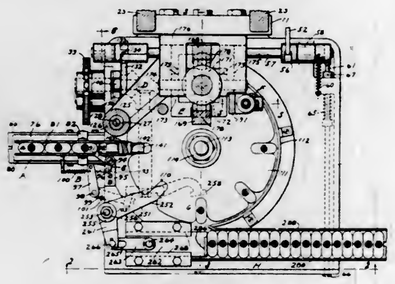
In a shoe cleaner and striper of the character described, the combination of an elongated body member having a head on one end and having a transverse groove in one face of said head; an applicator pad removably fastened to said head; a double ended bowed leaf spring fastened at its center longitudinally on said body member, and a double ended plate member, one end of which in operative position engages a side of said pad so as to form a guiding member for said pad

and the other end of which engages the adjacent end of said leaf spring, said plate having a centrally located looped portion on one side suitable for engagement in said transverse groove, said plate member being assembled to the body member in such a way as to be slidable along said body member from said one end to the other and being positionable in inoperative position between the ends of said spring and said head on the end of the body member being shaped so as to prevent the removal of the guiding member thereover.

2,270,299
GEOCHEMICAL PROSPECTING
Leo Horvitz, Houston, Tex., assignor to Esme E. Rosaire, Houston, Tex.
No Drawing. Application March 23, 1939, Serial No. 263,669
7 Claims. (Cl. 23—232)

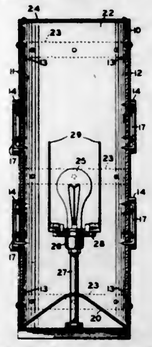
1. In the method of geochemical prospecting in which samples of soil gas obtained from spaced points in an area to be explored and analyzed for their content of hydrocarbons and derivatives thereof which constitute indications of leakage from subterranean petroliferous deposits, the step of securing the gas samples by treating the soil with an acid capable of disintegrating the carbonates therein, whereby entrained constituents are evolved in gaseous form.

2,270,300
MACHINE FOR ASSEMBLING SPOUTS TO CONTAINERS
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1939, Serial No. 267,481
11 Claims. (Cl. 29—33)



1. In a machine for assembling soft metal spouts to cup-shaped neck portions of containers in leak-proof joints, the combination of means for progressively conveying the containers and spouts in loosely assembled relation to a plurality of spaced operating stations, means for successively advancing the containers and spouts while in such loosely assembled relation into said conveying means, and devices at one of said stations and cooperating with said conveying means for successively engaging and operating on said cup-shaped neck portions of the containers and adjacent portions of the spouts seated therein and which enter into the joint, by simultaneously bending the walls of said neck portions inwardly over the base of said spouts while reshaping and flowing the soft metal of the spout bases to securely interlock such joint portions.

2,270,301
ILLUMINATED SIGN
Paul J. Howe, Ridgewood, N. J., and Clement H. Wyss, Jr., New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 26, 1938, Serial No. 204,280
3 Claims. (Cl. 40—132)



1. An illuminated sign comprising two translucent panels arranged in spaced relation, a plurality of luminous tubes positioned on the outwardly facing surfaces of said panels and arranged to delineate sign characters, and means for uniformly illuminating said panels, said means comprising a plurality of reflecting surfaces disposed intermediate said panels and including a pair of inwardly facing unilaterally concave members disposed adjacent to a pair of opposite edges of said panels, a ridged member and a plane member disposed adjacent to another pair of opposite edges of said panels, a plurality of sources of light located intermediate said panels adjacent said concave members, and serrated light distributing members interposed between said light sources and said panels.

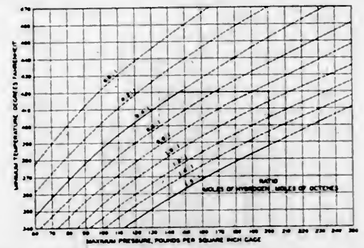
2,270,302
MANUFACTURE OF HYDROCARBONS
Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 16, 1936, Serial No. 105,930
2 Claims. (Cl. 260—683)

1. In the polymerization of an olefinic mixture containing isobutene and propene in the presence of solid phosphoric acid catalyst, the method of producing high yields of isoheptenes which comprises subjecting the olefinic mixture to the action of the solid phosphoric acid catalyst at a temperature of the order of 200 to 325° F. and under a pressure of about 500 to 600 lbs. per square inch whereby to effect mixed polymerization of isobutene and propene as the primary reaction in the process.

2,270,303
HYDROGENATION OF HYDROCARBONS
Vladimir N. Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 25, 1938, Serial No. 192,595
2 Claims. (Cl. 260—676)

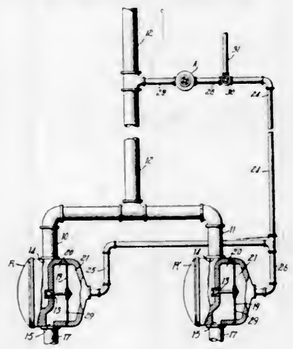
1. A continuous process for the hydrogenation of octenes which comprises subjecting the vapors of said octenes in admixture with a molal excess

of free hydrogen of less than 60% to contact with catalytic material comprising approximately 62% nickel, 4% oxygen combined in nickel oxide, 6% graphite, and 28% kieselguhr at temperatures



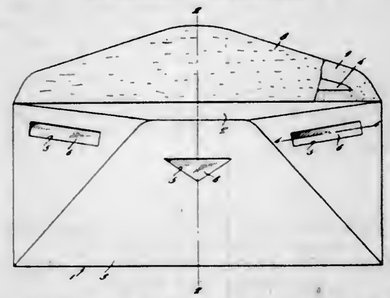
within the range of 170–215° C. under pressure of from atmospheric to 200 lbs. per square inch and times of contact corresponding to liquid space velocities of approximately four per hour.

2,270,304
GAS REGULATION AND PRESSURE CONTROL APPARATUS
Wilgot J. Jacobsson, Plainfield, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application December 17, 1938, Serial No. 246,331
4 Claims. (Cl. 137—78)



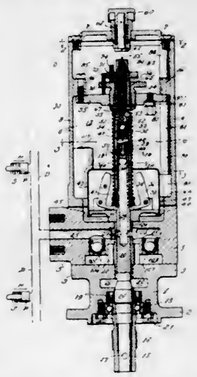
3. Apparatus for supplying and controlling the flow of gas to a plurality of points of use, comprising a main gas supply line; a branch supply line leading from said main supply line to each of said points of use; a diaphragm-controlled regulator in each of such branch lines; an auxiliary gas line connected with a source of gas pressure and having a branch leading to each of such regulators; means controlling the gas pressure in said auxiliary line, each of said regulators being so constructed and arranged that the diaphragm thereof is subject on one side to the pressure of the gas discharging from such regulator and subject on the opposite side to the gas pressure in said auxiliary line; an exhaust line; valve means for selectively connecting said auxiliary line with said exhaust line or with the source of gas pressure to which said auxiliary line is connected; and each of said regulators having bleeder means to effect the drainage of gas from said points of use when said valve means connects said auxiliary line and said exhaust line for effecting withdrawal of gas from said auxiliary line through said exhaust line.

2,270,305
ENVELOPE
Christian Niels Juul, Highwood, Ill.
Application April 17, 1940, Serial No. 330,187
4 Claims. (Cl. 229—81)



1. An envelope comprising a front and a back, said back having a plurality of openings therein, sheets of tacky material mounted on the inside of the back behind the openings, a closure flap on the front, and a sheet of comparatively delicate, absorbent material secured on the closure flap for swinging movement therewith and engageable with the tacky sheets through the openings for securing said flap in closed position, and resilient spacer elements interposed between said sheets of tacky material and said back in the regions of said openings yieldably spacing said tacky sheets from the openings.

2,270,306
GOVERNOR
Albert Kalin, Cleveland, Ohio
Application December 30, 1940, Serial No. 372,271
17 Claims. (Cl. 264—3)

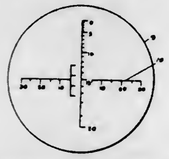


2. In an overspeed governor of the type described, a rotary fluid pump adapted to be driven by a rotary part of a machine to be governed, delivery duct means for the pump including relatively slidably telescoping elements intercommunicating in a manner to provide a normally open by-pass valve for normally discharging the output of the pump idly, one of said relatively telescoping elements being drivingly connected with an element of the rotary pump, centrifugally operable means driven by and acting on said one of the telescoping elements to close the valve when the governed machine overspeeds, and means acting on the other of said relatively tele-

scoping elements to hold the same against rotation.

10. In an overspeed governor, a hydraulic fluid pump, conduit means connected with the pump and arranged normally to discharge the fluid output of the pump in a closed hydraulic circuit which includes the pump, said conduit means having a valve thereon, centrifugally operable means arranged to operate the valve to block said circuit when overspeeding occurs and normally to maintain the circuit unblocked, and a releasable check valve mechanism constituting a hydraulic latch for holding the valve in circuit blocking position.

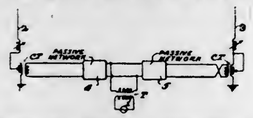
2,270,307
DETECTOR FOR INVISIBLE RADIATION
James C. Karnes, Buffalo, N. Y.
Application May 21, 1940, Serial No. 336,412
5 Claims. (Cl. 250—71)



(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an optical instrument a reticle of substantially non-self-luminous fluorescent material capable of detecting the presence of invisible radiation within the normal visible field of view of said instrument.

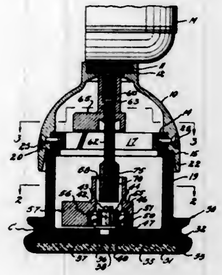
2,270,308
ELECTRICAL CONTROL SYSTEM
Frank G. Kear, Washington, D. C.
Application November 1, 1933, Serial No. 696,209
13 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. An electrical system comprising a source of power and a plurality of loads of variable parameters, each of said loads being connected to said source by a transmission line, and passive networks connected in each of said transmission lines, each of said passive networks being so designed as to make the electrical length of the transmission line in which it is connected such that the transfer impedance of each network will be equal to the impedance of the load connected thereto.

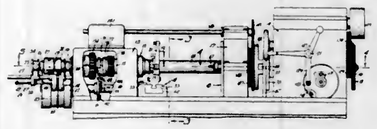
2,270,309
RUBBING MACHINE
Ottmar A. Kehle, West Los Angeles, Calif., assignor, by mesne assignments, to Sterling Tool Products Co., Chicago, Ill., a corporation of Illinois
Application September 17, 1940, Serial No. 357,135
3 Claims. (Cl. 51—170)

1. In a rubbing device, a base including operating means, a rubbing pad, a flexible wall spacing the rubbing pad from and suspending it below the base, an eccentric weight rotatably mounted on the rubbing pad, a shaft member operatively connecting the operating means to



the eccentric weight, and a second eccentric weight secured to said shaft member and spaced above the first-mentioned eccentric weight.

2,270,310
MACHINE TOOL
Elmer E. Kelley, Windsor, Vt.
Application June 1, 1938, Serial No. 211,229
37 Claims. (Cl. 29—53)

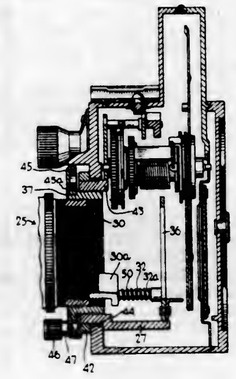


1. In a machine of the character described, in combination, a plurality of work spindles rotatable on fixed axes, a plurality of tools of different character, drive means operable to effect rotation of the work spindles at a plurality of speeds, tool feeding means controlling the positions of the tools relative to the spindles whereby the tools operate successively on the work in each of the respective spindles, and automatic means for selecting said speeds having an operative connection with said tool feeding means.

2,270,311
CAMERA
George Kende, New York, N. Y., and Philip J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Original application December 13, 1938, Serial No. 245,424. Divided and this application July 10, 1940, Serial No. 344,680
6 Claims. (Cl. 95—45)

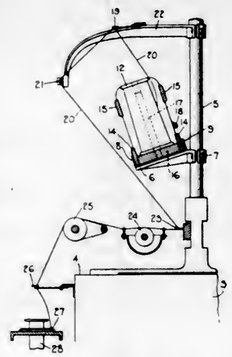
1. In a camera of the character described, the combination of a casing having an opening, a mounting member within said casing and having a tubular portion thereof projecting through said opening, an inner sleeve having a lens assembly mounted thereon for movement therewith, said sleeve being provided with an outside thread, a pair of sleeve posts fixedly supported by said

mounting member, said inner sleeve being slidable on said sleeve posts, said tubular projecting portion being screw threaded on the inside and on



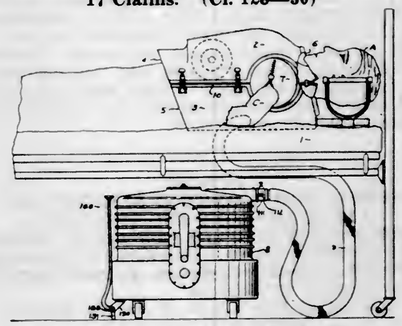
the outside thereof, and a threaded clamp ring cooperating with said outside threaded tubular portion to maintain the mounting member fixed to said casing.

2,270,312
YARN PACKAGE HOLDER
James Joseph Kloran, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 11, 1939, Serial No. 261,161
4 Claims. (Cl. 242—131)



1. An attachment for a textile machine having spaced standards, said attachment comprising brackets carried by said standards and spaced angle-irons mounted on said brackets forming a trough-like platform extending longitudinally across said textile machine, and a container within said platform, said container having spindles for supporting yarn packages, the construction and arrangement of said trough-like platform being such that the container may be readily and easily placed in position thereon and removed therefrom, and held against transverse movement while on said platform without the container being positively attached thereto.

2,270,313
THERAPEUTIC METHOD AND APPARATUS
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 13, 1938, Serial No. 213,330
17 Claims. (Cl. 128—30)



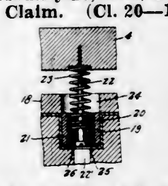
1. A device for enclosing and effecting a seal with an appendage of a person comprising a sleeve having a bellows portion of alternately increasing and decreasing cross sectional area and a flexible tapering portion for closely embracing the appendage, the tapering portion having a substantially longitudinally extending slit, and means for progressively drawing together and fastening the edges of the slit.

2,270,314
CORNER REFLECTOR ANTENNA
John D. Kraus, Ann Arbor, Mich.
Application January 31, 1940, Serial No. 316,625
6 Claims. (Cl. 250—11)



1. A corner reflector antenna including a pair of plane wave reflecting members arranged to intersect at an angle, said members having a length and width of the order of six-tenths of an operating wave length, means for adjusting said angle to a predetermined value of not more than 90°, and an antenna located between said members and at a distance from said intersection substantially less than the distance from said intersection to the opening of said members.

2,270,315
WINDOW
Carl F. Krueger, Detroit, Mich.
Application February 16, 1940, Serial No. 319,361
1 Claim. (Cl. 20—12)



A metal weather-strip and guide for attachment to the side stile of a window frame to seal

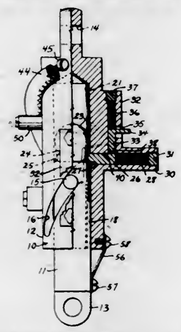
and guide the stile edge of a sash having a vertical groove in said edge, said strip comprising a transversely square hollow rib extending outwardly along the same centrally thereof for fitting in said groove and having an open rear side, flat sash engaging portion upon opposite sides of said rib, and means to attach said strip to said stile in upright position for yielding movement toward said stile comprising bushings secured in said rib and spaced apart lengthwise thereof, axially bored plugs threaded into said bushings, screws slidably extended through said plugs, and coil springs surrounding said screws and bearing against said plugs and stile.

2,270,316
FINISH FOR WORKING SURFACE OF LAUNDRY IRONS AND THE LIKE
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application July 7, 1941, Serial No. 401,354
5 Claims. (Cl. 38—93)



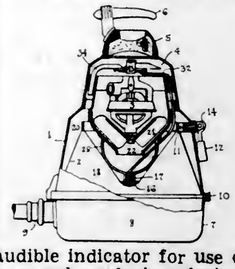
3. In a laundry iron, a sole plate having a non-mirror-like working surface with parallel microscopic lines therein extending longitudinally of the iron.

2,270,317
AUTOMATIC RELEASE COUPLING
Frederick Nelson Larson, United States Navy
Application August 20, 1941, Serial No. 407,588
20 Claims. (Cl. 294—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An automatic load releasing coupling comprising a bored socket means and a plunger means extendable into the bore of said socket means, a terminal means on each of said socket means and said plunger means, one of said terminal means being adapted to be secured to a load and the other of said terminal means being adapted to be secured to a suspending means, longitudinal slot means extending into said socket means from the bored end thereof, hooked slot means in said socket means connecting to said longitudinal slot means at a point spaced from the end of said socket means, means extending from the side of said plunger means adapted to travel along said slot means, said extending means holding said plunger and socket means in assembled relation while it is in said hooked slot means and means preventing said plunger from moving in said socket until a predetermined stress thereon is exceeded, said preventing means including a visible safety indicating member.

2,270,318
VACUUM CLEANER PNEUMATIC ANNUNCIATOR
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application July 11, 1938, Serial No. 218,647
1 Claim. (Cl. 116—67)



In an audible indicator for use on a vacuum-cleaner, a sound-producing device operated by air supplied by the differential in pressure between the inlet and outlet sides of the air impeller of said cleaner and having means responsive to a second pressure differential, that on opposite sides of the filter of said cleaner for controlling the flow of air through the said sound-producing device.

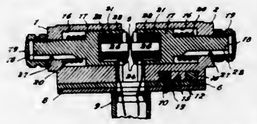
2,270,319
LUBRICANT AND METHOD OF PREPARING SAME
Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 16, 1940, Serial No. 345,856
5 Claims. (Cl. 252—56)

1. A lubricant consisting essentially of a waxy lubricating oil and not more than 5% of tall oil.

2,270,320
MAGNETIC HEAD FOR ELECTROMAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS
Giovanni Liguori, Rome, Italy
Application May 18, 1939, Serial No. 274,399
In Italy June 30, 1938
2 Claims. (Cl. 179—100.2)

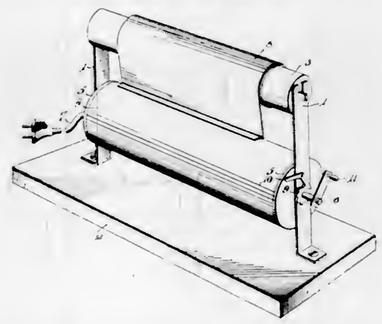
1. In an electromagnetic sound recording and reproducing device a magnet head arranged to contact a movable magnetizable recording element, such as a steel wire, said head comprising a support provided with a longitudinal hole directed vertically to and open toward the recording element and a unit slidably arranged in said hole, said unit comprising a member fitting a part

of said hole adjacent to its opening and spaced from the remaining part of said hole, springy means arranged in said space between said support and said member for pressing the latter against the recording element, said member provided with a hole open toward the recording element, a rigid electro-magnet structure comprising a coil and a core spacedly arranged within



said latter hole, and a rigid cover of non-magnetic material, as exemplified by hard stone, for said latter hole fixedly attached to said member and projecting from said support for contacting with its outer surface the recording element, said core rigidly seated in and passing through said cover to its outer surface so as to contact the recording element.

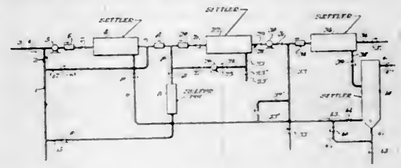
2,270,321
PRINT DRIER
Parker M. Lott, Warren, Pa.
Application April 25, 1939, Serial No. 269,935
4 Claims. (Cl. 219—19)



1. In a print drier, the combination of a rotatable electrically heated cylindrical drum, a porous cloth strip adapted to engage about the surface of the drum so as to engage a print between the same and the drum, means for rotating the drum and simultaneously winding the cloth strip thereabout for engagement of the print in drying position, releasable means for holding said drum in drying position to which rotated, and spring means tending normally to unwind the cloth strip from the drum.

2,270,322
PROCESS FOR SWEETENING HYDROCARBON DISTILLATE
Charles Doak Lowry, Jr., Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 31, 1939, Serial No. 276,606
6 Claims. (Cl. 196—33)

1. A sweetening process which comprises treating sour hydrocarbon distillate with plumbite solution to convert mercaptans to lead mercaptides, separating unconsumed plumbite solution from the resultant mercaptide-containing distillate, combining with the latter additional sour distillate, adding sulfur to the mixture to convert the lead mercaptides to lead sulfide, and



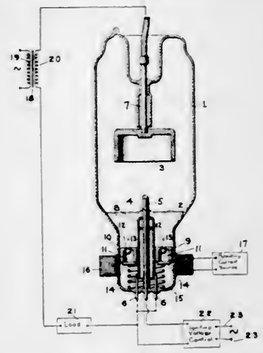
then washing the mixed distillates with water to separate the lead sulfide.

2,270,323
POLYVINYL ALCOHOL HAVING HIGH BIREFRINGENCE
Edwin H. Land, Boston, and Cutler D. West, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application May 4, 1939, Serial No. 271,816
5 Claims. (Cl. 88—65)



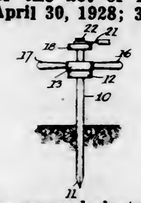
1. A sheet of polyvinyl alcohol having birefringence greater than .03 and having its molecules oriented to substantial parallelism.

2,270,324
IGNITING ELECTRODE ARRANGEMENT AND METHOD
Laurence K. Marshall, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 21, 1939, Serial No. 257,645
15 Claims. (Cl. 250—27.5)



1. The method of operating an arc discharge device of the type having a liquid pool cathode, and igniting means of the electrostatic type comprising an electrode adjacent the surface of said cathode and separated therefrom by an insulating wall, which comprises producing relative motion between the cathode liquid and said insulating wall at the surface of said cathode in a direction substantially parallel with the surface of said insulating wall during the passage of the discharge from said cathode.

2,270,325
AUXILIARY ELECTRODE FOR GROUND RESISTANCE MEASUREMENT
Norris Whitney Matthews, Caldwell, Ohio
Application January 18, 1941, Serial No. 375,090
3 Claims. (Cl. 174—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

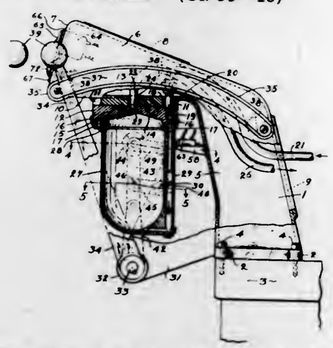


1. An auxiliary ground electrode adapted to be inserted in the earth to the proper depth for testing ground resistance and then removed after the test is completed, said electrode comprising a shank having a lower portion adapted to be inserted in the earth and having an upper portion adapted to protrude above the surface of the earth, anvils spaced along the upper portion of the shank and fixed in position thereon, said anvils having opposed substantially radially disposed impact receiving surfaces extending around the shank for transmitting a substantially axial thrust thereto when impacted, and an annular hammer disposed about the shank between said anvils for selectively impacting the latter.

2,270,326
MANUFACTURE OF REACTIVE FORMS OF CELLULOSE AND THE LIKE
Clemmy O. Miller, Milwaukee, Wis., and Arthur E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application January 30, 1932, Serial No. 589,974. Divided and this application March 29, 1939, Serial No. 264,859
26 Claims. (Cl. 260—212)

1. In the preparation of reactive carbohydrates, the improvement which comprises treating a carbohydrate with an earth alkali metal dissolved in liquid, anhydrous ammonia.

2,270,327
METHOD AND APPARATUS FOR COOKING FOODS
John Mills and Charles W. Lang, Philadelphia, Pa.
Application February 3, 1938, Serial No. 188,590
9 Claims. (Cl. 53—15)

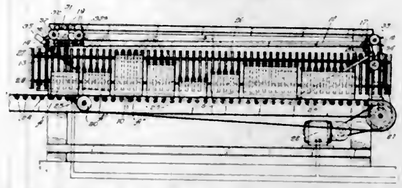


1. In a device of the class described, a support, a head carried by the support and a source of steam connected thereto, a vessel, an operating lever and a yoke carried by the support and a linkage connected to the yoke and vessel and operable by the yoke and lever to engage the vessel with the head and to lower the vessel from the head and to tilt the vessel to discharge its contents.

2,270,328
PREPARATION OF LEVULINIC ACID
Wendell W. Moyer, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application March 27, 1940, Serial No. 326,248
8 Claims. (Cl. 260—528)

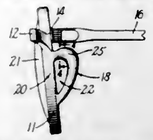
3. In the production of levulinic acid, the steps which comprise subjecting a reaction mixture of a dextrose-producing carbohydrate and hydrochloric acid to heat and pressure to produce a conversion of said carbohydrates to levulinic acid and humin type compounds, and subjecting the mixture to sufficient mechanical agitation during the conversion reaction to produce a granular type of humin compound.

2,270,329
CARTON SEALING MACHINE
Morris P. Neal, Quincy, Ill.
Application September 5, 1940, Serial No. 355,505
21 Claims. (Cl. 93—6)



1. A machine of the character described, including: means for advancing a carton into the machine; a series of vertically movable pressure members; means for advancing said pressure members at the same rate as a carton, whereby said pressure members rest upon the flaps of said carton and apply pressure thereto; and means for returning the pressure members from the discharge end of the machine to the receiving end.

2,270,330
EYEGLASS CONSTRUCTION
Frank J. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application November 25, 1940, Serial No. 366,966
1 Claim. (Cl. 88—48)



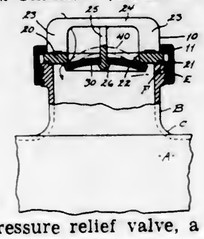
In eyeglass construction, in combination, a pair of plastic rims, a non-metallic bridge connecting said rims, the lower portions of the inner edges of said rims slanting downwardly and outwardly whereby they are adapted to fit the nose of a wearer, and a pair of plastic members secured to the rear surface of said frame and extending rearwardly therefrom, said members having their substantially flat inner surfaces positioned in the same planes as the inner edges of said rims, said members having a pair of openings therein of substantially a tear-drop shape which extend substantially throughout the lengths of said members, said openings having their large ends positioned adjacent the upper ends of said members, said members having sections in the upper rear portions thereof of substantially larger area than the other portions of said members so that the greatest weight of the frame is carried by that portion of the nose adjacent the eye socket, said members having their inner edges adjacent the upper ends of the openings therein outwardly beveled.

2,270,331
PIN HOLDER
Ross Noble, Cleveland, Ohio
Application April 14, 1941, Serial No. 388,553
1 Claim. (Cl. 211—13)



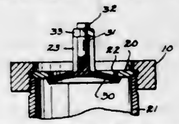
A holder for metallic articles, comprising an upright including a tubular lower section, legs formed on and depending from the lower section, an upper section telescopically mounted in the lower section for adjusting the height of the upright, means for holding the upper section in adjusted positions, said upper section having a reduced upper end providing a shouldered recess, a magnetic ring for holding said articles and having a portion of its periphery mounted and secured in the recess against the shoulder for disposal of the ring in a horizontal position laterally of the upright, and said ring being rectangular in cross section to provide flat upper and lower faces and vertically straight inner and outer faces.

2,270,332
PRESSURE RELIEF VALVE
Henry C. Osborn, Jr., Cleveland Heights, Ohio, assignor to Glascote Products, Inc., Euclid, Ohio, a corporation of Ohio
Application February 21, 1940, Serial No. 320,167
12 Claims. (Cl. 137—53)



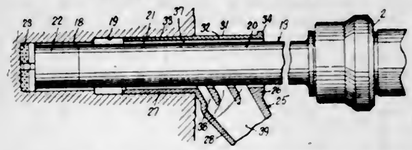
8. In a pressure relief valve, a disc having a valve opening, a valve stem extending axially toward the valve opening, means carried by the disc to support the valve stem, a resilient flexible valve disc slidably mounted on said stem and engaging one surface on the first named disc to close the opening therein, and wherein said valve disc is positioned eccentrically relative to said valve opening.

2,270,333
PRESSURE RELIEF VALVE
Henry C. Osborn, Jr., Cleveland Heights, Ohio, assignor to Glascote Products, Inc., Euclid, Ohio, a corporation of Ohio
Application August 2, 1940, Serial No. 349,468
14 Claims. (Cl. 137—53)



8. In a pressure relief valve comprising a valve member having a vale port opening, an imperforate pressure responsive member to close said opening, said member being arranged and adapted to open said port consequent upon either a predetermined increased or decreased pressure condition and to reseat itself following the release of one type of pressure condition and to remain unseated following the relief of the other type of pressure condition.

2,270,334
DRILLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 2, 1940, Serial No. 349,470
11 Claims. (Cl. 255—50)

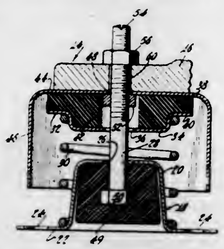


1. In a drilling apparatus including a rotary drill rod carrying a drill bit and means for supplying cleansing liquid to the bit to remove the cuttings from the bottom of the drill hole, means located at the mouth of the drill hole near the working face and surrounding the drill rod for intercepting the spray formed by the liquid thrown off by the drill rod, said spray intercepting means comprising bodily separable parts whereby the same may be removed laterally from the drill rod without removing the latter from the drill hole.

2,270,335
VIBRATION ISOLATOR
John S. Parkinson, North Plainfield, N. J., James Y. Dunbar, New York, N Y., and William A. Jack, 3rd, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 30, 1939, Serial No. 311,908
11 Claims. (Cl. 248—21)

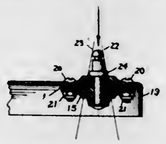
1. A vibration-isolating mounting comprising a bed plate, a load-bearing plate, spring means supporting the load-bearing plate from the bed

plate, a resilient compressible non-metallic member overlying said load-bearing plate and arranged to support a vibratory device, and



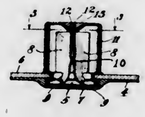
means for yieldingly restraining excessive oscillations of said spring means in both axial directions, said restraining means being supported beneath said bed plate.

2,270,336
VIBRATION ABSORBER
Charles L. Paulus, Dayton, Ohio
Application May 13, 1940, Serial No. 334,843
2 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



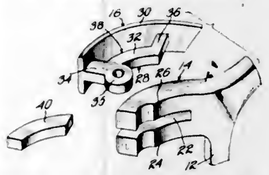
1. In a resilient mounting, a resilient member of rubber or like material having a centrally disposed load-supporting member secured thereto, a load-carrying member adapted to be marginally secured to the resilient member, means for securing the load-carrying member to the resilient member and comprising a clamping plate having a bell-shaped aperture, and means for adjustably clamping the marginal edge of the resilient member between the load-carrying member and the clamping plate whereby the initial area of the clamping plate in contact with the resilient member may be varied at will to change the ratio of shear stress and compression stress for different load conditions.

2,270,337
ELECTRICAL CONTACT ASSEMBLY
Louis Pensak, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 24, 1940, Serial No. 358,061
8 Claims. (Cl. 250—27.5)



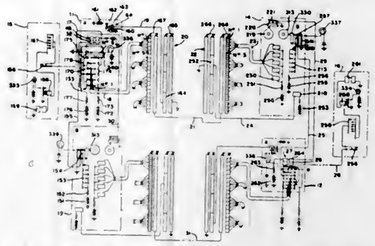
1. An electrical contact assembly comprising a recessed member provided with an overhanging rim, a pair of resilient members having projections extending under said rim and means to force said projections into contact with said rim.

2,270,338
EYEGLASS CONSTRUCTION
Axel Person, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application April 22, 1940, Serial No. 330,887
9 Claims. (Cl. 88—53)



2. In eyeglass construction, in combination, an eyeglass frame formed from material plastic in character, a metallic member embedded in said frame having an opening of substantial size formed therein, said material extending through said opening, a cover member secured to said metallic member and extending in a plane substantially vertical to the plane of said metallic member, said cover member being positioned externally of said non-metallic frame and contacting its front surface, and a temple secured to one of said members.

2,270,339
EXTENSION CIRCUIT SYSTEM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application August 25, 1938, Serial No. 226,729
38 Claims. (Cl. 178—52)

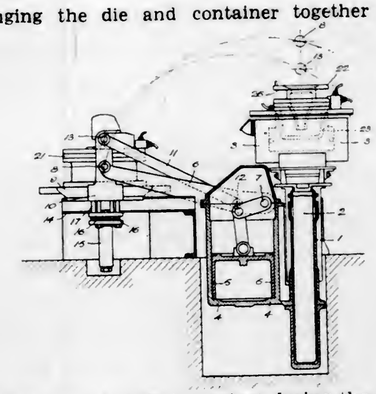


1. A method of transmitting a break signal in multiplex extension circuit operation which comprises transmitting a break signal in the form of a prolonged ultra-code signal, translating the ultra-code signal into a predetermined code signal of the code of communication code signals, and transmitting the selected code signal repeatedly.

2,270,340
APPARATUS FOR METAL CASTING
Percy Pritchard, Barnt Green, England
Application August 5, 1940, Serial No. 351,514
In Great Britain August 19, 1939
7 Claims. (Cl. 22—57)

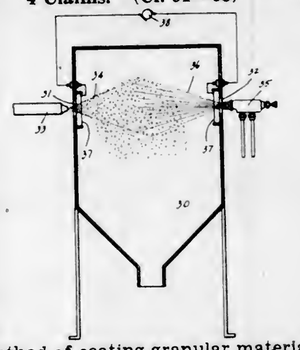
1. Apparatus for casting metals by fluid pressure comprising a container in which metal can be maintained liquid, means adapted to carry a die or part of a die, said means being movable from a position in which the die is remote from the container and in inverted position to a position in which the die is above the container, said means being operable to turn the die to upright position during such movement, and means for

bringing the die and container together and



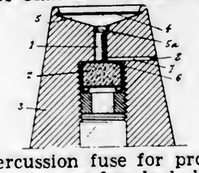
holding them tightly in contact during the casting process.

2,270,341
METHOD OF COATING GRANULAR MATERIALS
Harold P. Ransburg, Indianapolis, Ind., assignor to Harper J. Ransburg, doing business as Harper J. Ransburg Company, Indianapolis, Ind.
Application December 2, 1939, Serial No. 307,312
4 Claims. (Cl. 91—68)



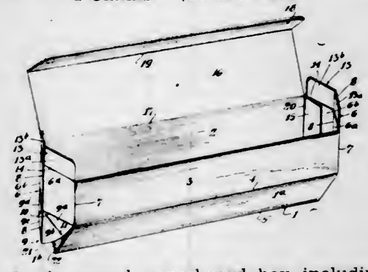
3. A method of coating granular material comprising spraying said material and coating material into an electrostatic field said streams entering said field through oppositely charged portions thereof and converging within said field.

2,270,342
SENSITIVE PERCUSSION FUSE
Léon Emile Rémondy, Paris, France; Marie Leonie Arbey and Georges Henri Rémondy, representatives of said Léon Emile Rémondy, deceased
Application March 30, 1938, Serial No. 199,034
In France December 20, 1937
10 Claims. (Cl. 102—36)



1. In a percussion fuse for projectiles of the extra-sensitive type, a fuse body having an axial bore extending rearwardly from the forward end thereof, a striker member movable in said bore, a percussion cap fixedly mounted in said fuse body adjacent the rear end of said bore, and a closure member associated with the forward end of said fuse body having at least a portion thereof movable rearwardly upon impact of the projectile with an obstacle while in flight to contact said striker member and at least momentarily decrease the forward velocity of the latter relatively to that of the projectile, whereupon the inertia of said striker member and the continued forward progress of said percussion cap at the residual velocity of the projectile bring said striker member and cap into contact with one another with sufficient force to effect ignition of the fuse, said striker member being at all times freely movable into contact with said percussion cap, but its length being less than the length of said bore, and said striker and cap members being so constructed and arranged, and the mass of said striker member being such, that detonation of said cap member will not occur upon set back due to firing of the projectile.

2,270,343
COLLAPSIBLE BOX
William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application June 12, 1939, Serial No. 278,657
4 Claims. (Cl. 229—16)



1. An improved paperboard box including, a bottom wall panel having free end edges, oppositely arranged side wall panels hinged to said bottom wall panel, oppositely arranged end wall panels hinged to said side wall panels but otherwise free of said bottom wall panel, a bottom flap hinged to each of said end wall panels, each of said bottom flaps having a plurality of radially extending fold lines radiating from the hinge line defining said bottom flap whereby each bottom flap may be partially collapsed and inserted over the adjacent free edge of said bottom wall panel to overlie the inside face thereof, a top flap hinged to each of said end wall panels adapted to be turned inwardly, a cover panel hinged to one of said side wall panels, and a tuck-in flap hinged to said cover panel adapted to be inserted into the box adjacent the opposite side wall panel thereof, said top flaps and cover panel serving as box-bracing and rigidifying struts.

2,270,344
ROLL TOWEL MAGAZINE AND FEEDING DEVICE
Jacques Rousso, Chicago, Ill.
Application April 22, 1940, Serial No. 330,842
16 Claims. (Cl. 242—55.3)

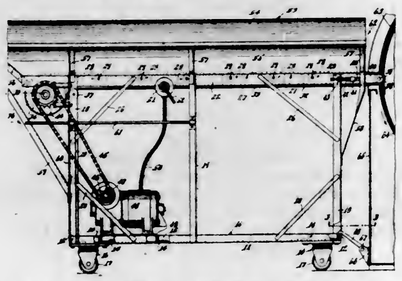
1. A roll towel magazine of the class described having a plurality of rows of roll towel com-

partments open at the top and arranged end to end, the compartments in each row being in



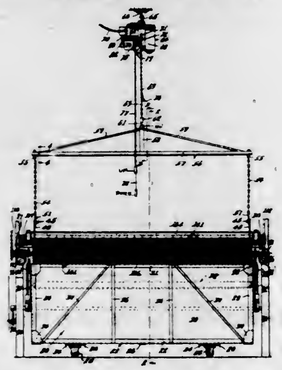
staggered relation to the compartments of another row.

2,270,345
HOPPER FEEDING TRANSFER TRUCK AND PORTABLE CONVEYER
Jacques Rousso, Chicago, Ill.
Application April 22, 1940, Serial No. 330,843
12 Claims. (Cl. 214—83)



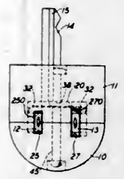
1. A hopper feeding transfer truck and portable conveyer including a substantially waist high portable frame mounted on casters and adapted to be pushed about by hand, a reversible conveyer on the frame and projecting from one end thereof and a hopper on the frame projecting above the conveyer and frame, said hopper being open at one end and closed at the other end and on two opposite sides, one side being lower than the other side and end to facilitate handling of the material on the conveyer by an operator positioned at the low side.

2,270,346
PORTABLE TRANSFER AND HOIST
Jacques Rousso, Chicago, Ill.
Application April 22, 1940, Serial No. 330,844
14 Claims. (Cl. 214—38)



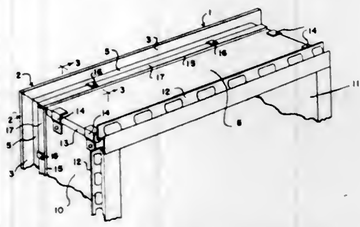
1. A portable transfer including a transportable frame having a container, a platform mounted therein, one side of the frame extending inwardly over the container and the other side being lower than the first side, the inwardly extending side limiting the upward movement of the platform above the low side to permit removal of the platform laterally above the low side.

2,270,347
ADAPTER
Jacob Rudin, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1939, Serial No. 255,199
2 Claims. (Cl. 173—334)



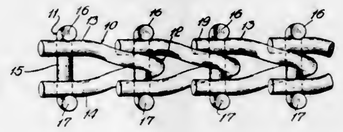
1. A portable adapter for conditioning a receptacle in an electrical circuit adapted to receive only one type of non-rotatable non-reversible terminals to include in the circuit terminals of an attachment plug of a different type, said adapter comprising non-rotatable and non-reversible terminals of the type receivable in the receptacle, and a receptacle associated with the terminals and formed to receive non-reversible attachment plug terminals of the other type.

2,270,348
CASING CONSTRUCTION
Mason P. Rumney, Detroit, Mich., assignor to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application February 16, 1940, Serial No. 319,336
1 Claim. (Cl. 189—75)



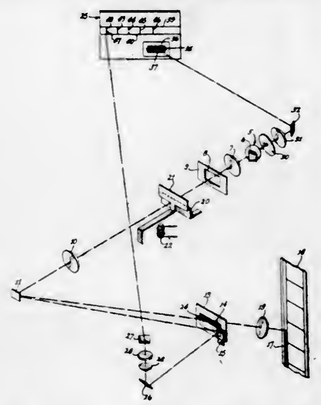
The combination with a frame comprising a plurality of side bars, of a casing attachable to said frame comprising a plurality of sections corresponding respectively to said side bars and individually engageable therewith and extending thereover at one side, said side bars and sections having cooperating shoulders for limiting relative transverse movement of said side bars and sections in one direction, said side bars having openings therethrough, and means upon and unitary with said sections extending through the openings and over said side bars at the side opposite said sections for securing said casing in place on said frame, said means being engageable with edges of the openings to limit relative transverse movement of said side bars and sections in the opposite direction.

2,270,349
ANTISKID CHAIN LINK
George Small Schmidt, York, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application March 30, 1940, Serial No. 326,841
4 Claims. (Cl. 152—245)



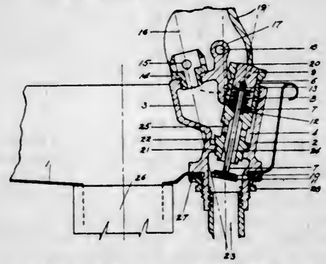
1. An anti-skid chain link consisting of two generally U-shaped members, one of said members being elongated and constituting the main body of the link, its legs constituting the side strands of the link and its transverse portion a closed end of the link, the other of said members being arranged on top of and embracing the legs of said first mentioned member near their ends, and extending at right angles thereof and having its legs projecting below the legs of said first mentioned member and constituting anti-skid devices, and the body portion of said last mentioned member being adapted for connection with the transverse portion of the first mentioned member of an adjacent link.

2,270,350
MONITORING SYSTEM FOR SOUND RECORDING
Max T. Schomacker, West Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1939, Serial No. 293,086
7 Claims. (Cl. 179—100.3)



1. A sound recording system comprising a source of light having an incandescent element therein, means for obtaining a penumbra shadow light beam from said source, means for projecting said shadow through an optical system to a motion picture film, means for vibrating said shadow in accordance with a signal to be recorded, and means for simultaneously obtaining a second light beam from said source coaxially with the optical axis of said optical system for the observation of the condition and position of said incandescent element which provides the light for said penumbra shadow.

2,270,351
FOUNTAIN
William H. Schulte, Trenton, N. J., assignor to Trenton Brass and Machine Company, Trenton, N. J., a corporation of New Jersey
Application November 17, 1939, Serial No. 304,901
6 Claims. (Cl. 299—16)

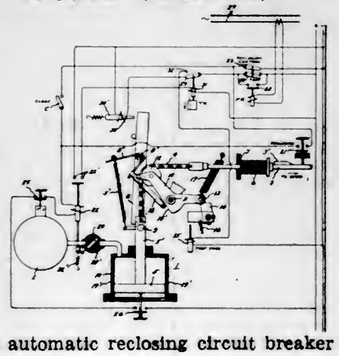


1. In a fountain, an integral valve and nozzle structure fitted to a water supply, said valve and nozzle structure comprising a main hollow body portion, a valve chamber and a nozzle chamber extending at opposed acute angles into the main body portion, a spring valve inserted within the valve chamber and extending into the main hollow body portion, a nozzle attached to the top of the nozzle chamber, a pair of supporting posts positioned between said valve chamber and nozzle chamber and means including a nozzle guard mounted on said posts.

2,270,352
FLUID CONTAINING SILICYL DERIVATIVES
Frank J. Sowa, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 26, 1937, Serial No. 139,007
5 Claims. (Cl. 252—79)

4. A fluid for use in hydraulic pressure apparatus comprising the combination of a silicyl derivative of a ricinoleic acid ester of a polyhydric alcohol wherein the silicyl group is linked directly to the ricinoleic acid group and an ether of a polyhydric alcohol.

2,270,353
CIRCUIT BREAKER OPERATING SYSTEM
Robert M. Spurck, Llanerch, Pa., assignor to General Electric Company, a corporation of New York
Application January 8, 1940, Serial No. 312,974
9 Claims. (Cl. 175—294)



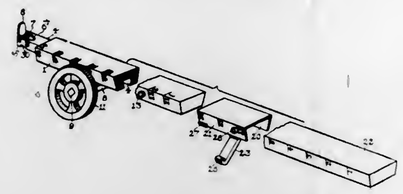
1. An automatic reclosing circuit breaker sys-

tem comprising a fluid motor, a source of fluid under pressure, a control valve for admitting said fluid to said motor for operating the circuit breaker to closed circuit position, tripping means for causing opening of said circuit breaker, and means operative in response to predetermined circuit opening movement of said circuit breaker for opening said valve and causing reclosing of said circuit breaker by means of a partial working stroke of said breaker prior to completion of the full opening stroke of said breaker.

2,270,354
DYESTUFF INTERMEDIATE OF THE ANTHRAQUINONE BENZACRIDONE SERIES
Frederic B. Stilmar, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1941, Serial No. 380,308
2 Claims. (Cl. 260—276)

1. 1,9-pyrazolanthrone-6,5(N)-benzacridone.

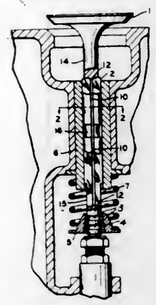
2,270,355
TELESCOPING MEASURING RULE
Carl G. Swanson, New York, N. Y.
Application July 11, 1941, Serial No. 401,887
6 Claims. (Cl. 33—161)



1. In an extensible measuring rule having a series of telescoping rule sections, means for determining extreme extended positions of said sections and means for locking said sections in extended positions, the combination of means for preventing complete dissociation of any rule section from the rest, with an auxiliary rule section capable of being removably associated in telescoped and extended positions with the outermost rule section, and manually depressible locking heads resiliently urged outward through the sides of the outermost rule section for engagement in corresponding openings in the sides of said auxiliary rule section to determine an extended position thereof on said outermost section.

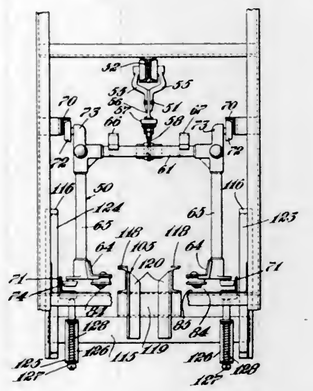
2,270,356
VALVE
William H. Taylor, Mentor-on-the-Lake, Ohio, assignor to William H. Taylor, as trustee, and his successor, trustee
Application September 2, 1937, Serial No. 162,155
1 Claim. (Cl. 123—188)

In a valve and guide combination including a valve having a head and stem, a guide for the stem having a stem receiving bore of circular cross-section, the part of the stem received in the guide having its diameter equal to or greater than the diameter of the bore of the guide when the valve is in normal unheated condition, and means dividing the stem into radially yieldable sections, said stem fitting the guide with substantially uniform radially yielding pressure entirely to



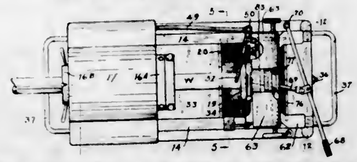
the ends of the guide when the valve is in unheated condition.

2,270,357
CONVEYER SYSTEM
William J. Taylor, John E. Regan, and Albert N. Klyver, Syracuse, N. Y., and Paul R. Kuhn, Oakland, Calif., assignors, by mesne assignments, to Lamson Corporation, Dewitt, N. Y., a corporation of New York
Application April 29, 1939, Serial No. 270,728
14 Claims. (Cl. 214—11)



1. In a conveyer system comprising an overhead conveyer including a plurality of continuously traveling load-transporting cars and a plurality of loading and unloading stations, each station including an intermittently traveling carriage by which loads are transported to or from the cars, control devices at each loading station tripped by said cars, means set into operation by such devices when tripped to cause the carriage at a loading station to transfer a load to the car by which such devices are tripped, dogs on said cars constructed and arranged to be set to indicate the unloading station to which loads thereon are destined, control devices tripped by the carriage by which the load is transferred, and means actuated by said last-named control devices for setting the dogs on the car to which the load is transferred to indicate the destination of such load.

2,270,358
THREADING MACHINE
Roger Tewksbury, Willowick, Ohio, assignor to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 5, 1940, Serial No. 312,547
5 Claims. (Cl. 10—87)



1. In a threading and cutting machine a work-holding spindle and a carriage movable toward and from said spindle, said carriage comprising a transverse head with a cut-off tool on the back and with guides on the front parallel to said cut-off tool, a block slidable in said guides transversely of the work, said block carrying on one portion a die head, and on another portion a reamer, said die head and said reamer being side by side in horizontal alignment and having their centers in the horizontal plane of the spindle axis and a central passage in said head for work in the machine.

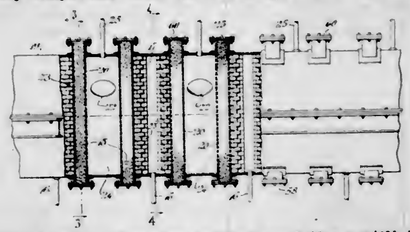
2,270,359
COMBINED SCREW AND LOCK WASHER
Joseph J. Tomalis, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application February 27, 1939, Serial No. 258,847
2 Claims. (Cl. 151—32)



1. As an article of manufacture a combined screw and lock washer comprising a screw having a head and a shank, said shank having helical working threads formed thereon which terminate at a point spaced from the underside of said head, a washer mounted on the portion of said shank adjacent said head, said washer having a hole therein provided with internal threads shaped to cooperate with the working threads on said shank, whereby said washer may be rotated along said shank, said shank having supplementary threads on the portion thereof between said working threads and the underside of said head and on which said washer is firmly mounted, said supplementary threads being formed on the screw shank by relative rotation between said washer and shank, and constituting means for frictionally securing the washer on the screw shank adjacent said head.

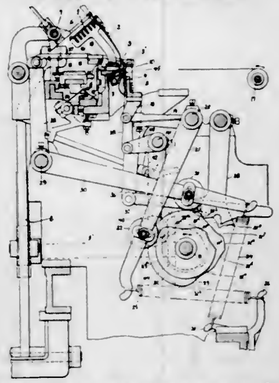
2,270,360
CATALYTIC HYDROCARBON CONVERSION
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1938, Serial No. 248,854
6 Claims. (Cl. 196—52)

1. A catalytic hydrocarbon conversion process which comprises vaporizing and heating a hydrocarbon-charging stock to reaction temperature, passing the heated vapors thru a thin catalyst bed less than 12 inches in depth in a reaction chamber, then purging the reaction chamber, then regenerating the catalyst by reverse flow of hot oxygen-containing gases, absorbing regeneration heat from the regeneration gases in metal chamber walls and additional fixed heat-retention material in a separate zone immediately adjacent said thin catalyst bed whereby



regeneration gases are cooled and then utilizing the absorbed heat for supplying the last increment of heat for effecting the next catalytic conversion step by passing heated vapors thru said zone before passing them thru said thin catalyst bed.

2,270,361
KNITTING MACHINE
Kurt Waechtler, Philadelphia, Pa.
Application May 7, 1938, Serial No. 206,606
8 Claims. (Cl. 66—82)

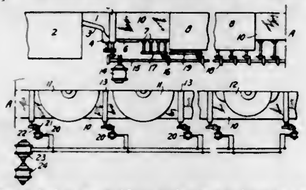


1. In a knitting machine, a cam shaft having cams thereon, reciprocating yarn laying mechanism and reciprocating slur mechanism operatively connected with said cam shaft, and needle bar mechanism and catch bar mechanism operatively connected with cams aforesaid and both imparting a forward bias thereto about the end of each stroke of the slur mechanism, the respective cams and the mechanisms associated therewith imparting opposing tendencies to the cam shaft during a major part of the loop-forming cycle.

2,270,362
APPARATUS FOR PRODUCING GROUND OR POLISHED GLASS STRIP
Frederic Barnes Waldron, Prescot, Patrick Mackintosh Hogg, St. Helens, and Granville Hugh Baillie, London, England, assignors to Pilkington Brothers Limited, Liverpool, England, a British company
Application March 17, 1938, Serial No. 196,418
In Great Britain March 17, 1937
8 Claims. (Cl. 51—112)

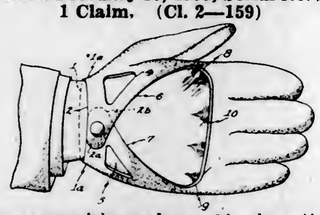
8. In a glass grinding apparatus of the type described in which a continuous strip of glass

is advanced to and through the apparatus at a speed determined solely by its advancing means, the combination of a plurality of pairs of continuously-acting members for applying a tractive force to the advancing strip, operative at a plurality of points in the length of the strip, sufficient to overcome the frictional resistance be-



tween the strip and the grinding tools, and driving means for at least one of the members of each pair of said continuously-acting members, each driving means operating to apply to the driven of each pair a predetermined constant torque which is substantially constant and equal at all points of the said plurality.

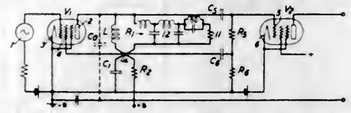
2,270,363
GLOVE
Paul Weeber, Chicago, Ill.
Application February 13, 1939, Serial No. 256,105
1 Claim. (Cl. 2—159)



A glove comprising palm and back sections and having a thumb stall and finger stalls, the back section being cut out for the major portion of its area to form a large back opening and having its rear portion formed with symmetrical side flaps extending inwardly towards each other, and means for detachably securing the free ends of said flaps in overlapped relation to each other to form a wrist encircling portion having the portions of its rear edge formed by the rear edges of the flaps disposed forwardly of the rear edge of the palm section of the glove to establish a snug fit of the wrist portion about a person's wrist, the front edge of the back opening extending transversely of the glove rearwardly of the finger stalls and further extending substantially straight across the apices of all of the knuckles at the base of the fingers, when the fingers are extended, the said front edge having its ends terminating in rearwardly curved portions that encircle the sides of the base knuckles of the first and fourth fingers respectively, said curved portions merging with the side edges of the opening defined by the sloping forward edge portions of the flaps, the said side edges converging rearwardly and intersecting midway of the width of the wrist encircling portion of the glove when the flaps are overlapped and secured.

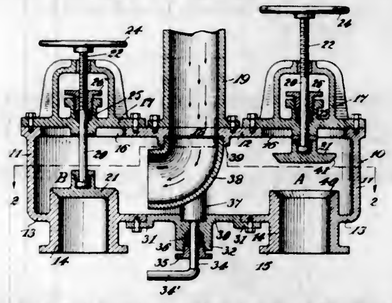
2,270,364
AMPLIFICATION OF ELECTRIC WAVES
Julian M. West, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1940, Serial No. 331,728
13 Claims. (Cl. 179—171)

12. A signal amplifier comprising a space discharge device having a cathode and a control electrode, a high impedance element serially connecting said cathode and control electrode, signal input means for applying signal frequencies lying in the upper portion of the signaling frequency band across one portion of said imped-



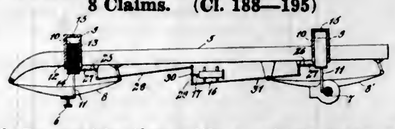
ance element, signal input means for applying signal frequencies lying in the lower portion of said band across another portion of said impedance element, and means for maintaining the low potential end of said one portion at substantially ground potential for signal frequencies in said upper portion of the band.

2,270,365
VALVE
Wylie G. Wilson, Elizabeth, N. J.
Application October 31, 1939, Serial No. 302,079
12 Claims. (Cl. 277—57)



1. In a fluid control system having a fluid supply line and a plurality of branch lines supplied by said supply line, individual control means for controlling passage of fluid through said branch lines, said means being operable in sequence whereby one branch line is open for the passage of fluid therethrough while another branch line is closed, and means for causing fluid passing through an open branch line to bathe the control means for a closed branch line before the fluid passes through the control means of the open branch line, whereby the closed control means is maintained at substantially the temperature of the fluid passing through the open branch line.

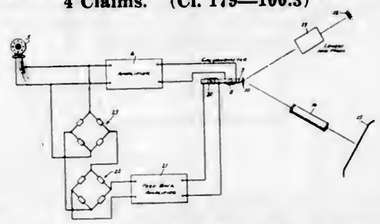
2,270,366
BRAKE OPERATING MECHANISM
Austin M. Wolf, Plainfield, N. J.
Original application April 15, 1933, Serial No. 666,332. Divided and this application November 27, 1939, Serial No. 306,299
8 Claims. (Cl. 188—195)



1. In combination with a vehicle body, supporting axles therefor, and a single means for proportionally regulating the braking effort of front and rear brakes, a relatively movable connection between each end of the vehicle body

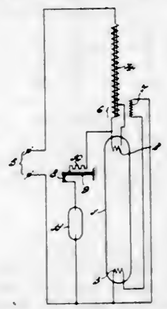
and the supporting axle therefor, and means responsive to movement of either of said connections including a common operating member to actuate said regulating means and variably proportion the distribution of braking effort between the front and rear brakes.

2,270,367
ELECTROMECHANICAL CONTROL SYSTEM
Wallace V. Wolfe, Beverly Hills, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,549
4 Claims. (Cl. 179—100.3)



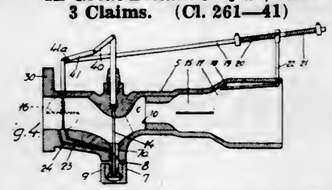
1. In a sound recording system, the combination of means for producing a light beam, means for projecting said beam to a film, a mirror for vibrating said beam with respect to said film, a movable armature for actuating said mirror, an inductance surrounding said armature, means for impressing currents having varying amplitudes and frequencies on said inductance for moving said armature and said mirror, and another inductance mounted on said armature, said other inductance having generated therein voltages directly proportional to the movements of said armature and said mirror.

2,270,368
GASEOUS ELECTRIC DISCHARGE APPARATUS
Gustav Zecher, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application December 29, 1938, Serial No. 248,288
In Germany February 10, 1938
16 Claims. (Cl. 176—124)



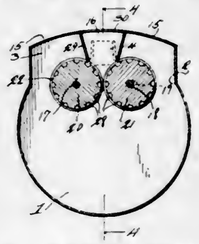
9. In combination, a source of alternating current supply, a gaseous electric discharge device connected to be supplied therefrom, said device including electrodes arranged to be supplied with heating current and means for controlling said heating current comprising a circuit arranged to shunt said device, said circuit not including said electrodes and including a thermal switch and means for supplying heat thereto.

2,270,369
LIQUID FUEL ATOMIZING CARBURETOR
Ejnar Danielsen, Copenhagen-Hellerup, Denmark
Application July 18, 1939, Serial No. 285,149
In Great Britain July 26, 1938
3 Claims. (Cl. 261—41)



1. An atomizing carburetor for internal combustion engines having in combination a main intake pipe with a throttle valve and a choke valve for starting purposes, an air chamber arranged transversely of the main intake pipe and containing a fuel jet pipe, means for passing a stream of auxiliary air into the said air chamber and along the fuel jet pipe lengthwise thereof, the said air chamber communicating directly with the main intake pipe through a channel and an idle passage leading from the channel to the intake pipe adjacent the throttle valve, a supplementary valve arranged in the main intake pipe anterior to the choke valve, said supplementary valve consisting of a flap valve pivoted on one side of said intake pipe and linkage connecting said supplementary valve and said throttle valve in such a manner as to move the supplementary valve towards closed position on increasing the degree of opening of the throttle valve, said linkage including a spring to allow the supplementary valve to be thereafter automatically re-opened by the increasing suction in the main intake pipe.

2,270,370
ASH TRAY
Lula L. Dalrymple, Madison, and De Moss Dickson, Basco, Wis.
Application March 19, 1940, Serial No. 324,854
1 Claim. (Cl. 131—237)



An ash tray comprising a container having an opening in its top, marginal portions defining such opening providing supporting areas for cigars or cigarettes, drums rotatably mounted within the container in the upper portion thereof, one of said drums being movable toward or from the other, means coacting with said movable drum for normally maintaining the same in driving engagement with the second drum, means exteriorly of the container for rotating the second drum, the bight between the drums being below the opening in the top of the container, the end portions of the drums being provided with outstanding surrounding flanges, the flanges of one drum having direct contact with the flanges of the second drum, the peripheries of the drums between the flanges being free of con-

tact, and plates depending from the top of the container at opposite sides of the bight between the drums and substantially bridging the spaces between the top of the container and the peripheries of the drums, said plates also extending between the flanges of the drums.

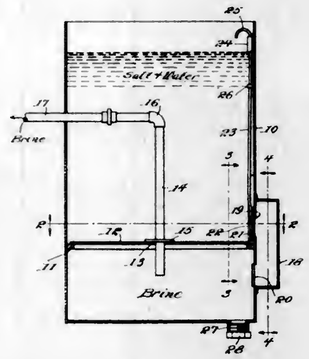
2,270,371
GAS GAUGE CONNECTION
Edward M. Frazier, Miami, Fla.
Application April 1, 1940, Serial No. 327,334
2 Claims. (Cl. 285—8)



1. In a connection of the character described, a cylindrical coupling section open at one end and having a reduced central outlet in the opposite end, a tubular neck connected with and extending axially from the said outlet, the cylindrical wall of the said coupling being exteriorly screw threaded, a tubular cap having its inner portion threadedly fitted about the coupling and having an inturned flange at its outer end, a tubular plug having an end wall at its inner end provided with a central outlet and having an annular flange disposed within the flange of the cap, a compressible liner fitted within the said plug and adapted to frictionally engage a feed nipple therein, an annular packing member slidably fitted within the coupling having a center bore in alignment with the outlet in the inner end of the said plug, and a spring mounted between the end wall of the coupling and the annular packing member yieldingly forcing the said packing member against the inner end of the plug and the flange of the plug against the flange of the connecting cap.

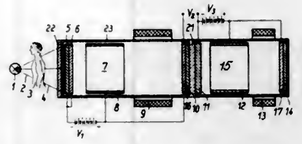
2,270,372
BRINE APPARATUS
Emmett B. Hunter, Sioux City, Iowa
Application May 13, 1940, Serial No. 334,966
2 Claims. (Cl. 23—272)

1. Brine apparatus comprising, a tank open at its top, a perforated plate disposed transversely in and forming a false bottom in the tank for supporting a supply of salt above the bottom of the tank, an outlet pipe extending through the plate and terminating above the bottom of the tank, a vertically disposed clean out pipe disposed exteriorly of the tank and opening at the top and at the bottom into the tank respectively above and below the plate, a vertically slidable gate valve in the tank controlling the upper open end of the pipe, a handle



for the valve disposed at the top of the tank, and a drain plug in the tank.

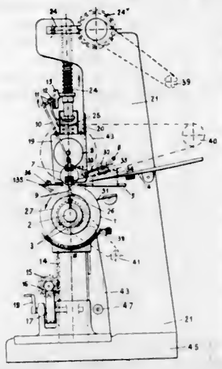
2,270,373
NEUTRON IMAGE CONVERTER
Hartmut Israel Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application May 20, 1940, Serial No. 336,311
In Germany June 24, 1939
11 Claims. (Cl. 250—65)



1. A device for producing images with the aid of neutrons as depicting radiation comprising a vacuum tube containing a neutron-reactive layer in which charged particles are generated by impinging neutrons, an electric field and an electron-optical depicting system for accelerating slow electrons dissolved by said charged particles, and an electron-sensitive system on which said slow electrons after having been accelerated are collected to form an image which shows a representation of the intensity of the incoming beam of neutrons.

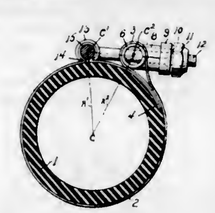
2,270,374
INTAGLIO PRINTING
Georges Kanitz, Saint-Cloud, France
Application October 23, 1939, Serial No. 300,862
In France October 26, 1938
6 Claims. (Cl. 101—232)

1. In an intaglio printing machine the combination comprising a printing roller, means for raising and lowering said printing roller, a presser roller adapted to cooperate with said printing roller, a counter-presser roller cooperating with said presser roller, means for moving said presser roller towards and away from said printing roller, means for rotating said printing roller and locking means for stopping said printing roller



in a predetermined position before the printing operation.

2,270,375
HOSE CLAMP
James T. King, Burbank, Calif.
Application August 6, 1941, Serial No. 405,722
8 Claims. (Cl. 24—19)

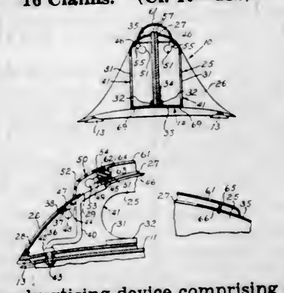


1. In a hose clamp, a flexible sheet-metal strap having a slot near one end, a bolt guide and trunnion member the guide portion of which projects through said slot when the strap and trunnion member are assembled with the strap at the sides of the slot looped around the trunnion of said trunnion member, said strap having a loop portion at a predetermined place located between the ends of the strap, a draw bolt having a tubular head fitted on said loop portion and constructed to pass through said bolt guide and trunnion member, and a nut on said bolt.

2,270,376
PROCESS OF TREATING ALKALI METAL HYDROXIDE SOLUTIONS
Edward Thorndike Ladd, Lewiston Heights, N. Y., assignor to Innis, Speiden & Co., Niagara Falls, N. Y.
Application October 23, 1937, Serial No. 170,586
12 Claims. (Cl. 204—153)

1. A process of removing dissolved chlorine compounds from an alkali metal hydroxide solution containing the same, which includes subjecting said solution to electrolysis at a voltage in excess of the polarization voltage of the alkali metal hydroxide solution to liberate oxygen, reacting on said chlorine compounds with said oxygen to form chlorates which are substantially insoluble in said solution, and separating said chlorates from said solution.

2,270,377
ADVERTISING DEVICE
Laurence V. McLauchlin, Detroit, Mich., assignor to National Display Ads, Inc., Madison, Wis., a corporation of Wisconsin
Application May 21, 1940, Serial No. 336,465
16 Claims. (Cl. 40—132)

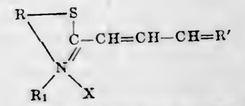


14. An advertising device comprising a housing having spaced elongated side walls provided with opposed openings, a top wall connecting said side walls and provided with a slot for the insertion of an advertising panel, supporting means between said side walls for locating and supporting an advertising panel, an advertising panel seated in said supporting means and having its upper portion located by the walls of said slot, means preventing the entrance of moisture into the housing through said slot, and means in said housing for illuminating the panel.

2,270,378
PHOTOGRAPHIC SENSITIZING DYE
Edmund B. Middleton, Metuchen, and Andrew B. Jennings, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, Wilmington, Del., a corporation of Delaware
Application November 11, 1937, Serial No. 174,114
12 Claims. (Cl. 95—7)



1. A gelatino-silver-halide emulsion containing a photographic sensitizing dye of the general formula



wherein R is a naphthalene radical, R' is a γ-quinolinyl radical which may be substituted in the carbocyclic nucleus by an open or closed chain hydrocarbon radical, R_1 is a hydrocarbon radical, and X is a negative acid radical.

2,270,379
SUGAR DERIVATIVES OF COMPOUNDS OF THE SUPRARENAL CORTICAL HORMONE SERIES AND PROCESS OF MAKING THE SAME
Karl Miescher, Riehen, and Werner Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application February 20, 1939, Serial No. 257,545. In Switzerland February 23, 1938
7 Claims. (Cl. 260—210)

1. A process for the manufacture of new de-

rivatives of compounds of the suprarenal cortical hormone series, comprising treating Δ^4-21-oxy-pregnene-dione-(3,20) with acetobromoglucose in contact with silver oxide.

2,270,380
SUGAR DERIVATIVES OF NONSTEROIDS HAVING THE EFFECT OF STEROID HORMONES, AND PROCESS OF MAKING THE SAME

Karl Miescher, Riehen, and Werner Fischer and Jules Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application February 21, 1939, Serial No. 257,736. In Switzerland March 16, 1938

12 Claims. (Cl. 260—210)

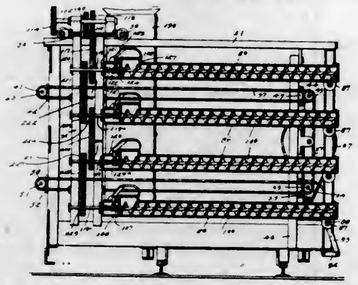
1. A process for the manufacture of glucoside derivatives comprising treating a non-steroid which is of phenol character and has the effect of steroid hormones and is a member of the group consisting of alkyl- and alkenyl- polyphenols, with an etherifying derivative selected from the group consisting of the acyl and acyloxy-halogen compounds of the saccharides, and with a catalyst useful in furthering etherification.

2,270,381
ZINC SMELTER RETORT CHARGING MACHINE

Thomas Richard Morrison, Blackwell, Okla.

Application June 10, 1940, Serial No. 339,805

14 Claims. (Cl. 214—24)



1. A retort charging machine comprising a frame, a carriage having a part depending into said frame, means for slidably supporting said carriage from the top of said frame, a plurality of charging members within the frame, bodily moving with the carriage and pivotally supported at one end thereof from said part, vertically adjustable rotatable means carried by said frame for movably supporting the other ends of said members, shifting means for the carriage, a retort charging screw rotatable in each member, operating means for said screws mounted on said carriage, and means correlating with the shifting means for the carriage for resisting movement of said carriage during the charging operation whereby to pack the discharged material in the retorts simultaneously with the discharge of the material into the retorts.

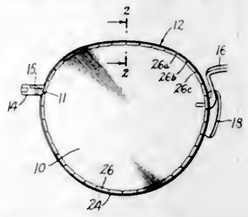
2,270,382
EYEGLASS CONSTRUCTION

George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine

Application May 20, 1940, Serial No. 336,152

5 Claims. (Cl. 88—47)

1. In eyeglass construction, in combination, a lens having an edge comprising a groove and a pair of flat surfaces, said pair of flat surfaces being positioned adjacent the planar surfaces of said lens, an eyewire having a pair of flat surfaces and a ridge formed on the surface of said eyewire which is juxtaposed to said lens edge when said eyewire and said lens are in assembled relationship, said eyewire flat surfaces being positioned opposite said lens edge flat surfaces and



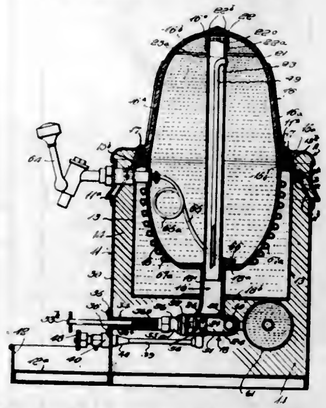
said ridge extending into said groove, the cross-sectional area of said ridge being smaller in all dimensions than the cross-sectional area of said groove and a cement cushion positioned between said eyewire and said lens edge, said cement filling the space between said ridge and groove and thus coacting with said ridge to prevent lateral movement of said lens with respect to said eyewire.

2,270,383
BEVERAGE DISPENSING APPARATUS

John L. Norton and Abraham S. Levin, Philadelphia, Pa.; said Norton assignor to said Levin

Application September 12, 1939, Serial No. 294,524

6 Claims. (Cl. 225—40)



1. The combination of a beverage dispensing apparatus comprising spaced inner and outer casings, the inner casing providing a cooling fluid containing chamber, lineally spaced beverage dispensing containers carried by said inner casing and extending into said cooling fluid chamber, a refrigerant carrying pipe in said chamber and having portions coiled about said beverage containers in direct contact therewith, a valve casing between the walls of said casings, conduit providing means carried by said valve casing and extending into said beverage dispensing container, and lineally spaced supporting means carried by said conduit-providing means and engaging said beverage container and the inner casing wall to maintain the same spaced.

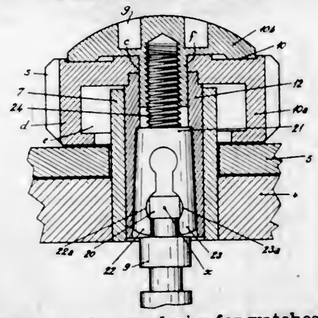
2,270,384
TIGHT WINDING-UP DEVICE FOR WATCHES

John Simon, Tramelan, Switzerland

Application January 16, 1940, Serial No. 314,148

In Switzerland August 2, 1939

2 Claims. (Cl. 58—90)



1. Tight winding-up device for watches, mounted on the fixed pendant tube of a watch case, in combination a winding shaft, a winding crown, and an intermediate joint connecting said shaft with said crown and comprising an externally tapered chuck having elastic jaws with internal circular portions adapted to engage the outer end of the winding shaft, an internally tapered sleeve adjustably fitted within the pendant tube and adapted to cooperate with said chuck for clamping said end of the shaft by means of the circular portions of said jaws, and an assembling screw formed integral with said chuck, the winding crown being fitted over the outer end of said sleeve and being fastened to said chuck by means of said screw which in cooperation with the crown effects also the clamping of the chuck jaws.

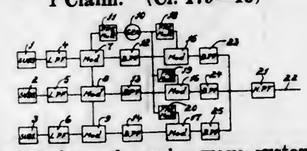
2,270,385
MULTICARRIER TRANSMISSION SYSTEM

Thomas Samuel Skillman, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application October 6, 1939, Serial No. 298,331

In Great Britain October 10, 1938

1 Claim. (Cl. 179—15)



In a multichannel carrier wave system, a plurality of channels each transmitting a conversation, a first modulator in each channel, means for supplying to each of said first modulators an auxiliary carrier having the same frequency in each of the channels, a first band-pass filter in each channel and separating one of the side bands produced in the first modulator of the channel by the modulation of the auxiliary carrier by the conversation, a second modulator in each channel, means for supplying to said second modulators the side band separated by said first band-pass filter, means for supplying to said second modulators main carriers having frequencies which are different for each of the channels and which are so selected that all the lower side bands and all the upper side bands produced in the second modulators lie in two separate frequency ranges, a common transmission line, and a second band-pass filter in each channel and connected between the second modulator of the channel and said transmission line, all of said second band-pass filters transmitting side bands produced in the corresponding second modulators and lying in the same one of said separate frequency ranges.

2,270,386
ALIPHATIC HYDROCARBON AMMONIUM CHROMATE

Clifford K. Sloan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 13, 1939, Serial No. 273,579

9 Claims. (Cl. 260—438)

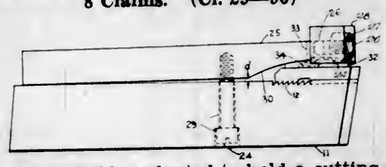
2. A saturated aliphatic hydrocarbon ammonium chromate.

2,270,387
CUTTING TOOL

Baruch Spector, Far Rockaway, N. Y.

Application July 13, 1938, Serial No. 219,046

8 Claims. (Cl. 29—96)



1. A tool holder adapted to hold a cutting tool of predetermined thickness and comprising a shank, a clamp superimposed upon said shank and adapted to be clamped onto said shank by a tool post in which the holder is to be engaged, a swivel plate flat on one side at which it may rest upon the cutting tool and convex upon its opposite side, and an arcuate recess in the side of said clamp facing said shank and fitting the convex side of said swivel plate, said plate and a cutting tool therebelow being interposed between corresponding ends of the shank and the clamp whereas the other end of the clamp rests directly upon the other end of the shank, when the tool holder is assembled.

2,270,388
SAFETY RAZOR

Samuel C. Stampleman, Cohasset, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

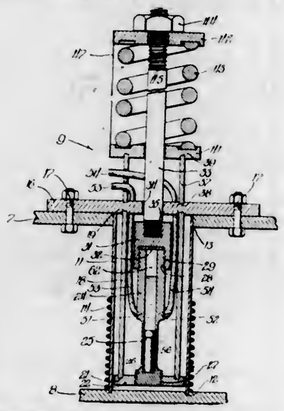
Application August 9, 1938, Serial No. 223,893

5 Claims. (Cl. 30—72)



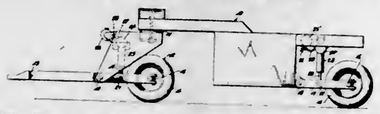
1. A safety razor comprising cap and guard members, one having a projecting blade-locating rib and the other comprising a sheet metal body having a depression in its blade-engaging face defined by relatively thin, sheet metal side walls which stiffen the guard against bending and converge toward both ends of the guard into engagement with the rib of the other member for accurately locating the same.

2,270,389
APPARATUS FOR TESTING EMBRITTLEMENT CHARACTERISTICS OF BOILER WATERS
Frederick G. Straub, Champaign, and Theodore A. Bradbury, Urbana, Ill., assignors to Board of Trustees of The University of Illinois, Urbana, Ill., a corporation of Illinois
Application February 14, 1938, Serial No. 190,392
4 Claims. (Cl. 73—51)



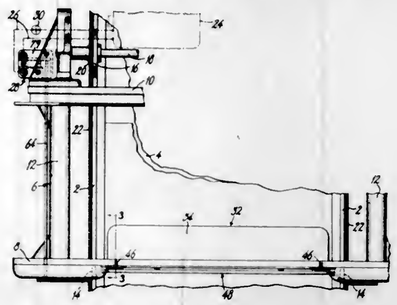
1. Apparatus for determining the embrittlement characteristics of boiler waters, comprising a chamber adapted to receive a sample of the boiler water to be tested and formed with an upper chamber area, a lower capillary space and a restriction which establishes communication between the two, said chamber comprising an enclosing metallic wall of known characteristics which is subjected to the embrittling action of the water in said capillary space, means for establishing a stress in said enclosing metallic wall, and means for boiling the water in said chamber to cause bubbles of steam in said capillary space to pass upwardly through said restriction into said upper chamber area and to cause water in said upper chamber area to pass downwardly through said restriction into said capillary space, whereby to effect a concentration of the embrittling constituents of the water within said capillary space in simulation of conditions within a typical boiler.

2,270,390
ROLLER
Joe N. Summers, Mission, Tex.
Application April 29, 1939, Serial No. 270,939
10 Claims. (Cl. 94—50)



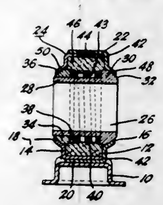
10. In a road compactor, a frame, a ballast box suspended intermediate the ends of the frame, a pivot shaft extending transversely to the frame and supported at the lower rear end of the ballast box, a plurality of pairs of links pivotally secured to the shaft and extending rearwardly to a point underneath the rear end of the frame, a compactor wheel journaled for rotation between each pair of links, and yielding compression means between each pair of links and frame.

2,270,391
TYPEWRITING MACHINE
Oscar W. Swanson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 30, 1939, Serial No. 282,035
12 Claims. (Cl. 197—3)



1. A typewriting machine having, in combination, a substantially flat platen, a line space frame movable over the platen in one direction to line space and in the opposite direction, a depressor plate movably mounted on the line space frame and yieldingly pressed toward the platen and devices relatively displaceable out of holding position by movement of the depressor plate for supporting said plate on the line space frame for detachment solely by manipulation of the plate.

2,270,392
SELF-ALIGNING BEARING
Charles Robert Talmage and Edgar B. Lau, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 10, 1939, Serial No. 289,344
5 Claims. (Cl. 308—26)



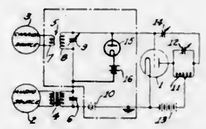
5. A self aligning bearing structure comprising in combination; a bearing assembly comprising a porous metal bushing having a flange at one end thereof, said flange including a spherical surface, and a collar slidable over the bushing, said collar including a spherical surface opposed to said first named spherical surface; a pair of stamped sheet metal cup shaped members having central perforations therein and adapted to be tightly interfitted to form a housing for said bearing assembly; a fluid reservoir, consisting of a chamber extending around at least a portion of the bearing, said fluid reservoir being formed by portions of the housing and the bushing; a coil spring disposed around the bushing and between the collar and the flange of the bearing assembly for axially expanding the bearing assembly and maintaining it in sealed engagement with the housing; said housing having an oil inlet to said reservoir.

2,270,393
DISPLAY CARD WITH ATTACHED WALL HOOKS
Christopher Tate and Frank E. B. Tate, Malden, Mass., assignors to E. H. Tate Company, Boston, Mass., a corporation of Massachusetts
Application January 6, 1938, Serial No. 183,612
2 Claims. (Cl. 206—79)



1. In combination, a display card having a tab projecting from a face thereof, and a wall-hook removably secured against said face of the card, said wall-hook consisting of a strip of metal having a portion bent into a loop and a pin extending across said loop and through said strip at points on opposite sides of the loop, said strip being disposed edgewise against the card with said loop surrounding said tab, said tab having portions overlapping the edge of the strip away from the card so as to lock the wall hook against the card.

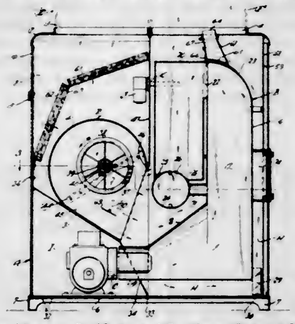
2,270,394
MODULATION SYSTEM
Frederick E. Terman, Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 9, 1940, Serial No. 313,035
19 Claims. (Cl. 179—171.5)



1. A modulation system which comprises a discharge tube having a cathode, an anode and a grid, means for normally biasing said grid to draw substantially no grid current, a carrier source connected to apply an unmodulated carrier voltage between said grid and cathode, a modulating source connected to apply a further modulating voltage between said grid and cathode, the voltages of said sources being sufficient to cause the flow of substantial grid current, at least during overlapping peaks of said carrier and modulating voltages and the voltage of at least one of said sources being subject to substantial variation with varying load, absorption means for normally absorbing power from said carrier source, and means responsive to the flow of grid current for decreasing the absolute power absorbed by said absorption means.

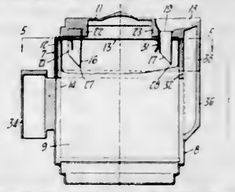
2,270,395
AIR HEATING AND CONDITIONING APPARATUS
Emil J. Tjernlund, St. Paul, Minn.
Application January 2, 1940, Serial No. 311,979
10 Claims. (Cl. 126—110)

1. A heater comprising a burner, a chamber for carrying heated gases upwardly from the burner, a smoke pipe located below the upper end of said chamber and above the burner, a series of flues connecting the upper end of said chamber with the said smoke pipe, and a by-pass duct connecting the smoke pipe directly with a



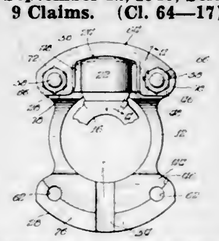
lower portion of the said chamber above the burner.

2,270,396
CAN OPENING AND POURING DEVICE
Kenneth B. Van Woert, Sr., and Kenneth B. Van Woert, Jr., Oakland, Calif.; said Van Woert, Jr., assignor to said Van Woert, Sr.
Application December 3, 1937, Serial No. 177,934
4 Claims. (Cl. 65—61)



1. A can opening and pouring device comprising, a head member of molded plastic material and including an end wall and circumscribing side wall extended therefrom and adapted to fit over and around the top of a can, a boss formed on the inner side of said end and side walls and provided with a depending side, an open sided metal cutter mounted to said boss and engaging said side to define a tubular enclosure and adapted for forcing through said can top, and pouring means at the upper end of said cutter for discharging the contents of said can.

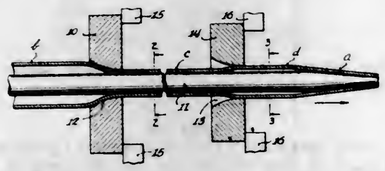
2,270,397
UNIVERSAL JOINT
Archibald A. Warner, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application September 12, 1940, Serial No. 356,518
9 Claims. (Cl. 64—17)



1. In a universal joint and brake drum assembly, a brake drum having a web formed with a central opening, a yoke having a hub received in said opening and an arm located against the face

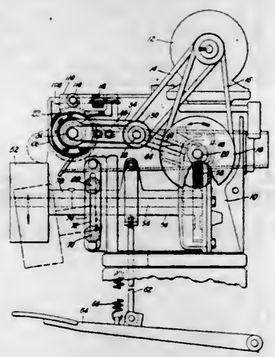
of said web, a trunnion bearing having circumferentially extending ears in contact with the face of said arm opposite said web, a clamp plate having portions overlying said ears, and securing elements extending through said web, said arm, and said clamp plate, and securing them in assembled relationship with said ears clamped between said clamp plate and said arm.

2,270,398
METHOD OF REDUCING METAL TUBING
Sven Westin, West Allis, Wis.
Application April 6, 1939, Serial No. 266,237
13 Claims. (Cl. 205—8)



1. The improved method of reducing tubing which comprises placing a round bar within the tubing, and pulling said bar and tubing through a non-circular die orifice having a perimeter materially less than the external perimeter of the entering tubing, the minimum clearance between said bar and the walls of said orifice being not materially less than the wall thickness of the entering tubing.

2,270,399
ROUGHING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 5, 1940, Serial No. 317,290
5 Claims. (Cl. 69—1)

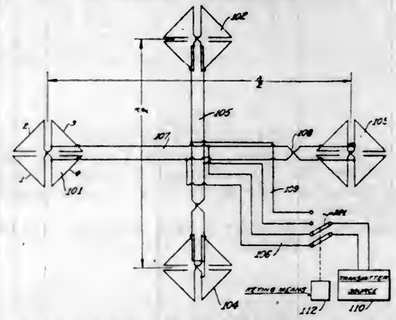


1. In a shoe roughing machine, the combination of a rotary roughing tool, driving means for rotating said tool, means for oscillating said tool bodily in a plane at right angles to its axis of rotation while it is rotating, and a shoe support so positioned relatively to the tool that a lasted shoe may be sustained upon said support with the overlasted margin of the shoe upper properly presented to the action of the roughing tool.

2,270,400
FUEL
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application November 30, 1939, Serial No. 306,813
2 Claims. (Cl. 44—9)

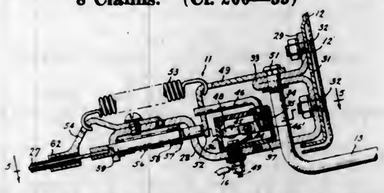
1. The method of accelerating the ignition of liquid fuels in an internal combustion engine of the type wherein ignition of the fuel is spontaneously effected by injection into the compressed air in the engine cylinder which comprises admixing with the fuel prior to ignition a minor proportion of tetranitromethane.

2,270,401
RADIO BEACON SHIELDING ARRANGEMENT
Andrew Alford, New York, N. Y., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware
Application October 19, 1939, Serial No. 300,167
3 Claims. (Cl. 250—11)



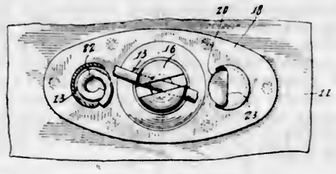
1. A four course radio beacon comprising two pairs of radiators, each radiator being designed to radiate substantially pure horizontally polarized waves, said radiators being arranged at the corners of a square the diagonal of which is substantially a half wavelength long at the operating frequency, shielded transmission lines connected respectively to diagonally arranged ones of said antennae, a source of radio frequency energy, means for alternately connecting said source to said respective transmission lines, to alternately energize said diagonally arranged antennae, whereby intersecting radiation patterns of horizontally polarized energy are produced and conductive means arranged beneath said radiator pairs and spaced from the surface of the earth.

2,270,402
MOTOR VEHICLE SIGNAL SYSTEM
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 21, 1939, Serial No. 269,203
8 Claims. (Cl. 200—59)



1. In a signal system for vehicles having an engine with a fuel control pedal, a switch having a contact member movable into a plurality of circuit closing positions, means normally holding said switch contact member in open position, a manually operable selector mechanism for moving said switch member to a selected circuit closing position, and mechanical means directly connecting said pedal and said selector mechanism to retain said switch contact member in circuit closing position when said pedal is in a low fuel range position.

2,270,403
FASTENER CONSTRUCTION
James R. Bignell and Russell C. Huntoon, San Diego, Calif., assignors to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application September 22, 1941, Serial No. 411,868
2 Claims. (Cl. 24—221)



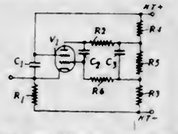
1. In a Dzus fastener for securing two members together and including a screw-cam element adapted to bear against one of said members and a cooperating spring rod element adapted to bear against the other member, means for securing said spring rod element to said other member, comprising: an auxiliary plate member secured to the face of said other member and forming therewith pockets for receiving the ends of said spring rod element.

2,270,404
FUSE
Hermann Bitter, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1941, Serial No. 391,261
In Germany February 27, 1940
7 Claims. (Cl. 200—135)



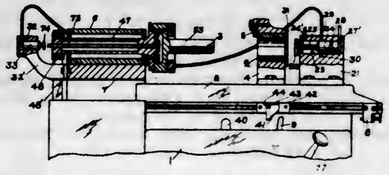
1. In a fuse, a fusible member having a relatively high melting point, and a fusible coating electrolytically deposited on said member and having a lower melting point.

2,270,405
RELAXATION OSCILLATION GENERATOR
Donald Harrison Black, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 8, 1939, Serial No. 288,935
In Great Britain August 19, 1938
4 Claims. (Cl. 250—36)



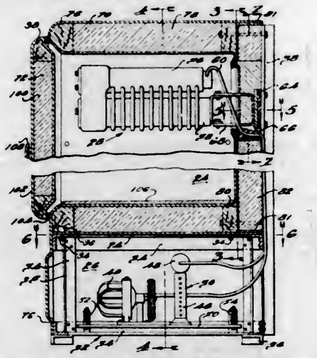
4. A relaxation oscillator comprising a supply source having positive and negative terminals, a potentiometer connected across said terminals, an electron discharge tube having a secondary emissive electrode connected to a point of given potential on said potentiometer, a control grid connected to a point of lower potential on said potentiometer, a cathode connected to a point of still lower potential of said supply source, and a collecting electrode connected to said positive terminal, a condenser connected between said collecting electrode and said cathode and a condenser connected between said secondary emissive electrode and said control grid.

2,270,406
SIZE CONTROLLING MECHANISM FOR BORING MACHINES AND THE LIKE
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Continuation of application Serial No. 220,566, July 21, 1938. This application April 12, 1939, Serial No. 267,383
13 Claims. (Cl. 77—3)



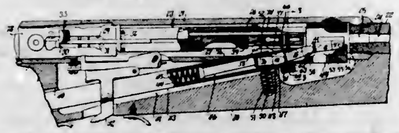
6. In a machine of the class described, a boring tool and a workholder, means for imparting rotation to one of said parts, and means for traversing one part, reciprocatively, of the other, to obtain, by one stroke of said traverse the boring of each successive workpiece in said workholder to a dimension determined by the distance of said tool's cutting point from the axis of said rotation, and by the reverse stroke, a withdrawal of said tool from the workpiece bore, a source of fluid under pressure, a tool-repositioning means, an actuator therefor operable by pressure fluid from said source, a gage alined with said workholder to test the bore size of each workpiece, and a device moved by said pressure fluid on each boring stroke of said traverse to space said gage away from the workpiece bore and moved reversely by fluid pressure on each reverse stroke of said traverse to urge said gage toward and into said bore, said device normally preventing the flow of pressure fluid from said source to said actuator, but having a passage which is brought into position to permit said flow, for the operation of said tool-repositioning means, only in response to the non-entry of said gage into a workpiece bore.

2,270,407
CABINET CONSTRUCTION
Howard E. Blood, Detroit, and Earl F. Hubacker, Highland Park, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 27, 1938, Serial No. 210,336
3 Claims. (Cl. 62—116)



1. A rectangular frame defining a door opening, a fibrous casing molded around said frame and defining a refrigerator cabinet, a fibrous food tank internally spaced from said cabinet and integrally molded with said casing at said door opening, insulating material packed around said tank, a frame for supporting said cabinet and adapted to receive compressing machinery, a standard rising above said frame and adapted to support an evaporator forwardly thereof, an opening in the back of said tank for inserting an evaporator therethrough and insulating means carried by said standard.

2,270,408
CARTRIDGE-DETENT MECHANISM FOR REPEATING FIREARMS
Frank F. Burton, Mount Carmel, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application April 13, 1939, Serial No. 267,531
10 Claims. (Cl. 42—17)

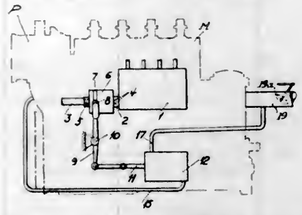


5. A repeating firearm-construction including in combination: a receiver; a breech-bolt movable in the said receiver; a magazine associated with the said receiver to successively present cartridges for insertion into the cartridge-chamber of the firearm; a magazine-throat secured to the said receiver adjacent the cartridge chamber of the firearm in registration with the delivery end of the said magazine and interposed between the same and the said cartridge chamber for conducting cartridges into position to be engaged by the said breech-bolt adjacent the said cartridge chamber; a cartridge-control lever pivoted to the said magazine-throat for swinging movement about an axis substantially parallel with the path of movement of cartridges through the said magazine-throat; and detent-operating means shifted by the said breech-bolt and including a detent-retiring portion and a detent-closing portion each successively acting upon the said cartridge-control lever of the said magazine-throat to respectively cause the same to release a cartridge from the said magazine throat and check the movement of the next succeeding cartridge.

2,270,409
CARBOXYLIC ACIDS OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES AND A PROCESS OF MAKING THE SAME
Adolf Butenandt, Berlin-Dahlem, Hans Dannenbaum, Falkenhain-Finkenkrug, near Berlin, and Josef Schmidt-Thomé, Berlin-Dahlem, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application April 18, 1939, Serial No. 268,518. In Germany April 21, 1938
28 Claims. (Cl. 260—397.1)

1. Process for the manufacture of carboxylic acids of the cyclopentano polyhydro phenanthrene series, comprising abstracting the elements of water from compounds of the cyclopentano polyhydro phenanthrene series containing a cyanhydrin grouping at the 17-position and thereby forming the corresponding 16-unsaturated nitriles, and hydrolyzing the resulting 16-unsaturated nitriles to the corresponding carboxylic acids.

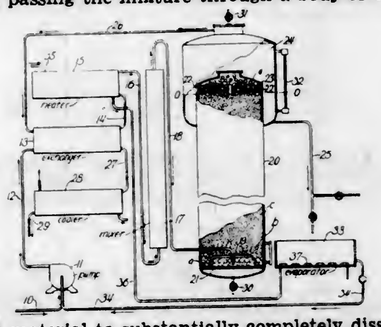
2,270,410
MEANS FOR AUTOMATICALLY CONTROLLING THE FUEL INJECTING MECHANISM OF INTERNAL COMBUSTION ENGINES
Hilding Gunnar Camner, Ektorp, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden
Application November 7, 1939, Serial No. 303,222
In Sweden June 1, 1938
4 Claims. (Cl. 123—140)



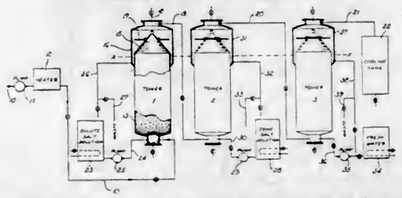
1. In an internal combustion engine, a scavenging air pump driven by the engine, a fuel injecting mechanism, means for driving said mechanism from said engine including a member shiftable to vary the timing of fuel injection with respect to the cycle of operation of the engine, and means for automatically timing the fuel injection in accordance with changes of the number of revolutions of the engine or the torque, the last-mentioned means comprising a servo-motor having a movable part acted on by the scavenging air and in operative connection with said member, said connection being arranged to cause the timing to be advanced upon increase in said number of revolutions or torque, and vice-versa.

2,270,411
PROCESS FOR DESALTING PETROLEUM
Sumner E. Campbell, Long Beach, Calif.
Application January 26, 1939, Serial No. 252,994
7 Claims. (Cl. 252—322)

1. A process for desalting oil which comprises: agitating a petroleum oil containing particles of salt with a saline solution to partly dissolve the salt, passing the mixture through a body of contact material to substantially completely dissolve said solid salt in the saline solution, and then immediately separating the solution and oil.



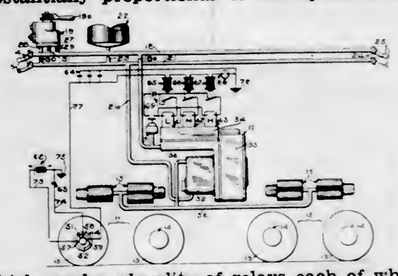
2,270,412
PROCESS OF DEHYDRATING OILS
Sumner E. Campbell, Long Beach, Calif.
Application November 3, 1939, Serial No. 302,691
2 Claims. (Cl. 252—322)



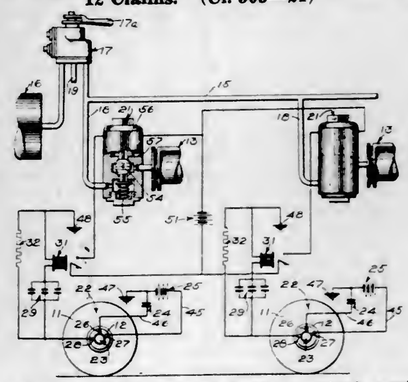
1. The process of dehydrating oils which comprises: flowing a continuous stream of emulsified oil containing saline water through a mass of contact material submerged in a saline solution of about the same salinity as that of said water to effect coalescence of some of said water with said solution, removing some of said coalesced solution from said stream, then passing said stream while still containing some emulsion through further contact material submerged in a saline solution of greater salinity than that of the solution remaining in the oil to effect coalescence of said solutions, removing substantially all of the coalesced solutions from the oil, then passing the oil through further contact material submerged in fresh water to remove any remaining small percentages of said solutions and to effect solution of any contained solid salts, and removing the thus contaminated fresh water from the oil.

2,270,413
SPEED CONTROLLED BRAKE
John Canetta, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,935
3 Claims. (Cl. 303—21)

1. In a brake control apparatus for a wheeled vehicle of the type having a pipe chargeable with fluid at different pressures to select the degree of application of the brakes associated with the vehicle wheels, and variably conditionable means responsive to a given pressure in said pipe for causing fluid to be supplied at any one of a plurality of different pressures depending upon the condition thereof to cause the application of the brakes to corresponding different degrees; the combination of a source of direct-current voltage, an electrical condenser, a circuit, switch means operative to cause said condenser to be alternately charged to the voltage of said source and discharged into said circuit at a frequency proportional to the rotational speed of a wheel of the vehicle to provide a direct-current therein substantially proportional to the speed of the vehicle, and a plurality of relays each of which has an operating winding connected in said circuit and respectively responsive to different degrees of current in said circuit for causing an operative response of the corresponding relay, said relays being adapted to cause the variably conditionable means to be conditioned in any one of a plurality of different conditions depending upon which of said relays have operated in response to the current in said circuit.



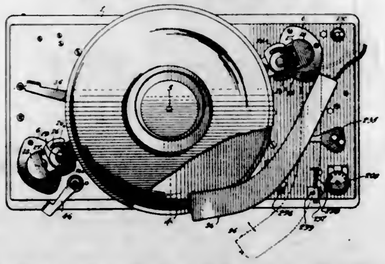
2,270,414
BRAKE CONTROL MEANS
John Canetta, Wilkinsburg, and Paul N. Bossart, Cheswick, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 15, 1940, Serial No. 352,770
12 Claims. (Cl. 303—21)



1. In a vehicle wheel brake control equipment of the type having means under the control of the operator for controlling the application and the release of the brakes associated with the wheels of the vehicle and control means operative to effect a rapid reduction in the degree of application of the brakes associated with a vehicle wheel, the combination of a source of direct-current voltage, an electrical condenser, means providing a discharge circuit for said condenser, means effective to cause said condenser to be alternately charged to the voltage of said source and discharged into said discharge circuit at a frequency proportional to the rotational

speed of the said vehicle wheel to cause a direct-current to flow in the discharge circuit substantially proportional to the rotational speed of the said vehicle, and means responsive only to the change of current in said discharge circuit at a rate exceeding a certain rate which occurs only when the said wheel slips for effecting operation of said control means.

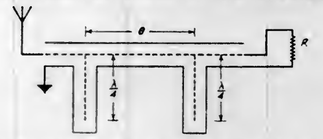
2,270,415
PHONOGRAPH
Pliny Catucci, Newark, N. J.
Application April 6, 1940, Serial No. 328,180
6 Claims. (Cl. 274—10)



6. In an apparatus for playing a plurality of phonograph records successively, a base plate, a turntable rotatably mounted above the base plate, a pair of posts mounted on the base plate and diametrically arranged with respect to the turntable, each of said posts having a shaft passing therethrough, offset platforms rotatably mounted on said posts, a first gear attached to said shaft, a second gear in mesh with said first gear and fixed to a stub shaft rotatably mounted in said platform, a record supporting plate fixed to said stub shaft, a record separator fixed to said stub shaft and having a main body provided on the opposite sides thereof with a pair of fingers, one of said fingers being spaced a greater distance from the supporting plate than the other finger so that the separator can accommodate records of two different thicknesses, means to move the platform to either of two predetermined positions with respect to the turntable depending upon the diameter of the record being played, said second gear having a planetary movement about the first gear during the movement of said platform, to move the record separator into position to present the proper separating finger for the size of the record being played, and means operable at the completion of the playing of a record to rotate said first mentioned shaft to cause the rotation of the record separator to present a finger in engagement with the undersurface of the record above the lowermost record and to move the record supporting plate to a position to allow the lowermost record to be deposited on the turntable.

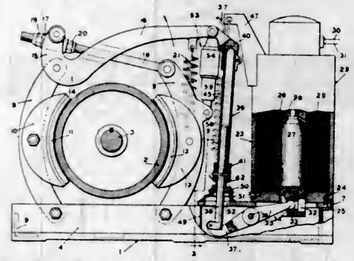
2,270,416
ELECTRICAL WAVE SYSTEM
Edward Cecil Cork, London, and Joseph Lade Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application December 22, 1937, Serial No. 181,136
In Great Britain December 23, 1936
12 Claims. (Cl. 178—44)

10. A high frequency transmission for transmitting a band of frequencies, including a two-conductor transmission line and at least two series tuned circuits presenting a low resistance to a selected frequency band, said tuned circuits being connected in shunt to the conductors of



said transmission line at points spaced apart by substantially one-quarter of a wavelength at the mid-frequency of said selected frequency band.

2,270,417
SOLENOID-CONTROLLED BRAKE
John C. Cox, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 26, 1940, Serial No. 362,904
6 Claims. (Cl. 188—171)

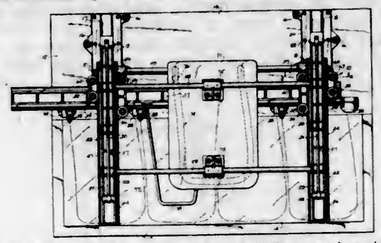


1. In braking mechanism, a rotatable drum, brake shoes for engaging the drum, means for actuating the brake shoes comprising a lever extending to one side of the brake, a solenoid positioned adjacent the said one side of the brake and comprising an upright stationary winding and a plunger reciprocable therein, a lever pivoted adjacent the lower end of the solenoid and having one end connected to the plunger, an upright rod operatively connected at its upper end to the first named lever and at its lower end to the second named lever, a spring for causing the first named lever to apply the brakes, and a second and lighter spring for releasing the brakes, said solenoid when energized causing the plunger, the second named lever and the rod to prevent said first spring from holding the brakes applied and permitting the second spring to release the brakes.

2,270,418
CUTTING MACHINE
Joseph P. Crowley and Arthur W. Goralske, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 24, 1939, Serial No. 305,782
6 Claims. (Cl. 33—27)

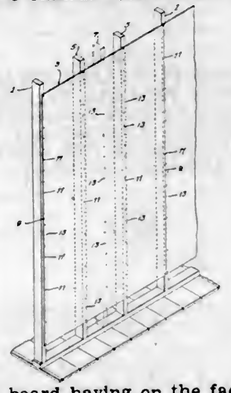
1. In a machine for cutting sheets or plates of glass and the like, a table for supporting the sheet to be cut in a horizontal position, a cutter support positioned above said table, a cutting unit carried by said cutter support and including a cutting tool freely rotatable about a vertical axis and having a cutting edge, means for mounting said cutter support for horizontal movement to carry said cutting tool over and in engagement with the sheet to score the same, means engageable by said cutting unit at the completion of the cutting operation for raising

said cutting tool from the sheet, and means effective upon raising of said cutting tool for bringing the same into position so that when it is returned



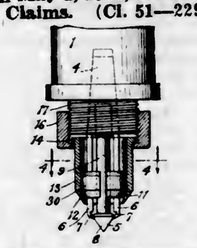
to the sheet at the beginning of the next cutting operation the cutting edge thereof will be tangent to the line of cut.

2,270,419
COVERING MATERIAL
Henry F. Debo, Kenmore, N. Y., assignor to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland
Application November 18, 1936, Serial No. 111,427
Renewed January 6, 1939
6 Claims. (Cl. 20—4)



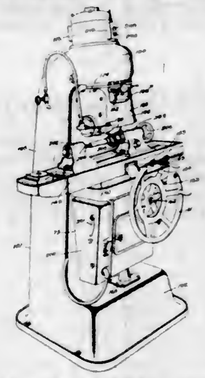
1. A wall board having on the face to be exposed thereof marks for locating the fasteners to be inserted therethrough into the supporting structure, said marks being greater in number than the number of locations of fasteners to be inserted and being made with a fading ink.

2,270,420
DIAMOND HOLDER
Julius Dinhofer, New York, N. Y.
Application May 1, 1941, Serial No. 391,236
6 Claims. (Cl. 51—229)



1. A stone-holder for diamond-polishing machines comprising, a head provided with a conical recess, a stone holder having a tapered end entrant into said recess, said stone holder being provided with several integral, resilient fingers for holding a stone between them, an abutment located between the fingers and against which a portion of the stone rests, a collar adjustable on the head, a clamping ring engaged by the collar, and co-operating cam surfaces on the clamping ring and fingers for causing the fingers to be moved toward one another when the collar is adjusted on the head.

2,270,421
MACHINE FOR CUTTING GEARS
Robert S. Drummond, Detroit, Mich.
Application January 26, 1935, Serial No. 3,662
In Great Britain August 17, 1931
21 Claims. (Cl. 90—1.6)

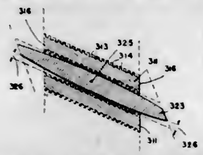


1. A machine for finishing gears comprising an arbor for mounting a gear to be finished for free rotation, a finishing element in the form of a mating gear for said gear to be finished having teeth conjugate to the teeth of the gear to be finished, and positioned so that the axes of the element and of the gear to be finished lie in no common plane and cross at an angle of less than 30°, the teeth of said element being interrupted by narrow grooves forming cutting edges, means for driving one of said gears and means for causing relative movement of said gear and finishing element so that the center of crossed axes traverses the entire face of the gear to be finished, means operable at the end of each reciprocation to feed one of said gears toward the other, means for non-yieldingly maintaining the distance between said axes between feeding movements, timing means for stopping operation of the machine after a predetermined number of reciprocations, and pre-setting means independent of the timing means to interrupt the feeding movement after a definite number of reciprocations.

2,270,422
METHOD OF CUTTING GEARS
Robert S. Drummond, Detroit, Mich.
Application August 10, 1936, Serial No. 95,252
6 Claims. (Cl. 90—1.6)

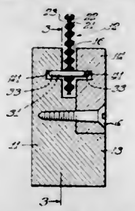
1. The method of finishing the teeth of a gear member to uniform dimensions from end to end which comprises meshing the gear member with a gashed, rotary tool member with the axes of said members crossed at an angle of less than 30°, rotating one of said members directly, relatively translating said members in a plane parallel to the axes of both of said members an

amount sufficient to cause the teeth of said tool member to engage the teeth of said gear member adjacent one end thereof while maintaining the axes of said members rigidly spaced, relatively feeding said members toward each other substantially at the end of said translation to



reduce the spacing of said axes, and reversing said relative translation to cause the contact between the teeth of said tool member and the teeth of said gear member to move progressively to the opposite ends of said gear teeth, while maintaining said axes rigidly at said new spacing.

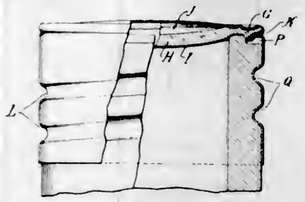
2,270,423
SCREEN FRAME LACER RETAINER ASSEMBLY
Walkley B. Ewing, Grand Rapids, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 26, 1940, Serial No. 315,713
8 Claims. (Cl. 156—14)



1. A window screen and frame assembly including a piece of longitudinally resilient screen composed of a plurality of pairs of longitudinally extending warp wires and a plurality of parallel ribbon-like filler wires disposed with their major surfaces at a predetermined angle to the normal plane of the screen and held in position by integrating twists between said warp wires, end frame members for holding the end portions of said screen under tension, said frame members each being formed with an elongated recess opening in the direction of the mid-portion of said screen, and lacer-like retainer means passing through the interstices defined between an adjacent pair of said parallel ribbon-like filler wires and engaging said end frame members within said recesses for retaining said end portions of said screen therein under tension while maintaining the same substantially in the normal plane of said screen.

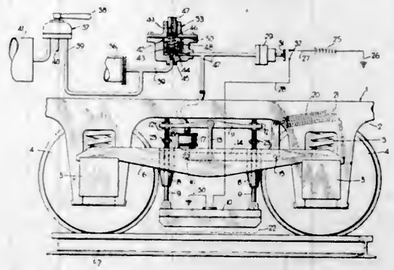
2,270,424
RECEPTACLE SEALING CAP
Edward H. Fabrice, Chicago, Ill.
Application February 19, 1940, Serial No. 319,649
1 Claim. (Cl. 215—43)

A sealed receptacle comprising in combination, a receptacle equipped with a mouth equipped with an annular upwardly projecting bead spaced from the outer edge of the said mouth and equipped with an upper edge convex in cross section and a closure cap of resilient sheet metal mounted upon said neck portion and including a skirt portion and a crown portion, the latter and the upper end of the skirt portion equipped with an annular inwardly projecting folded expansible flange disposed over and spaced from the portion of the rim of the said mouth surrounding said bead, a resilient concavo-convex gasket having its convex face opposed to said bead and its middle portion projecting into the said mouth and its marginal edge portion



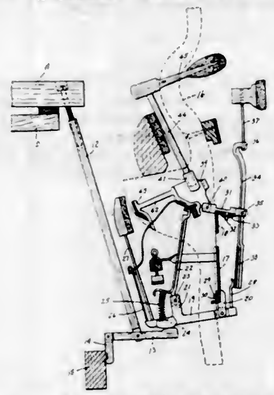
clamped between the marginal edge portion of the crown and said folded flange, said skirt portion and neck equipped with interengaged formations for detachably joining the same and permitting the exercise of manual force on the cap to effect compression of the portion of the gasket overlying the bead between the latter and the opposed portion of the crown, there being a free space between the latter and the gasket.

2,270,425
TRACTION INCREASER APPARATUS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 28, 1940, Serial No. 367,483
4 Claims. (Cl. 303—3)



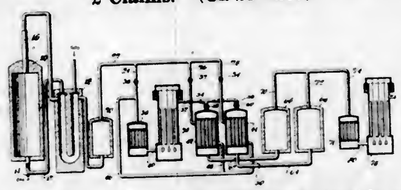
2. In a traction increaser apparatus for a railway vehicle having a truck mounted on wheels through the medium of journal boxes and also having a member comprising a part of the truck and being supported on said journal boxes and spaced from a track rail on which the wheels roll at a predetermined fixed distance, in combination, a vertically movable magnetic traction increaser device carried by said member, means for maintaining said traction increaser device in an ineffective position above a track rail, means carried by said member for actuating said traction increaser device to an effective position just above the track rail, means for at the same time energizing the traction increaser device to render it effective to increase the traction between the vehicle wheels and the rail, a fluid pressure operated brake cylinder device for applying the brakes on the vehicle, and means controlled by the pressure in said brake cylinder device for controlling the actuation of said traction increaser device to its effective position and its energization.

2,270,426
PIANO ACTION
Cyril Farny, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application October 28, 1940, Serial No. 363,151
2 Claims. (Cl. 84—240)



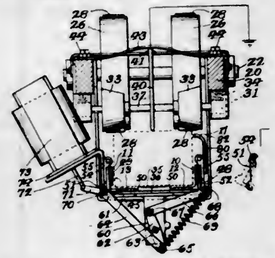
1. A piano action having a supporting frame including a rail to which movable elements of the action are adapted to be pivotally connected, a metal flange for pivotally connecting one of said elements to its supporting rail, said flange having a surface seatable on said rail, a bifurcated end formed on said flange spaced from the rail for receiving and pivotally supporting therein the said element, a boss integrally formed with said flange and extending from the seating portion thereof through an aperture formed in the rail to receive the same, said boss extending through the rail and protruding beyond the opposite side thereof from that upon which the flange is seated, and a locking member secured to the protruding end of said boss and bearing against said rail to rigidly secure the flange thereto.

2,270,427
SYSTEM FOR REDUCING SULPHUR DIOXIDE TO SULPHUR BY NATURAL GAS
Edward P. Fleming and T. Cleon Fitt, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application August 15, 1939, Serial No. 290,152
2 Claims. (Cl. 23—260)



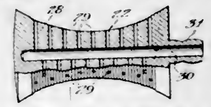
1. A system for reducing sulphur dioxide with natural gas comprising a reduction furnace, a first catalyst chamber to which the gases pass from the reduction chamber, a first sulphur precipitating unit, a pair of second catalyst chambers in parallel, conduits and control valves for supplying gases from the first catalyst chamber to the first precipitating unit and thence to said second catalyst chambers, a final sulphur precipitating unit to which gases are passed from said second catalyst chambers, means for heating gases from the first precipitating unit prior to their entrance into said second catalyst chambers by heat exchange with hot gases from said first catalyst chamber, and means for returning said last mentioned gases to said first precipitating unit.

2,270,428
CAN-SORTING MACHINE
Eber Leroy Flint, Sheridan, Mich.
Application July 8, 1939, Serial No. 283,482
2 Claims. (Cl. 209—81)



1. In a can-sorting machine, ways for conducting cans along a definite path and provided with an opening through which unlabeled cans are discharged, L-shaped members located at opposite sides of the opening, each L-shaped member including a vertically disposed leg and a horizontally disposed leg integrally formed with the vertical leg, means for pivotally mounting the upper end of each vertical leg of the L-shaped member above the way, the horizontally disposed leg of each of the L-shaped members normally projecting into the opening for completing the way to permit labeled cans to pass over the opening, means for positively swinging the L-shaped members outwardly from the opening and including a lever pivoted intermediate the ends thereof below the way, a rod projecting laterally from an end of each L-shaped member where the legs of said members are joined, a link connecting one end of the lever with a rod on one L-shaped member, a bell crank secured to the rod on the other member, the free end of one arm of the bell crank being connected to the other end of the first lever and an electrically operated means for causing oscillation of the other arm of said bell crank and returning the levers and L-shaped member to normal position, contacts connected with the electrically operated means and with a source of current and adapted to be bridged by an unlabeled can.

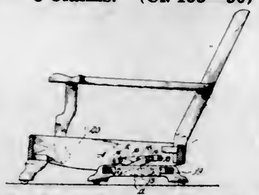
2,270,429
HAIRDRESSING APPARATUS AND METHOD
John Fluegel, Chicago, Ill., assignor of one-fourth to Ernest F. K. Fluegel, one-fourth to Valentino B. Taranto, one-fourth to Edward L. Fabry, and one-eighth to Jean Andre Gourguechon, all of Chicago, Ill.
Application November 7, 1940, Serial No. 364,618
7 Claims. (Cl. 132—33)



1. Apparatus for hair dressing, comprising a compressed air holder, a plurality of tubes connected to the holder, means for automatically controlling the passage of compressed air from

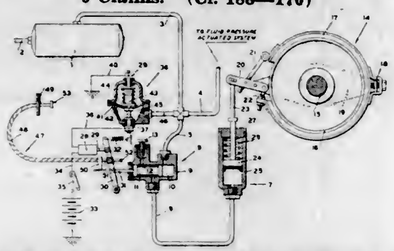
each of said tubes, and a plurality of closed cylindrical members, each having an air chamber therein, an air inlet port communicating with the air chamber and an apertured cylindrical wall portion between the ends of the member, the apertures in the wall portion also communicating with the air chamber, said apertured wall portion being limited to the area intended to be covered by hair wound on said member, said tubes being adapted for detachable connection to the air inlet ports of said cylindrical members, and said means for automatically controlling the passage of compressed air from each of said tubes being operable by connecting said tube to one of said cylindrical members.

2,270,430
METAL FIXTURE FOR RECLINING CHAIRS
Martin Fox, Chicago, Ill., assignor to The Seng Company, Chicago, Ill.
Application March 8, 1939, Serial No. 260,627
3 Claims. (Cl. 155—56)



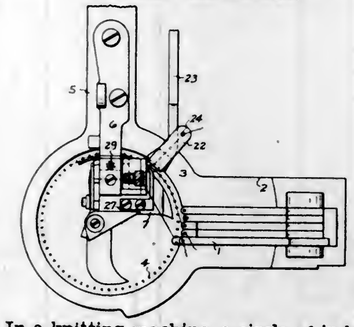
1. A metal fixture for connecting the seat and supporting base of a reclining chair of that type in which the side pieces of the seat frame and end pieces of the base are out of vertical line with each other, said fixture comprising spaced apart attaching plates, a pair of links pivoted at their ends to the inner sides of the companion attaching plates and extending respectively from an end of one plate to the opposite end of the other plate so as to cross each other between the plates and provide for a tilting movement of one of the plates with respect to the other, and complementary stop shoulders at the pivot ends of the links at one end of the fixture for limiting the tilting movement, the outer sides or faces of the plates presenting flat surfaces for intimate contact with the inner side of a side rail of the seat and outer side of an end piece of the supporting base.

2,270,431
EMERGENCY BRAKE CONTROL MECHANISM
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 19, 1941, Serial No. 398,701
9 Claims. (Cl. 188—170)



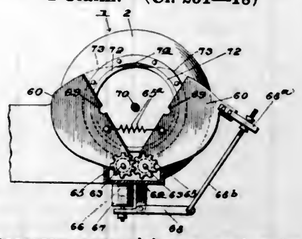
1. In combination with a fluid pressure-actuated system provided with a stored source of fluid pressure, a brake, spring means for applying said brake, means operable by fluid pressure from the source of pressure for maintaining said brake disengaged, and means controlled by fluid pressure from the source for preventing pressure from the source from maintaining the brake disengaged and permitting engagement of the brake by the spring means when the pressure of the source drops below a predetermined value.

2,270,432
YARN BINDER FOR KNITTING MACHINES
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 22, 1940, Serial No. 330,857
7 Claims. (Cl. 66—134)



6. In a knitting machine, a circle of independent needles, feeding means for a plurality of yarns to be fed to said needles, an elastic yarn feeding means spaced from said first mentioned feeding means and a binder and cutter for each type of yarn, the construction including a guard member and being such that upon change of yarns interference between yarns fed at the first mentioned means and the elastic yarn is avoided, said guard member being so constructed as to keep the elastic yarn as it is floated or taken within its binder and cutter, separate from the yarns being fed at the first mentioned feeding means.

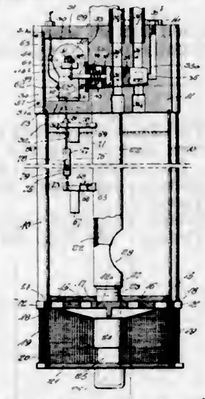
2,270,433
OIL BURNER ACCESSORY
John Goffredo, Roseto, Pa.
Original application July 7, 1939, Serial No. 283,265. Divided and this application December 15, 1939, Serial No. 309,468
1 Claim. (Cl. 251—18)



An accessory comprising a casing having an air entrance, said casing being slotted the major part of its circumferential distance but leaving a bridge-piece connecting the separated portions of the casing, supporting means on the casing substantially opposite to said bridge-piece, a pair of shafts journalled upon the supporting means and longitudinally arranged with respect to said

casing, a closure plate fixedly carried by each shaft, a gear secured to each shaft with the gears intermeshing, means for operating the closure plates including a bar pivoted intermediate its ends on the supporting means, and a link having one end pivotally connected with one end of the bar, means for connecting the other end of the link with one of the plates, and means for causing rocking of the other end of the bar.

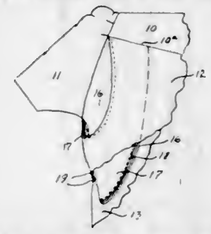
2,270,434
PUMP
John F. Gould, Little Rock, Ark.
Application October 12, 1940, Serial No. 360,982
12 Claims. (Cl. 103—241)



1. A pump of the character described comprising a tank having a water inlet valve at its lower end, a head on the upper end of the tank having a recess therein, a water discharge pipe opening through the head and having an end positioned within the tank, said discharge pipe having a water inlet therein, air inlet and outlet passages communicating with the interior of the tank through said head, a valve for controlling said air passages, solenoids in the recess, a core mounted for reciprocation within the solenoids and operatively connected to said valve, means for supplying a current of electricity to the solenoids, means for controlling said current to alternately energize the solenoids whereby to reciprocate the core, means operable by water in the tank for actuating the current controlling means, and means for supplying compressed air to the air inlet passage.

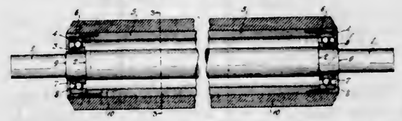
2,270,435
SLEEVE ARRANGEMENT FOR GARMENTS
Rose B. Hansen, Asheville, N. C., assignor of one-tenth to Helen B. Steinbrecher
Application April 10, 1940, Serial No. 328,951
5 Claims. (Cl. 2—93)

1. In a garment having a front, back, arm holes and sleeves; a free-swing connecting insert between said sleeves and said garment, comprising a pair of similar and substantially J-shaped pieces of fabric, each comprising a leg and an integral tail, said pieces being superposed to provide an under and an outer piece, the upper ends of the legs of said pieces being joined and connected to a shoulder portion of said back of said garment, the concave and convex edges of each piece merging into a point at the end of the tail, said pieces being joined together throughout the length of their convex side edges, the concave side edge of said under piece being attached to an upper side edge and arm hole edge of the back of said garment and an arm hole edge of the front of said garment, the upper side edge of the front of said garment above said arm hole edge being connected to said sleeve, the con-



cave edge of the outer piece being connected throughout its length to said sleeve and means rigidly connecting a portion of said under piece only to a side portion of said garment below said sleeve, said last named means being positioned intermediate said concave and convex edges of said under piece.

2,270,436
PRINTING ROLLER
William C. Hart, Kew Gardens, N. Y.
Application July 31, 1940, Serial No. 348,639
8 Claims. (Cl. 91—67.8)

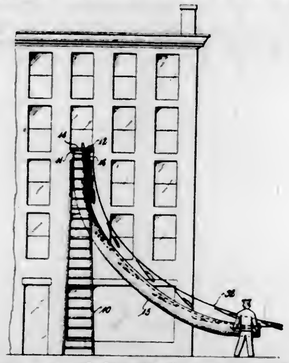


1. A ball-bearing roller core provided with a central shaft, a ball bearing unit supported on said shaft having an inner ring abutting against a shoulder on said shaft, a cylinder spaced from the shaft and encircling the same, said ball bearing unit encircling a different portion of said shaft than said cylinder and positioned adjacent to an end of said cylinder with the outer ring of the ball bearing unit tightly pressed against an outer edge surface of said cylinder, a cap engaging an outer portion of said cylinder and having a flange in tight engagement with the outer edge of the outer ring of the bearing unit, the outer surface of the periphery of the cap and of the cylinder forming the exterior surfaces of the roller core and being adapted to receive a cast-on composition.

2,270,437
LIFE SAVING DEVICE
Charles Herendeen, Chicago, Ill.
Application March 26, 1941, Serial No. 385,348
5 Claims. (Cl. 227—39)

1. A life saving device comprising, in combination: a tubular chute; a rim secured in an upper end of the chute to hold the same open, comprising vertical and horizontal rigid members; a frame formed with vertical and horizontal members defining an opening receiving said rim, said frame also comprising a rigid member in spaced relation to said vertical members to span the upper edge of a structure to which the device is to be attached; substantially semicircular rigid members secured to the uper portion of the lower end of the chute provided with means to be grasped to support the lower end of the chute

in a position approaching the horizontal whereby to preserve flexibility of the lower portion of



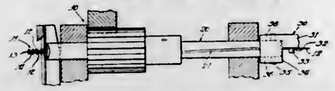
said lower open end for discharge of bodies sliding through the chute, without injury.

2,270,438

MULTIPLE PIN TENSIONING MEANS

Ira B. Hill, Kent, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application August 3, 1940, Serial No. 350,549
5 Claims. (Cl. 140—36)



1. In a wire weaving machine quill feed tension assembly including an elongated rotatable quill provided with means for guiding a pair of warp wires from the rear end thereof to the forward twisting end thereof, and means for delivering said warp wires under a predetermined tension to said guide means, said means comprising an elongated rotatable body member provided on its forward end with joint means for connecting the same to the rear end of said quill for driving relation therewith, said member being particularly characterized by the provision between the ends thereof of a substantially flat coaxially extending wire engaging surface offset from and facing the axis of said body member whereby both of said warp wires may be passed therealong and delivered to the rear end of said quill on opposite ends of the same diameter of said quill and means intermediate the ends of said body member for applying a predetermined resistance to the passage of said wires along said surface.

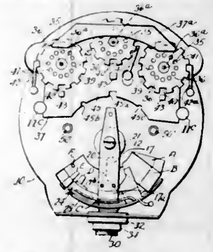
2,270,439

COMBINATION LOCK WITH ELECTRICAL SWITCH CONTROL

George T. Hosking, Stoughton, Mass.

Application February 9, 1939, Serial No. 255,503
4 Claims. (Cl. 200—43)

1. The combination with a slide plate having one edge provided with an approximately concave cam-portion, a pivotally mounted actuator arm having one end thereof in normal engagement with said cam edge, in such manner that pivotal movements of said arm will impart sliding movement to said plate, means for adjusting said arm, and means for releasably limiting said movement of the slide plate in such manner as to prevent pivotal movement of said arm, of an electrical switch having a movable contact member arranged beneath and parallel with said actuator arm, and means for coupling said actu-



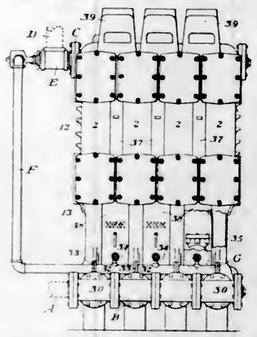
ator arm and said contact member in such manner as to normally prevent relative movement thereof.

2,270,440

APPARATUS FOR HEATING LIQUIDS

Louis N. Hunter and Bidermann T. du Pont, Johnstown, Pa., assignors to The National Radiator Company, Johnstown, Pa., a corporation of Maryland

Application November 24, 1939, Serial No. 305,816
8 Claims. (Cl. 122—210)



1. A heating apparatus for the heating and treatment of liquids comprising at least three hollow sections in side-by-side relation with spaces between the sections, each of said sections being generally symmetrical about a median longitudinal plane, burners between the sections above the bottoms thereof whereby the bottom portions of the sections are below the zone of direct heat supplied by the burners, and means for introducing liquid to be heated into the bottoms of the sections below the burners and removing it from the top.

2,270,441

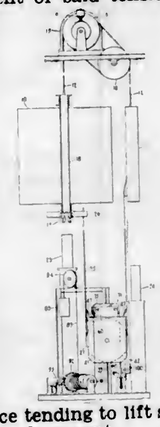
ELEVATOR SAFETY DEVICE

Frederick Hymans, Larchmont, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application October 8, 1940, Serial No. 360,221
9 Claims. (Cl. 187—22)

1. An elevator system comprising, an elevator car, a counterweight, hoisting mechanism for said car and counterweight including hoisting roping, compensating roping, a tensioning sheave for said compensating roping, and means for tying down said tensioning sheave against more than a limited amount of upward movement, said last named means including means

enabling more than said limited amount of upward movement of said tensioning sheave only



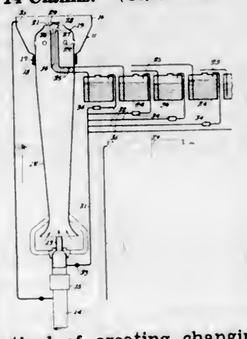
when the force tending to lift said sheave exceeds a predetermined amount.

2,270,442

COLORED FLAME PRODUCTION AND CONTROL

Joseph Jares, Brooklyn, N. Y.

Application February 27, 1939, Serial No. 258,817
14 Claims. (Cl. 67—1)



2. The method of creating changing colored flame effects, which comprises mixing air and gas under pressure to provide a semi-luminous flame and selectively applying the pressure of the gas to force different color forming ingredients to the flaming mixture.

13. In apparatus of the character disclosed, the combination of a gas burner, a gas supply line connected therewith, a flame coloring material reservoir, material feeding connections extending from said reservoir to said burner, pressure supplying connections extending from said gas supply line to said reservoir, a pressure relief valve connected with said reservoir and a pressure control valve in said pressure supply connection.

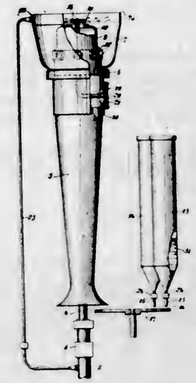
2,270,443

FLAME PRODUCTION AND CONTROL

Joseph Jares, Teaneck, N. J.

Application March 15, 1941, Serial No. 383,560
6 Claims. (Cl. 67—1)

2. Apparatus of the character disclosed, comprising a gas-air mixer of the injector type, a conveyor having a range of travel from a point removed from the field of suction into the field of suction at the inlet end of said gas-air mixer and one or more supply reservoirs having valved



discharges controllable to deposit material on said conveyor at a point removed from the field of suction.

2,270,444

RECOVERY OF VANADIUM FROM VANADIUM BEARING MATERIALS

Leslie G. Jenness, Englewood, N. J., assignor, by mesne assignments, to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application August 15, 1940,
Serial No. 352,798
13 Claims. (Cl. 23—17)

1. The process of increasing the extractable vanadium in vanadium bearing materials which contain as components a member from the group composed of silica and alkaline earth metal compounds, which comprises, adding an amount of at least one of said components which will bring the temperature of incipient fusion of said material between approximately 1700° to 1900° F., and roasting the resulting material at said temperature of incipient fusion so as to increase the content of vanadium which is extractable by weak acidic solutions or chlorination.

2,270,445

RECOVERY OF VANADIUM, URANIUM, AND RADIUM FROM THEIR ORES

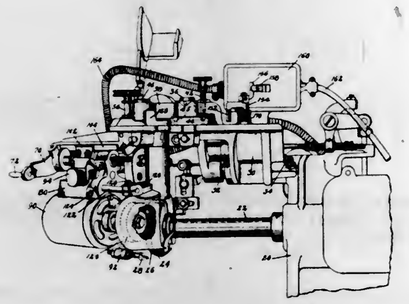
Leslie G. Jenness, Englewood, N. J., assignor, by mesne assignments, to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application August 15, 1940,
Serial No. 352,813
10 Claims. (Cl. 23—17)

9. The process of separately recovering vanadium and uranium from ores containing the same which also contain compounds of other metals which form oxides in which the metal is trivalent and which contain as a component a member from the group composed of silica and alkaline earth metal compounds, which comprises adding an amount of at least one of said components which will bring the temperature of incipient fusion of said ore to approximately 1800° F., roasting the resulting ore at said temperature of incipient fusion so as to increase the content of vanadium which is extractable by weak acidic solutions or chlorination, extracting vanadium from said material with a mixture of gases consisting essentially of sulphur dichloride and chlo-

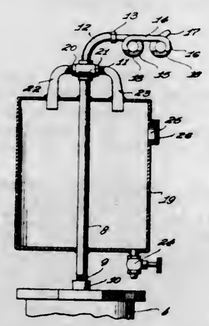
rine and then leaching uranium from said material with a solution of an alkali metal carbonate.

2,270,446
GRINDING MACHINE
Arthur S. Johnson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 11, 1939, Serial No. 250,384
12 Claims. (Cl. 69—1)



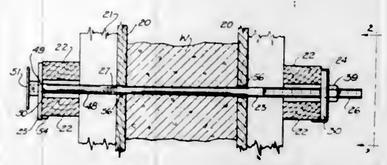
1. The method of grinding the bristles of a wire brush which consists in rotating the brush in the direction in which it normally rotates during its use and rotating a grinding wheel in contact with the ends of the bristles of the brush with a greater peripheral speed than that of the brush and with the contacting portions of the brush and the grinding wheel moving in the same direction.

2,270,447
TANK TESTING DEVICE
Ervin M. Jones, John L. Smith, and Stephen H. Trinneer, Aberdeen, Wash.
Application September 29, 1939, Serial No. 297,188
3 Claims. (Cl. 73—51)



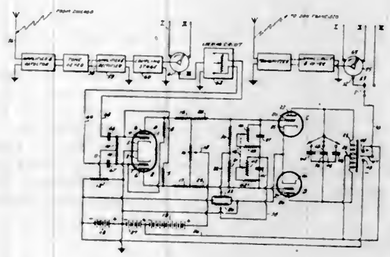
2. In a device of the class described, a pipe, means for connecting the pipe to a tank, an hermetically sealed casing surrounding the pipe and connected thereto in air-tight relation for creating a vacuum chamber about a section of the pipe, a union joint interposed in air-tight relation between the sealed casing and an indicating means, and an indicator tube fitted on the union and having a loop partially filled with liquid, said indicator tube having an apertured end portion for permitting inflow of air, said air passing through the liquid and into the pipe to replace air displaced by passage of liquid from the tank being tested, the flow of air through the loop and liquid therein causing bubbling of the liquid and indication of a leak.

2,270,448
ADJUSTABLE TIE FOR CONCRETE FORMS
Aage C. Juhl, Los Angeles, Calif.
Application May 31, 1939, Serial No. 276,590
9 Claims. (Cl. 25—131)



1. In the concrete form tie, the combination of: a tie rod externally screw-threaded at one end for a portion of its length; a nut on said screw-threaded end; a clamping block carried by said nut to ride free and clear of the threads, said block comprising a face plate adapted to engage the form, the adjacent end of the nut engaging the rear surface of said face plate; an annular channel in the nut and means cooperating between the clamping block and nut whereby the block may be adjusted to different positions on the rod and held against longitudinal movement thereon, there being cooperative surfaces on said rod and block whereby the block is held against rotation relative to the rod, the opposite end of the rod being screw-threaded to receive a second rod.

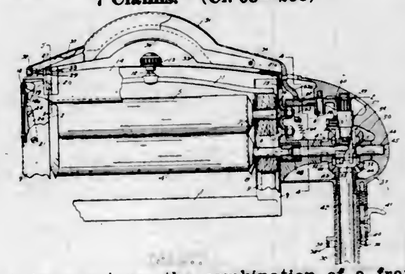
2,270,449
ELECTRICAL PHASE SHIFTING DEVICE
Alfred Kahn, Ozone Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 1, 1938, Serial No. 238,167
15 Claims. (Cl. 178—53)



1. In a multiplex telegraph system, a transmitter, a message channel, a gas triode adapted to be fired by a predetermined charge on its grid, means for connecting said channel to the grid and cathode of the triode, means connected between the plate and filament of the triode for applying potentials to the transmitter, a reactance connected between the grid and cathode

of the triode, means to adjustably by-pass current around the reactance to delay the building up of signal potentials on the grid to the firing point of the triode, and means to extinguish the plate current after decrease of grid potential below the firing point.

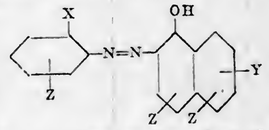
2,270,450
WRINGER
Walter L. Kauffman II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 8, 1938, Serial No. 194,560
7 Claims. (Cl. 68—253)



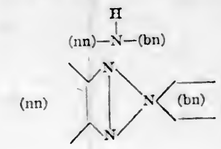
1. In a wringer the combination of a frame; rolls mounted in the frame; a pressure means for the rolls; a driving mechanism for the rolls at one end of the wringer frame; a safety mechanism for the wringer comprising a pressure release device and a control device for the driving mechanism, the pressure release device being at the opposite end of the wringer frame from the driving mechanism; an actuator extending between said devices and operatively connected therewith; and a selector mechanism carried by and operable with the actuator at the will of the operator permitting actuation of both devices or rendering the actuator inoperative as to one of said devices.

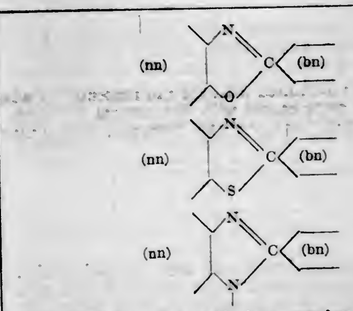
2,270,451
STILBENE DYESTUFFS AND THEIR MANUFACTURE
Ernst Keller, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application June 12, 1940, Serial No. 340,177. In Switzerland July 3, 1939
15 Claims. (Cl. 260—143)

10. The new stilbene dyestuffs from the condensation with dinitrostilbene disulphonic acid of an aminoazobenzene dyestuff of the general formula:



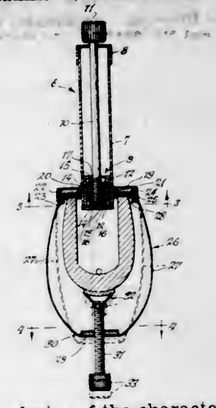
wherein X represents one member of the group consisting of hydroxyl, alkoxy, carboxyl and halogen, Y represents a benzene nucleus substituted by an amino group and linked to the naphthalene nucleus by a member of the group consisting of





(nn) meaning "naphthalene nucleus" and (bn) meaning "benzene nucleus," and Z represents one member of the group consisting of COOH, SO_3H and H, but at least once one of the members COOH and SO_3H.

2,270,452
PIPE CLEANING DEVICE
Charles J. Kern, Buffalo, N. Y.
Application March 19, 1940, Serial No. 324,812
3 Claims. (Cl. 131—244)

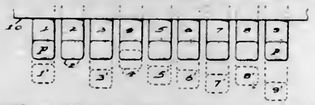


1. A cleaning device of the character described including a pump for drawing a cleansing fluid into a smoking accessory, said pump having a barrel and a plunger operable within the barrel, a cap-piece which is attached to one end of the barrel and which is formed with an opening, a sealing element which is carried by the cap-piece and which surrounds said opening, a U-shaped yoke having resilient, outwardly bowed arms, the terminals of which are permanently connected to the cap-piece to provide a closed resilient loop within which a bowl-shaped part is adapted to be arranged over said opening and means carried by said loop which acts against said bowl-shaped part to press the rim thereof against said sealing element, said loop being compressible to straighten said arms and thereby release said part.

2,270,453
DRAWBAR SELECTOR FOR ELECTRIC ORGANS AND THE LIKE
Raymond C. Kern, Green Lane, Pa.
Application October 21, 1940, Serial No. 362,019
6 Claims. (Cl. 84—343)

1. The combination with an organ or the like comprising a plurality of mechanical elements adapted for movement along parallel paths, of

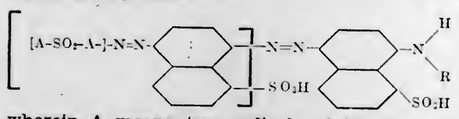
means for positioning said elements at preselected points along their several paths comprising a rail engageable with all the elements adjacent one end of their paths, and abutments interconnected with the rail respectively adapted for engagement with the several elements and spaced from the rail distances not materially



greater than the length of any of said paths, whereby the elements may be moved to one end of their paths by movement of said means in one direction while the rail is in engagement with the elements and to predetermined positions along said paths by selective engagement of the abutments with the elements when said means are moved in the opposite direction.

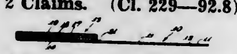
2,270,454
DISAZO DYESTUFFS AND THEIR MANUFACTURE
Adolf Krebser, Riehen, near Basel, and Werner Bossard, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 7, 1940, Serial No. 364,754. In Switzerland December 11, 1939
8 Claims. (Cl. 260—190)

1. The disazo dyestuffs having in the free state the following formula:



wherein A means two radicals of the benzene series and R a radical of the group consisting of alkyl radicals and aryl radicals of the benzene series, said dyestuffs being dark powders, soluble in water, dyeing the animal fibre blue to bluish-black shades of excellent fastness to milling, seawater and light.

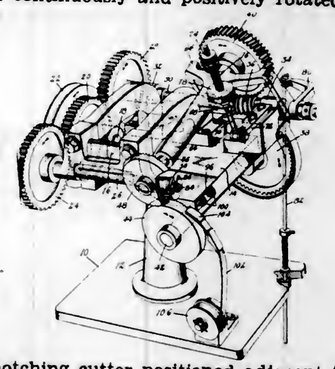
2,270,455
MAILING CIRCULAR
Malvin Lichter, New York, N. Y.
Application September 29, 1939, Serial No. 297,039
2 Claims. (Cl. 229—92.8)



1. In combination a mailing circular and return postcard therefor, said return postcard being an integral extension of said mailing circular; predetermining means facilitating the detachment of said return postcard from said circular; said return postcard comprising one lamination extending from said mailing circular and a second lamination extended from said first lamination folded thereon and adhesively bound thereto.

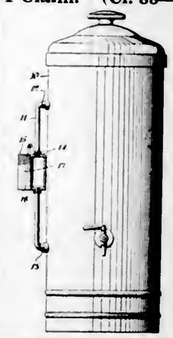
2,270,456
PINKING MACHINE
Harry Lyon, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 13, 1941, Serial No. 378,759
7 Claims. (Cl. 164—64)

1. In a machine for pinking the edge of a work piece, the combination of a work feeding wheel, means for continuously and positively rotating the same, a cooperating work supporting wheel, and a continuously and positively rotated work



edge notching cutter positioned adjacent to the feeding point between said wheels and having its axis of rotation parallel to the path of movement of the work between said wheels.

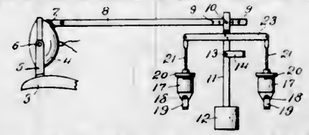
2,270,457
APPARATUS FOR COMPARING THE COLOR OF LIQUID COFFEE
John B. Martin, Glen Ridge, N. J.
Application September 6, 1940, Serial No. 355,551
1 Claim. (Cl. 88—14)



An attachment for coffee urns, having an outer standpipe, comprising a hollow glass cylinder adapted to be interposed in the standpipe at approximately the middle thereof, a solid glass cylinder integrally made with said hollow cylinder, said solid cylinder tinted to indicate a dark, a medium and a light color to indicate by comparison the color and thereby the strength of the coffee brewed in the urn and passing through the hollow cylinder to permit the regulation of the coffee brew to a desired strength.

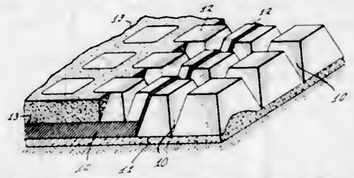
2,270,458
HEADLIGHT CONTROL MECHANISM
James H. McAdoo, St. Joseph, Mo.
Application October 19, 1939, Serial No. 300,203
1 Claim. (Cl. 240—62.2)

In a headlight control mechanism, in combination, a car frame, a headlight, means pivotally supporting said headlight on said frame on a horizontal transverse axis, a pendulum, means pivotally supporting said pendulum on said frame on an axis parallel with said axis, means connecting said pendulum with said headlight by which the latter may be circumferentially adjusted on its axis relatively to said pendulum and by which said headlight will be swung in opposite directions when said frame is tilted in opposite directions, a cross member rigidly fastened to said pendulum, two upright dash pots containing liquid, means pivotally



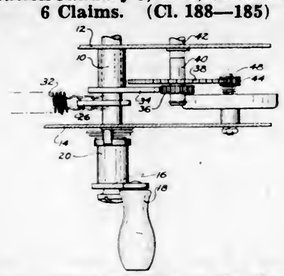
supporting said dash pots on axes parallel with the axis of said pendulum, and two pistons reciprocative in said liquid in said dashpots and pivoted to said cross member at opposite sides respectively of said pendulum by which said pistons will move simultaneously in opposite directions and swinging of said pendulum will be yieldingly resisted.

2,270,459
PAVEMENT
Kenneth E. McConnaughay, Otterbein, Ind.
Application July 29, 1938, Serial No. 221,933
4 Claims. (Cl. 94—9)



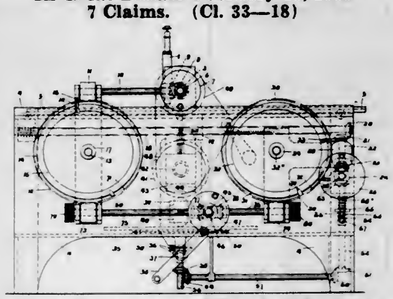
1. A pavement, comprising a base slab of concrete having two sets of intersecting grooves dividing its upper surface into segments, said grooves having a depth equal to more than half the thickness of the base slab and having inclined side walls converging downwardly to leave the base slab consisting of a plurality of rows of frusto-pyramidal concrete blocks interconnected near their bottoms by relatively thin concrete webs, the spacing of said grooves approximating their depth, a bituminous coating on the walls of said grooves, and concrete grouting filling said grooves and confined thereto to form a grid comprising intersecting ribs of wedge-like cross-section.

2,270,460
GOVERNOR MECHANISM FOR ADDING MACHINES
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application January 5, 1940, Serial No. 312,611
6 Claims. (Cl. 188—185)



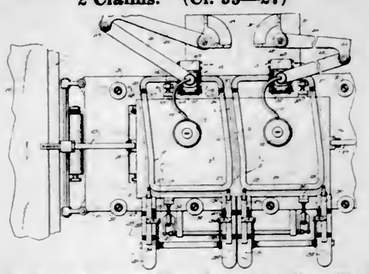
1. In an adding machine or the like having an oscillatory main shaft, means for controlling the speed of oscillation of said shaft comprising, a centrifugal governor mechanism, a speed increasing gearing connecting said main shaft with said centrifugal governing mechanism, said gearing including a frictional driving connection at the high speed end thereof.

2,270,461
APPARATUS FOR DRAWING, PLOTTING AND READING GRAPHS
Robert Arthur Mills, Leeds, England
Application February 7, 1940, Serial No. 317,783
In Great Britain February 18, 1939
7 Claims. (Cl. 33—18)



1. A graph making and like statistical recording apparatus, comprising in combination, a tracing point, a table for supporting a record sheet, an interconnected driving means for causing the simultaneous movement of said tracing point and said table relatively one to another, and indicating means responsive to the relative movement between tracing point and table, said indicating means including a pair of scales and a pair of cooperating pointers for determining the degree of the respective relative movements, one of said last named pairs of elements being driven, and the two elements of said driven pair being actuated respectively from the movement of tracing point and the table whereby said cooperating scales and pointers provide a visual indication of the ordinate and abscissa data.

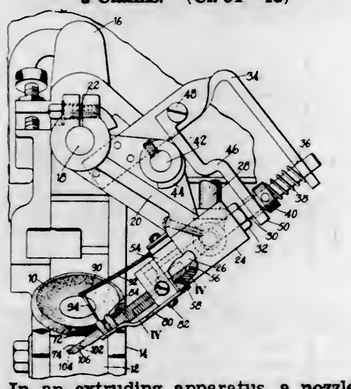
2,270,462
CUTTING MACHINE
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 27, 1940, Serial No. 326,222
2 Claims. (Cl. 33—27)



1. In a machine of the character described for cutting sheets of glass or the like, a vertically movable table for supporting the sheet to be cut, a track template mounted horizontally above said table, a cutting unit mounted to travel around said template and including a cutting tool for

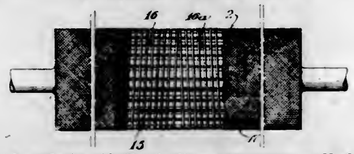
scoring the sheet, and supporting means for said template passing downwardly through openings in said table for supporting the said template in fixed position without interfering with the vertical movement of the said table or the travel of said cutting unit around said template.

2,270,463
FLEXIBLE NOZZLE
Russell K. Nash, Brookline, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application January 5, 1940, Serial No. 312,539
3 Claims. (Cl. 91—43)



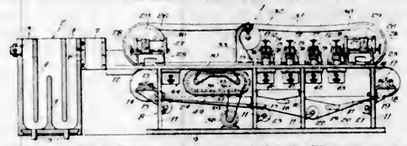
1. In an extruding apparatus, a nozzle comprising a plurality of rigid, yieldably mounted delivery members provided with passageways each of substantial diameter throughout the greater portion of its length and terminating in a bell-shaped mouth, the passageway between said mouth portion and the main portion having a diameter less than that of either portion and being constricted to an extent where dripping will be prevented, said delivery members cooperating to apply merging stripes of coating material upon an irregular surface, a supporting member having a supply passage, and pieces of flexible metallic hose for connecting each of said delivery members to said supply passage, said hose including a helically wound metallic strip.

2,270,464
VACUUM ROLL
William C. Nash, Neenah, Wis., assignor of one-fourth to Mary Jones, Neenah, Wis., one-fourth to William M. Nash, Menasha, Wis., one-fourth to Roy A. Nash, Bronxville, N. Y., and one-fourth to Marie Duvall Nash, Neenah, Wis.
Application January 11, 1939, Serial No. 250,295
4 Claims. (Cl. 92—51)



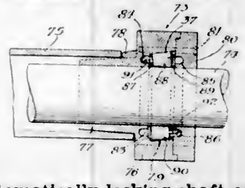
1. A substantially hollow vacuum roll for use in conjunction with a suction box of the type having an opening in its upper surface through which a portion of the roll surface protrudes and over which a flexible web passes, comprising a core, a roll skeleton carried by said core, spiral ribs carried on the periphery of said roll skeleton, said spiral ribs being pitched in one direction only from an intermediate portion of said roll to an end thereof, and being pitched in the opposite direction only from said intermediate portion to the opposite end of the roll, the loops of said spiral ribs being spaced to provide communication into the interior of the roll.

2,270,465
PAPERMAKING MACHINERY
William C. Nash, Neenah, Wis., assignor of one-fourth to Mary Jones, Neenah, Wis., one-fourth to William M. Nash, Menasha, Wis., one-fourth to Roy A. Nash, Bronxville, N. Y., and one-fourth to Marie Duvall Nash, Neenah, Wis.
Application January 11, 1939, Serial No. 250,296
1 Claim. (Cl. 92—44)



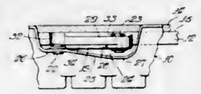
A machine for making a felted fibrous material which comprises a breast roll and a couch roll spaced therefrom, an endless paper forming wire carried around said breast roll and couch roll, means for discharging aqueous fibrous pulp upon said paper forming wire on the upper pass thereof adjacent said breast roll, a suction box positioned closely adjacent said breast roll beneath the upper pass of said wire, said suction box having an opening which faces the paper forming wire at its upper pass whereby the pulp upon said wire is substantially immediately subjected to suction upon its deposition upon said wire to quickly form a preliminary fibrous film upon said wire during passage over said opening, a plurality of tube rolls disposed transversely beneath said wire upon which said wire rides during its upper pass after passing over said suction box, means for moving said tube rolls transaxially in the direction of travel of said paper forming wire, and a suction box positioned beneath said wire and having an opening which faces said wire at its upper pass and after it has passed over said tube rolls, a foraminated roll rotatable in said last mentioned suction box which protrudes through the opening in said box and upon which said wire rides, and a press roll positioned immediately above said foraminated roll whereby said wire and web carried thereon is subjected to pressure between said rolls.

2,270,466
SHAFT COLLAR
William M. Nash, Menasha, Wis., assignor of one-fourth to Mary Nash Jones, one-fourth to Marie Duvall Nash, both of Neenah, Wis., and one-fourth to Roy A. Nash, Bronxville, N. Y.
Application December 14, 1938, Serial No. 245,611
9 Claims. (Cl. 287—52.09)



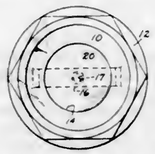
1. An automatically locking shaft collar which comprises a housing adapted to be slid into position onto and to removably embrace a cylindrical shaft, said housing being provided with a substantially annular recess which opens toward the cylindrical surface of said shaft, a wall defining said recess being radially spaced from said shaft and being undulated to form a plurality of crests which extend toward said shaft and troughs which extend away from said shaft, the defining wall of said recess adjacent said troughs being tapered in a direction longitudinal of said shaft, a plurality of tapered rollers positioned in said recess between said undulated wall and the cylindrical surface of said shaft, and means for confining a tapered roller in each trough, the taper of said rollers conforming substantially with the taper of said trough walls, the mean diameter of said tapered rollers being greater than the mean distance between the crests and said shaft whereby relative rotary movement of said housing with respect to the shaft wedges the rollers between the shaft and crests to prevent relative rotary movement of the housing and shaft, and relative axial movement of said housing and shaft in the direction of convergence of said tapered rollers locks said rollers between the housing and shaft, and means circumscribing said shaft connecting the axes of said rollers together to cause said rollers to move into locking position simultaneously.

2,270,467
FRICTION CLUTCH
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 13, 1939, Serial No. 278,848
9 Claims. (Cl. 192—68)



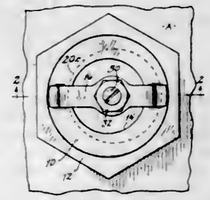
6. In a friction clutch, a flywheel and a pressure plate between which a driven plate is adapted to be engaged, a cover attached to the flywheel and enclosing the pressure plate, and at least three driving straps positioned between the cover and the pressure plate, each pivoted at one end to the cover and at its other end to the pressure plate, and arranged substantially chordal to a circumference of the axis of rotation, said straps being freely flexible laterally but non-stretchable longitudinally, said pressure plate being suspended upon and centered by said straps.

2,270,468
PRESSURE RELIEF VALVE
Henry C. Osborn, Jr., Cleveland Heights, Ohio, assignor to Glascote Products, Inc., Euclid, Ohio, a corporation of Ohio
Application August 2, 1940, Serial No. 349,469
5 Claims. (Cl. 137—53)



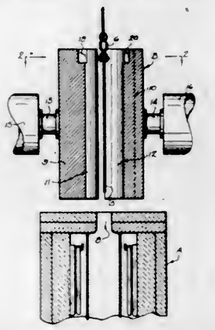
2. In a pressure relief valve, a disc having an enlarged central opening and an arm supported by said disc and projecting downwardly and inwardly therefrom to a point below said opening, a resilient flexible valve member having a diameter greater than the diameter of the opening, a rigid post carried by said disc and extending axially upward to exert an upward pressure on said valve member to dish and thereby retain the valve member seated against the under surface of the disc with a predetermined pressure, the perimeter of said valve member being free, whereby an excess pressure will force the valve member partially through said opening to open the valve.

2,270,469
PRESSURE RELIEF VALVE
Henry C. Osborn, Jr., Cleveland Heights, Ohio, assignor to Glascote Products, Inc., Euclid, Ohio, a corporation of Ohio
Application April 10, 1941, Serial No. 387,932
9 Claims. (Cl. 137—53)



5. In a pressure relief valve, a body having a valve port opening, a valve stem having an eccentric portion extending toward said valve port opening and movable from a position coaxial with said opening to a position eccentric to the axis of said opening, a resilient valve disc carried by said stem and engaging one surface on the body to close the opening therein.

2,270,470
METHOD OF BENDING GLASS SHEETS
Ormond H. Paddock, Rossford, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 14, 1939, Serial No. 284,537
4 Claims. (Cl. 49—84)



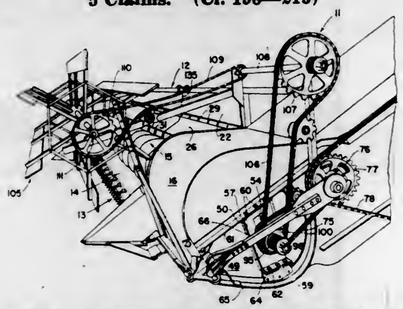
1. The method of bending glass sheets and the like, which consists in supporting the sheet in a vertical position, bending said sheet to a predetermined curvature between opposed bending surfaces, and maintaining the said sheet entirely within the area of said bending surfaces during the bending thereof.

2,270,471
AUGER CONVEYER FOR HARVESTER PLATFORMS

Harold W. Pilcher, Rock Island, and Alvin W. Oehler, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Original application March 1, 1940, Serial No. 321,678. Divided and this application August 17, 1940, Serial No. 353,078

5 Claims. (Cl. 198—213)



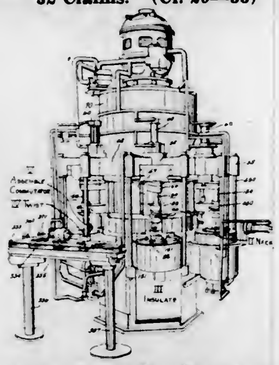
1. In a harvesting machine, a header platform having an end wall, a conveyer including a shaft extending across said platform and beyond said end wall, driving gear means mounted on said shaft outside of said end wall, the latter being apertured to receive said shaft, a bearing in which said shaft is journaled, a plate for supporting said bearing, the aperture being of sufficient size to permit the passage therethrough of the shaft with said gear, bearing, and plate thereon during assembly and disassembly, and means outside said end walls for securing said plate in said aperture.

2,270,472
MACHINE FOR MANUFACTURING ARMATURES WITH BAR WINDINGS

Lora E. Poole and Ernest R. Fausset, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 29, 1940, Serial No. 348,086

32 Claims. (Cl. 29—33)



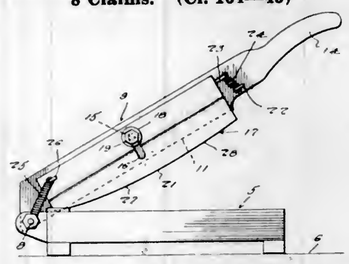
1. A machine for performing a sequence of operations upon an armature assembly comprising a shaft, a slotted core mounted on the shaft and bar windings assembled with the core, the bar ends extending from the core in concentric annular rows, said machine comprising, in combination, a work holder conveyor, a plurality of armature supporting work holders mounted upon the conveyor, a drive for intermittently moving the conveyor to cause the work holders to be carried successively to various stations and the armatures to be located in alignment with apparatuses located, respectively at various stations, apparatus at a station for bending the armature bar ends toward the armature shaft, apparatus at a station for locating a band of strip insulation in alignment with the annular space between annular rows of armature bar ends and for effecting the assembly of the band with the armature as the result of relatively bodily movement between a work holder and the apparatus axially of the armature, means for effecting relatively bodily movement between the work holders and said apparatuses, axially of the armatures, means for operating such apparatus as changes the shape of a part of the armature assembly, and control mechanism for effecting the operation of said means in sequence.

2,270,473
PAPER TRIMMER OR THE LIKE

Patrick Porcelli, Chicago, Ill.

Application August 29, 1940, Serial No. 354,749

8 Claims. (Cl. 164—45)



1. In a paper cutter or the like, a table on which the paper or the like is laid, said table having a straight edge along which the cut is to be made, a vertically swingable knife having one end pivoted on said table, the lower edge of said knife being its cutting edge, said knife being arranged to swing downwardly from a raised position into and below shearing relation with said straight edge, a combined paper clamp and knife edge guard, said guard comprising a block lying along the inner side of said knife, securing means mounting said guard on said knife for vertical and rocking movements relative to said knife, said securing means comprising a headed stud anchored to project laterally from an intermediate point on the inner side of said knife, a vertical slot formed in said block through which said stud extends with its head bearing against the inner side of the block and spring means normally yieldably depressing said block with respect to the knife so as to cause a lower portion thereof to depend below the cutting edge of said knife, the lower edge of said block having a substantial rocker curvature as compared to the cutting edge of the knife.

2,270,474
HIGHWAY LIGHTING SYSTEM

George D. Recher, Chicago, Ill.

Application September 5, 1939, Serial No. 293,310

3 Claims. (Cl. 240—25)

1. A highway lighting system comprising an elongated guard rail structure adapted to be mounted adjacent the edge of a highway to extend longitudinally thereof, a series of light-source means mounted on the top of said guard rail structure substantially above the curb level and extending longitudinally thereof, light-directing means associated with said light-source means and directing light rays therefrom downwardly and across the highway surface at a substantially uniform intensity throughout the length of the lighting system and confining said rays below the normal level of the eyes of persons driving vehicles along the highway, and baffle means located at longitudinally spaced intervals between said light-source means and extending transversely thereof a substantial distance from the longitudinal axis thereof to shut off direct vision of said light-source means from acute angles.

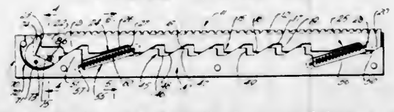


2,270,475
AUTOMATIC PERFORATING AND SCORING RULE

Harry Orville Reinsch, Compton, Calif.

Application October 8, 1940, Serial No. 360,247

8 Claims. (Cl. 164—98)



1. A device as described comprising a rule holder, a rule mounted therein, cam means interengaging the rule and the rule holder for elevation of the rule, a retracting guide device between the rule and the rule holder to guide the rule in its retracting movement, a bell crank pivoted to the rule holder and having a cam head arm, a platen pin having a roller positioned to engage the cam head arm and rock the bell crank to actuate the rule to a projected position.

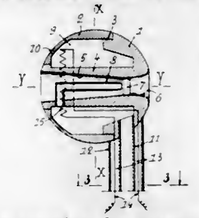
2,270,476
APPARATUS FOR MEASURING PRESSURE

Georges Rollin, Fives-Lille, Nord, France, assignor to Groupement Francais pour le Developpement des Recherches Aeronautiques, Paris, Seine, France, a company of France

Application August 29, 1939, Serial No. 292,537

In France September 19, 1938

5 Claims. (Cl. 73—213)



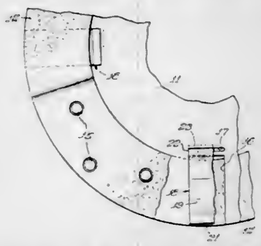
1. In an apparatus for measuring the static pressure in a turbulent fluid medium comprising, a hollow body providing a chamber therein and having a front end adapted to be directed towards an on-coming current of the fluid medium and a rear end, a conduit in said chamber extending from the front to the rear end and having an inner wall surface converging toward the front end of the body and thereafter flaring outwardly and opening on the front end of said body, a tube having an open end arranged in the narrowest cross sectional area of said conduit and directed towards the front end of said body and communicating with said chamber, the rear end of said body having a series of orifices therein arranged laterally of the axis of the conduit communicating with the chamber and of such cross sectional area that the pressure in said chamber will be equal to the static pressure to be measured, and an outlet supporting tube communicating with said chamber and extending from said hollow body in a direction diametrically opposite said orifices.

2,270,477
FRICTION CLUTCH

Carl A. Buesenberg, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 25, 1939, Serial No. 301,136

6 Claims. (Cl. 192—107)



1. In a friction clutch plate, a pair of axially spaced friction facings, a mounting disc having a peripheral region extending between and supporting said facings, said peripheral region having a portion thereof cut away, and a cushion spring, roughly elliptical in longitudinal contour having oppositely bowed intermediate regions engaging the inner surfaces of said facings, an end region confined in said cut away portion of said disc, said spring being adapted to urge said facings apart when the clutch is disengaged and to yield under clutch engaging pressure to a position wherein said intermediate regions are completely encompassed within the extended planes of the respective sides of said mounting disc, said spring being attached at its radially inner end region to said mounting disc adjacent the radially inner extremity of said slot and thereby supported against displacement under centrifugal force.

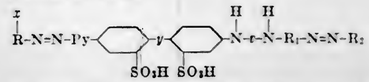
2,270,478
AZO DYESTUFFS

Max Schmid, Riehen, near Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 19, 1940, Serial No. 319,809. In Switzerland October 3, 1936

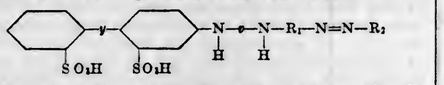
8 Claims. (Cl. 260—153)

1. The azo-dyestuffs having in the free state the general formula

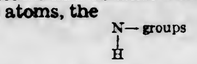


in which R stands for a nucleus of the group consisting of aromatic nuclei of the benzene and naphthalene series, x stands for a lake-forming group in ortho-position to the —N=N— group,

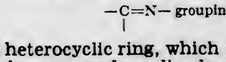
Py stands for the radical of a 5-pyrazolone which is combined in 1-position with the radical



and in 4-position with the azo-group, *y* stands for a connecting link of the group consisting of —CH=CH— and —CH_2—CH_2—, wherein the symbols R_1 and R_2 represent aromatic nuclei selected from the group consisting of aromatic nuclei of the benzene and naphthalene series, *v* standing for a member of the group consisting of C=O and the radical of a heterocyclic six-membered ring system, whose heterocyclic six-membered ring consists of carbon and nitrogen atoms of which at least 3 and at the most 4 are carbon atoms and at least 2 and at the most 3 are nitrogen atoms, the

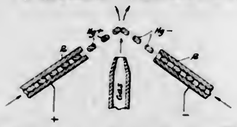


being linked to the carbon atoms of the



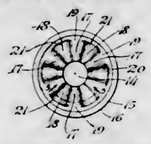
of the heterocyclic ring, which products form yellow to brown powders, dissolve in water to yellow to orange, brown and olive solutions, and dye cotton yellow to orange, brown and olive tints which become faster, particularly faster to light, by after-coppering.

2,270,479
MEANS FOR PRODUCING ULTRASHORT HERTZIAN WAVES
Fritz Schroter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Zehlendorf, Germany, a corporation of Germany
Application January 25, 1941, Serial No. 375,931
In Germany November 2, 1938
8 Claims. (Cl. 250—37)



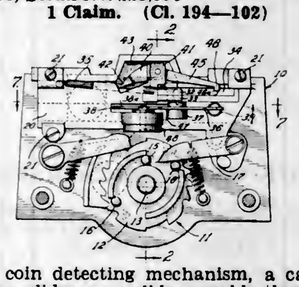
8. The method of producing oscillations which comprises projecting toward each other particles charged with different potentials to cause them to meet at a common point.

2,270,480
DRINK MIXER AGITATOR
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 2, 1940, Serial No. 368,160
3 Claims. (Cl. 259—134)



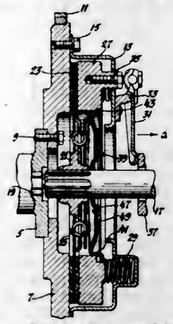
1. In a drink mixer an agitator comprising a disc and a high speed rotatable shaft on which the disc is mounted, said disc having a plain peripheral portion of substantially uniform width which is a continuous circle in one plane, the disc inwardly of said plain peripheral portion being provided with fluid dispersing and aeration-producing surfaces, said surfaces being symmetrically undulating and serving to finely divide air bubbles in the drink being agitated, and said disc as a whole being free from abrupt flow-obstructing and air bubble destroying surfaces and edges.

2,270,481
COIN DETECTING MECHANISM
Allan O. Simmons, Chicago, Ill.
Original application March 4, 1934, Serial No. 714,402. Divided and this application August 6, 1938, Serial No. 223,396
1 Claim. (Cl. 194—102)



In a coin detecting mechanism, a casing affording a slideway, a slide movable through said slideway, said slide being in height equal to the height of a coin for which the mechanism is designed, a coin carrying pocket formed in said slide, a notch formed in the upper edge of said slide over said pocket, said notch having an abutment face directed toward the leading end of the slide as it is moved in a coin delivery direction, a lever pivotally associated with said casing, said lever having a tip yieldably urged against the upper edge of the slide and having an elognated portion on the other side of its pivot, said elongated portion terminating in an abutment face and being adapted to be moved in a reverse direction to the movement of said tip when the latter is urged into said notch, and means on said slide for engaging said abutment face when the latter is moved in response to movement of said tip by a coin in said pocket as said slide is progressed in a coin delivery direction.

2,270,482
CLUTCH BAFFLE PLATE
Richard C. Stolte, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 30, 1939, Serial No. 306,938
9 Claims. (Cl. 192—68)



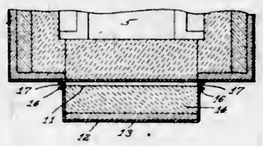
1. In a friction clutch, in combination with a

pressure plate, a cover plate and springs engaged between said plates at points spaced circumferentially thereof, whereby to urge said plates relatively away from one another, a baffle plate disposed between said pressure plate and said cover plate, said baffle plate having peripheral portions engaged between one of said plates and said spring and being thereby supported, said baffle plate including said peripheral portion being formed of a laminated material comprising outer sheets of thin sheet metal and a layer of sound deadening material sandwiched between said sheets.

2,270,483
ALLOY
Jacob Trantin, Jr., Youngstown, Ohio
No Drawing. Application October 26, 1940, Serial No. 363,001
1 Claim. (Cl. 75—125)

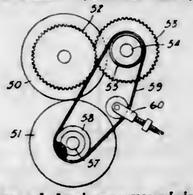
A ferrous alloy having an analysis including between .75 and 2.00 percent carbon, .40 to 1 percent manganese, .40 to 3.00 percent silicon, 5.00 to 30.00 percent chromium, 5.00 to 15.00 percent copper, and the remainder substantially all iron, said alloy being capable of being cast, and being characterized by wear resistance and freedom from hot metal scale pickup.

2,270,484
SELF-SEALING DOOR FOR FURNACES
John Wallerius, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1940, Serial No. 319,676
1 Claim. (Cl. 110—173)



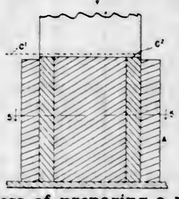
A self-sealing door structure for a furnace of the character described, comprising a wall of refractory material formed with an opening to the chamber of the furnace, the face of said wall around said opening being finished to provide a sealing surface in a flat plane inclined upwardly and backwardly with respect to a vertical plane at the front of said opening, a door for said opening having a face of refractory material finished to provide a flat sealing surface complemental to and seating against said inclined refractory sealing surface entirely around said opening, and operable means supporting the door so that it is free to gravitate to maintain its said refractory sealing surface seated in sealing contact with said refractory sealing surface of the wall entirely around said opening, said means being operable to slide the door on the wall in opening and closing movements in said inclined plane with said refractory sealing surfaces continuously in contact in response to gravitation of the door and with said sealing surfaces constituting the sole sealing contact between the door and the wall in all said positions of the door, the sliding action of the refractory granular sealing surface of the door against the corresponding surface of the wall having a wearing-in effect serving to continuously maintain said sealing contact at all said positions of the door.

2,270,485
PRINTING PRESS
Gilbert C. Waters, Rochester, N. Y.
Application June 10, 1939, Serial No. 278,505
6 Claims. (Cl. 74—217)



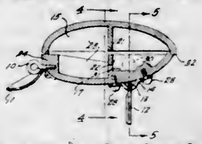
1. A change speed device comprising two power transmission members, one an endless belt and the other a pulley having a body portion and a peripheral portion over which the belt passes composed of elastic compressible material and extending around the body portion, and means for varying the tension of the belt to vary the radial pressure exerted by the belt on the periphery of said pulley and thereby vary the effective diameter of the part of the pulley engaged by the belt.

2,270,486
PROCESS OF FABRICATING LEADED BRONZE BEARING SHELLS
Albert B. Willi, Grosse Pointe, Mich., assignor to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application August 23, 1939, Serial No. 291,613
3 Claims. (Cl. 29—149.5)



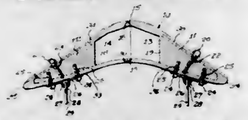
2. The process of preparing a pre-cast bronze journal bearing unit against heat-induced severance from full heat-transmissive contact with a ferrous housing saddle despite the initial variance of the coefficient of expansion of the former as contrasted with the latter, comprising the subjection of such unit to compressive action exerted lengthwise of its axial extent to a degree resulting in a lessening of its length of not less than three per cent.

2,270,487
FISH BAIT
John M. Withey, Howell, Mich.
Application September 15, 1939, Serial No. 295,120
2 Claims. (Cl. 43—46)



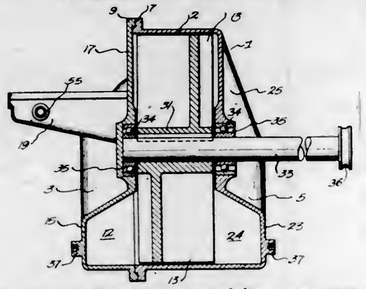
1. In a fish bait, a chambered body, a flat, substantially vertical interior wall of said chambered body comprising a sounding board, and a hard particle loose within said chambered body and co-operable with said sounding board to produce vibrations.

2,270,488
FISH BAIT
John M. Withey, Howell, Mich.
Application June 21, 1941, Serial No. 399,139
4 Claims. (Cl. 43—46)



1. A fish bait comprising a pair of wedge-shaped arms interconnected at their bases, one arm having a greater length than the other arm, said arms having hollow chambers therein, ribs in said chambers extending between the opposite walls of said arms, and line attachment means secured in at least one of said ribs.

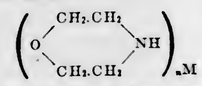
2,270,489
SUPERCHARGER
James F. White, Amarillo, Tex., assignor of one-half to Alfred A. Lauppe, Detroit, Mich.
Application November 22, 1939, Serial No. 305,709
4 Claims. (Cl. 230—120)



1. A super-charger comprising, a propeller type fan for moving a stream of air axially, means for rotatively supporting said fan, casing means coupling closely around the outer extremities of the blades of said fan for separating the intake area of said fan from the discharge area thereof, an intake manifold disposed adjacent the intake area of the fan and defining an air intake passage of a broken annular conformation parallel to the plane of rotation of the fan and adjacent the high velocity portions thereof, an air inlet port admitting air into one end of said broken annular air passage, casing means defining a plenum chamber of a broken annular conformation disposed parallel to the plane of rotation of said fan on the discharge side and adjacent the high velocity portions of the fan blades, and an air outlet port opening from one end of the broken annular plenum chamber for discharging air therefrom.

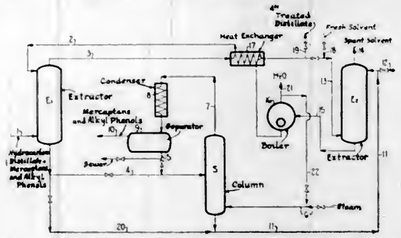
2,270,490
MORPHOLINE COMPOUND AND METHOD OF PREPARATION
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application April 29, 1939, Serial No. 270,922
13 Claims. (Cl. 260—247)

10. A morpholine compound corresponding to the general formula



in which n is a positive integer less than 3, and M is a member of the group consisting of SO_2 and SO_3H_2.

2,270,491
PROCESS FOR REGENERATING CAUSTIC ALKALI SOLUTIONS
David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 13, 1939, Serial No. 256,180
6 Claims. (Cl. 260—609)

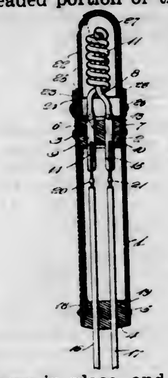


1. In a regenerative process wherein weakly acidic organic substances having dissociation constants below 10^{-5} are extracted from hydrocarbon oils containing them with an aqueous solution of caustic alkali containing dissolved therein alkali metal salts of fatty acids having 2 to 6 carbon atoms in an amount sufficient at least to compensate for salting out of said weak acids from the aqueous caustic alkali solution, to produce a treated oil and a fat aqueous solution, the latter containing absorbed said weakly acidic organic substances, and wherein said fat solution is regenerated by scrubbing to produce a regenerated aqueous solution containing substantially all of said solubility promoter but having a reduced content of said organic acids, the improvement comprising diluting said fat solution with water and thereafter scrubbing the diluted solution with an organic solvent for said weakly acidic substances, which solvent is insoluble in and inert to said caustic alkali solutions under conditions of scrubbing, thereby removing from the fat solution weakly acidic substances having dissociation constants below 10^{-5} without removing fatty acids.

2,270,492
TIMING LIGHT
Frank J. Badalewski, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application November 8, 1938, Serial No. 239,593
2 Claims. (Cl. 240—11.4)

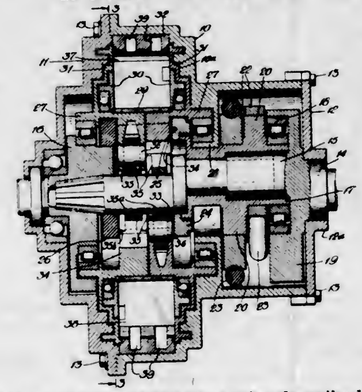
1. A timing light comprising, a tubular handle, a lamp tube having its ends extending in substantially parallel spaced relation and having its intermediate light emitting portion formed in a helical or spiral coil, electrodes at the ends of the tube, lateral extensions on the end portions inwardly from the extreme ends thereof, a socket plug mounted in the end of said handle portion provided with substantially parallel extending spaced openings receiving and holding the ends of the light tube and with the lateral extensions bearing against the plug to thus retain the coiled light emitting portion extending beyond the end of the handle tube, a plug in the opposite end of the handle portion provided with spaced openings, wires connected with the electrodes of the light tube passing through and held in the openings of said plug, a transparent cover globe mounted over the coiled light emitting portion of the light tube and having a beaded formation

adjacent to the end of the handle tube, a flanged ferrule sleeve mounted on said handle tube engaging the beaded portion of the cover globe to



retain the same in place, and a reflecting hood disposed on and over a part of the periphery and the end of the cover globe and also held in place by said flanged ferrule ring.

2,270,493
ROTARY DISPLACEMENT DEVICE
Charles Bancroft, New Canaan, Conn.
Application May 17, 1940, Serial No. 335,679
19 Claims. (Cl. 103—129)



4. An apparatus of the character described comprising a crank shaft having a crank pin, a connecting member rotatably mounted on said crank pin and having rectilinear guide means, means for effecting rotation of said connecting member twice about said crank pin opposite to the direction of crank shaft rotation for each rotation of the crank shaft, a pair of cylindrical members surrounding said guide means coaxial with said crank shaft and rotatable relative thereto, a block for each cylindrical member slidably engaged with said guide means, a pivotal connection within each cylindrical member between it and its associated block, a flange on each cylindrical member having an annular face, a ring concentric with each flange and having one side lying in the same plane with said annular face, an annular chamber coaxial with said crank shaft and having each side wall composed of one annular face and one ring, two pairs of pistons in said chamber, each pair of pistons being connected to one flange and the opposite ring, and inlet and outlet ports for said chamber.

2,270,494
INSTRUMENT TO INDICATE AIR PRESSURE AND TEMPERATURE
George E. Barnhart, Pasadena, Calif.
Application January 2, 1940, Serial No. 311,999
6 Claims. (Cl. 73—4)



3. In an instrument of the class described, an outer tube having an enlarged bulb at one end, an inner capillary tube disposed within said outer tube, said inner tube having a bulb disposed within and spaced from the first bulb, spacing means between said bulbs and between said tubes, the space between said tubes and bulbs being exhausted, the outer end of said capillary tube being flared outwardly and fused to the wall of the outer tube to form a cup-like receptacle communicating with the outer end of the capillary tube and with the atmosphere, porous material in said receptacle, a drop of liquid in said capillary tube and a filling of gas in said inner bulb and tube, a thermometer tube extending through and fixed to the walls of said inner and outer bulbs, said thermometer tube having a bulb thereon and having a capillary aperture communicating with the bulb and a filling of heat responsive fluid in the thermometer tube bulb.

2,270,495
PRUNING IMPLEMENT
Henri B. Bernay, Charlotte, N. C., assignor, by direct and mesne assignments, of one-third to Ralph H. Bouligny and one-third to Oliver R. Rowe, both of Charlotte, N. C.
Application March 3, 1941, Serial No. 381,558
8 Claims. (Cl. 30—184)



1. A pruning implement comprising a fixed handle, an anvil secured to one end of the handle, a blade having a cutting edge adapted to move toward and away from the anvil, a rod slidably mounted in said fixed handle and having one end

thereof secured to said blade, and a bellcrank pivotally secured to said fixed handle, said bellcrank having a short leg pivotally connected to the other end of said rod, and a longer leg adapted to be gripped by an operator's hand along with the fixed handle when it is desired to actuate the blade.

2,270,496
FLASHER AND SIGNAL SYSTEM
Joseph Bell, Cincinnati, Ohio
Application November 15, 1939, Serial No. 304,500
7 Claims. (Cl. 200—113)



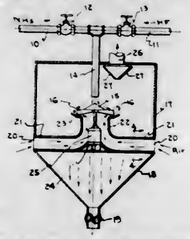
1. An intermittently operating switch for signaling systems comprising relatively fixed and movable contacts, a pivoted contact arm for mounting said movable contact for movement toward and away from said fixed contact, an actuating member for said contact arm, said member being pivoted adjacent one end for oscillation and connected to said contact arm adjacent the other end, and means for oscillating said member including a thermo-responsive wire engaging said member intermediate the ends thereof.

2,270,497
SWIVEL HARP
Kornel Berger, Brooklyn, N. Y.
Application December 12, 1940, Serial No. 369,732
5 Claims. (Cl. 240—148)



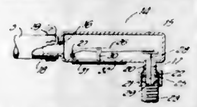
1. In combination, a wire harp frame, a lamp shade stud having a head bearing on the wire of the harp frame and a cap bearing on the head of said stud and having pairs of opposed claws closed about the wire at opposite sides of said head, said claws having sharp cornered ends impressed in the wire to confine the cap to a definite swivelling position on the wire.

2,270,498
MANUFACTURE OF AMMONIUM BIFLUORIDE
Abe R. Bozarth, Cleveland, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application April 28, 1939, Serial No. 270,601
4 Claims. (Cl. 23—88)



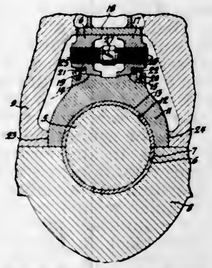
1. A process of making ammonium bifluoride comprising contacting gaseous NH_3 and gaseous HF in approximately the proportions in which they combine to form NH_4FHF, both gases being substantially anhydrous, and contacting the resulting gaseous NH_4FHF with air at a temperature below 50° C.

2,270,499
MOTOR VEHICLE ATTACHMENT
William R. Brewster, Albany, N. Y.
Application October 1, 1938, Serial No. 232,841
1 Claim. (Cl. 152—415)



In a device of the character described, a tubular element adapted to conduct air to a spare tire within a closed compartment of a vehicle body, said tubular element being provided at one end thereof with means for readily and removably attaching said element to the valve stem of said tire, and the other end of said tubular element being adapted to permit the valve in the end of an air supply hose to be pressed thereover, said last mentioned end of said tubular element being provided with means for opening said valve of the air supply hose when pressed thereover, and air pressure-responsive means operable wholly by air pressure within said tubular element for opening the valve in said tire, said pressure-responsive means comprising a movable diaphragm having one side only thereof subject to air pressure within said tubular element and a lever operable thereby and adapted to be disposed in operative relation to the valve pin in the valve stem of said tire when said tubular element is attached to said stem whereby when air under pressure is admitted to said tubular element said pressure-responsive means will operate to open the valve in said tire and when said air pressure is relieved the valve in said tire will close.

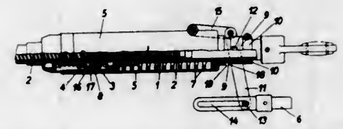
2,270,500
MAIN BEARING CAP WEDGE
William E. Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 21, 1940, Serial No. 325,164
2 Claims. (Cl. 308—74)



1. In combination, a fixed lower bearing supporting member having a semi-circular seat; a lower bearing member of like form supported within said seat; an upper semi-cylindrical bearing member contacting with said lower bearing member; a fixed cap arranged above said upper bearing member and the ends of which abut against said lower bearing supporting member,

and which cap has a semi-circular seat within which said upper bearing member lies; two transversely movable wedges acting upon said cap to force it downward; a screw located between and having right and left threaded portions which act as compression members against said wedges to move them simultaneously apart from one another; a fixed abutment arranged above and against which said wedges act; and cooperating guides upon said cap and said wedges.

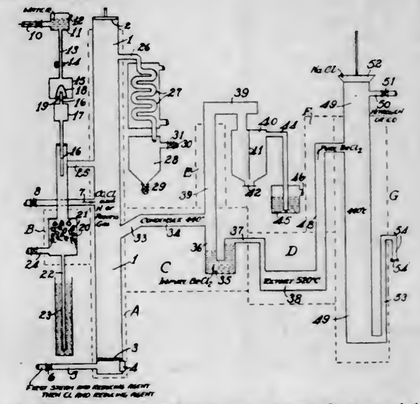
2,270,501
AUTOMATIC DOUBLE-ACTING SLACK-ADJUSTER FOR BRAKES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application October 3, 1940, Serial No. 359,624
In Germany August 14, 1939
6 Claims. (Cl. 188—202)



1. An automatic double-acting slack adjuster for brakes of the character described, comprising a brake rod divided into two parts movable axially in relation to each other not only in a slack reducing but also in a slack increasing direction, and means for controlling the relative movements of said brake rod parts, including a mechanism for locking said brake rod parts against slack increasing movement, a control member movable axially on one of said brake rod parts, spring means for moving said control member in one direction during release of the brake, operating means for positively moving said control member against the action of said spring means in the other direction during application of the brake for permitting said locking mechanism to lock said brake rod parts against slack increasing movement, and means operable by said operating means for mediating the action of said spring means on said axially movable control member for rendering the action of said spring means on said control member dependent on said operating means, so that, should said operating means fail to operate said control member, the latter, unrestrained by said spring means, can take a position permitting said locking mechanism to lock said brake rod parts against slack increasing movement.

2,270,502
PROCESS FOR MANUFACTURING BERYLLIUM
John E. Bucher, Fort Lee, N. J., assignor, by mesne assignments, to Antioch College of Yellow Springs, Yellow Springs, Ohio, a corporation of Ohio
Continuation of application Serial No. 680,923, filed July 18, 1933. This application February 25, 1937, Serial No. 127,791
24 Claims. (Cl. 23—17)

1. The process which comprises heating an impure beryllium compound containing oxygen the impurity of which is volatile upon heating and simultaneously passing a current of gas containing carbon monoxide into contact therewith in the absence of reagents which would form volatile compounds of beryllium whereby impurities are removed and purified beryllium oxide is obtained.



8. The process which comprises halogenizing beryllium oxide, removing vapors of halogenized beryllium, condensing them as a liquid, separating the liquid from uncondensed gases, using the resulting body of liquid as a gas tight seal for the liquid outlet from the condensing space, removing liquid from this body as more is added thereto by condensation and removing the uncondensed gases through another liquid seal.

14. The process which comprises heating briquettes of a beryllium compound containing oxygen, removing volatile products by means of a gas current containing a carbon containing reducing agent free from reagents which would react with beryllium oxide at the temperature of treatment, and treating resulting beryllium oxide with a halogenizing compound and a reducing agent.

2,270,503
GEL-TYPE METAL OXIDE CATALYST
Robert E. Burk and Everett C. Hughes, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 1, 1938, Serial No. 228,005
13 Claims. (Cl. 252—232)

4. A process of preparing a gel type oxide catalyst, which comprises co-precipitating gel type plural oxides by adding ammonium hydroxide to a solution containing dissolved salts of tin, aluminum and chromium, in which the tin in the tin salt makes up from one to thirty metal atom per cent of the dissolved salts, washing, filtering, and drying the precipitate.

5. A process of preparing a gel type oxide catalyst, which comprises co-precipitating gel type plural oxides by adding ammonium hydroxide to a solution containing dissolved salts of antimony, aluminum and chromium, in which the aluminum in the aluminum salt makes up fifty to ninety metal atom per cent of the dissolved salts, washing, filtering, and drying the precipitate.

6. A process of preparing a gel type oxide catalyst, which comprises co-precipitating gel type plural oxides by adding ammonium hydroxide to a solution containing dissolved salts of tin, beryllium and chromium, in which the tin in the tin salts makes up one to thirty metal atom per cent of the dissolved salts, washing, filtering, and drying the precipitate.

7. A process of preparing a gel type oxide catalyst, which comprises co-precipitating gel type plural oxides by adding ammonium hydroxide to

a solution containing dissolved salts including antimony, beryllium and chromium, washing filtering, and finally drying the precipitate.

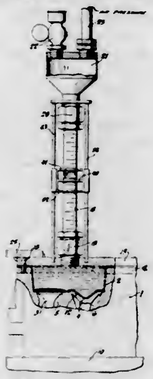
8. A process of preparing a gel type oxide catalyst, which comprises co-precipitating gel type plural oxides by mixing an operative basic precipitant with a solution containing dissolved salts of chromium and an amphoteric oxide forming salt from the group consisting of beryllium and aluminum salts and an acid oxide forming salt from the group consisting of tin and antimony salts, the acid oxide forming salt making up one to thirty metal atom per cent and the amphoteric oxide forming salt fifty to ninety metal atom per cent of the dissolved salts, and washing and drying the precipitate.

2,270,504
CATALYST
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 23, 1939, Serial No. 263,806
11 Claims. (Cl. 252—231)

4. In a process of making a catalyst, simultaneously feeding a solution of salts of aluminum and a metal of the group consisting of those metals having atomic numbers from 26 through 28, and ammonia in amount approximately seventy per cent of that theoretically required to precipitate out all of the ions of aluminum and said other metal, into a reaction zone containing ammonium acetate solution, thereby permanently precipitating out some of the ions of aluminum and the metal of the group consisting of those metals having atomic numbers from 26 through 28 while leaving a surplus thereof un-precipitated, and after such addition is completed adding ammonia to precipitate the remainder of the stated metal ions.

10. A catalyst for aromatizing or dehydrogenating, consisting of the product resulting from the process of claim 3.

2,270,505
VOLUME CHECKING FIXTURE
John A. Burleson, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1941, Serial No. 387,715
6 Claims. (Cl. 73—51)



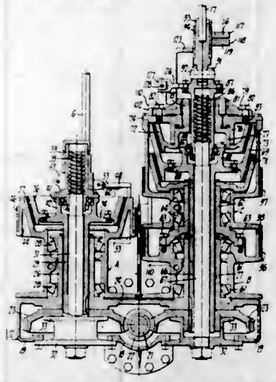
1. In a device for measuring the volume of a chamber, a liquid container having a portion distensible to conform to the contour of the chamber, a known quantity of liquid in the container, said quantity being in excess of the volume of the chamber, means whereby the liquid may be placed under pressure to distend the distensible portion of the container into conformation with the contour of the chamber and fill it, and means above the distensible portion for indicating the volume of the excess quantity of liquid in the container; the remaining volume of the known quantity of liquid being the required volume of the distended portion of the container, and hence of the chamber.

2,270,506
RACK FOR REFRIGERATOR CARS
Carl S. Carlson, St. Paul, Minn.
Application August 1, 1940, Serial No. 349,132
5 Claims. (Cl. 211—149)



1. In a carrier rack, a main frame comprising a pair of elongated quadrangular base sections pivotally connected and abutted at adjoining end parts when open and the sections in common horizontal plane, pivotally mounted quadrangular spacer frames, one at each end of the rack and one on the pivot connecting the abutting main frame ends, all said spacer frames being disposed in transverse relation to the main frame, and adapted to be alternately folded down upon the adjacent upper faces of the main frame and raised to position at right angles to the open main frame, the said pivot connecting the abutting ends of the main frame being over said abutting edges to permit folding of either main frame section over the other section and inclose between them said spacer frames, the top edges of the raised secondary frames adapted to support a superposed rack.

2,270,507
WINCH CONSTRUCTION
Gerald I. Clark, Mountain View, Calif., assignor, by mesne assignments, to Hugh A. Hutchins, Arcadia, Calif.
Application November 20, 1939, Serial No. 305,224
14 Claims. (Cl. 254—185)

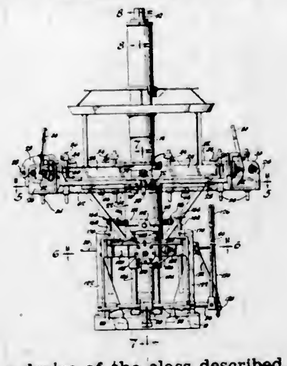


1. A winch unit comprising at least two winch drums disposed in axial alignment, means serving to mount the drums for independent rotation, a rotatable driving member extending through the drums, braking means for each drum, each braking means being self releasing to permit driving of the drum in one direction but gripping automatically to normally prevent unwinding rotation in an opposite direction, means for releasing each of said braking means to permit unwinding rotation of the associated drum, three clutch elements disposed near one end of one of the drums, one element being connected with the driving member, a second element connected to one drum, and a third element connected to the second drum, means for shifting the first clutch element into engagement with either the second or third clutch elements, said means including a single operating member movable from a neutral position into either one of two operating positions, and means for movement of said operating member into either one of two additional operating positions to effect selective release of the said braking means, said last named means including mechanism connecting said operating member with said brake releasing means.

2,270,508
COATING COMPOSITION
Roy E. Coleman, Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated, a corporation of New York
No Drawing. Application August 12, 1937, Serial No. 158,736
5 Claims. (Cl. 106—153)

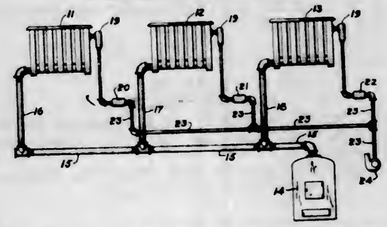
5. A substantially non-aqueous, stable, liquid zein coating composition which is stable against separation of the zein at temperatures of 70° F., comprising about one part by weight of zein and at least about two parts by weight of a solvent mixture for the zein containing not in excess of 5% of water, said solvent mixture comprising alcohol and an alcohol-soluble, liquid, oxygenated organic compound having a boiling point above ethyl alcohol and being capable of modifying the zein on drying in film form to produce a hard, white, opaque, flexible and tough, modified zein film, the total water content of said composition, excluding the moisture in the zein, being not in excess of about 5%.

2,270,509
CORE HANDLING MACHINE
Joseph W. Common, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1940, Serial No. 349,520
4 Claims. (Cl. 22—10)



1. In a device of the class described, a station at which a formed core may be withdrawn from a filled core box, a turntable for moving filled core boxes to said station, means for securing filled core boxes to said turntable, equalizing means at said station for supporting a core as it is being withdrawn from the core box, means for raising and lowering said equalizing means, an air actuated device for vibrating the core box as the core is being withdrawn, an air line to said air actuated device including portions movable with said turntable and stationary portions at said station, and means for preventing flow of air to said air actuated vibrating means unless the turntable is in proper position at said station.

2,270,510
RATIOED AIR CONTROL FOR STEAM HEATING SYSTEMS
Harrison F. Cox, Paterson, N. J.
Application June 10, 1940, Serial No. 339,601
5 Claims. (Cl. 237—9)

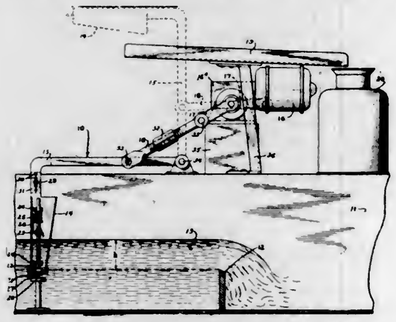


3. In a one pipe heating system, a boiler, a supply main connected to said boiler, a plurality of radiators, conduits connecting said radiators with said supply main, an air valve connected to each radiator providing an air passage between the radiator and the atmosphere, thermostatic means associated with said air valve and responsive to steam temperature to close said air passage, first orifice means associated with each of said air valves to regulate the rate of flow of exhaust air from its respective radiator, second orifice means associated with each of said air valves to regulate the rate of flow of return air into its respective radiator, said first orifice means being calibrated to provide an air exhaust rate which increases with the increase in distance of its respective radiator from the boiler, and said second orifice means being calibrated to provide an air inlet rate which decreases with the increase in distance of its respective radiator from the boiler.

2,270,511
SAMPLING DEVICE
Richard C. Crain, Port Edwards, Wis., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
Application January 17, 1940, Serial No. 314,263
6 Claims. (Cl. 73—21)

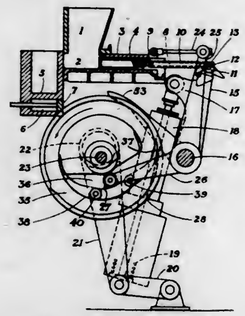
3. A device adapted for sampling a stream of liquid flowing in an open channel, said device comprising a cup whose liquid content at any liquid level therein is proportional to the rate of flow of said liquid at a head of liquid in said channel equal to said level, means for at equal intervals of time dipping said cup into said stream to a depth where admittance of said liquid into said cup would result in a meniscus in said cup spaced from the bottom thereof by a distance equal to the head of liquid prevailing at the moment of dipping, a valve in the bottom of said cup, means for opening said valve when said cup reaches said depth, and for closing said valve when said cup is above said depth, means

identical with said dipping means for withdrawing and for emptying said cup after said



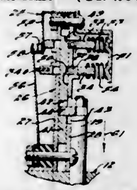
dipping, and means for uniting samples withdrawn at successive dippings.

2,270,512
DOUGH DIVIDER
Henry Devlin, Saginaw, Mich., assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York
Application July 18, 1940, Serial No. 346,176
7 Claims. (Cl. 107—15)



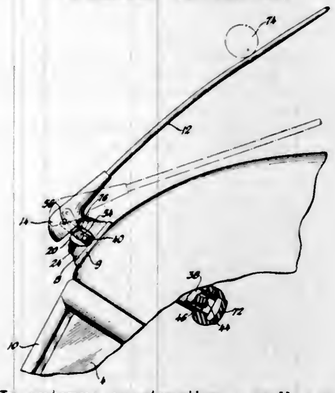
1. In a dough divider having a pressure chamber, a ram slidable therein, a knife slidable between the dough reservoir and the pressure chamber, and knife-actuating means comprising a bell-crank having two arms, one arm of which is pivotally connected to said knife, the other arm of which carries a cam follower, in combination, a power-driven cam rotatable in timed relation to the operation of the ram having alternative cam tracks in which said cam follower engages, one of said tracks being concentric with the cam axis so that no displacement of the knife occurs when the follower is in said track, the other track being eccentric and indexed to reciprocate said knife to and from open position during a rotation of said cam, switch means on said cam for deflecting said cam follower from one track to the other, and a movable switch-operating element indexed to the position of said ram so that whenever said ram reaches a predetermined limit of forward travel the switch means is actuated to divert said follower from the concentric track to the knife-actuating track, causing withdrawal of the knife to admit a charge of dough to said pressure chamber during the rearward travel of said ram.

2,270,513
CIRCUIT MAKER AND BREAKER
Steve Dettar, St. Clair Shores, Mich.
Application May 22, 1940, Serial No. 336,486
4 Claims. (Cl. 200—68)



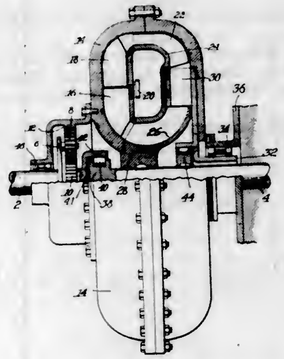
1. In a circuit maker and breaker, a pair of spring contact arms including contactors thereon oppositely disposed with respect to each other, a guide and a slide reciprocatingly mounted in said guide, a spring loaded maker push arm and a spring loaded breaker push arm reciprocatingly mounted in spaced relationship through said guide and positioned to urge said contactors together and apart respectively, cam followers on said push arms, oppositely disposed spaced cams on said slide engageable by said cam followers alternately during the reciprocation of said slide with respect thereto, means for reciprocating said slide whereby to place said cams alternately in engagement with said cam followers and permit said push arms to make and break said contactors alternately responsive to spring pressure thereagainst, the engagement between said reciprocating means and said slide being sufficiently free to admit of independent movement of the said slide by said spring loaded push arms permitting a more rapid make and break than possible by the rate of movement of the said reciprocating means.

2,270,514
ANTENNA CONSTRUCTION
Harry C. Doane and Levi R. Grandy, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 7, 1939, Serial No. 308,032
9 Claims. (Cl. 250—33)



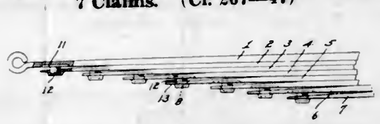
1. In antenna construction, a wall, a rotatable member trunnioned in the wall, a spring biased reciprocable member carried by the rotatable member, an antenna member pivotally secured to the reciprocable member adjacent the end of the rotatable member whereby the antenna member is urged against the end of the rotatable member and will rotate therewith but may be moved with respect thereto.

2,270,515
TRANSMISSION
Adiel Y. Dodge, Rockford, Ill.
Application July 14, 1941, Serial No. 402,309
6 Claims. (Cl. 74—189.5)



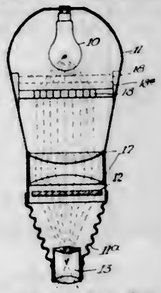
1. A transmission for connecting a driving shaft to a driven shaft comprising a planetary differential gear set, a hydraulic torque converter including a vaned impeller, a vaned rotor and a vaned stator forming a toroidal liquid circuit, means connecting said rotor to the driven shaft, means connecting one element of the gear set to the driving shaft, means connecting another element of the gear set to the impeller, a one-way clutch connecting the driving shaft to the impeller to drive the impeller forward and clutch means connecting a third element of the gear set to the driven shaft, said one-way clutch overrunning when the last named clutch means is engaged.

2,270,516
VEHICLE SPRING
Harold T. Dow, Elma, N. Y., assignor to Spring Perch Company, Inc., a corporation of New York
Application April 22, 1940, Serial No. 330,816
7 Claims. (Cl. 267—47)



1. A leaf spring assembly comprising a plurality of leaves arranged in successive pairs, one leaf of each pair having the surface thereof facing the other being provided with a recess and the surface of the other facing the first being formed with a depression less in cross sectional area than that of the recess of the first leaf, a compressible bearing element in each of the depressions of a height greater than the combined depth of the depressions of the successive pairs of leaves, said bearing element having a portion fitting the depression of one leaf and a portion fitting the recess of the other providing a means whereby lateral displacement of the leaves is prevented and a predetermined dampening area provided, the compression of the bearing element by the opposed leaves causing a portion thereof to be extruded to between opposed surfaces of the leaves.

2,270,517
PROJECTION APPARATUS
Albert Drucker, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application June 23, 1938, Serial No. 215,332
3 Claims. (Cl. 88—24)



1. A projection apparatus for projecting images of varying sizes, embodying a housing, a source of light fixed in said housing, the said housing having an opening in its front wall, an extensible and contractable closure for said opening, a projection lens supported at the end of said closure opposite said opening and adjustable longitudinally by the movement of said closure, a transparency disposed between the source of light and said lens and fixed with respect to the source of light, a condenser disposed between the source of light and said transparency, said condenser slidably mounted within said housing for adjustment toward and away from the source of light to fill the entrance aperture of the projection lens with a maximum amount of light rays, thereby compensating varying sizes of images, and a grill type axial directional element disposed between the source of light and the said condenser for straightening the light rays that are passing therethrough from the source of light toward the projection lens.

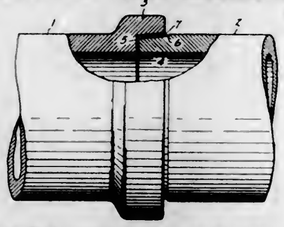
2,270,518
NUTRIENT SOLUTION
Carleton Ellis, Montclair, N. J.; Bertram Ellis, Carleton Ellis, Jr., and The Bank of Montclair, executors of said Carleton Ellis, deceased, assignors to Ellis Laboratories, Incorporated, a corporation of New Jersey
No Drawing. Application June 2, 1938, Serial No. 211,413
3 Claims. (Cl. 71—1)

1. In the hydroculture of plants, a nutrient composition comprising a mixture of water-soluble plant-nutrient salts and a water-soluble gum precipitant-forming inhibitor essentially free of albuminous bodies, the proportion of said inhibitor being 7 to 8 per cent of said composition and being sufficient to prevent substantial formation of insoluble material when said composition is dissolved in water.

2,270,519
SEALING GASKET
Harry P. Fisher, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 8, 1939, Serial No. 303,415
2 Claims. (Cl. 285—115)

1. In a bell and spigot joint wherein the diameter of the inside bell surface is sufficiently larger than the diameter of the outside spigot surface

to provide an annular space therebetween, a rubber gasket ring in said space formed of integrally connected relatively thin flat band portions which in unstressed condition are normally angularly disposed with respect to one another to provide a staggered series of circumferentially extending, substantially parallel and relatively sharp corner edge angles on the inside and the outside of the gasket, the radial thickness of the un-



stressed gasket ring being greater than said space whereby radial pressure exerted against said corner edge angles by said surfaces deforms the ring by bending adjacent band portions in alternate directions and approximately to S shape in section and whereby the bending stresses in the band portions independently press the corner edge angles against said surface to provide a plurality of line contact seals.

2,270,520

PROCESS FOR IMPROVING MATERIALS CONTAINING CELLULOSE

Charles Graenacher, Riehen, and Richard Sallmann, Bottmingen, Switzerland, assignors to firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 29, 1939, Serial No. 270,918. In Switzerland May 5, 1938
6 Claims. (Cl. 8—46)

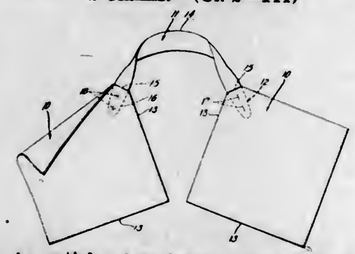
1. A process for improving materials containing cellulose which comprises treating the materials with a hydroxyaryl carboxylic acid methylolamide, heating the thus treated materials and further treating them with a diazonium compound capable of coupling with the hydroxyaryl carboxylic acid methylolamide.

2,270,521

NECKERCHIEF

Marion R. Gray, Los Angeles, Calif.

Application April 12, 1940, Serial No. 329,296
2 Claims. (Cl. 2—144)



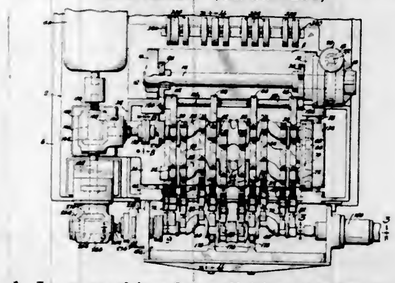
1. An article of neckwear comprising an elongate neck band, two like substantially square fabric bodies, one attached to each end of the neck band, each body being attached to the band at one corner with the longitudinal axis of the neck band in line with a line diagonal of the body through said corner, tabs extending freely from the points of connection of the bodies with the band, and cooperable fastening means on the tabs for securing the band around the wearer's neck, the bodies being free to be folded together by the wearer.

2,270,522

CRANKSHAFT BEARING POLISHING MACHINE

Frank W. Haeger and Emil P. Rohrbach, Lansing, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 27, 1940, Serial No. 315,908
3 Claims. (Cl. 51—154)



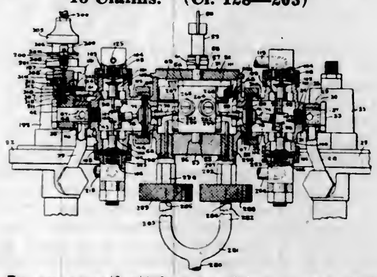
1. In a machine for polishing the bearings of a crankshaft, a carriage mounted on the machine and having a crankshaft rotatably mounted thereon, a table mounted on the machine, two master cranks mounted on the table, means to rotate the master cranks in unison, polishing arms mounted on the master cranks and adapted to polish the crankshaft bearings when in contact therewith, two rotary cams for moving the table toward the crankshaft, the shape of said cams causing the polishing arms to be tightly pressed against the bearings for an arc of about 90°, the shape of said cams then allowing the table to be withdrawn sufficiently to leave a small space between the ends of the polishing arms and the bearings to enable the polishing surfaces and the bearings to be flushed with oil, the cams then again pressing the polishing arms tightly against the crankshaft bearings, and then allowing the pressure on the arms against the bearings gradually to be lessened until the polishing arms are removed from the bearings.

2,270,523

GAS CONTROL MEANS FOR ANESTHETIZING MACHINES

Jay A. Heidbrink, Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application January 29, 1940, Serial No. 316,163
18 Claims. (Cl. 128—203)



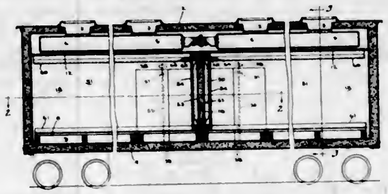
4. In an anesthetizing machine, a gas distributor valve chamber embodying a plurality of valves, a movable member having a part extended within said chamber for severally operating the valves, said member being formed with a surrounding ball shaped bearing piece, a fulcrum support for said member formed with a socket engageable with the walls of said ball, and means associated with said ball and fulcrum support permitting movement of the member and forming a gas-tight seal to the distributor chamber.

2,270,524

REFRIGERATOR CAR CONSTRUCTION

Arthur A. Helwig, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware

Application January 8, 1940, Serial No. 312,822
7 Claims. (Cl. 62—17)



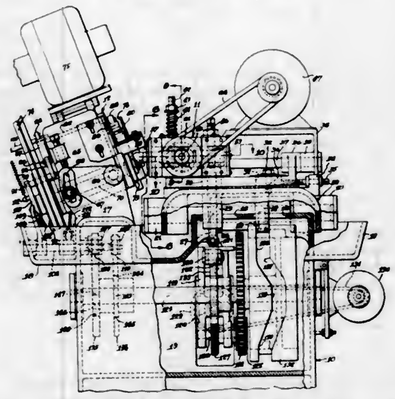
1. In a refrigerator car having a roof, floor and spaced apart walls which define a lading chamber, means to refrigerate said chamber, the combination of a substantially vertical partition arranged to divide said chamber into a pair of compartments, and a doorway in one of said walls arranged to provide access to each of said compartments, said partition being movable to a position in said lading chamber remote from said doorway.

2,270,525

APPARATUS FOR HONING ROLLER BEARING CUP MEMBERS

Glen F. Johnson, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan

Application May 12, 1939, Serial No. 273,308
3 Claims. (Cl. 51—59)



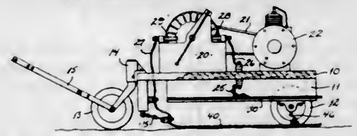
1. In a machine having a work supporting structure for rotatably supporting a work piece having an annular surface to be honed, a supporting structure for a honing tool comprising, a carriage reciprocable along a given path, a support carried by said carriage for movement therewith, means interconnecting said carriage and said support to permit the latter to reciprocate relatively to said carriage, a carrier having front, rear and intermediate sections the first-named of which is adapted for carrying the tool in contact with the work piece surface, means interconnecting said support and said rear section to adapt said carrier for reciprocation with said support and for movement relatively to the latter pivotally about an axis parallel with said path, an elongated member fixed at one of its ends to said support and extending upwardly therefrom through an aperture provided therefor in said intermediate section, a spring arranged about said member between said intermediate section and the opposite end of said member for resiliently urging said carrier in one direction about said axis, and means cooperable with said carrier and operable at predetermined intervals for moving the latter in opposition to said spring in the opposite direction about said axis.

2,270,526

METHOD OF AND APPARATUS FOR RECOVERING PRECIOUS ORES

Edwin Keyser and Stanley Prusinski, Cleveland, Ohio, assignors of one-third to Stanton Cooper, New York, N. Y.

Application December 9, 1940, Serial No. 369,280
14 Claims. (Cl. 209—127)



1. The method of recovering precious metal particles from the ground comprising propelling over the ground a plate with an amalgam surface on its under face and simultaneously propelling a metallic screen located beneath such plate and close to the ground but out of conductive contact therewith, and oppositely electrifying the amalgam plate and screen.

4. An apparatus for collecting metal particles directly from the ground, comprising a downwardly facing amalgam plate supported a comparatively short distance above the ground, a metallic member beneath the plate having openings for the passage of particles, means for maintaining said metallic member close to the ground while out of metallic contact therewith, and means for supplying high voltage electricity of opposite sign to the amalgam plate and to said metallic member.

2,270,527

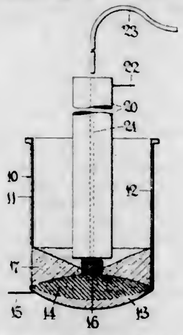
PREPARATION OF ZIRCONIUM DIOXIDE

Charles J. Kinzie, Robert P. Easton, and Viatcheslav V. Efimoff, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

Application December 8, 1939, Serial No. 308,236
5 Claims. (Cl. 23—21)

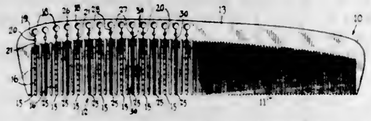
1. A method of preparing zirconium dioxide comprising heating in an electric arc furnace a mixture of zirconium ore and carbon, forcing air directly into the arc during said heating step, forming a reaction mass of zirconium, carbon and nitrogen, exposing to the atmosphere said

mass prior to cooling to atmospheric temperature, and continuing to expose said mass to the



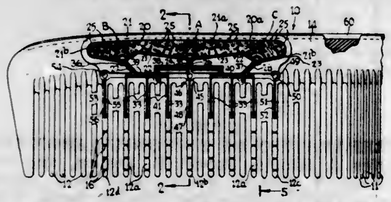
atmosphere until substantially all the material is reacted to zirconium dioxide.

2,270,528
COMB
Samuel Kirschenbaum, Brooklyn, N. Y.
Application February 6, 1940, Serial No. 317,467
16 Claims. (Cl. 132—13)



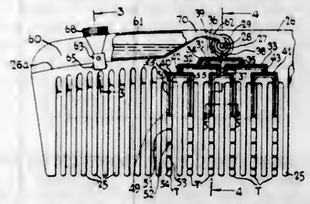
1. In a comb of the class described having teeth and a back, a main reservoir in one surface of said back adapted to receive a quantity of oil or the like, an auxiliary reservoir in the same surface of said back, a plurality of spaced grooves in one of said teeth transversely disposed with respect to the length thereof, a channel interconnecting said main and auxiliary reservoirs and a channel interconnecting said auxiliary reservoir with said transverse grooves, at least one of said channels being narrow and open to the surface of said comb, whereby the flow of oil from said reservoirs is retarded.

2,270,529
COMB
Samuel Kirschenbaum, Brooklyn, N. Y.
Application October 2, 1940, Serial No. 359,407
19 Claims. (Cl. 132—13)



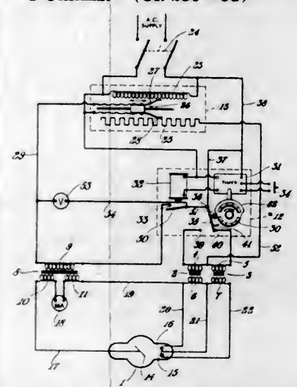
1. In a comb of the class described having teeth and a back, the combination of a recessed area in said back forming a reservoir for receiving oil, said reservoir having bottom and side walls and being substantially entirely open at the top to the surrounding atmosphere, a plurality of grooves in said bottom wall designed to hold oil in said reservoir and means for directing the flow of oil from said reservoir to selected teeth.

2,270,530
COMB
Samuel Kirschenbaum, Brooklyn, N. Y.
Application October 2, 1940, Serial No. 359,408
28 Claims. (Cl. 132—13)



1. In a comb having teeth and a back and which is designed to treat the hair or scalp with oil or the like during the combing action, the combination of a recessed area in said comb forming a reservoir for receiving oil therein, said reservoir comprising bottom and side walls and being substantially entirely open at the top to the flat side of said back and to the surrounding atmosphere at all times, an oil container, and means for mounting said oil container on said comb.

2,270,531
X-RAY APPARATUS
Gerard Kloos, Mount Vernon, N. Y., assignor to Philips Metalix Corporation, New York, N. Y.
Application November 1, 1939, Serial No. 302,344
4 Claims. (Cl. 250—93)

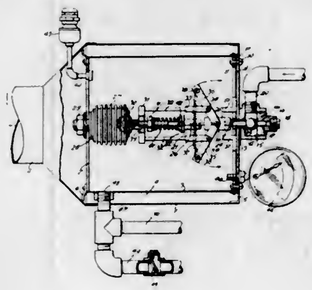


1. An X-ray apparatus comprising an X-ray tube having an anode and a plurality of incandescible cathodes including a cathode adapted to produce a small focal spot and a cathode adapted to produce a large cathode spot, means for applying operating voltage to said X-ray tube, means for applying energizing voltage to said cathodes, timing means for controlling the exposure time, and means controlled by said timing means and controlling said cathode energizing means to automatically and selectively energize the large focal spot cathode for only short exposure times and the small focal-spot cathode for long exposure times.

2,270,532
BOILER RETURN AND VACUUM TRAP
Stanley C. Knefel, St. Louis, Mo.
Application November 24, 1939, Serial No. 305,769
9 Claims. (Cl. 103—253)

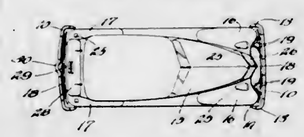
1. A device of the character described com-

prising a receptacle constituting a combined condenser and vacuum trap and having opposite end walls, means forming a passage for admitting live steam through one of said walls into said receptacle, a thermostatic bellows device attached to the opposite end wall in said recep-



tacle, a valve for opening and closing said passage, mechanism supported apart from said bellows for moving said valve to closed and to open positions and vice versa, and connections operated by said bellows for conditioning said mechanism for operation relative to said bellows to operate said valve.

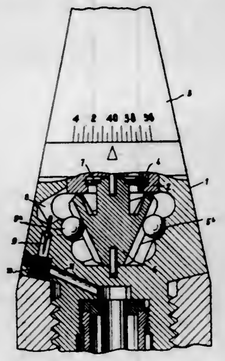
2,270,533
SAFETY BUMPER
Joseph F. Knutte, Chicago, Ill.
Application March 27, 1939, Serial No. 264,349
3 Claims. (Cl. 293—55)



1. The combination with a vehicle having wheel fenders with exposed projecting ends, of bumpers at the ends of the vehicle for protecting the fenders at the ends, and safety bumpers also extending transversely at the end of the vehicle and supplementing the other bumpers, each safety bumper comprising unitary flat cross bars disposed horizontally flatwise, the ends projecting laterally beyond the outer edges of the fenders and then extending inwardly parallel to the side edges of the fenders and overlapping the ends to prevent lateral engagement therewith.

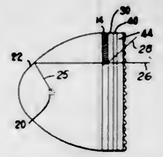
2,270,534
TIME FUSE FOR ARTILLERY PROJECTILES
Paul Albert Kunz, Le Locle, Switzerland
Application January 27, 1939, Serial No. 253,207
In Germany and France February 21, 1938
3 Claims. (Cl. 102—36)

1. In a mechanical fuse for an artillery projectile, the combination of a timing gear, a plurality of centrifugal masses in symmetrical circumferentially-spaced driving engagement with said timing gear, a separate upwardly-divergent guiding track for each of said masses, corresponding points on each of the several guiding tracks being at substantially the same radial distance from the projectile axis and in substantially the same plane normal to said axis, where-



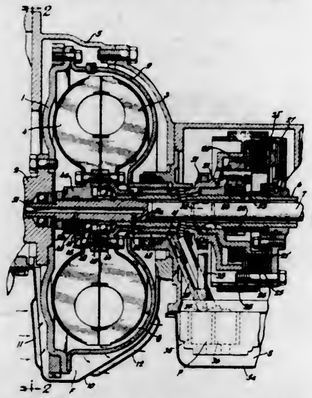
by a plurality of gear-driving systems disposed symmetrically of said axis is produced.

2,270,535
LIGHT POLARIZER AND OPTICAL SYSTEM EMPLOYING THE SAME
Edwin H. Land, Wellesley Farms, and Clinton J. T. Young, Boston, Mass., assignors, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application June 29, 1938, Serial No. 216,450
29 Claims. (Cl. 88—65)



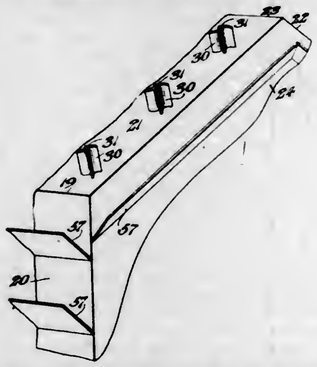
1. In combination, means providing a substantially collimated beam of light, a light-polarizing device in sheet-like form adapted to resolve light incident thereon into a plurality of differently polarized, partially merged light beams having relatively slightly differing directions of propagation and both of which component beams traverse said device, said device comprising a multiplicity of birefringent elements and means comprising light-transmitting material for assembling said elements in spaced relation in said device, said light-transmitting material and birefringent elements having a substantially common index of refraction for light vibrating in a predetermined direction and having different indices of refraction for light vibrating at right angles to said direction, said birefringent elements each having plane surfaces forming at least one interface with said light-transmitting material, said birefringent elements being so positioned that corresponding ones of said interfaces make equal angles with a normal to said sheet, and means for so positioning said device in the path of said light beam that said beam is incident upon said interfaces at a predetermined angle, said angle being at least equal to the critical angle of incidence for light vibrating in the direction for which the indices of refraction of said light-transmitting material and said birefringent elements are not matched.

2,270,536
TRANSMISSION DRIVE COOLING SYSTEM
Carroll K. Lenning, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1940, Serial No. 319,561
16 Claims. (Cl. 74—189.5)



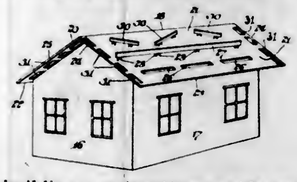
1. In fluid turbine drive transmitting mechanisms, an engine, a load shaft, a turbine drive device adapted to transmit variable slip torque between said engine and said load shaft while generating heat proportional to slip therebetween, means effective to circulate a moving body of fluid under pressure to the turbine drive working space of said device, and cooling means including a rotating member driven by said engine and surrounding said device effective to interchange heat from said moving fluid body to an external body of air circulated by rotation of said member.

2,270,537
BUILDING
Charles Townsend Ludington, Ardmore, Pa.
Application February 8, 1939, Serial No. 255,190
12 Claims. (Cl. 108—1)



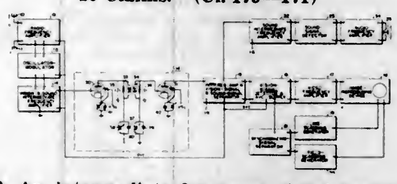
12. In building constructions, an external substantially vertical wall surface exposed to passing air streams of critical velocities, a plurality of spaced substantially perpendicularly extending abutments of greater turbulence creating value than any normal projections if any on said surface and of such area and distribution as to be arranged to create substantially predetermined turbulence in such passing air stream at critical velocities.

2,270,538
BUILDING STRUCTURE
Charles Townsend Ludington, Ardmore, Pa.
Application February 20, 1941, Serial No. 379,785
9 Claims. (Cl. 108—1)



9. In building constructions a side wall, a roof, a duct having an enlarged opening in the side wall terminating in a restricted slot in the roof for converting pressure against the side wall into high velocity discharge through the roof into the air stream over the roof, said duct being out of communication with the interior of the building construction.

2,270,539
INTERTUBE INTERMEDIATE-FREQUENCY COUPLING SYSTEM
Leonard R. Malling, Douglaston, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 18, 1940, Serial No. 330,278
10 Claims. (Cl. 179—171)

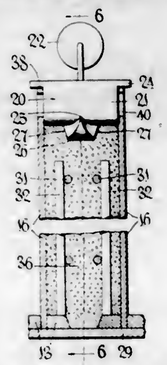


8. An intermediate-frequency signal-translating channel for a television receiver including a plurality of intertube coupling systems coupled in cascade, each of which comprises, a transformer including closely-coupled primary and secondary windings individually adapted to be tuned by capacitance to form a band-pass selector for passing vision signals of a wide frequency range, said capacitance being wholly composed of the inherent capacitance of the circuits and the tubes to which said windings are coupled, and means for aligning said coupling systems comprising solely means for adjustably fixing the mutual inductance between said windings, whereby said coupling systems can be aligned with each other and the over-all response of said intermediate-frequency coupling system can be adjusted to transmit with a uniform amplitude a desired wide band of picture signals.

2,270,540
PROCESS OF TREATING LIQUIDS
Wilhelm E. Mallory, Ann Arbor, Mich.
Application February 16, 1938, Serial No. 190,813
5 Claims. (Cl. 99—215)

5. The process of treating liquids which comprises the passing of the liquid through a heated tube to raise the temperature thereof to a predetermined point, the velocity of flow through such tube being such as to cause the turbulent boundary layer to extend substantially entirely to the tube wall and thereby substantially eliminate the laminar film and then promptly cooling the treated liquid while maintaining substantially the same velocity of flow.

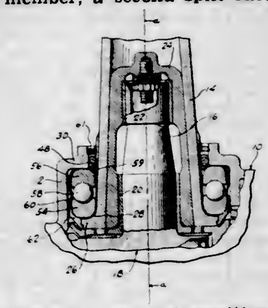
2,270,541
APPARATUS FOR FORMING AERATED CONCRETE SLABS
Charles A. Martin, Buffalo, N. Y.
Application February 2, 1939, Serial No. 254,265
1 Claim. (Cl. 25—41)



Apparatus for forming aerated concrete slabs having tongue and groove edge formations, comprising a mold having relatively flat parallel side walls, and end and bottom walls having formations for producing complementary tongue and groove formations at three edges of a slab being molded, and means for forming an element of a tongue and groove formation in the top edge of a slab being molded and for cooperating with said side walls to compress the material adjacent the top edge of the slab, said means comprising an elongated block slidably supported on said parallel side walls of the mold and having side edges received between said side walls, said block having its under surface inclining upwardly at the forward end thereof and said block having a formation on said under surface complementary to the formation to be produced in the top edge of the slab, said formation on said under surface diminishing in cross section toward the forward end of said block, thereby constituting a sled-like deflector adapted to produce the required formation in the slab edge and to cooperate with said upwardly inclined portion of the under surface and with said side walls of the mold to compress the material adjacent the upper edge of the slab and to push forwardly the material in excess of the amount required for compression when the block is slid on said parallel side walls.

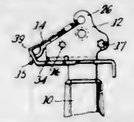
2,270,542
ANTIFRICTION BEARING
Erle Martin, West Hartford, and John E. Anderson, Portland, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application July 30, 1938, Serial No. 222,231. Divided and this application September 18, 1941, Serial No. 411,290
2 Claims. (Cl. 308—196)

1. In combination with a rotatable member having an externally flanged end portion and an internally flanged casing receiving the flanged end of said member for rotational movement relative thereto, an anti-friction thrust bearing between the flange on said member and the flange on said casing comprising, a split race member on the flanged portion of said member, a plurality of movable anti-friction elements on said race member, a second split race member



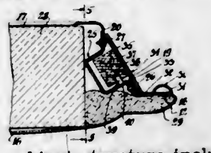
on said anti-friction elements positioned to bear against the flanged portion of said casing and a ring member spun upon said member carried race member and a portion of the member contiguous thereto and overlapping said second race member to maintain said bearing in place upon said member and prevent the parts of said member carried race member from separating.

2,270,543
MAGAZINE SAFETY RAZOR
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 3, 1940, Serial No. 343,697
18 Claims. (Cl. 30—40)



1. A safety razor comprising a head having an open-ended blade holder mounted to swing therein, and a guard concentric with the axis of the holder and having a limited gap preventing endwise removal of blades from the holder except when the holder is angularly located in line with the gap.

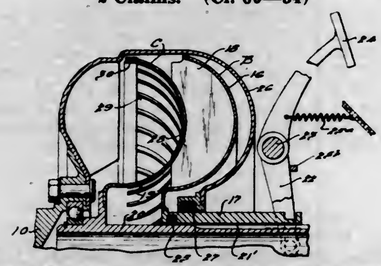
2,270,544
REFRIGERATOR
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 16, 1938, Serial No. 196,135
1 Claim. (Cl. 220—15)



Refrigerator cabinet structure including inner and outer sheet metal wall members spaced apart with edge portions turned toward each other and spaced to provide a relatively long and wide gap therebetween and forming hollow insulation receiving wall structure, clips arranged in spaced relation along said gap and bridging the space

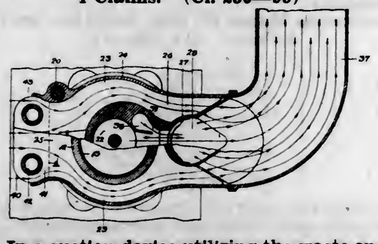
between said edge portions and secured thereto and independently maintaining said wall members apart in connected relation, said clips having intermediate portions inwardly bent to collectively provide a longitudinally disposed channel, a trim strip of heat insulating material spanning said gap and overlying the edges of said wall members, a backing strip of relatively rigid material on the underside of said trim strip secured thereto and extending into the space between said wall members, said relatively rigid backing strip being shaped to fit the longitudinally disposed channel formed by said clips, and means locking said backing strip and said clips together.

2,270,545
FLUID COUPLING DRIVE
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 11, 1940, Serial No. 313,382
2 Claims. (Cl. 60—54)



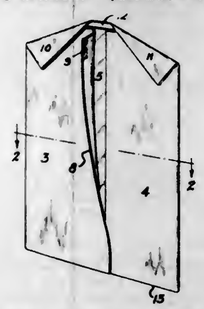
1. A fluid coupling comprising cooperable fluid-circulating relatively rotatable vane-carrying structures each having an annular dished support, a third structure comprising a slotted annular dished structure nesting within the dished support of one of the first said structures with the vanes thereof projecting through the slots of said third structure, and means for connecting said one and third structures together to prevent their relative rotation while accommodating their relative displacement in the direction of the axis of rotation of said one structure, said connecting means being adapted to maintain the slots of said third structure substantially free from torque-transmitting relationship with respect to the vanes of said one structure.

2,270,546
EJECTOR DEVICE
Alfons H. Neuland, Cleveland, Ohio
Application January 22, 1940, Serial No. 314,977
4 Claims. (Cl. 230—95)



1. In a suction device utilizing the waste energy of explosion gas from a source to suck air from a point of utilization, the combination of a conduit element and a stream forming impeller element arranged within said conduit element, one of said elements being adapted to suck air from said point of utilization and the other element being adapted to be connected with said source, said impeller element including a series of narrow flatwise adjacent nozzles extending edgewise substantially across the interior of the conduit element and distributed flatwise throughout substantially the entire section thereof, said nozzles being spaced one from another and shaped to form the gas and substantially all the air within the conduit into a series of layer like and substantially unidirectional streams and to join the streams of gas and air with one another in flatwise alternating relationship.

2,270,547
GARMENT BAG
Harold W. Nichols, Cincinnati, Ohio
Application August 9, 1939, Serial No. 289,257
3 Claims. (Cl. 206—7)

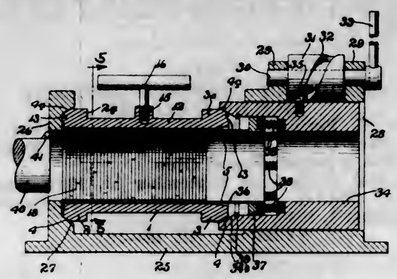


1. A garment bag or like container having lapping wall portions extending from one end of the bag to the other, and a strip of translucent substance longitudinally disposed, joined to the edge of one wall portion, and joined to the other wall portion along a line interspaced from said edge, whereby said substance serves to join said portions but is disposed to be covered by one of said portions when said portions are lapped, said strip of translucent substance permitting a view of the interior of said bag when the outer wall portion is raised from said translucent substance, said outer wall portion being joined to the lapped wall portion adjacent the ends of said bag whereby longitudinal tension in said bag as well as a longitudinally outwardly convex condition of said bag will cause said lapping wall portion to lie against said strip of translucent substance and cover it.

2,270,548
BORING CARTRIDGE FOR PISTON RINGS
Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application April 30, 1941, Serial No. 391,075
4 Claims. (Cl. 77—63)

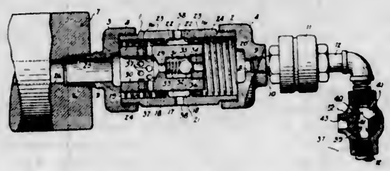
1. A piston ring cartridge comprising, a semi-cylindrical lower member having a longitudinal semi-cylindrical recess at its upper portion, the radius curvature of which is substantially that of a cylinder in which piston rings are to be used, a second like cartridge member located over the first member in an inverted position, securing means mounted on one of the members and adapted to be releasably connected with the other of said members for connecting them together and holding them from separation, whereby a plurality of piston rings finished except at their interior curved surfaces may be clamped

in side by side relation within the cartridge and substantially closed at their partings to substantially the form which they take when in use in an engine cylinder, and said cartridge members at each end being provided with annular



outwardly extending ribs, the outer end corner portions of which are cut away to provide a continuous annular beveled surface around each end of the cartridge when the two cartridge members are connected together.

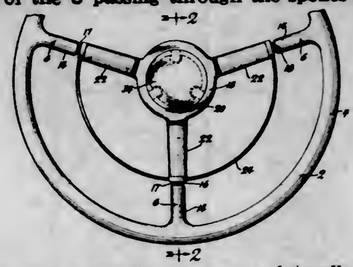
2,270,549
CONTROL VALVE FOR FLUID OPERATED DEVICES
Glenn H. Orr, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 20, 1940, Serial No. 314,887
6 Claims. (Cl. 277—61)



1. A valve comprising a chambered housing, fluid passages opening into spaced portions of the chamber, a movable body in the chamber, spaced means effecting seals between the body and the chamber walls to divide the chamber into an exhaust cell and a pair of cells each in communication with one of the openings, an outlet opening from the exhaust cell to the atmosphere, passages in the body located to place the outlet cell in communication with one of the other cells in one position of the body, said body being formed to seal the outlet cell from the other cells when in another position, a passage between the pair of cells, and a check valve in said last named passage.

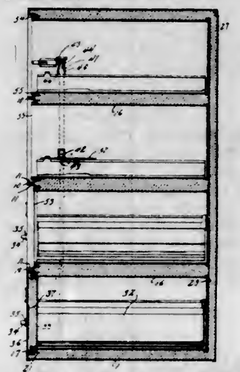
2,270,550
COMBINED STEERING WHEEL AND HORN RING
John Oswald, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 12, 1940, Serial No. 369,827
2 Claims. (Cl. 74—484)

1. In a combined steering wheel and horn sounder ring, a plurality of spokes on the wheel, a plurality of spokes on the horn ring, said horn ring spokes being U-shaped in cross section and overlying the wheel spokes and extending on both sides thereof, the plane of the undersides of the legs of the U passing through the spokes of the



wheel and concealing the same laterally for a part of their length.

2,270,551
MULTIDRAWER FIRE RESISTANT FILING CABINET
George F. Peiter, Toledo, Ohio, assignor to The Meilink Steel Safe Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1939, Serial No. 283,881
3 Claims. (Cl. 109—84)

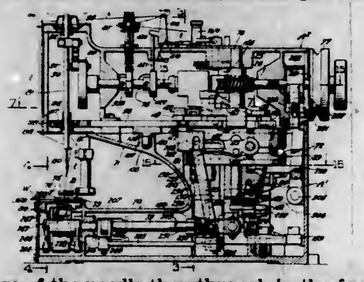


1. A casing having an open back and opposite thereto a drawer opening surrounded by an inwardly extending throat, a pocket insertable through the open back and having an exterior return bend flange to register with said throat in forming a multi-step seat, said pocket interior providing guide means for a drawer body, an insulation plastic filler unit enveloping the pocket and spacing the pocket back from the casing, and a closure for the back against the unit in completing the casing.

2,270,552
BUTTON SEWING MACHINE
Joseph H. Pikul, Boston, Mass., and Samuel W. Avis, Providence, R. I., assignors to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application January 5, 1938, Serial No. 183,480
In Great Britain February 24, 1936
13 Claims. (Cl. 112—110)

1. In a machine for sewing on buttons, the combination with stitch-forming devices including a needle and a cooperating looper, and mechanism for operating said stitch-forming devices to form groups of stitches, of an additional element cooperating with the looper to form a tying stitch, and means for operating said element only

at the end of the formation of a stitch group to position a thread loop held by the looper for the



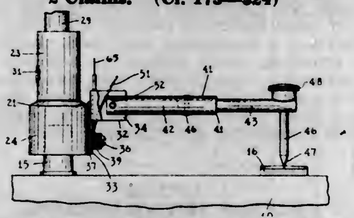
passage of the needle therethrough in the formation of a tying stitch and thereafter cause severance of the thread.

2,270,553
PLAYING BALL COVER
Ralph J. Potito, Revere, Mass.
Application December 17, 1940, Serial No. 370,505
5 Claims. (Cl. 273—65)



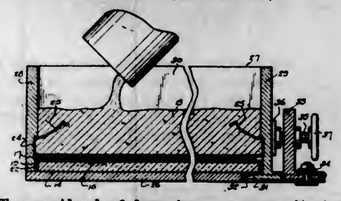
1. In combination with an inflated conventional football, an anti-skid covering detachably positioned around said ball, and comprising a tubular net of intermeshed inelastic strand material of a length less than the length of said ball, positioned around said ball, and drawstrings gathering edges of said net at each end of said ball and firmly drawing said net into a snug fit with relation to the surface of said ball.

2,270,554
BATTERY TESTER
Merlin L. Pugh, Minneapolis, Minn., assignor to Guy L. Pugh, Minneapolis, Minn.
Application March 13, 1939, Serial No. 261,463
2 Claims. (Cl. 173—324)



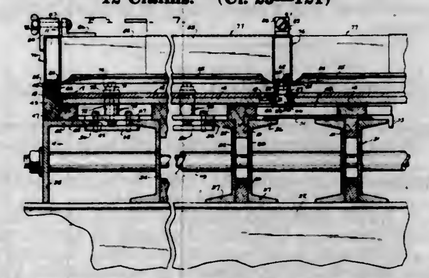
1. A battery contact device comprising an attachment adapted to be secured to a terminal of a battery, a mounting insulated from and secured to said attachment, a contact arm, a pivot for pivoting said arm to said mounting, said arm being movable from contacting position with reference to a connector of a battery to a position free therefrom, and a spring carried by said mounting and engaging said arm, said spring having movement toward the axis of said pivot, said spring and arm being arranged to procure engagement between said spring and arm at a locality to one side of a plane passing through the axis of said pivot and extending substantially in the direction of movement of said spring when the arm is in one position and being arranged to procure engagement between said arm and spring at a locality on the other side of said plane when the arm is in its other position whereby the arm is urged in either of its positions by means of said spring when the arm approaches such positions.

2,270,555
METHOD OF FORMING COMPOSITE BUILDING BLOCKS
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application September 11, 1939, Serial No. 294,231. Divided and this application August 3, 1940, Serial No. 350,503
3 Claims. (Cl. 18—59)



1. The method of forming a composite building block having a body portion of cementitious material, an ornamental vitreous face plate covering a surface of said body portion, and metal holders arranged at the sides of the block and having portions engaging the edges of said face plate and other portions embedded in said body portion, comprising the steps of placing the face plate horizontally within a mold, associating the metal holders with the edges of the face plate, causing said metal holders to exert a definite pressure upon the edges of said face plate, casting the cementitious material forming the body portion upon the back of said face place in a manner to embed portions of said metal holders therein, and in then causing said cementitious body portion to set while maintaining the metal holders under pressure in engagement with the edges of the face plate whereby to "shrink" the said metal holders upon the edges of the said face plate.

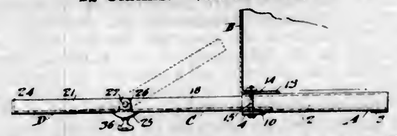
2,270,556
APPARATUS FOR USE IN THE MANUFACTURE OF BUILDING BLOCKS
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application June 11, 1937, Serial No. 147,691. Divided and this application September 24, 1940, Serial No. 358,150
12 Claims. (Cl. 25—121)



1. In apparatus for use in the manufacture of

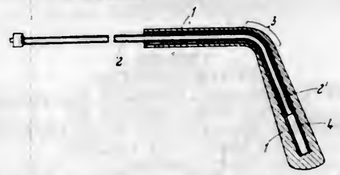
that type of composite building block which includes a body portion, an ornamental face plate covering a surface of said body portion and metal frame members surrounding the edges of the face plate and engaging the body portion for securing the face plate to the body portion; comprising a table for supporting the face plate horizontally thereon, clamping means carried by the table for securing the face plate in fixed position thereupon and for also clamping the metal frame members in proper association therewith, and a mold removably supported by said clamping means in surrounding relation to said face plate for receiving the material forming the body portion.

2,270,557
AUTOMOBILE SHELF
Alfred Randall, Miami, Fla.
Application September 24, 1940, Serial No. 358,168
12 Claims. (Cl. 311—22)



1. An automobile shelf comprising a supporting structure, a slidable shelf member retractable within and extensible partially from said supporting structure including enclosing side slide members, a folding shelf member carried by said slidable member adapted to be opened out as an extension thereof when said slidable member is extended, and means cooperating between said supporting structure and the slidable shelf member retaining the shelf against being pulled entirely from the supporting structure.

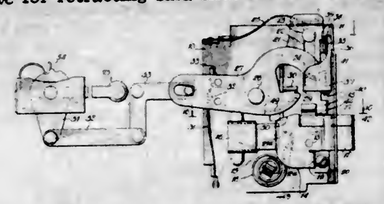
2,270,558
ADJUSTABLE SPECTACLE TEMPLES
Friedrich Riegler, Munich, Germany
Application June 14, 1939, Serial No. 279,162
In Germany August 29, 1938
4 Claims. (Cl. 88—52)



1. A spectacle frame having adjustable temples comprising a hollow unflexible ear member having a bent portion, and a flexible member extending into said ear member beyond said bent portion and tightly fitting yet being permanently slideable in said ear member.

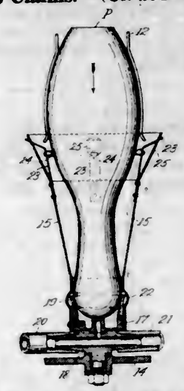
2,270,559
DOOR LOCK
Samuel F. Rolph and Avagim Wartian, Detroit, Mich., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 21, 1938, Serial No. 220,446
9 Claims. (Cl. 292—164)

1. In a lock of the class described, a base plate, an end plate substantially at right angles thereto, a bolt mounted for locking movement relatively to said end plate, a locking slide for said bolt mounted on said base plate, a lever on said base plate for retracting said slide from locking posi-



tion, and a second lever on said end plate and adapted also for retracting said slide, said first lever being movable also into a position in which it blocks movement of said second lever.

2,270,560
BOWLING PIN SUPPORT CENTERING MECHANISM
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application March 21, 1940, Serial No. 326,135
8 Claims. (Cl. 294—65)

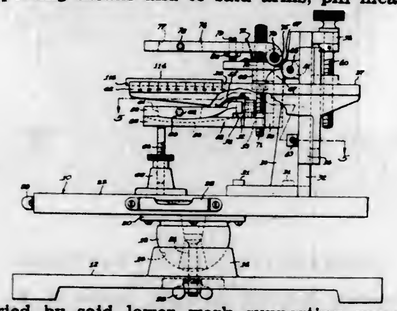


8. In a bowling pin setter, the combination with an inverted support, of yielding means on said support for holding one end of a pin, said support being movable from a position wherein said means is disposed to admit a bowling pin, to a reversed position, and means engaging the inserted pin to prevent canting or tilting thereof during the reversal of said support.

2,270,561
METHOD OF AND APPARATUS FOR MAKING DENTURES
William E. Sanborn, Detroit, Mich.
Application October 3, 1938, Serial No. 233,045
2 Claims. (Cl. 32—32)

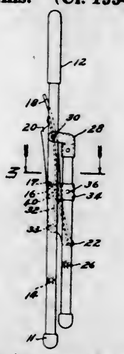
1. In an articulator for making dentures, an upstanding support having pin-receiving means, a second support also having pin-receiving means, a pair of integral arms carried by said first-named support for vertical movement relatively thereto and extending therefrom horizontally and in lateral spaced relation to each other, upper work supporting means above and intermediate said arms, pin means carried by said work supporting means within said second-named pin-receiving means for providing an axis about which said work supporting means is

movable relatively to said second support and to said arms, lower work supporting means below and intermediate said arms, cooperating means formed on said lower work supporting means and said second support to enable the latter and said upper work supporting means to move rectilinearly as a unit relatively to said lower work supporting means and to said arms, pin means



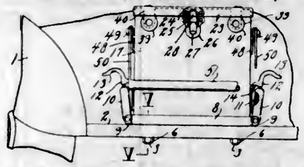
carried by said lower work supporting means within said first-named pin-receiving means for providing an axis about which said lower work supporting means, said upper work supporting means and said second support are movable as a unit relatively to said upstanding support and to said arms, and a plate removably carried horizontally on said arms.

2,270,562
CHAIR STRUCTURE
George D. Schermerhorn, Reading, Mich.
Application July 24, 1939, Serial No. 286,105
4 Claims. (Cl. 155—142)



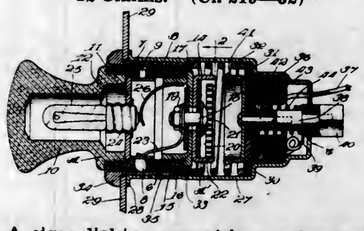
3. A folding chair comprising a pair of uprights, a seat pivot rod extending therebetween, a seat having side rails and pivotally supported upon said rod, said rod having a bearing at each end between the seat and the adjacent upright, a pair of rear legs pivoted at their upper ends to the uprights to fold thereagainst or to be outspread therefrom, said two rear legs being spaced apart the same distance as the two uprights whereby each rear leg is disposed within the same fore and aft plane as its corresponding upright, a coupling element secured at one end to each rear leg and extending forwardly toward the seat and movably coupled at the opposite end with the adjacent side rail of the seat, said coupling element having a notched projecting portion adapted upon the folding of the rear legs against the uprights to enter the space between the side rail of the seat to which it is coupled and the adjacent upright and to ride underneath the corresponding bearing of the seat pivot rod exerting pressure upwardly thereon and to releasably engage the same within said notch to releasably maintain the chair in the folded relationship.

2,270,563
EMERGENCY KIT
Paul A. Schnebelen, Toledo, Ohio, assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio, a corporation of Ohio
Application July 5, 1940, Serial No. 344,036
2 Claims. (Cl. 136—181)



1. An emergency kit for linemen comprising a readily portable receptacle set, of which the first receptacle is an upwardly flanged rigid base adapted to be attached to the running board or other like support of a vehicle in providing anchorage, a second of which receptacles is a battery box upwardly extending to protrude from and surrounded by the base in providing a housing adapted to contain a battery unit, said base being provided with swingable spring hooks for clamping anchorage from the protruding box portion with the base for holding the set assembled, the third of such receptacles being an insulation cup seated in the box, which cup is adapted to provide a shallow pocket to receive the battery unit to space the unit from the base, a closure for the box having a filler against the top of the battery unit, a bail pivoted on the box and swingable from out-of-use clear of above the box to in-use position below the top of the box, and a clamp for holding the closure in shut position with the box in thereby anchoring the battery to be spaced from the box and closure by the cup and filler, thereby adapted to hold the unit with the flanged base for transit therewith and readily detachable by releasing the hooks for the box to be carried by the bail with the battery unit anchored therein.

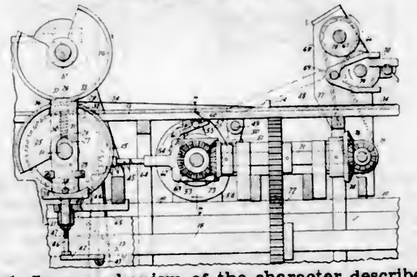
2,270,564
CIGAR LIGHTER
Bernard A. Schroeder, Evanston, Ill., assignor to John Sinko, Chicago, Ill.
Application March 5, 1936, Serial No. 67,379
12 Claims. (Cl. 219—32)



3. A cigar lighter comprising: a heating element adapted to form part of an electrical circuit; means for closing said circuit; and means responsive to a reduction of current in said circuit for automatically opening the circuit comprising a solenoid and an associated plunger connected in series in said circuit, said plunger having a movable contact adapted to make electrical

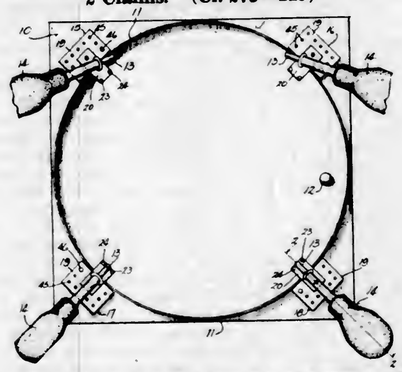
contact with the heating element and close said circuit, and a spring urging said plunger and contact into open circuit position.

2,270,565
DISCARDING APPARATUS FOR BAG FEEDING MECHANISM
William E. Sharkey, Middletown, Ohio, assignor to The Raymond Bag Company, Middletown, Ohio, a corporation of Ohio
Application June 10, 1938, Serial No. 212,964
9 Claims. (Cl. 209—80)



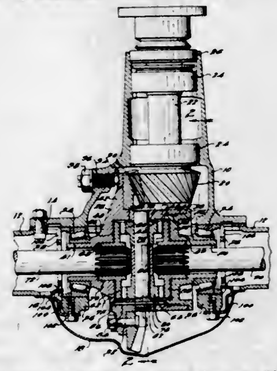
1. In a mechanism of the character described, means for feeding valved bags in a fixed path, a detector rotatably mounted at one side of said path and yieldable transversely to its axis of rotation, means for rotating said detector in timed relation to said feeding means to move a part thereof across the edge of a properly formed valve on a bag which is being advanced by said feeding means and to cause said part to engage a projecting portion of an improperly formed valve on such a bag and thereby actuate said detector, a normally inoperative device arranged beyond said detector and adapted to engage a bag which is being advanced by said feeding means and divert said bag from said fixed path, and means for initiating the operation of said diverting device including a controlling member movably mounted on a stationary support adjacent to said detector and so located with relation to the path of rotation of said detector that it will be engaged and actuated thereby when said detector has been actuated by the engagement of said part thereof with an improperly formed valve.

2,270,566
GAME BOARD
Earl Vinton Shue, Milwaukee, Wis.
Application April 13, 1940, Serial No. 329,447
2 Claims. (Cl. 273—119)



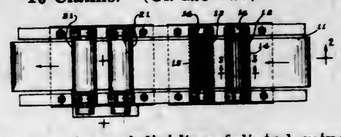
1. A playing board having a playing surface provided with a rim to define its margins, spaced blocks outside the rim, a clip for each block secured thereto and extending over the rim and over a portion of the playing surface, a nozzled air stream motivating device and a playing element movable over the playing surface thereby, and a nozzle directing turret above the clip whereby to prevent a player from directing air stream directly at the playing element under the clip.

2,270,567
DIFFERENTIAL MECHANISM
George Slider, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 13, 1940, Serial No. 329,401
3 Claims. (Cl. 74—312)



1. An axle assembly comprising a differential carrier, a driving pinion journaled in said carrier, a differential housing journaled in said carrier, a driven gear carried by said differential housing for driving engagement with said pinion, said differential housing comprising a cylindrical member having an integral face bearing at one end and being open at its opposite end, oppositely disposed face bearings on the inner surface of the cylindrical member of said differential housing, a removable cap for the open end of said differential housing having a face bearing in spaced relation to the face bearing at the one end of said differential housing, straight spur gears bearing on the face bearings on the inner surface of the cylindrical member, flat face side gears bearing on the face bearings of said differential housing and said removable cap in meshed engagement with said spur gears, and axle shafts driven by said side gears.

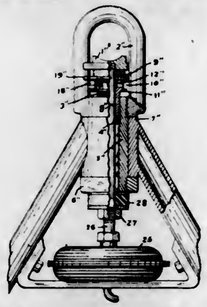
2,270,568
TREATMENT OF LAMELLAR MATERIALS
William Waterman and Charles Harazin, Chicago, Ill., assignors to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application August 8, 1939, Serial No. 288,948
10 Claims. (Cl. 125—24)



1. Apparatus for subdividing foliated mineral material comprising in combination a conveyer belt for carrying a layer of flat pieces of said

material with their laminae generally parallel to the face of the belt, a plurality of rolls having teeth for flexing said pieces on the belt in directions transverse to the laminae, the teeth on the respective rolls being arranged to flex the pieces in about different axes to weaken the bond between the laminae, and means subsequently engaging said pieces to split the same at the weakened bonds into a plurality of very thin flakes.

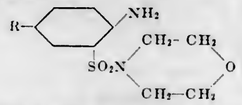
2,270,569
COUPLING EYE
Dewey S. Weiss, Portland, Oreg.
Application February 5, 1940, Serial No. 317,311
2 Claims. (Cl. 280—33.15)



1. A coupling-eye comprising, an integral eye-piece attachable to a trailer tongue, a throat-piece to regulate the size of the aperture in said eye-piece, pneumatic means to actuate said throat-piece, and auxiliary screw means associated with said throat-piece and said pneumatic means to retain said throat-piece in an adjusted disposition in event of failure of said pneumatic means.

2,270,570
ARYLSULPHONAMIDE AZO DYE INTERMEDIATES
Byron L. West, Plainfield, and Dale R. Eberhart, Middlesex, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 23, 1939, Serial No. 275,153
2 Claims. (Cl. 260—247)

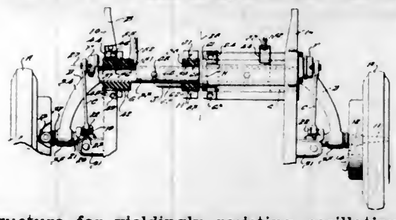
1. An azo dye intermediate having the following general formula:



in which R is a member of the group consisting of nitro, amino and acylamino.

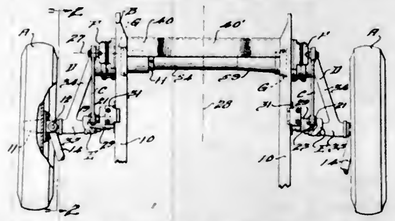
2,270,571
WHEEL SUSPENSION FOR MOTOR VEHICLES
Harry T. Woolson, Detroit, Alexander G. Herreshoff, Grosse Pointe, Harold A. Hicks, Detroit, and Glenn H. Parker, Royal Oak, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 2, 1938, Serial No. 238,421
17 Claims. (Cl. 267—21)

1. In a motor vehicle having a longitudinally extending frame structure and a pair of road wheels disposed at opposite sides of and adjacent one end of the frame structure, means associated with each of said wheels and said frame structure for supporting and guiding said wheels for independent rising and falling movement, each of said supporting and guiding means including an oscillatory wheel carrying arm structure having a frame supported portion extending generally transversely of said frame structure, means comprising a body of deformable material for mounting each of said supported portions on said frame



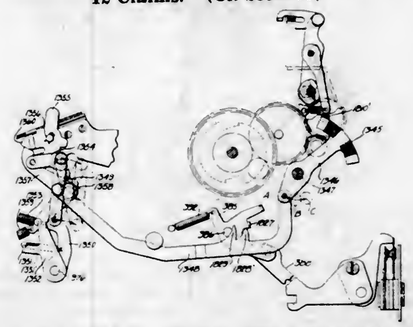
structure for yieldingly resisting oscillation of each supported portion about a common axis extending generally transversely of said frame structure, and stabilizer means comprising a torsion bar having a body portion disposed adjacent said axis of oscillation, said torsion bar having opposite end portions extending at an angle from said body portion for connection respectively with the supported portions of said oscillatory arm structure.

2,270,572
WHEEL SUSPENSION FOR MOTOR VEHICLES
Harry T. Woolson, Detroit, Alexander G. Herreshoff, Grosse Pointe, Harold A. Hicks, Detroit, Glenn H. Parker, Royal Oak, and Raymond A. Wyatt, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 2, 1938, Serial No. 238,422
28 Claims. (Cl. 267—21)



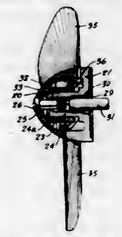
1. In a motor vehicle having a longitudinally extending frame structure and a pair of road wheels disposed at opposite sides of and adjacent one end of the frame structure, means associated with each of said wheels and said frame structure for supporting and guiding said wheels for independent rising and falling movement, each of said supporting and guiding means including an oscillatory wheel carrying arm structure having a frame supported portion extending generally transversely of said frame structure, means comprising a body of deformable material for mounting each of said supporting portions on said frame structure for yieldingly resisting oscillation of each supporting portion about a common axis extending generally transversely of said frame structure, a pair of oscillatory members respectively fixed for oscillatory movement with said frame supported portions of said arm structures, and a body of deformable material bonded to said pair of oscillatory members so as to connect the supporting portions of said oscillatory arm structures to yieldingly resist relative oscillation thereof, said members and body being so constructed and arranged as to place said body under torsional stress between said members in response to said relative oscillation of said frame supported portions.

2,270,573
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application April 12, 1940, Serial No. 329,281
12 Claims. (Cl. 235—79)



9. In a calculating machine, the combination with a settable automatic division controlling mechanism and a reversible counting mechanism, of means for reversing said counting mechanism comprising a settable control member, means actuated by said automatic division controlling mechanism, upon setting thereof, for setting said control member, yieldable means rendered effective by resetting of said division controlling mechanism for resetting said control member, means thereafter effective during continued operation of the machine for restraining said control member from movement by said yieldable means, and means operable as an incident to termination of operation of the machine for rendering said restraining means ineffective.

2,270,574
FAN
Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 25, 1937, Serial No. 160,806
13 Claims. (Cl. 170—173)



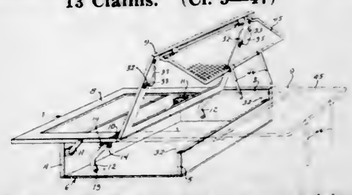
1. In a fan, a plurality of blades; a hub comprising two sections formed with slots on their peripheral line of jointure, and inclined to the axis of the hub in order to determine the pitch of said blades, said sections adapted to engage said blades having mutually interfitting male and female sleeves respectively, positioned adjacent the axis of said sections and co-axial with the hub; and means for locking the sections in clamping relation with the blades; mutual interfitting engagement of the sleeves reenforcing the hub against relative lateral displacement of said sections, and the interior of one of the sleeves forming a socket for receiving the end of a shaft.

2,270,575
FAN
Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application May 25, 1938, Serial No. 209,870
5 Claims. (Cl. 230—259)



1. In a fan, a motor having a shaft, a hub comprising a plurality of interfitting sections with their lines of jointure formed to include a plurality of slots which extend helically around the same and are adapted to receive fan blades; a plurality of resilient blades radiating from an integral central portion, each slot having one of said blades positioned therein; and clamp means operative by a single actuation for locking the sections together in clamping relation with the blades and for securing the clamped together hub and blades to an end of the motor shaft.

2,270,576
DIVAN BED
Joseph D. Bell, San Francisco, Calif.
Application December 17, 1938, Serial No. 246,510
13 Claims. (Cl. 5—47)



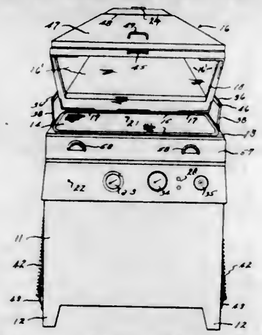
2. In a divan bed, a frame box comprising side members, a front wall, and a rear wall higher than the front wall, a movable frame comprising a back section, a seat section and a single hinge directly connecting adjacent edges of the same substantially in the plane thereof, means for supporting the movable frame in the box in divan position comprising a pair of relatively short links having their lower ends pivoted to the frame box near the rear wall and slightly below the top thereof so as to lean against the rear wall in substantially upright position and to project above the latter by about half their length, and having their upper ends pivoted to the back section intermediate its height and slightly below its center of gravity so as to cause the upper end of the back section to overbalance the lower end, with the seat section tending to hold the back in upright position, means for supporting the seat section in seat position and means for raising the seat section during a forward movement thereof, whereby upon a tilting backward of the upper end of the back section the seat section is moved forward and raised and

the back section is moved forward and lowered and comes to rest on the rear wall of the box, the seat raising means guiding the seat into horizontal alinement with the back resting on the rear wall of the box.

2,270,577
COMPOUNDED LUBRICATING OIL
Roland F. Bergstrom, Oakland, and Earl Eugene Phillips, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 31, 1940, Serial No. 338,238
12 Claims. (Cl. 252—33)

1. Lubricating oil suitable for internal combustion engines containing dissolved from .25% to 5.0% of a sulfonate salt and an arylamine having anti-oxidant properties, in an amount between .25% to 2% and not less than one-sixth of the content of said salt, said sulfonate being oil-soluble, free of free acid and combining a petroleum sulfonic acid with a polyvalent metal which forms an oxide that is not readily converted to other oxides under conditions of crankcase lubrication.

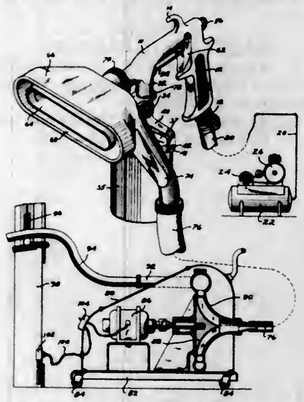
2,270,578
PHOTOGRAPHIC PRINTING DEVICE
James T. Campbell, Highland Park, Mich.
Application February 4, 1941, Serial No. 377,357
16 Claims. (Cl. 95—76)



1. In a vacuum printing device, the combination, a supporting member, a yielding blanket member disposed thereon, a cooperating air-sealing glass frame, a hood for said blanket member hinged to said supporting member and carrying said glass frame, illuminating means disposed within and carried by said hood, water cooling means for said illuminating means, water pressure actuated means for establishing electrical contact to said illuminating means at a predetermined water pressure, and a water reservoir joined to said cooling means for providing additional cooling fluid when the main water supply is off.

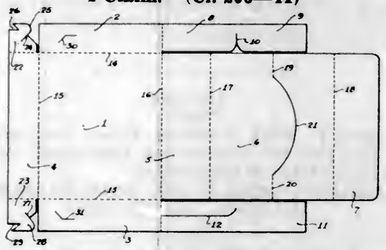
2,270,579
CLEANING DEVICE
John W. Chamberlin and Rex Earl Bassett, Jr., South Bend, Ind.
Application May 19, 1939, Serial No. 274,594
11 Claims. (Cl. 15—4)

1. A portable cleaning device, adapted to be passed over upholstery or the like which is to be cleaned, comprising a head adapted to contact the upholstery and which comprises a flared inner nozzle and an outer nozzle coaxial therewith and spaced therefrom to provide an annular zone between them and both of which are constructed to seal against said upholstery, a source of suction connected to one of said nozzles, a source of cleaning liquid and a source of fluid under pressure connected to the other of said



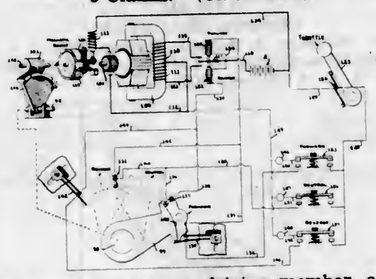
nozzles, and means for causing the fluid under pressure to project the cleaning liquid through said other nozzle against the upholstery in the form of a spray, said nozzles being rigid with the head and the outer nozzle projecting beyond the inner one to sink into the upholstery when the upholstery is engaged by the inner nozzle, to give an effective peripheral seal.

2,270,580
CARTON
Walter C. Christy, Evanston, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 8, 1939, Serial No. 289,053
1 Claim. (Cl. 206—44)



A carton blank comprising a bottom, a front wall integral with said bottom and separated therefrom by a scoreline, a rear wall higher than said front wall, integral with and extending from the other side of said bottom and separated therefrom by a scoreline, a top integral with said rear wall and separated therefrom by a scoreline, a front flap of a height equal to the height of the rear wall integral with said top and separated therefrom by a scoreline, sides of substantially the same height as the front, integral with said bottom at the sides thereof and provided with flaps integral therewith and extending along said rear wall and top, one of said flaps being provided with a slit and the other of said flaps being provided with a tongue adapted to interlock within said slit, slits in said side walls adjacent to the front wall of said blank and flaps extending from the ends of said front wall and cut away to form a tongue on the outer edge thereof and adapted to be inserted in the slit of the adjacent side wall.

2,270,581
REVERSE GEAR AND CONTROL
Robert H. Clarke, Madison, N. J.
Application November 6, 1939, Serial No. 303,014
5 Claims. (Cl. 74—298)



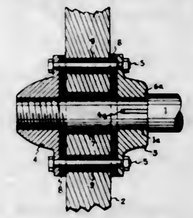
1. In combination, a driving member, a driven member, a clutch between said driving and driven members, a reversing unit between said driving and driven members, said reversing unit comprising a brakable member and being operative to reversely drive said driven member when said brakable member is braked, means for braking said brakable member, common control means for operating said clutch and said braking means, and a reversible electric motor driving said control means, said control means when in one position engaging said clutch and disengaging said braking means, when in a second position disengaging both said clutch and said braking means and when in a third position disengaging said clutch and engaging said braking means, a first switch operating said motor to bring said control means into said first position, a second switch operating said motor to bring said control means into said second position, and a third switch operating said motor to bring said control means into said third position.

2,270,582
FOOD PRODUCT
Gustavus J. Esselen, Swampscott, Mass.
No Drawing. Application September 5, 1939, Serial No. 293,431
5 Claims. (Cl. 99—124)

2. A powdered soup composition which on the addition of water becomes dispersed to form a broth, said composition having a basic soup-forming ingredient of mono-sodium glutamate, a thickening agent in proportion to the thickness desired in the broth and a flavoring ingredient.

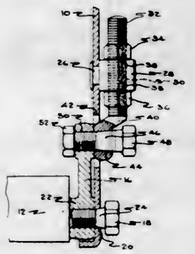
2,270,583
SOUND INSULATED DRIVE CONNECTION
George Forton, Detroit, Mich.
Application May 27, 1940, Serial No. 337,355
2 Claims. (Cl. 64—11)

1. A drive connection comprising a drive shaft having a reduced end portion and an annular shoulder at the juncture of such portion with the main body of the shaft, a drive-transmitting collar mounted on said reduced portion against said shoulder, in driven engagement with said portion, a driven member mounted on said reduced portion and laterally adjoined to said collar, bolts attaching the collar to the driven member, packing sleeves engaging the bolts and sound-insulating them from the driven member, and a sound



insulating packing interposed between the collar and the driven member.

2,270,584
CUTTER BAR ADJUSTMENT ASSEMBLY
Truman B. Funk, Jackson, Mich., assignor to Yard-Man, Inc., Jackson, Mich., a corporation of Michigan
Application July 31, 1940, Serial No. 348,965
5 Claims. (Cl. 56—289)

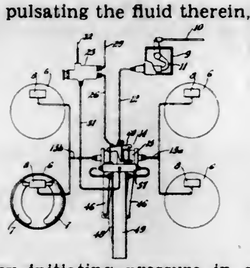


1. In a lawn mower, a cutter bar adjustment assembly, a side frame having an aperture therein, a cutter bar, an adjustment arm rigid with said bar, a pivot member for said cutter bar extending through said aperture and threaded into said arm, said member having wedged engagement with said aperture in said side frame, a swiveled collar carried upon the outside of said side frame having a bore therethrough parallel to said side frame, an enlarged aperture in said side frame, an eye bolt having a threaded shank extending through said bore and having the eye thereof in offset relation to said threaded shank, adjustment nuts upon said shank located upon opposite sides of said collar and adapted to be tightened down upon said collar to rigidly position the eye bolt relative to said side frame, the offset eye of said eye bolt being disposed in said enlarged aperture, and a second pivot member extending through the eye of said eye bolt and shaped to wedge therein, said pivot having means to clamp it in said eye and against the upper end of said adjustment arm.

2,270,585
HYDRAULIC PRESSURE PULSATING MECHANISM
Raymond J. Gartner, Canton, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 18, 1938, Serial No. 202,687
31 Claims. (Cl. 188—152)

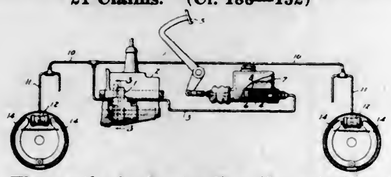
1. In a hydraulic fluid pressure system, piston

means for pulsating the fluid therein, and means



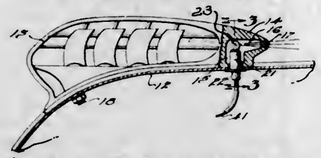
operable by initiating pressure in said system for reciprocating said piston means.

2,270,586
VEHICLE BRAKE PULSATOR AND METHOD OF BRAKING
Charles J. Jahant, Akron, William C. McCoy, Shaker Heights, and Herman T. Kraft, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 17, 1937, Serial No. 164,290
21 Claims. (Cl. 188—152)



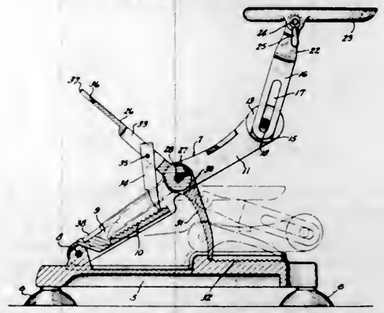
1. The method of retarding the velocity of a vehicle having pedal-actuated friction brakes which comprises applying a primary load to the brakes through the pedal, automatically rendering the pedal ineffective to energize the brakes for a series of rapidly recurrent, relatively short-time intervals, alternating with time intervals during which the braking force is determined by the pedal pressure and a succession of primary loads is established, and automatically varying the braking load during the time intervals that the pedal is ineffective to produce a succession of secondary loads.

2,270,587
HEADLIGHT INDICATOR
Cecil Gaylord Hall, Jackson, Mich.
Application September 14, 1938, Serial No. 229,921
1 Claim. (Cl. 177—311)



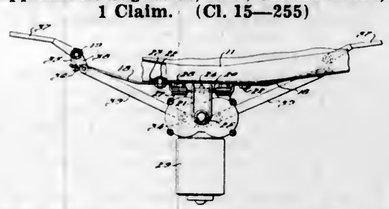
A device for producing a predetermined indication including a vehicle radiator shell ornament having an L shaped passage in its rear end portion comprising a passage section extending and opening rearwardly in the forward view of the driver of said vehicle and a communicating passage section opening downwardly said passage being closed at the junction of said passage sections for obstructing forward projection of light therefrom, means on said ornament for attaching the latter to a support, a light unit including a light bulb and socket therefor extending into said downwardly opening passage section for emitting light in the direction of said driver, means for mounting said light unit on said support and centrally of said downwardly opening passage section, and a transparent light emitting closure in the opening of said rearwardly extending passage section for directing light toward said driver, the projection of light from said bulb in all other directions being obstructed by the walls of said passage.

2,270,588
CORPSE HEADREST
Stephen H. Hanson, Racine, Wis.
Application August 30, 1940, Serial No. 354,803
9 Claims. (Cl. 27—13)



1. In a head rest device having a base and having a support on which the back of a subject's head is adapted to rest adjustably connected to said base, an auxiliary supporting arm having an adjustable connection with said base and of a length to engage with the neck of a subject below the place of engagement of the head with the head support while the head is supported on said head support to relieve distention and constriction of the vertebrae occurring as a result of support of the head on said head support.

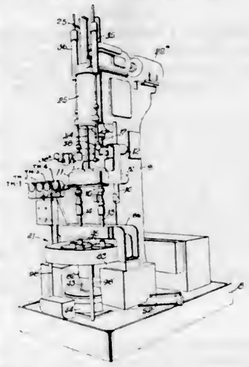
2,270,589
WINDSHIELD WIPER
Wray C. Hansen, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 22, 1939, Serial No. 291,384
1 Claim. (Cl. 15—255)



Dual windshield wiper mechanism for wiping each of the panels of a V-type windshield comprising a base member having a central portion for receiving a driving mechanism and a pair of laterally extending arms for receiving at the extremities thereof driven mechanisms, a prime mover unit including a motor, a shaft driven by said motor, a worm mounted on said shaft, a pair of worm wheels meshed with said worm, shafts driven by said worm wheels, a crank arm on each shaft, a pair of bushings pivotally mounted at the ends of said laterally extending arms, driven shafts journalled in said bushings, a crank on each of said driven shafts, a link connecting

one of the crank arms on the shaft driven by one of said worm wheels with the crank arm on the shaft in one of said bushings, a link connecting the other pair of said cranks, all of the aforesaid mechanism being mounted as a unitary assembly underneath the cowl of a motor vehicle with said bushings in contact with the under side of the cowl and the shafts therein extending through the cowl and wiper arms on said last named shafts externally of said cowl, said bushings being adjustable by means of said pivotal mountings to accommodate variations in the angular relation of the panels of said V-type windshield.

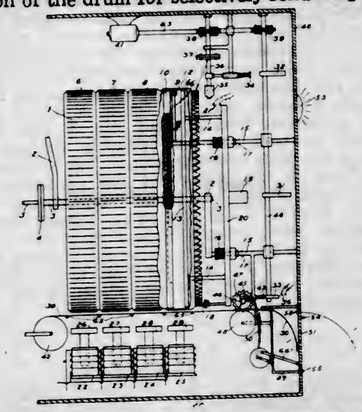
2,270,590
HONING MACHINE
Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application October 10, 1938, Serial No. 234,146
23 Claims. (Cl. 51—34)



1. In a machine for rough honing and finish honing cylindrical work pieces in successive steps, in combination, a reciprocatory head, two tool supporting spindles journaled on said head, means for rotating the spindles, an expansible honing tool supported on each spindle and rotatable therewith, one of said tools being adapted for the removal of a substantial amount of metal from a work piece and the other tool being adapted for the removal of a smaller amount of metal but capable of producing a smooth finish on the work piece, hydraulically actuated means associated with each tool for expanding the tool into operative engagement with a work piece, a support for work pieces to be operated on by said tools, a hydraulic circuit for supplying pressure fluid to the tool expanding means to expand the tools into operative engagement with the work pieces, and control means in said circuit individual to each tool for independently varying the pressure exerted by the tool on the work piece.

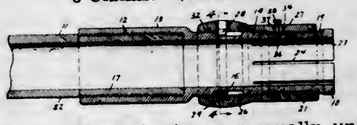
2,270,591
AUTOMATIC COMPUTING AND BILLING METER ATTACHMENT
Harold Martin Keckley, Fort Jennings, Ohio
Application October 29, 1938, Serial No. 237,790
1 Claim. (Cl. 234—58)

A billing device for metered service comprising a rotatable drum having a plurality of rows of printing characters representing pre-computed notations disposed around its periphery, means for rotating said drum in accordance with the operation of a meter, a plurality of impression taking means, one co-operating with each row of characters on the drum, means governed by the position of the drum for selectively rendering one



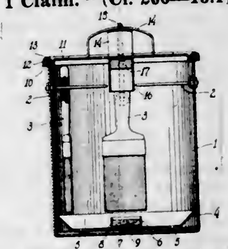
only of said impression-taking means operable and means for operating said impression taking means.

2,270,592
AUTOMATIC CHOKE FOR GUN BARRELS
James H. Kitzmiller, Reading, Pa.
Application June 2, 1938, Serial No. 211,311
5 Claims. (Cl. 42—79)



1. A gun barrel having a normally uniform bore, an external tapered enlargement at the discharge end of said barrel, said barrel having slots extending inward from the discharge end thereof, and a sleeve-like member constructed and arranged to slide freely on said barrel and to automatically ride onto said tapered enlargement in response to the recoil of the gun to thereby constrict the discharge end of said bore.

2,270,593
STORAGE RECEPTACLE AND CONDITIONER FOR PAINT BRUSHES
Ernst Kurath, James F. Campbell, and Joseph M. Ness, Milwaukee, Wis.
Application August 30, 1938, Serial No. 227,484
1 Claim. (Cl. 206—15.1)



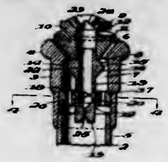
In a receptacle and conditioner for paint brushes and the like, the combination of a container, adapted to receive a vaporizable liquid, whose vapor has a higher specific weight than air, said container being of a height greater than

the length of the brushes which are to be stored to permit the latter to be freely suspended therein, brush supports arranged adjacent to the inside of the side wall of said receptacle and adapted to freely support the brushes, a shallow dish substantially covering the bottom of said receptacle and supported in spaced relation therefrom and forming with the latter a space for receiving a liquid, said dish being provided with a cup, a porous wad in said cup, a hole in the bottom of said cup and passing through said dish and a wick extending from said wad through said hole to the bottom of said container, said wad being adapted to cause evaporation of the liquid, and to cause the thus formed vapor to permeate said receptacle and to prevent paint adhering to the brushes from hardening, and a cover adapted to form a tight seal with said receptacle so as to prevent escape of the vapor therefrom.

2,270,594
SOLDERING ALLOY
Josef Leuser, Pforzheim, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application October 31, 1938, Serial No. 238,064. In Germany November 5, 1937
2 Claims. (Cl. 75—134)

1. A soldering alloy highly resistant against tarnishing consisting of 15% to 35% of palladium, 10% to 25% of gold, 7% to 20% of copper, 5% to 15% of cadmium and the remainder substantially all silver.

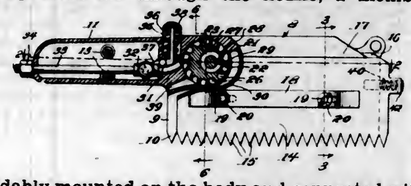
2,270,595
LAWN SPRINKLER
Joseph D. Lewis, Santa Barbara, Calif.
Application January 6, 1939, Serial No. 249,626
11 Claims. (Cl. 299—18)



1. A sprinkler head comprising a casing adapted to be connected at one end to a supply pipe and having at its opposite end a frusto-conical flaring opening, frusto-conical means for partially closing said opening, a diaphragm interposed between the ends of said casing, and a plurality of openings of different dimensions formed in said diaphragm for determining the shape of the pattern of the water discharged through said restricted opening in said casing, said restricted opening being angularly disposed to the direction of the jets issuing from the openings in said diaphragm.

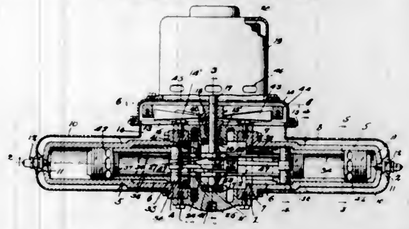
2,270,596
SHEARS
John Herman Medlen, Red Cloud, Nebr.
Application January 27, 1941, Serial No. 376,199
4 Claims. (Cl. 30—228)

4. In a shearing implement, an elongated body having cutting teeth formed along one longitudinal edge thereof, a blade slidably connected with the body having cutting teeth in co-acting relation with the cutting teeth of the body, a rotor journalled on the body, means connecting the rotor with the blade for reciprocating the latter upon rotation of the rotor, a nozzle mounted on the body and positioned to direct air under pressure against the rotor to rotatably drive the same, a valve mounted to control the passage of compressed air through the nozzle, a member



slidably mounted on the body and connected with the valve for operating the same, and a spring pressed element attached to the said valve actuating member operative to yieldingly close the valve and manually compressible to open the valve to effect operation of the rotor and blade.

2,270,597
INTERNAL COMBUSTION ENGINE
Cleburne Higgins Merrell, Beaumont, Tex.
Application November 1, 1940, Serial No. 363,937
5 Claims. (Cl. 123—50)



2. An engine including opposed cylinders each having an exhaust port, a compression chamber opening into each cylinder and having a valved intake, opposed reciprocating main pistons in the main cylinders each having a tubular extension providing a breather cylinder having intake ports positioned for intermittent communication with one of the chambers, each main piston constituting a closure for the exhaust port in its main cylinder and being proportioned to successively open the exhaust port and momentarily establish communication between said main cylinder and its compression chamber while said main piston approaches the end of its power stroke, a breather piston mounted for reciprocation in each breather cylinder, a shaft between the cylinders, driving connections between the shaft and the main and breather pistons respectively, said connections being timed to move the breather pistons in unison oppositely to the main pistons, a fan housing, casing housing the main cylinders having air inlets at the firing ends of said cylinders and outlets adjacent to the other ends of the cylinders and into the fan housing, an annular series of spaced longitudinal ribs on each cylinder providing air passages therebetween leading from the inlets and toward the outlets, and a suction fan on the shaft in the fan housing.

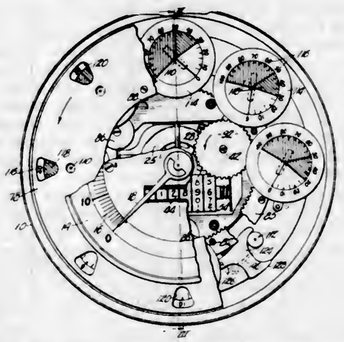
2,270,598
SEAT COVER
Missouri Bessie Morgan, Maud, Tex.
Application March 4, 1940, Serial No. 322,213
1 Claim. (Cl. 155—182)

A seat cover comprising seat and back members having a common side and adapted to be folded one upon the other, a pad secured in superimposed relation to the inner surface of the seat member, a pad positioned in superimposed relation to the inner surface of the back member and having the greater portion of its margin secured thereto but leaving a comparatively smaller portion unattached to the said back member to define a pocket therebetween,



a stiffening frame circumventing the back member pad to hold the same erect when the cover is in the open position, a flap comprising an extension of the seat member adapted to extend over the forward edge of the seat, and a flap comprising an extension of the back member adapted to be folded inwardly against the back pad and to close the said pocket.

2,270,599
SPEED INDICATOR FOR MOTOR VEHICLES
Herbert F. Morley and Roy E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Morley
Application May 6, 1939, Serial No. 272,252
7 Claims. (Cl. 264—1)



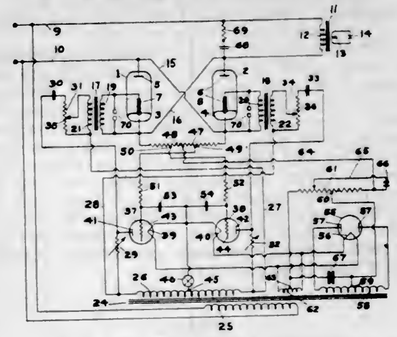
1. In a speed indicating device for motor vehicles, the combination with a magnetic drag unit responsive to the speed of the vehicle; a rotatably mounted series of speed indicating elements driven by means driven in direct proportion to the ground speed of the vehicle; and magnetic means controlled by said speed responsive means to successively set said indicating elements as they are rotated to indicate the then current speed of the vehicle, whereby an indication of the speed at the beginning of the last unit distance traveled is made.

2,270,600
ADJUSTING DEVICE, PARTICULARLY FOR BRAKES OF MOTOR VEHICLES
Georg Engelbrekt Ohlson, Stenberga, Klinten, Sweden
Application December 20, 1939, Serial No. 310,244
In Sweden January 2, 1939
4 Claims. (Cl. 188—196)



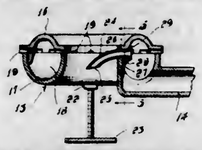
1. A device for adjusting the clearance of brakes, comprising a ratchet bar, a continuous thread formed in the periphery thereof to constitute ratchet teeth, a carrier guided for displacement in the longitudinal direction of said ratchet bar, a pawl carried by said carrier, a guide provided on the carrier at an angle with the longitudinal axis of the ratchet bar, said guide being adapted to guide the pawl at an angle to the bar to cause self-locking between the pawl and the bar on displacement of the carrier in one direction relatively to the bar, and means permitting rotation of the ratchet bar and the carrier in relation to each other.

2,270,601
ARC TUBE SYSTEM
Wilcox P. Overbeck, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 4, 1939, Serial No. 271,679
19 Claims. (Cl. 250—27)



1. An electric control system comprising a load circuit, circuit means for connecting said load circuit to a source of alternating current, a pair of inversely-connected arc discharge devices interposed in said circuit means for controlling the flow of current to said load circuit, each of said arc discharge devices comprising an anode, a pool type arc cathode, and an igniting electrode separated from said cathode by an insulating wall in contact with said cathode pool for initiating an arc on said cathode pool, and means responsive to the voltage of said source appearing across said arc discharge devices whenever the current through said discharge devices drops to zero for supplying an igniting impulse to one of said igniting electrodes whenever the current through the arc discharge device associated with the other of said igniting electrodes drops to zero.

2,270,602
BURNER
John Polney, Elizabeth, N. J.
Application September 27, 1939, Serial No. 296,854
1 Claim. (Cl. 158—116)



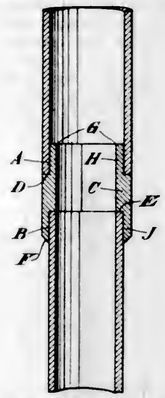
In a gas burner of the character described, an annular burner head comprising top and bottom channel members inclosing a central open space and having concentric rings of burner openings at the meeting edges of the channel members, means for securing the channel members in assembled relation and an auxiliary gas burner pipe clampingly supported between said channel members with its open burner end disposed centrally of the burner head directed downwardly and terminating within said central space for heating the bottom channel member to increase combustion in the burner head, the clamping engagement of the burner head sections with said auxiliary burner pipe including the provision of mating grooves in opposed edges of said channel sections in which the auxiliary burner pipe is seated and an outwardly directed flange on the inner end of the auxiliary burner pipe engaged with adjacent portions of the inner faces of the top and bottom channel sections.

2,270,603
HUMIDIFICATION OF GOODS AND AIR CONDITIONING OF CONTAINERS
Bernard H. Ridder, New York, N. Y., assignor to the firm Reddir Inc., Wilmington, Del.
Application January 8, 1938, Serial No. 184,108
1 Claim. (Cl. 252—194)

A composition for use in humidifying the air in a closed container comprising substantially completely hydrated Glauber's salt, which has water of crystallization and a relatively low liquefaction point, intimately mixed with partially hydrated sodium tetra borate having less than ten molecules of water affixed thereto and which has a relatively high liquefaction point, said salt and borate being proportioned in such quantities that the total amount of water that may be liberated from the Glauber's salt is less than the total amount of water necessary to raise said borate to a ten water molecule salt.

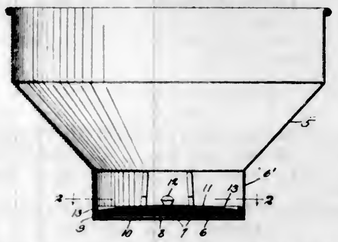
2,270,604
DRIVING COUPLING FOR PIPES
Edmund O. Roemhild, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application June 23, 1939, Serial No. 280,883
1 Claim. (Cl. 285—161)

A driving coupling for hollow piling sections of different diameters but substantially the same wall-thickness, comprising a cylindrical ring-like member having an inside diameter which is substantially the same as the inside diameter of the smaller section, the outside diameter of said ring-like member being substantially the same as the outside diameter of the larger section, axially extending flanges on said ring-like member adapted to engage inside the larger diameter section and outside the smaller diameter section respectively, said ring-like member providing substantially flat circular abutments at the bases of the inner and outer flanges to provide seats for the adjacent ends of the hollow piling sections to



be driven, the outer flange being beveled to facilitate passage into earth.

2,270,605
STRAINER
Harold G. Rorabaugh, Otis, Colo.
Application June 16, 1939, Serial No. 279,540
1 Claim. (Cl. 210—159)

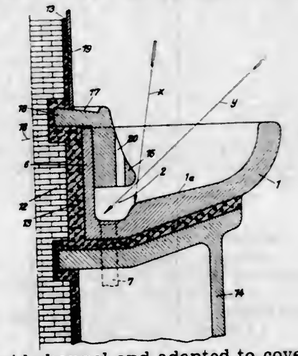


A strainer comprising a funnel-shaped body portion having a neck, a perforated disk closing the lower end of the neck, a circular screening member positioned within the neck, the circular screening member being bulged upwardly, the outer edge of the screening member resting on the perforated disk at the periphery thereof, a disk-like felt pad resting on the screening member and conforming to the shape of the screening member, an upwardly bulged perforated holding disk of a diameter to engage the neck of the body portion, positioned on the felt pad and adapted to press the felt pad into engagement with the screening member throughout the entire surface thereof, and a split yieldable retaining ring positioned on the perforated holding disk and adapted to expand into frictional engagement with the neck of the body portion, securing the screening member, pad and retaining ring in position.

2,270,606
WASH ARRANGEMENT
Walter Rotter, Berlin-Friedenau, Germany
Application April 17, 1940, Serial No. 330,199
In Germany December 8, 1938
4 Claims. (Cl. 4—166)

1. A wash arrangement comprising at least one trough, a channel at the lowermost part of said trough with an entrance opening throughout its

full length and arranged wholly above the bottom of the trough, and a projection arranged

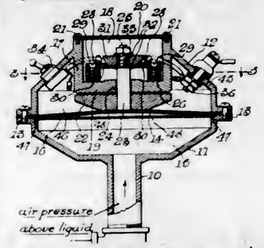


above said channel and adapted to cover the interior of the channel against sight of the user.

2,270,607
CERAMIC CUTTING TOOL
Eugen Ryschkewitsch, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application March 22, 1939, Serial No. 263,576. In Germany March 30, 1938
1 Claim. (Cl. 51—309)

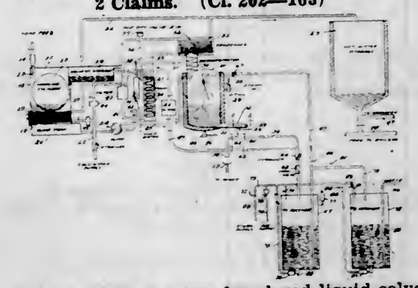
A cutting tool consisting of a molded self-bonded sintered highly refractory aluminum oxide of high purity and a chromium oxide, the body of said cutting tool having a fine crystalline structure throughout.

2,270,608
CIRCUIT CONTROLLER
Arthur F. Sandberg, Jamaica, N. Y.
Application May 22, 1941, Serial No. 394,729
6 Claims. (Cl. 200—83)



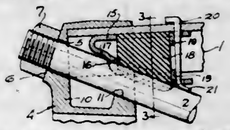
1. A pressure operated circuit controller comprising a casing composed of upper and lower sections, a diaphragm secured between the sections and dividing the casing into an upper chamber and a lower pressure chamber the pressure wherein normally tends to lift the diaphragm, a casing well formed in the upper section and depending into the upper chamber and defined at its bottom by a bottom wall wholly within the chamber and spaced above the diaphragm and at its top by a removable cover plate, fixed contact members mounted in spaced relation in said well and on said bottom wall and adapted to be connected in an electrical circuit, said well bottom wall having a bore therethrough, a stem slidable in said bore and engaging the diaphragm at its lower end and having its upper end extended into the well, and a contact making and breaking head movable with the stem in the well for closing the circuit across the fixed contacts or breaking the same accordingly as the diaphragm is lowered by failure of normal pressure in the pressure chamber or raised by presence of said normal pressure.

2,270,609
LIQUID SOLVENT CLEANING SYSTEM
Stuart A. Smith, Warrenton, Va.
Application March 27, 1939, Serial No. 264,426
2 Claims. (Cl. 202—163)



1. A clarifying means for closed liquid solvent cleaning systems, said means including a still having a bottom outlet, a closed receptacle for holding used solvent into which said outlet discharges, a trap in said outlet, and an air vent in communication with said receptacle, said air vent controlling the rate of flow into said receptacle to prevent solid material from being carried through said trap.

2,270,610
RAILWAY BRAKE BEAM
Irvin J. Spaeth and Edwin G. Busse, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1940, Serial No. 341,414
18 Claims. (Cl. 188—226)

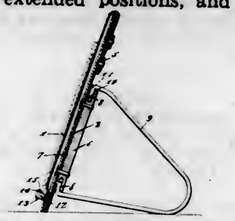


1. In a railway truss type brake beam having a compression member, a tension member and a tensioning device securing the adjacent ends of said members to each other, yielding means exerting thrusts against said members transversely of their length to resist play between said members due to application and release of the brakes.

2,270,611
COMBINED CARRYING CASE AND SUPPORTING STAND
Charles R. Spaulding, Newtonville, Mass.
Application November 25, 1940, Serial No. 367,114
2 Claims. (Cl. 45—57)

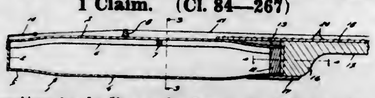
1. A combined carrying case and supporting stand for sheet music and like material, comprising an envelope for housing the sheet material and including front and rear walls, a cleat like member secured to the rear wall, a bail member bent to provide trunnions on the ends thereof and mounted in the ends of the cleat like member for swinging movement of the bail member to folded position against the rear wall when not in use or to an extended position at right angles to the rear wall for supporting the

envelope in a set up position at a rearward inclination, means for holding the bail member in folded and extended positions, and means for



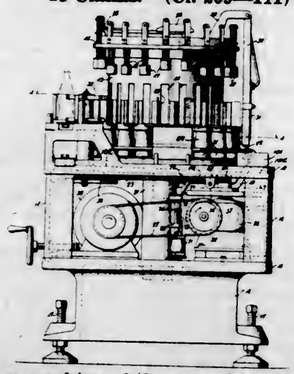
supporting the sheet material against the front face of the front wall when the envelope is in set up position.

2,270,612
GUITAR
Thornton Holman Williams, Chicago, Ill.
Application February 20, 1941, Serial No. 379,888
1 Claim. (Cl. 84—267)



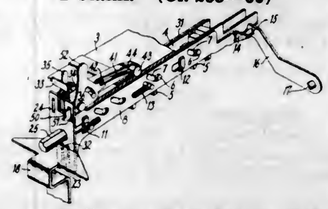
A guitar including a body comprising a rim and upper and lower heads mounted on said rim, the forward end of the body having a vertical slot in the rim continuing through the heads, a block in the forward end portion of the body bridging the slot, a neck including a square cut heel on one end set into the slot and secured to the block, said heel fitting between the side edges of the slot and against the front edges of said heads, a strap securing the heel to the lower head, said slot extending along the lower head and under the bottom of the heel, a finger board on the neck extending therefrom over a portion of the body, and a filler element secured between the projecting portion of the finger board and the adjacent portion of the body.

2,270,613
BEVERAGE INSPECTION DEVICE
Charles M. Young, Jr., Philadelphia, Pa., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application October 21, 1938, Serial No. 236,370
13 Claims. (Cl. 209—111)



1. In a machine of the class described, in combination: a support; a turret revolubly mounted on said support; a ring gear carried by said turret; a drive shaft mounted on the support having fixed thereon a pinion in mesh with said ring gear to cause revolution of said turret; a plurality of bottle cups carried by said turret; testing means mounted on the support for oscillation; cam means mounted on said drive shaft to cause said oscillation in synchronism with passage of each bottle in said cups past the testing station with quick return; and reject means actuated responsive to presence of a foreign body in the contents of a bottle as determined by said test means, acting to remove said bottle from the course of movement of bottles whose contents are satisfactory.

2,270,614
ACCOUNTING MACHINE
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 29, 1939, Serial No. 311,576
1 Claim. (Cl. 235—60)



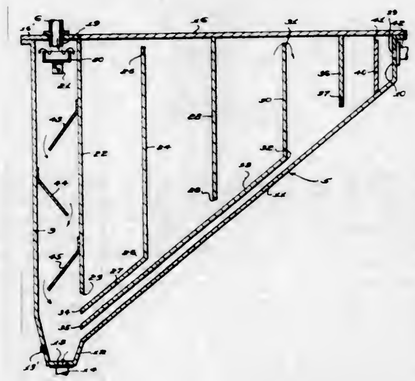
In an accounting machine having a traveling carriage, a magazine thereon having elements to control various machine functions, a slide on the magazine connected with the control elements and having a normal and an operated position, the combination of a spring to tension the slide toward its normal position, a latch pivoted on the slide and having an arm cooperating with a member stationary with respect to the magazine, and a finger piece, the finger piece being so located that pressure thereagainst by the operator in a direction opposite to the direction of tension of the spring to move the slide to its operated position, rotates the latch when the slide reaches its operated position, and thereby moves the arm into engagement with the stationary member, the finger piece being so formed that pressure may also be exerted on the opposite side thereof by the operator to remove the said arm from cooperation with the stationary member to enable the spring to move the slide to normal position, and a spring connected to the latch to retain it in either position to which it is moved by the operator.

2,270,615
PROPELLER
Edward E. Baldwin, New York, N. Y.
Application October 11, 1940, Serial No. 360,823
3 Claims. (Cl. 170—168)



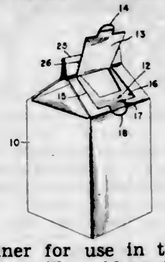
1. A propeller having a hub with blades extending therefrom, and a relatively narrow ring concentric with the hub and attached to the outer ends of the blades with the rear edge of the ring flush with the trailing edges of the blades, and with the width of the ring extended to the leading edges of the blades on the pressure sides of the blades forming pockets on the said pressure sides for holding fluids preventing the free escape of fluids from the ends of the blades on the pressure surfaces thereof, and characterized in that the width of the ring is materially reduced behind and between the blades providing free and unobstructed escape of fluids from the suction surfaces of the blades.

2,270,616
RECLAIMING TANK
George Bell, Pottsville, Pa.
Application December 26, 1939, Serial No. 311,028
2 Claims. (Cl. 210—60)



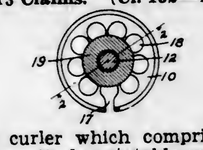
1. Apparatus for separating the solids from liquids in which said solids are entrained comprising a tank having end and side walls, respectively, a top, and an inclined bottom forming relatively deep and shallow ends in said tank, gravity feed means to introduce the liquid through the top of the tank directly above the deep end thereof to rise to different levels along said bottom and flow toward said shallow end whereby the solids are deposited on said bottom for gravitation to said lower end to thereby clarify said liquid, a clarified liquid discharge at the shallow end of said tank for the escape of such liquid rising in the tank to substantially an overflow level, a solids collecting means in said bottom at the deep end of the tank, and means to obstruct the flow of liquid toward said shallow end as it rises to higher levels to thereby effect further separation of the solids from the liquids comprising a battery of upright baffles spaced apart lengthwise of the tank for collecting solids thereon, said baffles being spaced above the bottom of the tank to permit the rise and flow of liquid therebetween, some of said baffles having extensions at their lower ends inclining to the solids collecting means whereby solids collected on said baffles and gravitating down the same are directed downwardly toward said collecting means, said extensions functioning also to collect solids thereon to gravitate down the same, and means to remove the solids from the solids collecting means.

2,270,617
CONTAINER
Racy D. Bennett, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Original application March 15, 1938, Serial No. 196,068. Divided and this application March 21, 1939, Serial No. 263,252
3 Claims. (Cl. 229—7)



1. A container for use in the dispensing of liquids such as milk, said container being fabricated of paper and comprising a plurality of flat angularly disposed panels and being stiff and self-supporting, the wall thereof being cut or scored to provide a displaceable tab connected to the wall by an uncut portion which constitutes a hinge about which the tab may be swung to uncover a pouring opening, a paper sheet attached to the inner surface of the container wall along the margins of said pouring opening, said sheet partially closing the pouring opening and having an aperture formed therein which is of less area than the pouring opening, said aperture comprising a pouring notch which is uncovered when said tab is lifted.

2,270,618
HAIR CURLER
Abbie G. Bowyer, Los Angeles, Calif., assignor of one-fourth to Samuel E. Fouts, Los Angeles, Calif.
Application April 8, 1940, Serial No. 328,497
13 Claims. (Cl. 132—40)

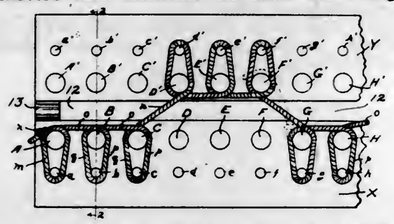


1. A hair curler which comprises a pair of coaxial and relatively rotatable members, a post attached to one of said members and forming an axis upon which the other member may be rotated, said members being so shaped on their adjacent sides as to provide a space between them and about said post, and a cylindrical element surrounding the post within said space upon which a moistened tress may be wound under tension and dried to form a ringlet.

2,270,619
KNITTING DEVICE
Abbie G. Bowyer, Los Angeles, Calif., assignor of one-fourth to Samuel E. Fouts, Los Angeles, Calif.
Application May 31, 1940, Serial No. 338,165
10 Claims. (Cl. 66—4)

1. A knitting device which comprises a pair of elongated and parallel bars, means for rigidly holding said bars together with a gap between them, a row of uniformly spaced yarn-engaging members on each of said bars, said rows being on

the opposite sides of the said gap and parallel therewith, a row of uniformly spaced yarn-engaging elements on each of said bars, the said members and elements on each bar being in

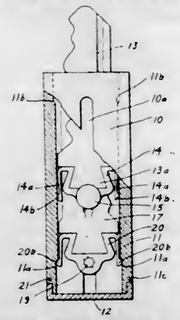


pairs and the number of pairs on one bar being equal to the number of pairs on the other bar and the pairs on one bar being opposed to and in substantially transverse alinement with the corresponding pairs on the other bar.

2,270,620
MANUFACTURE OF LUBRICANTS
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 2, 1937, Serial No. 156,960
18 Claims. (Cl. 252—39)

1. A method for producing lubricants comprising oxidizing a highly refined paraffinic type lubricating oil to produce in the oil reaction products including petroleum acids, adding a calcium compound to the resultant mixture to react with the saponifiable materials, filtering, and adding the resultant soap-oil solution to a naphthenic type lubricating oil to yield between about 0.8% and 3% of total soap in the resultant lubricating oil composition.

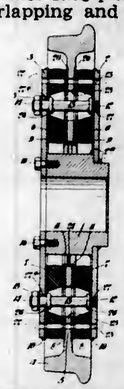
2,270,621
SPRING KEY HOLDER
Rene C. Brugnoni, Woodside, Long Island, N. Y.
Application January 11, 1939, Serial No. 250,319
6 Claims. (Cl. 70—456)



1. A key container having a plurality of adjacent key cells rigidly securing together, and another key cell having means removably securing it across the ends of the said adjacent cells.

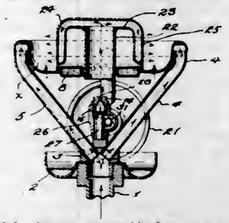
2,270,622
RESILIENT WHEEL
Carroll Burton and Douglas P. Steward, Johnstown, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Original application July 20, 1939, Serial No. 285,629. Divided and this application August 1, 1940, Serial No. 349,178
2 Claims. (Cl. 295—11)

2. A wheel comprising an outer rim with an inwardly extending web having an axial opening therein, a hub extending freely through said opening and carrying spaced risks positioned on opposite sides of said web, respective annular resilient units disposed between each of said disks and said web, each of said units comprising inner and outer face plates between which are disposed non-metallic cushions of resilient material, each outer face plate having an outturned flange overlapping the outer periphery of the disk adjacent thereto and each inner face plate having an inturned flange overlapping and snugly engaging



the wall of the central opening of the web, the web and the inner face plates being provided with a series of enlarged holes, bolts extending freely therethrough, the outer portions of said bolts making a snug fit with the openings formed in said outer plates and disks, each of said bolts having respective shoulders engaging the respective outer face plates, means carried by said bolts securing the resilient units in compressive relation with the outer disks and the central web, and a respective layer of friction material interposed between each inner face plate and the adjacent face of said web.

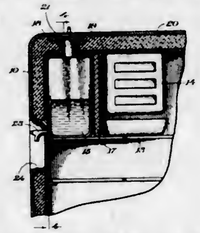
2,270,623
OIL BURNER
Alexander Cesar Camertoni, Sao Paulo, Brazil, assignor to Washington de Noronha Figueiredo, São João, Brazil
Application September 11, 1939, Serial No. 294,371
In Brazil May 27, 1939
1 Claim. (Cl. 158—63)



A detachable burner unit for association with a fuel supply pipe including a double walled dome-shaped member having openings on the outer vertical wall for the passage of vaporized fuel undergoing combustion, an annular vaporizing member arranged externally of the first mentioned member and adjacent the openings therein and connected thereto to support the dome-shaped member, an apertured fitting arranged beneath the vaporizing chamber and detachably connected to the supply pipe, upwardly divergent

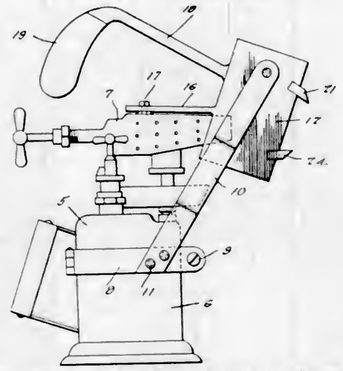
pipes extending from said fitting and having their outer ends connected to and communicating with the vaporizing chamber and acting to support the same, a second annular vaporizing chamber coaxial with, and having a smaller over all diameter than, said first mentioned vaporizing chamber, means establishing communication between said vaporizing chambers, the inner wall of the dome-shaped member having a central opening therein at the top thereof, a mixing tube having one end secured within said opening and the other end connected to the inner periphery of the second mentioned vaporizing chamber, a nozzle detachably arranged adjacent said mixing tube to discharge therein and means for conducting the vaporized fuel from said second mentioned vaporizing chamber to said nozzle for introduction into said mixing tube.

2,270,624
WATER COOLER FOR ELECTRIC REFRIGERATORS
Harry J. Clark, Philadelphia, Pa.
Application March 14, 1941, Serial No. 383,400
3 Claims. (Cl. 62—89)



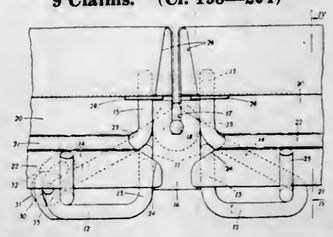
1. The combination with an electric refrigerator having a cooling unit, of a liquid container within the refrigerator insulated from the cooling unit, a filling tube extending from the container through the top of the refrigerator, a cap closing the filling tube, and an outlet projecting from the container through the wall of the refrigerator.

2,270,625
SCRAPER ATTACHMENT FOR BLOW-TORCHES
Joseph B. Dilts, Sergeantsville, N. J.
Application February 19, 1940, Serial No. 319,812
3 Claims. (Cl. 158—13.6)



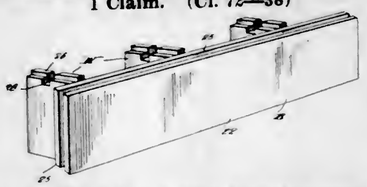
1. A scraper attachment for a blow-torch comprising a box-like shield open at its front, bottom and lower portion of its back, a clamp extending upwardly from the clamp for supporting the shield on the nozzle of the blow torch, a brace projecting rearwardly from the attached to the tank of the blow-torch, an arm shield and attached to the nozzle of the blow-torch, a handle projecting rearwardly from the shield adjacent its upper portion and scraper blades mounted at the open front of the shield respectively above and below the nozzle.

2,270,626
CONVEYER
Angus Wellesley Duncan, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application January 29, 1940, Serial No. 316,230
In Great Britain February 1, 1939
9 Claims. (Cl. 198—204)



1. A roller frame for a belt conveyer comprising a pair of plates for carrying a roller for supporting the upper run of the belt, supporting members of round bar stock material attached to the plates, said supporting members comprising substantially horizontal and longitudinal portions which rest on the ground transverse portions extending across the conveyer and inclined portions and members cooperating with the inclined portions to provide bearing for a roller or rollers to carry the lower run of the belt.

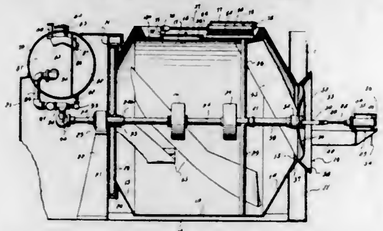
2,270,627
INTERLOCKING BUILDING SLAB
James C. Earl, San Diego, Calif.
Application April 2, 1940, Serial No. 327,528
1 Claim. (Cl. 72—38)



A slab for use in a wall structure comprising a body of rectangular shape, said body having a longitudinally extending groove in its lower side edge and a vertically extending groove in one end edge, a rib extending longitudinally on the upper side edge of the slab and a vertically arranged rib on the other end edge, the ribs of said slab being adapted to fit in grooves of adjacent slabs in a wall structure, vertically arranged wings formed on one face of the body and spaced apart and also spaced from the ends of the slab and each wing extending at an obtuse angle from the slab, each wing having a rib on its upper side edge and a groove in its lower side edge, said rib being adapted to fit in the groove of a wing of another slab, said rib and groove extending parallel to the side faces of said wing, and transversely extending notches in the upper and lower

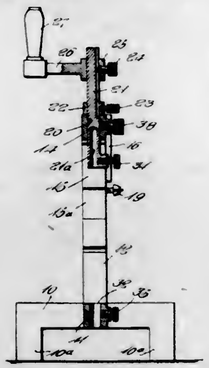
side edges of each wing and substantially in the vertical center thereof, said notches paralleling the body of the slab, the free end edges of the wings being beveled to arrange said free end edges parallel with the body, the notches in each wing extending through and beyond the rib and groove of the wing whereby said notches will form openings when a number of the slabs are arranged in a wall structure.

2,270,628
CONCRETE MIXER
James H. Fitzgerald, Westfield, N. J.
Application April 2, 1941, Serial No. 386,543
9 Claims. (Cl. 259—161)



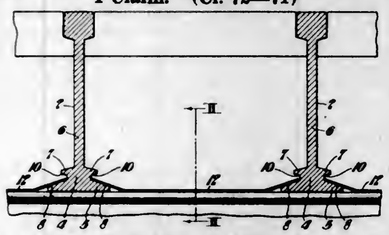
1. In a truck mixer for concrete and the like, a rotatable mixer drum, said drum having filling and discharging openings therein, a slidably mounted closure door for each opening, a ram for operating each door and a plate mounted in spaced relation to the wall of the drum for the support of the ram for operating the filling opening closure door and laterally of said filling opening, said ram having a piston rod attached at its forward end to the forward end of the filling opening closure door with the latter when in open position slidable into the space between the wall of the drum and the plate supporting the ram.

2,270,629
METHOD AND APPARATUS FOR MAKING DENTAL RESTORATIONS
Sidney C. Fournet, New Orleans, La.
Application June 11, 1940, Serial No. 339,983
4 Claims. (Cl. 32—32)



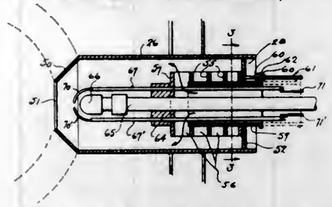
2. The method of grinding the occlusal surfaces of a dental restoration which comprises bringing the teeth of the restoration into engagement with a spherical grinding surface whereof the radii converge at a point intercepted by the longitudinal axes of the teeth, and setting up relative rotation between the restoration and grinding surface on a fixed axis centrally disposed with respect to the restoration.

2,270,630
GRATING STRUCTURE
Gerald G. Greulich, Mount Lebanon, Pa.
Application January 30, 1940, Serial No. 316,425
1 Claim. (Cl. 72—71)



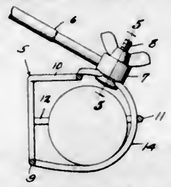
A grating structure for flooring and the like comprising, in combination, at least two I-beam members disposed with their web portions in substantial parallelism, the foot portion of each of said members being of material width and having on each of the inner sides thereof an outwardly tapering surface, a continuous, relatively thin rib disposed in closely spaced parallel relationship with respect to the inner extremity of the inner sides of the foot portion of each of said members, said continuous ribs being of lesser width than the adjacent sides of the foot portions of said members, and a plate disposed between said members with its edge portions in contact with the outwardly tapering surfaces of the adjacent inner sides of the foot portions thereof, whereby said plate will retain filling material disposed between said members, said plate being of sufficient width to permit the edges thereof to underlie the adjacent continuous ribs of said members, said continuous ribs being susceptible to ready deformation into rigid gripping relationship with the edges of said plate to thereby prevent the displacement thereof.

2,270,631
OIL BURNER
William W. Hallinan, Dowagiac, Mich.
Application May 1, 1939, Serial No. 270,967
7 Claims. (Cl. 158—1.5)



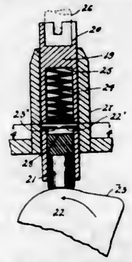
1. A burner of the character described, comprising an air blast tube, fuel delivery means located in the tube, a closure in the outer end of the tube having an opening, and an air turbulator means in the tube comprising a cylindrical hollow body of lesser diameter than the air blast tube and disposed coaxially therein and extending from the closure toward the discharge end of the tube; said cylindrical body being closed at one end and having a plurality of lateral outlets spaced longitudinally thereof, and an open-ended sleeve communicating with a source of air under pressure extended through the opening of the closure and telescopically fitted within the turbulator body, and adjustable longitudinally thereof to uncover or cover the lateral outlets for determining the extent of air delivery from said sleeve.

2,270,632
GOLF BALL RETRIEVER
Robert R. Hasty, Wichita, Kans.
Application February 28, 1941, Serial No. 381,186
6 Claims. (Cl. 294—19)



1. A golf ball retrieving device, comprising an elongated head embodying spaced rods, the distance between said rods being greater than the diameter of a golf ball, a central offset section into which a golf ball rolls when retrieved, said rods being adapted to guide a golf ball to the central section when the head is moved into engagement with a golf ball, and a handle to which the head is connected.

2,270,633
TAPPET SILENCER
William Hokstad, Souris, Manitoba, Canada, assignor of fifty per cent to Ben Dellar, Winnipeg, Manitoba, Canada
Application May 28, 1940, Serial No. 337,705
1 Claim. (Cl. 123—90)



A two-part tappet for internal combustion engines, one part comprising a sleeve and the other an endwise movable, transversely slotted cam follower positioned within the sleeve but normally projecting therefrom, a spring within said sleeve behind said follower and a stationary pin extending through said slot and into said sleeve permitting limited endwise movement of said follower against said spring under an associated cam action.

2,270,634
MANUFACTURE OF CONDENSATION PRODUCTS FROM TRIMETHYL-HYDROQUINONE
Otto Isler, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 10, 1939, Serial No. 261,158. In Switzerland March 18, 1938
1 Claim. (Cl. 260—333)

A process for the preparation of dl-α-tocopherol which comprises heating trimethyl-hydroquinone-monophytyl ether to effect rearrangement, and treating the transformation product with an acid condensing agent.

2,270,635
AIRPLANE
Chessborough J. H. Mackenzie-Kennedy, New York, N. Y.; Betty Mackenzie-Kennedy, New York, N. Y., administratrix of said Chessborough J. H. Mackenzie-Kennedy, deceased
Application February 25, 1937, Serial No. 127,726
15 Claims. (Cl. 244—13)

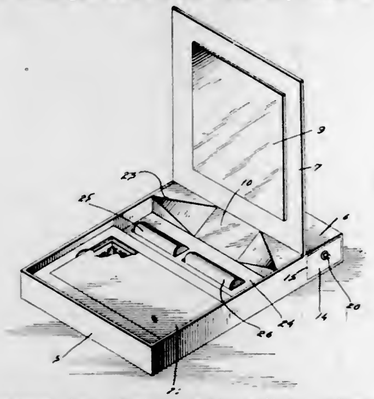


1. An airplane comprising a hollow body providing a longitudinal passageway, a main plane associated with the forward portion of said body, a tail plane associated with the rear portion of said body, an elevator hinged to said tail plane, said body being extended forwardly beyond the main plane, the rear extremity of said body being of substantial depth and accommodating a cockpit or chamber with which said passageway communicates, there being a forward cockpit or chamber at or about the center of gravity of the airplane with which said passageway communicates, a power plant occupying an advanced position in order to give balance to the airplane with respect to the increased tail weight without substantial increase in the usual ratio of tail plane surface to main plane surface and the forward extension of the body providing added lateral fin area in compensation of the substantial depth of the rear end of the body, the distance between the center of gravity of the airplane and the hinging axis of the elevator being confined to a distance less than fifty per cent of the overall length of the body, such confining of said distance enabling the advanced positioning of the power plant to be kept at a minimum, the proportioning and balancing of the whole being such as to enable free movement within said body between the center of gravity of the airplane and rear cockpit or chamber of a weight equal to at least one-sixteenth that of the airplane when fully loaded, the stability of the airplane being neutral when the said weight is in the tail end of the body and increasing when the said weight or any part thereof moves toward the center of gravity.

2,270,636
ILLUMINATED COMPACT
Richard Klarfeld, New York, N. Y.
Application December 17, 1940, Serial No. 370,532
1 Claim. (Cl. 240—6.45)

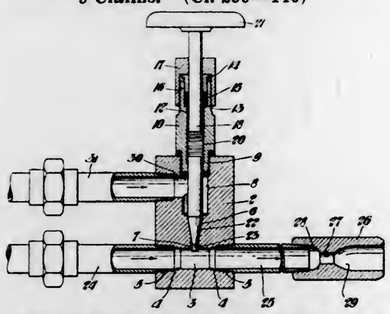
A compact comprising a tray having a compartment adjacent one end thereof, a lid for the tray having a mirror on the underside thereof and being hinged to the top of said compartment for opening in an upright position to expose said mirror, a window in the compartment inclining downwardly and forwardly of said mirror when the lid is swung into upright position, an illuminating device removably positioned in said compartment, said illuminating device comprising a substantially rectangular drawer having side panels, end panels and a bottom panel, a lamp socket in one of said side panels, an electric bulb mounted in said socket, spring clips mounted on said bottom panel, a battery mounted in said clips, a push button

switch mounted on said bottom panel adjacent one of said end panels with the button thereof extending through said end panel, and means for electrically connecting said battery to said bulb through said switch whereby said hub is



energized by closing said switch, when the drawer is positioned in said compartment and when the drawer is out of said compartment, said mirror and said tray being adapted to reflect light from said bulb to the face of the user.

2,270,637
LIQUID FUEL BURNER
Joseph F. Komar, Youngstown, Ohio
Application October 18, 1940, Serial No. 361,797
9 Claims. (Cl. 299—140)



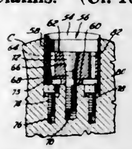
1. Apparatus for vaporizing liquid fuels including, in combination, a longitudinally extending cylindrical-shaped mixing chamber having a central portion of a constant diameter throughout its length and being outwardly relieved at each end thereof, an inwardly tapered liquid fuel passageway communicating with the central portion of said mixing chamber substantially perpendicular thereto for introducing a relatively thin body flow of liquid fuel thereinto, a valve stem having a similarly shaped tapered end portion for controlling the flow of the liquid fuel through said passageway into said mixing chamber, means arranged at one end of said mixing chamber for introducing a fluid under pressure thereinto and therethrough axially thereof, whereby the relatively thin body of liquid fuel is effectively broken up and atomized by the impact thereof with the fluid due to the relatively high velocity thereof as the same is delivered continuously into said mixing chamber, means arranged at the opposite end of said mixing chamber concentric therewith providing a relatively long chamber having a constant inner diameter slightly larger than the inner diameter of the central portion of the mixing chamber for delivering the atomized fuel therefrom, whereby the same expands and is vaporized at a reduced velocity, means arranged beyond said last mentioned means concentric therewith and having a throat diameter less than the inner diameter of the central portion of said mixing chamber whereby said vaporized fuel is confined as it is delivered thereto so as to increase the velocity thereof, said last mentioned means having means associated therewith beyond the throat portion thereof whereby the vaporized fuel is delivered from the throat and expands so as to be delivered therefrom thoroughly and completely vaporized.

2,270,638
DIODE OSCILLATOR
Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 31, 1937, Serial No. 156,647. Divided and this application February 17, 1940, Serial No. 319,416
5 Claims. (Cl. 178—44)



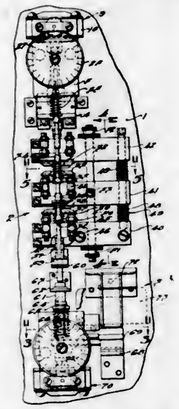
1. In combination, an output circuit for an antecedent wave source, said circuit being closely adjacent to said source and coupled to it under conditions of approximate impedance matching, said wave source comprising a diode oscillator of the type characterized by comprising two uniformly spaced electrodes in an evacuated space with means for causing a flow of electrons therebetween in substantially straight lines and an associated resonating system, said resonating system being so electrically designed relatively to the spacing of said electrodes and the transit time of electron flow therebetween that the organization as a whole is adapted to generate stable frequency waves.

2,270,639
CUTTING APPARATUS
Joseph A. Parks, Jr., Radburn, N. J., assignor to Champlain Corporation, Garfield, N. J., a corporation of New York
Application January 2, 1941, Serial No. 372,777
6 Claims. (Cl. 164—28)



6. Rotary cutting apparatus comprising a cylindrical member having a recess in the surface thereof with a radially disposed wall against which a cutting blade is adapted to be positioned; an adjusting screw operatively disposed in said recess; a blade arranged in said recess with one side thereof in operative contact with said radially disposed wall, and having its lower edge in contact with said adjusting screw and its upper edge projecting beyond the surface of said cylindrical member, the center line of said adjusting screw being positioned to the side of said blade; and wedge means for holding said blade in operative position in said recess, said wedge means having an opening therein disposed above the center of said adjusting screw and through which a tool may be inserted for actuating said adjusting screw.

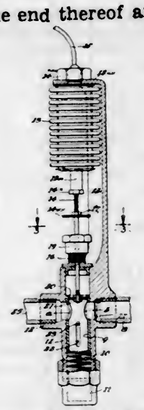
2,270,640
ELECTBIC SWITCH
Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 4, 1939, Serial No. 259,763
6 Claims. (Cl. 200—97)



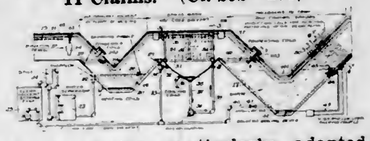
1. An electric switch comprising a movable member, a plurality of contacts movable in response to movement of said member, a plurality of stationary contacts adapted to be engaged and disengaged by their reciprocable movable contacts in response to movement of said member, means for relatively stationarily mounting one of said stationary contacts, means for adjusting the position of others of said stationary contacts with respect to said first stationary contact but without disturbing the relation between said others of said stationary contacts, and means for adjusing at least one of said other sets of contacts without disturbing the remainder of them.

2,270,641
COLD WATER INJECTOR FOR HOT WATER SUPPLY PIPES
Edward H. Ruppert, Brooklyn, and George H. Lippincott, New York, N. Y.
Application July 8, 1938, Serial No. 218,116
1 Claim. (Cl. 236—99)

In cold water injectors and in combination with a sleeve valve, a thermal expansible device, and an adjustable connection between said device and the sleeve valve, of a valve casing comprising a unitary metallic member having at one end a head formed with two cylindrical bores extending through the head, the first bore having its direction substantially at right angles to the second bore, and a sleeve valve disposed in the second bore, the ends of the first bore being adapted for receiving and holding an inlet and an outlet pipe, a closure cap for one end of the second bore and a packing closure cap in the opposite end of the second bore, a rigid arm integrally extending outwardly from the head and substantially parallel with the second bore, the thermal expansible device being of the bellows-type and having one end held fixedly to said rigid arm at one end thereof and having its opposite end connected to the sleeve valve by means of a threaded and adjustable connection.



2,270,642
CLEANING AND DEGREASING SYSTEM
Howard E. Somes, Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Original application February 8, 1935, Serial No. 5,663, now Patent No. 2,180,126, dated November 12, 1939. Divided and this application February 23, 1939, Serial No. 257,847
11 Claims. (Cl. 202—170)



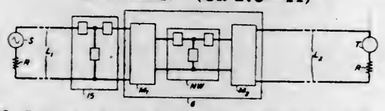
1. An apparatus particularly adapted for cleaning and degreasing the surfaces of metallic articles and comprising a conveyor, a tunnel-like enclosure surrounding said conveyor, the bottom of said enclosure being formed to provide vats or tanks at spaced intervals in the length thereof, said vats or tanks being adapted to contain fluid materials capable of effecting a cleaning or degreasing of the surface of the metallic article to be cleaned or degreased, means to prevent substantial circulation of air currents in the direction of the length of the enclosure and comprising a series of enclosed risers communicating with said vats or tanks, a cold solvent spray in each of the risers located between two adjacent tanks above the upper level of said tanks, electrically actuated and controlled heating elements in said vats or tanks adapted to maintain the fluid materials therein at predetermined temperatures higher than atmospheric temperatures, and high and low level thermocouples electrically connected with said heating means and adapted to control the vapor level within said vats or tanks by controlling the heating thereof.

2,270,643
PROCESS FOR THE PRODUCTION OF NICKEL AND COBALT ALLOYS BY ALUMINOTHERMIC REDUCTION
Max Stern, Kew Gardens, N. Y.
No Drawing. Application March 20, 1941, Serial No. 384,360
3 Claims. (Cl. 75—27)

1. A process for the production of nickel and

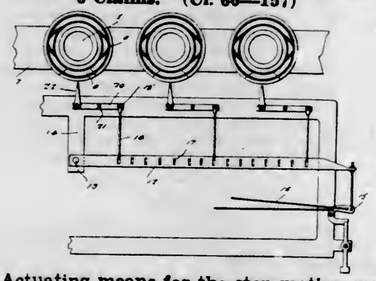
cobalt alloys by aluminothermic reduction comprising adding to a molten cobalt, nickel, aluminum and iron alloy of the Alnico type at least one substance selected from the group consisting of nickel and cobalt oxide reducing by reaction with the aluminum the said substances to metals, separating the formed alumina as a slag and obtaining an aluminum free alloy consisting of the contents of nickel, cobalt and iron in the initial alloy and the metals produced by the aluminothermic reduction of the added oxides.

2,270,644
NEGATIVE IMPEDANCE CIRCUITS
Ralph B. Blackman, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1939, Serial No. 262,639
10 Claims. (Cl. 178—44)



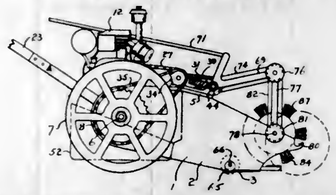
10. In combination in an electrical circuit a portion of which has the characteristics of a mismatched four-terminal network of positive impedance elements, another circuit portion electrically-adjacent and tandem-related to said first-mentioned circuit portion and having the characteristics of a four-terminal network the configuration and components of which are systematically related to the configuration and components of said first-mentioned network, and a pair of four-terminal negative impedance units one on each side of and electrically substantially contiguous with one of said circuit portions, each of said negative impedance units being of such character that the impedance presented at one pair of its terminals is a negative impedance function of only the impedance connected to the other pair of its terminals and a constant real factor, said pair of negative impedance units and said one circuit portion together being equivalent to a four-terminal network having elements that with respect to impedance are negatives of corresponding elements of said first-mentioned network.

2,270,645
STOP MOTION BOBBIN
William Thomas Briggs, Harriman, Tenn., assignor of fifty per cent to Thomas L. Bowman, Harriman, Tenn.
Application May 20, 1941, Serial No. 394,360
6 Claims. (Cl. 66—157)



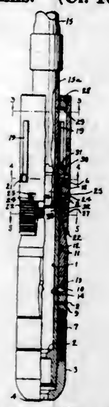
1. Actuating means for the stop motion mechanism of a textile machine comprising a trip normally retaining the mechanism inactive, a bobbin including an expansible shell adapted to be retained in contracted position by the thread wound thereon and released for expanding movement upon a predetermined exhaustion of the thread, and trip releasing means disposed in the path of the expanded bobbin for actuation thereby.

2,270,646
MOWER
Philip Alexander Campbell, Vancouver, British Columbia, Canada
Application August 15, 1939, Serial No. 290,190
2 Claims. (Cl. 56—26.5)



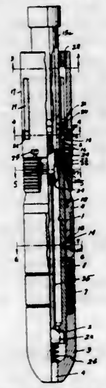
1. In a power driven lawn mower having a power unit, a frame and a sickle type cutting element extending transversely of the general direction of travel, a swinging frame mounted upon the mower frame, a rotary brush carried by said swinging frame and driven from the power unit, said frame having side plates provided with recesses, said recesses being adapted selectively to support the brush for rotation directly above the cutting edge of the cutting elements and in contact with the ground in front of and below said cutting edge, one recess of each side plate being located vertically above the cutting element and another recess of each side plate being located forwardly of the cutting element.

2,270,647
CASING PLUG
Walter L. Church, Houston, Tex., assignor to C-M-P Fishing Tool Corporation, Houston, Tex., a corporation
Application June 15, 1939, Serial No. 279,261
7 Claims. (Cl. 166—12)



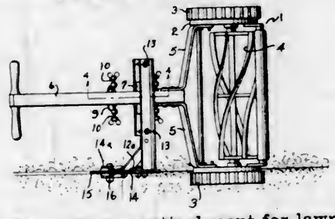
1. A device for cementing the perforations in a well casing comprising a tubular operating string; a packer assembly on the string; said assembly comprising a packer, releasable interlocking means to prevent expansion of the packer, means for releasing said interlocking means and expanding the packer upon appropriate manipulation of the string, said expanding means including a releasable grapple engageable with the casing and means arranged to be actuated by the pressure of fluid exerted through the string for actuating the grapple into engagement with the casing and means for releasing the grapple by manipulation of the string.

2,270,648
CEMENTING PLUG
Walter L. Church, Houston, Tex., assignor to C-M-P Fishing Tool Corporation, Houston, Tex., a corporation
Application February 16, 1940, Serial No. 319,329
3 Claims. (Cl. 166—12)



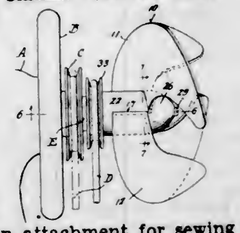
1. A cementing plug comprising a tubular mandrel having a passageway therethrough, a packer on the mandrel, casing grappling means, an expander on the mandrel arranged to be actuated by the pressure of fluid in the mandrel to force the grappling means into engagement with the surrounding casing, abutments on the mandrel defining the packer, one of said abutments being retained by the grappling means and the other being movable with the mandrel whereby the packer will be expanded by longitudinal movement of the mandrel in one direction, a downwardly opening valve controlling the flow of fluid through said passageway, means normally tending to hold the valve closed and means operative from the ground surface and effective to open, or permit the closing of, said valve.

2,270,649
LAWN TRIMMER
Hickman M. Corley, Houston, Tex.
Application May 25, 1939, Serial No. 275,613
3 Claims. (Cl. 97—227)



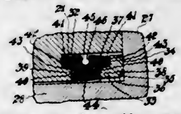
1. A lawn trimmer attachment for lawn mowers comprising a guide, means for securing the guide to the mower handle including a strap extending longitudinally of the handle, a frame, a rotatable cutting disc on the frame, clamp means on the frame in clamping relation with the guide and handle and adjustable transversely relative to the handle, said guide and securing means being effective to prevent rotation of the frame on the handle.

2,270,650
SEWING MACHINE ATTACHMENT
Thomas Crocella, New York, and Harry Mayer, Bronx, N. Y., assignors to Amex Associated Exporters and Importers Corporation, New York, N. Y., a corporation of New York
Application July 30, 1940, Serial No. 348,536
5 Claims. (Cl. 230—248)



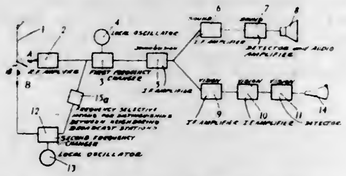
1. In a fan attachment for sewing machines, a plurality of flexible resilient blades having angulated beaded inner edges and a mounting therefor adapted to be affixed to the hub of the fly wheel of the machine to turn with the driving shaft thereof, said mounting including a pair of axially disposed sections having mating notched confronting ends defining ratchet teeth having inclined faces, one of said sections having keyhole slots extending inwardly from one end thereof between said adjacent inclined faces for receiving therein one of the angulated portions of the beaded inner edges of the blades and the other of said sections having arcuate grooves in the inclined faces thereof for receiving therein the beaded inner edges of the remaining angulated portions of the blades with said remaining angulated portions of the blades disposed between the confronting inclined faces of said sections, and means for securing said sections together.

2,270,651
SEALING DEVICE
Frank B. Doyle, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1941, Serial No. 384,454
2 Claims. (Cl. 286—11)



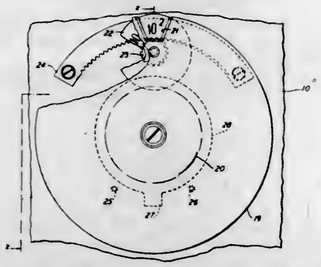
1. In a sealing device, the combination of a casing having a sealing chamber for the fluid to be sealed and a rotor having a sealing surface, a sealing member encircling the rotor and seating against the sealing surface, opposed flanges on the casing and the sealing member, a peripheral surface on each flange inclined toward the axis of the rotor, a resilient ring, an annular groove in the resilient ring providing pressure surfaces against which the pressure of the fluid in the sealing chamber may act to hold the ring in fluid-tight engagement with the peripheral surfaces and press the sealing member against the sealing surface, and an internal flange on the resilient ring of greater width than the distance between the opposed flanges to press the sealing member against the sealing surface.

2,270,652
RADIO-RECEIVING APPARATUS
Dennis Clark Espley, North Wembley, England, assignor to The General Electric Company Limited, London, England
Application July 22, 1939, Serial No. 285,832
In Great Britain July 27, 1938
4 Claims. (Cl. 250—9)



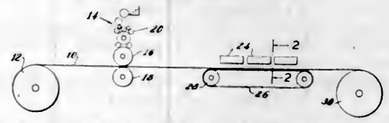
1. A heterodyne radio receiver adapted to receive alternately broadcast sound signals and sound accompanied television signals, comprising means for receiving the television and accompanying sound signals, said means comprising a first frequency-changer common to both the vision and sound channels, means for receiving the broadcast sound signals, said means comprising a second frequency-changer adapted to produce the broadcast sound intermediate frequency, means connecting the input of said second frequency changer to a broadcast sound receiving aerial and means connecting the output of said second frequency-changer to the input of said first frequency-changer, means for rendering operative either the said television and accompanying sound receiving means or the said broadcast sound receiving means, and means for converting said first frequency-changer into an amplifier when the said broadcast sound receiving means is rendered operative.

2,270,653
INDICATING DEVICE
Stanley J. Harazim, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1939, Serial No. 305,663
3 Claims. (Cl. 116—124)



1. An indicating device for rotatably adjustable mechanisms comprising a panel, a shaft extending through said panel, a dial plate and knob secured to the front end of said shaft, said dial plate being parallel with said panel and in spaced relation thereto, having a notch at its periphery, an indicating disc having characters thereon rotatably mounted on the rear side of said dial plate and adjacent the notch, stationary means mounted on said panel between said panel and said dial plate in engagement with said indicating disc for causing the rotation thereof when said dial plate is rotated by said knob.

2,270,654
METHOD AND APPARATUS FOR DRYING PRINTING INKS
Carl Stanley Johnson, Park Ridge, and Erick E. Walline, Chicago, Ill., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 19, 1939, Serial No. 309,938
7 Claims. (Cl. 101—416)



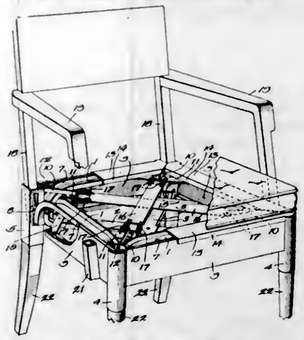
1. A method of printing, which comprises applying to the surface of a sheet or web of transparent material an ink that may be dried by the application of radiant heat thereto, arranging a heat absorbing means substantially in the plane of the sheet or web, and directing radiant heat upon the printed surface thereby causing the major portion of said heat to be absorbed substantially in the plane of said sheet or web.

2,270,655
POCKETKNIFE
Charles R. Keeran, Evanston, Ill.
Application February 1, 1941, Serial No. 376,944
9 Claims. (Cl. 30—162)



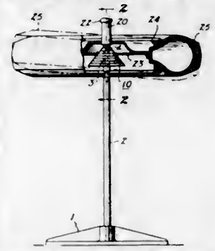
1. In a knife having a hollow, slotted handle, and a blade adapted to slide in the handle, the combination of an operating button having a shank projecting into the slot in the handle and engaging the blade, and rotatable means in the connection between the button and the shank adapted to operate to lock the blade in different positions in the handle.

2,270,656
FURNITURE
Jules P. Kiesecker, New York, N. Y.
Application January 23, 1939, Serial No. 252,376
9 Claims. (Cl. 155—194)



1. An article of furniture including a frame having sides formed of a plurality of structural flanged metal shapes or channel irons bent in the form of flat arches with the flanges thereof extending upwardly rom the respective webs and with the opposite terminations of the said arches extended into depending parallel legs, with the legs of the arches adjacent each other interlocked in engagement with each other to form the corners of the frame, and a plurality of diagonally arranged members of similar structural flanged metal shapes or channel irons bent in the form of flat arches with the flanges thereof extending downwardly from the respective webs and with the opposite terminations of said arches extended into ascending parallel legs secured to the diagonally opposite interlocked depending legs of the first said flat arches and wherein the ascending legs of the inverted arches are secured to the inner portions of the interlocking depending legs of the flat arches and the outer portions of the interlocking legs forming the corners are provided with means to mount the legs of the article, and skirts are mounted upon each side of the frame extending from the top of the flat arches to the bottom of the flat portions of the inverted flat diagonal arches, and the means to mount the legs of the article are provided with means to receive and support the ends of the adjacent skirts.

2,270,657
HORIZONTAL BALANCE
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 27, 1940, Serial No. 337,332
3 Claims. (Cl. 73—53)

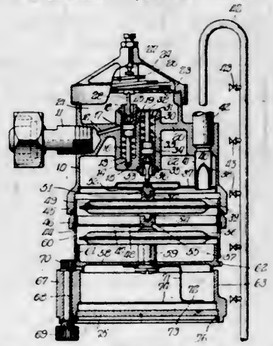


1. In a wheel balancer having a vertical spindle, a tiltable wheel supporting unit comprising an elongated holder having a tubular portion at its lower end providing an axial socket to receive the spindle, a carrier embracing the holder and adapted to receive and support a wheel, said carrier being adjustable by vertical sliding movement on the holder for raising and lowering the center of gravity of the same and a wheel supported thereby relative to the spindle, and means for retaining the carrier in adjusted position on the holder.

2,270,658
TREATMENT OF TEXTILE MATERIALS
Wolfgang Linnhoff, Berlin-Lankwitz, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 15, 1938, Serial No. 240,573. In Germany November 15, 1937
6 Claims. (Cl. 8—120)

1. In the process of rendering textile materials water repellent, the steps which comprise treating a textile material with an emulsion comprising a substantially water insoluble, long chain, aliphatic anhydride esterifying agent, a water soluble cation-active quaternary ammonium compound having an aliphatic radical of at least 10 carbon atoms, and subsequently heating said treated material to cause esterification thereof, said cation-active compound present in said emulsion acting to substantially reduce saponification of said esterifying agent in said water.

2,270,659
OXYGEN SUPPLY CONTROL MECHANISM
Paul F. Meyn, Chicago, Ill., assignor to The Gaertner Scientific Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1940, Serial No. 333,964
4 Claims. (Cl. 137—153)

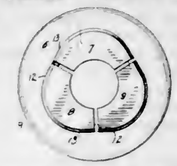


1. A device of the type described, comprising a primary pressure compartment, means for establishing and maintaining a predetermined pressure in said primary pressure compartment, a secondary pressure compartment, a valve between said compartments, means sealed from atmospheric pressure and responsive to a decrease in pressure in said secondary compartment for opening said valve, and an aneroid subject to atmospheric pressure for augmenting the action of said last named means.

2,270,660
METHOD OF MAKING ORDNANCE ALLOYS
Charles C. Misfeldt, Glendale, Calif.
No Drawing. Application August 14, 1939, Serial No. 290,076
2 Claims. (Cl. 75—135)

2. The method of making an ordnance alloy resistant to mercury fulminate which comprises melting copper and beryllium to form a basal alloy thereof, forming a cold alloy of aluminum in an amount providing 1% to 20% of the final alloy with mercury in excess of the amount forming a stable amalgam with said aluminum, and adding said mercury alloy to said beryllium copper melted at a temperature less than the vaporization temperature of the amalgam but more than the vaporization temperature of free mercury.

2,270,661
SPRING COLLET
Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application January 12, 1939, Serial No. 250,495
7 Claims. (Cl. 279—51)



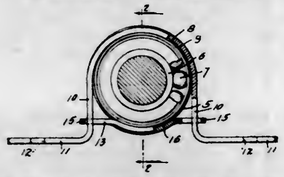
1. A collet including a plurality of externally

longitudinally-tapered jaws, a substantial portion of the outer surface of each jaw being convexly curved transversely from the narrow end of its outer surface to the outer end thereof and such curved portion being of the same width and transverse contour from the rear end through the front end of said external surface, such curved portion being less than semicircular in extent.

2,270,662
COATED STEEL ARTICLE
Marion H. Raney, Long Island City, N. Y., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
No Drawing. Application January 19, 1939, Serial No. 251,795
6 Claims. (Cl. 91—70)

1. An article of manufacture comprising ferrous metal in sheet form and a coating adhering directly to the bare metal, said coating comprising as essential film-forming ingredients an intimate mixture of a vinyl resin and a phenol aldehyde resin, and being resistant to corrosion, flexible, tough and sufficiently adherent to the iron to permit fabrication of the coated sheet.

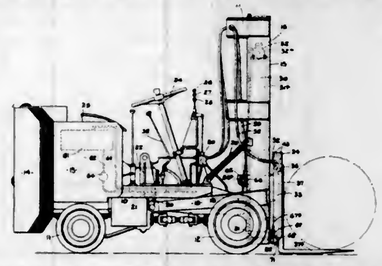
2,270,663
PILLOW BLOCK
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application October 5, 1939, Serial No. 298,040
2 Claims. (Cl. 308—194)



1. In a self-aligning bearing, a bearing housing including a generally U-shaped strap, a tie piece extending between the legs of said U-shaped strap, said strap and said tie piece having inner bearing surfaces of generally spherical form, said bearing surface in said strap being continuous and substantially semi-circular in circumferential extent, an outer bearing ring having an outer circumferentially continuous generally spherical surface fitting said inner bearing surfaces, said strap and said tie piece being joined to each other at an angle and outwardly beyond said generally spherical surfaces, the adjacent surfaces of said strap and tie piece adjacent the point of juncture being spaced apart at the generally spherical surface of said inner ring a distance at least as great as substantially the width of said outer bearing ring.

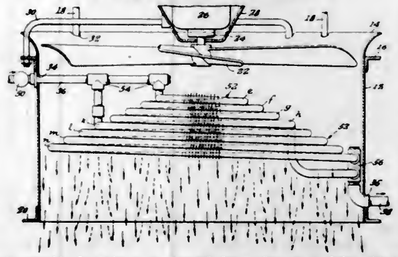
2,270,664
INDUSTRIAL TRUCK
Elverton W. Weaver, Cleveland Heights, Ohio, assignor to Towmotor Co., Cleveland, Ohio, a copartnership composed of Lester M. Sears, Ruth P. Sears, Mary Ann Sears, and Anna L. Sears
Application November 6, 1940, Serial No. 364,537
7 Claims. (Cl. 214—113)

1. In a truck, the combination of a frame, a substantially vertical mast supported by said frame, a carriage, and means for moving the same along said mast, a pair of load-engaging members slidably mounted for movement transversely and bodily of said carriage, and means for moving the said load-engaging members transversely of the said carriage, the said means comprising a hydraulic unit mounted on said



frame and comprising a cylinder element and a piston element, means connecting one of the said elements with both of the load-engaging members for moving the said members in unison, and means for supplying hydraulic fluid to and from the said cylinder element.

2,270,665
HEATING DEVICE
Harry Stewart Wheller, New York, N. Y., assignor to L. J. Wing Mfg. Co., New York, N. Y., a corporation of New York
Application June 2, 1938, Serial No. 211,330
1 Claim. (Cl. 257—137)



A unit heater comprising in combination a casing, air heating means arranged in the casing and comprising a plurality of expanding spiral steam conducting heating tubes adapted to be connected in parallel in a steam system, any spiral tube having its widest ring narrower than the narrowest ring of the next succeeding adjacent spiral tube, means for circulating a stream of air through the casing, spaced fins arranged on said tubes extending substantially in the direction of flow of the air stream, a steam inlet pipe connected to the air heating means, in parallel with the tubes at the centers of the spiral and means, in the inlet pipe for controlling the steam pressure within each heating tube.

2,270,666
DEEP WELL PUMP
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application November 4, 1937, Serial No. 172,761
10 Claims. (Cl. 103—87)

1. In a centrifugal pump, a casing, a plurality of diffusers housed within said casing in nested relation and retained between elements rigidly mounted on the well casing, adjacent diffusers

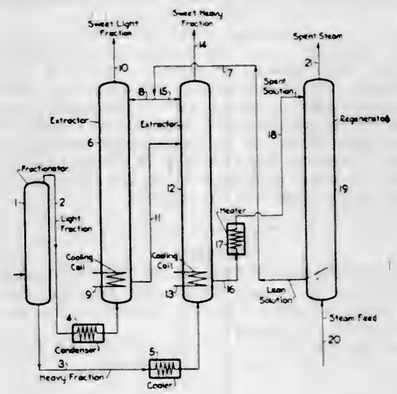
forming impeller chambers, each of said diffusers being formed with a plurality of radially extending passages and with an axially positioned bore, a shaft extending through said axial bores, impellers positioned in said chambers and slidable on said shaft, means for rotating said shaft and means for preventing relative rotation between said impellers and said shaft while permitting axial motion with respect to said shaft, and means for transmitting thrust from each of said impellers to respective adjacent diffusers.



3. In a submergible, centrifugal pump assembly, an electric motor, a centrifugal pump, a lubricant reservoir positioned between said pump and said motor and forming a connection therebetween, a passage formed in said reservoir, a connecting shaft extending from said motor to said pump through said passage for driving said pump from said motor, said pump having a shaft, a thrust bearing for said shaft between said motor and said pump, a piston in said lubricant reservoir, a spring behind said piston, means providing communication between fluid in which said unit is submerged and the space behind said piston, a lubricant above said piston, and means providing communication between said lubricant reservoir and said thrust bearing whereby pressure exerted on said piston by said spring and said fluid in which the unit is submerged will cause lubricant to flow to said thrust bearing.

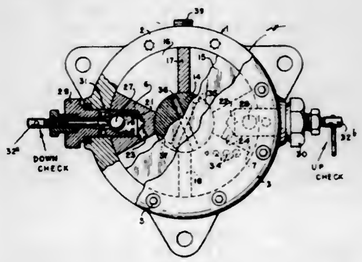
2,270,667
PROCESS FOR EXTRACTION
Albert V. Caselli, Oakland, and Alan C. Nixon, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 20, 1940, Serial No. 336,142
5 Claims. (Cl. 196—30)

1. In an extraction process wherein mercaptans of different degrees of ease of transference contained in a hydrocarbon oil are extracted with an aqueous solution of alkali metal hydroxide and solutizer which is substantially immiscible with and chemically inert to said hydrocarbon oil, the improvement comprising fractionally distilling the hydrocarbon oil to produce several fractions containing mercaptans of different degrees of ease of transference, flowing each of said fractions containing said mercaptans through a separate extraction zone to produce as many separate treated fractions, dividing said aqueous solution into a number of portions equal to the number of fractions of the hydrocarbon oil, flowing a first portion of said aqueous solution through said extraction zones in series to contact said fractions in the order of decreasing ease of transference of the mercaptans which the fractions contain, introducing into each subsequent extraction zone an additional portion of



said aqueous solution to mix with the previous portion or portions and to flow through the extraction zone and subsequent extraction zones in series, and withdrawing from the last zone substantially spent aqueous solution containing the combined portions of said aqueous solutions and the extracted mercaptans.

2,270,668
HYDRAULIC CHECK
Ernest Davis, Syracuse, N. Y.
Application May 28, 1940, Serial No. 337,670
15 Claims. (Cl. 188—93)



1. A hydraulic check comprising a body element and a piston element having relative rocking movement, the body element being formed with a cylindrical interior and having inwardly extending abutments dividing the interior into part-cylindrical chambers, the piston element being mounted in the body element coaxially with said chambers coacting with the ends of the abutments and having radial vanes extending into the chambers respectively between the abutments, adjustable valve-controlled ports in the abutments, one in each, opening into only one and the same chamber, and passages in the piston for transferring the fluid from one part cylindrical chamber to the other.

2,270,669

PROCESS FOR THE PRODUCTION OF ISOBUTANE

Martin de Simo, Piedmont, and Frank Matthew McMillan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 29, 1939, Serial No. 297,104
8 Claims. (Cl. 260—676)

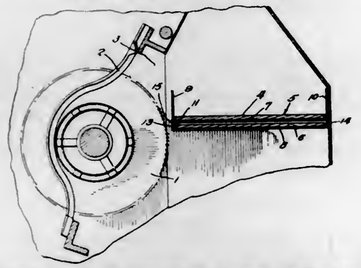
4. A process for the production of isobutane from lower molecular weight saturated hydrocarbons which comprises continuously passing propane vapors along with a hydrogen halide over a supported acid-acting metal halide catalyst maintained at a temperature above about 100° C. but not substantially in excess of 200° C., and removing isobutane from the reaction mixture by reaction with an olefine.

2,270,670

COTTON GIN WITH BELT MOTE BOARD

Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Co., Columbus, Ga., a corporation of Georgia

Application February 8, 1941, Serial No. 378,089
10 Claims. (Cl. 19—58)



1. Cotton gin comprising a saw cylinder, and means defining a moting chamber adjacent thereto, said chamber defining means including a member continuously movable longitudinally of said saw cylinder parallel thereto, defining with said saw cylinder the upper part of a lint passage, supporting means for said movable member having that portion which is proximate to said saw cylinder overlain by said movable member throughout the zone of centrifugal discharge from said saw cylinder, said movable member extending beyond said saw cylinder, and means engageable with said extended portion for clearing said movable member of deposited matter.

2,270,671

APPLICATOR FOR ELASTIC RINGS

Jesse E. Hall, Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application July 5, 1938, Serial No. 217,340
4 Claims. (Cl. 29—88.2)

1. A ring applicator including a base member, a plurality of relatively movable members located in a substantially circular path, means for supporting said movable members from said base member, said movable members being adapted to support a ring to be expanded, an expander for expanding a ring so supported and adapted to be located within said circle of movable members, a hollow frame having a bottom, adapted to receive said members and expander for reciprocating movement within the same, releasable means for supporting said base member a predetermined distance above the bottom of said frame, means for releasing said supporting means to permit said base member, ring supporting movable members and expander to fall to the



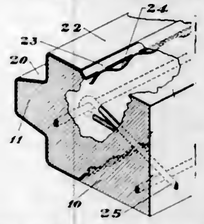
bottom of said frame whereby the kinetic energy developed during the fall may, upon stopping of said base and movable members by contact with said bottom, cause said expander to pass through and expand said ring.

2,270,672

BUILDING SLAB

Arthur A. Heeren, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application October 6, 1938, Serial No. 233,620
7 Claims. (Cl. 72—68)



1. In a building slab, a body of cementitious material, tongue and groove metal runners embracing opposite edges of said body, inwardly extending flanges on said runners, said flanges lying in the planes of the faces of said body, and anchoring loops extending obliquely from the inner edges of said flanges and embedded in said body in substantially opposed spaced relation, said loops being so formed as to prevent the formation thereby of cleavage planes through said body.

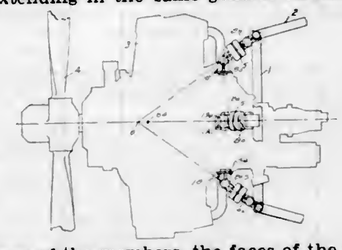
2,270,673

RESILIENT MOUNTING

Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application August 28, 1940, Serial No. 354,595
21 Claims. (Cl. 248—5)

1. A yielding mounting comprising members having opposing faces, an element of resilient material between the faces yieldingly resisting shear movement of the members in different edgewise directions of the faces, attaching means for the members adapted to secure the members to structures to be connected by the mounting, the attaching means of at least one of the members being provided with an auxiliary swinging joint swinging about a substantially constant axis extending in the same general direction as



the faces of the members, the faces of the members being positioned crosswise of the line of direct stress between the attaching means.

2,270,674

METHOD OF SEPARATING HIGH MOLECULAR MIXTURES

Stanislaw Pilat and Marian Godlewicz, Lemberg, Poland, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 25, 1936, Serial No. 76,466. In Poland February 6, 1933
18 Claims. (Cl. 196—13)

1. A process for separating a high molecular mixture into portions having different properties, comprising the steps of subjecting said mixture in the normal liquid state to the precipitating action of a quantity of a gaseous treating agent comprising a substance selected from the group consisting of: methane, ethane, and natural gas, under para-critical temperature conditions for said substance at a pressure below the liquefaction pressure of the treating agent at the temperature of the treatment, said quantity being sufficient to cause the formation of at least two liquid phases containing different portions of the mixture and separating said liquid phases at a para-critical temperature for said substance.

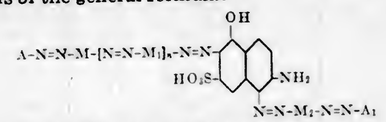
2,270,675

POLYAZO DYESTUFFS

Eberhard Stein, Leverkusen-Schlebusch, Hugo Schweitzer, Leverkusen-Wiesdorf, and Carl Taube, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 8, 1939, Serial No. 308,168. In Germany December 16, 1938
5 Claims. (Cl. 260—166)

1. As new products substantive polyazo dyestuffs of the general formula:



wherein A—N=N— and A_1—N=N— stand for radicals of diazotized initial components selected from the group consisting of amino-sulfonic acids and amino-carboxylic acids of the benzene and naphthalene series, M and M_1 stand for radicals of middle components selected from the group consisting of middle components of the benzene and naphthalene series, M_2 stands for the radical of a middle component of the benzene series, each of the radicals M, M_1 and M_2 bearing the —N=N— groups attached in p-position to each other, and *n* stands for one of the values 1 and 0, dyeing cotton and regenerated cellulose blue, blue-grey, grey to black shades.

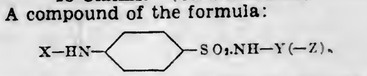
2,270,676

SULPHONIC ACID AMIDE COMPOUND

Robert Behnisch, Josef Klarer, and Fritz Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 6, 1937, Serial No. 157,808. In Germany August 20, 1936
18 Claims. (Cl. 260—397.7)

1. A compound of the formula:



wherein X stands for a substituent selected from the group consisting of hydrogen, saturated aliphatic acyl and benzoyl groups, Y stands for a hydroxyl-free aryl radical selected from the group consisting of aryl radicals of the benzene and naphthalene series, Z stands for an acid group selected from the group consisting of sulphonic and carboxylic acid groups and *n* stands for one of the numbers 1 and 2, which compound yields neutral aqueous solutions in the form of its salts with bases.

2,270,677

CUFF LINK CONSTRUCTION

Francis P. Cronan, Attleboro, Mass., assignor to Dolan & Bullock Company, Providence, R. I., a corporation of Rhode Island

Application April 4, 1940, Serial No. 327,838
4 Claims. (Cl. 24—102)



1. In a cuff link construction, a shank having spaced arms, a pivot pin of non-circular cross section mounted in said arms, a movable tubular head pivotally mounted on said pin, a leaf spring of arcuate form in said head contacting said pivot pin and adapted to yieldingly resist turning movement with respect to said pivot pin, the ends of said head being drawn axially and forming integral conical end closures, said spring being of a length to extend into said end closures when resisting turning movement of said pivot pin, whereby resistance of the spring to lengthening movement is increased.

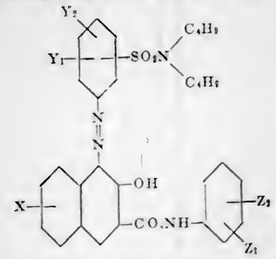
2,270,678

MONOAZO DYESTUFFS INSOLUBLE IN WATER

Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application September 15, 1939, Serial No. 295,051. In Germany September 15, 1938
5 Claims. (Cl. 260—204)

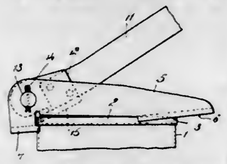
1. The water-insoluble mono-azo-dyestuffs of the following general formula



wherein X stands for a member of the group

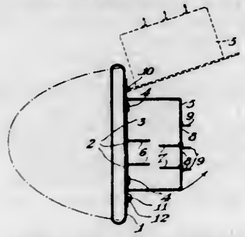
consisting of hydrogen, alkoxy and halogen, Y_1 stands for a member of the group consisting of alkoxy, benzyloxy and phenoxy, Y_2 for a member of the group consisting of hydrogen, alkoxy, alkyl and halogen, Z_1 for a member of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy, phenyl, hydrogenated phenyl, nitro and halogen and Z_2 for a member of the group consisting of hydrogen, alkyl and alkoxy, being insoluble in water, but very easily soluble in organic solvents and yielding red to violet shades of good properties of fastness.

2,270,679
CAN OPENER
Joseph W. Gibney, Port Chester, N. Y., assignor of one-half to Lawrence R. McWeeney, Rye, N. Y.
Application October 28, 1940, Serial No. 363,163
6 Claims. (Cl. 30—16)



1. A can opener comprising a base member having a portion adapted to engage the exterior wall of the can and forming a shearing blade, a second member pivoted to the base member, and means carried by the second member to engage the inner side of the crimped top of the can to force the can wall outwardly and shear the crimped top.

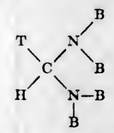
2,270,680
BEAM CONTROLLING DEVICE FOR LAMPS
William Stephen Cox Glover, Seaford, England
Application January 25, 1941, Serial No. 376,000
In Great Britain December 22, 1939
4 Claims. (Cl. 240—48.4)



1. In a beam controlling device for a headlight, a cover plate adapted to be attached to the front of the casing of said headlight, said cover plate being provided with a plurality of parallel slits, a housing carried on said cover plate and having a front wall substantially parallel to said cover plate and provided with a plurality of slits which are parallel to the slits of said cover plate, a plurality of rear control plates mounted on said housing and extending substantially parallel to each other and to the slits in said cover plate and being respectively mounted immediately above said slits in said cover plate, and a plurality of front control plates mounted on said housing inside of the front wall thereof and extending substantially parallel to each other and to said slits in said front wall of said housing and further extending toward said rear control plates, and being respectively mounted immediately above said slits in the front wall of said housing.

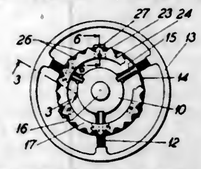
2,270,681
SALTS OF CERTAIN METHYLENE DIAMINES WITH CERTAIN PETROLEUM SULPHONIC ACIDS
Melvin De Groote, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd., a corporation of Delaware
No Drawing. Application May 12, 1939, Serial No. 273,221
2 Claims. (Cl. 260—501)

1. A new compound, consisting of a water-insoluble salt of a basic, methylene diamine of the formula type:



in which T is selected from the class consisting of hydrogen atoms, hydroxy alkyl and aliphatic hydrocarbon radicals, and B is selected from the class consisting of aliphatically-bound hydrocarbon radicals, alicyclic hydrocarbon radicals, aliphatic hydrocarbon radicals interrupted at least once by an oxygen atom, aliphatically-bound hydroxy hydrocarbon radicals and hydroxy alicyclic radicals; said diamine salt being obtained from water-soluble, non-hydrophobe petroleum sulphonic acid of the green acid type.

2,270,682
HORN SIGNALING DEVICE FOR MOTOR VEHICLES
Harold Howe, New York, N. Y.
Application March 23, 1940, Serial No. 325,583
12 Claims. (Cl. 74—484)



1. In a motor vehicle, a steering wheel, an arcuate horn ring associated with said steering wheel and connected to effect sounding of the vehicle horn, and a substantially coextensive guard for said horn ring positioned above and in spaced relation thereto and connected to said steering wheel for movement therewith.

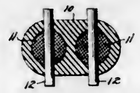
2,270,683
AUTOMATIC FIREARM
František Janeček, Prague-Nusle, Czechoslovakia
Application December 14, 1937, Serial No. 179,769
In Czechoslovakia December 14, 1936
9 Claims. (Cl. 42—3)



6. In an automatic firearm, a fixed barrel formed to receive a cartridge, a tubular receiver secured to said barrel in alignment with the same, a breech block and a breech block carrier

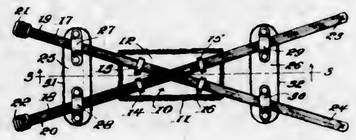
mounted for longitudinal movement in said receiver, a spring retracted firing pin carried by said breech block, a recoil spring in said receiver to the rear of said breech block and said carrier, said receiver having a well with a fixed stop, an actuator comprising a member pivoted at one end to said carrier and of a length to project into said well to cooperate with said fixed stop and by engaging said breech block serve to lock the breech block in the firing position, said actuator also serving at the commencement of the recoil action to retard the breech block and accelerate the carrier, until the actuator is rocked to a position where its projecting end is brought into the receiver.

2,270,684
ELECTRIC CABLE FLY KILLER
Arthur F. Kopisch, Blackwell, Okla.
Application November 12, 1940, Serial No. 365,387
1 Claim. (Cl. 43—112)



An electric cable fly killer comprising an insulated cable containing two stranded electric circuit wires, pegs of conducting material piercing the wires at short spaced intervals and projecting from either side of the cable in alternate spaced relation whereby a fly or other insect bridging the space between pegs of different polarity will be electrocuted.

2,270,685
KNEE BRACE
Elwood Miller, Reinbeck, Iowa
Application November 20, 1939, Serial No. 305,347
1 Claim. (Cl. 2—24)



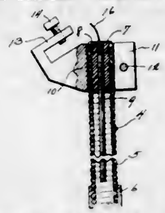
A knee brace comprising a pair of elongated, substantially rigid support members adapted to be positioned at opposite sides of the knee, a flexible pad positioned at the back of the knee, a band positioned diagonally of the said pad and with the ends extending to encompass the knee, a band positioned athwart the first-mentioned band and with the ends extending to encompass the knee in a manner whereby the upper end of the second-mentioned band may be secured to the upper end of the first-mentioned band, and the lower end of the second-mentioned band may be secured to the lower end of the first-mentioned band, the arrangement being such that association of the straps in the above manner will permit the pads to be shifted along the straps to positions at opposite sides of the knee cap and dispose the straps above and below the knee cap with the resultant effect that the adjacent edges of the pads will press against the opposite vertical sides of the knee cap and the said straps will bear against the horizontal edges of the knee cap to efficaciously prevent the said knee cap from shifting in any direction.

2,270,686
IMPELLING DEVICE
Howard Nelson Moore, Washington, D. C.
Application February 12, 1936, Serial No. 63,671
6 Claims. (Cl. 170—135)



1. A propeller designed to operate at high speed in a gas, said propeller comprising a substantially continuous smooth disc mounted for rotation about its center of gravity, a plurality of substantially radial, low, elongate projections on only one surface of the disc, the working faces of said projections being substantially normal to the surface of the disc, the ratio of the height of said projections to the mean diameter of said disc being less than five hundredths, said projections acting on the gas in such manner that the major portion of the effective energy supplied to the propeller is utilized in imparting angular velocity to the gas and causing it to move away from the center of rotation, whereby a pressure differential is maintained between opposite surfaces of the disc.

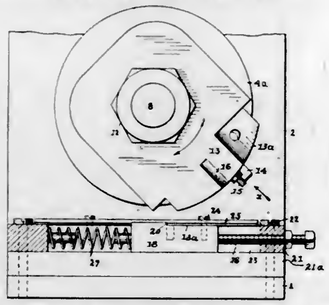
2,270,687
CURB INDICATOR SIGNAL
Ralph W. Morse, San Bernardino, Calif.
Application October 24, 1939, Serial No. 301,052
1 Claim. (Cl. 200—52)



A circuit closing device for attachment to an edge of a vehicle fender for extension laterally therefrom, comprising a single unit consisting of a body formed to provide a longitudinally split sleeve, the body having a recess formed therein for the reception of the edge of said fender and opening at one end adjacent an end of said sleeve and directed obliquely across the long axis of the sleeve, the body at one side of the recess being provided with a threaded aperture, a binding screw in said aperture for engaging and securing the body to the edge of the fender, said sleeve being extended laterally outwardly and downwardly from the outer side of the vehicle fender when the body is secured thereto, a closed coil spring housing having one end disposed in said sleeve, means closing the other end of the housing, a plug of insulation disposed in the said one end of the housing, a coil spring of relatively small diameter as compared to the interior diameter of the housing having an end secured in the plug of insulation and extending longitudinally of and through the major portion of the length of the housing, and means for contracting said split sleeve into binding relation with the said one end of the coil spring housing for clamping the same, the plug and the coil spring to-

gether, said coil spring and the housing constituting relatively movable circuit closing terminals.

2,270,688
BX CABLE STRIP FORMING MACHINE
Paul Schindler, Bayonne, N. J., assignor to William L. Pison, Clifton, N. J.
Application October 13, 1941, Serial No. 414,894
3 Claims. (Cl. 164—16)



1. A machine for deforming a metal strip at intervals thereof comprising fixed structure, a rotary element journaled in said structure and adapted always to be rotated in one direction through complete cycles and including a portion projecting from and itself including a substantially straight scoring edge facing away from and oblique to the periphery of said element, a strip-supporting die confined by said structure to reciprocate in a path opposed and parallel to a tangent of the orbit of said edge and arranged to support the strip with only a limited section of its thickness within said orbit, said die having an abutment projecting into the orbit of said portion and arranged to be engaged thereby as soon as said edge, in rotating with said element, engages the strip, whereby said die will be moved with said strip in one direction lengthwise of said path while the strip is being advanced by said edge, means normally urging the die in the opposite direction, and means, adjustable in said structure lengthwise of said path, to limit the movement of the die in said opposite direction.

2,270,689
STABLE PHARMACEUTICAL PREPARATION
Ludwig Schütz, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 8, 1939, Serial No. 260,505. In Germany March 11, 1938
1 Claim. (Cl. 167—67)

Composition of matter comprising acetyl salicylic acid in even distribution with quinine dihydrochloride which composition contains its components in a practically stable form.

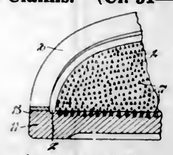
2,270,690
HYDRAULIC PROPELLING APPARATUS FOR BOATS
Samuel V. Shannahan, Baltimore, Md.
Application April 4, 1941, Serial No. 386,897
6 Claims. (Cl. 115—14)

1. In a hydraulic propelling apparatus for a water vessel including bulkheads, water conveying means extending longitudinally of and within the hull of the vessel and opening through the bow and stern, conveying means including a funnel shaped inlet section and outlet sections, intermediate sections connected to the inlet section, discharge sections connected to the outlet sections, lateral conduits connected to the intermediate and discharge sections respectively and opening through the port and starboard sides of the hull adjacent the bow and stern, reversible pumping means between certain of the inter-



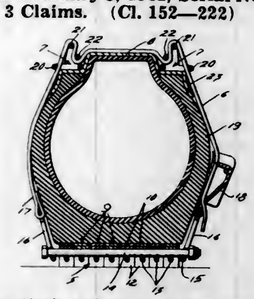
mediate and discharge sections for forcing water through the conveying means and said conduits, valve means for controlling the passage of water through the conveying means and said conduits, said bulkheads having openings therein, outwardly directed annular flanges formed on the ends of each of said sections and fixed to the bulkheads about the openings, and bracing means secured to and bridging said water conveying means and hull for reinforcing the same.

2,270,691
GRINDING TOOL
Hermann Schneider, Berlin-Neukolln, Germany, assignor of one-half to Julius Pintsch Kommandit-Gesellschaft, Berlin, Germany
Application December 12, 1938, Serial No. 245,302
In Germany January 12, 1938
7 Claims. (Cl. 51—209)



1. A grinding tool, consisting of a metallic carrier, formed with recesses defining a plurality of supports, and grinding material in the form of grains secured directly to each support, the tips of all the grains of grinding material standing out freely above the surface of each support, and being located in an imaginary surface which is equidistant from the carrier surface and is complementary with the surface to be ground by the tool.

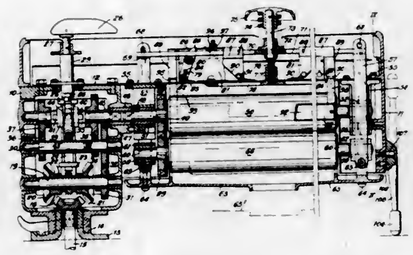
2,270,692
ANTISKID DEVICE
Thomas J. Stanton, Elizabeth, N. J.
Application February 5, 1941, Serial No. 377,567
3 Claims. (Cl. 152—222)



1. In an anti-skid device of the character described, a traction member composed of a plurality of traction elements each of which em-

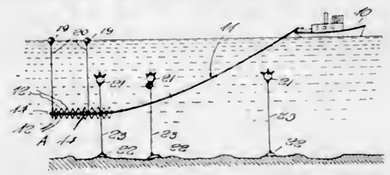
bodies a body-plate adapted for bearing flatwise against the tread of a tire and a substantially V-shaped lug secured to and projecting from one side of said plate in a direction outwardly from the tire, each of said elements also being provided with an eye disposed adjacent to the angle formed between the sides of the V-shaped lug, and a single bolt threaded through the eyes of the traction elements to mechanically connect said elements together into a single traction member.

2,270,693
WRINGER
Ivan Turner, Richmond, England
Application February 20, 1939, Serial No. 257,512
In Great Britain November 29, 1938
9 Claims. (Cl. 68—259



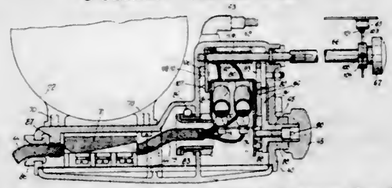
1. A wringer comprising a frame, a pair of cooperating rollers supported one above the other in said frame, the upper one of said rollers being rotatable at fixed centers in said frame, levers mounted on said frame, displaceable struts, means for holding said struts in position to form fulcra for said levers, spring means engaging corresponding ends of said levers, links engaged by the other ends of said levers, said links acting to lift the lower one of said rollers for operative pressure against said upper roller, and means for freeing said struts to obtain release of said pressure.

2,270,694
MINE-SWEEPING APPARATUS
William F. Yancey, Philadelphia, Pa., assignor of one-half to Morris Fishbein, Philadelphia, Pa.
Application November 8, 1940, Serial No. 364,917
3 Claims. (Cl. 114—221)



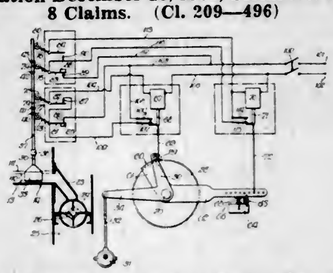
1. A mine-sweeping apparatus including a cable adapted to be connected at its ends to towboats, a series of diamond-shaped teeth secured to the cable at their approximate centers and projecting at opposite sides of said cable, and a float tethered to the cable within the bounds of the series of teeth, said teeth being of open frame-like construction and being secured to the cable in close relation, whereby the confronting side edges of each pair of adjacent teeth form a crotch adapted to receive a mooring cable.

2,270,695
DISHWASHING MACHINE
Tord Erik Daniel Bilde, Ulvsunda, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application February 14 ,1940, Serial No. 318,929
In Sweden March 3, 1939
3 Claims. (Cl. 219—39)



1. In a dish washing machine, a pump for forwarding a liquid serving for cleaning the dishes, an electric motor for driving said pump, an electric heater for heating the cleaning liquid, a two-way rocking switch having two current carrying positions and a currentless position, electric means to connect said motor and said heater with said switch, said switch being so arranged and constructed that in one of its current carrying positions the circuit of said motor is closed and the circuit of said heater is open and in its other current carrying position the circuit of said motor is open and the circuit of said heater is closed, manually operable means for moving said switch into either of its current carrying positions, and a thermostat responsive to the temperature of the cleaning liquid and arranged to move said switch from said last-named current carrying position into said currentless position.

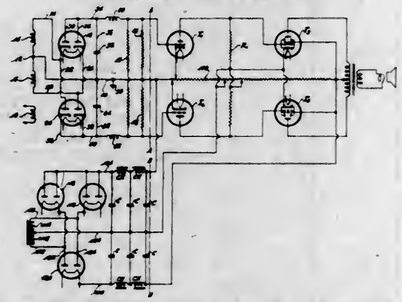
2,270,696
APPARATUS FOR REGULATING THE DISCHARGE OF MATERIAL FROM A SEPARATOR
Harry W. Brentz, Pittsburg, Kans.
Application December 16, 1938, Serial No. 246,161
8 Claims. (Cl. 209—496)



8. In a separator having a chamber for receiving material for separation and having a pawl and ratchet operated rotary discharge valve for discharging separated material, means for normally constantly reciprocating the pawl at a substantially constant rate while the separator is in operation tending to operate said valve through the medium of the ratchet so as to discharge material at a predetermined substantially constant rate, adjusting means for varying the position of said pawl relative to said ratchet so as to control its operatively effective engagement with the teeth of said ratchet, electromagnetic means and a circuit therefor for controlling the operation of said adjusting means, movable trip means controlled by a float disposed in said chamber, switch contact means directly operable by said trip means responsive to

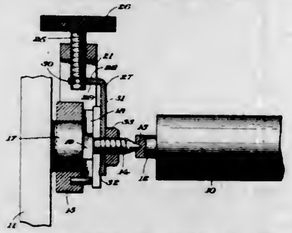
movement thereof in a predetermined direction for directly controlling the circuit of said electromagnetic means, a holding contact interposed in the circuit of said electromagnetic means for maintaining the circuit thereof, means directly operable by said electromagnetic means for actuating said holding contact, and means responsive to movement of said trip means in reverse direction for opening the circuit maintained over said holding contact.

2,270,697
RECTIFIER CIRCUIT
James R. Clark, Santa Barbara, Calif.
Application November 29, 1940, Serial No. 367,859
11 Claims. (Cl. 250—27)



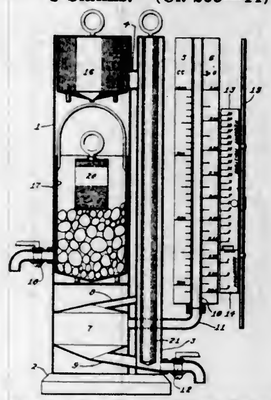
1. A bridge circuit comprising four legs, each leg containing a rectifier, said legs being connected to provide a pair of opposed terminals each connecting dissimilar electrodes of two of said rectifiers, and a pair of opposed terminals each connecting similar electrodes of two of said rectifiers, a source of A. C. connected across the first said pair of terminals, a resistive load connected across the second said pair of terminals, and means maintaining intermediate points of said A. C. supply and said load at equal potential.

2,270,698
ROLLER ADJUSTMENT FOR PRINTING PRESSES
Aldon E. Crostic, South Richmond, Va.
Application May 9, 1941, Serial No. 392,784
1 Claim. (Cl. 308—15)



In a printing press, a frame, an inking roller, a guide member on the frame having a guideway groove opening through the top and the bottom of the member and having a slot formed in the front face communicating with the groove, a threaded pin projecting through said slot having a head slideably mounted in the guideway groove, an inverted U-shape bracket carried by the guide member, an adjusting screw threadedly engaged through the upper end of the bracket, an inverted L-shape hanger bar having a horizontal leg swivelly connected to the adjusting screw and having a vertical leg loosely connected to the threaded pin for moving the threaded pin to adjusted vertical position on the guide member when the adjusting screw is turned, and a nut on the threaded pin adapted to clamp the hanger arm against the guide member to hold the threaded pin in adjusted position.

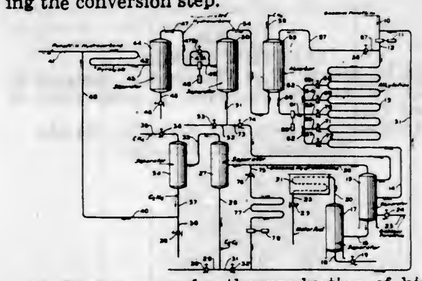
2,270,699
DISPLACEMENT MEASURING APPARATUS
Charles A. Davis, Richmond, Va.
Application October 26, 1940, Serial No. 362,936
3 Claims. (Cl. 265—44)



1. Apparatus for determining the specific gravity of bulk materials comprising an open top tank to receive liquid and then a predetermined weight of material, an overflow system, a connection between the tank at a predetermined liquid containing level thereof and the system, said connection being below the top of the tank, and a plunger placeable into the top of said tank a fixed distance thereby tending to expel liquid therefrom above said connection and into the system, said system having a drain valve at the lower part thereof to relieve the apparatus of all but the measured quantity of liquid in the tank, the placing of material into the tank causing a liquid overflow into said system and means to indicate the amount of overflow from the tank upon the placing of material thereinto.

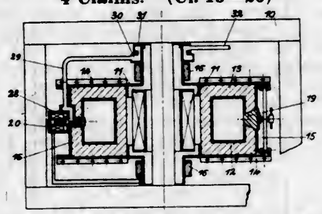
2,270,700
PROCESS FOR CONVERTING HYDROCARBONS OF LOW MOLECULAR WEIGHT
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 1, 1936, Serial No. 82,954
Renewed November 7, 1939
24 Claims. (Cl. 196—10)

6. A process for converting paraffin hydrocarbons of two or more carbon atoms per molecule to gasoline boiling hydrocarbons of controlled volatility, which comprises subjecting predominantly paraffin hydrocarbons admixed with normally gaseous unsaturated hydrocarbons of the class consisting of normally gaseous olefins, acetylenes, and butadiene in such a manner that the total concentration of unsaturates in the mixture at any one time does not exceed 30% to a temperature between 800 and 1200° F., and a pressure greater than 500 pounds per square inch to effect conversion to predominantly saturated hydrocarbons of higher molecular weight, separating a fraction from the effluent of said conversion step containing predominantly paraffin hydrocarbons of not less than two carbon atoms per molecule and containing controlled amounts of predominantly paraffin hydrocarbons of from five to six carbon atoms per molecule, and admixing said fraction with the fresh charge entering the conversion step.



11. In a process for the production of higher boiling hydrocarbons from lower boiling hydrocarbons, the step which consists in adding to a stream of predominantly saturated hydrocarbons, maintained at a conversion temperature and pressure, successive small quantities of predominantly acetylenic hydrocarbons, in such amount that the content of added acetylenes in the mixture at no time exceeds 10 per cent by weight of the total hydrocarbons present.

2,270,701
APPARATUS FOR THE REDUCTION OF OXIDES
Hans Gallusser, Geneva, Switzerland
Original application December 7, 1937, Serial No. 178,593. Divided and this application June 24, 1939, Serial No. 281,046. In Germany December 16, 1936
4 Claims. (Cl. 13—26)



1. An apparatus for the reduction of oxides by contact with reducing gas comprising a gastightly closed, cylindrical vessel for containing a charge of oxide to be reduced and having a cylindrical interior wall of electro-conductive metal forming a horizontal opening through the vessel, a transformer frame of magnetic metal extending through said horizontal opening, a primary transformer winding fixedly supported on said frame, means for supporting said vessel rotatably about its horizontal axis, said interior cylindrical wall of the vessel constituting a short-circuited coil serving as the secondary of the transformer and being heated thereby and transferring its heat to the charge in the vessel in contact therewith, and means for introducing reducing gas into said chamber below the level of the charge.

2,270,702
BLUNT BARB ELASTIC HOLDER
Samuel Getmansky, New York, N. Y.
Application January 7, 1941, Serial No. 373,473
3 Claims. (Cl. 24—143)

2. A blunt barb elastic holder, comprising a short length of elastic cord, a barb mounted on each end of said cord, each barb having a tail section at one end portion and a cylindrical section at the other end portion, said cylindrical section being clamped on to said cord so that the cord extends from the central portion of the barb,



and a lug portion on said barb, and the cord adjacent said barb being wound around the barb and engaged beneath said lug portion, whereby the cord may be slipped out from beneath said lug portion and unwound for increasing the distance between said barbs along the length of said cord.

2,270,703
ROTARY SEPARATOR
Ernest E. Bernard, Escondido, Calif.
Application November 22, 1939, Serial No. 305,718
2 Claims. (Cl. 209—285)

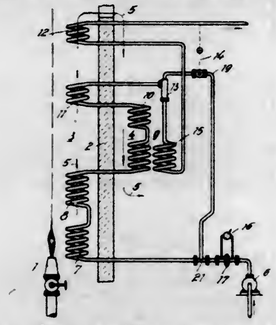


1. In a separator of the class described, a rotary screen horizontally arranged and comprising inner and outer concentric cylinders, each of said cylinders having a peripheral wall composed of a plurality of laterally spaced rings, the rings of the inner cylinder being arranged closer together than those of the outer cylinder, means for depositing the material to be separated upon the outer cylinder adjacent the top thereof, means for rotating the screen in a direction to cause the material to pass upwardly from the conveyor, the large particles being carried along with the outer cylinder and dropping from the same as the portions containing the large particles start to move downwardly, a conveyor for receiving the particles dropping from the large cylinder, the small particles dropping through the rings of the outer cylinder falling upon the inner cylinder which conveys these particles to a point where they drop upon the last-mentioned conveyor, finer particles dropping through both cylinders, circumferentially spaced baffle plates located between the cylinders and arranged substantially tangentially to the inner cylinder and each baffle plate sloping downwardly and outwardly at the discharge point of the device.

2,270,704
STEAM GENERATOR
Richard Biersack, Berlin-Wilmersdorf, Germany, assignor to Patentverwertungs - Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application October 16, 1939, Serial No. 299,780
In Germany July 28, 1938
3 Claims. (Cl. 122—487)

1. A steam generator system comprising a first heating zone subjected to a relatively high temperature, a second heating zone subjected to a temperature which is lower than that obtaining in said first zone, an evaporator composed of a plurality of serially related sections with the last section thereof wherein evaporation of residual

water takes place disposed within said second heating zone, a superheater disposed within said first heating zone and serially connected with said last section of the evaporator, a device for injecting water into steam leaving said superheater to control the temperature of the steam supplied



thereby, and an auxiliary heating section connected with said device and receiving said injection water, said auxiliary heating section being disposed within said second heating zone and subjected therein to temperature conditions which are substantially identical to those acting upon said last section of the evaporator.

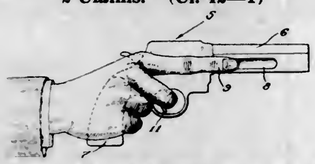
2,270,705
PRODUCTION OF ACROLEIN
Karl M. Herstein, Brooklyn, N. Y., assignor to Acrolein Corporation, a corporation of Delaware
Application September 27, 1939, Serial No. 296,771
7 Claims. (Cl. 260—604)

1. The method of producing acrolein which comprises substantially saturating a mercuric sulphate reagent with propylene at a temperature below 70° C. and heating the resulting composition to a temperature above 70° C. to effect conversion of propylene into acrolein.

2,270,706
METHOD OF DYEING VINYL POLYMERS
Karl Heymann, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1940, Serial No. 323,349
4 Claims. (Cl. 8—55)

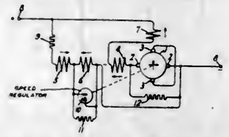
1. A method of dyeing yarns and other shapes comprising vinyl polymers, comprising the step of treating the yarn or shape with a dye bath containing a suspension dyestuff in the presence of 8-hydroxyquinoline.

2,270,707
SIGHTING MEANS FOR FIREARMS
John J. Humski, Cicero, Ill.
Application October 18, 1939, Serial No. 300,057
2 Claims. (Cl. 42—1)



1. In a gun having a housing, a barrel and a handle, a groove formed longitudinally at one side of the barrel and parallel therewith, the said groove being shaped to guidingly accommodate one side of a finger of the shooting hand in a position level with the bore of the barrel for sighting the gun.

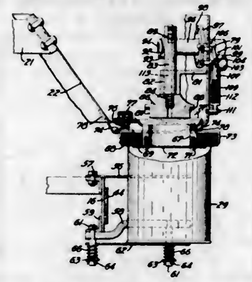
2,270,708
ELECTRIC MOTOR
Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 2, 1941, Serial No. 391,540
12 Claims. (Cl. 171—223)



12. In combination, a direct-current commutator type motor having a set of main brushes, a set of auxiliary brushes whose axis is displaced from the axis of said main brushes, means including a conductor for completing a local circuit which contains said auxiliary brushes, a control field winding and a compensating field winding for producing magnetomotive forces along the axis of said main brushes, and a starting field winding for producing a flux along the axis of said auxiliary brushes, said compensating winding and said starting winding being serially connected with said main brushes between a pair of input terminals, said compensating winding having a magnetomotive force substantially equal and opposite to the armature reaction magnetomotive force along the axis of said main brushes and which is of the order of two per cent less in magnitude than said armature reaction whereby the effective magnetomotive force of said control winding is substantially independent of the input current to said motor, said starting winding having substantially the minimum number of turns necessary to cause said motor to start under full load when minimum voltage is impressed on said input terminals whereby after said motor gains speed the excitation produced by said starting winding is automatically reduced and substantially all the normal excitation is obtained from the ampere-turns of the circuit containing said auxiliary brushes, the current in said circuit being produced by the voltage induced in said armature between said auxiliary brushes by flux along the axis of said main brushes, means for varying the effectiveness of said control winding from a maximum value substantially to zero, and means for bringing the compensation produced by said compensating winding up to 100 per cent after the motor starts and when the effectiveness of said control field winding is substantially zero, the load on said motor is substantially equal to full load and minimum voltage is applied to said input terminals.

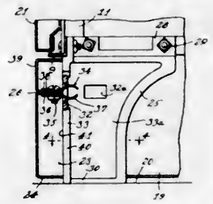
2,270,709
FRUIT AND VEGETABLE JUICE FILLING MACHINE
Stefano Pittaluga, San Leandro, Calif.
Application May 25, 1940, Serial No. 337,228
9 Claims. (Cl. 226—98)

1. In a can filling machine, including a turntable movable in a substantially horizontal plane through an operational cycle and a fluid-containing reservoir above and movable with and in a plane angularly inclined with respect to the plane of movement of the turntable, said reservoir having therein a discharge port, means on said turntable for engaging a receptacle and for positioning said receptacle in registry with the reservoir discharge port so that fluid from the reservoir may flow into the receptacle, means carried by said reservoir, and movable therewith and in the plane of movement thereof, engageable with said receptacle for sealing the connection between the reservoir and the receptacle so



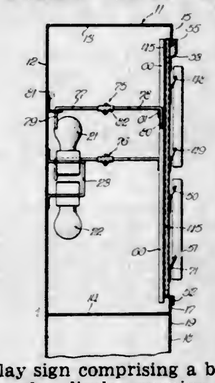
as to preclude leakage of fluid therefrom, means associated with said sealing means for resiliently transferring motion of said sealing means, after the latter engages the receptacle, from the angularly inclined plane of movement of the reservoir to a plane paralleling the horizontal plane of movement of the turntable, a valve for opening and closing said reservoir discharge port including a movable control element, and spaced means successively engageable by said control element for moving said control element to open and close said valve.

2,270,710
CABINET CONSTRUCTION FOR RANGES AND THE LIKE
Harold H. Ring, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Original application February 27, 1939, Serial No. 258,634. Divided and this application March 28, 1940, Serial No. 326,344
4 Claims. (Cl. 312—143)



3. In a cabinet construction, a body member having an opening provided therein, a panel adapted to be detachably mounted on said body member, a support on said panel member, two oppositely bowed leaf springs having flat attaching shank portions engaging opposite sides of said support so that the bowed portions project from the panel and together form a C-projection adapted to be entered through the opening in the body member, and a fastening bolt entered through registering holes provided in said support and attaching shank portions whereby to fasten the leaf springs in place thereon.

2,270,711
DISPLAY DEVICE
Erwin Wagner, Chicago, Ill., assignor to Wagner Sign Service, Incorporated, Chicago, Ill., a corporation of Illinois
Application July 12, 1939, Serial No. 283,927
8 Claims. (Cl. 40—140)



1. A display sign comprising a box, a substantially rectangular display opening on the side of said box defined by a circumferentially disposed marginal strip, a glass panel for closing said display opening, a carrier frame for holding and mounting said panel within said display opening with the outer display surface thereof disposed in a plane extending in back of said strip, said carrier frame comprising upright channel members engaging two opposite edges and a bottom channel member engaging the bottom edge of said panel, an angular bracket-like member attached to each said upright channel member at the top thereof for engagement with the outside face of the top part of said strip, and an angular member attached to and extending along said bottom channel member for engagement with the outside face of the bottom part of said strip and forming an apron overlapping said strip substantially for the entire width of said panel, when said panel is positioned to close said display opening, whereby moisture draining through the space between said bracket-like members at the top of said panel is directed to the outside over said apron member at the bottom thereof.

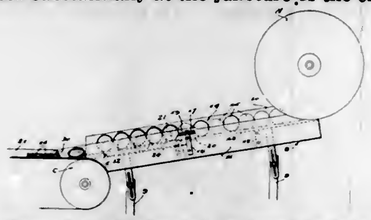
2,270,712
ETCHING LITHOGRAPHIC PLATES
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 12, 1940, Serial No. 329,343
11 Claims. (Cl. 41—41.5)

1. In a process of making lithographic plates, etching the developed plate with a saturated solution of magnesium chloride containing two to five per cent by weight each of formic and glycollic acid.

2,270,713
CAP SELECTOR
John Belada, Glassboro, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 6, 1940, Serial No. 328,309
2 Claims. (Cl. 198—33)

2. Apparatus of the character described comprising an inclined chute, a pair of parallel adjacent channels connected to the lower end of the chute, one of said channels being disposed in

a lower plane throughout its length than, but parallel to the other channel and said chute, a pair of star wheels freely rotatable substantially in the plane of the chute and having fingers projecting into the chute from opposite sides thereof substantially at the juncture of the chute



and channels, a horizontal conveyor in proximity to the lower end of the chute and cams arranged at the lower end of said channels for changing the position of the articles as they are discharged from the latter and placing them in two parallel longitudinal rows upon the conveyor.

2,270,714

LINER FOR CLOSURES

Charles M. Bellg, Pitman, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application November 25, 1939, Serial No. 306,105

1 Claim. (Cl. 215—40)



In combination, a closure for bottles or jars, a liner for the closure comprising a disk-like sheet of composition material, one flat face of the liner being attached to the interior of the closure, the liner having said one flat face provided with a series of slits, the ends of which open through the periphery of the liner, said slits being of a depth equal to approximately one-half the thickness of the sheet and a facing sheet attached to the other flat face of said liner.

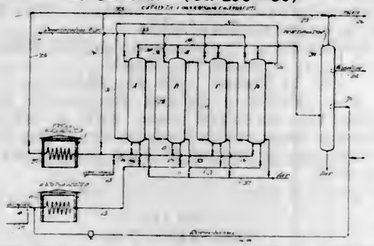
2,270,715

CATALYTIC TREATMENT OF PETROLEUM DISTILLATES

Edwin T. Layng and Louis C. Rubin, Jersey City, N. J., assignors to The M. W. Kellogg Co., Jersey City, N. J., a corporation of Delaware

Application September 13, 1939, Serial No. 294,785

10 Claims. (Cl. 196—50)



9. In the process of aromatizing petroleum naphtha wherein the vapors of said naphtha are contacted in the presence of hydrogen with a solid aromatizing contact catalyst at a temperature of about 875 to 1075° F. and a pressure of about 30 to 450 pounds per square inch, the improvement comprising initially treating said catalyst at an elevated temperature in the range of 900 to 1400° F. with hydrogen-containing hydrocarbon gas, whereby the initial hydrocarbon destructive activity of said catalyst is reduced before contacting with said naphtha.

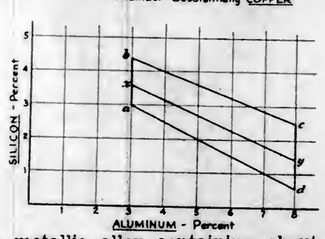
2,270,716

COPPER ALLOY

Alan Morris, Nichols, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Application November 8, 1941, Serial No. 418,305

8 Claims. (Cl. 75—160)



1. A metallic alloy containing about 3% to about 8% by weight of aluminum; about 0.6% to about 4.4% by weight of silicon, and about 0.05% to about 1.0% by weight of zirconium, the balance being substantially copper.

2,270,717

PROCESS OF TRANSFERRING HEAT

Vladimir L. Shipp, New York, and John Happel, Brooklyn, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application May 22, 1940, Serial No. 336,592

3 Claims. (Cl. 252—73)

1. The method of applying heat at temperatures ranging from 600° F. to around 700° F. comprising continuously circulating a fluid heat transfer medium in a closed cycle, applying heat to said medium in one portion of said cycle and removing useful heat from it at another portion of the cycle, in which the fluid heat transfer medium is a cracked mineral oil fraction, substantially resistant to thermal decomposition, as evidenced by formation of normally non-condensible gaseous products, upon prolonged exposure to temperatures within the range 600–700° F. conforming to the following specification:

Gravity °A. P. I.	0 to 30
Initial boiling point, °F.	575 to 850
Viscosity at 100° F., seconds Saybolt Universal	60 to 250
Aniline point	80° C. or lower

2,270,718

ARTICLE OF VITREOUS QUARTZ AND PROCESS FOR PRODUCING AND WORKING IT

Franz Skaupy, Berlin-Lichterfelde-West, and Gustav Weissenberg, Berlin-Mariendorf, Germany

No Drawing. Application December 17, 1937, Serial No. 180,408. In Germany December 19, 1936

10 Claims. (Cl. 49—78.1)

1. A process for the manufacture of products of vitreous sintered quartz, comprising the steps of heating said products at sintering temperature, and keeping the products during the sintering operation within the critical temperature range of 1470° C. to 1710° C. for a short period of time up to about 15 minutes to avoid the formation of cristobalite.

6. As a new article of manufacture a coherent unitary product consisting essentially of finely divided quartz, sintered without fusion to form a unitary article, containing vitreous quartz, substantially free from cristobalite.

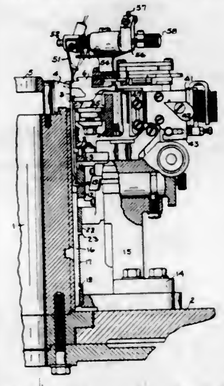
2,270,719

KNITTING MACHINE FOR PRODUCING PILE FABRICS

William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application October 7, 1938, Serial No. 233,771

14 Claims. (Cl. 66—93)



1. A method of knitting pile fabric including the steps of moving knitting instrumentalities progressively to measure pile loops about shanks of needles and thereafter measuring loops of base fabric and drawing both loops over cooperating stitch drawing edges on said instrumentalities.

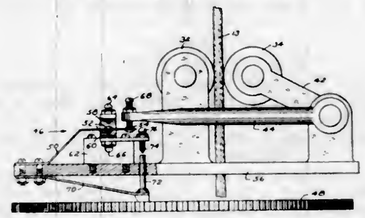
2,270,720

CARDING MACHINE

Roscoe Lee Thompson, Manchester, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia

Application June 19, 1939, Serial No. 279,828

3 Claims. (Cl. 19—165)



1. In a carding machine having stop mechanism, an electrical circuit for actuating said stop mechanism, a coiler, and coiler calendar rolls, mechanism for actuating said electrical circuit comprising a lever pivoted at one end and having one of said calendar rolls rotatably mounted at its other end, a pair of rigidly mounted interconnected contacts, a second set of contacts resiliently mounted and positioned between said first set of contacts and an arm rigidly attached at one end to said lever at its pivot point and carrying means adjacent its other end to actuate said contacts.

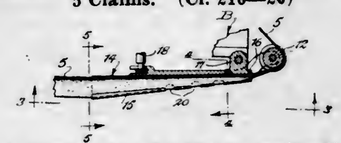
2,270,721

FOLDING SHOE

Earl Arthur Westphal, Buffalo, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application February 28, 1941, Serial No. 381,196

5 Claims. (Cl. 216—20)



1. A folding shoe for use in conjunction with tape applying mechanisms and comprising a generally U-shaped channel provided with spaced guide flanges adapted to support the edge portions of an adhesive tape strip as said strip is being moved therealong, said guide flanges each being slotted to permit the expulsion therefrom of any adhesive particles that become disengaged from said strip whereby binding of the strip against the adjacent portions of said guide flanges will be prevented.

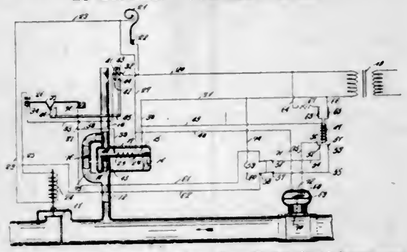
2,270,722

AUTOMATIC IGNITION FOR FLUID BURNERS

Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application October 1, 1938, Serial No. 232,816

10 Claims. (Cl. 158—117.1)



1. In control apparatus for fluid fuel burners, a fuel line, a main valve therein, an electric motor for opening said valve, a circuit for said motor comprising a source of current, a first control switch and a second control switch, means adapted to open the second control switch at the end of a predetermined time interval following the opening of the first control switch, a parallel circuit including said second control switch adapted to reduce the electrical energy available to said valve motor below that necessary to actuate the motor, a switch in said parallel circuit, and means functioning during the normal operation of the burner for maintaining said last named switch open, said means being incapacitated by and during the energization of the parallel circuit.

2,270,723

ARC SHIELD

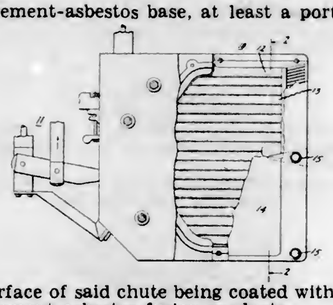
Eugene W. Boehne, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application August 1, 1940, Serial No. 349,305

9 Claims. (Cl. 200—144)

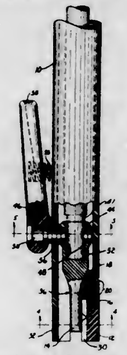
1. An arc chute comprising a molded Port-

land cement-asbestos base, at least a portion of



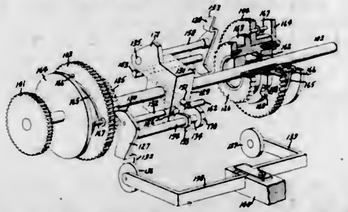
the surface of said chute being coated with Portland cement-asbestos fusion products.

2,270,724
WELDING ELECTRODE HOLDER
Edward Brazitis, St. Clair Shores, and George Brazitis, Detroit, Mich.
Application June 19, 1940, Serial No. 341,350
15 Claims. (Cl. 219—8)



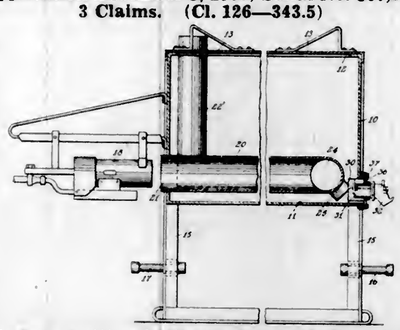
11. Welding electrode holder construction comprising an insulating housing having an electrode retainer of insulating material associated therewith, a pivoted metallic jaw associated with said housing, said jaw and said retainer each having a working face, means biasing said faces toward each other for securing an electrode therebetween, and a current conductor extending through said housing and being directly connected to said pivoted metallic jaw.

2,270,725
ARC LAMP MECHANISM
Clarence T. Crocker, Daytona Beach, Fla., assignor to General Electric Company, a corporation of New York
Application December 22, 1939, Serial No. 310,597
7 Claims. (Cl. 176—66)



1. In an arc lamp mechanism the combination of a drive shaft, an electrode feeding mechanism, a pawl mechanism attached to said drive shaft to rotate therewith, a ratchet wheel loosely mounted upon said shaft and connected to said electrode feeding mechanism, a pawl actuating relay member pivotally mounted to move transversely of said rotating pawl in response to variations in an arc condition, and means upon said pawl cooperating with said relay arm to effect a movement of said pawl into and out of engagement with said ratchet wheel responsive to the positioning of said pawl actuating relay member.

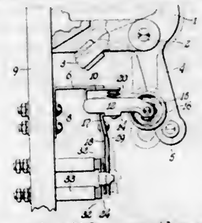
2,270,726
MELTING KETTLE FOR TAR, ASPHALT, AND THE LIKE
Walter C. Elze, Forest Hills, and Irving McDowell, Valley Stream, N. Y., assignors to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 307,610
3 Claims. (Cl. 126—343.5)



1. In a melting kettle for tar, asphalt and the like comprising a melting receptacle provided with an opening at the top for receiving material to be melted, and a system of heating flues fixedly mounted within and extending longitudinally of the receptacle for immersion in the molten material therein and having a burner opening at one end; a removable element closing normally an opening in the receptacle wall substantially opposite the burner end of the heating flues, a spigot located below the bottom of the flues and carried by said element, said spigot having a closure element rotatable over its inner end of lesser radius than the smallest dimension of said receptacle opening and adapted for discharge of molten material from the receptacle, and means manually operable exteriorly of the receptacle for detaching the element with the spigot as a unit from the receptacle to admit of introducing cleaning implements beneath said flues for contact therewith.

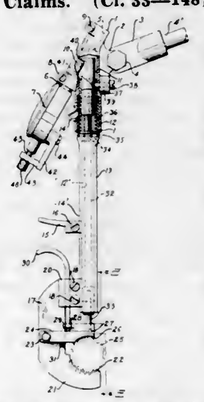
2,270,727
ELECTRICAL CONTACT
Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 9, 1939, Serial No. 278,208
3 Claims. (Cl. 200—165)

1. A contact shoe comprising, an elongated support having a pair of symmetrical recesses at opposite sides thereof and a linear raised abutment transverse to said support and intermediate of said recesses, a contact shoe adapted to engage said abutment and having two symmetrical rearward extensions, the inner end of said extensions being spaced to slidingly engage said recesses, another part of said extensions being spaced to slide over the end of said support and to engage a biasing spring, and a flat biasing spring interposed between said support and said extensions and provided with a curved abutment for engagement with said extensions to bias said shoe against said first named abutment and to permit it to oscillate thereabout and further to permit



said extensions to slide over the end of said support for removal therefrom upon compression of said spring.

2,270,728
GRINDING GAUGE
Shubel A. Foster, Ferndale, Mich.
Application May 3, 1940, Serial No. 333,213
3 Claims. (Cl. 33—148)



1. In a grinding gauge for cylindrical work, the combination of a caliper body having an integral work-engaging jaw projecting therefrom, a swingable work-engaging jaw hingedly projecting from said body in spaced relation from the first mentioned jaw, a tubular connector secured at one end to said caliper body, a transverse contact bearing on the outside of the movable jaw, a gauge rod axially movable in said connector and having a flat ended portion engaging said transverse contact bearing, resilient means continuously urging said gauge rod against said pin, to urge the swingable jaw toward the work, and mounting means on the remote end of said connector for mounting a conventional measuring indicator having a pressure-sensitive plunger in such position that said plunger will be operatively engaged by the remote end of said gauge rod to indicate the size of the work piece.

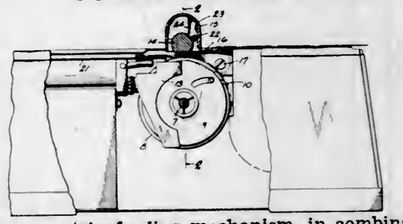
2,270,729
CLOSURE
Charles Geddes, Toronto, Ontario, Canada, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application February 20, 1939, Serial No. 257,467
In Canada February 24, 1938
2 Claims. (Cl. 215—43)

2. A sealed package comprising the combination of a container having a sealing surface at the upper part thereof and a screw thread below said sealing surface, a gasket on the sealing surface, a cover member seated on the gasket having an annular downwardly inclined surface at the upper part thereof for receiving the flange of a screw band clamping member and having an upwardly projecting central portion positioned inwardly with respect to said inclined surface, a screw band clamping member having a skirt portion cooperating with the screw thread on the container to secure the cover member to the container and having an annular inwardly extending holding flange at the upper part of said skirt portion forming a central opening and connected with the skirt by an uninterrupted annular arch portion, said flange having a relatively wide band



of radially extending narrow ribs extending inwardly from said arch portion inclined downwardly and lying against said inclined surface of the cover member to prevent upward curling of said flange due to sealing pressure, said flange having a relatively narrow uninterrupted cover contacting smooth band extending inwardly from the inner ends of said radial ribs and completely about the opening formed by said flange and inclined downwardly to lie against said inclined surface of the cover member and to prevent circumferential spreading of the radial ribs with respect to each other when the flange is subjected to sealing pressure, said upwardly projecting central portion of the cover member preventing contact of the hand of a user with the inner free edge of the narrow cover contacting smooth band.

2,270,730
FEED MECHANISM FOR AUTOGRAPHIC REGISTERS
Walter E. Gochnauer, Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application June 14, 1940, Serial No. 340,496
3 Claims. (Cl. 271—2.3)



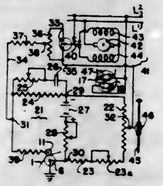
1. In a strip feeding mechanism, in combination, a rotary feed member, a feed roll cooperating with said member to grip the strip for feeding the same, a feed roll housing in which said feed roll is mounted for rotation and having a part with an inner surface opposing the periphery of said feed roll and converging downwardly therewith, means for mounting said roll housing for movement into operative position in which the roll cooperates in strip feeding relation with said rotary feed member and into inoperative position, a rotary checking member mounted within said roll housing and interposed between the periphery of said roll and said converging inner surface, and urged by gravity between the roll and said inner surface so as to be wedged therebetween to prevent retrograde feed roll movement, said rotary checking member being unattached and in free floating position within

said movable housing, and guiding and retaining members within said housing for guiding said checking member to checking position automatically when said roll housing is moved into operative position and for preventing displacement thereof from operative position.

2,270,731
RUBBER CEMENT AND METHOD OF MAKING THE SAME
Edwin O. Groskopf, Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application November 27, 1937, Serial No. 176,810
7 Claims. (Cl. 260—760)

1. A composition of matter suitable for use as an adhesive cement comprising a solution of rubber in a volatile solvent, said rubber having incorporated therein from about 3 to about 10% by weight of a water swollen powdered colloidal material whereby to render the composition sprayable without cobwebbing.

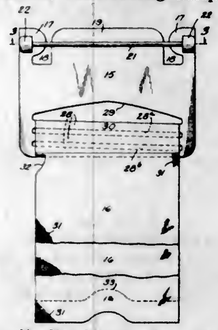
2,270,732
MEASURING AND CONTROL APPARATUS
Harry S. Jones, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1940, Serial No. 336,520
29 Claims. (Cl. 175—183)



2. The method of measuring the moisture content of a moving web the moisture content of the successive portions of which normally fluctuate in magnitude about an average value at a rate more rapid than the period of response of a measuring instrument utilized in the measurement of the value of the moisture content of said web comprising the steps of measuring the electrical conductivity of successive portions of said web, producing an effect in accordance with the average value of the electrical conductivity of the successive portions of said web during a predetermined time interval which time interval is of duration greater than the period of response of said measuring instrument, opposing said effect to a second effect, measuring the difference in magnitude between said first and second mentioned effects by means of said instrument, varying said second mentioned effect in accordance with the measurement of said instrument to reduce said difference substantially to zero, and measuring the magnitude of said second mentioned affect.

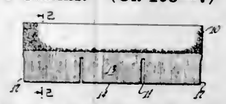
2,270,733
TRANSFER SHEET CONTROL
James Gordon Kerr, Washington, D. C., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application May 17, 1940, Serial No. 335,746
16 Claims. (Cl. 282—3)

9. In a transfer unit, in combination, a carrier sheet, a transfer sheet supported by said carrier sheet, a transverse stop bar attached at its opposite extremities to said carrier sheet, said stop bar including spaced stop blocks each having an outwardly disposed cylindrical surface for contacting in stop relation with a platen of a writing machine, each said stop block having an inwardly disposed flat bearing surface, substantially coincident with the center of said cylindrical surface, reinforcing strips attached to



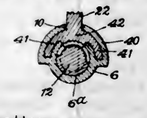
opposite longitudinal margins of said carrier sheet and being positioned at the surface of said carrier sheet along which the record strips pass and outside of the path of the latter so as to act as guides for said strips, and a guard member extending rearwardly from said carrier sheet adjacent to said stop bar and forming a strip guard adjacent to said bar.

2,270,734
SHINGLE AND LIKE MATERIAL
Lester Kirschbraun, New York, N. Y., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application April 11, 1941, Serial No. 388,007
5 Claims. (Cl. 108—7)



1. A shingle or like element for exposure to the weather, comprising a base and a weather-protective bituminous coating layer on the face thereof intended to be exposed to the weather, said coating layer having affixed thereto on at least that portion of the area of the base which is intended to be exposed to the weather in use, a layer of asbestos paper impregnated with a substantially insoluble metallic silicate.

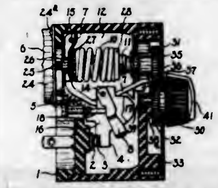
2,270,735
SCREW AND NUT GEARING
Richard R. Knudsen, Chicago, Ill.
Application September 13, 1940, Serial No. 356,605
3 Claims. (Cl. 74—424.8)



1. In combination, a worm, an inclined tube surrounding and supporting said worm, a nut including a threaded portion in mesh with one side of said worm, and a portion in bearing engagement with the opposed bearing portion of said tube, and a supporting extension extending outwardly from said nut, said tube having a

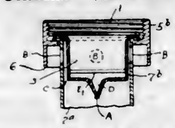
longitudinal gap extending substantially from end to end thereof, through which said extension extends.

2,270,736
CIRCUIT CONTROLLING DEVICE
Clarence W. Kuhn and Robert O. Perrine, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 15, 1939, Serial No. 304,626
4 Claims. (Cl. 200—140)



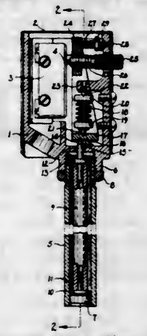
1. The combination with a temperature responsive refrigerator control switch including a loading spring and a screw for adjusting said spring to vary the temperature setting of said switch, said screw being movable within a given cold control range for selection of refrigerating temperatures and being movable to a point beyond said range to provide a relatively high defrosting temperature, a rotatable manual adjusting knob for said screw, and a gear drive between said knob and said screw, said gear drive being of varying pitch radius to render the ratio of movement of said knob with respect to said screw greater than unity for movement of said screw through its cold control range, and less than unity for movement of said screw beyond said cold control range into defrosting position.

2,270,737
SIPHON BREAKER AND VALVE
Jesse D. Langdon, Los Angeles, Calif.
Application July 26, 1940, Serial No. 347,673
3 Claims. (Cl. 137—69)



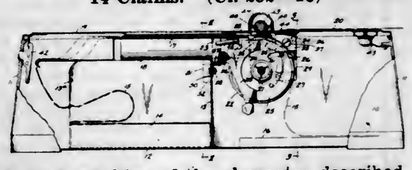
1. A vacuum breaker and valve device comprising, a flanged tubular casing having ports in the wall thereof, and forming an outlet, a coupling nut forming an inlet having an inwardly extended shoulder for engaging beneath the flange of the tubular casing, a flexible tube having a flange resting on the shoulder of the tubular casing and supporting said flexible tube in spaced relation to and opposite said ports of the tubular casing, a flexible diaphragm disposed transversely of the passage of said flexible tube for obstructing flow of pressure fluid in one direction sufficiently to urge the wall thereof into closing relation with said ports, the flexible material of said device providing opposed parallel lips extending toward the outlet and having opposed side walls of sufficient area greater than that presented by the distal end of said lips whereby the walls of said lips are urged toward one another to resist reversal of said lips and flexible tube by atmospheric pressure when a vacuum is formed on the inlet side of the device, a bar element disposed transversely of said flexible tube and lips to further resist the reversal thereof.

2,270,738
THERMOSTATIC APPARATUS
Edwin N. Lightfoot, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 13, 1939, Serial No. 256,240
8 Claims. (Cl. 200—137)



1. In a thermostatic switch the combination of a base, an electric switch mounted on said base and having an actuator to operate the switch, a lever for operating said actuator, an adjustable abutment for said actuator on said lever, two suporting points on said base, two parallel thermoresponsive rods having different temperature coefficients of expansion and having one of their respective ends joined together, the other end of one of said rods being adjustably attached to said base, a third supporting point at the other end of said other rod, said supporting points being arranged in a triangle whose plane is substantially normal to said rods, a lever having bearing surfaces for said points, each of the surfaces forming with the respective point an open pivotal bearing, and a spring between said base and said lever and applying to the latter a biasing force in a direction substantially parallel with said rods and passing through said triangle to bias said lever toward said points.

2,270,739
AUTOGRAPHIC REGISTER
Charles J. Manuel, Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application June 14, 1940, Serial No. 340,506
14 Claims. (Cl. 282—16)



6. In a machine of the character described, in combination, a feed roll carrier, means movably mounting said carrier on the machine for movement to and from operative position, a forward and a rearward cover for said machine, connections pivotally mounting each said cover on said movable feed roll carrier, a casing for said machine, a pair of interior brackets connected to and supported respectively by the opposite casing walls, supporting arms connected to and included in the said mounting means for said roll carrier and respectively pivoted to said brackets, a feed roll mounted on said carrier, a rotary feed shaft having feed disks cooperating in strip

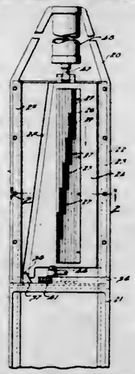
feeding relation with said feed roll, and bearings attached to said brackets for rotatably mounting said feed shaft.

2,270,740
ELECTRICAL CAPACITOR
William M. Robinson, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application July 13, 1939, Serial No. 284,152
4 Claims. (Cl. 175—315)



1. In a paper capacitor, a convolute capacitor body consisting of metallic and paper strips wound into a roll, a protective cardboard casing enveloping said capacitor body, and a layer of asbestos completely covering the outer surface of said cardboard casing, and a layer of non-inflammable varnish affixing said asbestos layer to said casing.

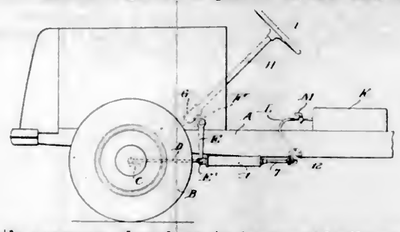
2,270,741
MACHINE AND TOOL FOR FINISHING GEARS
John D. Rovick, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application April 7, 1938, Serial No. 200,690
6 Claims. (Cl. 90—8)



1. In a machine for broaching teeth on a gear, the combination with a base, a broach having teeth thereon for generating teeth on a gear blank when rolled thereacross, means for mounting a gear blank relative to the broach, means synchronized with the broach for rolling the blank across the teeth thereof during the stroke of the broach, for machining a portion of the teeth thereon, means for moving the broach out of the path of engagement with the edge of the blank, means for returning the broach to its initial position, and means for returning the blank to its initial position while retaining it against a rotational movement, means for returning the broach into the path of engagement with the edge of the blank, whereby after a number of strokes of the broach the entire peripheral edge of the blank has been machined.

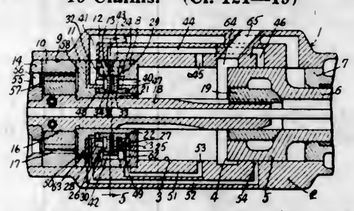
2,270,742
FLUID PRESSURE ACTUATING MECHANISM
Henry J. Schneider and Leon G. Simpson, Rochester, N. Y., assignors to Schneider Lamont, Inc., Rochester, N. Y., a corporation of New York
Application December 3, 1940, Serial No. 368,368
11 Claims. (Cl. 121—38)

9. In a fluid pressure actuator, the combination with a pneumatic couple comprising a movable cylinder and a relatively fixed two headed piston therein with an exhaust chamber between the piston heads communicating with the atmosphere, there being a pressure chamber between each piston head and the adjacent head of the cylinder, of a valve member extending longitudinally through both piston heads and into



both pressure chambers to be secondarily operated by pressure built up in either, means under control of the valve member for supplying pressure to either pressure chamber, the valve member being provided with ports adapted to concomitantly exhaust the other pressure chamber into the piston chamber, and means for primarily moving the valve.

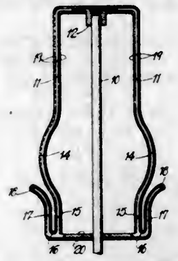
2,270,743
PRESSURE FLUID MOTOR
Frank E. Sinclair, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 16, 1940, Serial No. 345,793
19 Claims. (Cl. 121—19)



1. In a pressure fluid motor, a cylinder having a bore, a piston reciprocable in said bore, and fluid distribution means for supplying pressure fluid to the cylinder bore to effect reciprocation of said piston including means providing a valve chamber, relatively movable fluid distributing valves arranged in said valve chamber, a pressure fluid supply, said valves respectively controlling the flow of fluid from said supply to the opposite ends of the cylinder bore, said valves having pairs of opposed pressure areas, and means for shifting said valves into their different operating positions including means for subjecting simultaneously one of said pairs of opposed pressure areas to piston-controlled cylinder pressure and means for subjecting the other pair of said opposed pressure areas in alternation to piston-controlled reduced pressure.

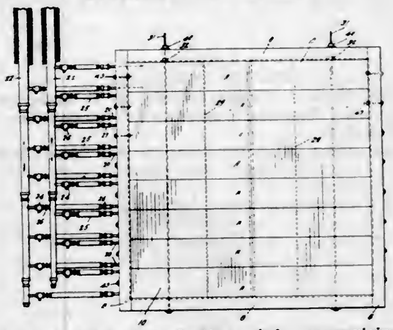
2,270,744
POLISHING DEVICE
Harry Singer, New York, N. Y.
Application August 26, 1939, Serial No. 292,052
1 Claim. (Cl. 15—213)

A polishing device of the character described comprising a plurality of flexible arms adapted to flex inwardly under pressure of a drinking glass being forced downwardly thereon, said flexible arms bowing outwardly approximately midway and returning to parallelism towards the outer ends thereof adapted to fit the bulbous portion of the glass, said arms turning upwardly and outwardly at their lower ends terminating at approximately the lower part of the arms where



bowed and then flaring outwardly therefrom adapted to receive and snugly engage the rim and outer margin of the glass next the rim, and said arms each having a polishing element for engaging the interior of the glass and the exterior of the glass where engaged by the upwardly and outwardly extending portions of said arms.

2,270,745
SKATING RINK
Newton Taylor Todd, Indianapolis, Ind.
Application July 24, 1940, Serial No. 347,106
11 Claims. (Cl. 62—12)



1. A portable ice skating rink, comprising a plurality of horizontal panels; each of said panels including an elongated plane top plate of sheet-metal, a bottom plate of sheet metal formed with an upwardly opening retroverted channel and received beneath said top plate whereby the lower surface of the top plate and the walls of said channel define a continuous retroverted fluid passage, the side and end edges of said top plate being bent to form flanges extending downwardly past the bottom wall of said passage, and heat-insulating material substantially filling the space between the bottom plate and the lower edges of said flanges; means for holding said panels together with their upper surfaces coplanar and the flanges at the sides of successive panels abutting; supply and return headers for a cooling fluid; means for connecting the ends of the passage in each panel to said headers, respectively; and a border frame surrounding said row of panels, said border frame including a member overlying the upper surfaces of the panels at the edges of the panel row to define the edges of an ice-sheet formed by water sprayed on the coplanar upper surfaces of said panels and frozen by cooling fluid circulated through said passages.

2,270,746
COLOR PHOTOGRAPHY
Charles W. Wyckoff, Shaker Heights, Ohio
Application March 13, 1939, Serial No. 261,468
9 Claims. (Cl. 95—2)

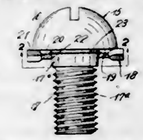


1. The process of photographically producing images in natural color upon an opaque support which includes the successive steps of printing an image in natural color upon a sensitized film or plate beneath a screen having a geometric pattern composed of minute areas colored in the primary colors, processing said film or plate after exposure to produce a positive having recorded thereon monochromatic color value areas corresponding to the form of the image, printing said film or plate upon a film having a light sensitive emulsion containing a finely divided white substance, developing said film to remove the unexposed portion of the emulsion and leave a white negative image, and superimposing said film in a selected position on a support having thereon the colors arranged in a geometric pattern identical with the pattern of the taking screen but in colors complementary thereto, and securing said film and support together in registered position.

2,270,747
CEMENT-ASBESTOS INSULATING MATERIAL AND PROCESS OF IMPROVING THE SAME
Nicholas F. Arone, Trenton, N. J., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 31, 1940, Serial No. 349,010
5 Claims. (Cl. 18—48)

1. The process which comprises subjecting bonded asbestos insulating materials to the action of a reducing atmosphere at a temperature between 350° and 600° C.

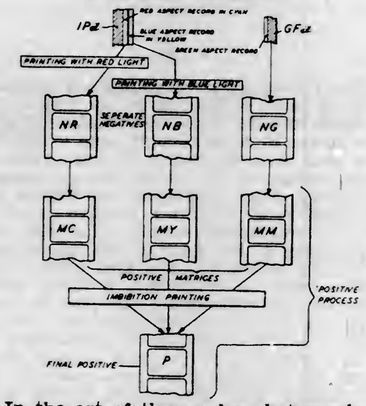
2,270,748
SCREW AND LOCK WASHER ASSEMBLY
Charles W. Baker, Shaker Heights, Ohio, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1940, Serial No. 322,369
12 Claims. (Cl. 10—10)



3. The method of making a screw and lock washer assembly which comprises forming a headed screw with an unthreaded stem portion adjacent the head of larger mean diameter than the outside diameter of the threaded portion,

providing a hardened lock washer with an opening larger than the outside diameter of said threaded portion and slightly smaller than the diameter of said unthreaded portion, and forcing the washer axially onto said unthreaded portion to mount the same thereon.

2,270,749
COLOR PHOTOGRAPHY
Joseph A. Ball, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application February 27, 1939, Serial No. 258,678
2 Claims. (Cl. 95—2)

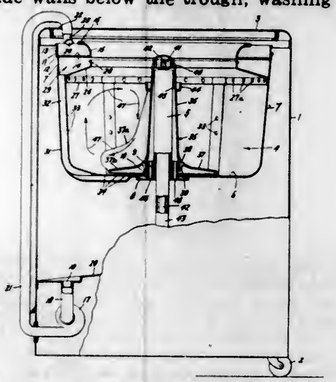


1. In the art of three color photography the method of producing color separation records involving the step of printing with light of selective color from superposed records in subtractive dyes, which may absorb light properly to be absorbed only by other records, which comprises dividing an image bearing light beam into two component beams, recording with one component beam the blue and red color aspects on two emulsion components superimposed upon a single support in yellow and cyan dyes, respectively, recording with the other component beam the green color aspect on a third emulsion upon a second separate support, reproducing said blue and red records by printing the respective component records on distinct emulsion layers with blue and red light, respectively, and printing said green record, undesired absorption of green printing light by the cyan record or of blue printing light by the magenta record, being in this manner substantially reduced.

2,270,750
WASHING MACHINE
Herbert F. Bariffi, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application February 29, 1940, Serial No. 321,505
9 Claims. (Cl. 68—18)

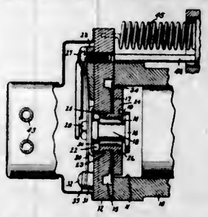
3. In a washing machine, a tub for receiving liquid and clothes to be washed, a filter draining to the tub, nozzles discharging streams of liquid in opposite directions tangential to and directly against the upper surface of the filter, washing means for agitating the liquid and clothes in the tub, and means for withdrawing liquid from the tub during washing and discharging the withdrawn liquid through said nozzles.

5. In a washing machine, a rotatable tub for receiving clothes to be washed and centrifugally dried, said tub being mounted on a vertical axis and having liquid retaining side walls, a guard ring within the side walls and cooperating therewith to provide a trough, a filter on the tub draining to the trough, overflow openings in the tub side walls below the trough, washing means



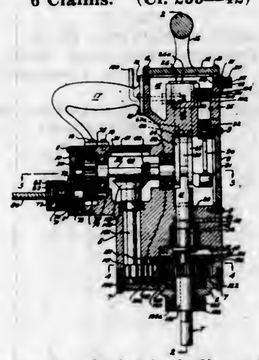
for agitating the liquid and clothes in the tub, means for withdrawing liquid from adjacent the surface of the liquid in the tub during washing and discharging the withdrawn liquid onto the filter, and means providing a passage from said trough to the inside of the tub below said openings.

2,270,751
VALVE ASSEMBLY
Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1939, Serial No. 279,498
2 Claims. (Cl. 230—231)



1. In a valve assembly for a working fluid compressor cylinder of the type including a valve plate having a port therethrough for the passage of a working fluid, a valve seat surrounding said port and disposed on the side of said plate presented toward said cylinder, means for closing said port including a valve arranged to seat on said valve seat, a valve stem, one end of said stem being secured to said valve, the other end of said stem extending through said port but out of contact therewith, and means for urging said stem and said valve in a direction to maintain said port closed, said means including an elongated relatively flat spring located on the side of said plate remote from the cylinder and secured intermediate its ends to said stem on the remote side of said plate, means for supporting and securing said spring at one end on said plate in spaced relation thereto, and means at the other end of said spring for maintaining said spring in substantially parallel spaced relation with respect to said remote side of said plate in the closed position of said valve, and means held between the stem and said spring intermediate the ends thereof for engaging said remote side of said plate after a predetermined movement of said valve in the valve opening direction, thereby limiting said movement of said valve spring.

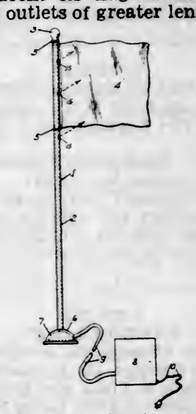
2,270,752
PERCUSSION DEVICE
William M. Drennon, Anaheim, Calif., assignor of one-third to Collins Mason, Beverly Hills, Calif.
Application September 11, 1939, Serial No. 294,239
6 Claims. (Cl. 255—42)



1. A percussion device including a body having a cylinder bore therein and a fluid pressure chamber communicating with the bore, a piston slidably mounted in the bore, a drive shaft in the body, cam means on the shaft, said cam means cooperating with the piston to raise the same in the cylinder and disengage therefrom at a predetermined point in its travel to permit the fluid pressure within the chamber to force the piston downwardly, an anvil member engageable by the lower end of the piston, a rotatable member journalled in the body for slidably supporting a percussion tool, means operably connecting said rotatable member with said drive shaft whereby rotation of the drive shaft imparts rotation to the said rotatable member, a pump cylinder bore in the body, a pump plunger slidably mounted in the said latter bore, reciprocating means connected at one end to the drive shaft and at its other end to the pump plunger, a valve in the pump cylinder bore between the pump plunger and the fluid pressure chamber, said valve being operable by the up-stroke of the pump plunger to permit fluid to pass from the pump cylinder bore into the chamber, spring means automatically closing said valve as the pump plunger begins its downward stroke, and a fluid inlet port communicating with the pump cylinder bore at a point above the upper end of the pump plunger when said plunger is in its lowermost position in the cylinder bore.

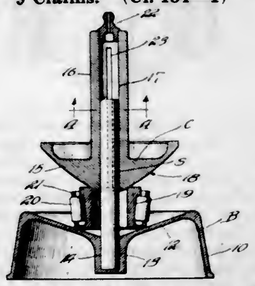
2,270,753
FLAG FLIER
Maurice P. Fikes, Exeter Township, Berks County, Pa., assignor of one-half to Herbert W. S. Gehrke, Bern Township, Pa.
Application July 23, 1940, Serial No. 346,914
2 Claims. (Cl. 116—173)

1. A flag flier device comprising a tubular pole, and means for longitudinally attaching thereto an edge of a radially swingable flag, said pole having a top closure forming a longitudinal air chamber therein, and its lower position adapted for connection to means for maintaining air under compression in said chamber, the wall of said chamber adjacent its flag-attached end being provided with outlets of greater length than their



diameters, and relatively transversely spaced and upwardly inclined to discharge jets of compressed air on opposite sides of the attached flag.

2,270,754
BEARING PACKER
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application November 4, 1940, Serial No. 364,258
9 Claims. (Cl. 184—1)



1. In a bearing packer apparatus, a seat affording a support for a bearing to be lubricated, a guide stem extending upwardly therefrom through the bearing, means slidable on said guide stem for closing the end of the bearing remote from said seat, said means including a conduit in communication with a lubricant dispenser providing a source of lubricant under pressure remote from the seat, said means being adapted to clamp the bearing in cooperative relation with the seat under pressure of said lubricant dispenser against said means.

2,270,755
SULPHONIC ACIDS OF AMIDINES
William H. Hill, Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 21, 1940, Serial No. 371,208
6 Claims. (Cl. 260—500)

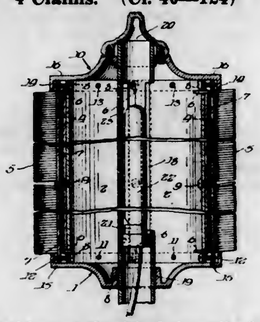
1. The method which comprises heating a substance chosen from the group consisting of guanidine sulphamate, substituted guanidine sulphamates, guanyl urea sulphamate and substi-

tuted guanyl urea sulphamates to a temperature sufficient to evolve ammonia and recovering the corresponding sulphonic acid.

2,270,756
COLORING COMPOSITION
Jean G. Kern, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application February 25, 1939, Serial No. 258,574
22 Claims. (Cl. 8—40)

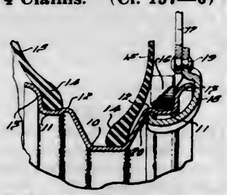
10. A composition for coloring comprising an organic coloring material containing at least one solubilizing group in the molecule, and a xanthinic base.

2,270,757
CARD HOLDER
William F. Liska, Chicago, Ill., assignor to Holland Brass Works, Chicago, Ill., a copartnership consisting of Frank B. Liska and William F. Liska
Application June 9, 1939, Serial No. 278,290
4 Claims. (Cl. 40—124)



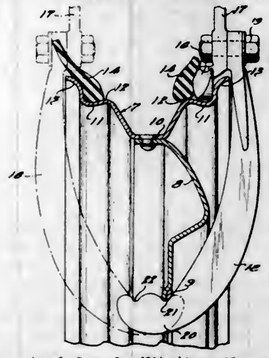
1. In a holder of the kind described, the combination of a base member and a cover member, a plurality of separate side walls extending between said members, and a plurality of coil springs, the ends of each spring being secured to a respective side wall adjacent a longitudinal edge of the latter, with the individual coils of the spring extending transversely thereto, and means for maintaining the coils in operative position.

2,270,758
TIRE REMOVING TOOL
George M. Meinzinger, Rockwood, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 31, 1939, Serial No. 287,429
4 Claims. (Cl. 157—6)



2. In a tool for facilitating the removal of a pneumatic tire from a wheel assembly including a rim having a side wall and a ridge adjacent thereto providing therebetween a tire bead receiving trough; a clamp engageable with said wheel assembly, an operating lever secured to said clamp for relative movement therebetween about an axis, and an arcuately shaped share rigid with said lever for rotary movement thereby to effect wedging entrance between the rim side wall and tire for forcing the tire bead out of said trough, said axis being disposed at the center of curvature of said share, said share including a relatively thin entering end portion adapted to facilitate initial entrance of said share between said side wall and tire and increasing in thickness in a direction circumferentially thereof from said relatively thin end portion to form a relatively thick trailing end portion.

2,270,759
TIRE REMOVING TOOL
George M. Meinzinger, Rockwood, Mich., assignor to Ball & Ball Carburetor Company, Detroit, Mich., a partnership
Application July 1, 1940, Serial No. 343,314
2 Claims. (Cl. 157—6)

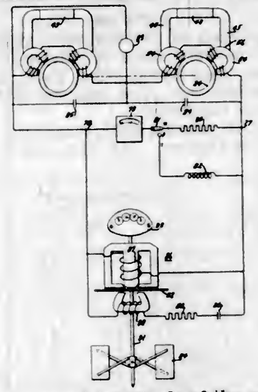


1. In a tool for facilitating the removal of a pneumatic tire from a wheel assembly including a rim having a drop-center portion, oppositely disposed side walls and a tire bead receiving trough intermediate said drop-center portion and each of said side walls, and a disk-like center part having a centrally apertured portion offset laterally with respect to said drop-center portion; a tire bead engaging share adapted to effect wedging entrance between the inner surface of a rim side wall and an outer surface of the tire for engagement with the adjacent bead whereby the latter is forced out of its trough and into said drop-center portion; a lever for actuating said share, a pivotally movable clamp adapted to extend radially inwardly with respect to said assembly and having a hook portion adapted to extend into the aperture of said center part, said hook having two recesses spaced in an axial direction for selectively receiving an edge portion of the wall bounding the aperture of said center part whereby said tool may be selectively anchored with respect to either side of said wheel assembly.

2,270,760
TRANSMISSION DYNAMOMETER
Alfred V. Mershon, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1939, Serial No. 297,313
2 Claims. (Cl. 265—25)

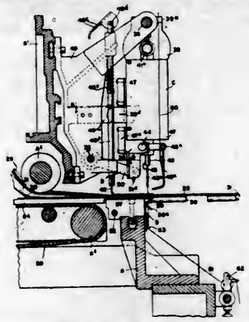
2. In a transmission dynamometer for determining the torsional deflection under all conditions of load between two axially spaced points of a rotating shaft employed for transmitting power to a load, means including two alternating

current generators for producing two voltages whose phase displacement varies in accordance with the twist in the shaft between said points, one of the alternating current terminals of one of said generators being connected to one of the



alternating current terminals of the other of said generators, and means connected to the other terminals of said generators for measuring the phase displacement between said voltages, said means including an electrical instrument and an inductance element connected in series.

2,270,761
SEWING MECHANISM
Allister S. Mitchell, Troy Township, Oakland County, Harold M. Ratley, Highland Park, and Clarence J. Davies, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Original application July 2, 1937, Serial No. 151,726. Divided and this application August 17, 1939, Serial No. 290,686
29 Claims. (Cl. 112—198)

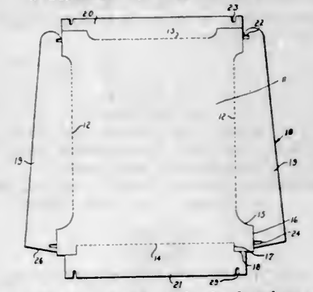


1. In a machine of the character set forth, a sewing-head comprising: a frame; an upwardly reciprocating rack gear in said frame provided at its lower end with a sewing-needle; a jack-shaft journalled in the frame and provided with a fixed gear in engagement with said rack, said shaft being further provided with a threaded shank portion; a driving bell-crank pivotally mounted in said jack-shaft, means for driving one end of said crank in timed relation to the movement of the rack, the other end of the crank carrying a supporting shaft disposed in parallel relation to the jack-shaft; and a looper bell-crank pivotally and shiftably mounted on said supporting shaft, one arm of said looper-crank carrying a looper-needle and the other arm making threaded engagement with the threaded shank portion of the jack-shaft whereby the looper bell-crank will be shifted bodily in timed relation to the movement of the rack.

2,270,762
COLD ROLLED SILICON STEEL STRIP
Weston Morrill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 31, 1939, Serial No. 253,804
9 Claims. (Cl. 148—12)

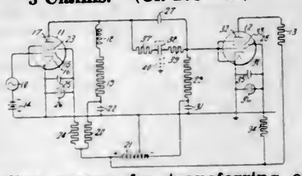
1. In cold rolling silicon steel strip, the step which comprises maintaining the temperature of the steel within the range of 20° C. to —30° C. during the rolling operation.

2,270,763
DISPLAY CARD
Jay C. Nofziger, Los Angeles, Calif.
Application August 6, 1940, Serial No. 351,581
5 Claims. (Cl. 40—124.1)



1. In a display panel, a body having a score line adjacent to the top, bottom and each side thereof to define edge portions, the opposed score lines being parallel, said body having an outwardly directed slit at each end of the score lines, a straight slit extending from the end of each of said outwardly directed slits and being arranged parallel to the adjacent score line, each edge portion being foldable along its score line to define a flap and each outwardly directed slit and its associated straight slit defining a tongue, said tongues being on the flaps, said tongues at each corner of the body overlapping and being disposed in planes arranged at right angles to each other, the overlapping tongues including interlocking slots.

2,270,764
AMPLIFIER COUPLING CIRCUIT
Donald E. Norgaard, Cohoes, N. Y., assignor to General Electric Company, a corporation of New York
Application April 5, 1940, Serial No. 328,045
5 Claims. (Cl. 178—44)



4. Coupling means for transferring a signal represented by the intensity of a current from

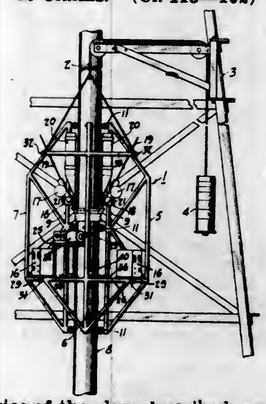
an input terminal to an output terminal on which said signal is represented by a voltage, said signal having frequency components within a predetermined band of frequencies, and said terminals being at different continuous potentials, said coupling means comprising a small condenser connected between said terminals, a large condenser connected in a shunt circuit around said small condenser, said large condenser having substantial stray capacity tending to reduce transmission of high frequency components through said condensers, and decoupling means in said shunt circuit on each side of said large condenser for decoupling said stray capacity from said small condenser at high frequencies within said predetermined band to maintain transmission of said signal substantially unaffected by said stray capacity, said coupling means being effective to transmit said signal through said condensers so that the phase shift between variations of said input current and corresponding variations of said output voltage is not proportional to frequency, and means for producing an additional phase shift in said output voltage complementary to said first phase shift through said coupling means so that the overall phase shift between said input current and said output voltage is substantially proportional to frequency.

2,270,765
SPARK PLUG
Edward B. Nowosielski, Bloomfield, N. J., assignor to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application July 18, 1940, Serial No. 346,115
10 Claims. (Cl. 123—169)



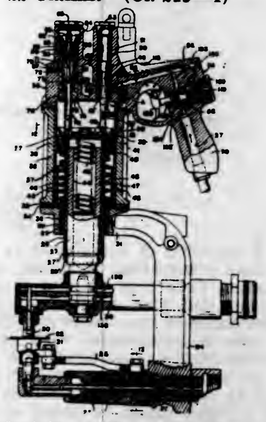
1. A spark plug including a shell externally threaded at one end for screwing into an engine cylinder and internally threaded at its opposite end to receive a gland, and further having an annular seat adjacent the inner end of said internal threads, a ceramic insulator, a central electrode cemented longitudinally of its length within the insulator and having its cable end terminating near the end of the insulator, a sleeve cemented to the exterior surface of said insulator, the sleeve having a flange to engage said seat in the shell, an elongated gland threaded at one end to engage the internally threaded end of the shell, this end of the gland acting to apply pressure to the flange of said sleeve, a tubular insulator and a metallic tube positioned, the first-mentioned within the second, and both carried within the gland and for substantially its full length and encompassing the central electrode insulator for a considerable distance, and ground electrodes carried by the shell in operative relation to the central electrode.

2,270,766
WELD HEAD SUPPORT AND ALIGNING DEVICE FOR WELDING
Firth Pierce, East Los Angeles, Calif., assignor to U. C. Murcell, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1939, Serial No. 284,485
10 Claims. (Cl. 113—102)



1. A device of the class described, comprising a frame having means for clamping vertically disposed casing joints to hold the same in alignment for welding, and means mounted on said frame and engaging the casing for rotating said frame bodily relative to the casing.

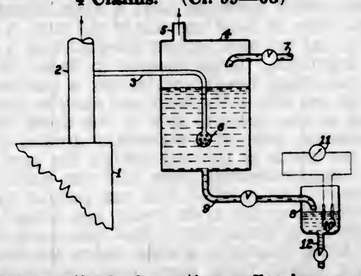
2,270,767
WELDING EQUIPMENT
Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1940, Serial No. 316,241
22 Claims. (Cl. 219—4)



1. In an electric welding apparatus, a pair of relatively movable electrodes cooperating with each other to clamp the work to be welded therebetween and arranged in an electric circuit, a switch in said circuit, fluid pressure actuated

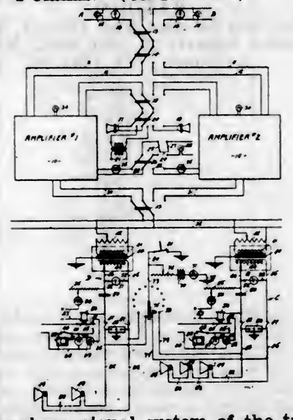
means for relatively moving the electrodes into engagement with the work, means controlling the pressure applied to the electrode moving means and operable upon engagement of the electrodes with the work to increase the pressure to a predetermined maximum value, and means controlled by the fluid pressure applied to the electrode moving means for operating the switch to successively close and open the circuit to the electrodes during the rise in pressure to said maximum value.

2,270,768
ANALYTIC ROASTING CONTROL AND METHOD
Herbert S. Polin, New York, N. Y., and Joseph F. Aims, Teaneck, N. J., assignors to The Great Atlantic and Pacific Tea Company, a corporation of New Jersey
Application July 29, 1939, Serial No. 287,264
4 Claims. (Cl. 99—68)



1. The method of treating coffee beans or the like to prepare same for production of beverage having optimum flavor, consisting in roasting the beans to expel part of their ingredients in the form of gases, concurrently testing such gases to determine the rate of expulsion of acid gases, and terminating the roasting when such gas testing reveals that the rate of expulsion of acid gases greatly increases.

2,270,769
SIGNAL SYSTEM
Harold O. Quick, Syracuse, N. Y.
Application April 26, 1939, Serial No. 270,181
4 Claims. (Cl. 177—311)

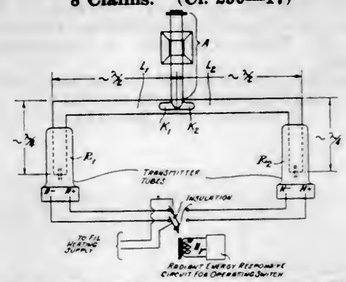


4. A fire alarm signal system of the type described comprising a voice current amplifier located at the central station and having an output circuit for the transmission of voice signals, said output circuit extending to a plurality of fire stations, a loud speaker arranged in each of said fire stations and said speakers being connected in series in said circuit, a condenser connected in one leg of said output circuit, an indicating circuit connected in shunt with said condenser and being connected to a source of direct current, a variable resistance connected in said indicating circuit and operable to vary the current flowing therein, said indicating circuit also including a milliammeter operable to indicate at all times the direct current flowing in said indicating circuit and said output circuit without interference with the transmission of voice signals over said output circuit.

2,270,770
FOUNDRY MOLD WASH
Philip A. Ray, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1939, Serial No. 303,817
3 Claims. (Cl. 22—189)

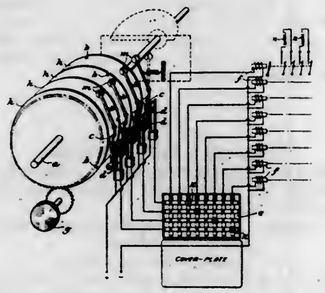
1. A foundry mold and core wash composition essentially comprising a finely-divided refractory material, a finely-divided substantially gasoline-insoluble resin derived from pine wood, and a volatile liquid suspending medium, said refractory material and suspending medium being present in such relative proportions that the composition is in fluid form, and said resin being present in an amount representing between about 1 and about 10 per cent by weight of the entire composition.

2,270,771
HIGH FREQUENCY OSCILLATION GENERATOR
Wilhelm Schonfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Zehlendorf, Osteweg, Germany, a corporation of Germany
Application October 31, 1940, Serial No. 363,617
In Germany September 18, 1939
8 Claims. (Cl. 250—17)



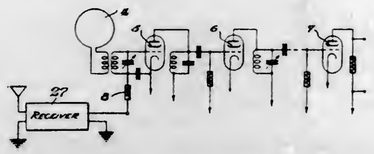
4. In combination, a first source of ultra high frequency waves, a second source of ultra high frequency waves of the same frequency, a transmission line, a utilization circuit coupled to said line, an energizing circuit for effectively energizing only one of said sources at a time, and separate means permanently coupling each of said sources to the same location on said line, said separate means being so arranged and having such effective lengths relative to the length of the communication wave corresponding to said same frequency that when one of said sources is energized the other does not affect the constants of said transmission line.

2,270,772
TUNING MECHANISM FOR MULTIBAND RECEIVERS
Heinrich Schröder, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 16, 1940, Serial No. 345,736
In Germany January 18, 1939
5 Claims. (Cl. 250—40)



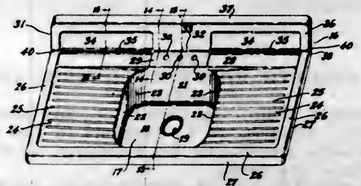
1. In a multi-band receiver, a variable tuning reactor, a plurality of fixed reactors each corresponding to one of a plurality of wave bands to which the receiver is adapted to respond, means for adjusting the tuning reactor, a plurality of discs, each having a peripheral notch, movable with and under control of said adjusting means, separate means cooperating with said discs and adapted to engage the peripheral notches for arresting said tuning reactor at predetermined positions, and means including switch means actuated by the arrester means at said predetermined positions to select a predetermined one of the fixed reactors.

2,270,773
IMPULSE DIRECTION FINDER
Theodor Sonnentag, Berlin, Albert Schairer, Berlin-Tempelhof, and Günther Ulbricht, Blankenfelde-Mahlow, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 8, 1938, Serial No. 194,554
In Germany March 25, 1937
8 Claims. (Cl. 250—11)



5. In a direction finding system of the impulse type, a receiver having a radio frequency rectifier which is initially receptive to receive signal impulses, means responsive to a first received signal impulse for producing a control impulse, means for applying said control impulse to said rectifier to make said rectifier nonresponsive to a subsequent signal impulse arriving within a predetermined time after said first signal impulse, and means for removing said control impulse before the arrival of a third signal impulse after said predetermined time.

2,270,774
SINK AND THE LIKE
Jacques Stanitz, Warren, Ohio, assignor, by mesne assignments, to Steel Plumbing Wares, Inc., Detroit, Mich., a corporation of Michigan
Original application June 29, 1936, Serial No. 87,846, now Patent No. 2,121,672, dated June 21, 1938. Divided and this application May 6, 1938, Serial No. 206,407
4 Claims. (Cl. 4—187)



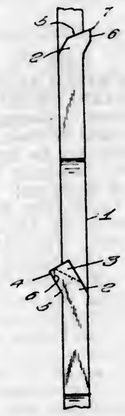
1. A stamped and drawn sheet metal sink including a fluid receiving bowl, a drain board extending from at least one side of the bowl, a continuous flat top rim formed integrally as a part of a depending flange located in front of the bowl and drain board and having a portion located at one side of the bowl and another portion located at the opposite side of the drain board, a horizontal ledge of a materially greater width than the width of the rim behind the bowl and drain board extending from said rim portion at one side of the bowl to said rim portion at the opposite side of the drain board, said ledge being located in a plane below the rim, said drain board being located in a plane below the rim, an integral splash back bent integrally upwardly from the rear of the ledge and extending the entire length of the ledge and the entire width of the rim at each end of the ledge, a flange disposed rearwardly of said splash back around the sides and top of the splash back, the rearwardly disposed flange portions at the sides of the splash back being located respectively in coplanar continuation of the depending flange portions at said one side of the bowl and the opposite side of the drain board, and an inturned flange extending from said depending and rearwardly disposed flanges.

2,270,775
HANDBAG
Bernard Stember, East Orange, N. J.
Application January 29, 1941, Serial No. 376,443
3 Claims. (Cl. 150—36)



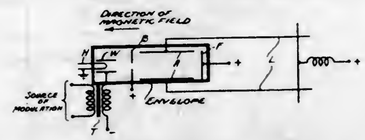
1. A handbag including a bag body having a main pocket having a top opening, an inverted generally U-shaped folded means forming a part of the bag body and having one arm thereof free for upward movement in unfolding said means, the latter having a secret pocket therein having an opening at the lower end of the free arm, and a releasable closure for said opening, said means comprising an auxiliary pocket located solely in the free arm thereof, said auxiliary pocket having an opening at the top of the fold of said means.

2,270,776
SAW
Samuel E. Thornton, Coeur d'Alene, Idaho
Application June 3, 1940, Serial No. 338,637
1 Claim. (Cl. 143—133)



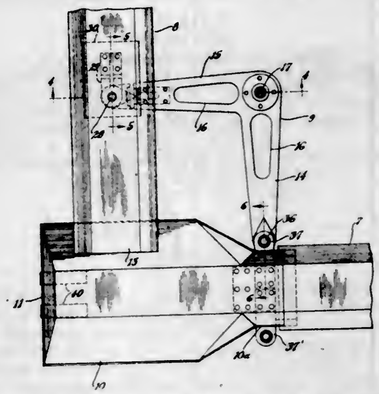
A saw comprising a blade having teeth along a marginal edge thereof, said teeth having forward portions only bent transversely to project alternate teeth diagonally from opposite side faces of the blade, and the front portion of each tooth having inner and outer side faces and a front face extending diagonally of the tooth from its inner side face toward its outer side, the outer side face having its front edge portion beveled and extending parallel to the adjacent side face of the blade and intersecting the outer side edge of the front face to provide a cutting edge sharpened for substantially the full depth of the tooth.

2,270,777
ULTRA SHORT WAVE ELECTRON DISCHARGE DEVICE SYSTEM
Hans Jacob Ritter von Baeyer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 3, 1940, Serial No. 343,757
In Germany April 6, 1939
7 Claims. (Cl. 179—171.5)



1. An ultra short wave electron discharge device system comprising an evacuated container containing therein in the order named a cathode for producing a stream of electrons, a focussing shield for said cathode, an electrode having a central aperture for the passage of electrons therethrough, a pair of anode segments, and a collector electrode, a load in the form of an oscillatory circuit connected to said pair of anodes for deriving energy from said system, means for maintaining said focussing shield at a negative potential relative to said cathode, and a source of modulation potential coupled to said shield.

2,270,778
CONVEYER ANGLE TURN CONSTRUCTION
Charles N. Bebinger, New Philadelphia, Ohio, assignor to La-Del Conveyor & Manufacturing Company, New Philadelphia, Ohio, a corporation of Ohio
Application October 31, 1940, Serial No. 363,603
10 Claims. (Cl. 198—220)



1. Turn construction for a shaker conveyer including a widened driving trough and an overlapping driven trough extending at an angle thereto, said driving trough having a portion of reduced width at its delivery end, an anchoring member spaced from said troughs, a bell crank universally journaled on said anchoring member and having two arms extending angularly therefrom, means universally pivotally connecting one of said arms to the underside of said driven trough, means on said one arm adjacent said driven trough for independently supporting said arm, and means universally pivotally connecting the other of said arms to the side of the reduced portion of said driving trough, and means for independently supporting said driving trough, the widened portion of said driving trough being of such length as to provide for substantial variation in the angle of the driven trough overlapping said portion.

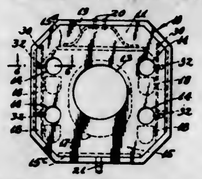
2,270,779
PROCESS OF OXIDIZING A HYDROCARBON
Ernst Berl, Pittsburgh, Pa., assignor to Berl Chemical Corporation, a corporation of Delaware
No Drawing. Application February 7, 1938, Serial No. 189,277. In Great Britain February 25, 1937
5 Claims. (Cl. 260—603)

1. A process for carrying out a controlled partial oxidation of an exothermically oxidizable hydrocarbon compound in the vapor phase by means of a gas comprising free molecular oxygen at the temperature and pressure required for the oxidation which comprises carrying out said oxidation in the presence of an anti-knock reagent and of a metal oxidation-catalyst, said catalyst not being substantially poisoned by said anti-knock reagent.

2,270,780
PROCESS FOR THE OXIDATION OF ETHYLENE
Ernst Berl, Pittsburgh, Pa., assignor to Berl Chemical Corporation, a corporation of Delaware
No Drawing. Application February 7, 1938, Serial No. 189,278. In Great Britain February 25, 1937
2 Claims. (Cl. 260—348)

1. The process of directly oxidizing ethylene to ethylene oxide which comprises partially oxidizing ethylene with gaseous oxygen in the presence of tetra-ethyl lead in an amount of less than .5% by volume of the reactants.

2,270,781
ASH TRAY
Sidney Friedman, Brooklyn, N. Y.
Application February 6, 1941, Serial No. 377,585
5 Claims. (Cl. 131—235)



1. An ash tray comprising a container having a relatively thick top wall provided with a large opening and a plurality of smaller openings extending through from the top to the bottom, a shut-off slide beneath said top wall for closing the bottom ends of said smaller openings, said slide having openings normally out of alignment with the smaller openings in said top wall and being movable to a position in which its openings are aligned with the smaller openings in said top wall leaving the smaller openings in said top wall unrestricted, means for facilitating moving said slide from the exterior of said container, and a means for forcing cigarettes inserted into said smaller openings in said top wall downwards during that period of time when the shut-off slide is moved into a position to align the openings of said slide with the smaller openings of said top wall.

2,270,782
SLIDER FOR SEPARABLE FASTENERS
Delbert B. Gilmore, Erie, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application July 15, 1940, Serial No. 345,470
3 Claims. (Cl. 24—205.5)

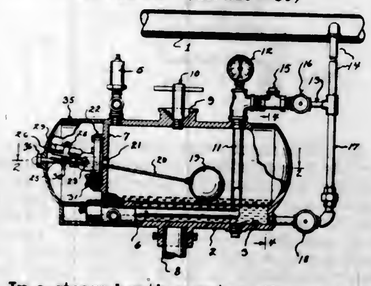


3. A slider for slide fasteners of the class described comprising parallel overlying wings connected by a neck at one end and defining a substantially Y-shaped channel between the wings, said neck having a vertically extending central slot therethrough, the adjacent portion of the wing being also slotted to form a continuation of the slot in the neck, a pull tab having a central depending pivot lug fitting in the slotted neck, and means for pivotally connecting the same thereto, and a projection formed as an integral continuation of said lug and movable through the slot in the wing into position between two rows of fastener members in the crotch portion of the slider channel to block their movement in the slider at the point where the fastener elements intermesh.

2,270,783
ELECTROCHEMICAL METHOD OF PRODUCING WHITE LEAD
Gunnard E. Johnson, Hammond, Reginald G. Bowman, Gary, and William J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company, East Chicago, Ind., a corporation of Montana
No Drawing. Application December 6, 1937, Serial No. 178,352
4 Claims. (Cl. 204—88)

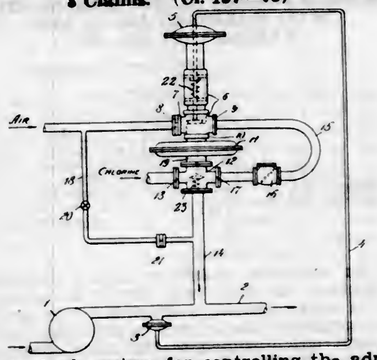
1. In a process of producing white lead of constant particular composition by electrolysis in a bifluid cell involving the use of an anolyte capable under electrolysis of yielding a lead solvent and containing a bicarbonate and of a catholyte containing a carbonate which is altered during the course of the process by removal of carbonate ions, and involving carbonation of the catholyte to restore carbonate ions thereto and re-use of the regenerated catholyte, the composition of the precipitated white lead being controlled by reference to the bicarbonate ion concentration in the anolyte, the improvement which comprises adjusting the bicarbonate ion concentration in the anolyte by subjecting the catholyte to excess carbonation and by incorporating hydroxyl ions in the anolyte in the form of a soluble metal hydroxide in such an amount that the amount of added metal ions of said hydroxide is not substantially in excess of the amount of metal ions lost in the course of normal operation of the cell, the amount of metal hydroxide incorporated in the anolyte being sufficient to establish therein bicarbonate ions in the desired concentration, whereby the addition of ions not entering into the composition of the precipitated white lead is not substantially greater than the loss of such ions in the course of normal operation of the cell.

2,270,784
CONDITIONING APPARATUS FOR STEAM HEATING SYSTEMS
Frank J. Miller, South Milwaukee, and Fred Sperling, Milwaukee, Wis.
Application May 15, 1940, Serial No. 335,248
4 Claims. (Cl. 219—39)



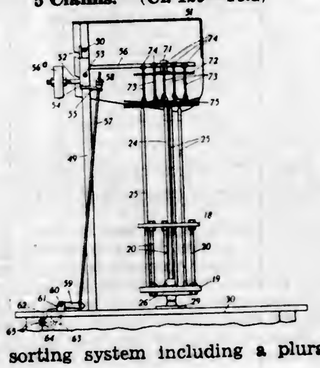
1. In a steam heating system, the combination with a steam line, of means for supplying a chemical to the steam line including a chemical container having a chemical therein, a communication between said container and the steam line, an electrical heating element positioned in said container, a float for controlling operations of said element, and a second connection between said steam line and container for preheating the chemical for introducing steam into said container.

2,270,785
CHLORINATION SYSTEM
Gregory A. Petroe, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application July 27, 1939, Serial No. 286,946
8 Claims. (Cl. 137—78)



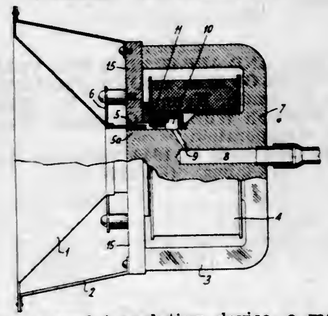
6. A check system for controlling the admission of chlorine under pressure through a chlorine line into a pressure delivery line of a chlorination system and against the pressure in the delivery line through which material to be chlorinated is delivered under pressure which comprises means responsive to a drop in pressure in the delivery line to a predetermined value for introducing dry air into the chlorine line and means for initiating the termination of the admission of chlorine to the delivery line automatically simultaneously with the introduction of the air into the chlorine line.

2,270,786
SORTING OF PERFORATED CARDS AND SHEETS
Ernest Kemp Portman-Dixon, Teddington, England
Application May 20, 1940, Serial No. 336,297
In Great Britain June 13, 1938
5 Claims. (Cl. 129—16.1)



2. A sorting system including a plurality of statistical sheets bearing different characteristics, each perforated according to a diagram common to all and whereof the position of the perforations of one sheet orbitally of an axis normal to the plurality of sheets differs from those of other sheets according to the characteristics of the sheet, with sheets of like characteristics being perforated identically, a sheet-engaging sorting device including a group of threader rods complementary to said perforated diagram whereon individual sheets are caused by the creation of relative angular movement between the sheets and the sorting device to fall by gravity into separately positioned groups of sheets of like characteristics.

2,270,787
HIGH-POWER LOUD-SPEAKER
Willy Schulze and Heinrich Benecke, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 14, 1939, Serial No. 299,444
In Germany October 24, 1938
6 Claims. (Cl. 179—115.5)

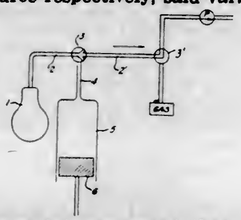


1. In a sound translating device, a magnetic field structure having central and outer pole pieces defining a circular air gap, a current-carrying voice coil subject to undesirable heat conditions adapted to oscillate within said air gap, a member surrounding the central pole piece and defining a substantially circular compartment which communicates with the air gap, the central pole piece being provided with an axial bore and with a plurality of passage-ways which communicate between the axial bore and the compartment, and a source of cooling medium connected to said external bore adapted to supply the cooling medium to the compartment through the passage-ways and thence to flow through the air gap whereby the heat generated by the voice coil is dissipated to a large extent.

2,270,788
APPARATUS FOR FILLING CONTAINERS WITH GAS
William J. Scott and Leonard J. Davies, Rugby, and William Thomas Cowhig, Manchester, England, assignors to General Electric Company, a corporation of New York
Application April 1, 1940, Serial No. 327,282
In Great Britain March 22, 1939
1 Claim. (Cl. 226—20)

Apparatus for exhausting a hollow vessel and introducing into it a gas-filling at a definite pressure comprising a compression chamber, an exhaust pump, a source of gas, a three-way control valve and a two-way control valve, a conduit communicating with the interior of said vessel

and with said three-way control valve, a second conduit communicating with said pressure chamber and said three-way valve, a third conduit communicating with said three-way valve and said two-way valve, and other conduits between said two-way valve and said exhaust pump and gas source respectively, said valves and con-



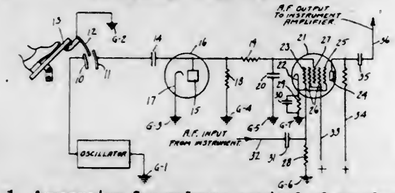
duits being so interconnected that in the first position of both valves the exhaust pump is connected through both valves only to said vessel, in the second position of both valves the gas source is connected only to said pressure chamber, and in the third position of the three-way valve the pressure chamber is connected only to said vessel.

2,270,789

METHOD AND APPARATUS FOR VOLUME CONTROL OF ELECTRONIC AMPLIFIERS

Gerald G. Smith, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation

Application April 13, 1940, Serial No. 329,437
2 Claims. (Cl. 179—171)



1. Apparatus for volume control of an electron discharge tube amplifier including a generator of alternating electromotive force of super audio frequency, a rectifier operated by energy derived from said generator and producing a direct electromotive force, connections between said rectifier and a control electrode of said tube by means of which the potential of said electrode is varied in response to variations in said direct electromotive force, said potential variations controlling the gain of said tube, a three element capacitance unit having at least one movable element, a circuit including said generator, said rectifier and two of the elements of said capacitance unit, and a shunt circuit including the third element of said capacitance unit arranged to shunt more or less of the output of said generator around said rectifier as said movable element is moved, whereby said direct electromotive force is varied in response to movement of said movable element.

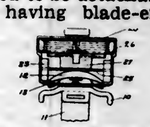
2,270,790

MAGAZINE FOR SAFETY RAZOR BLADES

Samuel C. Stampleman, Cohasset, and Joseph Muros, Cambridge, Mass., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application May 3, 1940, Serial No. 333,166
9 Claims. (Cl. 30—40)

1. A safety razor having movably connected blade-clamping members, in combination with a magazine arranged to be detachably connected to the razor and having blade-engaging means



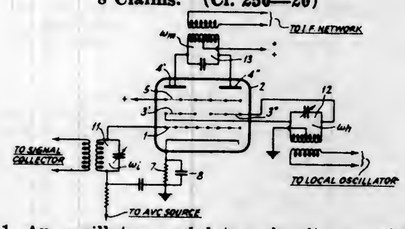
movable to remove a blade from between said members.

2,270,791

OSCILLATOR-MODULATOR CIRCUIT

Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application February 29, 1940, Serial No. 321,420
In the Netherlands July 13, 1939
8 Claims. (Cl. 250—20)



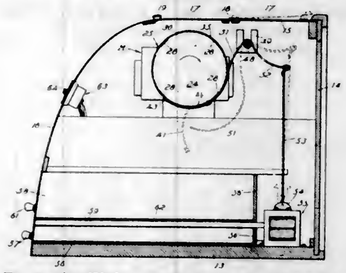
1. An oscillator-modulator circuit comprising an electron discharge tube having a cathode, a pair of control grids, a screening grid and an anode arranged successively in the order named, an input circuit tuned to the signal frequency connected to one of said control grids, a local oscillator circuit tuned to a frequency differing from the signal frequency by an intermediate frequency connected to the other of said control grids, a source of positive steady potential connected to the screening grid, and a circuit tuned to said intermediate frequency connected to the anode, one of said control grids being constructed in two halves arranged symmetrically with respect to the cathode, and the circuit associated with said latter grid being connected to the grid halves in push-pull relation.

2,270,792

STERILIZING APPARATUS

Lyman Weintraub, Ridgefield Park, N. J.

Application May 5, 1939, Serial No. 272,020
14 Claims. (Cl. 21—83)



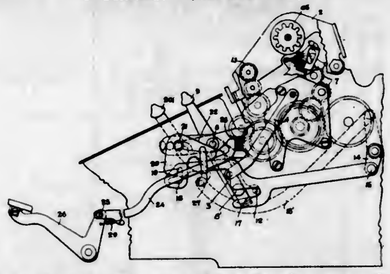
1. In a sterilizing apparatus, a tray; a rotatable instrument holder disposed above said tray; a door on said holder operable to permit the discharge of articles from said holder to said tray; means to generate sterilizing fumes to sterilize said articles, and means for insuring that said holder, when at rest, has the door positioned to discharge said articles directly into said tray.

2,270,793

CALCULATING MACHINE

Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application June 14, 1940, Serial No. 340,590
5 Claims. (Cl. 235—79)



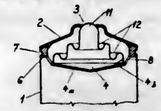
1. In a calculating machine, having a product-dividend register, a multiplier-quotient register, and means including a division key for effecting alternate minus and plus registrations in the product-dividend register; reversing means including a manipulable device settable to render the multiplier-quotient register operative for registrations of a sign character like or alternatively unlike that of the other register, movement transmitting means between the division key and said device effective for setting the latter upon setting the former and ineffective for restoring said device upon restoring said key, and means for presetting said movement transmitting means to ineffective or alternatively effective condition for setting said device to render the one register operative for registrations of a sign character unlike that of the other register upon setting said key.

2,270,794

AUTOMATIC CLOSURE FOR COLLAPSIBLE TUBES

Béla Feldmar, Budapest, Hungary

Application November 21, 1939, Serial No. 305,423
In Hungary September 1, 1939
3 Claims. (Cl. 221—60)



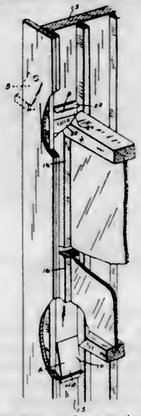
1. A collapsible tube having a discharge head with a dispensing mouth and, interiorly of said tube and in the proximity of said mouth, a dispensing valve control device of the kind which comprises a rigid dish-shaped support with apertures in its border, a seat upon the inside wall of said tube for seating said dish-shaped support, a valve disc disposed within the cavity of said dish-shaped support and underneath said apertures and, mounted upon said valve disc, a valve stem for controlling said dispensing mouth; said valve disc being loosely seated, substantially on an annular line of contact upon said dish-shaped support, both said disc and said support confining between themselves a circular space tapering towards said line of contact, said disc being of resilient material and adapted when the tube and its contents are compressed to tilt by elastic deformation about said line of contact, to recede within said tapering space, and thus to withdraw said stem from contact with said dispensing mouth, and subsequently, when the pressure is released, elastically to resume its original shape.

2,270,795

WINDOW HOLDER AND LOCK

William Henry Forester and Sarah Josephine Forester, Winnipeg, Manitoba, Canada, assignors of forty-nine per cent to Frederick J. Fellowes, Winnipeg, Manitoba, Canada

Application June 12, 1940, Serial No. 340,216
2 Claims. (Cl. 292—289)



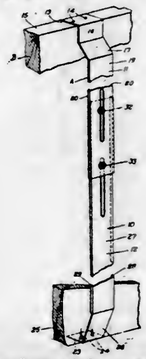
1. A device of the character described comprising a retainer plate adapted to be secured to the pulley stile of a window frame and inclined upwardly and outwardly from the stile, a metal body having a shank adapted to be received between the retainer plate and pulley stile, and an arm extending across the upper end of said shank and secured thereto, the ends of said arm extending beyond opposite sides of said shank for respective engagement with the pulley stile and top of a window sash.

2,270,796

DOOR ATTACHMENT HANGER APPLIANCE

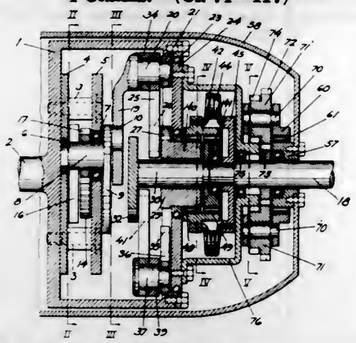
Bonner B. Hauser, St. Paul, Minn.

Application June 24, 1938, Serial No. 215,621
5 Claims. (Cl. 211—86)



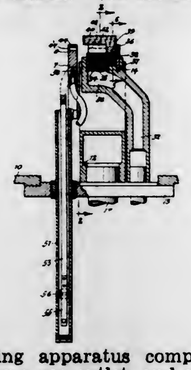
1. A door attachment hanger appliance comprising a body portion including a pair of telescopically adjustable members, attaching means for the ends of said body, said adjustable members having offset portions, bumper means holding the offset portion of said body in spaced relation from the plane of the non-offset portions thereof, and means supporting said bumper means and engaging said relatively adjustable telescopic members and holding the same in adjusted position.

2,270,797
VARIABLE-SPEED RATCHET GEARING
Emil Witalis Hermansson, Gothenburg, Sweden
Application December 29, 1939, Serial No. 311,655
In Sweden January 5, 1938
4 Claims. (Cl. 74—117)



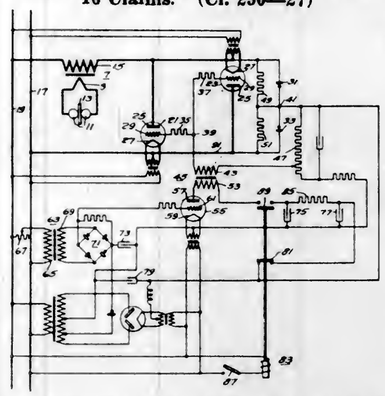
1. A variable-speed ratchet gearing comprising in combination a rotating driving member, a rotatory driven member, a crank pin rotating with the driving member, a link system adapted to transmit the rotation of the crank pin to oscillating members, unidirectionally acting clutches for transmitting the movement of said oscillating members to the driven member so as to impart a rotating member thereto, said link system being connected to an element rotatably mounted coaxially to the centre of rotation of the crank pin, and the last-mentioned rotatably mounted member being caused by the driven shaft by means of a toothed wheel gearing, to rotate with a reduced angular velocity.

2,270,798
HEATING APPARATUS
George A. Guenther, Buffalo, N. Y., assignor to Leon H. Ballou, Lockport, N. Y.
Application August 4, 1939, Serial No. 288,404
2 Claims. (Cl. 158—115)



1. A heating apparatus comprising, a pilot burner having a gas outlet, and a deflector having a plate arranged with its central part over said pilot burner and projecting with its opposite edges over the opposite ends of said pilot burner and the underside of said plate being provided between its end edges with a partition which directs the gas issuing from the pilot burner in opposite directions therefrom over the ends of the pilot burner and said plate being also provided on its underside at right angles to said partition with a base which rests on the pilot burner.

2,270,799
ELECTRIC DISCHARGE APPARATUS
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,236
16 Claims. (Cl. 250—27)



1. In combination, an electric discharge valve having a plurality of principal electrodes, a first capacitor connected between said principal electrodes, a second capacitor, means for charging said second capacitor, means for charging said first capacitor from said second capacitor, means for rendering said valve conductive to discharge said first capacitor, said charging means for said first capacitor including means preventing the discharge of said second capacitor when said first capacitor is discharged, and means for rendering said charging means for said second capacitor ineffective when said means for rendering said valve conductive is effective.

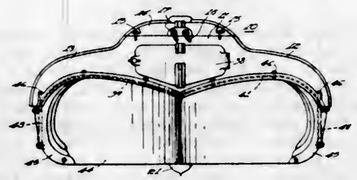
2,270,800
RAZOR
Corydon M. Johnson and Howeth V. Marshall, Freeport, N. Y.
Application January 15, 1938, Serial No. 185,203
5 Claims. (Cl. 30—43)



1. In a shearing device employing a hollow stator cutter and a hollow rotor cutter therein, a shaft for driving said rotor cutter, said device comprising a hinged head in which said rotor cutter is removably mounted, said hinged head including a hinge disposed at right angles to the axes of said cutters by which said head may

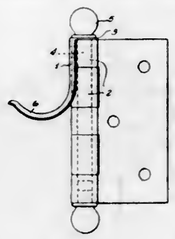
be swung into and out of operative position and said rotor into and out of driven relationship with said driving shaft.

2,270,801
LIGHTING UNIT
Samuel B. Kraut, Cleveland Heights, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 27, 1938, Serial No. 227,047
6 Claims. (Cl. 240—25)



1. A lighting unit for street and highway lighting, comprising, an elongated wing-shaped housing having a relatively-deep dome-shaped central portion provided with a relatively large top opening, a detachable canopy member covering said top opening, said canopy member being adapted for attachment to the supporting means for the unit, horizontally and vertically disposed cooperating reflector plates secured to the bottom of the housing to provide an elongated inverted trough shaped reflector system, a transverse vertically disposed refractor plate mounted at each end of the reflector system, an elongated lamp, means including a lamp socket attached to the detachable canopy member for supporting the elongated lamp in a downward vertical position beneath the housing and within the reflector system, a plurality of auxiliary control devices for the lamp attached to the underside of the canopy member, said canopy, lamp socket, lamp and auxiliary control devices being removable as a unit from the housing, said dome-shaped portion of the housing being provided with a side opening to give access to the interior thereof, and a door for said opening.

2,270,802
ARTICLE HANGER
Aksel Kristensen, Detroit, Mich.
Application March 9, 1939, Serial No. 260,802
1 Claim. (Cl. 248—301)



A hanger formed of sheet metal having a main body portion curved transversely of its length at its lower end to form a clothes receiving hook, said main body portion and at least a portion of said hook being concavo-convex in cross section whereby strength is imparted to said hook and whereby said main portion is able to conform to the exterior of hinge pin receiving sockets as a locating means, the other end of said main body portion being flattened and bent in a direction normal to the length of said body portion, said other end having a hinge pin receiving opening therethrough at such distance from said body portion that when a hinge pin is inserted therethrough said concavo-convex portion closely fits against the hinge pin sockets.

2,270,803
STAPLE PACKAGE
Desmond R. La Place, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application July 23, 1940, Serial No. 346,958
5 Claims. (Cl. 1—56)



1. As a new article of manufacture, a biscuit of staples comprising a plurality of rows of staples, each row comprising a plurality of individual staples cemented together in alinement, the rows of staples being also adhesively connected, the rows of staples being turned in the same direction with the ends thereof in alinement and with the sides of the several rows in a common plane.

2,270,804
MICROINJECTOR
Samson R. Dutky, Palmyra, and William C. Fest, Masonville, N. J., dedicated to the free use of the People in the territory of the United States
Application July 18, 1940, Serial No. 346,155
3 Claims. (Cl. 128—215)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

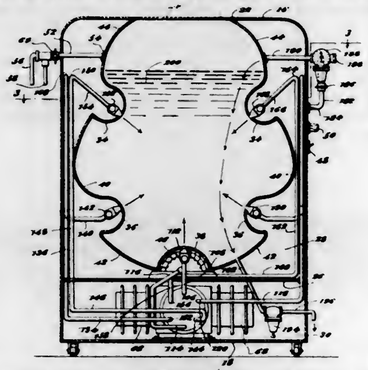


1. A microinjector comprising a base structure, means for removably securing a plunger actuatable syringe on said base, a micrometer screw for actuating the plunger of said syringe, a ratchet wheel secured to said screw, a pawl for unidirectionally engaging said ratchet wheel, means for actuating said pawl, and means for limiting the movement of said pawl so that each time said pawl is fully actuated said screw is moved a predetermined distance.

2,270,805
WASHING MACHINE
Charles Roy Evans, Decatur, Ill.
Application February 21, 1940, Serial No. 320,186
10 Claims. (Cl. 68—183)

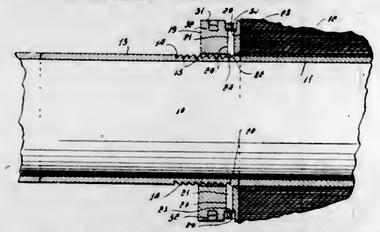
3. A cleaning apparatus comprising a casing, a liquid holding receptacle mounted in spaced relation therefrom forming a compressed air chamber therebetween, inwardly projecting ribs formed on the receptacle, compressed air jets located adjacent the ribs for directing blasts of air toward the axis of said receptacle, means for

supplying the space between the casing and receptacle with air under pressure and means for



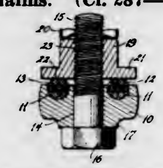
intermittently connecting the compressed air chamber with the compressed air jets.

2,270,806
SET STABILIZER FOR PAPER WINDERS
Rubel M. Johnson, Crossett, Ark.
Application April 17, 1941, Serial No. 389,066
7 Claims. (Cl. 287—52.03)



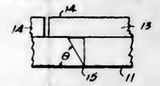
1. In a set stabilizer for a winder shaft, a sleeve applicable to a shaft and having ratchet means thereon, a collar movable over the ratchet means to engage a roll, said collar having dogs radially movable to engage and disengage the ratchet means, means urging movement of said dogs toward the ratchet means consisting of a plurality of blade springs disposed peripherally of the collar fastened adjacent one end to the latter and adjacent the other end suspending and having the dogs fastened thereto.

2,270,807
BOLTED CONNECTING CLAMP FOR LINE CONDUCTORS
Tomlinson F. Johnson, Atlanta, Ga.
Application January 31, 1941, Serial No. 376,882
5 Claims. (Cl. 287—78)



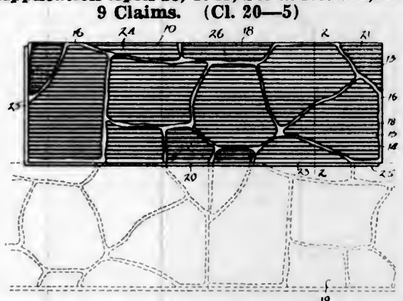
1. A clamp for connecting electric conductors comprising, in combination, an elongated, rigid body member having parallel conductor receiving grooves; and rotatable, screw threaded clamping members associated with the body, each having a flange presenting a surface directly engaging both of the conductors, said surface having a spiral groove whereby said grooved surface abrades the conductors as the clamping member is tightened.

2,270,808
BUILDING UNIT
Robert Lee Kaye, Newark, N. J.
Application March 3, 1941, Serial No. 381,593
4 Claims. (Cl. 20—5)



2. A fiber base building unit having a finished face comprising a mastic and adapted to form a portion of a larger surface made up of a plurality of substantially similar units, an edge of said unit making an acute angle with said finished face said mastic being in substantially plastic condition whereby the first line of butting contact with a next adjacent unit is at said finished face with a slight upsetting of the mastic against the mastic of a next adjacent unit yielding a continuous effect.

2,270,809
MASONRY BUILDING UNIT
Robert Lee Kaye, Newark, N. J.
Application April 15, 1941, Serial No. 388,689
9 Claims. (Cl. 20—5)

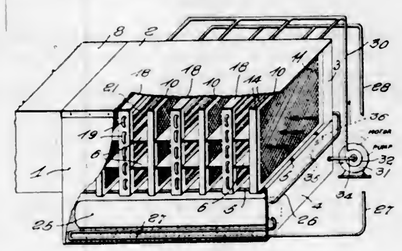


1. In a fiber board building unit, a base member impregnated with a waterproofing material, a series of narrow, elongate, substantially parallel projections on one face of said unit said projections being relatively close together and running substantially continuously over the entire face of said unit and so arranged that they mate substantially with similar projections on a next adjacent unit.

2,270,810
CONDENSER
Genaro Amado Larriva, Tucson, Ariz.
Application March 4, 1940, Serial No. 322,236
4 Claims. (Cl. 257—65)

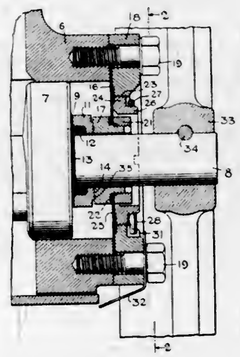
4. A condenser aid comprising in combination a casing having opposed inlet and outlet openings, a series of longitudinally extending bars mounted within said casing dividing the latter into an upper compartment and a lower liquid collecting sump, two series of vertically extending rails each mounted upon one of the interior side walls of said casing above said bars, a series of frames slidably mounted between alternate pairs of said rails in each series thereof within the upper compartment of said casing and with the frame faces thereof facing said openings, said frames being supported upon said bars above the

sump of said casing, a plurality of plates connected to the side walls of said casing between said alternate pairs of rails, said plates forming a plurality of air ducts one above the other between said frames and extending from one of said openings to the other of said openings, each alternate frame having a moisture absorbent ma-



terial extending thereacross, the other of said frames having a condenser coil extending thereacross and adapted and arranged for the progressive downward flow of the fluid to be cooled therein, means for wetting said material from the top thereof and means whereby the excess liquid from said material may flow into the sump of said casing.

2,270,811
ADJUSTABLE BALANCE SEAL
William D. Leonard, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application October 24, 1940, Serial No. 362,692
2 Claims. (Cl. 286—11)

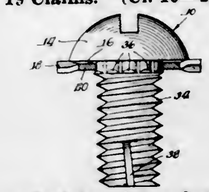


1. In a sealed joint, the combination of a flexible diaphragm subject to a reversible fluid pressure differential; a joint seal comprising means affording two relatively rotatable sealing surfaces in sealing engagement with each other, one of said surfaces being axially movable and supported by said diaphragm; an annular fulcrum engaging said diaphragm and reacting thereupon in a direction to produce engagement of the diaphragm carried surface with the other surface; supporting means for said fulcrum, comprising means permitting sufficient universal tilting of said fulcrum to render it self-aligning and adjustable sustaining means to resist thrust exerted upon the fulcrum by the diaphragm; and means for maintaining the adjustment of said sustaining means.

2,270,812
CRACKING OIL WITH CATALYSTS
Ralph M. Melaven, Highland, Ind., and Rodney V. Shankland, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 31, 1938, Serial No. 248,870
4 Claims. (Cl. 196—52)

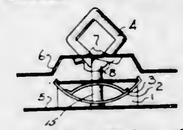
3. The process of converting heavy hydrocarbon oils into gasoline comprising vaporizing said oils and subjecting the vapors thereof at a temperature between about 700 and 1050° F. to the action of a solid, porous, contact catalyst consisting essentially of silica gel, the surface of which is coated with a layer of thoria, cooling the vapors and recovering gasoline from the products.

2,270,813
PREASSEMBLED SCREW AND LOCK WASHER UNIT
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 30, 1939, Serial No. 311,871
19 Claims. (Cl. 10—10)



13. A method of forming a fastener and lock washer unit wherein the lock washer is associated permanently with a clamping surface on the fastener, which comprises providing a fastener blank having a headed stem with an axially extending, outwardly protruding projection on the peripheral surface of the stem adjacent the head, operatively associating a washer with said stem in the vicinity of said head, and subjecting the surface of said shank to a thread rolling step over an axial portion including said protruding projection to extrude the excess material thereof outwardly beyond the inner periphery of the washer for permanently preventing axial displacement of the lock washer.

2,270,814
LIGHTING FIXTURE
Kenneth R. Scribner, Ipswich, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 15, 1941, Serial No. 388,622
3 Claims. (Cl. 240—78)



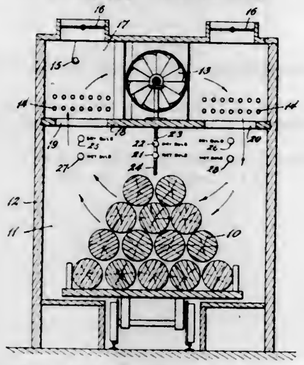
1. An electric lighting fixture for two elongated tubular lamps, said fixture comprising: electrical control apparatus for said lamps; a housing unit for said apparatus; two lamp sockets extending out of each end of said housing; a strap for hanging said fixture attached to said housing and having its ears projecting up through said housing; a concave reflector having slots therein through which said lamp sockets project, a plate across the central portion of

the back of said reflector forming with said reflector an enclosure for the reception of the end of a bolt, and a bolt passing through said plate and said housing with the end of the bolt between said plate and said reflector, for supporting said reflector from the housing without the bolt passing through the reflector.

2,270,815
METHOD OF ACCELERATING AIR DRYING OF WOOD IN KILNS

Joseph A. Vaughan, Atlanta, Ga., assignor to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia

Application August 8, 1938, Serial No. 223,753
2 Claims. (Cl. 34—26)

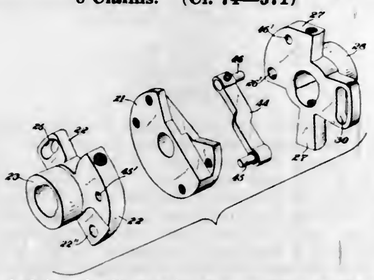


1. In the art of drying wood or timber by circulating hot air through a charge of wood in a kiln, the steps which comprise recording psychrometer readings of the air stream after it leaves the charge and of the air stream entering the charge to determine the approximate rate of moisture removal from the charge and the condition of the wood; controlling the operation of the kiln by increasing the humidity and varying the dry bulb temperature of the drying air as the rate of moisture extraction decreases, to prevent excessive and objectionable checking of the wood; and reversing the direction of flow of air through the charge to promote uniform drying of the charge.

2,270,816
ADJUSTABLE ECCENTRIC

Sydney Zonis, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Original application December 7, 1937, Serial No. 178,477. Divided and this application September 2, 1939, Serial No. 293,173
8 Claims. (Cl. 74—571)

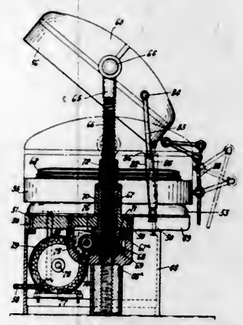


4. A drive shaft, a pair of eccentrics each movably mounted thereon for variation of its eccentricity, adjusting means applied to one of said eccentrics to vary its eccentricity, and means other than the adjusting means for transmitting the adjusting motion of one eccentric to the other.

2,270,817
PRESS

Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 21, 1938, Serial No. 247,003
10 Claims. (Cl. 18—17)



2. In a press of the character described, the combination of a pair of horizontally arranged annular mating mold sections of which the upper section has a relatively fixed situs, a power driven screw arranged coaxially of the mold and having rectilinear movement normal to the parting plane of the mold, the lower mold section being pivotally mounted to the upper end of said screw, whereby movement of the screw effects opening and closing of the mold, and means for tilting the lower mold section on its pivot as it approaches its lowermost position in the opening of the mold.

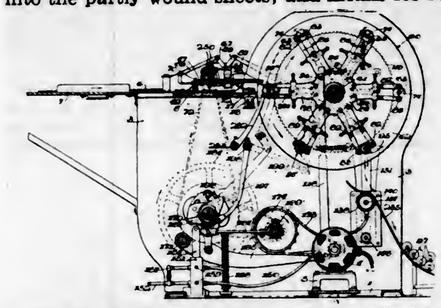
10. In a press of the character described, the combination of a pair of horizontally disposed annular mating mold sections, a power driven screw member arranged parallel to the axis of the mold, one of said mold sections being pivotally mounted on a diametric axis upon an end of said screw member, whereby movement of the latter effects opening and closing of the mold, means for tilting said one of said mold sections on its pivot into oblique position during opening movement of the mold, one of said mold sections being floatably supported on fluid pressure operated means for imparting limited axial movement to said mold section and for permitting said mold section to adjust itself to a uniform close fit with the other mold section.

2,270,818
WRAPPING MACHINE

Frank G. Cook, Atlanta, Ga., assignor to Alexander Dittler, De Kalb County, Ga.

Application January 22, 1940, Serial No. 315,082
28 Claims. (Cl. 270—27)

1. In a machine for rolling and wrapping a plurality of superimposed sheets bound together at one end, means including a rolling rod on which the bound sheets are wound and wrapped; means engaging the binding of the sheets to positively feed the bound sheets into the winding and wrapping means; means for feeding sections of wrapper paper and for forcing one wrapper section into the partly wound sheets; and means for re-

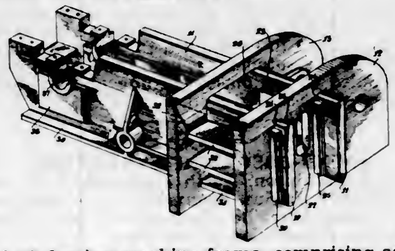


moving said rolling rod to permit the rolled and wrapped sheets to be released from the machine.

2,270,819
FORGING MACHINE

Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey

Application October 26, 1940, Serial No. 362,953
7 Claims. (Cl. 78—17)



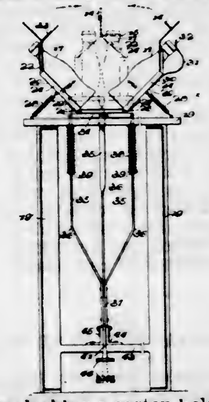
1. A forging machine frame, comprising as its principal stress-taking parts two heavy longitudinal plates of forged metal standing on edge and spaced apart to provide a slideway for a reciprocating upsetting-tool slide, and two heavy transverse plates of forged metal standing on edge and spaced apart to provide a slideway for a movable gripping-die slide and extending transversely of the longitudinal plates near one end thereof, the inner transverse plate having a window through which the longitudinal plates extend and through which the upsetting tool is reciprocated, the outer transverse plate having two closed slots through which the ends of the longitudinal plates extend and a window for the workpiece, and one of the longitudinal plates having a window for movement therethrough of the gripping-die slide.

2,270,820
CARTON CLOSING MECHANISM

William G. Kaliska, Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware

Application April 2, 1938, Serial No. 199,644
15 Claims. (Cl. 93—6)

1. In a device of the character described, a supporting framework, a supporting bed placed thereon, a pair of jaws pivoted to opposite sides of said bed, said jaws being adapted to receive a carton and bottles placed therein, a closing frame surrounding said bed in spaced relationship thereto and normally out of contact with the jaws, means for elevating said closing frame thereby engaging said jaws and swinging same inwardly about their pivots to a closed position,

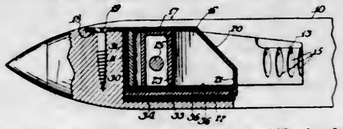


and means for locking a carton held by said jaws, simultaneously with said closing movement.

2,270,821
LOOM SHUTTLE

John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 17, 1940, Serial No. 340,868
10 Claims. (Cl. 139—207)

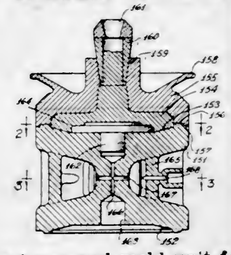


10. A loom shuttle having a shuttle body, bobbin holding jaws therein, a shank connecting said jaws, a shank cover mounted in said body and extending above and below said shank portion, and yieldable non-metallic material disposed between said shank cover and said shuttle body and between said shank and said shank cover.

2,270,822
CENTRIFUGAL CASTING

Russell H. McCarroll, Dearborn, and Edgar Claude Jeter and Walter Kroy, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application July 31, 1939, Serial No. 287,584
10 Claims. (Cl. 22—65)



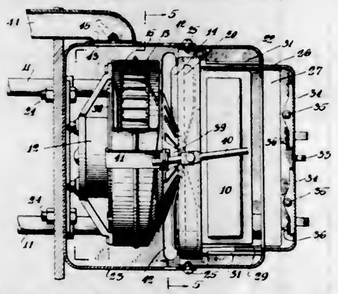
1. In a spinner and mold unit for centrifugal casting of metal parts, a base member, an inner shell supported from said base member and mounted to rotate relative thereto, an individual motor mounted on said base member and con-

nected to rotate said inner shell, an upwardly projecting portion of said inner shell forming a substantially cylindrical receptacle, a mold of such size as to be positioned in said receptacle for rotation with said shell, automatic means to raise and lower said mold in said receptacle, said means comprising a piston member mounted for reciprocation in the lower portion of said shell, members projecting upwardly from said piston to engage the lower face of said mold, a push rod mounted to reciprocate and project downwardly from said base member and having its upper end connected with said piston, a roller member secured to the lower end of said push rod, and a cam track below said base member whereby said mold may be raised and lowered on engagement of said roller with said cam track.

2,270,823
HEAT EXCHANGE AND VENTILATING SYSTEM

Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application December 9, 1938, Serial No. 244,740
4 Claims. (Cl. 257—137)



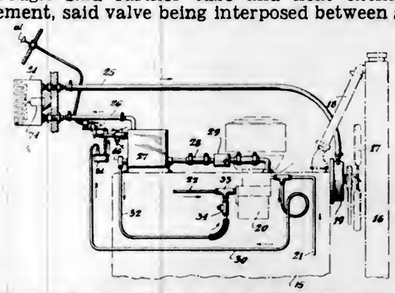
1. An apparatus of the character described including in combination a core to receive fluid and presenting interstices for the flow of air, a fan disposed adjacent said core, a blower wheel coupled to said fan and also disposed adjacent said core, a shell enclosing said core and fan and blower wheel, said shell being formed with inlet and outlet openings through which air may flow, an auxiliary fresh air opening associated with said shell, valve means carried by said shell adjacent said auxiliary opening for rendering the same inoperative, means for rotating said wheel and fan in either direction, said wheel and fan being so designed that rotation thereof in either direction will draw fresh air into the interior of said shell when said valve means is in open position, a casing enclosing said blower wheel and formed with inlet openings in its opposite side faces and dampers connected to said casing and controlling the flow of air through said openings to said blower wheel when the latter is in motion.

2,270,824
HEATER

Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application May 3, 1939, Serial No. 271,560
11 Claims. (Cl. 237—2)

4. A heating apparatus for application to a motor vehicle and including in combination, a tube to be connected to the fuel supply pipe of the automobile, a further tube to be connected to the intake manifold of the automobile engine, a carbureter connected to said first named tube, means providing a combustion chamber coupled to said carbureter, a heat exchange element providing a passage between said combustion chamber and said further tube, a casing formed with inlet and outlet openings, and enclosing said element, means for igniting fuel within said combustion chamber, a valve for preventing all flow through said further tube and heat exchange element, said valve being interposed between said

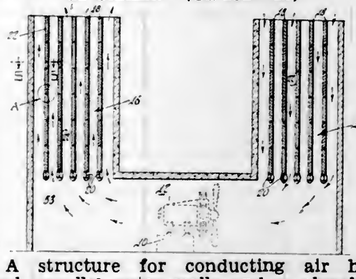


combustion chamber and carbureter, whereby the vacuum created by the motor and transmitted through the further tube will—with the valve closed—extend through the combustion chamber to thereby assist in the ready ignition of the combustible mixture within the same as said valve is opened, the inlet opening of the casing being adapted to be coupled to the fluid cooling system of the automobile engine and a unit heater coupled to the outlet opening of said casing and to receive heated fluid.

2,270,825
SOUND-ABSORBING STRUCTURE

John S. Parkinson, North Plainfield, N. J., and William I. Lucius, Bronxville, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application December 12, 1939, Serial No. 308,794
11 Claims. (Cl. 181—42)



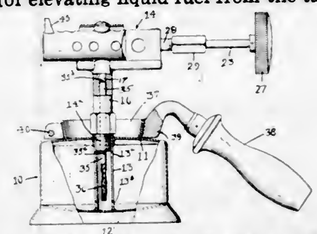
1. A structure for conducting air having spaced parallel outer walls and a plurality of inner ribbon walls subdividing the space between opposed of said outer walls, said ribbon walls comprising a plurality of removable units, each of said units including a channel frame, a sound-absorbing filling and foraminous facing elements overlying said filling, said filling including layers of compressible, fibrous sound-absorbing material and a vibratile diaphragm interposed therebetween.

2,270,826
BLOWTORCH

Stanley Earle Peters, Chicago, Ill., assignor to Henry Baumgarth

Application September 22, 1939, Serial No. 296,035
3 Claims. (Cl. 158—33)

1. A blow torch comprising a tank for liquid fuel, a head provided with a combustion chamber and being heat conductively connected with said tank whereby heat from the head is conducted to said tank for vaporizing fuel therein, said head having a fuel passage for conducting vaporized fuel from the tank to the head, and aspirating means for elevating liquid fuel from the tank and

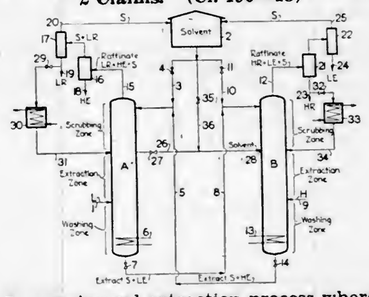


effecting the atomization thereof and the admixture of the atomized fuel with vaporized fuel in said passage, said means comprising a ported tube extending from said passage into said tank to a point below the normal level of liquid fuel therein and provided with a constricted port at the upper end and a vapor port located above the normal level of the fuel therein.

2,270,827
PROCESS FOR THE SOLVENT EXTRACTION OF LIQUID MIXTURES

Sijbren Tijmstra, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 9, 1940, Serial No. 344,520
2 Claims. (Cl. 196—13)

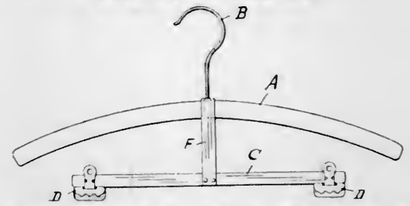


1. In a reciprocal extraction process wherein a plurality of at least two different initial liquid mixtures containing different components are extracted with the same selective solvent, each mixture containing a component which is preferentially soluble in said selective solvent and a component which is not preferentially soluble therein, and wherein each initial mixture is introduced into a separate countercurrent contact apparatus and therein flowed countercurrently to an extracting agent containing said selective solvent to form a raffinate phase containing the component which is not preferentially soluble and an extract phase containing solvent and the component which is preferentially soluble, the raffinate and extract phases are separately withdrawn from each apparatus and the extract phase from each apparatus being introduced into another of said apparatus as the extracting agent, whereby the soluble component contained in the extract phase introduced into each apparatus is scrubbed out of said introduced extract phase and withdrawn from the respective apparatus together with the raffinate phase, the improvement comprising the step of withdrawing a portion of the selective solvent from one apparatus at a plurality of points intermediate to the points of introduction of the initial liquid mixture and the extracting agent while continuing through the apparatus the remaining materials and introducing the withdrawn selective solvent into another apparatus at a plurality of inverted corresponding points intermediate to the points of introduction of the initial liquid mixture and the extracting agent.

2,270,828
GARMENT HANGER

Raymond T. von Palmenberg, New York, N. Y.

Application February 10, 1939, Serial No. 255,646
3 Claims. (Cl. 223—91)

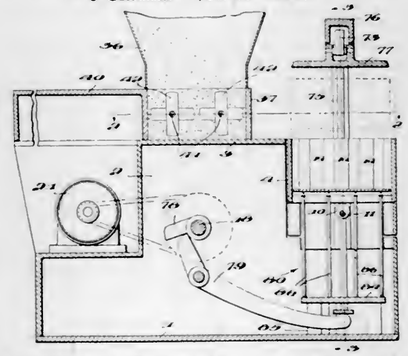


1. The combination with a coat hanger comprising a garment supporting bar of quadralateral cross section and a supporting hook, of a hanger for skirts, trousers, and the like, comprising a supporting bar, garment engaging means carried by the supporting bar adjacent its ends and a bifurcated angular hook member corresponding to the cross section of the garment supporting bar, the bifurcation of the hook member extending from its hooked end, the bifurcated hook member being engaged with the garment supporting bar of the coat hanger on opposite sides of its supporting hook.

2,270,829
MACHINE FOR FORMING BUILDING BLOCKS

Harry A. Wellnitz, Columbus, Ohio

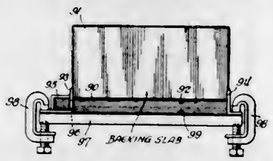
Application April 7, 1939, Serial No. 266,584
6 Claims. (Cl. 25—103)



1. In a building block forming machine of the type having a movable measuring box for transferring the cementitious materials from a hopper to a mold, means for agitating the material in said box comprising guide means carried by said machine adjacent said hopper and mold, a carriage secured for movement with said measuring box on said guide means, motor driven speed reducing means mounted on said car-

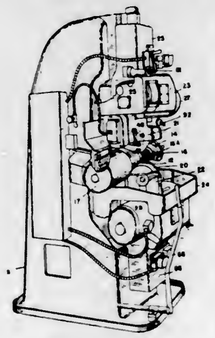
riage, a pair of shafts journaled in said measuring box, longitudinally spaced knife-like agitating blades carried by each of said shafts, the blades on each shaft being offset with relation to those on the other shaft, a sprocket secured to each shaft, chain means extending around said sprockets, and motion transmitting means connecting said speed reducing means and said shafts.

2,270,830
MOULD
Thomas B. Chace, Winnetka, Ill., assignor to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois
Original application August 12, 1937, Serial No. 158,656. Divided and this application December 26, 1939, Serial No. 310,895
7 Claims. (Cl. 22—116)



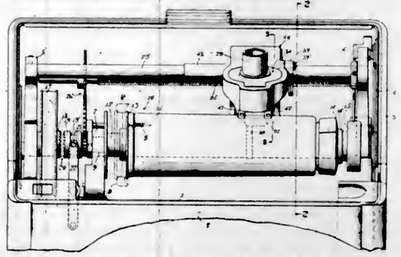
1. Means for cladding a steel slab with a cuprous facing comprising a mould member having peripheral sealing surfaces, said surfaces lying in a common vertical plane, a flange adapted to be welded in fluid tight relation to the lateral faces of a slab to be cladded, said flange being adapted to be disposed adjacent the face to be cladded, and means for holding said flange and said sealing surfaces in liquid tight relation to form a liquid retaining seal about the face to be cladded.

2,270,831
GEAR FINISHING MACHINE
Robert S. Drummond, Detroit, Mich.
Application April 5, 1937, Serial No. 135,184
7 Claims. (Cl. 90—1.6)



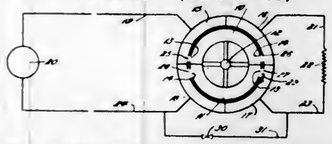
1. A machine for finishing gears comprising a frame, a work support rotatably mounted on said frame, a plurality of tool supports carried by said frame, means for providing relative reciprocation between the tool supports and the work support, means for rotating said work support and said tool supports, and means automatically operable in timed relation to said relative reciprocation to feed said tool supports simultaneously, substantially radially toward said work support.

2,270,832
PHONOGRAPH
Orville M. Dunning, Glen Ridge, and Louis Z. La Forest, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 6, 1938, Serial No. 223,404
16 Claims. (Cl. 274—17)



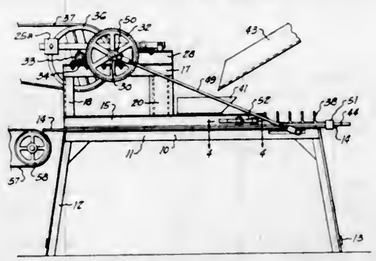
1. In a phonograph having a record-supporting mandrel and a record-cooperating translating device: the combination of a carriage for said device drivable in the direction of record removal from said mandrel and returnable in the direction of record mounting on said mandrel; means, carried by the carriage and extending therefrom into the path of a record being mounted on the mandrel, for effecting a return movement of said carriage incident to record mounting; and means, rendered effective by the record when the mounting thereof is at least substantially completed, for retracting said last-recited means out of said path.

2,270,833
LIQUID ATTEMPERATING DEVICE
Evelyn Edwin Griffiths, Bromborough, England
Application January 23, 1941, Serial No. 375,701
In Great Britain January 12, 1940
6 Claims. (Cl. 237—59)



2. For a hot water circulating system having a hot water feed pipe, an attemperated water feed pipe, an attemperated water return pipe and a main feed water return pipe, an attemperating means comprising an outer casing, two headers at one end of the casing, means for connecting one of said headers to the hot water feed pipe and the other header to the attemperated water return pipe, two headers at the opposite end of the casing, means for connecting one of said headers to the attemperated water feed pipe and the other to the feed water return pipe, a port in each of said headers, a chamber means rotatably mounted in said outer casing, a partition dividing said chamber means into at least two compartments, a water wheel located in the header connected to the hot water feed pipe, means coupling the water wheel to said chamber means for rotating the chamber means, ports in the compartments of the chamber means operative as the chamber means is rotated to register alternately with the ports in the headers so as to connect the compartments alternately to the hot water feed pipe and the attemperated water feed pipe and the attemperated water return pipe and the main feed water return pipe.

2,270,834
APPARATUS FOR MANUFACTURING BRICKS
Neal W. Helm, Caruthersville, Mo.
Application March 11, 1940, Serial No. 323,413
5 Claims. (Cl. 25—48)



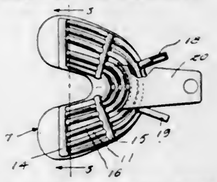
5. A brick manufacturing apparatus including, a stationary support, upstanding sides on said support forming a trough, a plurality of angular unconnected elements movable through the trough and arranged in abutting relation with each other, said elements co-acting with each other and with the sides to provide substantially rectangular molds, means for introducing a cementitious material into the molds, a press ram mounted above the support and movable downwardly so as to enter the mold therebeneath to press the material therein into the proper shape, a shuttle plate reciprocable on one end of the support adapted to receive the elements and dispose the same upon said support, said plate being arranged to engage the angular element at the end of the row of elements on the support, whereby when the plate is moved on the support, a sliding movement is imparted to all of the elements, the movement of the plate being such that upon the inward travel thereof, one of the molds formed by the elements is moved from beneath the press ram and the next successive mold is moved into position therebeneath, the shuttle plate being adapted to receive additional angular elements thereon, and latch means for preventing the movement of the row of angular elements on the support while the shuttle plate is moving outwardly to dispose another element on the support.

2,270,835
CLEANING TOOL FOR SPOT-WELDING ELECTRODES
Charles L. Hibert, La Jolla, Calif., assignor to Sciaky Corporation, Chicago, Ill., a corporation of France
Application October 15, 1940, Serial No. 361,199
15 Claims. (Cl. 51—186)



1. A cleaning tool for spotwelding electrodes, comprising an elongated member provided with a deformation of substantially circular outline, said deformation having its axis disposed at an angle to the longitudinal axis of said member, the surface of said deformation consisting of hard material and being shaped in accordance with the shape of an electrode tip to be cleaned, a web of pliable material overlying said deformation, said web having an outwardly facing sanding surface, and means on said member to guide the tip of an electrode against the surface of said deformation.

2,270,836
WATER COOLED IMPRESSION TRAY
Samuel Lionel Jefferies, Gaffney, S. C.
Application November 8, 1940, Serial No. 364,929
4 Claims. (Cl. 32—17)



1. A water cooled impression tray comprising a receptacle-like body open at its top and at its inner end, said body including an outer jacket and an inner jacket disposed within the outer jacket, each jacket having an exposed face and a concealed face, said jackets having related portions so formed to permit of the circulation of a cooling medium between the concealed face of the jackets, a cooling medium intake and outlet secured to the outer jacket and extending from the exposed face of the latter, one of the said related portions of each jacket forming a bottom for the latter, said inner jacket having the exposed face of its bottom formed with sidewise arranged front and rear spaced sets of continuous grooves, the grooves of each set being disposed in sidewise spaced relation and being open at each end, and means for connecting opposed parts of the concealed faces of said jackets together to provide a sealed joint and for securing said jackets together.

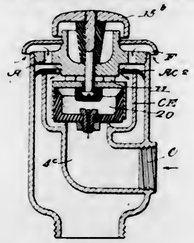
2,270,837
PROCESS FOR RECLAIMING SPENT CLEANING FLUID
Colin C. Jones, Inglewood, Calif., assignor to Chemical Reclaiming Sales Co., Inc., Los Angeles, Calif.
No Drawing. Application January 20, 1940, Serial No. 314,884
4 Claims. (Cl. 252—331)

2. Process of separating suspended impurities from a spent emulsion-type petroleum naphtha cleaning fluid consisting of petroleum naphtha and an alkaline solution distributed one within the other by an emulsifying agent such as soap which comprises passing isopropanol vapor into the heated impure petroleum naphtha cleaning fluid causing separation of a supernatant layer of petroleum naphtha and subjacent layers of solution impurities and isopropanol.

2,270,838
SIPHON BREAKER AND VALVE
Jesse D. Langdon, Los Angeles, Calif., assignor to Eureka Vacuum Breaker Corporation, Kings County, N. Y., a corporation of New York
Application March 26, 1940, Serial No. 326,090
4 Claims. (Cl. 137—93)

1. A siphon breaker and valve comprising a casing having an inlet conduit and outlet opening and air vents communicating with a passage formed by the casing between said inlet conduit and outlet opening and around a cylinder with an open end having attaching means extended from the inside of said casing suspending said cylinder in said passage, the inner end of said inlet conduit and the open end of said cylinder facing one another, a piston forming one side of a pressure chamber in said cylinder and seating on the inner end of said inlet con-

duit, a bypass communicating between said inlet conduit and pressure chamber, an exhaust port communicating between said pressure chamber and passage, an annular valve member held



in position by supporting means within said casing and lying in concentric relationship to said casing and cylinder and capable of being urged by fluid pressure within said passage to close said air vents, said annular valve member capable of being moved by atmospheric pressure to open said air vents when vacuum is exerted within said passage, said air vents being located in the wall of said casing surrounding the suspending means of said cylinder and on a level above said cylinder.

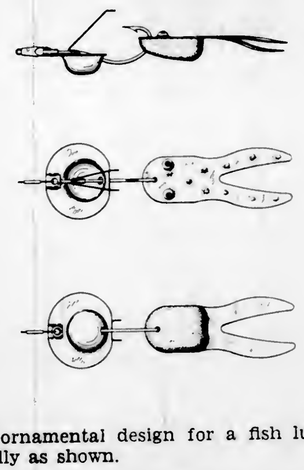
2,270,839
PURIFICATION OF PENTAERYTHRITOL
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application September 4, 1940, Serial No. 355,356
4 Claims. (Cl. 260—637)

1. The process for the preparation of high-melting-point pentaerythritol which comprises heating an impure pentaerythritol in contact with a liquid aliphatic alcohol at a temperature above 80° C. to effect a splitting up of double compounds of pentaerythritol and dipentaerythritol, and separating the crystals which form.

DESIGNS

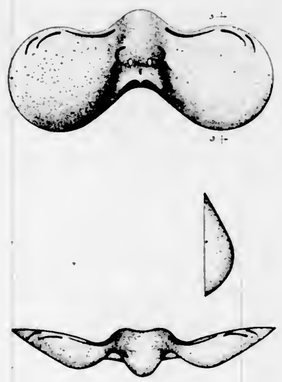
JANUARY 20, 1942

131,135
DESIGN FOR A FISH LURE
Louis D. Adam, Ponca City, Okla., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1941, Serial No. 101,774
Term of patent 3½ years



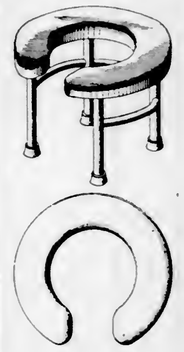
The ornamental design for a fish lure, substantially as shown.

131,136
DESIGN FOR A FALSE FACE
Carrie Balaban, Chicago, Ill.
Application November 5, 1941, Serial No. 104,029
Term of patent 3½ years



The ornamental design for a false face, substantially as shown.

131,137
DESIGN FOR A SHOWER STOOL
Eugene Baumann, Sr., North Bergen, N. J.
Application April 19, 1941, Serial No. 100,527
Term of patent 14 years



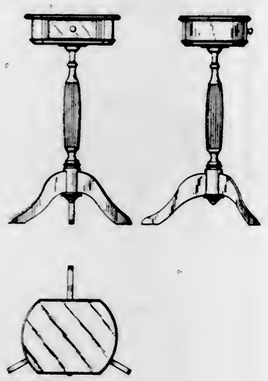
The ornamental design for a shower stool, as shown.

131,138
DESIGN FOR A MAN'S SLEEPING ROBE
Arthur Berger, New York, N. Y.
Application October 23, 1941, Serial No. 103,875
Term of patent 3½ years



The ornamental design for a man's sleeping robe, substantially as shown.

131,139
DESIGN FOR A UTILITY STAND
Joseph F. Donaldson, Louisville, Ky., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application May 5, 1941, Serial No. 100,787
Term of patent 14 years



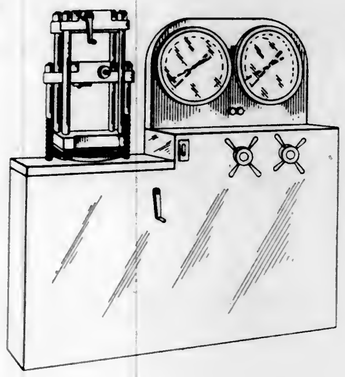
The ornamental design for a utility stand, substantially as shown.

131,140
DESIGN FOR A FLASHLIGHT
Lee J. Lockwood, Freeport, Ill., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1941, Serial No. 100,705
Term of patent 14 years



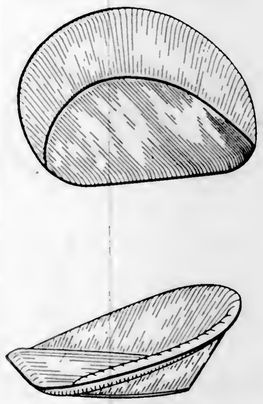
The ornamental design for a flashlight, as shown and described.

131,141
DESIGN FOR AN HYDRAULIC TESTING MACHINE
Tinius Olsen, 2nd, Philadelphia, Pa.
Application December 7, 1940, Serial No. 97,146
Term of patent 7 years



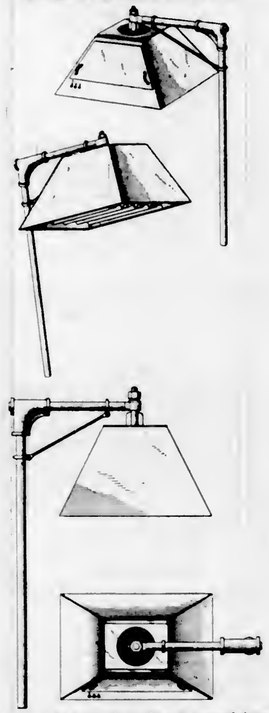
The ornamental design for an hydraulic testing machine, substantially as shown and described.

131,142
DESIGN FOR A DEEP SADDLE SEAT CUSHION
Harold W. Bostrom, Milwaukee, Wis.
Application August 3, 1940, Serial No. 94,212
Term of patent 14 years



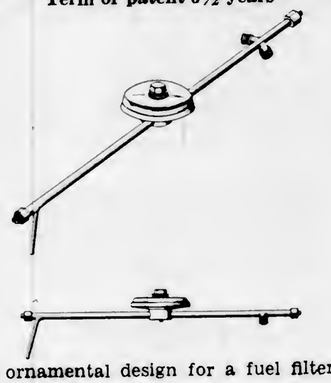
The ornamental design for a deep saddle seat cushion, as shown.

131,143
DESIGN FOR A COMBINED AIR FILTER AND LIGHT OR THE LIKE
Svend Bramsen, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 5, 1941, Serial No. 104,501
Term of patent 7 years



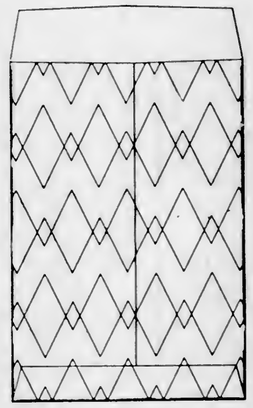
The ornamental design for a combined air filter and light or the like, substantially as shown.

131,144
DESIGN FOR A FUEL FILTER
Styles T. Howard, Jeffersonville, Ind.
Application April 24, 1941, Serial No. 100,607
Term of patent 3½ years



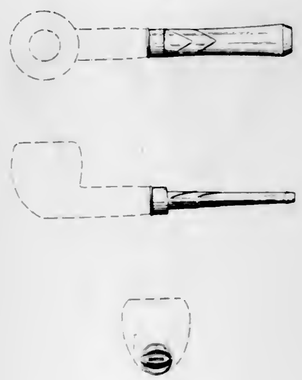
The ornamental design for a fuel filter, substantially as shown.

131,145
DESIGN FOR AN ENVELOPE OR SIMILAR ARTICLE
Theodore Edson Jewell, Jr., Newton, Mass.
Application April 1, 1941, Serial No. 100,074
Term of patent 14 years



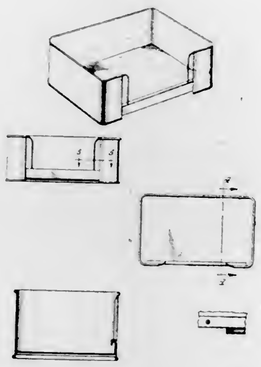
The ornamental design for an envelope or similar article, as shown and described.

131,146
DESIGN FOR A TOBACCO PIPE
Arthur Koenigsamen, Jamaica, N. Y., assignor to Henry Leonard & Thomas, Inc., Ozone Park, N. Y., a corporation of New York
Application September 12, 1941, Serial No. 103,323
Term of patent 7 years



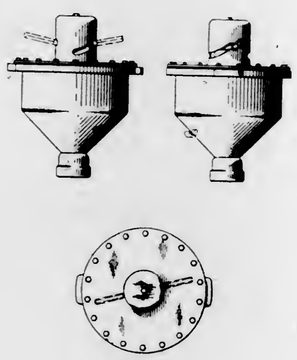
The ornamental design for a tobacco pipe, substantially as shown and described.

131,147
DESIGN FOR A DOG BED
Robert L. Richardson, Eden, N. Y.
Application November 5, 1941, Serial No. 104,028
Term of patent 7 years



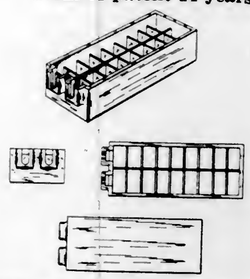
The ornamental design for a dog bed, as shown.

131,148
DESIGN FOR A COMBINED CARBIDE HOPPER AND FEED CONTROL UNIT FOR AN ACETYLENE GENERATOR
Willis G. Schepman, Indianapolis, Ind., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 28, 1941, Serial No. 104,362
Term of patent 14 years



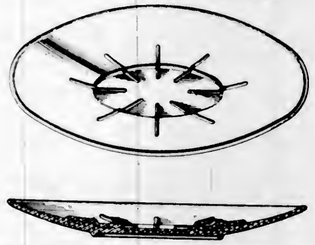
The ornamental design for a combined carbide hopper and feed control unit for an acetylene generator, substantially as shown and described.

131,149
DESIGN FOR A STORAGE BATTERY CONTAINER
Richard E. Sears, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 19, 1941, Serial No. 102,944
Term of patent 14 years



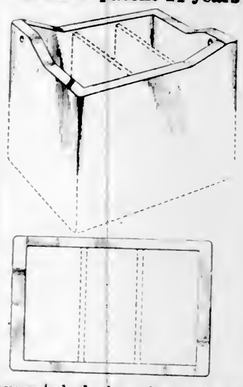
The ornamental design for a storage battery container, substantially as shown.

131,150
DESIGN FOR A SAUCER
Peter J. Swofford, Fort Worth, Tex.
Application May 2, 1941, Serial No. 100,746
Term of patent 3½ years



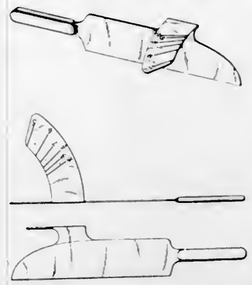
The ornamental design for a saucer, as shown.

131,151
DESIGN FOR A BATTERY BOX
William G. Tenney, Chicago, Ill.
Application October 29, 1941, Serial No. 103,931
Term of patent 14 years



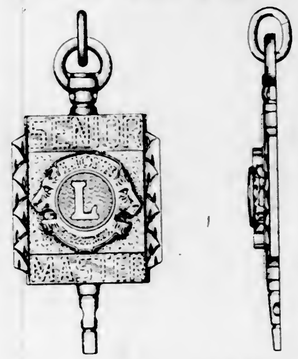
The ornamental design for a battery box, as shown and described.

131,152
DESIGN FOR A COMBINATION KNIFE AND GAUGE
Nellie Jacobs, Brooklyn, N. Y.
Application October 24, 1941, Serial No. 103,882
Term of patent 7 years



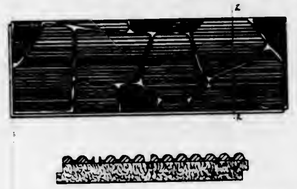
The ornamental design for a combination knife and gauge, substantially as shown and described.

131,153
DESIGN FOR A KEY CHARM
Melvin Jones, Chicago, Ill., assignor to International Association of Lions Clubs, Chicago, Ill., a corporation of Illinois
Application May 26, 1941, Serial No. 101,138
Term of patent 14 years



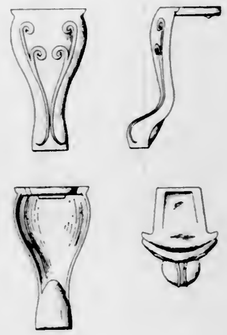
The ornamental design for a key charm, as shown.

131,154
DESIGN FOR A BUILDING UNIT
Robert Lee Kaye, Newark, N. J.
Application April 5, 1941, Serial No. 100,172
Term of patent 14 years



The ornamental design for a building unit, as shown and described.

131,155
DESIGN FOR A STOVE LEG
Mary E. Brown, Alvarado, Tex.
Application November 14, 1941, Serial No. 104,144
Term of patent 3½ years



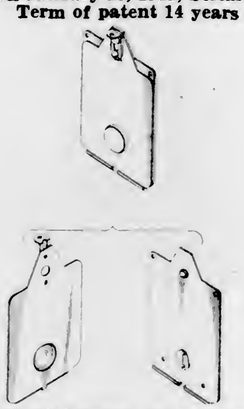
The ornamental design for a stove leg, as shown.

131,156
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Israel Cohen, Brooklyn, N. Y.
Application December 17, 1941, Serial No. 104,690
Term of patent 3½ years



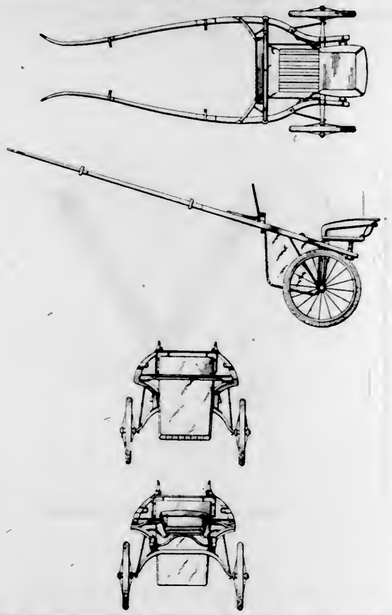
The ornamental design for a jewelry finding or similar article, substantially as shown.

131,157
DESIGN FOR A DETACHABLE SUPPORT FOR INSTRUMENTS AND CONTROL DEVICES
Frederick H. Drake, Boonton, and Atherton Noyes, Jr., Mountain Lakes, N. J., assignors to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application January 16, 1941, Serial No. 98,132
Term of patent 14 years



The ornamental design for a detachable support for instruments and control devices, as shown.

131,158
DESIGN FOR A HORSE TRAINING CART
William Houghton Foster, Marion, Ohio, assignor to The Houghton Manufacturing Company, Marion, Ohio, a corporation of Ohio
Application February 18, 1941, Serial No. 99,086
Term of patent 7 years



The ornamental design for a horse training cart, as shown.

131,159
DESIGN FOR A PIN OR ANALOGOUS ARTICLE
Sydell Grombecker, New York, N. Y.
Application August 22, 1941, Serial No. 102,986
Term of patent 3½ years



The ornamental design for a pin or analogous article, as shown.

131,160
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application December 1, 1941, Serial No. 104,416
Term of patent 3½ years

The ornamental design for a shoe or similar article, substantially as shown.

131,161
DESIGN FOR A STUD BUTTON
Jack Kantor, New York, N. Y.
Application December 23, 1941, Serial No. 104,805
Term of patent 3½ years



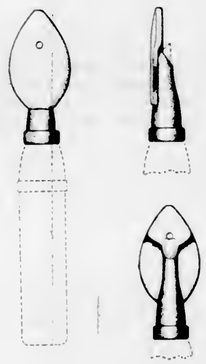
The ornamental design for a stud button, substantially as shown.

131,162
DESIGN FOR A BADGE
Chase Nash, Washington, D. C.
Application July 25, 1941, Serial No. 102,481
Term of patent 3½ years



The ornamental design for a badge, as shown.

131,163
DESIGN FOR A RETINOSCOPE OR THE LIKE
William F. Peck, Snyder, Albin A. Gradisar, Buffalo, and John T. Armbruster, Niagara Falls, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 10, 1941, Serial No. 103,271
Term of patent 14 years



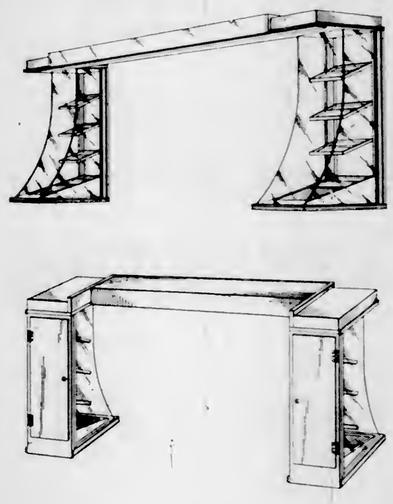
The ornamental design for a retinoscope or the like, substantially as shown and described.

131,164
DESIGN FOR A TEXTILE FABRIC
Edwin Raphaels, New York, N. Y.
Application December 17, 1941, Serial No. 104,676
Term of patent 3½ years



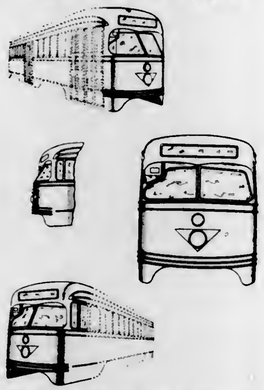
The ornamental design for a textile fabric, substantially as shown and described.

131,165
DESIGN FOR A DISPLAY CASE
Paul M. Ressinger, Chicago, Ill.
Application August 14, 1941, Serial No. 102,839
Term of patent 14 years



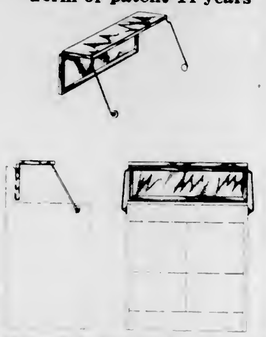
The ornamental design for a display case, as shown.

131,166
DESIGN FOR A VEHICLE BODY
William T. Rossell, University City, Mo., Francis H. Shepard, New Rochelle, N. Y., and Harry J. Bader, Troy, Ohio
Application March 4, 1941, Serial No. 99,340
Term of patent 7 years



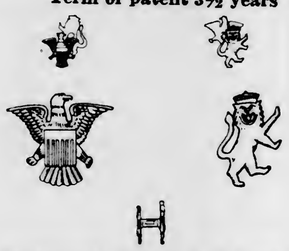
The ornamental design for a vehicle body, substantially as shown and described.

131,167
DESIGN FOR A COOKING RANGE
Louis J. Smallen, Los Angeles County, Calif.
Application December 21, 1940, Serial No. 97,522
Term of patent 14 years



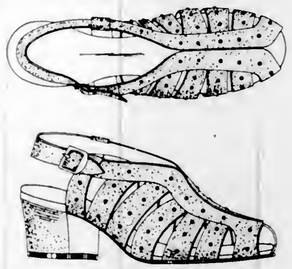
The ornamental design for a cooking range, as illustrated and described.

131,168
DESIGN FOR A CUFF LINK
Horatio Ben Smith, New York, N. Y.
Application April 10, 1941, Serial No. 100,300
Term of patent 3½ years



The ornamental design for a cuff link, substantially as shown and described.

131,169
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Wolock, New York, N. Y.
Application December 1, 1941, Serial No. 104,412
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,170
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Wolock, New York, N. Y.
Application December 1, 1941, Serial No. 104,413
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,171
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Wolock, New York, N. Y.
Application December 1, 1941, Serial No. 104,414
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,172
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application December 26, 1941, Serial No. 104,836
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

131,173
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application December 26, 1941, Serial No. 104,837
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,174
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application December 26, 1941, Serial No. 104,847
Term of patent 3½ years



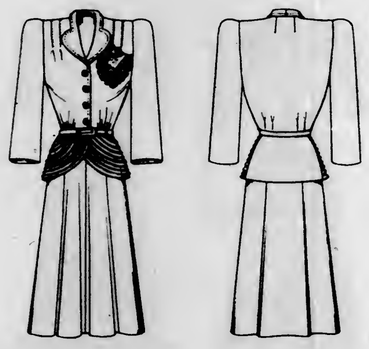
The ornamental design for a dress, substantially as shown.

131,175
DESIGN FOR A DRESS
Harry Langer, New York, N. Y.
Application December 26, 1941, Serial No. 104,846
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,176
DESIGN FOR A DRESS
Malvina Wolff, New York, N. Y.
Application December 26, 1941, Serial No. 104,849
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,177
DESIGN FOR A KEY CASE
Warner R. Buxton, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application December 7, 1940, Serial No. 97,154
Term of patent 14 years



The ornamental design for a key case, substantially as shown and described.

131,178
DESIGN FOR A COAT
Hyman Frost, New York, N. Y.
Application December 26, 1941, Serial No. 104,840
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

131,179
DESIGN FOR A COAT
Hyman Frost, New York, N. Y.
Application December 26, 1941, Serial No. 104,841
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

131,180
DESIGN FOR A COAT
Hyman Frost, New York, N. Y.
Application December 26, 1941, Serial No. 104,842
Term of patent 3½ years



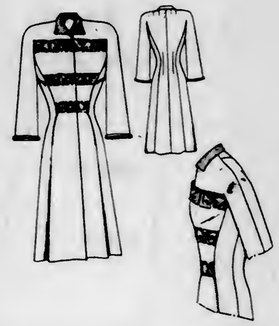
The ornamental design for a coat, substantially as shown and described.

131,181
DESIGN FOR A COAT
Hyman Frost, New York, N. Y.
Application December 26, 1941, Serial No. 104,843
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

131,182
DESIGN FOR A COAT
Hyman Frost, New York, N. Y.
Application December 26, 1941, Serial No. 104,844
Term of patent 3½ years



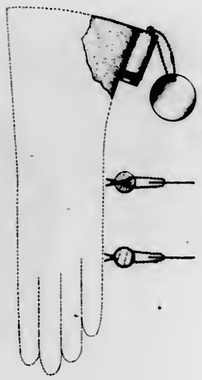
The ornamental design for a coat, substantially as shown and described.

131,183
DESIGN FOR A COAT
Oscar J. Hauptman, New York, N. Y.
Application December 23, 1941, Serial No. 104,817
Term of patent 3½ years



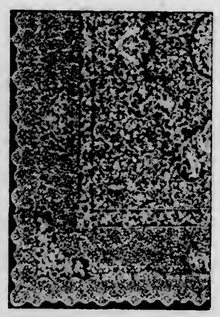
The ornamental design for a coat, as shown.

131,184
DESIGN FOR A COMBINED GLOVE, LIPSTICK HOLDER, AND MIRROR DISK
Julius A. Higier, Johnstown, N. Y.
Application October 28, 1941, Serial No. 103,926
Term of patent 3½ years



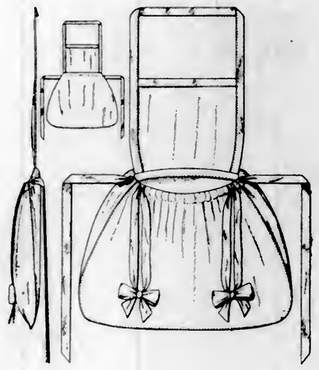
The ornamental design for a combined glove, lipstick holder, and mirror disk, substantially as shown and described.

131,185
DESIGN FOR A LACE TABLECLOTH
Frederick George Hobden, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application December 23, 1941, Serial No. 104,808
Term of patent 14 years



The ornamental design for a lace tablecloth, substantially as shown and described.

131,186
DESIGN FOR AN APRON
Willard Kamholz, New York, N. Y.
Application November 28, 1941, Serial No. 104,366
Term of patent 7 years



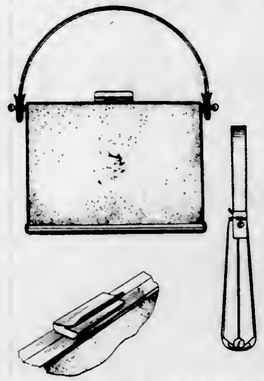
The ornamental design for an apron, as shown.

131,187
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Cye Kronfeld, Los Angeles, Calif.
Application December 5, 1940, Serial No. 97,087
Term of patent 14 years



The ornamental design for a scarf or similar article, substantially as shown.

131,188
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application October 15, 1941, Serial No. 103,768
Term of patent 3½ years



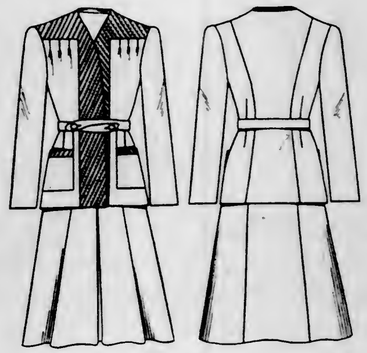
The ornamental design for a handbag substantially as shown and described.

131,189
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application October 15, 1941, Serial No. 103,770
Term of patent 7 years



The ornamental design for a handbag, substantially as shown, and described.

131,190
DESIGN FOR A SUIT
Edward Minkoff, New York, N. Y.
Application December 19, 1941, Serial No. 104,743
Term of patent 3½ years



The ornamental design for a suit, substantially as shown:

131,191
DESIGN FOR A CHILD'S COAT
Jerome M. Schwartz, New York, N. Y.
Application December 27, 1941, Serial No. 104,880
Term of patent 3½ years



The ornamental design for a child's coat, substantially as shown.

THE

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Trade-Marks	246	No. 393,023 to No. 393,268,	inclusive.
T. M. Renewals	54		
Reissues	2	No. 22,013 to No. 22,014,	inclusive.
Plant Patents	1	No. 501	
Patents	670	No. 2,270,840 to No. 2,271,509,	inclusive.
Designs	73	No. 131,192 to No. 131,270,	inclusive.
Total	1,046		

Adjudicated Patents

(D. C. Kans.) Irvin patent, No. 1,481,962, for valve-in-head motor, claims 1 to 4 *Held* not infringed. *Irvin* v. *International Harvester Co.*, 41 F. Supp. 680.

(D. C. N. Y.) Thompson patent, No. 1,710,035, for sound-reproducing instrument, claims 1, 3, and 5 to 8 *Held* not infringed. *Hazeltine Corporation* v. *Emerson Television-Radio*, 41 F. Supp. 800.

(D. C. N. J.) Benowitz patent, No. 1,934,398, for manufacture of yarn, claims 1 and 4 *Held* invalid, and if valid, are not infringed. *Schifrin* v. *Ciresa*, 41 F. Supp. 669.

(D. C. Ill.) Horsley patent, No. 2,107,997, for roll top box, claims 6 and 7 *Held* invalid and not infringed. *Shanklin Mfg. Co.* v. *Goldblatt Bros.*, 41 F. Supp. 792.

(D. C. N. J.) Schifrin patent, No. 2,115,967, for composite fabric, claim 1 *Held* invalid, *Schifrin* v. *Ciresa*, 41 F. Supp. 669.

(D. C. N. J.) Fink patent, No. 2,151,907, for film processing device, claims 3, 4, and 6 *Held* invalid and not infringed. *Fink-Roselieve Co.* v. *Elkay Photo Products*, 41 F. Supp. 824.

(D. C. Del.) Mayer reissue patent, No. 18,841, for hair waving method, claims 1 to 5 *Held* invalid. *National Hairdressers' & Cosmetologists' Ass'n.* v. *Philad Co.*, 41 F. Supp. 701.

Disclaimers

2,091,439.—*Philo T. Farnsworth*, San Francisco, Calif. Multipactor Oscillator and Amplifier. Patent dated August 31, 1937. Disclaimer filed January 5, 1942, by the assignee, *Farnsworth Television & Radio Corporation*.

Hereby enters this disclaimer to claims 1, 3, 4, 8, 9, 10, 12. 14, 15, and 16 in said specification.

2,142,561.—*Kelley D. Evans*, Hamilton, Ohio. Typewriter. Patent dated January 3, 1939. Disclaimer filed January 2, 1942, by the inventor and the assignee of one-half interest, *C. E. Hooven*.

Hereby enter this disclaimer to claims 1, 2, and 3 of said patent.

2,220,855.—*Harold R. Slagh*, Midland, Mich. Unsaturated Esters of Fumaric Acid. Patent dated November 5, 1940. Disclaimer filed December 26, 1941, by the assignee, *The Dow Chemical Company*.

Hereby disclaims from the scope of claim 1 of the above identified patent the substance defined by claim 2, and disclaims claim 2.

Erratum

Page 1059 of the Official Gazette of December 30, 1941, first column, decision re The Maltine Company v. The Upjohn Company, line 10 thereof, for "of the word 'B-Scorbic,' as a trade-mark" read *of the word "Betascorbate," as a trade-mark*.

Condition of Applications Under Examination at Close of Business January 10, 1942

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,077; Trade-Mark Division, 1,350. Oldest new case, Apr. 14, 1941; oldest amended, Apr. 15, 1941.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 26	May 26	719
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Aug. 18	July 15	602
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 19	Oct. 2	507
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 9	Aug. 11	457
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 29	Aug. 2	466
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 8	July 2	961
5725	7. JARBOE, C. G., Optics; Photography	July 12	June 16	1023
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	July 17	816
4524	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 31	July 30	553
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 27	June 5	743
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 29	Sept. 29	353
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 10	Aug. 10	555
8066	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 6	May 28	633
8097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 11	Sept. 13	549
4807	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 10	June 11	1146
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 13	Sept. 13	440
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 15	June 14	806
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 25	July 30	506
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 26	July 7	653
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 3	366
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 31	Aug. 16	315
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 14	Apr. 15	1459
7024	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	224
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 25	July 31	770
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 19	Sept. 3	550
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 22	Sept. 5	382
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 30	July 2	487
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 24	268
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 1	July 8	689
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 9	Oct. 6	328
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 24	July 18	1483
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 13	June 12	839
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 17	June 18	887
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	June 29	July 16	340
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	June 6	June 10	881
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 29	Aug. 4	595
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 15	Sept. 10	510
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 24	May 29	727
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Sept. 15	434
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	June 20	June 21	1581
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 1	Aug. 2	554
3882	42. CUTTING, H. O., Electric Signaling	Aug. 29	Aug. 8	351
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 1	July 3	634
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 6	Aug. 1	401
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 3	Nov. 7	249
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 1	July 1	785
6082	47. KANOF, W. J., Clutches; Brakes	July 16	Aug. 2	392
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 18	July 16	714
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 12	July 8	651
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 10	July 10	1312
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 31	Oct. 20	327
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 28	Aug. 28	480
6897	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 4	Apr. 28	561
6883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Sept. 15	Sept. 16	314
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 28	Aug. 20	396
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 27	May 21	1356
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 3	Oct. 5	253
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 20	Sept. 2	416
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	May 31	June 4	1073
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 13	Aug. 19	327
5724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 21	July 8	686
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 11	Sept. 3	623
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 26	June 26	1161
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 21	July 12	1483
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 17	Sept. 3	403
2099 B	TRADE-MARKS: F. A. RICHMOND	Nov. 21	Dec. 10	1,350
2605	DESIGNS: H. H. KALUPY	Nov. 29	Dec. 12	671

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE CUNO ENGINEERING CORPORATION *v.* THE AUTOMATIC DEVICES CORPORATION

No. 37. Decided November 10, 1941

1. PATENTABILITY—INVENTION.
   To make a device patentable, it must not only be "new and useful," it must also be an "invention" or "discovery."
2. SAME—SAME.
   The principle that if an improvement is to obtain the privileged position of a patent more ingenuity must be involved than the work of a mechanic skilled in the art *Held* to apply to the adaptation or combination of old or well known devices for new uses.
3. SAME—NEW USE OF OLD DEVICE.
   "A new application of an old device may not be patented if the 'result claimed as new is the same in character as the original result' * * * even though the new result had not before been contemplated."
4. SAME—INVENTION.
   Strict application of the rule that a new device to be patentable must reveal the flash of creative genius *Held* necessary lest in the constant demand for new appliances the heavy hand of tribute be laid on each slight technological advance in an art.
5. SAME—LIGHTER.
   Claims 2, 3, and 11 of Mead Patent No. 1,736,544, for a lighter, *Held* invalid, since the lighter was not the result of invention but a "mere exercise of the skill of the calling," an advance "plainly indicated by the prior art."

ON WRIT of certiorari to Circuit Court of Appeals for the Second Circuit. Judgment reversed. Mr. Chief Justice STONE concurring with opinion in which Mr. Justice FRANKFURTER joins.

Mr. Robert Starr Allyn and *Mr. Carlton Hill* (*Mr. Hyland R. Johns* and *Mr. Roberts B. Larson*, with them on the brief) for petitioner.

Mr. Drury W. Cooper (*Mr. Henry M. Huxley* and *Mr. Thomas J. Byrne*, with him on the brief) for respondent.

Mr. Justice DOUGLAS delivered the opinion of the Court.

This is an action in equity brought by respondent for infringement, inter alia, upon claims 2, 3, and 11 of Patent No. 1,736,544, granted November 19, 1929, on the application of H. E. Mead, filed August 24, 1927, for a cigar lighter. The district court held these claims not infringed. 34 F. Supp. 146. The circuit court of appeals reversed, holding them valid and infringed. 117 F.2d 361. We granted the petition for certiorari, limited to the question whether claims 2, 3, and 11 of the Mead patent are valid, because of a conflict between the decision below and *Automatic Devices Corp.* v. *Sinko Tool & Manufacturing Co.*, 112 F.2d 335, decided by the Circuit Court of Appeals for the Seventh Circuit.

The claims in question[1] are for improvements in lighters, commonly found in automobiles, for cigars, cigarettes and pipes. There were earlier lighters of the "reel type". The igniter unit was connected with a source of current by a cable which was wound on a spring drum so that the igniter unit and cable could be withdrawn from the socket and be used for lighting a cigar or cigarette. As the removable plug was returned to the socket the wires were reeled back into it. The circuit was closed either by manual operation of a button or by withdrawal of the igniter from its socket. In 1921 the Morris patent (No. 1,376,154) was issued for a so-called "wireless" or "cordless" lighter. This lighter eliminated the cables and the mechanism for winding and unwinding them, it provided for heating the igniter unit without removing it from its socket, and it eliminated all electrical and mechanical connection of the igniter unit with the socket once it was removed therefrom for use. Several types of the "wireless" or "cordless" lighter appeared.[2] Morris represented a type in which the circuit was open when the plug rested in the socket and closed when the plug was pushed farther into the socket against the resistance of a spring. In Zecchini (No. 1,437,701) the operator pressed and held down a push-button to close the circuit. In Metzger (No. 1,622,334) the operator closed the circuit by depressing and rotating the plug. In each the operator was obliged to hold the plug, or the circuit-closing part, in place until the heating coil became hot enough for use. After he concluded that it had become hot enough (by observation or guess work) he removed the plug using it like a match or hot coal, and then replaced it in the socket. Thus these lighters were said to require rather continual attention on the part of the person using them, so that there would be no overheating or burning out of the heating coil.

This inconvenience and hazard were eliminated, according to respondent,[3] by the automatic feature of the Mead patent. Mead added to the so-called "wireless" or "cordless" lighter a thermostatic

[1] "2. In a device of the class described, a removable heating member having an electrical heating unit, a socket for receiving and holding said heating member, electrical current supply terminals, means for moving said heating member to a position for establishing an energizing circuit to said heating unit, and means responsive to the temperature of said heating unit for interrupting said energizing circuit.

"3. In a lighting device for cigars and the like, a removable heating member having an electric heater, a support for receiving and holding said heating member, current supply terminals on said support, said heating member being movable on said support to a position where said heating unit is energized from said terminals and means responsive to the temperature of said heating unit for controlling the heating thereof.

"11. In an electric lighter of the class described, a base member, a heater member movably mounted on said base member, an electric heater on said heater member, electrical supply terminals on said base member, said heater member being movable between an energized position where a circuit is established from said terminals to said heater, and an off position where said circuit is interrupted, and automatic means for withdrawing said heater member from the on position to the off position upon heating of said heater."

[2] Some of these are reviewed in *Casco Products Corp.* v. *Sinko Tool & Mfg. Co.*, 116 F.2d 119 [47 U. S. P. Q. 484].

control responsive to the temperature of the heating coil. In operation it automatically returned the plug to its "off" position after the heating coil had reached the proper temperature. To operate Mead's device the knob on the igniter plug was turned to a point where an electrical connection was established from the battery through the heating coil. There the plug remained temporarily latched. When the heating coil was sufficiently hot for use, the bimetallic elements in the thermostat responsive to the temperature condition of the heating coil caused the igniter plug to be released and to be moved by operation of a spring to open-circuit position. The plug might then be manually removed for use in the manner of a match, torch, or ember. When replaced in the socket after use, it was held in open-circuit position until next needed.

Petitioner makes several objections to the validity of the claims—that they do not comply with the standards for full, clear and concise description prescribed by 35 U. S. C. § 33, R. S. § 4888; that they are indefinite and broader than any disclosed invention; and that they are for a device so imperfect and unsuccessful that a construction of the claims broad enough to include it is not permissible. See *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 295, 69 O. G. 1641. We do not, however, stop to consider these objections. For it is our opinion that the Mead device was not the result of invention but a "mere exercise of the skill of the calling", an advance "plainly indicated by the prior art". *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corp.*, 294 U. S. 477, 486, 452 O. G. 705.

Thermostatic controls of a heating unit, operating to cut off an electric current energizing the unit when its temperature had reached the desired point, were well known to the art when Mead made his device. They had been employed in a wide variety of electrical designs since Hammarstrom in 1893 (No. 493,380) showed a bimetallic thermostat to break a circuit when it got overcharged. A few examples will suffice. Harley in 1907 (No. 852,326) included such a thermostat in an electric heater for vulcanizing, so as to limit automatically the temperature attainable. Andrews in 1912 (No. 1,025,852) showed a bimetallic thermostat in an electrical flat iron designed to open the circuit at a predetermined temperature. In 1919 Newsom (No. 1,318,168) showed an electric coffee cooker in which a thermostat, actuated by the temperature within the receptacle, operated to open and close the circuit intermittently. Stahl in 1921 (No. 1,372,207) showed an electric switch automatically released by operation of a thermostat. Hurxthal in 1925 (No. 1,540,628) showed an electric bread toaster with a thermostat for stopping the toasting when the bread reached a given degree of temperature. Copeland (No. 1,844,206), filed April 18, 1927, before Mead, showed an electric lighter for cigars and cigarettes with thermostatic control. It differed from Mead in several respects. Thus in Copeland's device a cigar was inserted in a tube at the end of which was a heating coil. By pressing the cigar against the heating coil (or in another form, by pressing a push-button) a spring was overset and the circuit closed. When the desired temperature of the heating unit was reached, a thermostatic bar pushed back the spring and opened the circuit. Thus in the Copeland device the cigar (or the push-button) was the "means for moving" the "heating member" of the Mead claims so as to establish the energizing electric heating circuit. The advance of Mead over Copeland was the use of the removable plug bearing the heating unit, as in Morris, to establish the automatically controlled circuit of Copeland.

And so the question is whether it was invention for one skilled in the art and familiar with Morris and Copeland, and with the extensive use of the automatic thermostatic control of an electric heating circuit to apply the Copeland automatic circuit to the Morris removable heating unit in substitution for a circuit manually controlled.

To incorporate such a thermostatic control in a so-called "wireless" or "cordless" lighter was not to make an "invention" or "discovery" within the meaning of the patent laws. As we have shown, both the thermostatically controlled heating unit and the lighter with a removable plug bearing the heating unit were disclosed by the prior art. More must be done than to utilize the skill of the art in bringing old tools into new combinations. *Hailes* v. *Van Wormer*, 20 Wall. 353, 368; *Pickering* v. *McCullough*, 14 Otto 310, 318; *Thatcher Heating Co.* v. *Burtis*, 121 U. S. 286, 294, 39 O. G. 587; *Concrete Appliances Co.* v. *Gomery*, 269 U. S. 177, 184–185, 342 O. G. 507; *Powers-Kennedy Contracting Corp.* v. *Concrete Mixing & Conveying Co.*, 282 U. S. 175, 186, 402 O. G. 517; *Carbice Corp.* v. *American Patents Dev. Co.*, 283 U. S. 420, 408 O. G. 3. Respondent, however, contends that wholly new functions were involved in Mead's conception, viz., relieving the operator of the necessity of manually holding the plug in closed-circuit position, and automatically and permanently opening the circuit when the heating coil was at the temperature predetermined for its proper use. And respondent argues, Mead's new combination had an entirely different mode of operation from any "wireless" lighter then in existence and from any thermostatically controlled electric device.[4]

[1] [2] We may concede that the functions performed by Mead's combination were new and useful.

[3] A patent holding company which holds the Mead patent under mesne assignments. No issue, however, is raised under the assignment statute.

[4] Respondent argues that Mead's combination was different from any prior thermostatic device because in the latter the operation of the thermostat was placed either under the control of some other thing such as the sole plate of an electric iron or under the control of an auxiliary resistance. The point is that in Mead's combination the effective operation of the thermostat was placed under the sole control of the temperature of the working resistance. We agree, however, with the court below that any such difference was merely one of detail of design of which Mead's invention cannot rest. In any case, it is the temperature created in the vicinity of the thermostat that is effective. The manner in which it is transmitted to the thermostat does not rise to the dignity of a patentable device.

But that does not necessarily make the device patentable. Under the statute (35 U. S. C. § 31; R. S. § 4886) the device must not only be "new and useful," it must also be an "invention" or "discovery". *Thompson* v. *Boisselier*, 114 U. S. 1, 11, 31 O. G. 377. Since *Hotchkiss* v. *Greenwood*, 11 How. 248, 267, decided in 1851, it has been recognized that if an improvement is to obtain the privileged position of a patent more ingenuity must be involved than the work of a mechanic skilled in the art. *Hicks* v. *Kelsey*, 18 Wall. 670; *Slawson* v. *Grant Street R. R. Co.*, 17 Otto 649; *Phillips* v. *Detroit*, 111 U. S. 604; *Morris* v. *McMillin*, 112 U. S. 244, 29 O. G. 951; *Saranac Automatic Machine Corp.* v. *Wirebounds Patents Co.*, 282 U. S. 704, 405 O. G. 277; *Honolulu Oil Corp.* v *Halliburton*, 306 U. S. 550, 504 O. G. 287.

"Perfection of workmanship, however much it may increase the convenience, extend the use, or diminish expense, is not patentable."

Reckendorfer v. *Faber*, 2 Otto 347, 356–357. The principle of the Hotchkiss case applies to the adaptation or combination of old or well known devices for new uses. *Phillips* v. *Detroit*, supra; *Concrete Appliances Co.* v. *Gomery*, supra; *Powers-Kennedy Contracting Corp.* v. *Concrete Mixing & Conveying Co.*, supra; *Electric Cable Joint Co.* v. *Brooklyn Edison Co.*, 292 U. S. 69, 445 O. G. 271; *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corp.*, supra; *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.*, 302 U. S. 490, 487 O. G. 431; *Toledo Pressed Steel Co.* v. *Standard Parts, Inc.*, 307 U. S. 350, 504 O. G. 845. That is to say the new device, however useful it may be, must reveal the flash of creative genius not merely the skill of the calling. If it fails, it has not established its right to a private grant on the public domain.

[3] Tested by that principle Mead's device was not patentable. We cannot conclude that his skill in making this contribution reached the level of inventive genius which the Constitution (Art. I, § 8) authorizes Congress to reward. He merely incorporated the well-known thermostat into the old "wireless" lighter to produce a more efficient, useful, and convenient article. Cf. *Electric Cable Joint Co.* v. *Brooklyn Edison Co.*, supra. A new application of an old device may not be patented if the "result claimed as new is the same in character as the original result" (*Blake* v. *San Francisco*, 113 U. S. 679, 683, 31 O. G. 380) even though the new result had not before been contemplated. *Pennsylvania R. R. Co.* v. *Locomotive Engine Safety Truck Co.*, 110 U. S. 490, 494, 27 O. G. 207, and cases cited. Certainly the use of a thermostat to break a circuit in a "wireless" cigar lighter is analogous to or the same in character as the use of such a device in electric heaters, toasters, or irons, whatever may be the difference in detail of design. Ingenuity was required to effect the adaptation, but no more than that to be expected of a mechanic skilled in the art.

[4] Strict application of that test is necessary lest in the constant demand for new appliances the heavy hand of tribute be laid on each slight technological advance in an art. The consequences of the alternative course were forcefully pointed out by Mr. Justice Bradley in *Atlantic Works* v. *Brady*, 17 Otto 192, 200:

"Such an indiscriminate creation of exclusive privileges tends rather to obstruct than to stimulate invention. It creates a class of speculative schemers who make it their business to watch the advancing wave of improvement, and gather its foam in the form of patented monopolies, which enable them to lay a heavy tax upon the industry of the country, without contributing anything to the real advancement of the arts. It embarrasses the honest pursuit of business with fears and apprehensions of concealed liens and unknown liabilities to lawsuits and vexatious accountings for profits made in good faith."

Cf. Mr. Justice Campbell dissenting in *Winans* v. *Denmead*, 15 How. 330, 344, 345, 347; Hamilton, Patents and Free Enterprise, Mon. No. 31; Investigation of Concentration of Economic Power, Temporary National Economic Committee, 76th Cong., 3d Sess., ch. VIII (1941).

[5] Such considerations prevent any relaxation of the rule of the Hotchkiss case as respondent would seem to desire.

Reversed.

Mr. Justice FRANKFURTER concurs in the result.

Mr. Chief Justice STONE.

I concur in the result.

I agree that the use of the well known thermostatically controlled heating circuit exemplified by Copeland, with the removable wireless heating unit plug of Morris, in substitution for the manually controlled circuit which had previously been used with the plug, exhibited no more than the skill of the art. The doubt which the court below resolved in favor of patentability because Copeland's invention was "still-born" should, I think, have been resolved in favor of petitioners because Mead was likewise still-born so far as its substantial commercial success is concerned.

The commercially successful structure for which respondent claims the protection of the Mead patent and which the court below thought satisfied a felt need, is not the structure described by Mead. Both embody the combination of a thermostatically controlled heating circuit with a heating unit borne on a removable wireless plug and used as a means to close the circuit. But they differ structurally in a number of particulars.

To mention only the more important, Mead showed a rotatable socket which is turned by manually rotating the plug when placed in the socket, so as to close the heating circuit. A laterally extending pin projecting from the side of the plug in the Mead structure engages with a spring latch outside the socket to hold the plug and socket in the circuit closing position to which they have been rotated until the latch is released by the thermostatic control, thus permitting the plug and the socket, which is activated by a spring, to rotate back to the open circuit position. The base required for the accommodation of the rotating socket and its externally operated mechanism was large

and cumbersome. Respondent's commercial structure, like the alleged infringing device, utilizes a fixed socket within which the thermostatic circuit control is located and into which the heat unit carrying plug may be inserted without necessity of rotating it as in the case of the rotating plug with the projecting pin shown by Mead. The thermostatically controlled circuit is closed by pressing the plug further into the socket, the plug being restored to an open circuit position by a spring carried on the plug, when the latch maintaining the closed circuit is thermostatically released.

The commercially exploited device because of the differences in its structure from that shown by Mead is the more compact and easily operated. Its utility as a lighter to be located on the dash of an automobile, which is said to be the merit of the Mead invention, is obvious. If the improvements resulting in such utility involved invention it is not the invention of Mead. If they exhibited only the skill of the art their success cannot be relied on to establish invention by Mead, who did not show or make them. The case is therefore not one for the application of the doctrine that commercial success or the manifest satisfaction of a felt need will turn the scale in favor of invention.

Mr. Justice FRANKFURTER joins in this opinion.

Supreme Court of the United States

THE AUTOMATIC DEVICES CORPORATION

v.

SINKO TOOL & MANUFACTURING COMPANY

No. 6. Decided November 10, 1941

[— U. S. —]

PATENTABILITY—LIGHTER.

Judgment that claims 2, 3, and 11 of Mead Patent No. 1,736,544, for a lighter, are invalid, affirmed.

ON WRIT of certiorari to Circuit Court of Appeals for the Seventh Circuit. Judgment affirmed.

Mr. Drury W. Cooper (*Mr. Henry M. Huxley* and *Mr. Thomas J. Byrne* with him on the brief) for petitioner.

Mr. Russell Wiles and *Mr. Bernard A. Schroeder* (*Mr. George A. Chritton* and *Messrs. Chritton, Wiles, Davies & Hirschl* with them on the brief) for respondent.

Mr. Justice DOUGLAS delivered the opinion of the Court.

This is a companion case to *Cuno Engineering Corp.* v. *Automatic Devices Corp.*, No. 37, decided this day. The court below held that claims 2, 3, and 11 of the Mead patent (No. 1,736,544) were invalid and not infringed. 112 F.2d 335. We granted the petition for certiorari limited to the question of validity of those claims. For the reasons stated in *Cuno Engineering Corp* v. *Automatic Devices Corp.*, supra, the judgment is affirmed.

U. S. Court of Appeals for the District of Columbia

GENERAL MOTORS CORPORATION

v.

COE, COMMISSIONER OF PATENTS

No. 7,647. Decided June 16, 1941. Certiorari denied November 29, 1941. Rehearing denied December 22, 1941.

[120 F.(2d) 736]

1. APPEAL—RESOLUTION OF DOUBT IN FAVOR OF APPLICANT.

"We agree that the presence or absence of invention is doubtful in this case. But 'Whatever else may be said of older decisions that, in appeals from the Patent Office, doubt was to be resolved in favor of the applicant, they are obviously not law in relation to appeals from the district court.'"

2. SAME—RESOLUTION OF DOUBT IN FAVOR OF CORRECTNESS OF ACTION BELOW.

"It is the settled law of this court that we must sustain the findings of the Patent Office and the district court unless we think them clearly wrong. In other words doubt is to be resolved, in suits to obtain a patent as in suits of other sorts, in favor of the correctness of administrative and judicial action."

3. SAME—POINTS DISREGARDED.

Held that points not referred to in appellant's statement of the points to be relied upon on appeal, and not brought to the attention of the district court, will not be considered.

4. PATENTABILITY—MUFFLER.

Certain claims to a muffler consisting of a duct with one or more communicating branches or chambers proportioned or "tuned" to preselected sound waves passing through the duct *Held* properly denied to appellant.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Frank E. Liverance, Jr., (*Mr. John Boyle, Jr.*, with him on the brief) for appellant.

Mr. W. W. Cochran (*Mr. Mark Taylor* with him on the brief) for appellee.

Before GRONER, Chief Justice, and EDGERTON, and RUTLEDGE, Associate Justices

EDGERTON, *A. J.*:

This is a suit[1] to obtain a patent on "resonance units" for muffling the noises from the induction and exhaust systems of automobile engines. The application was made by Ernest E. Wilson in 1930. The device consists of a duct with one or more communicating branches or chambers proportioned or "tuned" to preselected sound waves passing through the duct so as to attenuate those which are objectionably loud. The Commissioner concedes that appellant has a patentable invention in certain structural forms of this device, and has allowed claims which recite them. He concedes that these forms have achieved great commercial success. The district court allowed certain additional claims, but dismissed appellant's bill as to those here in issue.

The references include Powell Patent 1,735,789 (1929) for a muffler for the exhaust from engines; the British Hooton Patent 121,212 (1918) for silencing the exhaust from engines; the German Zeppelin Patent 356,018 (1922) for a muffler; and certain treatises. Powell uses a number of cups. Hooton uses branch chambers, which "may be of various forms." Zeppelin also uses branch chambers.

The patents just cited do not use the term resonance, and appellant's expert testified without dispute that they do not operate as resonators. Appellant contends, perhaps correctly, that the patentees in question concerned themselves with gas pulse impact and not with sound waves. But Bourne Patent 1,845,903,[2] for a silencer, recites that noises caused by the mechanical discharging or sucking of masses of gas

"are necessarily complex in character, being made up of a mixture of sound waves of both high and low frequency, and it is often found that a very efficient silencer for high frequency waves gives poor results with low frequency waves and vice versa."

The "theory of resonators" had been explained at length by Lord Rayleigh, in a chapter so entitled in his treatise on Theory of Sound. His discussion is cited in appellant's application. Rayleigh derived formulae for calculating the pitch not only of simple resonators, but of compound resonators which "communicate by channels with each other and with the external air." He also discussed the use of resonators, as side branches of a main duct, to absorb sound occurring in the duct. He pointed out that for any given mouthpiece the pitch of a resonator is independent of shape and depends mainly upon volume, and that the cylindrical tube which he used for illustration might be replaced by any other resonator of the same pitch. An article[3] by G. W. Stewart in the Physical Review for 1926 indicates that a Helmholtz resonator will substantially attenuate sound waves, including those somewhat above and below its own frequency. Appellant's chambers are Helmholtz resonators. The modification of the muffling chambers of Hooton, etc., so as to apply the teachings of Rayleigh and Stewart was of great importance, but we cannot say that it clearly required the uncommon talent of an inventor. We cannot say that such talent was clearly required to conceive of selecting, by methods which were previously known, the particular sound waves which particular engines produced in such degree as to make it desirable to muffle them.

[1] [2] Appellant urges that, although the appealed claims were finally rejected by the Examiner and the Board of Appeals in the Patent Office, claims as broad had previously been approved by two other Examiners. Appellant urges that the doubt thus created should be resolved in favor of the inventor, and against the Patent Office and the district court. We agree that the presence or absence of invention is doubtful in this case. But

"Whatever else may be said of older decisions[4] that, in appeals from the Patent Office, doubt was to be resolved in favor of the applicant, they are obviously not law in relation to appeals from the district court."[5]

It is the settled law of this court that we must sustain the findings of the Patent Office and the district court unless we think them clearly wrong.[6] In other words doubt is to be resolved, in suits to obtain a patent as in suits of other sorts, in favor of the correctness of administrative and judicial action.

The substance of Rayleigh's work was published at least as early as 1896. Appellant urges that the lapse of many years, until Wilson's application was made in 1930, without the invention of an adequate muffler for automobile engines, is strong evidence that Wilson's device is inventive and appellant is entitled to a patent. A sufficient answer is that appellant has been granted a patent on several forms of Wilson's device. Moreover it may well be that, although some efforts to develop an effective muffler went on throughout the period, until about 1930 there was relatively little interest in the matter; for, as appellant's expert put it,

"There are noises arising from the body, various vibrating parts of the car, and its engine which a few years ago were very large. Through the skill of the engineer, they have been gradually reduced . . ."

The more other noises are reduced, the more noticeable and objectionable a given quantity of exhaust or intake noise becomes.

[3] [4] Appellant now argues that the denial of claims 109 and 126 is inconsistent with the granting of claim 92, which was rejected by the Patent Office but allowed by the district court; also that the district court failed to make "fact" findings, in support of its "conclusion of law" that the appealed claims were not patentable over the references. But appellant's statement of the points to be relied upon on the appeal refers to neither of these points, and it does not appear that either was brought to the attention of the district court. Therefore we do not consider them.

Affirmed.

[1] Under R. S. § 4915, U. S. C. Tit. 35, § 63.

[2] Though this patent was issued in 1932, the application was filed in 1928.

[3] Acoustic Transmission with a Helmholtz Resonator or an Orifice as a Branch Line. 27 Physical Rev. 487.

[4] E. g. *In re Coykendall*, 58 App. D. C. 280, 29 F. 2d 868.

[5] *Minnesota Mining & Mfg. Co.* v. *Coe*, 73 App. D. C. 146, 533 O. G. 263, 118 F. 2d 593, 594.

[6] *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F. 2d 499; *Eppensteiner* v. *Coe*, 72 App. D. C. 169, 114 F. 2d 457; 528 O. G. 248 *Wolf et al.* v. *Coe*, 72 App. D. C. 224, 112 F. 2d 857; *Daniels* v. *Coe*, 73 App. D. C. 54, 116 F. 2d 941, 518 O. G. 255; *Forward Process* v. *Coe*, 73 App. D. C. 100, 116 F. 2d 946, 524 O. G. 3.

U. S. Court of Appeals for the District of Columbia

THE FRICK-GALLAGHER MANUFACTURING COMPANY

v.

RO-TRAY CORPORATION ET AL.

No. 7,715. Decided August 4, 1941

[—F.(2d)—]

1. PATENTABILITY—INVENTION.

Where the plaintiff in support of the validity of a patent to F upon a display device urged that to eliminate a part without loss of its function or advantages is "the highest trait of genius"; that F accomplished this by making a new combination of old elements; that previous constructions had existed for many years before F's improvements were made; that F discovered the need as well as the method of saving space by use of an easily removable front without loss of strength; that F's device has had a highly favorable reception in the practical art, though it is more expensive to make than a prior art device; and that the F patent is prima facie valid *Held* that each of these considerations may be indicative of invention, but that none of them, nor all together, can be taken as conclusive.

2. SAME—SAME.

"Invention often consists in combining old features to create a new or simpler function. But anticipation of the features separately or in other combinations is not irrelevant to whether the specific combination is inventive. Whether that combination is thus forecast to the mind skilled in the art must depend upon the specific circumstances. It is more apt to be foretold when the improvement is one of detail or refinement than when it is of basic function."

3. PATENTS—VALIDITY—FRICK PATENT NO. 2,081,856.

Frick Patent No. 2,081,856 *Held* invalid for lack of invention over the prior art.

4. TRADE-MARKS—CONFUSING SIMILARITY—"ROTABIN" AND "RO-TRAY".

Plaintiff's registered trade-mark "Rotabin" and defendants' trade-mark "Ro-Tray" *Held* not confusingly similar.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Roberts B. Larson and *Mr. Robert Starr Allyn* for appellant.

Mr. David P. Wolhaupter and *Mr. Emory L. Groff* for appellees. No brief filed for appellees.

Before GRONER, Chief Justice, and EDGERTON and RUTLEDGE, Associate Justices

RUTLEDGE, *A. J.:*

The suit is for infringement of a patent, of a registered trade-mark, and for unfair competition, including infringement of a common law trade-mark. The plaintiff appeals from the trial court's decree for the defendant on all counts. We think the decree should be affirmed.

I.

Plaintiff owns, and alleges defendants have infringed, the Frick patent, No. 2,081,856.[1] The evidence may be taken to show infringement. But the trial court held the patent invalid for want of invention, and the first question relates to this ruling.

The alleged invention relates to a device for display of merchandise in hardware stores and other places. The goods ordinarily and typically shown are bolts, nuts, screws, nails, etc. The device consists of a series of separately rotating circular shelves mounted at the center upon a single standard or circular metal post. Each shelf is divided by partitions into several compartments. The partitions extend radially from the center, some being permanently constructed and acting as supports for the shelf, others being movable. The adjustability of the movable partitions permits increasing or decreasing the number of compartments as the owner's requirements dictate from time to time. At the shelf's outer edge is a removable front, which permits the use of a compartment for drawers with, it is said, great economy in space as compared with the prior art. This adjustability and economy, together with increased strength of the shelves, are the principal advantages claimed over previously existing devices. These functions and the methods used to achieve them are asserted to be inventive.

[1] The Mueller patent, No. 2,086,508, also was alleged to be infringed in respect to claim 15, but the claim was held invalid in view of the prior art and has been disclaimed.

As prior art the trial court relied largely on the Revolvo construction. This was made by the Wellston Manufacturing Company of Wellston, Ohio, for which plaintiff's officers, including the inventor, Paul H. Frick, were selling agents for many years before they organized and incorporated the plaintiff. Numerous exhibits showing different forms of the Revolvo shelving were introduced. The simpler types show separately rotating circular shelves mounted upon a single standard, each shelf having a continuous welded front and being divided into compartments by permanently constructed partitions or dividers radially disposed from the central sleeve or cylinder to the welded front. Other forms include also removable dividers, a plurality of drawer sections, removable shelves with upstanding bin fronts, removable bins, and trays or shelves with the front interrupted at selected points to receive drawer sections. The permanent dividers support the shelf, whether used alone or with removable dividers and whether with continuous or interrupted front.

The trial court found that the only additions made to the Revolvo tray by the Frick patent are: (*a*) the removable front; (*b*) the peripheral flange, a device for attaching the removable front to the shelf and for strengthening it; (*c*) a strengthening rib or groove extending around the shelf inwardly from the outer edge; and (*d*) the divider locator, a slot device at the hub or sleeve of the unit for receiving and holding the inner end of the removable partition. The court found that each of these features had been anticipated.[2] Plaintiff does not question this, but asserts that by its "new combination of separately old elements" increased strength and utility of shelving was obtained which amounted to invention.

As compared with Revolvo, plaintiff says Frick presented important differences in structure and function. Frick's economy of space is achieved principally when drawers are used, although a drawer is not an element of the claims. With the Revolvo open shelf having the continuous welded front, a false bottom was necessary to get the lower drawer above the front. The space beneath is lost. Frick avoids most of this by the removable front, though some waste remains on account of the strengthening peripheral flange. Revolvo avoids it also by another shelf construction which uses a roof portion for housing the drawers. But the roof construction is not adapted for use as an open shelf when the drawers are not needed. Revolvo drawers were rectangular, making up a small cabinet.

[2] The removable front it held to be "an old feature in the art," shown by the expired patents to Waters, No. 914,685, and to Staples, No. 1,336,490, and taught by one form of Revolvo shelving and by a prior publication. It held the peripheral flange "a common mechanical expedient in sheet metal work for stiffening purposes," and shown in numerus patents, including Grennan, No. 1,703,340, Knight, No. 969,959, and Dunn, No. 408,801, as well as the Revolvo continuous welded bin front. The "strengthening rib or groove" likewise was held a "common mechanical expedient for stiffening sheet metal," and shown in the patents to Grennan and Dunn. The "divider locator" was found anticipated by Bradley, No. 574,380, Donaldson, No. 727,107, Siffert, No. 1,372,100, and Knight.

Frick's drawers are pie-cut shaped, to fit without waste into the shelf compartment. Revolvo customers could purchase open type shelves or drawer type, but if their needs changed could not shift existing shelf sections from one type to the other. Frick was readily adjustable. Frick's adjustability was achieved without loss of strength by use of the stiffening peripheral flange in place of the continuous welded front and adding the strengthening rib or groove. It was claimed too that the removable front eliminated objectionable tension of the Revolvo front and decreased the danger of lateral distortion of the Revolvo permanent dividers. Likewise it is said this danger is reduced by the divider locators.

Taking all these features and advantages together, plaintiff says that, whereas in Revolvo two types of construction were required, one for drawers, the other for open shelving only but adapted to receive drawers with objectionable loss of space, Frick made possible a single construction possessing the utility of each of the former types.

[1] It may be accepted that Frick has made substantial improvement over any single preexisting construction in economy of space and adjustability without loss of strength. As showing that this amounted to invention, plaintiff urges: that to eliminate a part without loss of its function or advantages is "the highest trait of genius"; that Frick accomplished this by making a new combination of old elements; that previous constructions had existed for many years before Frick's improvements were made; that he discovered the need as well as the method of saving space by use of an easily removable front without loss of strength; that Frick has had a highly favorable reception in the practical art, though it is more expensive to make than Revolvo; and, finally, that the Frick patent is prima facie valid.

[2] Each of these considerations may be indicative of invention. But none of them, nor all together, can be taken as conclusive, especially to overthrow findings as detailed and well considered as were those of the trial court. It is true that invention often consists in combining old features to create a new or simpler function. But anticipation of the features separately or in other combinations is not irrelevant to whether the specific combination is inventive. Whether that combination is thus forecast to the mind skilled in the art must depend upon the specific circumstances. It is more apt to be foretold when the improvement is one of detail or refinement than when it is of basic function.[3]

[3] The improvement here was of the former character. The primary objects were the saving and adjustability of space. Drawers were not part of the claims, but their use created the principal problems of waste in space. The problems were obvious and we think the solutions were also. Since the compartments were shaped like a cut of pie, it seems patent that the drawers should be similarly shaped for the greatest economy. Genius was hardly required to discover this. The same is true as to the saving of the space beneath the drawers. The obvious way to do this was to cut down or remove the front. If teaching of this were needed, it was shown in earlier shelving, rotating and stationary. Adjustability of open compartments by movable dividers was clearly taught by Revolvo construction. These changes, however, created problems of strengthening the shelves, since they removed some of the supports previously existing. Frick's principal devices for adding strength were the peripheral flange and the strengthening rib or groove. Adding the latter was in no sense inventive. Any mechanic familiar with sheet metal would have suggested it. The flange, in this function, was really but a lower continuous welded or attached front, forecast by Revolvo's front. The other strengthening devices, except the permanent dividers anticipated by Revolvo, appear to have been incidental in this function to others. Finally, the divider locator hardly required more than ordinary mechanical skill to devise. It is a simple metal plate fixed to the sleeve or hub of the shelf, having slots into which are slipped the inner ends of the dividers or partitions.

Taken separately or together we cannot say the trial court was wrong in finding the conception and execution of these improvements was not the work of genius. The finding that the patent to Frick was invalid, and therefore that there was no infringement, must be sustained.

[3] *Krause* v. *Coe*, — App. D. C. —, 120 F.(2d) 717, 527 O. G. 844, (No. 7584, decided May 5, 1941).

II.

[4] We think the district court also was correct in holding that plaintiff's registered trade-mark "'Rotabin'" and the defendants' trade-mark "Ro-Tray" are not confusingly similar. The respective trade-mark emblems consisted of circular devices with the words "'Rotabin'" and "Ro-Tray," respectively, printed on a light horizontal strip or area extending across the center of the mark. Both emblems used both red and black ink. But the resemblance ended with these features. "'Rotabin'" was printed with letters of uniform size. "Ro-Tray" appeared in an entirely different style of type and in letters not uniform in height. Plaintiff's emblem contained no printing except the word "'Rotabin.'" Defendants' emblem had printed around the borders and in the spaces immediately above and below the word "Ro-Tray" the distinctively identifying matter: "Ro-Tray Corporation, Washington, D. C., Store The Modern Way, Rotary Steel Shelving." The shape and arrangement of the colored and light areas were entirely different. The similarities of the emblems are much less striking than their differences, and the court's finding that the marks are not similar in sound or appearance was clearly right.[4]

[4] *McGraw-Hill Publishing Co.* v. *American Aviation Associates*, 73 App. D. C. 131, 117 F.(2d) 293 (1940), 524 O. G. 293.

III.

It is unnecessary to review in detail the evidence relating to alleged unfair competition. The court found that the evidence failed to establish that unfair competition existed, and after an examination of the evidence we see no reason to disturb the finding. Plaintiff attempted to show that defendants used photographs of plaintiff's equipment in their advertising matter as representing their own equipment and installations. There was an effort also to show that defendant Mount violated a duty of confidence owed by him to plaintiff as its sales representative, by using in his own business a confidential list of customers given him by plaintiff for use in representing it. The evidence offered to substantiate these charges was slight, if not flimsy. The so-called customer lists were obtained from the plaintiff, but the evidence shows they were not confidential. Some of the names were merely of prospects, not customers, and others were readily available to all from public documents. The evidence might have sustained a finding that some of the photographs appearing in defendants' advertising matter were pictures or artists' reproductions of photographs of equipment which was in part plaintiff's construction. But the court found that both plaintiff and defendant

"used photographs of Revolvo shelving to illustrate the *type* of shelving, and all photographs in evidence were used for that purpose." [Italics supplied.]

It found also that the evidence shows "there was no palming off of plaintiff's goods by defendants" and that they violated no business or confidential relation to plaintiff. Furthermore, as the court found, there was no evidence showing that plaintiff had suffered damage by reason of defendants' manufacture and sale of rotary shelving. There was, therefore, ground for neither legal nor equitable relief.[5]

The decree is affirmed.

[5] *McGraw-Hill Publishing Co.* v. *American Aviation Associates*, 73 App. D. C. 131, 117 F.(2d) 293 (1940), 524 O. G. 293.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,481,127, H. H. Doering, Print machine; 1,504,221, Doering & Doering, Butter working and print machine; 1,683,873, 2,143,304, same, Butter print machine; 1,799,504, same, Continuous butter working machine; 1,848,405, Aldrich & Morris, Machine for shaping and cutting butter, D. C. N. J., Doc. 725, *Charles Doering et al.* v. *Albert Sharp et al.* Decree Dec. 1, 1941.

1,504,221. (See 1,481,127.)

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch finish, D. C., N. D. Ohio, E. Div., Doc. 20684, *United Chromium, Inc.*, v. *The Royal Brass Mfg. Co.* Consent decree holding claims 4, 6, 10, and 13, as limited by disclaimer, and claim 18 of 1,581,188, and claims 1–4 inclusive of 1,802,463 valid and infringed, injunction Dec. 11, 1941.

1,683,873. (See 1,481,127.) 1,699,947. (See 1,772,571.)

1,721,540, J. Schick, Shaving implement; 1,747,031, 1,757,978, same, Shaving machine, D. C., E. D. Va. (Richmond), Doc. E 421, *Schick Dry Shaver, Inc., et al.* v. *American Safety Razor Corp.* Dismissed, and consented to by counsel (notice Dec. 19, 1941).

1,736,544, H. E. Mead, Cigar lighter; 2,129,374, A. A. Johnson, Electric cigar lighter, D. C., N. D. Ill., E. Div., Doc. 76, *The Automatic Devices Corp.* v. *Leterstone Sales Co.* By agreement of counsel cause dismissed without prejudice Dec. 1, 1941.

1,747,031. (See 1,721,530.) 1,757,978. (See 1,721,530.)

1,763,046, D. D. Heimburger, Automobile washing apparatus; 1,801,553, same, Car washing apparatus, D. C., S. D. Calif. (Los Angeles), Doc. 601 Y, *Kelite Products, Inc.*, v. *Hallett Mfg. Co.* Suit dismissed as to 1,763,046, and 1,801,553 held valid and infringed, injunction; counterclaim dismissed Dec. 16, 1941.

1,772,571, W. Withington, Broom rake; Re. 17,980 (of 1,699,947), Bell & Skelly, Lawn rake, D. C. N. J., Doc. E 4221, *American Fork & Hoe Co.* v. *Eastern Tool & Mfg. Co.* Stipulation and order dismissing bill Jan. 2, 1932.

1,799,504. (See 1,481,127.)

1,801,193, J. M. Darst, Bag closure; 2,107,216, H. L. Rogers, Receptacle and closure therefor, D. C., S. D. N. Y., Doc. 15/130, *Seco-Leather Products Co.* v. *Rogers Imports, Inc.* Consent order dismissing complaint without prejudice Dec. 8, 1941.

1,801,553. (See 1,763,046.) 1,802,463. (See 1,581,188.)

1,825,614, J. Eggert, Cover for the discharge openings of concrete mixing drums; Re. 19,085, G. Jaeger, Truck concrete mixer, D. C., S. D. Ohio (Dayton), Doc. 71, *The Jaeger Machine Co.* v. *Moraine Gravel & Sand Co.* Dismissed by agreement Dec. 12, 1941.

1,826,893. (See Des. 92,009.)

1,845,660, 1,845,661, H. Haven, Fluid-mixing apparatus, filed Nov. 13, 1941, D. C. Md., Doc. 1432, *J. Mills Newton et al.* v. *General Dry Batteries, Inc.*

1845,661. (See 1,845,660.)

1,845,922, A. S. Marchus, Air hose connection; 1,892,435, same, Combined tire gauge and filling valve; 2,012,540, same Tire gauge, D. C., N. D. Ill., E. Div., Doc. 242, *Ames Supply Co. et al.* v. *Cochrane Sales Co.* Dismissed without prejudice Dec. 4, 1941.

1,848,405. (See 1,481,127.) 1,892,435. (See 1,845,922.)

1,928,748, H. F. Young, Concrete floor construction; 1,938,887, same, Concrete floor structure, D. C. Md., Doc. 794, *L. S. Young et al.* v. *John McShain, Inc.* Claims 2, 4, 6, and 7 of 1,928,748 and claims 4, 5, 8, 9, and 10 of 1,938,887 held invalid for lack of invention; bill dismissed Nov. 7, 1941.

1,934,398. (See 2,115,967.) 1,938,887. (See 1,928,748.)

1,944,439. (See Des. 92,009.)

1,948,125, C. H. Nordell, Screen; 2,085,326, same, Comminuter, D. C., N. D. Ill., E. Div., Doc. 570, *Chicago Pump Co. et al.* v. *International Filter Co.* Claims 2, 3, and 4 of 1,948,125 held valid and infringed, injunction Mar. 7, 1940. Decree reversed June 6, 1941. Bill dismissed pursuant to Mandate Oct. 2, 1941. 2,085,326 withdrawn at trial.

1,962,395. (See Re. 19,562.)

1,999,513, J. R. Morrison, Rod baking; 2,156,303, Morrison & Lewis, Rod baking equipment, filed Dec. 18, 1941, D. C., N. D. Ohio, E. Div., Doc. 21075, *The Carl-Mayer Corp.* v. *The Morrison Engineering Corp. et al.*

2,005,752. (See 2,087,041.) 2,012,540. (See 1,845,922.)

2,018,796, J. E. Layton, Protective headgear for chickens; Des. 129,580, D. Eisen, Chicken guard; 2,154,105, H. Nadler, Mask for fowls, filed Nov. 6, 1941, D. C., S. D. N. Y., Doc. 16/214, *J. E. Layton* v. *National Poultry Products Co.*

2,032,887. (See 2,087,041.) 2,053,406. (See 2,087,041.)

2,053,407. (See 2,087,041.)

2,067,763. (See Des. 92,009.)

2,079,107. (See Re. 19,562.)

2,081,031. (See Re. 20,170.)

2,085,326. (See 1,948,125.)

2,087,041, C. Pfanstiehl, Method of forming metallic tips; 2,032,887, same, Method of tipping metallic bases; 2,053,406, 2,053,407, same, Pen-point; 2,005,752, same, Method of preparing pen-points, D. C. N. J., Doc. E 5892, *Pfanstiehl Chemical Co.* v. *American Platinum Works et al.* Decree for injunction Nov. 5, 1941.

2,107,216. (See 1,801,193.)

2,107,449, H. J. Marlowe, Exercising machine; 2,173,691, same, Exercising toy, D. C., S. D. N. Y., Doc. 16/154, *Exercycle Corp. et al.* v. *Contour-A-Form Equipment Co.* Consent judgment (notice Dec. 3, 1941).

2,115,423, C. Korver, Method and device for transporting wires; 2,162,847, same, Flash lamp, filed Dec. 8, 1941, D. C., E. D. N. Y., Doc. 2430, *Wabash Photolamp Corp. et al.* v. *Ross Electric Corp.*

2,115,967, M. J. Schifrin, Composite fabric; 1,934,398, A. Benowitz, Manufacture of yarn, D. C. N. J., Doc. 448, *M. J. Schiffrin et al.* v. *O. J. Ciresa.* Decree for defendant Nov. 24, 1941.

2,123,114, G. Looper, Tufting machine; 2,214,767, W. T. Kenner et al., Tufting attachment for sewing machines, D. C., N. D. Ga. (Rome), Doc. 387, *Glenn Looper* v. *Carolyn Chenille, Inc.* Dismissed with consent of Counsel Nov. 17, 1941.

2,129,374. (See 1,736,544.)

2,133,913. (See Re. 20,170.)

2,143,304. (See 1,481,127.) 2,154,105. (See 2,018,796.)

2,156,303. (See 1,999,513.) 2,162,847. (See 2,115,423.)

2,173,691. (See 2,107,449.)

2,176,408, E. M. Peterson, Frozen confection and art of making same; 2,176,409, same, Manufacture of frozen confections, filed August 7, 1940, D. C. Utah (Salt Lake City), Doc. 152, *Paramount Ice Cream Co.* v. *Mid-Western Dairy Products Co. et al.*

2,176,409. (See 2,176,408.)

2,202,713, S. Myerson, Artificial tooth; 2,230,164, same, Method of making artificial teeth, filed Dec. 18, 1941, D. C., S. D. N. Y., Doc. 17/16, *Ideal Tooth, Inc.*, v. *Dentists' Supply Co. of New York.*

2,214,767. (See 2,123,114.) 2,230,164. (See 2,202,713.)

Re. 17,980. (See 1,772,571.)

Re. 19,085. (See 1,825,614.)

Re. 19,562 (of 1,962,395), J. Jones, Mask for fowls; 2,079,107, J. C. Cridlebaugh, Device to prevent picking in poultry, filed Nov. 10, 1941, D. C., W. D. Wash., N. Div., Doc. 441, *The Marvel Co.* v. *Montgomery Ward & Co.*

Re. 20,170, 2,081,031, K. Berger, Swivel harp fixture for electric lamps; 2,133,913, same, Harp swivel, D. C., N. D. Ill., E. Div., Doc. 1468, *K. Berger* v. *Chilo Mfg. & Plating Co.* By stipulation cause dismissed without prejudice Dec. 1, 1941.

Des. 92,009, N. P. Larsen, Motor vehicle; Des. 100,868, same, Vehicle body; Des. 105,114, same, Vehicle body roof; 1,826,893, same, Ladder support; 1,944,439, same, Motor vehicle body construction; 2,067,763, J. Holan, Receptacle, D. C., N. D. Ohio, E. Div., Doc. 20194, *American Coach & Body Co.* v. *Baker Rau-Lang Co.* Dismissed Dec. 9, 1941.

Des. 100,868. (See Des. 92,009.)

Des. 105,114. (See Des. 92,009.)

Des. 119,994. (See Des. 124,994.)

Des. 124,994, Des. 119,994, I. Cummings, Textile fabric, D. C., S. D. N. Y., Doc. 13/176, *Shamokin Woolen Mills, Inc.*, v. *Cortille Fabrics, Inc.* Consent judgment (notice Dec. 10, 1941).

Des. 129,580. (See 2,018,796.)

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Jan. 5, 1942.*

National Food Products Corporation, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Squirt Company, 8438 Wilshire Boulevard, Beverly Hills, Calif., to effect the cancellation of registration No. 181,557, issued March 25, 1924, to National Food Products Corporation, Inc., 161 North Anderson Street, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said National Food Products Corporation, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said National Food Products Corporation, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING DECEMBER, 1941

WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF MCKESSON & ROBBINS, INC., DEBTOR, *v.* CHARLES WHITEHEAD, Opposition No. 20,046.

In a decision rendered December 2, 1941 (163 Ms. Dec. 868, 51 U. S. P. Q. 506), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences, and thereby sustained the opposition of William J. Wardall, of New York, N. Y., Trustee of the Estate of McKesson & Robbins, Inc., Debtor, to the application of Charles Whitehead, of Wickatunk, N. J., for registration of the notation "Mosqui-Bar" as a trade-mark for "mosquito repellent which is a liquid for applying to the exposed parts of the body, the odor of which repels mosquitoes." The opposition was based upon opposer's ownership of the trade-mark "Mosquitone" for "preparations for repelling mosquitoes and healing their bites."

The First Assistant Commissioner found the goods of the parties to be substantially identical, and concluded that their marks are too nearly alike to be used concurrently without likelihood of confusion.

WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF MCKESSON & ROBBINS, INC., DEBTOR (MCKESSON & ROBBINS, INC., SUBSTITUTED) *v.* YBRY, INC., Opposition No. 19,709.

In a decision rendered December 2, 1941 (163 Ms. Dec. 869, 51 U. S. P. Q. 505), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences, and thereby sustained the opposition of William J. Wardall, of New York, N. Y., Trustee of the Estate of McKesson & Robbins, Inc., Debtor, to the application of Ybry, Inc., of New York, N. Y., for registration of the word "Odorade" in association with a design as a trade-mark for "cologne, perfumes, and toilet waters." Opposer relied upon its ownership of the trade-mark "Yodora" for a deodorant.

In his decision the First Assistant Commissioner said:

"I am clearly of the opinion that applicant's goods and those of opposer possess the same descriptive properties, and I am unable to agree with the Examiner of Interferences that their sale under the marks in question would not be reasonably likely to result in confusion. The two marks differ in appearance, but opposer's mark may be so pronounced as to be very closely simulated in sound by the word of applicant's mark. And as stated by the Court of Customs and Patent Appeals in *Traders Oil Mill Co.* v. *Lever Brothers Co.*, 26 C. C. P. A. 899, 100 Fed. (2d) 249:

"'That similarity in sound alone is sufficient to constitute confusing similarity between marks is well established.'"

The First Assistant Commissioner also concluded that applicant's mark as presented should be refused registration on the ex parte ground that the word "Odorade" is merely descriptive of applicant's goods. He stated:

"Webster's New International Dictionary defines the word 'odor' as: 'Something that emits a sweet or pleasing scent, as incense, spice, a flower, etc.; a perfume.' According to the same authority the suffix '-ade' is: 'A noun suffix * * * signifying * * * thing made (by a certain act or process or from certain materials).' In combining the two words it seems manifest that applicant has devised an expression aptly describing the character of its merchandise. If, upon further appeal, applicant should prevail in the opposition proceeding, it will therefore be required to disclaim this descriptive expression before its mark will be registered."

CARITY HOSIERY COMPANY *v.* WEINSTEIN CO., INC., Opposition No. 20,788.

In a decision rendered December 2, 1941 (163 Ms. Dec. 868, 51 U. S. P. Q. 506), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing on the motion of Weinstein Co., Inc., of San Francisco, Calif., the applicant, the opposition filed by Carity Hosiery Company, of Philadelphia, Pa.

In the notice of opposition it was alleged that the members of the opposing firm "believe we will be damaged by such registration," and that

"'The grounds for opposition will be more fully set forth in our formal opposition * * *.'"

This notice the First Assistant Commissioner found "palpably insufficient."

KELLOGG COMPANY *v.* MARY DODGE, Opposition No. 19,960.

In a decision rendered December 10, 1941 (163 Ms. Dec. 871, 51 U. S. P. Q. 507), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences, and thereby sustained the opposition of Kellogg Company, of Battle Creek, Mich., to the application of Mary Dodge, of Studio City, Calif., for registration of the notation "Choc-Co-Pops" as a trade-mark for "chocolate-coated popcorn and popped cereals."

Opposer relied upon its ownership of a registration of the trade-mark "Pops" for cereal breakfast foods. The Examiner held the goods of the parties to be of different descriptive properties, relying upon the case of *Paul F. Beich Co.* v. *Kellogg Toasted Corn Flakes Co.*, 49 App. D. C. 186, 262 Fed. 640, wherein it was stated that

"the general and essential characteristics of breakfast foods and candy are different, and we are of opinion that the use of a mark by a dealer in one leaves its use open to a manufacturer of the other."

The First Assistant Commissioner said:

"It clearly appears from the evidence that the cereal breakfast foods to which opposer's registered mark has been applied are puffed wheat and puffed rice, and that applicant's so-called 'popped' cereals are likewise puffed wheat and puffed rice; the terms 'popped' and 'puffed' being used interchangeably by both parties, and having the same meaning as applied to their respective products. It is my opinion that the chocolate coating of applicant's 'popped' cereals changes neither their 'general and essential characteristics' nor their descriptive properties, and that a purchaser familiar with opposer's uncoated 'popped' cereals sold as 'Pops' might reasonably be expected to assume that applicant's 'Choc-Co-Pops,' differing only in that they are chocolate coated, have the same origin."

BREYER ICE CREAM COMPANY *v.* MARY DODGE, Opposition No. 20,008.

In a decision rendered December 10, 1941 (163 Ms. Dec. 872, 51 U. S. P. Q. 508), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Breyer Ice Cream Company, of Philadelphia, Pa., to the application of Mary Dodge, of Studio City, Calif., for registration of the notation "Choc-Co-Pops" as a trade-mark for "chocolate-coated popcorn and popped cereals." Opposer predicated its opposition upon its ownership of the trade-mark "Choco-Pop" for "frozen confection."

The First Assistant Commissioner stated that the only question for determination by him was whether or not the goods to which the respective marks are applied possess the same descriptive properties. In agreeing with the Examiner that that question should be answered in the affirmative, the First Assistant Commissioner said:

"Opposer's frozen confection is a chocolate-coated ice cream bar mounted on a stick. Its retail price is five cents. Applicant's product consists of individually chocolate-coated kernels of popcorn, puffed wheat, and puffed rice. It is sold in packages of various sizes, ranging in price from one cent to two dollars. Some of these packages are approximately the same size as opposer's ice cream bar, and sell for the same price. Both, of course, are confections, and as such are directly competitive. They are not now sold in the same stores, but there is no reason why they should not be in the future, it being a matter of common knowledge that similar goods of others are sold side by side in many confectionaries. Nor is it of material importance that opposer's goods require refrigeration while applicant's do not. That is likewise true of ice cream and coffee, which were held to be of the same descriptive properties in the recent case of *Dwinnel-Wright Co.* v. *Gundlach*, 28 C. C. P. A. 1348, 121 Fed. (2d) 639."

In the brief on appeal the applicant presented the following argument:

"When the goods are not identical, as is the case here, it is submitted that the question of whether or not the goods are of the same descriptive properties is largely determined by the answer to the question of whether or not it could be reasonably expected that the opposer would branch out or extend its business into the manufacture of the applicant's goods."

In regard to this argument the First Assistant Commissioner stated:

"The test, however, is not whether opposer is actually likely to engage in the manufacture or sale of goods identical with applicant's, but rather 'whether the goods of the respective parties are so related, commercially or otherwise, that, when marketed under the involved trade-marks, the purchasing public might reasonably conclude that they originated with the same concern.' *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. 1168, 83 Fed. (2d) 687."

EX PARTE LAMSON & CO., INCORPORATED, Serial No. 431,362.

In a decision rendered December 10, 1941 (163 Ms. Dec. 875, 51 U. S. P. Q. 509), *First Assistant Commissioner Frazer* dismissed a petition for reconsideration of his decision of October 21, 1941 (532 O. G. 778, 51 U. S. P. Q. 230), affirming the refusal by the Examiner of Trade-Marks of registration to Lamson & Co., Incorporated, of Leominster, Mass., of the trade-mark "Elmwood Farm." The First Assistant Commissioner noted that he was without jurisdiction to entertain the petition, in view of the filing on the same day as the said petition of a notice of appeal from his decision to the Court of Customs and Patent Appeals. He cited the case of *In re Allen*, 28 C. C. P. A. 792, 115 F. (2d) 936.

EX PARTE ATWOOD, MARSTON & CO., INC., Serial No. 437,078.

In a decision rendered December 11, 1941 (163 Ms. Dec. 873, 51 U. S. P. Q. 532, *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration under the provisions of the act of February 20, 1905, to Atwood, Marston & Co., Inc., of Boston, Mass., of a mark for "sanding machines for vehicles," including the notations "Safe-T" and "Sure-Grip" and "Sand-R," distinctively displayed.

Applicant disclaimed the words "Safe-T" and "Sand-R." It was the Examiner's opinion that while the remaining expression, "Sure-Grip," is "probably not directly descriptive of the goods," it is nevertheless "so subordinate to the rest of the mark" as to leave the mark as a whole "merely" descriptive.

The First Assistant Commissioner considered the term "Sure-Grip" to be descriptive per se. He said:

"Applicant's device with which the mark is used is described by the Examiner as 'a machine to be carried as accessory to a vehicle and for use in distributing sand on the roadway in the path of the vehicle's tires.' Applicant concedes that this is an accurate description, and further concedes that 'the words "Sure-Grip" are suggestive of the ability of the sanding machine so to distribute the sand as to insure nonslippage between the tire of the vehicle and the ground upon which the sand is distributed.'

"Colloquially, at least, a vehicle tire is said to 'grip' the roadway. The purpose and function of applicant's machine when in use is to improve such 'grip,' or, in other words, to provide a 'sure grip.' These words are thus descriptive of the use for which the machine is intended, and are not subject to exclusive trade-mark appropriation. See *In re General Permanent Wave Corporation*, 28 C. C. P. A. 1099, 118 Fed. (2d) 1020, and cases there cited."

The applicant pointed to the distinctive appearance of its mark as a whole, but the First Assistant Commissioner ruled that distinctiveness of display adds nothing to the registrability of a descriptive mark.

DR. SALSBURY'S LABORATORIES *v.* ENRICH PRODUCTS CO., INC. (AMERICAN DIETAIDS COMPANY, INC., ASSIGNEE, SUBSTITUTED), Opposition No. 19,534.

In a decision rendered December 29, 1941 (163 Ms. Dec. 876, 51 U. S. P. Q. 300), *First Assistant Commissioner Frazer* denied a petition by the opposer, Dr. Salsbury's Laboratories, of Charles City, Iowa, for reconsideration of his decision of October 31, 1941, reversing the decision of the Examiner of Interferences and dismissing the opposition (532 O. G. 779, 51 U. S. P. Q. 300). In denying the petition, the First Assistant Commissioner took the opportunity of correcting a typographical error in his earlier decision. That decision contains the following sentence:

"To some extent 'Rota-Caps' and 'Rotamine' are sold in the same stores, but that fact is of no importance, because opposer does not claim that these two marks are confusingly similar, and obviously they are not."

The First Assistant Commissioner directed that in that sentence the word "Ritamine" should be substituted for the word "Rotamine."

MCGRAW ELECTRIC COMPANY V. WOOD HYDRAULIC HOIST AND BODY COMPANY (BY CHANGE OF NAME, GAR WOOD INDUSTRIES, INC.), Cancelation No. 3695.

In a decision rendered December 30, 1941 (163 Ms. Dec. 875, 52 U. S. P. Q. 130), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition of McGraw Electric Company, of Elgin, Illinois, for cancelation of trade-mark registration No. 324,447, issued May 21, 1935, to Wood Hydraulic Hoist and Body Company, of Detroit, Michigan.

The mark of the registration which the petitioner sought to cancel is a composite mark and, as stated by the First Assistant Commissioner, includes as a prominent feature the disclaimed notation "Tempered-aire." This mark is appropriated to "air conditioners for domestic and similar use, and oil burning direct fired air heating units and indirect air heating units." Petitioner relied upon use of the single word "Temperdaire" in connection with merchandise of the same descriptive properties. In his decision the First Assistant Commissioner said:

"There being no question but that the two marks are confusingly similar, it remains only to determine whether or not petitioner has established priority of use. I am constrained to agree with the Examiner of Interferences that it has not.

"Antedating respondent's first use of its mark, the only sale made by petitioner of goods alleged to have borne the mark upon which petitioner relies occurred on September 9, 1932. There is ample proof of the sale, but no direct evidence that the mark was affixed to the goods. As respondent's registration discloses use of the registered mark since September 14, 1932, only five days later than petitioner's first sale, the importance of such evidence was manifest from the outset, and its absence from the record necessarily creates a doubt as to its availability. That doubt must be resolved against petitioner."

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 27, 1942

[VOL. 534. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 448,907. HODGMAN RUBBER COMPANY, Framingham, Mass. Filed Nov. 25, 1941.

Coolpak

REFRIGERATOR BAG

No claim is made to the words "Refrigerator Bag" apart from the mark.

FOR REFRIGERATOR BAGS.

Claims use since Oct. 21, 1941.

Ser. No. 449,010. ANABEL LARSON, Hoquiam, Wash. Filed Nov. 28, 1941.

SAVE STEP -TRAY

No claim is made to the word "Tray" apart from the mark.

FOR TRAYS MADE OF BASE METAL AND PLASTIC MATERIAL FOR HOLDING HAIRPINS AND BOBBY PINS.

Claims use since Oct. 15, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 438,132. SIDNEY HENRY, New York, N. Y. Filed Nov. 22, 1940.

LA SYLPHIDE

FOR PERFUMES, TOILET WATER, COLOGNE, BRILLIANTINES, HAIR PREPARATIONS, FACE POWDERS, LIPSTICKS, NAIL PREPARATIONS.

Claims use since Nov. 15, 1940.

Ser. No. 446,524. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Aug. 25, 1941.

SILK SHEEN FOUNDATION

FOR PERFUMES, FACE POWDER, DEODORANTS, CREAMS, LOTIONS, MASCARA, LIPSTICKS, ROUGE, AND SHAMPOO.

Claims use since Aug. 7, 1941.

Ser. No. 449,093. DAVID CRYSTAL INC., New York, N. Y. Filed Dec. 2, 1941.

ABOVE ALL

FOR PERFUME.

Claims use since Nov. 10, 1941.

Ser. No. 449,292. PINE BROS., INC., Philadelphia, Pa. Filed Dec. 8, 1941.

ALKAID

FOR ANT-ACID PREPARATION.

Claims use since Oct. 31, 1941.

CLASS 7

CORDAGE

Ser. No. 447,333. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Sept. 26, 1941.



FOR ROPE COMPOSED OF MANILA AND OTHER FIBERS AND BINDER TWINE.

Claims use since Sept. 9, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 438,188. AMERICAN BITUMULS COMPANY, Wilmington, Del. Filed Nov. 25, 1940.

AQUAPEL

FOR ASPHALT, ASPHALT EMULSIONS, ASPHALT COMPOSITIONS.

Claims use since Nov. 4, 1940.

Ser. No. 444,657. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed June 18, 1941.

PITTCO

FOR STORE FRONT CONSTRUCTIONS INCLUDING MOLDINGS, FRAMES, AND SUPPORTING ELEMENTS EMPLOYED IN THE MOUNTING OF PANELS, WINDOWS, AND THE LIKE IN STORE FRONT INSTALLATIONS.
Claims use since May 7, 1941.

Ser. No. 444,912. PLASTIC PRODUCTS COMPANY, Detroit, Mich. Filed June 27, 1941.

PLASTIC ROPE

The word "Plastic" is disclaimed apart from the mark.
FOR JOINT SEALING MATERIAL OR THE LIKE COMPRISING A PREPARED CAULKING COMPOUND.
Claims use since June 10, 1941.

Ser. No. 446,099. CONSOLIDATED RED CEDAR SHINGLE ASSOCIATION OF BRITISH COLUMBIA, Vancouver, British Columbia, Canada. Filed Aug. 9, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

EDGWOOD

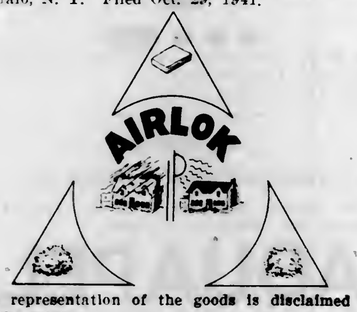
FOR RED CEDAR SHINGLES.
Claims use since July 11, 1927.

Ser. No. 446,934. LOUIS S. WERTZ MFG. CO., Cleveland, Ohio. Filed Sept. 9, 1941.

ALFESIL

FOR FINELY DIVIDED MATERIAL FOR INCORPORATION IN HYDRAULIC CEMENT MIXES TO IMPROVE THE PROPERTIES THEREOF, PARTICULARLY TO REDUCE SHRINKAGE AND PROMOTE STRENGTH AND WATERTIGHTNESS.
Claims use since May 5, 1941.

Ser. No. 448,229. PLASTERGON WALL BOARD COMPANY, Buffalo, N. Y. Filed Oct. 29, 1941.



The representation of the goods is disclaimed apart from the mark.
FOR MINERAL WOOL INSULATION.
Claims use since Apr. 28, 1941.

Ser. No. 448,671. CHARLOTTE CHEMICAL LABORATORIES, INC., Charlotte, N. C. Filed Nov. 15, 1941.

CHARLAB

FOR REFRACTORY MATERIAL AND FOR CHEMICAL PUTTY.
Claims use since Dec. 13, 1939, on refractory material; and since June 25, 1941, on chemical putty.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 444,060. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 29, 1941.

WABCOTITE

FOR PIPE FITTINGS.
Claims use since Apr. 8, 1941.

Ser. No. 448,453. THE GUARANTEE SPECIALTY MANUFACTURING CO., Cleveland, Ohio. Filed Nov. 7, 1941.

Wrisco

FOR VENETIAN BLIND METAL AND WOOD TASSELS, METAL HEADS AND BOXINGS, BRACKETS, PULLEYS, METAL WORM GEAR AND FRICTION TILT DEVICES, CORD LOCKS, PIN END CLIPS, GUDGEON PINS, GUIDE CHANNELS, HEAD CHAINS.
Claims use since Jan. 1, 1939.

CLASS 15

OILS AND GREASES

Ser. No. 448,479. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1941.

ALBREX

FOR LUBRICATING GREASES.
Claims use since Jan. 1, 1931.

Ser. No. 448,481. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1941.

IMPREX

FOR INSULATING OIL FOR ELECTRIC CABLES.
Claims use since Sept. 1, 1931.

Ser. No. 448,482. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 8, 1941.

KALREX

FOR LUBRICATING GREASES.
Claims use since Jan. 1, 1931.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 448,466. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Nov. 8, 1941.

CONNOISSEUR

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since Oct. 22, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 438,228. THE H. A. WILSON COMPANY, Newark, N. J. Filed Nov. 25, 1940.

OSMI-TUNGSTEN

No claim is made to the word "Tungsten" apart from the mark.
FOR ELECTRICAL CONTACTS.
Claims use since May 14, 1940.

Ser. No. 445,994. THE LLOYD PRODUCTS COMPANY, Providence, R. I. Filed Aug. 5, 1941.



The representation of the starter base and pins is disclaimed.
FOR SOCKETS FOR GAS FILLED ELECTRICALLY ENERGIZED LAMPS AND STARTERS FOR SUCH LAMPS.
Claims use since Feb. 10, 1941.

Ser. No. 446,634. D. RODITI & SONS, INC., New York, N. Y. Filed Aug. 28, 1941.

RODSON

FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since June 4, 1941.

Ser. No. 447,557. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Oct. 6, 1941.

THREE-FORTY

FOR ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT INDUSTRIAL FIXTURES.
Claims use since Sept. 15, 1941.

Ser. No. 448,116. PROCTOR & SCHWARTZ, INCORPORATED, Philadelphia, Pa. Filed Oct. 25, 1941.



No claim is made to the word "Crispy" apart from the mark.
FOR ELECTRIC TOASTERS.
Claims use since Sept. 22, 1941.

Ser. No. 448,928. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 25, 1941.

MIRROPHONE

FOR ELECTRICAL APPARATUS OF THE TELEGRAPHONE TYPE FOR RECORDING SPEECH AND OTHER SOUNDS ON A TAPE OF MAGNETIC MATERIAL AND FOR REPRODUCING THE SOUNDS SO RECORDED.
Claims use since March, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 443,440. UNIVERSAL CRUSHER COMPANY, Cedar Rapids, Iowa. Filed May 9, 1941.

GRAVELMASTER

FOR DEVICES FOR CRUSHING, SCREENING, AND LOADING AND HANDLING ROCK AND SIMILAR MATERIALS, PLANTS COMPRISING ASSEMBLIES OF SUCH DEVICES AND PARTS THEREOF.
Claims use since Apr. 24, 1941.

Ser. No. 443,441. UNIVERSAL CRUSHER COMPANY, Cedar Rapids, Iowa. Filed May 9, 1941.

PACEMAKER

FOR DEVICES FOR CRUSHING, SCREENING, AND LOADING ROCK AND SIMILAR MATERIALS, PLANTS COMPRISING ASSEMBLIES OF SUCH DEVICES, AND PARTS THEREOF.
Claims use since Nov. 8, 1939.

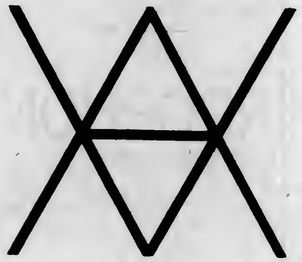
Ser. No. 443,442. UNIVERSAL CRUSHER COMPANY, Cedar Rapids, Iowa. Filed May 9, 1941.

ROTOVATOR

FOR DEVICES FOR HANDLING ROCK AND SIMILAR MATERIALS COMPRISING ELEVATING CONVEYORS, ROTARY WHEEL LIFTS, AND PARTS THEREOF.

Claims use since Apr. 24, 1941.

Ser. No. 444,112. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941.



The mark comprises a monogram representing the letters "W" and "A" interwoven or combined.

FOR FLUID PRESSURE ACTUATED BRAKE CYLINDERS, FLUID COMPRESSORS, LUBRICATOR UNITS, OIL CUPS, PUMPS, FLUID PRESSURE ACTUATED SLACK ADJUSTERS, FOR REGULATING PISTON TRAVEL IN BRAKE CYLINDERS, AND FOR MANUALLY OPERABLE PNEUMATIC CONTROL VALVES EMPLOYED IN INDUSTRIAL MACHINERY, DRILL RIGS, EXCAVATING MACHINES, MACHINE TOOLS, HOISTS, BOATS, DREDGES, POWER SHOVELS, AND CRANES.

Claims use since 1900.

Ser. No. 444,982. ROBERT A. SMITH, doing business as Smith & Serrell, Newark, N. J. Filed June 30, 1941.

FLEXPIN

FOR MACHINERY SHAFT COUPLINGS AND PARTS THEREOF.

Claims use since July, 1935.

Ser. No. 446,886. METALLIZING COMPANY OF AMERICA, INC., Chicago, Ill. Filed Sept. 8, 1941.

MOGUL—METALLIZER

The word "Metallizer" does not form a part of the registration sought apart from the mark.

FOR METAL SPRAY GUNS AND COMPONENT PARTS THEREOF.

Claims use since January, 1936.

Ser. No. 447,763. PIERCE GOVERNOR COMPANY, Anderson, Ind. Filed Oct. 13, 1941.

Seal-Aire

FOR GOVERNORS OF THE VACUUM AND/OR VELOCITY OPERABLE TYPE AND SPARK CONTROLS OF DIFFERENTIAL PRESSURE OPERABLE TYPE FOR INTERNAL COMBUSTION ENGINES.

Claims use since June 26, 1939.

Ser. No. 447,786. WILLIAM T. ANDREWS, doing business as Andrews Industries, Stamford, Conn. Filed Oct. 15, 1941.



The word "Shift" does not form a part of the registration sought apart from the mark.

FOR ELECTRIC TYPEWRITER CARRIAGE SHIFT.

Claims use since June 21, 1941.

Ser. No. 447,958. JOHN E. SHAW, doing business as Shaw & Co., Los Angeles, Calif. Filed Oct. 20, 1941.



The representation of the end of a bit is disclaimed apart from the mark.

FOR DRILLS, BITS, AND REAMERS APPLICABLE TO MACHINE SHOP EQUIPMENT.

Claims use since Sept. 2, 1941.

Ser. No. 448,017. THE TOLEDO STEEL PRODUCTS COMPANY, Toledo, Ohio. Filed Oct. 22, 1941.



FOR INTERNAL COMBUSTION ENGINE PISTONS, INTERNAL COMBUSTION ENGINE PISTON PINS, INTERNAL COMBUSTION ENGINE BEARINGS, AND INTERNAL COMBUSTION ENGINE CONNECTING RODS.

Claims use on internal combustion engine pistons since May, 1936; on internal combustion engine piston pins since May, 1936; on internal combustion engine bearings since April, 1939; and on internal combustion engine connecting rods since January, 1941.

Ser. No. 448,244. COVENTRY CLIMAX ENGINES LIMITED, Coventry, England. Filed Oct. 30, 1941.

GODIVA

FOR INTERNAL COMBUSTION ENGINES AND FIRE-FIGHTING APPLIANCES—NAMELY, FIRE ENGINES AND TRAILER PUMPS.

Claims use since March, 1940.

Ser. No. 448,263. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 30, 1941.

PAY DAY

FOR CARVING SETS OF BASE METAL AND CUTLERY—NAMELY, KNIVES, FORKS, AND SPOONS OF BASE METAL.

Claims use since Oct. 15, 1941.

Ser. No. 448,517. OIL LIFT SUPPLY COMPANY, Greggton, Tex. Filed Nov. 10, 1941.



The drawing is hatched for gold.

FOR BOTTOM HOLE PUMPS AND BOTTOM HOLE PLUNGERS FOR USE IN PUMPING FLUIDS FROM WELLS.

Claims use since February, 1941.

Ser. No. 448,933. HENRY K. BARNES COMPANY, Salem, Mass. Filed Nov. 26, 1941.

FINISHAM

FOR LEATHER TEXTILE APRONS.

Claims use since Nov. 12, 1941.

Ser. No. 449,030. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Nov. 28, 1941.



FOR RAZOR BLADES.

Claims use since Nov. 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 433,447. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed June 27, 1940.



FOR THERMOSTATIC ELECTRIC HEATING SYSTEM CONTROL UNITS, APPARATUS AND EQUIPMENT FOR INSPECTING CONTENTS OF BOTTLES BY MEANS OF PHOTOELECTRIC DEVICES, ELECTRON MICROSCOPES, LENS FOR ELECTRON MICROSCOPES, FILM MAKING KITS, AND PARTS THEREOF.

Claims use on apparatus and equipment for inspecting contents of bottles and parts thereof since Jan. 22, 1941; and on electron microscopes, lens for electron microscopes, film making kits and parts thereof since May 9, 1941.

Ser. No. 447,393. GORDON HINES, Kansas City, Mo. Filed Sept. 29, 1941.



FOR PHOTOGRAPHIC, MOVING PICTURE FILM, HAVING A SOUND TRACK, SOLD AS SUCH, AND BEING AN ELEMENT IN A GAME OF SKILL.

Claims use since June 5, 1941.

Ser. No. 448,233. THE TITAN VALVE AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 29, 1941.

POLYSTAT

FOR THERMOSTATIC VALVES FOR HOT WATER HEATERS AND THE LIKE.

Claims use since Sept. 4, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 447,880. KIMBERLY GEM CO., INC., New York, N. Y. Filed Oct. 17, 1941.

BLU-BRITE K MINED ZIRCONS

Applicant disclaims the words "Mined Zircons" and "Blu-Brite" apart from the mark.
FOR ZIRCONS AND ARTICLES OF JEWELRY SET OR MOUNTED WITH ZIRCONS, NOT INCLUDING WATCHES.
Claims use since Oct. 10, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 449,407. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed Dec. 12, 1941.

Golden Glow

FOR WOODEN BEDROOM FURNITURE.
Claims use since July, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 448,865. ABRAHAM KAMENETZKY, Brooklyn, N. Y. Filed Nov. 24, 1941.

AK

FOR FURNACE BOILERS.
Claims use since 1936.

Ser. No. 449,070. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y. Filed Nov. 29, 1941.

BIG CHIEF

FOR NON-FERROUS METAL AND ALLOY REMELTERS.
Claims use since Oct. 8, 1940.

Ser. No. 449,071. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y. Filed Nov. 29, 1941.

LITTLE CHIEF

FOR NON-FERROUS METAL AND ALLOY REMELTERS.
Claims use since Oct. 14, 1940.

CLASS 39

CLOTHING

Ser. No. 446,165. LEHMAN-BAER CO., INC., Baltimore, Md. Filed Aug. 12, 1941.

Topper Togs

No claim is made to the word "Togs" apart from the mark.
FOR BOYS' AND GIRLS' CLOTHING—NAMELY, SUN SUITS, SPORT SHIRTS, OVERALLS, AND DRESSES.
Claims use since Sept. 10, 1940.

Ser. No. 446,556. TABIN-PEARLMAN CLOTHES, INC., New York, N. Y. Filed Aug. 26, 1941.

Earldome

FOR MEN'S SUITS, TOP COATS, OVERCOATS, HATS, SHIRTS, CRAVATS, LOUNGING ROBES, AND UNDERWEAR.
Claims use since Mar. 6, 1941.

Ser. No. 447,898. ALBERT TURNER, INC., New York, N. Y. Filed Oct. 17, 1941.

ALANPACA

FOR MEN'S AND BOYS' COATS, TOP COATS, SUITS, SLACKS, TROUSERS, AND SPORT JACKETS, BEING MADE EITHER WHOLLY OF WOOL OR COMBINATION OF COTTON, WOOL, OR WORSTEDS.
Claims use since June 1, 1941.

Ser. No. 448,379. A. DAVIS & SONS, INC., New York, N. Y. Filed Nov. 4, 1941.

SUPER TAILORED DOUBLE DUTTEE

The expression "Super Tailored" is disclaimed apart from the mark.
FOR WOMEN'S, LADIES', AND MISSES' COATS, SUITS, AND JACKETS.
Claims use since Apr. 3, 1934.

Ser. No. 448,527. THE ROXBOROUGH COMPANY, Philadelphia, Pa. Filed Nov. 10, 1941.

Clearspun

Applicant is owner of T. M. Reg. No. 169,319.
FOR HOSIERY.
Claims use since May, 1939.

Ser. No. 448,603. DARYL DRESS CO., St. Louis, Mo. Filed Nov. 13, 1941.

Daryl Junior Original

The words "Junior Original" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND JACKET BLOUSES.
Claims use since Dec. 29, 1939.

Ser. No. 448,656. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1941.

BOYGARDS

FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since January, 1939.

Ser. No. 448,657. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1941.



BOYGÄRDS

FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since January, 1939.

Ser. No. 448,730. HEDWIG, INC., New York, N. Y. Filed Nov. 18, 1941.

BRÁLAHÉ

FOR BRASSIÈRES.
Claims use since October, 1941.

Ser. No. 448,772. STERN, MERRITT CO. INC., New York, N. Y. Filed Nov. 19, 1941.

Devlon

FOR NECKTIES.
Claims use since Sept. 1, 1941.

Ser. No. 448,877. MILTON H. SIEGEL, Baltimore, Md. Filed Nov. 24, 1941.

CLICK-CLICK

FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN — NAMELY, RAINCOATS, RAINCAPES, TOPCOATS, SPORTCOATS.
Claims use since Nov. 11, 1941.

Ser. No. 449,068. RAYLASS CHAIN STORES, INC., New York, N. Y. Filed Nov. 29, 1941.

Super-Rest

FOR SLEEPING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, PAJAMAS AND GOWNS.
Claims use since Aug. 12, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,046. THE FALLS COMPANY, Norwich, Conn. Filed July 3, 1941. Under 10-year proviso.

OTIS

Applicant is the owner of 126,053, for the word "Otis" effected under the 10-year proviso.
FOR COTTON AWNING FABRICS AND CLOTHS.
Claims use since Feb. 1, 1894.

Ser. No. 446,851. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Sept. 8, 1941.

Lady Prestige

FOR DECORATIVE WINDOW CURTAINS.
Claims use since Apr. 14, 1941.

Ser. No. 447,226. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Sept. 22, 1941.

FOTOCHENIC

FOR PIECE GOODS MADE OF SILK AND SYNTHETIC YARN TO BE USED IN CRAVATS, HAT TRIMMINGS, DRESSES, SHIRTS, NEGLIGEES, UPHOLSTERY, DRAPERIES, AND BEDSPREADS.
Claims use since Aug. 22, 1941.

Ser. No. 447,555. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Oct. 6, 1941.

AMIGO MIO

FOR SPUN RAYON PIECE GOODS.
Claims use since July 20, 1941.

Ser. No. 447,972. CALIFORNIA PIECE DYE WORKS, Los Angeles, Calif. Filed Oct. 21, 1941.

Color-fornia

FOR TABLE CLOTHS, NAPKINS, BED SPREADS, TOWELS, DRAPERIES FOR WINDOWS, DOILY SETS, AND PIECE GOODS MADE OF COTTON, SILK, RAYON, AND MIXTURES OF SAME.
Claims use since Dec. 2, 1940.

Ser. No. 448,194. ALBERT M. KOFKA, New York, N. Y. Filed Oct. 28, 1941.

"Lacetup"

FOR FESTOONS AND VALANCES USED WITH DRAPERIES.
Claims use since Sept. 3, 1940.

Ser. No. 448,360. CROWN WEAVING MILLS, INC., Los Angeles, Calif. Filed Nov. 3, 1941.



The words "Trade Mark" are disclaimed apart from the mark.
FOR WOVEN PIECE GOODS—NAMELY, COTTON, SILK, WOOL, RAYON, AND MIXTURES THEREOF.
Claims use since Oct. 30, 1941.

Ser. No. 448,609. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 13, 1941.

HANDI-CHEF

FOR PASTRY CANVAS.
Claims use since Dec. 15, 1939.

Ser. No. 449,038. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 29, 1941.

FROSTPOINT

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS, AND COMBINATIONS THEREOF.
Claims use since Nov. 12, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 449,485. FRICKE & GETZ DENTAL MFG. CO., Chicago, Ill. Filed Dec. 15, 1941.

VITACRILIC

Applicant is the owner of registration No. 383,259, issued Nov. 26, 1940.
FOR MATERIAL FOR MAKING DENTURES, JACKETS, INLAYS, BRIDGES, VENEERS, AND TEETH.
Claims use since Apr. 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 406,167. THE APEL-JOY CO., Tonawanda, N. Y. Filed May 10, 1938.

Apel-Joy

Applicant disclaims the word "Apel" apart from the mark.
FOR MALTLESS, NON-ALCOHOLIC, NON-CEREAL APPLE BEVERAGE SOLD AS A SOFT DRINK AND SYRUP AND EXTRACTS FOR MAKING THE SAME.
Claims use since Apr. 11, 1938.

Ser. No. 445,428. FRANK MAYER, doing business as Sunset Valley Orange Co., Chicago, Ill. Filed July 17, 1941.

Sunset Valley

FOR BEVERAGES MADE WITH A FRUIT JUICE BASE.
Claims use since June 1, 1935.

Ser. No. 448,375. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn. Filed Nov. 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

DOUBLE

FOR CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR COMPOUNDING THE SAME.
Claims use since Mar. 2, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 444,367. WILSON & CO., INC., Chicago, Ill. Filed June 9, 1941.

WILSON'S Certified Gela Seald

GELATINE COATED

All wording except "Gela" is disclaimed apart from the mark.
FOR GELATIN COATED FRESH AND CURED MEATS—NAMELY, BEEF, LAMB, VEAL, PORK, HAMS, PICNICS, BUTTS, BACON, SAUSAGE, MEAT LOAVES, AND POULTRY.
Claims use since Nov. 5, 1940.

Ser. No. 446,090. J. HOWARD SMITH, New York, N. Y. Filed Aug. 8, 1941.

QUALADEE

FOR FISH MEAL USED AS AN INGREDIENT IN FEED FOR POULTRY AND OTHER DOMESTIC ANIMALS.
Claims use since May 15, 1941.

Ser. No. 447,490. RICHARDSON CORPORATION, Rochester, N. Y. Filed Oct. 2, 1941.



FOR CRUSHED AND WHOLE FRUITS; FRUIT, NUT, MARSHMALLOW, FUDGE, BUTTERSCOTCH AND CARAMEL TOPPINGS USED FOR MAKING SUNDAES AND FOOD PRODUCTS; FLAVORING SYRUPS USED FOR MAKING SUNDAES AND FOOD BEVERAGES; CHOCOLATE FLAVORED PASTE AND SYRUP, FRUIT AND CHOCOLATE FLAVORED SAUCES, AND CHOCOLATE FLAVORED POWDERS USED FOR MAKING SUNDAES, FOOD BEVERAGES AND ICE CREAM; FLAVORING EXTRACTS AND IMITATION FLAVORING EXTRACTS USED FOR MAKING FOOD PRODUCTS AND ICE CREAM; MARSHMALLOW, FLAVORING EMULSIONS, AND THICKENING POWDER USED FOR MAKING FOOD PRODUCTS AND ICE CREAM; FRUITS AND NUTS USED FOR MAKING SHERBETS, ICES AND ICE CREAM; SHERBET BASES; AND FRUIT, NUT, BUTTERSCOTCH AND CARAMEL FLAVORS AND IMITATION FLAVORS USED FOR MAKING ICE CREAM.
Claims use since Sept. 1, 1937.

Ser. No. 447,927. ARKADELPHIA MILLING COMPANY, INCORPORATED, Arkadelphia, Ark. Filed Oct. 20, 1941.

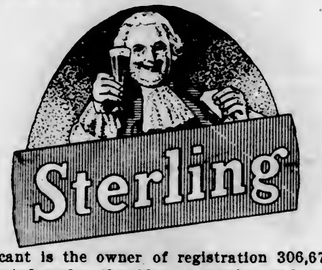


FOR WHEAT FLOUR.
Claims use since Aug. 15, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 448,627. STERLING BREWERS, INC., Evansville, Ind. Filed Nov. 13, 1941.



Applicant is the owner of registration 306,673 which was effected under the 10-year proviso and covers the word "Sterling."

FOR ALE.

Claims use since Oct. 1, 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 448,582. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla. Filed Nov. 12, 1941.

BEST RUM
BAR NONE

No claim is made to the words "Best Rum" except in combination with the words "Bar None."

FOR DISTILLED ALCOHOLIC LIQUORS, AND MORE PARTICULARLY RUM.

Claims use since Oct. 15, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 27, 1942

393,023. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed October 7, 1937. Serial No. 398,247. PUBLISHED NOVEMBER 18, 1941. Class 40.

393,024. PERFUMES, TOILET WATERS, EAU DE COLOGNE, HAND LOTION, EYE LOTION, SUNBURN OIL, LIPSTICKS, ROUGES, FACE POWDER, FACE ASTRINGENT, HAND CREAM, COLD CREAM, FOUNDATION CREAM, CLEANSING CREAM, EYE SHADOW, NAIL POLISH, AND MANICURE PREPARATIONS. HERMES, S. A., Paris, France.
Filed September 8, 1939. Serial No. 423,421. PUBLISHED MAY 21, 1940. Class 6.

393,025. LADIES' LINGERIE—NAMELY, VESTS AND NEGLIGEES, HOSIERY, SLIPS, PANTIES, AND GOWNS—NAMELY, NIGHTGOWNS. THE PARSONS-FAULKNER COMPANY, Ashland, Ky.
Filed March 22, 1940. Serial No. 429,866. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,026. PLOWS, CULTIVATORS, HARROWS, MOWERS, TILLERS, MIDDLEBUSTERS, RIDGERS, PLANTERS, AND WEEDERS. FERGUSON-SHERMAN MANUFACTURING CORPORATION, Dearborn, Mich.
Filed March 28, 1940. Serial No. 430,077. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,027. COMBINATION OF DRIED MOLASSES AND CORN OIL CAKE MEAL USED AS AN ADMIXTURE TO POULTRY AND LIVESTOCK FEEDS. VY LACTOS LABORATORIES, INC., Des Moines, Iowa.
Filed April 17, 1940. Serial No. 430,887. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,028. HAIR TONIC. CARL F. WUNDERLICH, doing business as C. F. Wunderlich Co., New York, N. Y.
Filed July 3, 1940. Serial No. 433,686. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,029. COLORINGS FOR FOODS. CHAPMAN & SMITH COMPANY, Chicago, Ill.
Filed August 1, 1940. Serial No. 434,554. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,030. BEER. G. HEILEMAN BREWING CO., La Crosse, Wis.
Filed August 9, 1940. Serial No. 434,832. PUBLISHED NOVEMBER 18, 1941. Class 48.

393,031. LADIES' DRESSES. BEN R. SOLNICK, doing business as Hollywood Dress Shoppe, Amarillo, Tex.
Filed August 19, 1940. Serial No. 435,148. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,032. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS AND CONCENTRATES FOR MAKING SUCH BEVERAGES. THE MIL-K-BOTL CORPORATION OF AMERICA, St. Louis, Mo.
Filed September 4, 1940. Serial No. 435,661. PUBLISHED NOVEMBER 18, 1941. Class 45.

393,033. CHIMNEY CHRISTMAS STOCKING TO CONTAIN GIFTS. MILLBURN MILLS, INC., New York, N. Y.
Filed August 22, 1940. Serial No. 435,250. PUBLISHED NOVEMBER 18, 1941. Class 22.

393,034. COTTON PIECE GOODS. BLANKETS, SHEETS, PILLOW CASES, AND TOWELS. B. ALTMAN & Co., New York, N. Y.
Filed September 7, 1940. Serial No. 435,745. PUBLISHED NOVEMBER 18, 1941. Class 42.

393,035. MEN'S AND BOYS' KNITTED AND WOVEN SWEATERS AND SPORTS JACKETS AND HOSIERY ALL HAVING A SUBSTANTIAL WOOL CONTENT. WULCREST KNITWEAR CO., New York, N. Y.
Filed September 9, 1940. Serial No. 435,824. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,036. PREPARATION FOR CLEANING PAINTED SURFACES AND FOR USE AS GENERAL HOUSEHOLD DETERGENT. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed October 12, 1940. Serial No. 436,887. PUBLISHED DECEMBER 24, 1940. Class 4.

393,037. FRESH VEGETABLES. C. V. ROHRBACHER, Los Angeles, Calif.
Filed October 21, 1940. Serial No. 437,147. PUBLISHED JANUARY 14, 1941. Class 46.

393,038. BRACELETS, WATCH BRACELETS, WATCH CHAINS, FINGER RINGS, EARRINGS, BROOCHES, NECKLACES, PENDANTS, LOCKETS, ETC. W. & H. JEWELRY COMPANY, INC., Providence, R. I.
Filed November 4, 1940. Serial No. 437,585. PUBLISHED November 18, 1941. Class 28.

393,039. MEAT PRODUCTS—NAMELY, PORK SAUSAGE. OSCAR MAYER & COMPANY, INC., Chicago, Ill.
Filed November 13, 1940. Serial No. 437,828. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,040. SOLDERING FLUXES, SOLDERING FLUID COMPOUNDS AND SOLDERING PASTES. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen, Germany.
Filed November 28, 1940. Serial No. 438,305. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,041. ARTIFICIAL LIMBS, ARTIFICIAL EYES, ARTIFICIAL TEETH, BONE NAILS, BONE SCREWS, BONE WIRE, ETC. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen, Germany.
Filed November 28, 1940. Serial No. 438,307. PUBLISHED NOVEMBER 18, 1941. Class 44.

393,042. SOAP POWDERS, LIQUID SOAP, SCOURING POWDERS, CLEANING COMPOUNDS, ETC. CARL E. SCHAAD, doing business as Chemical Manufacturing and Distributing Company, Easton, Pa.
Filed December 20, 1940. Serial No. 439,042. PUBLISHED NOVEMBER 18, 1941. Class 4.

393,043. DENTAL ALLOYS, DENTAL CEMENT, DENTAL GOLD, DENTAL SOLDER, DENTAL PLASTER, ETC. M. LARSON COMPANY, Chicago, Ill.
Filed December 24, 1940. Serial No. 439,163. PUBLISHED NOVEMBER 18, 1941. Class 44.

393,044. SOLID AND FLUID FUEL BURNING BOILERS, FURNACES, AND BURNERS. ALDRICH COMPANY, Wyoming, Ill.
Filed January 21, 1941. Serial No. 439,789. PUBLISHED NOVEMBER 18, 1941. Class 34.

393,045. BODY DEODORANT. SELECT COSMETICS CO., Chicago, Ill.
Filed January 25, 1941. Serial No. 439,978. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,046. DISTILLED BRANDY. B. DELATOUR, doing business as E. Delatour & Cie., and as B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R.
Filed February 3, 1941. Serial No. 440,235. PUBLISHED JULY 29, 1941. Class 49.

393,047. NONALCOHOLIC MALTLESS BEVERAGES AND FRUIT CONCENTRATES, SYRUPS AND EXTRACTS FOR BEVERAGE PURPOSES. SOCIEDAD ANONIMA VINEDOS Y BODEGAS ARIZU, Buenos Aires, Argentina.
Filed February 7, 1941. Serial No. 440,429. PUBLISHED NOVEMBER 18, 1941. Class 45.

393,048. REFRIGERATED CABINETS FOR THE STORAGE AND DISPLAY OF FROZEN FOOD PRODUCTS, ETC. FROST COOKED FOODS, INC., Boston, Mass.
Filed February 12, 1941. Serial No. 440,586. PUBLISHED NOVEMBER 18, 1941. Class 31.

393,049. NASAL DROPS. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed January 8, 1941. Serial No. 439,501. PUBLISHED JULY 1, 1941. Class 6.

393,050. MINERAL MIXTURE CONSISTING OF MANGANESE SULPHATE, IRON OXIDE, COPPER SULPHATE, SODIUM CHLORIDE, CALCIUM CARBONATE AND POTASSIUM IODIDE, AND CALCIUM PHOSPHATES, ETC. JOHN DANIEL EARLE, doing business as Earle-Chesterfield Mill Co., Asheville, N. C.
Filed January 11, 1941. Serial No. 439,590. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,051. MEDICINAL PREPARATIONS PUT UP IN THE FORM OF CANDY, CHEWING GUM, CONCENTRATES, CREAMS, DROPS, ETC. PURITY DRUG CO., INC., Passaic, N. J., also doing business as J. K. Laboratories, New York, N. Y.
Filed June 13, 1940. Serial No. 432,987. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,052. HELMETS, HAND SHIELDS, PROTECTION GOGGLES AND PARTS THEREFOR, GLASS PLATES AND LENSES FOR REDUCING GLARE INSERTABLE IN THE AFOREMENTIONED. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed March 7, 1941. Serial No. 441,297. PUBLISHED NOVEMBER 18, 1941. Class 26.

393,053. CHILDREN'S SHOES. ETTELBRICK SHOE COMPANY, Greenup, Ill.
Filed March 14, 1941. Serial No. 441,533. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,054. CHEMICAL MATERIALS AND COMPOSITIONS FOR COATING METAL SURFACES FOR RUST-PROOFING AND ANALOGOUS PURPOSES. POOR & COMPANY, Chicago, Ill.
Filed March 20, 1941. Serial No. 441,746. PUBLISHED MAY 13, 1941. Class 6.

393,055. VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed March 22, 1941. Serial No. 441,802. PUBLISHED APRIL 29, 1941. Class 6.

393,056. HEATING APPARATUS—NAMELY, SOLID AND FLUID FUEL SPACE HEATERS, ETC. M & M ENGINEERING COMPANY, Grosse Pointe, Mich.
Filed March 22, 1941. Serial No. 441,826. PUBLISHED NOVEMBER 18, 1941. Class 34.

393,057. CALCULATING DEVICES OF THE SLIDE RULE TYPE. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed March 24, 1941. Serial No. 441,844. PUBLISHED NOVEMBER 18, 1941. Class 26.

393,058. CRIBS, YOUTHS' BEDS AND CHESTS OF DRAWERS. SOUTH TAMWORTH INDUSTRIES, INC., South Tamworth, N. H.
Filed April 7, 1941. Serial No. 442,373. PUBLISHED NOVEMBER 18, 1941. Class 32.

393,059. BROTH POWDER MADE OF VEGETABLE CONCENTRATES AND OTHER INGREDIENTS FOR USE AS A DIETARY SUPPLEMENT. JOHN F. GORMAN, doing business as Vitaminerals Co., Los Angeles, Calif.
Filed April 11, 1941. Serial No. 442,490. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,060. INSECTICIDES, NICOTINE, AND SALTS OF NICOTINE, A VITAMIN "G" PREPARATION, AND FUNGICIDES. ROBERT CHENEY SLATER, Jacksonville, Fla.
Filed April 14, 1941. Serial No. 442,572. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,061. ELECTRIC LAMPS USED AS CONCENTRATORS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed April 15, 1941. Serial No. 442,617. PUBLISHED NOVEMBER 18, 1941. Class 21.

393,062. METAL PRESERVER FOR METAL FOR REMOVING RUST OR CORROSION AND STOPPING THE ACTION THEREOF AND FOR PROTECTING METAL AGAINST MOISTURE, ACIDS AND ALKALIES. ENSIGN PRODUCTS COMPANY, Cleveland, Ohio.
Filed April 18, 1941. Serial No. 442,693. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,063. PREPARATION FOR THE CARE AND TREATMENT OF THE HAIR AND SCALP. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed April 22, 1941. Serial No. 442,828. PUBLISHED JULY 1, 1941. Class 6.

393,064. BOY'S SPORT SUITS, PANTS, SHIRTS, JACKETS, AND OVERALLS. HORTEX MANUFACTURING COMPANY, El Paso, Tex.
Filed May 2, 1941. Serial No. 443,192. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,065. CHEMICAL PREPARATION FOR USE IN REMOVING ACCUMULATIONS OF FOREIGN MATTER FROM METAL SURFACES, PARTICULARLY FOR REMOVING ACCUMULATIONS FROM THE SCREENS OF PAPER MANUFACTURING APPARATUS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed May 6, 1941. Serial No. 443,289. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,066. FOAMING AGENT PRODUCT FOR USE IN FOODS, CONFECTIONS, AND BAKERY GOODS, CONSISTING OF A WHITE POWDER VEGETABLE DERIVATIVE PREPARED FROM SOY BEANS. PROTEIN PRODUCTS CO., Chicago, Ill.
Filed May 7, 1941. Serial No. 443,343. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,067. HAND OPERATED SLOTTED DEVICE FOR WINDING THREADS OR CORDS INTENDED FOR SIMULTANEOUSLY PRODUCING A SERIES OF POMPONS OR TASSELS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed May 9, 1941. Serial No. 443,439. PUBLISHED NOVEMBER 18, 1941. Class 40.

393,068. LIPSTICKS. POND'S EXTRACT COMPANY, New York, N. Y.
Filed May 12, 1941. Serial No. 443,516. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,069. MEN'S SUITS, TOPCOATS, AND OVERCOATS. LEBOW BROTHERS, Baltimore, Md.
Filed May 17, 1941. Serial No. 443,660. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,070. MEDICINE RECOMMENDED AS A STIMULANT TO THE APPETITE. GEORGE HARRIS, also doing business as George Harris & Son, Calgary, Alberta, Canada.
Filed May 20, 1941. Serial No. 443,828. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,071. SKIN LOTION. JOHN DAMIANOS, Nassau, Bahama Islands, assignor to Algaeloin Corporation, New York, N. Y., a corporation of New York.
Filed May 26, 1941. Serial No. 443,921. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,072. PREPARATION TO CHECK FALLING HAIR, DANDRUFF, AND ITCHY SCALP. PETER MASSIMINO, Mamaroneck, N. Y.
Filed May 26, 1941. Serial No. 443,945. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,073. CANNED PEAS. UDDO TAORMINA CORP., Brooklyn and New York, N. Y.
Filed May 26, 1941. Serial No. 443,963. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,074. BATING COMPOUND FOR USE IN THE TREATMENT OF LEATHER. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y.
Filed May 28, 1941. Serial No. 443,993. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,075. HAIR TONICS. GREAT ATLANTIC LABORATORIES, INC., Boston, Mass.
Filed June 5, 1941. Serial No. 444,218. PUBLISHED SEPTEMBER 2, 1941. Class 6.

393,076. NONALCOHOLIC, MALTLESS BEVERAGES AND PRODUCTS FOR USE IN MAKING THE SAME. SAMUEL E. WEBB, doing business as Beverages of America Bottling Company, Philadelphia, Pa.
Filed June 9, 1941. Serial No. 444,365. PUBLISHED NOVEMBER 18, 1941. Class 45.

393,077. COMPOUND FOR APPLICATION TO FRUIT TREES AND SHRUBS, PREFERABLY FOR SPRAYING, TO IMPROVE YIELD OF FRUIT. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed June 11, 1941. Serial No. 444,405. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,078. PACKAGE CONTAINING THREE TINS OF TOBACCO, IN SEPARATE CONTAINERS, AND A PIPE AND PIPE CLEANERS WHICH ARE SOLD AS A UNIT. JOHN MIDDLETON INC., Philadelphia, Pa.
Filed June 11, 1941. Serial No. 444,410. PUBLISHED NOVEMBER 18, 1941. Class 50.

393,079. LINIMENT PREPARATION FOR RHEUMATISM AND NEURALGIA. JOHN HENRY MORGAN, New York, N. Y.
Filed June 12, 1941. Serial No. 444,465. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,080. HEMOSTATIC PREPARATIONS. ARTHUR STEINBERG, doing business as Hematological Research Laboratory, Philadelphia, Pa., assignor to Chatham Pharmaceuticals, Inc., formerly John A. Millar Company, Inc., Newark, N. J., a corporation of New Jersey.
Filed June 13, 1941. Serial No. 444,514. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,081. FOUNDATION CREAMS. BONNE BELL, INC., Cleveland, Ohio.
Filed June 17, 1941. Serial No. 444,593. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,082. NON-ELECTRICAL ADVERTISING SIGNS MADE OF PLASTIC MATERIAL. PLASTIC DIE AND TOOL CORPORATION, Los Angeles, Calif.
Filed June 17, 1941. Serial No. 444,608. PUBLISHED NOVEMBER 18, 1941. Class 50.

393,083. HOUSE TRAILERS. PETER A. PROESEL, Chicago, Ill.
Filed June 17, 1941. Serial No. 444,610. PUBLISHED NOVEMBER 18, 1941. Class 19.

393,084. EAU DE COLOGNE. PINAUD, INCORPORATED, New York, N. Y.
Filed June 20, 1941. Serial No. 444,715. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,085. HEALING OINTMENT, VAGINAL DOUCHE, PILE AND HEMORRHOIDAL PREPARATION, EMMENAGOGUE PREPARATION, AND TONIC STIMULANT. MEDICONE COMPANY, New York, N. Y.
Filed June 21, 1941. Serial No. 444,737. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,086. FACE CREAMS AND TOILET WATERS. "TONI PIERETT" MAKEUP CO., New York, N. Y.
Filed June 23, 1941. Serial No. 444,777. PUBLISHED NOVEMBER 11. 1941. Class 6.

393,087. CLOSURE CAPS. ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio.
Filed June 25, 1941. Serial No. 444,816. PUBLISHED NOVEMBER 18, 1941. Class 50.

393,088. POWDERED COMPOSITION FOR COLORING SAUSAGE AND MEAT PRODUCTS CONTAINING AS THE ESSENTIAL COLORING INGREDIENT CURED ANIMAL HEMOGLOBIN. THE GRIFFITH LABORATORIES, INC., Chicago, Ill.
Filed June 30, 1941. Serial No. 444,967. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,089. POWER TOOLS FOR BORING, SAWING, SHAPING, AND SURFACE FINISHING WOOD, METAL, AND OTHER MATERIALS. THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed July 3, 1941. Serial No. 445,043. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,090. MEN'S AND BOYS' READY-TO-WEAR COATS AND OVERCOATS. HERBERT MANUFACTURING COMPANY, St. Paul, Minn.
Filed July 3, 1941. Serial No. 445,056. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,091. BLANK CHECKS, AND BLANK BOOKS OF CHECKS SOLD AS SUCH. ROBERT N. LINSENMEYER, Robertson, Mo.
Filed July 3, 1941. Serial No. 445,062. PUBLISHED NOVEMBER 18, 1941. Class 37.

393,092. MEN'S AND BOYS' SUITS, OVERCOATS, OUTER SHIRTS, UNDERSHIRTS, UNDERDRAWERS, HOSE, PAJAMAS, ROBES, AND SWEATERS. ROGERS PEET COMPANY, New York, N. Y.
Filed July 3, 1941. Serial No. 445,067. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,093. ABRASIVE AND GRINDING WHEELS. A. P. DE SANNO & SON, INC., Phoenixville, Pa.
Filed July 5, 1941. Serial No. 445,086. PUBLISHED NOVEMBER 18, 1941. Class 4.

393,094. MEN'S AND BOYS' PAJAMAS, NIGHTSHIRTS, AND NIGHTGOWNS. FRACKVILLE MANUFACTURING COMPANY, New York, N. Y.
Filed July 9, 1941. Serial No. 445,198. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,095. ELECTRIC MOTORS AND SWITCH BOX COVERS. THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed July 16, 1941. Serial No. 445,382. PUBLISHED NOVEMBER 18, 1941. Class 21.

393,096. LADIES' AND MISSES' NEGLIGEES, HOUSE COATS, PAJAMAS, AND NIGHTGOWNS. JAMES JEBAILY INC., New York, N. Y.
Filed July 18, 1941. Serial No. 445,466. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,097. SPECIAL SHORTENING MADE OF ALL-HYDROGENATED VEGETABLE OILS. THE SOUTHERN COTTON OIL COMPANY, New Orleans, La.
Filed July 21, 1941. Serial No. 445,536. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,098. DISTILLED ALCOHOLIC BRANDY. BASTIERE DELATOUR, doing business as B. Delatour & Cie, Bordeaux, France, and Ponce, P. R.
Filed July 23, 1941. Serial No. 445,572. PUBLISHED OCTOBER 28, 1941. Class 49.

393,099. BADGER HAIR. INTERNATIONAL BADGER CORP., New York, N. Y.
Filed July 23, 1941. Serial No. 445,580. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,100. FRESH CITRUS FRUITS. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif.
Filed July 25, 1941. Serial No. 445,626. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,101. STOCK AND POULTRY FEED. EBERHARDT-SIMPSON, Salina and Utica, Kans., and doing business as Jewell Elevator, Jewell, Kans.
Filed July 25, 1941. Serial No. 445,629. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,102. FORM TIES FOR CONCRETE FORMS AND WEDGES, SPOOLS, AND WASHERS FOR FORM TIES. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed July 26, 1941. Serial No. 445,672. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,103. PREPARATION FOR THE TREATMENT OF PEDICULOSIS. MCKESSON & ROBBINS, INC., New York, N. Y.
Filed July 29, 1941. Serial No. 445,744. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,104. PREPARATION FOR THE TREATMENT OF PEDICULOSIS. MCKESSON & ROBBINS, INC., New York, N. Y.
Filed July 29, 1941. Serial No. 445,745. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,105. PREPARATION FOR THE TREATMENT OF PEDICULOSIS. MCKESSON & ROBBINS, INC., New York, N. Y.
Filed July 29, 1941. Serial No. 445,746. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,106. SUBSTITUTED OXAZOLEDIONES AND SALTS THEREOF USEFUL AS HYPNOTICS AND ANAESTHETICS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 30, 1941. Serial No. 445,776. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,107. SKIN LOTION. BELLIN'S WONDERSTOEN CO., INC., New York, N. Y.
Filed July 31, 1941. Serial No. 445,798. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,108. BICYCLES AND TRICYCLES. MAX LIPSKI, doing business as The Louisville Cycle and Supply Company, Louisville, Ky.
Filed July 31, 1941. Serial No. 445,815. PUBLISHED NOVEMBER 18, 1941. Class 19.

393,109. ENTERIC COATED TABLETS FOR TREATMENT OF HEART CONDITIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed July 31, 1941. Serial No. 445,819. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,110. VARNISHES AND PAINTS IN PASTE FORM. DUREZ PLASTICS & CHEMICALS, INC., North Tonawanda, N. Y.
Filed August 1, 1941. Serial No. 445,843. PUBLISHED NOVEMBER 11, 1941. Class 16.

393,111. LADIES' DRESSES, COATS, JACKETS, PLAYSUITS, AND BLOUSE AND SLACK SETS. TRAINA-NORELL, INC., New York, N. Y.
Filed August 1, 1941. Serial No. 445,865. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,112. LACE CURTAINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 4, 1941. Serial No. 445,927. PUBLISHED NOVEMBER 18, 1941. Class 42.

393,113. WOMEN'S AND MISSES' SUITS AND COATS. MORRIS W. HAFT & BROS., INC., New York, N. Y.
Filed August 4, 1941. Serial No. 445,937. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,114. PEROXIDE OF HYDROGEN AND HAIR PREPARATIONS—NAMELY, WASHES (FOR BLEACHING) AND RINSES (FOR TINTING). CHARLES MARCHAND COMPANY, New York, N. Y.
Filed August 4, 1941. Serial No. 445,949. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,115. CORSETS. RIVOLI CORSET COMPANY, INC., New York, N. Y.
Filed August 4, 1941. Serial No. 445,959. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,116. MOTOR LUBRICATING OIL. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 4, 1941. Serial No. 445,962. PUBLISHED NOVEMBER 18, 1941. Class 15.

393,117. SYNTHETIC VITAMIN-K LIKE SUBSTANCE RECOMMENDED FOR USE AS AN ANTI-HEMORRHAGE. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed August 5, 1941. Serial No. 445,986. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,118. WELDING RODS. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill.
Filed August 5, 1941. Serial No. 445,992. PUBLISHED NOVEMBER 18, 1941. Class 14.

393,119. DEODORANT TO ELIMINATE UNPLEASANT BODY ODOR. MAUD HELEN CANTIN LINDSEY, Fresno, Calif.
Filed August 5, 1941. Serial No. 445,993. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,120. CAPS OR CLOSURES FOR CONTAINERS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed August 5, 1941. Serial No. 446,004. PUBLISHED NOVEMBER 18, 1941. Class 50.

393,121. VITAMIN AND MINERAL PREPARATIONS USED IN MEDICINE AND PHARMACY. INTERNATIONAL VITAMIN CORP., New York, N. Y., assignor to American Home Products Corporation, Jersey City, N. J., a corporation of Delaware.
Filed August 7, 1941. Serial No. 446,050. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,122. TOILET WATER, FACE POWDER, TALCUM POWDER, DUSTING POWDER, TOOTH POWDER, COLOGNE, ETC. LEONORA GLAUBERMAN, doing business as Cork Tip Products, New York, N. Y.
Filed August 9, 1941. Serial No. 446,107. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,123. WEARING APPAREL—NAMELY, REMOVABLE COAT COLLARS. CARDAIS CLOAK CO., St. Louis, Mo.
Filed August 11, 1941. Serial No. 446,123. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,124. MEN'S, WOMEN'S, AND CHILDREN'S FLEECED ONE PIECE SLEEPING GARMENTS. GLOBE KNITTING WORKS, Grand Rapids, Mich.
Filed August 11, 1941. Serial No. 446,135. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,125. CELLOPHANE WRAPPING PAPERS. LION RIBBON COMPANY, New York, N. Y.
Filed August 12, 1941. Serial No. 446,166. PUBLISHED NOVEMBER 18, 1941. Class 37.

393,126. FISH OIL. F. E. BOOTH COMPANY, INC., San Francisco, Calif.
Filed August 13, 1941. Serial No. 446,190. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,127. STEEL SHEETS, STEEL STRIPS, STEEL BARS, AND STEEL COILS. EDGCOMB STEEL COMPANY, Philadelphia, Pa.
Filed August 13, 1941. Serial No. 446,196. PUBLISHED NOVEMBER 18, 1941. Class 14.

393,128. PHARMACEUTICAL PREPARATION OF VITAMIN B COMPLEX IN THE FORM OF AN ELIXIR, CAPSULES, TABLETS, AND SYRUP. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed August 13, 1941. Serial No. 446,217. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,129. EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed August 14, 1941. Serial No. 446,235. PUBLISHED NOVEMBER 18, 1941. Class 21.

393,130. VARNISHED TUBING FOR ELECTRICAL INSULATION. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed August 14, 1941. Serial No. 446,236. PUBLISHED NOVEMBER 18, 1941. Class 21.

393,131. MEN'S HATS, OUTER SHIRTS, AND NECKTIES. STEPHEN J. PALINKOS, South Norwalk, Conn.
Filed August 14, 1941. Serial No. 446,239. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,132. WAVE SETTING LOTION FOR THE HAIR. ROUX DISTRIBUTING CO., New York, N. Y.
Filed August 14, 1941. Serial No. 446,244. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,133. PREPARATION BENEFICIAL FOR INDIGESTION AND GASTRIC STOMACH AILMENTS. J. J. WOOTEN, White, Ark.
Filed August 14, 1941. Serial No. 446,256. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,134. SYNTHETIC TERPENE POLYMER RESIN. THE NEVILLE COMPANY, Pittsburgh and Neville Island, Pa.
Filed August 16, 1941. Serial No. 446,300. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,135. ANTI-RHEUMATIC, ANALGESIC, AND ANTI-PYRETIC PREPARATION WHICH MAY BE USED IN THE TREATMENT OF PAINS AND ACHES OF NERVOUS OR ORGANIC ORIGIN AND FOR RHEUMATIC, NEURALGIC, AND GOUTY CONDITIONS. THE SYDNEY ROSS CO., Newark, N. J.
Filed August 18, 1941. Serial No. 446,338. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,136. SHOES OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF SAID MATERIALS. BENJAMIN WARSHAUER, Stockton, Calif.
Filed August 18, 1941. Serial No. 446,341. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,137. PERFUMES AND TOILET WATER. AUDREY LOUISE, INC., New York, N. Y.
Filed August 19, 1941. Serial No. 446,347. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,138. PERFUMES AND TOILET WATER. AUDREY LOUISE, INC., New York, N. Y.
Filed August 19, 1941. Serial No. 446,348. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,139. MEN'S, WOMEN'S, BOYS', AND GIRLS' VESTS. TIMELY SPORTSWEAR CO., New York, N. Y.
Filed August 19, 1941. Serial No. 446,376. PUBLISHED OCTOBER 28, 1941. Class 39.

393,140. WOMEN'S DRESSES. JACK BRAUNSTEIN, New York, N. Y.
Filed August 20, 1941. Serial No. 446,383. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,141. LADIES' HOSIERY. M. R. HUFFMAN, doing business as Penrose Hosiery Company, Philadelphia, Pa.
Filed August 21, 1941. Serial No. 446,429. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,142. SYNTHETIC WAX FOR INDUSTRIAL USE. T. G. COOPER & CO., INC., Philadelphia, Pa.
Filed August 22, 1941. Serial No. 446,451. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,143. PREPARATION WHICH POLISHES AND CLEANS AUTOMOBILES. EDWARD A. EHLERDING, doing business as Thoro Products Co., Chicago, Ill.
Filed August 23, 1941. Serial No. 446,491. PUBLISHED NOVEMBER 18, 1941. Class 16.

393,144. MEN'S OUTER SHIRTS. MARTIN JACOBI, INC., Buffalo, N. Y.
Filed August 23, 1941. Serial No. 446,500. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,145. SYNTHETIC TERPENE COPOLYMER RESIN. THE NEVILLE COMPANY, Pittsburgh and Neville Island, Pa.
Filed August 23, 1941. Serial No. 446,504. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,146. CREAM CONTAINING A VEGETABLE STABILIZER. REAL CREAM INCORPORATED, San Francisco, Calif.; now, by change of name, Avoset Incorporated, a corporation of Delaware.
Filed August 23, 1941. Serial No. 446,506. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,147. CREAM CONTAINING A VEGETABLE STABILIZER. REAL CREAM INCORPORATED, San Francisco, Calif.; now, by change of name, Avoset Incorporated, a corporation of Delaware.
Filed August 23, 1941. Serial No. 446,507. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,148. COSMETIC PREPARATION CONTAINING DIGALLIC ACID, ALCOHOL, AND OTHER INGREDIENTS DESIGNED FOR APPLICATION TO THE SKIN TO AID IN ELIMINATNG CREPINESS AND TO TIGHTEN THE SKIN. L. R. KALLMAN, doing business as L. R. Kallman & Company, Chicago, Ill.
Filed August 25, 1941. Serial No. 446,522. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,149. OUTER SHIRTS FOR MEN AND BOYS. ROB ROY COMPANY, New York, N. Y.
Filed August 25, 1941. Serial No. 446,529. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,150. OINTMENT FOR HEMORRHOIDS, CUTS, ABRASIONS, AND BURNS. LUKAS KALOGERAKIS, Asheville, N. C.
Filed August 26, 1941. Serial No. 446,547. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,151. FLATWARE, TABLEWARE, SILVERWARE, AND DRESSERWARE PLATED WITH OR MADE OF PRECIOUS METAL. R. BLACKINTON & CO., North Attleboro, Mass.
Filed August 27, 1941. Serial No. 446,560. PUBLISHED NOVEMBER 18, 1941. Class 28.

393,152. HOSIERY. CREPE DE CHINE INCORPORATED, Wilkes-Barre, Pa.
Filed August 27, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 446,566. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,153. CHILDREN'S, MISSES', AND WOMEN'S HATS. KAUFMANN AND CO., INC., also doing business as Cavalier Hat Company, Richmond, Va.
Filed August 27, 1941. Serial No. 446,577. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,154. FRESH PEARS. MODOC ORCHARD COMPANY, Medford, Oreg.
Filed August 27, 1941. Serial No. 446,582. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,155. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif.
Filed August 27, 1941. Serial No. 446,595. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,156. COMPOUNDING AGENTS FOR STABILIZING LUBRICANTS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed August 27, 1941. Serial No. 446,600. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,157. DRIED FRUITS. JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif.
Filed August 27, 1941. Serial No. 446,603. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,158. STERLING SILVER HOLLOW WARE AND TABLEWARE. THE ELLMORE SILVER COMPANY, INCORPORATED, Meriden, Conn.
Filed August 28, 1941. Serial No. 446,623. PUBLISHED NOVEMBER 18, 1941. Class 28.

393,159. MEN'S AND STUDENTS' SUITS AND COATS, SUIT AND SLACK ENSEMBLES, SPORT COATS, AND SLACKS. JAXTON CLOTHES COMPANY, INC., New York, N. Y.
Filed August 28, 1941. Serial No. 446,628. PUBLISHED OCTOBER 28, 1941. Class 39.

393,160. TYPEWRITING MACHINES AND PARTS THEREOF. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed August 28, 1941. Serial No. 446,635. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,161. PHONOGRAPH RECORDS. HEARST MAGAZINES INC., New York, N. Y.
Filed August 29, 1941. Serial No. 446,654. PUBLISHED NOVEMBER 18, 1941. Class 36.

393,162. SEED CORN. NORTHRUP, KING & Co., Minneapolis, Minn.
Filed August 29, 1941. Serial No. 446,662. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,163. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed September 10, 1941. Serial No. 446,949. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,164. COMPOUNDED PETROLEUM WAX. NATIONAL WAX COMPANY, Chicago, Ill.
Filed September 10, 1941. Serial No. 446,952. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,165. WAX COMPOSITION SUITABLE FOR USE IN THE PRESERVATION OF LOGS AND OTHER FORESTRY PRODUCTS. NATIONAL WAX COMPANY, Chicago, Ill.
Filed September 10, 1941. Serial No. 446,953. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,166. WAX COMPOSITION SUITABLE FOR USE IN PRESERVING PLANT LIFE OR IN PLANT GRAFTING. NATIONAL WAX COMPANY, Chicago, Ill.
Filed September 10, 1941. Serial No. 446,954. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,167. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed September 10, 1941. Serial No. 446,956. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,168. MEN'S OUTER SHIRTS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed September 11, 1941. Serial No. 446,977. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,169. SHAMPOO. VALENTINE LABORATORIES, INC., Chicago, Ill.
Filed September 11, 1941. Serial No. 446,981. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,170. NAME PLATES AND NUMBER PLATES. ERNEST MANCHIN, Swampscott, Mass.
Filed September 12, 1941. Serial No. 446,999. PUBLISHED NOVEMBER 18, 1941. Class 13.

393,171. VITAMIN CAPSULES. VITAMIN SERVICE CO., Phoenixville, Pa.
Filed September 12, 1941. Serial No. 447,008. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,172. SULPHUR. PAUL ZINGLER, Brooklyn, N. Y.
Filed September 12, 1941. Serial No. 447,010. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,173. TABLETS TO BE USED IN THE TREATMENT OF SIMPLE HEADACHE, HEAD COLDS, NEURALGIA, MUSCULAR ACHES AND PAINS, AND AS A GARGLE IN MINOR THROAT IRRITATIONS. THE LAKESIDE LABORATORIES, INC., Milwaukee, Wis.
Filed September 13, 1941. Serial No. 447,022. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,174. ROLLED OATS. NORTHERN OATS COMPANY, Minneapolis, Minn.
Filed September 13, 1941. Serial No. 447,029. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,175. CIGARETTES AND SMOKING TOBACCO. ROCK CITY TOBACCO COMPANY (1936) LIMITED, Quebec, Quebec, Canada.
Filed September 15, 1941. Serial No. 447,048. PUBLISHED NOVEMBER 18, 1941. Class 17.

393,176. LUBRICATING OILS AND GREASES. ASHLAND OIL AND REFINING COMPANY, Ashland, Ky.
Filed September 16, 1941. Serial No. 447,055. PUBLISHED NOVEMBER 18, 1941. Class 15.

393,177. CURTAINS AND DRAPERIES. FALL RIVER CURTAIN CO. INC., Fall River, Mass., and New York, N. Y.
Filed September 16, 1941. Serial No. 447,060. PUBLISHED NOVEMBER 18, 1941. Class 42.

393,178. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed September 16, 1941. Serial No. 447,067. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,179. WOVEN COTTON FABRICS SOLD BOTH IN THE PIECE AND IN THE BOLT. THE KENDALL COMPANY, Walpole, Mass.
Filed September 16, 1941. Serial No. 447,068. PUBLISHED NOVEMBER 18, 1941. Class 42.

393,180. PREPARATIONS FOR TREATMENT OF CONDITIONS RESULTING FROM METABOLIC DEFICIENCIES INCLUDING VITAMIN DEFICIENCIES, INCLUDING VITAMIN-CONTAINING PREPARATIONS, AND INCLUDING PREPARATIONS CONTAINING THE COMBINATION OF VITAMINS A AND B_2. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed September 16, 1941. Serial No. 447,078. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,181. SAVINGS BANKS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed September 16, 1941. Serial No. 447,079. PUBLISHED NOVEMBER 18, 1941. Class 25.

393,182. VITAMIN PREPARATIONS. WHITE LABORATORIES, INC., Newark, N. J.
Filed September 16, 1941. Serial No. 447,085. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,183. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed September 17, 1941. Serial No. 447,094. PUBLISHED NOVEMBER 18, 1941. Class 28.

393,184. GAS BURNERS, GAS WATER HEATERS, GAS ROOM HEATERS, AND GAS RANGES. HOLYOKE HEATER COMPANY, Holyoke, Mass.
Filed September 17, 1941. Serial No. 447,103. PUBLISHED NOVEMBER 18, 1941. Class 34.

393,185. GRASS SEED. O. M. SCOTT AND SONS COMPANY, Marysville, Ohio.
Filed September 17, 1941. Serial No. 447,108. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,186. PERFUME. JACQUELINE COCHRAN, Roselle, N. J.
Filed September 18, 1941. Serial No. 447,115. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,187. COSMETICS AND BEAUTY PREPARATIONS—NAMELY, LIPSTICK, CREAM ROUGE, AND DRY ROUGE. JACQUELINE COCHRAN, Roselle, N. J.
Filed September 18, 1941. Serial No. 447,116. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,188. PERFUME. JACQUELINE COCHRAN, Roselle, N. J.
Filed September 18, 1941. Serial No. 447,117. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,189. FOOT DISINFECTANT (PREPARED IN BOTH POWDERED AND LIQUID FORM). JOHN S. CROW, doing business as Crow Chemical Co., Hot Springs, Ark.
Filed September 18, 1941. Serial No. 447,123. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,190. LACE CURTAINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed September 18, 1941. Serial No. 447,126. PUBLISHED NOVEMBER 18, 1941. Class 42.

393,191. PERFUMES. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y.
Filed September 18, 1941. Serial No. 447,130. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,192. PERFUMES. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y.
Filed September 18, 1941. Serial No. 447,131. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,193. LADIES' SLACKS, DRESSES, AND COMBINED SLACK-DRESSES. SAMUEL J. GOLDFARB, New York, N. Y.
Filed September 18, 1941. Serial No. 447,132. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,194. LAUNDRY STARCH. THE HUBINGER COMPANY, Keokuk, Iowa.
Filed September 18, 1941. Serial No. 447,136. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,195. DOG FOOD. THE PARK & POLLARD CO. INC., Buffalo, N. Y.
Filed September 18, 1941. Serial No. 447,145. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,196. DEODORANT CREAM, DEODORANT POWDER, AND DEODORANT LIQUID FOR PERSONAL USE. SUN RAY DRUG COMPANY, doing business as Drake Laboratories, Philadelphia, Pa.
Filed September 18, 1941. Serial No. 447,170. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,197. COUGH SYRUP. ABBOTT LABORATORIES, North Chicago, Ill.
Filed September 19, 1941. Serial No. 447,177. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,198. ENAMEL ADAPTED FOR COATING FINGER NAILS, LIPSTICKS, ROUGE. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y.
Filed September 19, 1941. Serial No. 447,192. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,199. PREPARATIONS CONTAINING ALPHA TOCOPHEROL OR VITAMIN E AND PREPARATIONS HAVING PROPERTIES AND USES SIMILAR TO ALPHA TOCOPHEROL OR VITAMIN E, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed September 19, 1941. Serial No. 447,194. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,200. CHEMICAL NON-SAPONACEOUS CLEANING COMPOUNDS FOR FLUSHING AUTOMOBILE RADIATORS, REMOVING OIL, GREASE OR TAR AND WASHING AUTOMOBILE BODIES, AND FOR USE AS A GENERAL CLEANSING AGENT. LOUIS EPSTEIN, doing business as Epco Chemical Co., Quincy, Mass.
Filed September 20, 1941. Serial No. 447,201. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,201. HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, ETC. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed September 20, 1941. Serial No. 447,219. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,202. MEDICINAL TROCHES FOR THE CONTROL OF SIMPLE COUGHS DUE TO THROAT IRRITATION AND DRYNESS OF THE THROAT. ABBOTT LABORATORIES, North Chicago, Ill.
Filed September 22, 1941. Serial No. 447,222. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,203. AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION. PETROLAGAR LABORATORIES, INC., Chicago, Ill., assignor to Petrogalar Laboratories, Inc., Chicago, Ill., a corporation of Delaware.
Filed August 29, 1941. Serial No. 446,664. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,204. WOMEN'S COATS, SUITS, AND SKIRTS. SHIPMAN & BAKER, INC., New York, N. Y.
Filed August 29, 1941. Serial No. 446,668. PUBLISHED OCTOBER 28, 1941. Class 39.

393,205. HOSIERY. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed August 30, 1941. Serial No. 446,682. PUBLISHED OCTOBER 28, 1941. Class 39.

393,206. HATS FOR WOMEN. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, Tex.
Filed August 30, 1941. Serial No. 446,685. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,207. FOOD COLORINGS. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo.
Filed September 2, 1941. Serial No. 446,725. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,208. TEXTILE DYEING ASSISTANTS AND ASSISTANTS IN THE DEVELOPING OF ACETATE DEVELOPED BLACKS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed September 3, 1941. Serial No. 446,749. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,209. NON-ELECTRICAL HAIR CURLERS. EASTERN TRADING CO., New York, N. Y.
Filed September 3, 1941. Serial No. 446,752. PUBLISHED NOVEMBER 18, 1941. Class 40.

393,210. SOYBEAN FLOUR SOLD FOR USE IN MAKING ADHESIVES, PLASTICS, PAINTS, INSECTICIDES, AND SIZINGS AND COATINGS FOR PAPER. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed September 5, 1941. Serial No. 446,801. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,211. LADIES' AND MISSES' COATS, SUITS, SKIRTS, JACKETS, CAPES, AND COAT AND SUIT ENSEMBLES. I. GROSSMAN & SON, INC., New York, N. Y.
Filed September 5, 1941. Serial No. 446,802. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,212. OINTMENTS FOR THE TREATING OF SKIN INFECTIONS. CLAUDIUS NIELSEN, doing business as Nielco Chemical Company, Detroit, Mich.
Filed September 5, 1941. Serial No. 446,808. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,213. WOMENS', MISSES', AND GIRLS' DRESSES, BLOUSES, SKIRTS, JACKETS, PINAFORES, AND PLAYSUITS. SCHLEIFER & LUBELL, INC., New York, N. Y.
Filed September 5, 1941. Serial No. 446,815. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,214. FUNGICIDAL PREPARATIONS FOR THE ALLEVIATION, AND FOR CONTROLLING THE SPREAD OF THE EPIDERMAL PHYTONS WHICH CAUSE ATHLETE'S FOOT. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed September 6, 1941. Serial No. 446,843. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,215. MEN'S, WOMEN'S, AND CHILDREN'S OUTER SHIRTS. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif.
Filed September 8, 1941. Serial No. 446,859. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,216. DIATOMACEOUS EARTH FOR USE AS SURFACE COVERING IN POULTRY YARDS. OTTO A. KOHL, doing business as Chick Bed Company, Cedar Rapids, Iowa.
Filed September 8, 1941. Serial No. 446,880. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,217. MEN'S AND BOYS' SPORT SHIRTS, DRESS SHIRTS, SWIM AND PLAY TRUNKS, SLACKS, SPORT JACKETS, AND SPORT COATS. WISMAR MFG. CO., Los Angeles, Calif.
Filed September 8, 1941. Serial No. 446,901. PUBLISHED NOVEMBER 4, 1941. Class 39.

393,218. LEATHER. WOOD & HYDE COMPANY, Gloversville, N. Y.
Filed September 8, 1941. Serial No. 446,902. PUBLISHED NOVEMBER 18, 1941. Class 1.

393,219. MEN'S HATS. BYER-ROLNICK COMPANY, Garland, Tex.
Filed September 9, 1941. Serial No. 446,905. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,220. COLLARS AND MEN'S UNDERWEAR. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed September 10, 1941. Serial No. 446,940. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,221. RESTORATIVE FROM BONE MARROW AND BLOOD. FAIRCHILD BROS. & FOSTER, New York, N. Y.
Filed September 10, 1941. Serial No. 446,941. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,222. ARTIFICIALLY DIGESTED FOOD OR PEPTONE FROM BEEF AND WHEAT IN FLUID FORM. FAIRCHILD BROS. & FOSTER, New York, N. Y.
Filed September 10, 1941. Serial No. 446,942. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,223. STAPLES ADAPTED TO BE DRIVEN BY SUITABLE MACHINES. THE GREIF BROS. COOPERAGE CORPORATION, Cleveland, Ohio.
Filed September 22, 1941. Serial No. 447,233. PUBLISHED NOVEMBER 18, 1941. Class 13.

393,224. PREPARATION FOR TREATMENT OF BURNS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed September 22, 1941. Serial No. 447,249. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,225. SWEATERS. NORMAN D. WATERS & ASSOCIATES, INC., New York, N. Y.
Filed September 22, 1941. Serial No. 447,262. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,226. GOGGLES AND SUNGLASSES AND PARTS THEREFOR CONSISTING OF EYE PROTECTION LENSES AND FRAMES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed September 23, 1941. Serial No. 447,264. PUBLISHED NOVEMBER 18, 1941. Class 26.

393,227. PREPARATION FOR INTERNAL USE FOR THE PURPOSE OF FACILITATING THE TAKING OF X-RAY PICTURES OF INTERNAL ORGANS. SCHERING CORPORATION, Bloomfield, N. J.
Filed September 23, 1941. Serial No. 447,273. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,228. WELL SURVEYING INSTRUMENTS. SPERRY-SUN WELL SURVEYING COMPANY, Philadelphia, Pa.
Filed September 23, 1941. Serial No. 447,277. PUBLISHED NOVEMBER 18, 1941. Class 26.

393,229. WELL DRILLING APPARATUS. SPERRY-SUN WELL SURVEYING COMPANY, Philadelphia, Pa.
Filed September 23, 1941. Serial No. 447,278. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,230. WELL DRILLING APPARATUS. SPERRY-SUN WELL SURVEYING COMPANY, Philadelphia, Pa.
Filed September 23, 1941. Serial No. 447,279. PUBLISHED NOVEMBER 18, 1941. Class 23.

393,231. MAKE-UP POWDER. ELMO SALES CORPORATION, Philadelphia, Pa.
Filed September 24, 1941. Serial No. 447,285. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,232. RADIO-RECEIVING AND RADIO TRANSMITTING TUBES, FLUORESCENT LIGHT TUBES OR LAMPS. ROCKE INTERNATIONAL ELECTRIC CORP., New York, N. Y.
Filed September 24, 1941. Serial No. 447,294. PUBLISHED NOVEMBER 18, 1941. Class 21.

393,233. MEDICINAL PREPARATION IN LIQUID, SYRUP, AND TABLET FORM TO BE USED IN TREATMENT OF BRONCHITIS, LARYNGITIS, ASTHMA, TUBERCULOSIS, COUGHS, COLDS, AND OTHER RESPIRATORY AFFECTIONS. AMERICAN APOTHECARIES COMPANY, Long Island City, N. Y.
Filed September 25, 1941. Serial No. 447,299. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,234. COMBINATION BATTERY CHARGING AND TESTING APPARATUS. THE MERCURY CORPORATION, Kansas City, Mo.
Filed September 25, 1941. Serial No. 447,310. PUBLISHED NOVEMBER 18, 1941. Class 26.

393,235. CHEMICAL SOLUTION FOR THE TREATMENT OF FUR, COMMONLY KNOWN AS "CARROTING" OF FUR. THE NON-MERCURIC CARROT COMPANY, Danbury, Conn.
Filed September 25, 1941. Serial No. 447,311. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,236. PERFUMES, TOILET WATER, LOTIONS FOR THE HANDS AND FACE, FACE POWDERS, TALCUM AND SACHET POWDERS, ETC. BERNARD BERNARD, New York, N. Y.
Filed September 26, 1941. Serial No. 447,320. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,237. TOILET WATER, EAU DE COLOGNE, PERFUMES, SACHETS, BATH SALTS, BATH OILS, ETC. FRANZ KOENIGSBERGER, doing business as Kinghill Laboratories, New York, N. Y.
Filed September 26, 1941. Serial No. 447,337. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,238. LADIES', MISSES', AND CHILDREN'S COATS. VOGUE GIRL COATS, INC., New York, N. Y.
Filed September 26, 1941. Serial No. 447,352. PUBLISHED NOVEMBER 18, 1941. Class 39.

393,239. CHEMICAL PREPARATIONS FOR INHIBITING CORROSION. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 27, 1941. Serial No. 447,357. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,240. ANTIPERSPIRANT AND PERSPIRATION DEODORANT. CARTER PRODUCTS, INC., New York, N. Y.
Filed September 27, 1941. Serial No. 447,360. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,241. WINDSHIELD DEFROSTING FLUID. RALPH SARAVULLO, Elmira, N. Y.
Filed September 27, 1941. Serial No. 447,380. PUBLISHED NOVEMBER 18, 1941. Class 4.

393,242. CANDIES. VOLPI CHEWING CANDY COMPANY, New York, N. Y.
Filed September 27, 1941. Serial No. 447,383. PUBLISHED NOVEMBER 18, 1941. Class 46.

393,243. BLEND OF OILS FOR CLEANSING THE SKIN, BLEND OF OILS FOR STIMULATING THE NERVES OF THE SKIN, ETC. DERMETICS, INC., Seattle, Wash.
Filed September 30, 1941. Serial No. 447,432. PUBLISHED NOVEMBER 11, 1941. Class 6.

393,244. TANK BALLS. LAVELLE RUBBER COMPANY, Chicago, Ill.
Filed September 30, 1941. Serial No. 447,443. PUBLISHED NOVEMBER 18, 1941. Class 13.

393,245. LOTION FOR EXTERNAL APPLICATION USEFUL IN THE TREATMENT OF FATIGUE AND POOR COMPLEXION AND ACHES RESULTING FROM FATIGUE. MARY JOHNSON, doing business as War-jon Products Company, Brooklyn, N. Y.
Filed October 4, 1941. Serial No. 447,545. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,246. COLOGNE. LUCIEN LELONG INC., Chicago, Ill.
Filed October 6, 1941. Serial No. 447,570. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,247. BEDSPRINGS. FISCHER BED SPRING COMPANY, Pittsburgh, Pa.
Filed October 11, 1941. Serial No. 447,699. PUBLISHED NOVEMBER 18, 1941. Class 32.

393,248. ANTIFREEZE COMPOSITION FOR AUTOMOBILE RADIATORS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 11, 1941. Serial No. 447,696. PUBLISHED NOVEMBER 18, 1941. Class 6.

393,249. BEDSPRINGS. FISCHER BED SPRING COMPANY, Pittsburgh, Pa.
Filed October 11, 1941.. Serial No. 447,697. PUBLISHED NOVEMBER 18, 1941. Class 32.

393,250. BEDSPRINGS. FISCHER BED SPRING COMPANY, Pittsburgh, Pa.
Filed October 11, 1941. Serial No. 447,698. PUBLISHED NOVEMBER 18, 1941. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

393,251. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS. AND PARTS THEREOF.) LINCOLN-SCHLUETER FLOOR MACHINERY COMPANY, INC., Chicago, Ill. Filed Apr. 11, 1940. Serial No. 430,658.

Scrubrite

FOR FLOOR TREATING MACHINES, AND PADS, PAD HOLDERS, BRUSHES, AND BRUSH HOLDERS, ALL FOR SUCH FLOOR TREATING MACHINES.
Claims use since Jan. 10, 1940.

393,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY J. LANG, doing business as All-Foods Distributing Co., Chicago, Ill. Filed Sept. 16, 1940. Serial No. 436,019.

QUALITY ALL FOODS ALLWAYS

FOR FOOD PRODUCTS—NAMELY, COOKIES, FRUIT PRESERVES, PICKLE AND MUSTARD RELISHES, AND POTATO CHIPS.
Claims use since May 1, 1940.

393,253. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 17, 1940. Serial No. 437,047.

Beautifilm

FOR HOSIERY.
Claims use since Jan. 25, 1939.

393,254. (CLASS 39. CLOTHING.) SAMUEL R. PARNES COMPANY, New York, N. Y. Filed Nov. 18, 1940. Serial No. 438,016.

"Joan Bruce" ★ ORIGINAL

FOR LADIES' AND MISSES' DRESSES, COATS, AND SUITS.
Claims use since Oct. 10, 1940.

393,255. (CLASS 39. CLOTHING.) PONTIAC DRESSES INC., New York, N. Y. Filed Nov. 18, 1940. Serial No. 438,017.

Peggy King

FOR LADIES' AND MISSES' AND WOMEN'S DRESSES, AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET, AND COATS.
Claims use since Nov. 4, 1940.

393,256. (CLASS 39. CLOTHING.) POMETTE DRESS CORPORATION, New York, N. Y. Filed Dec. 16, 1940. Serial No. 438,901.

Joan Leslie ★ FASHIONS

FOR LADIES', MISSES', AND JUNIOR DRESSES.
Claims use since October, 1940.

393,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY C. RIEKE, Mission, Tex. Filed Dec. 16, 1940. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 438,904.

WAXPAK

FOR FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Oct. 4, 1940.

393,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PINE ISLAND SMOKED CHEESE COMPANY, Pine Island, Minn. Filed Jan. 2, 1941. Serial No. 439,362.

PINE ISLAND OLD SMOKY

FOR SMOKED CHEESE.
Claims use since June 15, 1940.

393,259. (CLASS 39. CLOTHING.) HAGGAR COMPANY, Dallas, Tex. Filed Jan. 7, 1941. Serial No. 439,463.

STYLE TREND

FOR MEN'S AND BOYS' TROUSERS, RIDING BREECHES, SPORT SHIRTS, SLACK SUITS, SPORT JACKETS, AND SWEATERS.
Claims use since Nov. 25, 1940.

393,260. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 15, 1941. Serial No. 439,706.

PURE BRISTLE
LONG LIFE
HIGHEST QUALITY

FOR PAINTBRUSHES.
Claims use since Feb. 6, 1939.

393,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FINGER LAKES HONEY PRODUCERS COOPERATIVE, ICORPORATED, Groton, N. Y. Filed Jan. 23, 1941. Serial No. 439,893.

HONI-SPRED

FOR HONEY.
Claims use since Nov. 15, 1940.

393,262. (CLASS 39. CLOTHING.) FRANKLIN SIMON & Co., INC., New York, N. Y. Filed Aug. 25, 1941. Serial No. 446,535.

Lockerbie

FOR WOMEN'S AND MISSES' SPORT COATS, SUITS, AND JACKETS.
Claims use since May, 1938.

393,263. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INCLINATOR COMPANY OF AMERICA, Harrisburg, Pa. Filed Sept. 13, 1941. Serial No. 447,021.

"Stair-Lift"

FOR ELECTRIC LIFTS, INCLINE ELEVATOR FOR STAIRS.
Claims use since Oct. 21, 1940.

393,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUITONI PRODUCTS, INC., New York, N. Y. Filed Sept. 17, 1941. Serial No. 447,093.

BUITONI
ORIGINAL BRAND FOUNDED IN ITALY 1827

FOR SPAGHETTI AND SAUCES THEREFOR.
Claims use since Jan. 1, 1939.

393,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O'KEEFE BROTHERS, Jacksonville, Tex. Filed Oct. 7, 1941. Serial No. 447,597.

HOLSOM

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since June 1, 1937.

393,266. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & Co., INC., New York, N. Y. Filed Oct. 17, 1941. Serial No. 447,873.

Worsted-tex
WEARLONG

FOR MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS; ALSO MEN'S OVERCOATS AND TOPCOATS; ALSO WOMEN'S OVERCOATS, TOPCOATS, AND SUITS, CONSISTING OF OUTER COATS, ENSEMBLE, VEST, AND SKIRT.
Claims use since Mar. 15, 1940.

393,267. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941. Serial No. 448,144.

BIG VALUE

FOR COTTON BATTING OR COTTON BATTS.
Claims use since Oct. 30, 1935.

393,268. (CLASS 12. CONSTRUCTION MATERIALS.) PENN SUPPLY AND METAL CORPORATION, Philadelphia, Pa. Filed Nov. 6, 1941. Serial No. 448,437.

LEDTIN

FOR INSULATED SIDING, CORNICE WORK, ROOFING TERNES, AND SIDING IN BUILDING CONSTRUCTION.
Claims use since May 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,363. **"PRINCE ROYAL".** HEATING FURNACES. Registered November 10, 1891. H. GILBERT HART & Co. Re-renewed November 10, 1941, to Hart & Crouse Corporation, Utica, N. Y., a corporation of New York, assignee by mesne assignments.

146,717. **AMBREINE.** PERFUMES, TOILET WATERS, AND BRILLIANTINE, INCLUDING PERFUMES FOR FACE-POWDERS, SACHET-POWDERS, LOTIONS, SOAP, AND DENTIFRICES. Registered September 20, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 20, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,719. **EAU DE COTY.** PERFUMES AND TOILET WATERS. Registered September 20, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 20, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,974. **L'ORIGAN.** PERFUMES, TOILET WATERS, FACE-POWDERS, SACHET-POWDERS, LOTION FOR SKIN AND HAIR, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,975. **LA ROSE JACQUEMINOT.** PERFUMES, TOILET WATERS, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,976. **LA VERTIGE.** PERFUMES, TOILET WATERS, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,977. **L'OR.** PERFUMES, TOILET WATERS, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,978. **L'EFFLEURT.** PERFUMES, TOILET WATERS, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,979. **LA VIOLETTE POURPRE.** PERFUMES, TOILET WATERS, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,980. **AMBRE ANTIQUE.** PERFUMES, TOILET WATERS, FACE-POWDERS, SACHET-POWDERS, LOTIONS FOR THE SKIN AND HAIR, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

146,981. **STYX.** PERFUMES, TOILET WATERS, FACE-POWDERS, SACHET-POWDERS, LOTIONS FOR THE SKIN AND HAIR, AND BRILLIANTINE. Registered September 27, 1921. FRANÇOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed September 27, 1941, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

147,633. **L. A. P.** PASTE, BEING AN ADHESIVE ARTICLE. Registered October 25, 1921. LIVERPOOL ADHESIVE PASTE CO. LTD., Liverpool, England, an incorporated company of Great Britain and Northern Ireland. Renewed October 25, 1941.

149,049. **FEDERAL.** MATS AND MATTING MADE WHOLLY OR PARTLY OF RUBBER. Registered December 6, 1921. THE FEDERAL RUBBER COMPANY, Cudahy, Wis. Renewed December 6, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

149,050. **FEDERAL.** MATS AND MATTING MADE WHOLLY OR PARTLY OF RUBBER. Registered December 6, 1921. THE FEDERAL RUBBER COMPANY, Cudahy, Wis. Renewed December 6, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

149,200. **CAREY.** GREASE STOCK. Registered December 6, 1921. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 6, 1941.

149,248. **FRACTOL.** A LIGHT NAPHTHA ESPECIALLY ADAPTED FOR SOLVENT PURPOSES. Registered December 6, 1921. STANDARD OIL COMPANY, Bayonne, N. J., and New York, N. Y. Renewed December 6, 1941, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

149,249. **FRUTOL.** A WHTE MINERAL OIL. Registered December 6, 1921. STANDARD OIL COMPANY, Bayonne, N. J., and New York, N. Y. Renewed December 6, 1941, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

149,273. **ROYAL.** GOLF-BALLS. Registered December 6, 1921. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed December 6, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

149,533. **ROYAL.** GOLF-BALLS. Registered December 13, 1921. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed December 13, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

149,816. **ACME.** FERTILIZERS. Registered December 27, 1921. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY. Renewed December 27, 1941, to The American Agricultural Chemical Company New York, N. Y., a corporation of Delaware, assignee.

149,916. **ERCO.** NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME. Registered December 27, 1921. EVERS-REHM CO., New York, N. Y., a corporation of New York. Renewed December 27, 1941.

149,934. **LINX.** HEADACHE AND NEURALGIA REMEDY. Registered December 27, 1921. HARRY M. GRIFFIN, Peekskill, N. Y. Renewed December 27, 1941, to Harry M. Griffin, Katonah, N. Y.

150,119. **STACY-ADAMS FOOT FLEX.** BOOTS AND SHOES OF ALL KINDS OF LEATHER AND CANVAS. Registered December 27, 1921. STACY-ADAMS COMPANY, Brockton, Mass., a corporation of Massachusetts. Renewed December 27, 1941.

150,142. **TONKBENCH.** PIANO-BENCHES. Registered December 27, 1921. TONK MFG. CO., Chicago, Ill., a corporation of Delaware. Renewed December 27, 1941.

150,226. **ARONCO.** COFFEE. Registered January 3, 1922. J. ARON & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed January 3, 1942.

151,444. **COR D'OR.** PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. Registered February 7, 1922. CHERAMY, INC. Renewed February 7, 1942, to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York, assignee.

151,813. **SURE-TYP.** SHOE LACES. Registered February 14, 1922. HUTMACHER BRAIDING COMPANY, Paterson, N. J., a corporation of New Jersey. Renewed February 14, 1942.

152,513. **STANLEY S. W.** CERTAIN ARTICLES OF BUILDERS' AND OTHER HARDWARE. Registered February 28, 1922. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed February 28, 1942.

152,548. **CLINTON.** CERTAIN WIRE CLOTH, WIRE NETTING, AND WIRE FABRIC, WELDED SCREEN, AND OTHER WIRE PRODUCTS. Registered February 28, 1922. WICKWIRE SPENCER STEEL CORPORATION, Worcester, Mass. Renewed February 28, 1942, to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,801. **ENCORE.** OLIVE OIL. Registered March 7, 1922. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed March 7, 1942, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

152,802. **ALI BADA.** DRIED DATES AND FIGS. Registered March 7, 1922. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed March 7, 1942, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

153,012. **HICKORY.** RUBBER SHEETING. Registered March 7, 1922. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

153,013. **SUNOCO.** CERTAIN NAMED OILS AND WAXES. Registered March 7, 1922, SUN COMPANY. Renewed March 7, 1942, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey, by change of name.

153,030. **TRISCO.** WHEAT FLOUR USED FOR HUMAN BEINGS, STOCK, AND POULTRY. Registered March 7, 1922. TRI-STATE MILLING CO., Belle Fourche, S. Dak. Renewed March 7, 1942, to Tri-State Milling Co., Rapid City, S. Dak., a corporation of South Dakota.

154,316. **LITTLE BLUE FLAG.** CERTAIN NAMED VARNISHES. Registered April 11, 1922. THE LOWE BROTHERS COMPANY. Renewed April 11, 1942, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

154,557. **PIERROT.** RAISINS. Registered April 18, 1922. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed April 18, 1942, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

154,657. **"PEGGY WARE".** CHILDREN'S DRESSES. Registered April 18, 1922. "PEGGY WARE" CHILDREN'S DRESS CO. INC. Renewed May 16, 1942, to "Peggy Ware", Inc., New York, N. Y., a corporation of New York, by change of name.

154,886. **SNOWFLAKE.** WELTING. Registered May 16, 1922. BROCKTON RAND COMPANY, Montello, Brockton, Mass. Renewed May 16, 1942, to Barbour Welting Company, Brockton, Mass., a copartnership, assignee by mesne assignments.

154,942. **SYLVAN.** COTTON PIECE GOODS. Registered May 16, 1922. GARNER PRINT WORKS AND BLEACHERY. Renewed May 16, 1942, to Deering Milliken & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

154,971. **VIRGIN FOREST.** TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND WRAPPING PAPER. Registered May 16, 1922. THE JOHN HOBERG CO. Renewed May 16, 1942, to Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin, assignee.

154,987. **KEYSTONE.** LUBRICANTS CONSISTING OF OILS AND GREASES. Registered May 16, 1922. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 16, 1942.

155,000. **AC-CAY-LAC.** SUBSTITUTE FOR PREPARED SHELLAC. Registered May 16, 1922. THE LOWE BROTHERS COMPANY. Renewed May 16, 1942, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

155,024. **NTCO.** MILLING CUTTERS, REAMERS, COUNTER BORES, HOBS, GEAR CUTTERS, METAL SLITTING SAWS, DRILLS, TAPS, AND AUTOMATIC SCREW-MACHINE TOOLS. Registered May 16, 1922. THE NATIONAL TOOL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 16, 1942.

155,026. **ALBALITH.** LITHOPONE. Registered May 16, 1922. THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J. Renewed May 16, 1942, to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey.

155,044. **DUOFOLD.** FOUNTAIN PENS. Registered May 16, 1922. THE PARKER PEN COMPANY, Janesville, Wis., a corporation of Wisconsin. Renewed May 16, 1942.

155,088. **SNOW FLAKE.** AXLE GREASE AND OTHER LUBRICATING OILS AND GREASES. Registered May 16, 1922. THE SNOW FLAKE AXLE GREASE COMPANY. Renewed May 16, 1942, to John Frederick Crane, doing business as Snow Flake Axle Grease Co., Boston, Mass., assignee.

155,259. **MBCO.** THREAD GUIDES FOR TEXTILE MACHINERY. Registered May 23, 1922. MITCHELL-BISSELL COMPANY, New York, N. Y. Renewed May 23, 1942, to Mitchell-Bissell Company, Trenton, N. J., a corporation of New Jersey.

155,260. **MBCO.** THREAD GUIDES FOR TEXTILE MACHINERY. Registered May 23, 1922. MITCHELL-BISSELL COMPANY, New York, N. Y. Renewed May 23, 1942, to Mitchell-Bissell Company, Trenton, N. J., a corporation of New Jersey.

155,268. **GRAND-POP.** MINERAL WATERS AND CERTAIN NAMED SOFT DRINKS. Registered May 23, 1922. NEW YORK MINERAL WATER COMPANY. Renewed May 23, 1942, to Grand-Pop Bottling Company, Cincinnati, Ohio, a partnership, assignee by mesne assignments.

155,370. **REPRESENTATION OF A POLECAT.** FISHING LINE. Registered May 30, 1922. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I., a corporation of Rhode Island. Renewed May 30, 1942.

155,375. **"STARLING".** FISHING LINE. Registered May 30, 1922. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I., a corporation of Rhode Island. Renewed May 30, 1942.

155,443. **KRISPY-KRUST.** BREAD AND ROLLS. Registered May 30, 1922. HAZLETON BAKING CO., Hazleton, Pa. Renewed May 30, 1942, to Hazleton Bakeries Inc., Binghamton, N. Y., and Hazleton and Norristown, Pa., a corporation of Delaware, assignee.

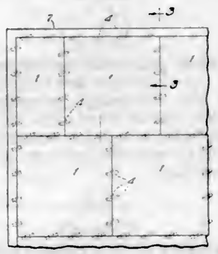
155,497. **FUREX.** TANNING EXTRACTS. Registered May 30, 1922. NEW YORK QUEBRACHO EXTRACT COMPANY (now by change of name The Tannin Corporation). Renewed May 30, 1942, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

155,498. **NORTHWESTERN.** CERTAIN NAMED CHEMICALS. Registered May 30, 1922. THE NORTHWESTERN CHEMICAL COMPANY, Wauwatosa, Wis., a corporation of Wisconsin. Renewed May 30, 1942.

REISSUES

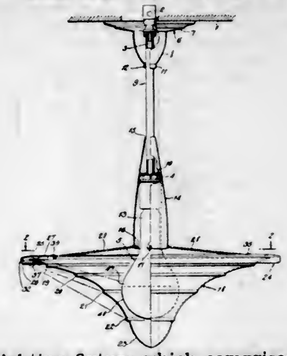
JANUARY 27, 1942

22,013
MEANS FOR JOINING CONSTRUCTIONAL MEMBERS
Augusto C. Gonzalez, Manila, P. I.
Original No. 2,231,385, dated February 11, 1941, Serial No. 236,888, October 25, 1938. Application for reissue August 30, 1941, Serial No. 409,052
7 Claims. (Cl. 20—15)



1. Means for connecting together the parts of buildings and other structures at their meeting edges, comprising like parallel bars, fastened in pairs of contact with each other, and in the same plane, to different adjacent members of the structure at approximately equal angles, with the two bars of each pair extending diagonally to the meeting edges of the members to which they are secured, the bars being bevelled to effect strain normal to the surface of the structure in addition to that effected in the plane thereof.

22,014
LIGHTING FIXTURE
Walter W. Kantack, St. Albans, N. Y.
Original No. 2,075,206, dated March 30, 1937, Serial No. 9,356, March 5, 1935. Application for reissue July 8, 1938, Serial No. 218,255
15 Claims. (Cl. 240—78)



11. A lighting fixture which comprises a lamp, a reflector surrounding the lower part of the lamp adapted to reflect outward and upward light initially radiated downward from the light source of the lamp, a glare shield extending outwardly from said reflector and an internal reflecting ring surrounding the outer edge of said shield adapted to reflect light from above said shield onto the lower surface thereof.

PLANT PATENTS

GRANTED JANUARY 27, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

501
ROSE PLANT
Frederick Huber Howard, Montebello, Calif.
Application August 19, 1941, Serial No. 407,482
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant herein shown and described, characterized particularly by its strong and vigorous growth; the freedom with which it produces beautiful blooms continuously from spring until frost; its large, long-pointed buds; the intense fragrance, pleasing form, excellent lasting quality, and distinctive brilliant crimson color of its large blossoms.

PATENTS

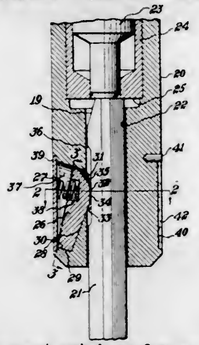
GRANTED JANUARY 27, 1942

2,270,840

IMPLEMENT RETAINER

Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application January 26, 1939, Serial No. 252,944
3 Claims. (Cl. 279—19.5)



1. An implement retainer for percussive tools, comprising a casing having a bore, a slot through the casing arranged radially of the bore extending from the outer casing surface to the bore and having continuous parallel side walls longitudinally of the casing, a seating wall at the forward end of the slot, a free retainer in the slot lying between the parallel side walls wholly within the outer casing surface and tiltably seated with one end upon the seating wall and the other end extending into the bore, and a wall in the slot engaging the parallel side walls and the seating wall to limit the distance that the retainer may extend into the bore.

2,270,841

WASH FASTNESS OF SIZES WITH CHLORAL ADDITION PRODUCTS

Louis H. Bock and Alva L. Houk, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application April 11, 1939, Serial No. 267,345
9 Claims. (Cl. 91—70)

1. A process for improving the wash-fastness of water-dispersible, hydroxyl-containing size on textile material, which comprises treating the textile material with said size and with a chloral addition product having an organic group containing at least two carbon atoms, and subsequently heating said treated material to effect reaction between the size and the chloral addition product.

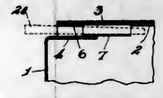
2,270,842

VALVE BAG

Harry H. Crawford, Wellsburg, W. Va., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application February 21, 1939, Serial No. 257,642
3 Claims. (Cl. 229—62.5)

1. A bag having walls comprising a plurality of layers of paper and having an end closure formed by folding upon each other flaps formed from the ends of the opposite bag walls, a flap formed from the bag walls and projecting inwardly of the bag beneath the folded end flaps to provide a bag valve, said valve flap having a length exceeding the distance between said end flaps so



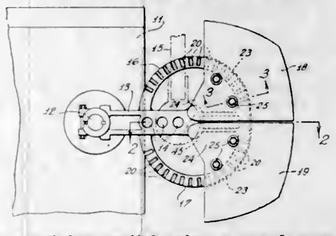
that its opposite ends will be turned upon themselves when the end flaps are folded one upon the other, and an inwardly projecting extension tongue of the valve flap and permanently secured thereto, said extension tongue being formed from a partially severed section of the adjacent overlying end flap.

2,270,843

ROTARY COUNTERBALANCE

John M. Hartgering and Charles M. Perkins, Detroit, Mich., assignors to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application July 19, 1939, Serial No. 285,374
12 Claims. (Cl. 74—591)



1. In a driving unit having a crank connected to the output shaft thereof, means for securing rotary counterweights to said crank comprising a clamping ring formed therewith, radial keyways cast at spaced intervals in the ring portion of said clamping ring, keys cast in said counterweights to engage a plurality of said keyways and bolts connecting a pair of said counterweights to draw said keys into engagement with said keyways.

2,270,844

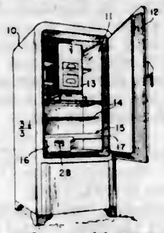
REFRIGERATOR

William T. Hedlund, New Rochelle, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application August 10, 1937, Serial No. 158,444
4 Claims. (Cl. 62—89)

1. In a refrigerator having a thermally insulated storage compartment, means for causing circulation of refrigerated air in said compartment, a solid shelf adapted to be supported in said compartment, said shelf having a downward extending flange at the forward edge thereof, a food drawer, said drawer and shelf having cooperating means including structure to slidably support said food drawer on the underside of said shelf, said means cooperating so that air is prevented from flowing into and out of said

drawer at its sides and rear when it is closed, and said drawer having a front adapted to over-



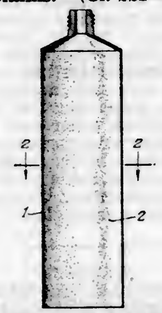
lap said flange when said drawer is in its closed position to seal the front of said drawer.

2,270,845

PROTECTIVE LINING FOR METAL CONTAINERS

Walter Hestermann, Jersey City, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J., a corporation of New Jersey

Application June 27, 1939, Serial No. 281,343
4 Claims. (Cl. 221—60)



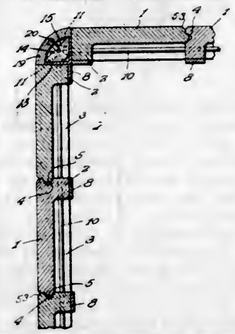
3. A collapsible tube having a flexible adherent inner coating comprising an alkyl cellulose containing not over about 3% of its weight of an ester of sebacic acid and a polyhydric alcohol.

2,270,846

BUILDING CONSTRUCTION

Joseph E. Hines, Kensington, Md., assignor to Fabcrete Corporation, Richmond, Va., a corporation of Virginia

Application March 4, 1939, Serial No. 259,885
4 Claims. (Cl. 72—1)



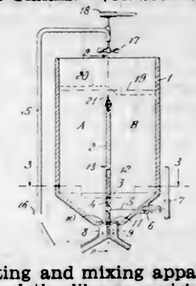
4. In a building construction comprising a plurality of pre-cast slabs forming a plane surface, each slab having a flange upon one side edge only and disposed in angular relation to the face of the slab, said flanges having openings therein, tie rods passing through the openings and serving to hold the flanges in binding engagement with the side edge of an adjacent slab, said openings being disposed centrally of the flanges, whereby the tie rods are held spaced from the faces of the slabs, and the walls of the openings serving to prevent movement of the rods away from the slabs.

2,270,847

MIXING TANK

Howard Davison Hyman, Ottawa, Ontario, Canada, assignor to J. R. Booth, Limited, Ottawa, Ontario, Canada, a corporation of Canada

Application March 27, 1941, Serial No. 385,462
In Canada January 27, 1941
8 Claims. (Cl. 259—95)



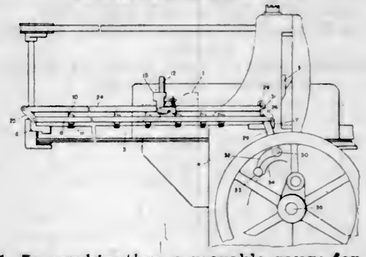
1. Circulating and mixing apparatus for paper pulp stock and the like comprising a tank having a partition dividing said tank into two vertical compartments communicating with each other at the top, a valve controlled outlet communicating with both compartments of the tank and located at the lowest point of said tank, all portions of the bottom of the tank having a downward slope toward said outlet, said partition having an opening in its lower portion through which said compartments are placed in communication and located adjacent to said valve controlled outlet, and a rotary impeller arranged in said opening.

2,270,848

GAUGE FOR PAPER CUTTING AND LIKE MACHINES

Joseph F. Jirousek, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

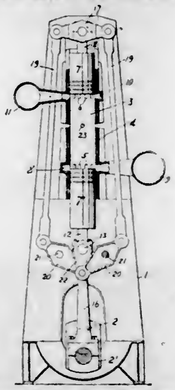
Application August 19, 1940, Serial No. 353,271
11 Claims. (Cl. 164—59)



11. In combination, a movable gauge for paper cutting machines and the like and positioning means therefor comprising a series of fixed stops located parallel to the line of movement of said gauge, a counterstop carried by an extension of said gauge and adapted to engage said fixed stops in succession, finger means resiliently mounted

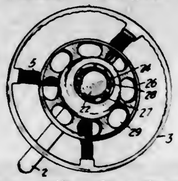
on said fixed stops and adapted to be pushed back when said counterstop engages a said fixed stop, said finger means being operative upon disengagement of said stops to interpose between said counterstop from said fixed stop, and cam tograph means for automatically disengaging said counterstop from said fixed stop, and cam means operative in timed relation with the fall of the knife of such paper cutting machine to actuate said pantograph means.

2,270,849
INTERNAL COMBUSTION ENGINE
Frank R. Maxwell, Rose Valley, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania
Application February 17, 1941, Serial No. 379,151
10 Claims. (Cl. 123—51)
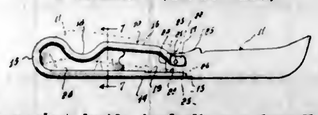


4. In an internal combustion engine, in combination, a cylinder, a pair of opposed pistons in the cylinder, a crank shaft provided with a crank, a connecting rod affording an operative connection between one of said pistons and said crank, a frame for the support of said cylinder and crank shaft, a cross head connected to the other of said pistons, side rods connected to said cross head, a pair of levers fulcrumed on said frame each having a relatively short and a relatively long arm, the short arms of said levers respectively being connected to said side rods respectively and the long arms of said levers respectively being connected to said connecting rod.

2,270,850
IGNITION LOCK AND THE LIKE
Russell Edward McNamara, London, Ontario, Canada
Application June 21, 1940, Serial No. 341,784
2 Claims. (Cl. 200—59)



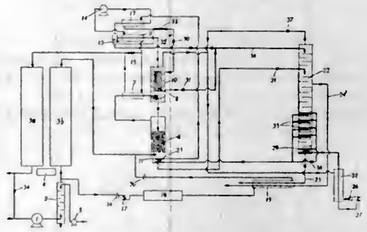
1. In a device of the class described, a tubular contact box having a vertical slot in its wall and an annular external groove, a housing member into which the box extends, an internal annular groove in the housing opposing the groove of the box, a split spring ring secured in one of the grooves, a radially movable member passing through the slot of the box and so formed as to permit the split ring to contract to enter both annular grooves when the movable member is in both its outer and inner positions and to be expanded to be entirely contained in the groove of the housing when the member is in an intermediate position to permit the housing to be withdrawn from the contact box.

2,270,851
POCKETKNIFE
George M. Schrade, Bridgeport, Conn.
Application April 15, 1941, Serial No. 388,577
2 Claims. (Cl. 30—155)



2. A pocket knife including a handle and a blade, said handle comprising a single length of wire folded upon itself to form a spring back having a closed loop end for engagement of the edge portions of the hinged end of the blade, including two side members forming the handle, the loop including a portion forming a bearing surface against which the blade is operatively supported, said handle further including adjacently positioned wire ends, a pivot stud mounted by said ends and supporting the blade, said loop including a transverse outer end portion, and a notch in such outer end portion and positioned to receive a portion of the blade adjacent its pivoted end when the blade is open to prevent relative lateral movement of the blade and handle back during a cutting operation.

2,270,852
SEPARATING OF GAS MIXTURES
Paul Maurice Schuftan, Richmond Hill, England, assignor to The British Oxygen Company Limited, London, England
Application March 28, 1940, Serial No. 326,464
In Great Britain March 24, 1939
32 Claims. (Cl. 62—175.5)



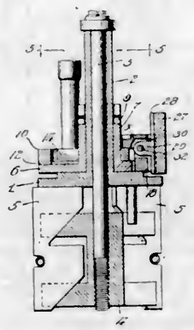
1. A process for extracting liquefiable organic constituents from a gas mixture which comprises precooling a gas mixture containing liquefiable organic constituents and a constituent of higher vaporization point which solidifies at about the temperature of the condensation range of the liquefiable constituents to solidify a major portion of said constituent of higher vaporization point and to condense a portion of the liquefiable organic constituents, thereby leaving a residue of uncondensed gases containing a minor portion of said constituent of higher vaporization point, vaporizing part of the condensed portion of liquefiable organic constituents together with a minor fraction of the solidified constituent of higher vaporization point, and further cooling said vaporized and uncondensed gases to fractionally condense and separate said liquefiable constituents therefrom.

2,270,853
KNITTING ORNAMENTED NONRUN FABRIC
William E. Sheeler, Sinking Spring, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania
Application January 14, 1939, Serial No. 250,930
11 Claims. (Cl. 66—180)



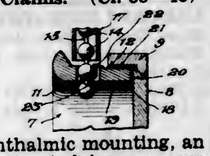
1. An ornamental knitted fabric comprising plain loop areas surrounded by intersecting raised rib-like lines formed by a portion of run stop loops in which the run stop loops are spread to the right and left toward the raised rib-like lines from both sides.

2,270,854
CYLINDER DRESSING TOOL
Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois
Application March 8, 1940, Serial No. 322,933
6 Claims. (Cl. 51—184.2)



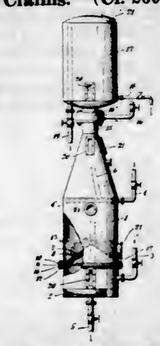
1. A machine for dressing the interior of a cylinder comprising a member adapted to be secured in a cylinder, an element rotatable on said member about the axis of the cylinder, a tool holder movably mounted on said member, and a long work-engaging tool mounted on said holder for rocking movements about an axis lying behind the same remote from both ends and at right angles to the axis of the cylinder.

2,270,855
OPHTHALMIC MOUNTING
Frank T. Bushell, Chicago, Ill., assignor to Robert Malcom, Chicago, Ill.
Application April 13, 1940, Serial No. 329,556
5 Claims. (Cl. 88—43)



1. In an ophthalmic mounting, an eyecup having a wall perforated by a passage, a flexible bridge member having a series of abutments movable longitudinally in said passage, and a lock member including a shank slidable longitudinally on the inner surface of said wall, a head at one end of said shank lapping an edge of said wall, releasable means normally holding said head against said edge and the other end of said shank in locking disposition between abutments of said bridge member, and a tongue extending from said shank into said passage, said lock member being releasably slidable with respect to said bridge member on loosening of said holding means and said tongue then retaining said lock member on said eyecup.

2,270,856
CONTINUOUS PROCESS OF SAPONIFICATION
Ivor M. Colbeth, East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y., a corporation of New Jersey
Application July 17, 1940, Serial No. 346,026
6 Claims. (Cl. 260—417)

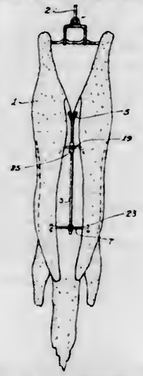


1. The continuous process of saponification, which comprises introducing a liquid stream containing saponifiable constituents into the lower portion of a confined space, causing said stream to divide into droplets soon after being introduced, introducing a stream of a concentrated solution of caustic alkali into a higher portion of said space and causing it to flow countercurrent to said droplets, and introducing more of the solvent for said alkali into a still higher portion of said space, while maintaining a temperature sufficiently high to cause saponification to take place.

6. The continuous process of hydrolysis which comprises introducing a liquid stream containing constituents that can be hydrolysed into the lower portion of a confined space, causing said stream to divide into droplets soon after being introduced, introducing a stream of an aqueous solution of mineral acid into a higher portion of said space and causing it to flow countercurrent to said droplets, introducing more water into a

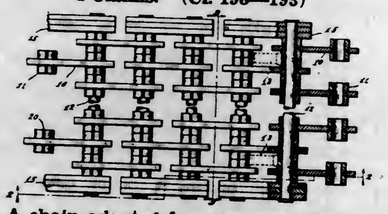
still higher portion of said space, while maintaining a temperature sufficiently high to cause hydrolysis to take place.

2,270,857
CARCASS SPREADER
Leonard De Moss, Des Moines, Iowa, assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 27, 1939, Serial No. 276,060
6 Claims. (Cl. 17—44)



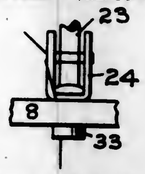
6. An apparatus for preventing muscular distortion of a whole carcass comprising in combination an elongated member provided at one end with means for securing the elongated member to the carcass at the hind end and adjacent the other end with laterally opposite brisket spreaders shorter in length than the elongated member, and a backbone supporting member adjustably mounted for movement from and toward the elongated member in a plane substantially midway between the opposite spreaders.

2,270,858
CHAIN
Oliver H. Gallamore, Indianapolis, Ind., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application July 26, 1939, Serial No. 286,550
4 Claims. (Cl. 198—193)



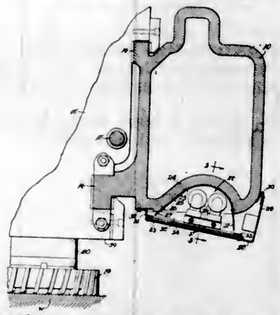
1. A chain adapted for use under widely varying temperature conditions and having a plurality of rows of links interconnected by transversely extending pins, each of said links comprising a bar element having two longitudinally spaced holes through which adjacent pins pass, at least one of the holes in said bar element being provided with a bushing element mounted in the hole and receiving the associated pin, said bushing element being provided exteriorly and intermediate its length with one or more circumferentially extending grooves located in the plane of the bar element, one of said elements being split and resiliently distortable to permit the bushing element to be received in the associated hole in the bar element with the bar element received in the bushing-grooves and with the side walls of said grooves engaging opposite side faces of the bar element to hold the bushing element in fixed position axially of itself relative to the bar element even if said bar element expands relatively to said bushing element as the result of temperature conditions to which the chain is subjected in use.

2,270,859
THREAD CONTROLLING MECHANISM
Rudolf Abrams, Bechtelsville, Pa.
Application July 13, 1938, Serial No. 218,991
7 Claims. (Cl. 66—146)



1. A yarn clamping and let-off device of the type described including fixed and movable clamping elements, guiding means for guiding a yarn between said fixed and movable elements having a plurality of openings so that said yarn may be passed between the elements a plurality of times.

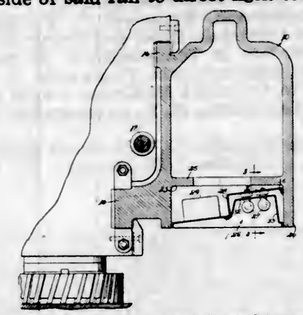
2,270,860
MACHINE TOOL
Oscar J. Anderson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application May 6, 1940, Serial No. 333,577
8 Claims. (Cl. 90—11)



1. A machine tool of the character described having, in combination, a horizontal work table, an elongated rail disposed above and extending across said table having a recess formed along its under side, a tool head disposed in front of and slidable along said rail, a cutter projecting downwardly from said head, and illuminating means disposed in said recess longitudinally of the rail and arranged to direct light downwardly and forwardly to illuminate said cutter in different positions of said head along said rail.

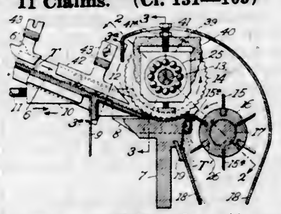
2,270,861
MACHINE TOOL
Oscar J. Anderson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application May 1, 1941, Serial No. 391,402
3 Claims. (Cl. 90—11)

1. A machine tool of the character described having, in combination, a horizontal work table, a crossrail disposed above said table and having a downwardly opening recess along its under side, a tool head disposed in front of and slidable along said rail, a cutter on said head projecting downwardly, illuminating means extending along the under side of said rail to direct light toward said



cutter, and means disposed in said recess above the level of the lower edge of said rail and supporting said illuminating means in the recess above said lower edge so that said illuminating means and its supporting parts are mechanically protected by said rail against workpieces passed beneath the rail.

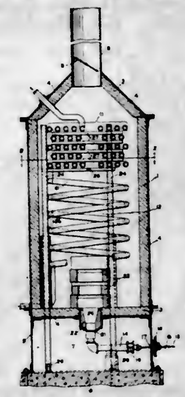
2,270,862
TOBACCO FEED FOR CIGARETTE MACHINES
Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application April 15, 1937, Serial No. 137,021
11 Claims. (Cl. 131—109)



3. In a tobacco feed for cigarette machines, a channel member provided with a concave, a vibrating surface for advancing tobacco in a continuous layer to said concave, a rotatable roller located above and concentric with said concave, said roller having a broken surface for compacting and feeding the entire sheet of tobacco over said concave, means adjacent the discharge edge of said concave for severing the leading edge of said layer, and means for adjusting the roller to and from said concave to control the thickness of layer of tobacco passing thereover.

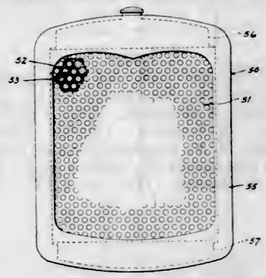
2,270,863
HEATING OF FLUIDS
Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 24, 1938, Serial No. 236,681
8 Claims. (Cl. 122—510)

1. A heater for fluids comprising, in combination, a combustion zone, a heating zone, a stack, an air chamber, means for generating combustion gases in said combustion zone, means for passing combustion gases from said combustion zone through said heating zone to the stack, a fluid conduit disposed in said heating zone to receive heat from said combustion gases passing therethrough, supporting means for said fluid conduit having fluid passageways there-



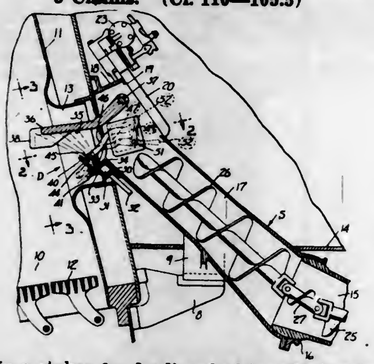
through, said passageways being open to the air chamber and to the heating zone at opposite ends thereof whereby the draft action of the stack induces the flow of air through said fluid passageways to cool said supporting means and the stack gases.

2,270,864
HEAT EXCHANGER
Emilien Blais, commonly known as Emile Blair, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application June 6, 1938, Serial No. 211,979
In Great Britain May 23, 1938
2 Claims. (Cl. 257—128)



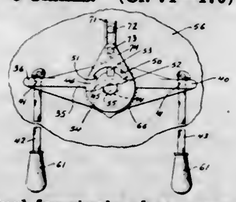
1. A heat exchanger comprising a core including a plurality of thin-walled tubes arranged in rows to define substantially parallel passages for one fluid therethrough and having enlarged ends spacing their body portions apart to provide space for the passage of another fluid around the tubes, spacing strips interposed between at least certain of said rows adjacent the ends of the tubes, relatively thick-walled bushings in the ends of said tubes, and bonding material securing said tubes, spacing strips, and bushings together to define end walls which are closed except for the passage defined by said tubes, corrugated side wall plates extending parallel to said spacing strips in two opposite sides of said core, and duct members disposed at two other sides of said core and secured thereto with their interiors in communication with the space between said tubes.

2,270,865
LOCOMOTIVE STOKER
Dane H. Corey, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 16, 1938, Serial No. 240,613
5 Claims. (Cl. 110—105.5)



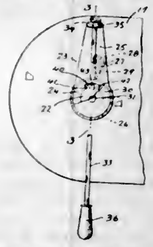
1. In a stoker for feeding fuel to a firebox having an upright wall with a firing opening therein, said stoker comprising a fuel feed conduit communicating with said opening, a pressure fluid head at the forward end of said conduit for directing blasts of pressure fluid in a forward and upward direction, means for urging fuel into the zone of action of said pressure fluid head, a ledge pivotally attached to said pressure fluid head at a point subjacent the zone of action of such head for pivotal movement about a transverse horizontal axis, means for moving said ledge about its pivotally attached end to assume any one of a number of relative positions with respect to said pressure fluid head, and a superimposed fuel directing element above said pressure fluid head against the underside of which fuel is forcibly impinged for subsequent distribution over the firebox.

2,270,866
CONTROLLING MEANS FOR HOISTS
Alfred Cotesworth, Kenmore, N. Y., and Karl W. Stinson, Columbus, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 23, 1938, Serial No. 247,372
6 Claims. (Cl. 74—470)



6. A control for single-phase, reversing electric motors of the type which continues its operation uni-directionally upon too rapid operation of the reversing means, comprising a control shaft freely movable in two directions, a head carried by the control shaft, said head being formed with an arcuate groove having a detent abutment at each end thereof, a drum oscillatably mounted upon the head for unrestrained idle relative movement therewith through a limited path in either direction, whereby to afford time delay in the movement of said shaft to its actuating positions, a detent key carried by the drum and engageable with said abutments for coupling said drum and said shaft at the extremities of said idle relative movement to positively actuate said shaft in either direction.

2,270,867
CONTROL FOR HOISTS
Alfred Cotesworth, Kenmore, N. Y., Karl W. Stinson, Columbus, Ohio, and Frank E. Stahl, deceased, late of Tonawanda, N. Y., by Lillie M. Stahl, administratrix, Tonawanda, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 23, 1938, Serial No. 247,374
2 Claims. (Cl. 74—470)



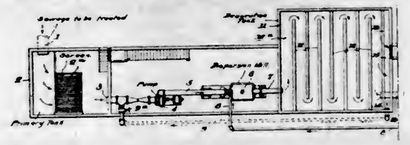
2. A control for single-phase, reversing electric motors of the type which continues its operation uni-directionally upon too rapid operation of the reversing means, comprising a control shaft freely movable in two directions, a manually actuated control lever oscillatably mounted upon said control shaft for unrestrained idle relative movement therewith through a limited arcuate path in either direction, whereby to afford time delay in the movement of said member to its actuating positions, said lever having a single, centrally arranged upstanding arm, said arm being provided with an outwardly bent end, a single operating rope suspended from the bent end of said control lever and adapted to be moved to either side of said shaft for operation, and interspaced detent means carried by said control member and said control lever for coupling said shaft and said lever at the extremities of said idle movement to positively actuate said member to either actuating position.

2,270,868
HARDENED NONFERROUS ALLOYS
Reginald S. Dean and Clarence T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 6, 1941, Serial No. 382,030
10 Claims. (Cl. 148—32)

1. Alloys of copper-manganese-nickel-silver containing at least 10% of each of manganese and nickel, the ratio of manganese to nickel being not less than 0.5 nor more than 2, from 0.1 to 2.0% silver, and the balance copper, the copper constituting at least 18% of the alloy.

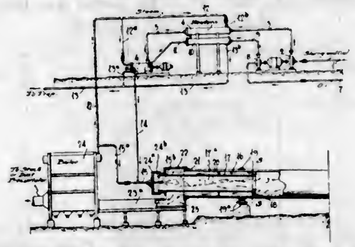
2,270,869
SEWAGE TREATING METHOD AND APPARATUS
Marvin W. Ditto and Robert F. Leftwich, New York, N. Y., assignors to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
Application January 18, 1940, Serial No. 314,520
7 Claims. (Cl. 210—8)

1. In the treatment of sewage, forcing sewage from a source of supply under superatmospheric pressure through a tubular passageway into the lower portion of a pool of sewage spaced from the source of supply, introducing an oxygen-containing fluid under superatmospheric pressure into the sewage as it flows through the passageway, subjecting the admixture of sewage and oxygen-containing fluid as it passes through said passageway to violent turbulence, impact and shear, and thereby breaking solids of the sewage into



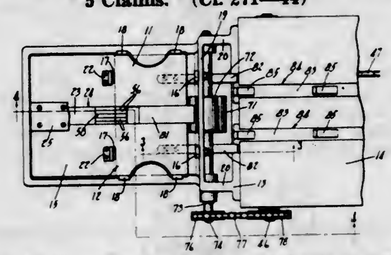
infinitesimal particles and finely dispersing the oxygen-containing fluid in the sewage, subjecting the surface of the pool to substantially atmospheric pressure to allow oxygen-containing fluid and gaseous products of oxidative work to freely escape from the sewage in the pool, and then passing the admixture from the pool through a deaeration channel with sufficient velocity to dioxide, nitrogen and excess oxygen to escape from the admixture.

2,270,870
METHOD OF HEAT-TREATING MATERIALS IN PROCESSES SUCH AS PRODUCTION OF PORTLAND CEMENT OR REDUCTION OF ORES
Marvin W. Ditto and Robert F. Leftwich, New York, N. Y., assignors to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1940, Serial No. 343,670
6 Claims. (Cl. 263—53)



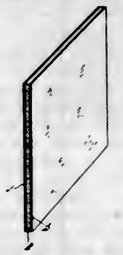
1. A method of the character described, comprising finely dispersing a flowable fuel in solid materials while the latter are in a slurry condition, introducing the mixture in atomized condition into a combustion zone and burning said fuel therein while said materials are mainly in suspension whereby sufficient heat is released to evaporate the moisture in the slurry and raise the temperature of the solids to a reaction temperature, passing the solids, gases and vapors from the combustion zone into an elongated passageway, separating the gases and vapors from the solids and discharging said gases and vapors from the passageway at a point adjacent to the combustion zone, passing the hot solids through said passageway in a direction away from said point, introducing hot gases of combustion into said passageway at a point remote from the first-mentioned point and contacting the same with the hot solids while said hot gases of combustion travel toward said first-mentioned point, and discharging converted solids from said passageway at a point adjacent to that where the hot gases of combustion are introduced into the passageway.

2,270,871
FEEDING DEVICE
John Felber Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1940, Serial No. 360,973
5 Claims. (Cl. 271—44)



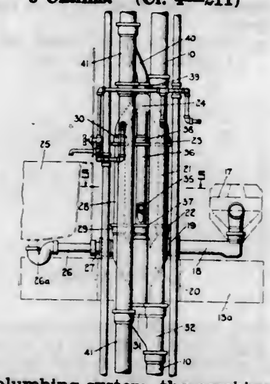
1. A feeding device for curved sheets and sheet material, comprising a support for a sheet, feeding means movable adjacent said support, and a plurality of yieldable fingers pivotally mounted in edge to edge contact on said feeding means for engaging an edge of the sheet to advance the sheet along said support, yieldable means for respectively pressing said fingers against the bottom surface of said sheet, whereby said fingers are adapted to conform to the sheet edge in an elongated line of contact to insure proper feeding without nicking or damage to the curved sheet.

2,270,872
METHOD OF MAKING CERAMIC INSULATORS
Pieter Goede, Leonardus Theodorus Scheerman, Marinus Gerard van Bruggen, Evert Johannes Willem Verwey, and Roelof Dirk Bügel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 11, 1938, Serial No. 195,418
In the Netherlands April 6, 1937
2 Claims. (Cl. 25—157)



2. A method of manufacturing a ceramic insulator comprising the steps of forming a titanium dioxide body substantially free from electrically-conductive titanium oxide of a lower stage of valency, sintering the body to compactness in an oxidizing atmosphere and at a temperature between 1400° C. and 1500° C., cooling the body to a temperature of about 1100° C. and rapidly cooling the body from a temperature of at least about 1100° C. to a temperature of less than about 700° C. to keep the dielectric loss factor smaller than 2×10^{-3} as measured at a wave-length of 200 meters.

2,270,873
MULTIPLE DISCHARGE AND VENTING ASSEMBLY
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,575
3 Claims. (Cl. 4—211)



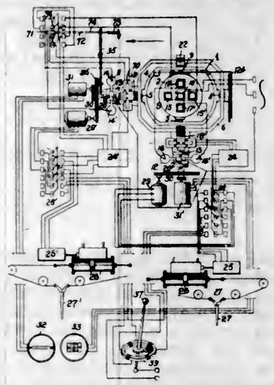
1. In a plumbing system, the combination with a main waste stack and a main vent stack arranged in parallelism therewith, said main waste stack and main vent stack extending vertically through a plurality of floors of a building, of a sub-assembly of waste and vent piping disposed at each of said floors and interconnected to said main waste and vent stacks, said sub-assemblies each including a waste connection fitting having branch openings adapted to receive flows of waste matter from a plurality of plumbing fixtures on the respective floors, the waste discharge from each plumbing fixture entering said waste connection fitting for merger at a level below the level of entry and discharge into said main waste stack at a still lower level, and a vent connection fitting embodying vent piping for individually venting the plumbing fixtures connected to said waste connection fitting and connecting with said main vent stack at a level greatly above the levels at which the waste piping from the individual plumbing fixtures enters said waste connection fitting.

2,270,874
METHOD OF ACTIVATING CATALYTIC SURFACES
Marion H. Gwynn, Leonia, N. J.
No Drawing. Application November 12, 1938, Serial No. 240,007
7 Claims. (Cl. 252—240)

1. In a method of activating the catalytic properties of a porous mass of comminuted metal having extended surfaces of a sulphur sensitive hydrofining metal the step of treating said metal by conveying a wet mixture of nitric acid vapors and a non poisoning gas to said metal until an even adherent coating of hydrated nitrate of said metal having a substantially uniform depth of at least 10^4 metal nitrate atoms is formed.

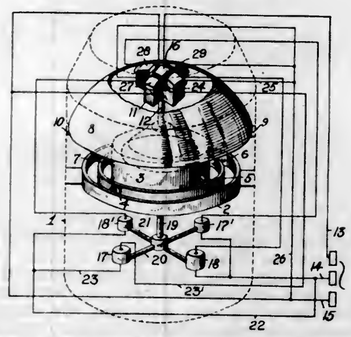
2,270,875
GYRO VERTICAL AND AUTOMATIC PILOT FOR AIRCRAFT
Gerald N. Hanson and Orland E. Esval, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 18, 1939, Serial No. 262,648
23 Claims. (Cl. 244—76)

1. In an automatic stabilizer for aircraft a neutrally mounted gyro vertical, separately mounted gravitational elements, pick-off means responsive to relative tilt of the craft and said gravitational elements for applying a torque on the gyro substantially at right angles to the tilt,



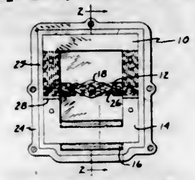
pick-off means responsive to a relative tilt of the airplane and gyroscope for controlling servo motors for the elevator and ailerons to stabilize the craft, and means for transferring the control of the aileron servo motor from the gyro pick-off to the gravitational pick-off during turns.

2,270,876
ALTERNATING CURRENT COERCING MEANS FOR GYROSCOPES
Orland E. Esval, Allendale, and Carl A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 20, 1939, Serial No. 274,724
11 Claims. (Cl. 74—5)



1. In a gyroscopic artificial horizon, a neutrally mounted universally supported gyroscope, a device for electrically producing a transversely moving magnetic field, a second device comprising an electrical conductor inductively associated with said first device, means mounting one of said devices on said gyroscope to tilt therewith, said other device being independently supported on a fixed part adjacent thereto, gravitational means, and a controller actuated thereby for controlling the current flowing through said first device upon relative tilt of the gyroscope and gravitational means, whereby the resulting inductive reaction between said devices serves to maintain the gyroscope vertical.

2,270,877
INDUCTOR ALTERNATING CURRENT GENERATOR
Eugene Herzog, Dayton, Ohio
Application June 6, 1939, Serial No. 277,683
1 Claim. (Cl. 171—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An alternating current generator of the inductor type comprising a closed magnetic circuit including a permanent magnet of high coercive force and an element of high magnetic permeability, an output coil associated with said element, a gap in said circuit having relatively low permeability, spaced pole tips on said permanent magnet, and a laminated rotor of high permeability having lobes capable of establishing a shunt magnetic circuit between said pole tips and around said element in one position of said rotor, said rotor including said lobes being elongated in one direction radial of the axis thereof to a length sufficient to substantially bridge said pole tips, said rotor including said lobes having a width in all parts considerably less than the spacing of said pole tips so that the magnetic spacing of said lobes in said shunt circuit is less than the magnetic spacing in said gap in said one position of said rotor, and consderably greater than the magnetic spacing in said gap in another position of said rotor, to thereby obtain a substantial variation in the magnetic flux linking said coil.

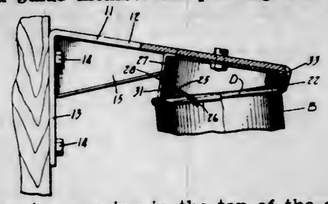
2,270,878
RIB STITCHING CLIP
Walter E. Hirtensteiner, Inglewood, Calif., assignor to Interstate Aircraft and Engineering Corp., a corporation of California
Application February 6, 1940, Serial No. 317,547
2 Claims. (Cl. 244—132)



1. In airfoil construction for airplanes; the combination of a frame member having spaced holes therein, a surface fabric, and a wire clip comprising a wire bent to form an elongated central fabric engaging portion having downwardly and slightly inwardly curved end portions adapted to extend through the holes in the frame member, one of said end portions terminating in an outwardly flared portion whereby the clip may be sprung into position to hold the fabric against the frame member.

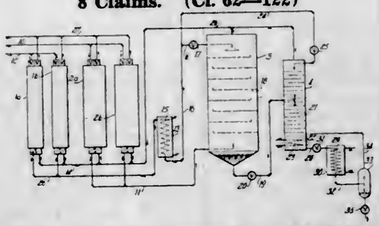
2,270,879
CAN OPENING DEVICE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 12, 1940, Serial No. 369,897
4 Claims. (Cl. 30—16)

1. A can opening device, comprising in combination, a wall bracket, a hook element depending from said bracket for engaging under a projecting end seam of a can placed under the bracket, a guide member also depending from said bracket and disposed opposite said hook element for guiding the adjacent portion of the end seam, and a cutter disposed in close proximity to said guide member for piercing and cutting



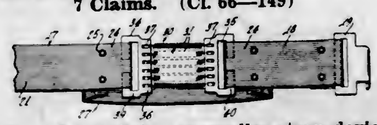
a dispensing opening in the top of the can adjacent its end seam when the can is pivoted on said hook element so that the opposite portion of the end seam rides up along the guide member.

2,270,880
SEPARATION OF KRYPTON AND XENON FROM AIR
Heinrich Kahle, Pullach, near Munich, Germany
Application March 10, 1939, Serial No. 260,943
In Germany April 9, 1938
8 Claims. (Cl. 62—122)



1. Process for the production of krypton and xenon from air which comprises compressing and cooling air, compressing, cooling and liquefying a relatively small portion of air, washing said cooled air with a portion of the liquefied air to form a washing liquid containing krypton, rectifying said washing liquid with another portion of said liquefied air, withdrawing the rectified washing liquid at a relatively high rate, effecting rapid evaporation of a major portion of said withdrawn liquid under continuous downflow, separating the vapors of said evaporation from the remainder of the withdrawn liquid, returning said vapors to said rectification step to be rectified with additional portions of washing liquid, and withdrawing from said separation the remainder of the liquid containing a relatively high concentration of krypton.

2,270,881
WAREROLLER STRAP DEVICE
Lena Lang, New York, N. Y., assignor to Alfred Hofmann, Inc., West New York, N. J., a corporation of New Jersey
Application August 10, 1940, Serial No. 352,140
7 Claims. (Cl. 66—149)



1. In a flat-knitting wareroller strap device of the kind having an inelastic longitudinal strap member with ends adapted to be coupled respectively to the wareroller and fabric and with two

intermediate closed strap loops that are flexible both longitudinally and transversely, and having a tension member composed of two rigid loop-engaging end pieces yieldably interconnected by tension springs; the improvement characterized in that in said tension member each of said two end pieces is substantially of flattened C-shape formed with a transverse aperture which in use accommodates one of the two strap loops and with an entrance gap through which the strap loop by reason of its universal flexibility may be worked into engagement with or disengagement from the aperture; whereby the strap member and tension member of the device may be readily disassembled at will from each other for replacement of either thereof without opening said strap loops.

2,270,882

GRIPPING GLOVE FOR GOLF CLUBS

Albert C. Link, Dayton, Ohio

Application August 5, 1938, Serial No. 223,301
2 Claims. (Cl. 2—159)



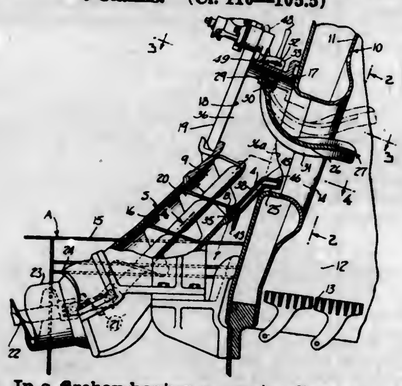
1. A golf glove having a thumbless body provided with a flap member attached along one edge to the palm of the glove, an elastic gripping member disposed to fill the hollow in the palm of the golfer's hand formed by flexing the fingers into gripping position, said member comprising an elongated pad, crescent shaped in transverse section, the back portion tapering in thickness from the center both longitudinally and transversely to thin edges, said gripping member being secured to said flap longitudinally on the outer side thereof so as to be disposed diagonally across the outside of the palm of the glove, so that the longitudinal front concave face of the elastic gripping member may directly engage and partially encircle the handle of a golf club.

2,270,883

LOCOMOTIVE STOKER

Nathan M. Lower, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application October 29, 1938, Serial No. 237,652
6 Claims. (Cl. 110—105.5)



1. In a firebox having an upstanding wall provided with a firing opening, a stoker comprising a fuel feed conduit communicating with said opening and means at the delivery end of said conduit for distributing the fuel delivered from said fuel feed conduit over the fire in said firebox, said distributing means including a hollow pressure fluid head, the top wall of said head being so formed and disposed to normally retain on its upper surface against movement thereacross by gravity substantially all the fuel delivered thereto from said fuel feed conduit, said top wall being provided with a plurality of jet apertures for the emission of fluid under pressure for projecting the fuel from said top wall in an upward direction.

2,270,884

AERIAL TRAILER

Frank G. Manson, Dayton, Ohio

Application November 12, 1940, Serial No. 365,272
11 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



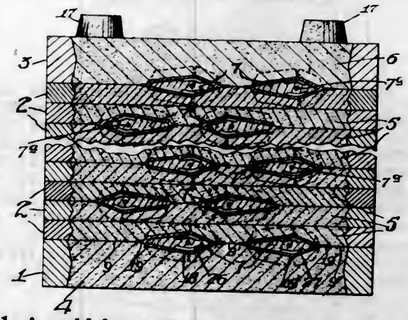
1. An aerial trailer comprising an integral elongated flag-like fabric body target section, means for towing it at its front end, and a short overall length air receiving open sleeve section secured at the rear end of the target section, said body target section being entirely free throughout its length of joints, open tubular sleeves or other passageways for receiving air so as to eliminate drag to the greatest possible extent.

2,270,885

CASTING MOLD

Alexander Ashton Marks, Uniontown, and John D. Augustine, South Uniontown, Pa.; said Augustine assignor to Richmond Radiator Company, Inc., Uniontown, Pa., a corporation of Delaware

Application December 18, 1939, Serial No. 309,810
8 Claims. (Cl. 22—131)



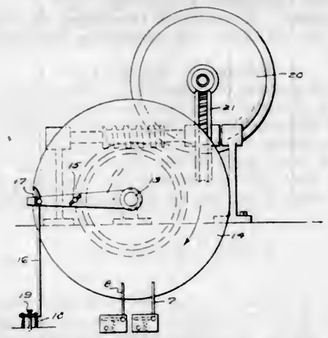
1. A mold for casting, comprising top, bottom and intermediate mold sections having partings between them and arranged in complementary pairs, each of said mold sections containing a shallow concavity with parting faces beside it and each of said intermediate mold sections having a substantially flat parting face on the opposite side thereof from its hollow concavity, and through passages through which said hollow concavities communicate with the partings between flat parting surfaces aforesaid.

2,270,886

AUTOMATIC STARTING AND CHANGE-OVER OPERATING MECHANISM FOR MOTION PICTURE PROJECTION MACHINES

Lowrie B. Mead, Chicago, Ill.

Application June 11, 1940, Serial No. 339,997
5 Claims. (Cl. 88—17)



1. An automatic change-over for a plurality of motion picture projection machines in which each machine is provided with a motor starting switch, a change-over control switch and a reel end alarm switch, and a normally inactive motor driven trip mechanism actuated by the closing of the alarm switch and adapted for actuating both the change-over control switch and the motor starting switch, said trip mechanism comprising a rotating member, and an arm freely mounted on the axis of the rotating member and adjustably connected thereto for engaging the last two named switches during rotation of the member.

2,270,887

CATALYTIC CONVERSION OF HYDROCARBONS

Glen H. Morey, Terre Haute, Ind., and Frederick E. Frey, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1937, Serial No. 173,709. Divided and this application November 2, 1940, Serial No. 364,094
10 Claims. (Cl. 260—683)

1. In a catalytic treatment of a hydrocarbon material at an elevated temperature, the process which comprises passing a hydrocarbon material under conversion conditions over a catalyst comprising reduced unglowed chromium oxide in the form of a gel and prepared by the steps which comprise heating an oxide mixture in the form of a gel which contains unglowed chromium oxide to a temperature within the range of 50 to 200° C. in an oxidizing atmosphere for a period of time sufficient to establish a content of chromium with a valence greater than three that is equivalent in oxidizing capacity to a hexavalent chromium content within the range of 1 to 40 per cent of the total chromium in said mixture, treating the resultant material with a suitable reducing gas at a temperature between 150 and 300° C. until reduction is substantially complete, and subsequently heating the material so treated gradually to a temperature within the range of 550 to 800° C., in a nonoxidizing atmosphere sufficiently slowly that the unglowed condition of said chromium oxide is substantially conserved, and maintaining the reduced material within said temperature range for a period of from 1 to 24 hours.

2,270,888

NONDRYING WATER-WASHABLE LAPPING AND GRINDING COMPOSITION

Dean K. Murray and John M. Olson, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,260
8 Claims. (Cl. 51—304)

3. A grinding and lapping composition comprising abrasive suspended in a complex comprising a polyvalent metal soap bearing grease and a soap bearing oil in intimate admixture, said soap bearing oil being water-emulsifiable.

2,270,889

MANUFACTURE OF PENTAERYTHRITOL-POLYCARBOXYLIC ACID RESINS

Kurt Nagel, Frankfort-on-the-Main, and Franz Koenig, Walldorf, near Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.

No Drawing. Application September 17, 1938, Serial No. 230,426. In Germany October 11, 1937
6 Claims. (Cl. 260—75)

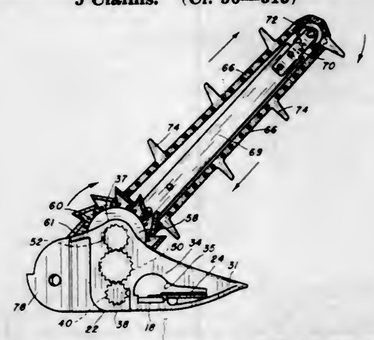
1. In the process for preparing artificial resinous products from poly-carboxylic acids and polyhydric alcohols which involves melting about 136 parts of pentaerythritol and about 290 parts of adipic acid to form a reaction mixture, holding said reaction mixture at about 140° C. for about 0.5 hour until the evolution of water vapor is practically finished, whereby a first stage condensation product is obtained, the improvement which comprises heating said first stage condensation product at about 130° C. in a vacuum for about 1½ hours to obtain a tempered heat treated condensation product, and then subjecting said tempered heat treated condensation product to a temperature of about 120° C. for about 0.5 hour at atmospheric pressure to obtain a hardened ripened condensation product.

2,270,890

HARVESTER MECHANISM

Chris Neuenschwander, Seattle, Wash.

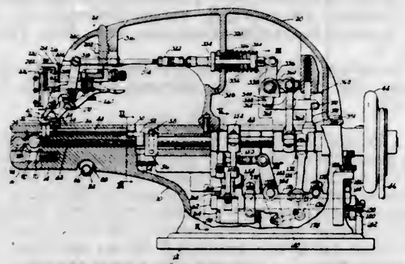
Application December 6, 1940, Serial No. 368,833
5 Claims. (Cl. 56—315)



1. In a harvesting machine of the type wherein cutter mechanism having supporting shoes is advanced over the surface of the ground, auxiliary edge-cutting mechanism comprising a gear case mounted in a supporting shoe, a train of gears in said gear case, means for rotating said gears, a shaft driven by said gears, a rotary

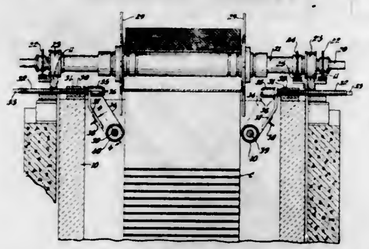
sickle mounted on said shaft and driven thereby, means on said shoe cooperating with said rotary sickle to cut vegetation presented thereto, an upwardly extending supporting arm on said shoe, a sprocket adjacent each end of said supporting arm, means common with the driving means for said sickle for driving one of said sprockets, an endless chain encircling said sprockets, and crop gathering fingers on said chain adapted to pass close to said rotary sickle.

2,270,891
FOLDING MACHINE
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 26, 1940, Serial No. 320,855
20 Claims. (Cl. 12—54)



1. In a folding machine having folding and work feeding instrumentalities, a creaser foot, and means supporting said creaser foot for pivotal movement about an axis which forms an acute angle with the line of feed.

2,270,892
PICKLING MACHINE
Stone Nyberg, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
Application October 12, 1940, Serial No. 360,934
4 Claims. (Cl. 266—7)



1. Pickling apparatus for pickling a coil of metal comprising a tank containing liquid, a mandrel upon which the coil is supported, means for rotating the mandrel to rotate the coil thereon, and roller means extending along the side walls of the tank below the mandrel and slightly spaced from opposite ends of the coil for preventing the coil from telescoping, the axes of the rollers being horizontal and parallel to the side walls of the tank.

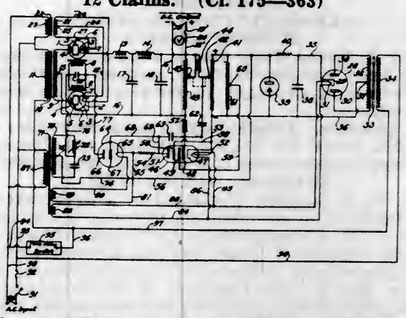
2,270,893
PROCESS OF IMPARTING HYDROPHOBIC PROPERTIES TO FIBROUS MATERIALS
Ludwig Orthner and Gerhard Balle, Frankfort-on-the-Main, and Georg Dittus, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 10, 1938, Serial No. 245,036. In Germany December 10, 1937
4 Claims. (Cl. 8—113)

1. The process of imparting hydrophobic properties to fibrous materials by impregnating the fibrous material in a bath, which contains a salt of a member of the group consisting of isothiourea and isothiourea substituted by hydrocarbon radicals the isothiourea carrying at the sulfur atom a radical of the group consisting of

$$-CH_2\cdot X\cdot R \text{ and } -CH_2Ar\begin{matrix}OH\\ \diagup\\ \diagdown\\ R\end{matrix}$$

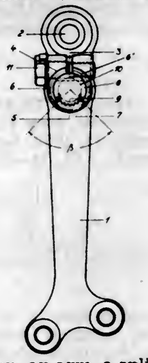
wherein R stands for a hydrocarbon radical of at least 6 carbon atoms, Ar stands for an aromatic radical, X stands for a member selected from the group consisting of O, S, secondary nitrogen, tertiary nitrogen, atom groups containing O and S and N, respectively, squeezing out the impregnated fibrous material, drying it and subsequently heating it to a temperature from about 80° C. to about 150° C.

2,270,894
CONTROLLED RECTIFIER AND BATTERY CHARGER
Wilcox P. Overbeck, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 29, 1938, Serial No. 187,673
12 Claims. (Cl. 175—363)



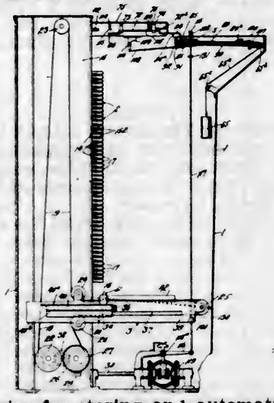
4. A rectifier system comprising an alternating current supply circuit, a direct current output circuit, a rectifier interposed between said circuits, a control circuit, control means for controlling the output of said rectifier in response to current flowing in said control circuit, means for supplying discontinuous current pulses to said control circuit at the frequency of said alternating current source, said control circuit comprising an inductance and a capacity in parallel of a value whereby a substantially since wave alternating current of the frequency of said alternating current source flows in said control circuit when said current pulses are supplied to said control circuit, and means for varying the amplitude of said current pulses in accordance with a desired controlling variation, whereby the amplitude of the current flowing in said control circuit is varied.

2,270,895
SPLINED CONNECTION
Karl Rabe, Stuttgart, Germany, assignor to Dr. Ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application April 26, 1939, Serial No. 270,095
In Germany April 28, 1938
1 Claim. (Cl. 287—52.02)



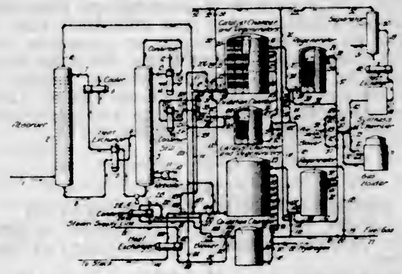
In combination, an arm, a split hub on said arm having a generally smooth bore provided with a plurality of splines spaced partially about the circumference of said bore in a group on the arm side of said bore and spaced from the split portion of said hub, a generally smooth trunnion in said bore having a plurality of splines extending partially about its circumference and engaging the splines in said bore, and means for tightening the smooth split portion of said hub against the smooth portion of said trunnion, whereby the interengaging splines prevent relative rotation between said arm and trunnion and the greatest part of the lateral pressure resulting from tightening of said hub is exerted upon the smooth part of the trunnion to prevent injury to said interengaging splines and permit a proper division of the load among them.

2,270,896
RECORD SELECTING AND PRESENTING DEVICE
Francis Felix Claude Rippon, New York, N. Y.
Application July 14, 1937, Serial No. 153,682
32 Claims. (Cl. 129—16.1)



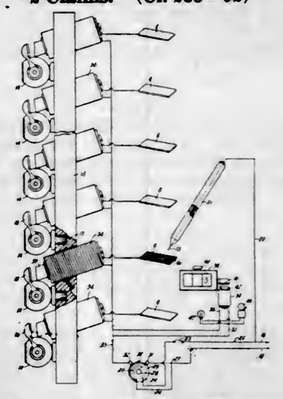
5. A device for storing and automatically selecting a desired record card comprising a number of record files each adapted to contain a number of record cards, means for selecting and removing from the other files the file in which a desired record card is filed, and means operable after removal of the file for substantially withdrawing the desired record card from its file.

2,270,897
METHOD OF MAKING SYNTHESIS GAS
George Roberts, Jr., Montclair, Walton H. Marshall, Jr., Nutley, N. J., Dustin W. Wilson, Scarsdale, N. Y., and Percival C. Keith, Jr., Peapack, N. J., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application February 17, 1938, Serial No. 190,948
8 Claims. (Cl. 252—373)



2. In a method of producing a synthesis gas mixture of carbon monoxide and hydrogen in a catalytic contact zone in which a mixture of hydrocarbon gas, steam and carbon dioxide is converted into synthesis gas in the presence of a nickel catalyst between temperatures of 1800° F. and 2200° F., the step of bleeding a portion of the synthesis gas mixture, subjecting the bled portion to oxidation by means of an easily reducible metal oxide to form carbon dioxide and steam, and introducing the carbon dioxide and steam to the catalytic zone as the carbon dioxide and steam used during the conversion step.

2,270,898
LISTING MACHINE
Harry F. Robinson, Cincinnati, Ohio
Application June 1, 1939, Serial No. 276,862
2 Claims. (Cl. 235—92)



1. An apparatus of the class described, for operating upon an order sheet or the like, and comprising in combination: a sectional exterior and exposed panel of electricity conducting

material providing a suport for an order sheet marked off in divisions and adapted to be superposed on the panel for unrestricted access and visibility by an operator, the sections of the panel being electrically insulated from one another and being spaced and dimensioned to correspond with divisions of the sheet which specify items of merchandise and quantities thereof, the sections of the panels directly underlying the divisions of the order sheet in registry, counters including electromagnetic operators and corresponding in number to the number of panel sections, a stylus of electricity conducting material for selective application to any one of the panel sections by penetrating the order sheet, electrical circuits each including an electromagnetic operator for a counter, a panel section, the stylus, and a source of intermittent electrical potential pulsating at a rate sufficiently slow to enable an operator to count the pulsations, the stylus when used for penetrating the order sheet serving to close an electrical circuit through a selected one of the panel sections and its associated counter corresponding to an order sheet division penetrated by the stylus.

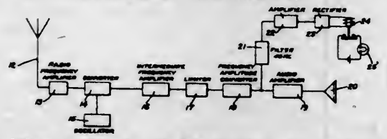
2,270,899

FREQUENCY MODULATION SYSTEM

Hans Roder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 12, 1938, Serial No. 240,143

14 Claims. (Cl. 250—6)



1. The method of signalling by frequency modulation from one station to another station which is receiving signals from a third station having the same carrier frequency as that transmitted by said one station and having intensity more than twice as great as the intensity of signals received from said one station, which includes the steps of frequency modulating the carrier wave of said one station, by an amount greater than the frequency modulation of the signals received from the third station and at a rate greater than the rate of frequency modulation of the signals from said third station, and receiving said signals in said other station.

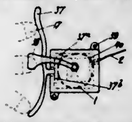
2,270,900

VOLUMETRIC COMMAND-DEVICE FOR CONTROLLING OF OPERATION OF ENGINES

George A. Rubissow, New York, N. Y.

Application September 14, 1938, Serial No. 230,415

2 Claims. (Cl. 74—513)



1. In combination with the throttle of a vehicle, a device consisting of a rigid casing rigidly affixed in respect to the flooring, said casing containing a pneumatic bulb filled with a substance under pressure, two levers mounted through an opening in the said casing, each of said two levers being provided with a surface adjacently connected to said bulb, each of said levers adapted to compress said bulb when each said lever is moved to and fro by the foot of the driver, said bulb being connected by a pneumatic tubular connection to another bulb rigidly affixed in respect to the throttle of the carburetor through the intermediary of a pivotal lever, whereby when the compression is increased in the bulb of the said casing, the said compression is thereafter transmitted to the said other bulb and the said throttle is actuated accordingly.

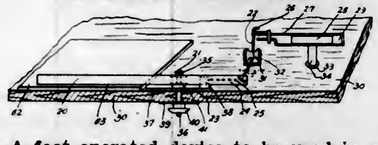
2,270,901

ACCELERATOR PEDAL ACTUATING DEVICE

George A. Rubissow, New York, N. Y.

Application November 15, 1939, Serial No. 304,504

12 Claims. (Cl. 74—513)



1. A foot-operated device to be used in combination with the common accelerator pedal comprising a lever mounted upon an axle substantially perpendicular to the flooring and a flexible connecting means attached by its one end to the said lever and by its other end attached to the said accelerator pedal, said flexible connection on its way from the lever to the said accelerator pedal being guided by at least one guide means rigidly affixed to the flooring.

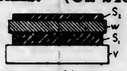
2,270,902

ANTIVIBRATION MEANS AND METHOD OF USE OF SAME

George A. Rubissow, New York, N. Y.

Application November 25, 1939, Serial No. 306,072

6 Claims. (Cl. 248—358)



1. A resilient supporting member to be interposed between a support and supported object for dampening the transmission of vibration originating in the said support or in the said supported object, said supporting member comprising two resilient spacing means and a free floating member interposed between the said resilient spacing means, said interposed free floating member having sufficient weight to provide a substantial amount of inertia for dampening the said vibrations.

2,270,903

METHOD OF TREATING GASES WITH PULVERULENT SUBSTANCES

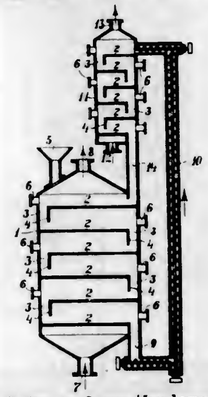
Wolfgang Rudbach, Berlin-Wilmersdorf, Germany, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany

Application July 5, 1939, Serial No. 282,867

In Germany July 23, 1938

1 Claim. (Cl. 183—4)

In the treatment of gases with a pulverulent substance in a plurality of successive chambers, wherein the floor of each chamber is a fixed screen having perforations of predetermined size relative to the grain size and specific gravity of the pulverulent substance, and the successive chambers are connected by vertical passages through the screens, the method of moving the pulverulent substance through the successive chambers which consists in distributing the pulverulent substance over said screens and filling said passages with said substance, passing the gases to be treated upward through the screens and the pulverulent substance thereon with a velocity correlated with the size of the screen perforations, the grain size and specific gravity of the pulverulent substance to agitate said substance and cause it to flow in the manner of a fluid, regulating the rate of discharge of used



pulverulent substance from the lowermost chamber and supplying fresh quantities of the pulverulent substance at the same rate to the uppermost chamber, said substance being moved gravitationally in said passages between said chambers and flowing substantially horizontally across each of said screens into the respective passages therethrough to maintain the levels of the substance substantially constant over the several screens and in the several passages.

2,270,904

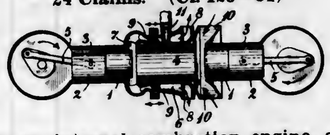
INTERNAL COMBUSTION ENGINE

Hans Rutishauser, New York, N. Y.

Application May 5, 1939, Serial No. 271,893

In Switzerland March 23, 1939

24 Claims. (Cl. 123—51)



8. In an internal combustion engine, a cylindrical combustion chamber, a piston adapted to move into and out of said chamber, cylindrical supporting means for said piston, the latter being of smaller cross-section than said cylindrical supporting means, a guiding cylinder for said piston and supporting means, said guiding cylinder being spaced from said combustion chamber and being disposed in axial alignment therewith, to permit said piston to slide from the guiding cylinder into said combustion chamber and back, an inlet and an outlet communicating with said combustion chamber and arranged in the space between said guiding cylinder and said combustion chamber, said inlet serving to admit fresh air to said combustion chamber, a conduit spirally surrounding said chamber and communicating with said outlet to receive exhaust gases from said combustion chamber, said piston acting as valve for said inlet and outlet, the hot exhaust gases in said conduit preventing heat escape from said chamber, whereby the beginning of substantially adiabatic expansion is delayed.

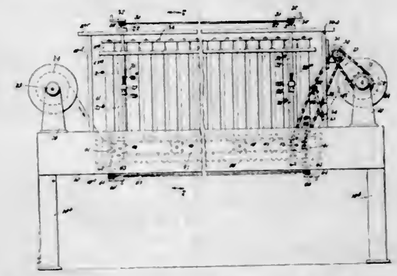
2,270,905

UNIVERSAL MERCURY CIRCUIT BREAKER

Gustave W. Seiler, Maplewood, N. J., and Joseph H. Rohs, New Rochelle, N. Y., assignors to Commercial Developments, Inc., a domestic corporation

Application August 25, 1939, Serial No. 291,854

5 Claims. (Cl. 200—46)



1. A universal mercury circuit breaker, comprising a body, a frame having a plurality of openings releasably holding a plurality of insulated contact members with contacts, a guide rail for perforated tape or cards and located beneath said frame, means for advancing said tape or cards, a mercury container beneath said insulated contact members with contacts with the later parts engaging therein, means for vertically adjustably supporting said container on said body, and means for holding said frame and guide rail in various fixed spaced positions and for supporting this unit in fixed vertical adjusted positions on said body and each of said insulated contact members with contacts comprising an insulated body, a conductor rod extending through said body, and a resiliently mounted contact on the bottom of said conductor rod.

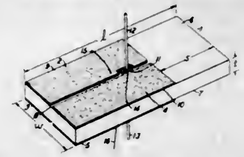
2,270,906

PIEZOELECTRIC CRYSTAL APPARATUS

Herbert J. McSkimin, Lynhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

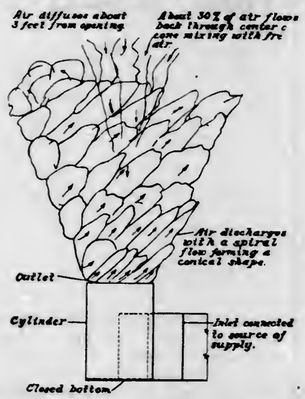
Application November 16, 1940, Serial No. 365,910

20 Claims. (Cl. 171—327)



1. A piezoelectric crystal plate having a substantially rectangular major face and means for simultaneously driving said plate in two substantially uncoupled modes of motion, one of which is the extensional mode and the resonant frequencies of which are independently controlled by different dimensions of said face, said means including two substantially equal electrodes covering only a portion of the area of said face leaving the remaining area uncovered, said electrodes being adjacent to one edge of said face and adjacent to each other, and the ratio of said covered area to the whole area of said face being chosen between the limits of 50 and 70 per cent to provide a desired predetermined ratio between the internal capacitances associated with said two modes of motion.

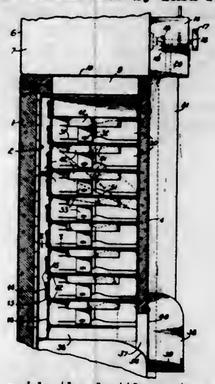
2,270,907
DIFFUSER
Franklin L. Slade, Washington, D. C.
Application April 27, 1938, Serial No. 204,636
3 Claims. (Cl. 98—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for diffusing the flow of fluid, a pair of relatively rotatable cylinders, one within the other, and with a common open discharge outlet end, one of said cylinders carrying an inlet duct arranged tangentially with respect to the perimeter of said cylinder, and the other cylinder being provided with a port adapted to be placed into and out of registry with said inlet duct, said inlet duct being connected with a source of fluid, means causing a flow of fluid from said source to said duct, said cylinders being relatively large in cross sectional area with respect to the cross-sectional area of said inlet duct, thereby constituting in effect an expanding taper to the diffusion system in order to decrease the velocity from said inlet to said outlet end, said inner cylinder being of a length equal to from one to two times its diameter, all whereby the flow of fluid from the outlet of said cylindrical member is of a spirally conical form for a predetermined distance from said outlet and further whereby a substantial portion of said fluid flow is automatically diverted inwardly so as to be returned toward the center of the cone and toward said outlet.

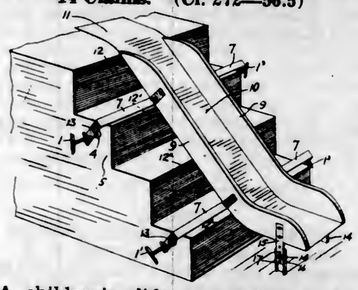
2,270,908
VENDING MACHINE
Milton Lee Smith, Oak Park, Ill.
Application September 9, 1939, Serial No. 294,104
14 Claims. (Cl. 312—48)

1. A self-service type of vending machine including in combination a refrigerator box having a main refrigerated chamber accessible only by means of a normally locked door of the refrigerator box, a bottled beverage dispensing unit in said chamber, stop mechanism for controlling the discharge of bottles one at a time from the dispensing unit, a selector mechanism on the exterior of the box and movable into a selected position and then operable by a customer to operate the stop mechanism for the release of a selected bottle of beverage from the dispensing unit, a cushioned receiving pocket on the exterior of the refrigerator box and communicating with the interior thereof, and pivoted trap door mechanisms in the refrigerator box for receiving the discharged bottle from the dispensing unit and successively movable into contact with one another by said released bottle



to gradually guide the bottle out of the machine into the receiving pocket.

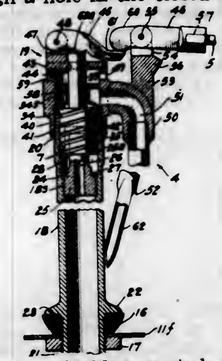
2,270,909
SLIDE
Samuel Spizer, Philadelphia, Pa.
Application August 9, 1938, Serial No. 223,894
14 Claims. (Cl. 272—56.5)



1. A children's slide comprising an inclined body member; a substantially horizontal rest member formed on said body member near the upper end thereof; and at least one vertically adjustable leg attached to the lower end of said body member.

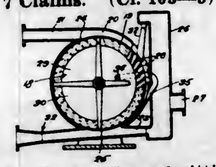
2,270,910
WATER CONTROL FOR CLOSET TANKS
Bennett Svirsky, Glendale, Calif., assignor, by direct and mesne assignments, to Sans Incorporated, a corporation of California
Application January 15, 1940, Serial No. 313,810
9 Claims. (Cl. 137—104)

2. A ball-cock comprising a tubular casing, a valve body provided with a member having a passage-way mounted in said casing, there being a plunger space between said valve body and the end of said casing, a plunger slidably mounted in said plunger space and normally closing said passage-way, said plunger having a double spiral groove in its external face extending from end to end thereof, a cap structure fastened to said tubular casing, said cap structure having a tubular chamber concentric with said plunger space, said cap having a plurality of radially extending antisyphon holes in the wall of said chamber adjacent the cap's otherwise closed end, a spout for said cap, said spout having a passage-way communicating with said tubular chamber subjacent said anti-syphon holes, said plunger having a stem extending axially through said tubular chamber and having an outer end portion projecting through a hole in the closed end of said



cap, and a washer slidably mounted on said stem to open and close communication between said anti-syphon holes and the passage-way of said spout.

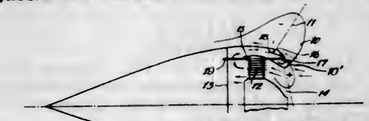
2,270,911
KINETIC PUMP
Walter H. Tinker, Boston, Mass., assignor of ten one-hundredths to Charles W. Linton and ten one-hundredths to Dr. William R. Cox, both of Akron, Ohio
Application February 19, 1940, Serial No. 319,770
7 Claims. (Cl. 103—5)



1. In a boiler feed water admitting apparatus of the type in which a high velocity steam jet from the boiler being fed meets a column of water in a conduit moving in approximately the same direction accelerating the velocity of the mixture and transforming the velocity of the mixture column into pressure in the boiler superior to boiler pressure, means forming a movable wall of said conduit, carrying said water column, a nozzle positioned to impinge a jet of steam upon said water column while on said moving wall, at a point subsequent to the point of initial engagement of said water column with said movable wall, whereby said wall is maintained at a high velocity of linear movement by said steam jet acting through the water carried thereby, for enhancing the velocity of flow of said water column at the said point of impingement.

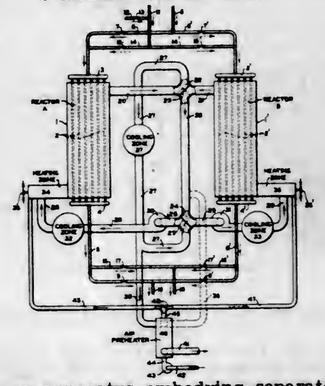
2,270,912
COWLING FOR AIRCRAFT
Theodore Theodorsen, Hampton, Va.
Application July 1, 1938, Serial No. 216,945
24 Claims. (Cl. 244—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an aircraft including a low drag housing, in combination, an engine having heat radiating means, means defining a cooling air inlet at a position of positive pressure for passing cooling air over said heat radiating means, means defining a plurality of outlets located toward the front of said housing, for discharging said cooling air after passage over said heat radiating means, one of said outlets being located adjacent the forward extremity of the zone of



negative pressure, and the other outlet being located adjacent the point of maximum negative pressure, and means for selectively closing either of said outlets.

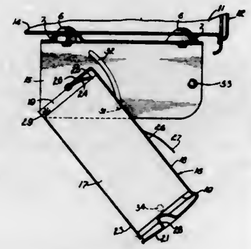
2,270,913
CONTROLLING TEMPERATURES IN SIMULTANEOUSLY CONDUCTED ENDOTHERMIC AND EXOTHERMIC REACTIONS
Maynard P. Venema, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 4, 1939, Serial No. 302,847
2 Claims. (Cl. 23—288)



1. In an apparatus embodying separate heat exchanger type reactors each having an inlet conduit for supplying a separate stream of heat exchange fluid to each reactor, heat exchange fluid propulsion means in each of said inlet conduits, means associated with each of said inlet conduits for selectively supplying heat to either of said streams on the discharge side of said propulsion means and exterior to the reactors, means associated with each of said inlet conduits for selectively cooling either of said streams on the discharge side of said propulsion means and exterior to the reactors, a switching zone common to said inlet conduits disposed on the suction side of said propulsion means, discharge conduits for the heat exchange fluid leading from each of the reactors to another switching zone, a first conduit directly connecting said switching zones, a second conduit connecting said switching zones and having means disposed therein for cooling the stream of heat exchange fluid passing therethrough, and stream-directing means in each of said switching zones, said stream-directing means being adjustable to selectively direct the stream of heat exchange fluid discharged from either of the reactors through said first connecting conduit to the suction side of the propulsion means in the inlet conduit communicating with the same reactor and to direct the stream of heat exchange fluid discharged through the outlet conduit of the other reactor through said second connecting conduit and the

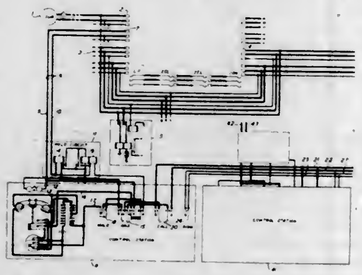
cooling means disposed therein to the suction side of the propulsion means in the inlet conduit communicating with the last mentioned reactor.

2,270,914
DISPENSER
Eugene Louis Williams, Niles, Ill., assignor, by direct and mesne assignments, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application July 10, 1939, Serial No. 283,627
12 Claims. (Cl. 312—50)



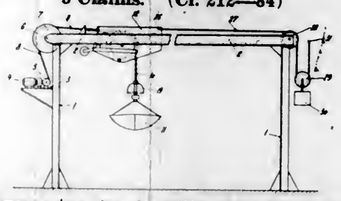
1. In combination, a substantially flat horizontal supporting member, a rectangular boxlike container below said member, said container having a closed front and an opening in the top through which sheets of paper can be withdrawn, means for holding a box of said sheets in said container, and means for pivotally supporting said container from said supporting member for rotation about a horizontal axis near the back of said container.

2,270,915
SPECIAL SERVICE COMMUNICATION SYSTEM
Henry H. Abbott, Yonkers, and Langford J. Bowne, Howard Beach, N. Y., and Albert Tradup, West Englewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1940, Serial No. 361,376
6 Claims. (Cl. 179—27)



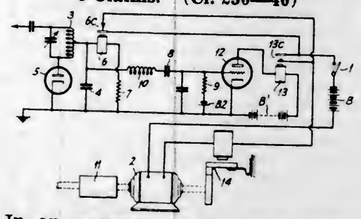
1. In a communication system, a conference circuit arrangement comprising a controlling station, a conference circuit and a plurality of subordinate stations, means under control of said controlling station for simultaneously calling all of said subordinate stations and means under control of all said stations for holding said conference circuit until every one of said stations has released.

2,270,916
OPERATING APPARATUS FOR GRABS OR THE LIKE
Pierre Jean Marie Theodore Allard, Le Havre, France, assignor to Societe Francaise de Construction de Bennes Automatiques, Graville-Le Havre, France, a French company
Application July 4, 1939, Serial No. 282,817
In France March 3, 1939
5 Claims. (Cl. 212—84)



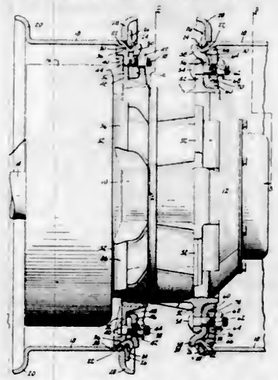
1. Apparatus for handling goods or the like and adapted to operate with a grab of the single rope type, comprising a practically horizontal guideway, a carriage movable thereupon, means on this carriage adapted to hold the grab and to permit its opening, the grab being hooked to and suspended from said means at the end of its lifting movement, means for winding the rope of the grab, guiding means for said rope disposed at one end of the apparatus and a reaction means adapted to act on said carriage and to exert a force thereon for bringing it at the end of the guideway in contact with a stop which brakes the carriage, and further means for braking the carriage and for stopping it when the grab is not suspended from this carriage and is over the loading point and means for releasing said braking means as soon as the grab is suspended from this carriage.

2,270,917
ELECTRICAL REMOTE CONTROL SYSTEM
William Arnold Appleton, Wembley, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1940, Serial No. 335,534
In Great Britain February 8, 1939
8 Claims. (Cl. 250—40)



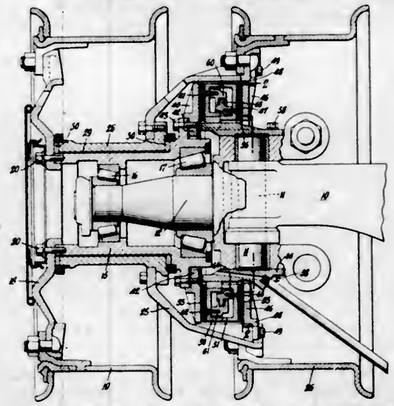
1. In an arrangement for automatically adjusting a tunable circuit to resonate at the frequency of signalling energy impressed thereon, a tuning instrumentality for tuning said circuit, an electric motor for operating said tuning instrumentality, means for supplying electrical energy to said motor, a control circuit for said motor, means for transferring a portion of the signalling energy in said tunable circuit to said control circuit, said control circuit including a first relay device operated in dependence upon the absolute value of the energy impressed upon said control circuit and a second relay device operated in dependence upon the rate of change of the energy impressed upon said control circuit, said second relay device acting upon operation to stop the operation of the motor.

2,270,918
DUAL WHEEL VEHICLE
Charles S. Ash, Milford, Mich.
Application June 23, 1939, Serial No. 280,741
3 Claims. (Cl. 301—13)



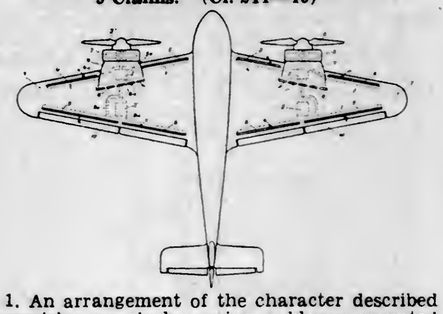
1. A demountable rim wheel including a wheel member having a generally circular periphery, spaced-apart slots in the periphery of the wheel and wall members inwardly of the slots, inner lugs insertable through said slots to extend radially outwardly therethrough for engagement with the inner side of the rim, each of said lugs having a fulcrum portion to engage the wall member, and a tooth to engage the wheel at the slot to prevent accidental disengagement of the lug, and outer lugs secured to the wheel by threaded means and moved thereby to clamp the rim between the inner and outer lugs.

2,270,919
BRAKING MEANS FOR DUAL WHEELS
Charles S. Ash, Milford, Mich.
Application October 12, 1939, Serial No. 299,087
11 Claims. (Cl. 188—18)



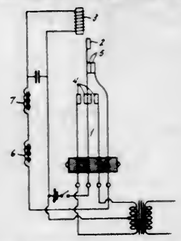
7. In a vehicle wheel brake for dual wheels, a pair of expansible disc-like brake members each adapted to frictionally engage a disc-like brake member, respectively carried by the two wheels which together form the dual wheel, and means for holding said first brake members in coaxial relation and for axially expanding said first brake members, including inclined, interengaging and relatively rotatable members mounted on the first brake members.

2,270,920
ARRANGEMENT FOR EXHAUSTING AND DISCHARGING AIR FROM AND INTO THE SKIN LAYER
Georg Backhaus, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application February 23, 1940, Serial No. 320,405
In Germany December 8, 1938
9 Claims. (Cl. 244—40)



1. An arrangement of the character described comprising an airplane wing, a blower mounted therein, said wing having a passage therein communicating with the upper wing surface through longitudinally spaced slots extending along the leading edge of the wing, said wing having a second passage therein communicating with an opening through the upper wing surface extending substantially parallel to the slots and located in an intermediate section of the wing rearwardly of said slots to substantially bridge the space between them, means connecting said blower to said slot passage and said second passage as to draw air from the one and discharge it through the other.

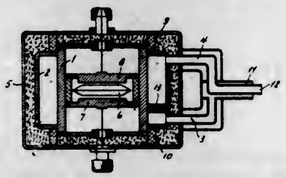
2,270,921
VIBRATOR
Hans Bartels, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 5, 1939, Serial No. 297,969
In Germany October 11, 1938
3 Claims. (Cl. 175—373)



1. In a circuit interrupter including a vibrator and a magnetic driving circuit for said vibrator, means in said exciter circuit for appreciably delaying the magnetic driving force applied to the vibrator to such an extent that it is mainly effective during travel of the vibrator in the direction of attraction of said magnetic force, said means comprising iron in a portion of the exciter circuit so arranged that the ratio of the flux linking said circuit to current flowing therein diminishes as the current approaches its maximum value whereby the effective instantaneous value of circuit inductance of the exciter circuit

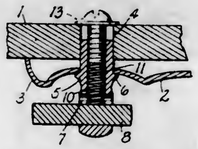
is relatively large for small currents and relatively small for large currents with the result that as compared to the rate of growth of current through a constant inductance of a value which is intermediate said large value and said small value of circuit inductance, the current increases more slowly at first and more rapidly thereafter.

2,270,922
PIEZOELECTRIC CRYSTAL HOLDER
Rudolf Bechmann and Wilhelm Schneider, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 17, 1939, Serial No. 299,792
In Germany September 12, 1938
7 Claims. (Cl. 171—327)



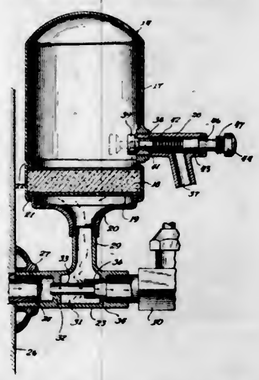
1. A piezo-electric crystal holder comprising a crystal located within a casing, an inner wall for said casing which surrounds the crystal, a rib system arranged outside said inner wall, a circulating fluid path formed by said rib system which surrounds the crystal and having its path in contact with the inner wall of said casing, and an inlet and an outlet at substantially the same point on the outside wall of said casing.

2,270,923
NONVIBRATING PULL FOR RADIOS AND THE LIKE
Albert L. Birdsall, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application August 22, 1940, Serial No. 353,714
1 Claim. (Cl. 16—126)



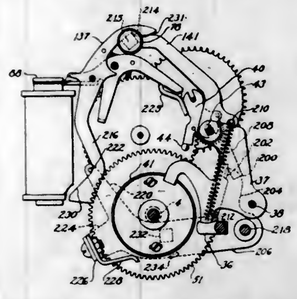
A handle pull for a radio or like cabinet panel, comprising an escutcheon adapted to be mounted on the front of the panel and having an opening in alinement with a panel opening, a post telescopingly receivable in said openings having a shoulder restrainingly engaging said escutcheon to maintain the post in operative relation to the escutcheon, said post having associated therewith a securing screw engageable with the rear side of the panel to hold the post and escutcheon in place thereon, and having an axial bore therein threaded at its rear for engagement with the screw and a transverse recess communicating with the bore and pivotally receiving a handle pintle, said recess confining said pintle to a position spaced forwardly of and out of engagement with said escutcheon, and a coil compression spring disposed in said bore and engaging said pintle and screw at its opposite ends whereby to prevent vibration of the pintle when compressed by the screw.

2,270,924
FILTER
Frank P. Blair, Chicago, Ill.
Application March 6, 1939, Serial No. 260,027
5 Claims. (Cl. 210—114)



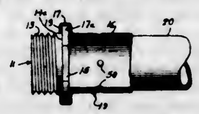
2. A filter combination comprising a T member, having one upstanding leg, one leg adapted to be connected to a water pipe, and one leg adapted to have a faucet connected thereto, a reservoir attached to said upstanding leg, a filter element set across the lower portion of the reservoir, and a spring pressed valve set in the reservoir immediately above said filter element, said valve comprising a seat within the reservoir, a valve element engaging said seat by spring action to close the valve, and an exterior stem, the valve being so constructed and arranged that pressure on such stem is effective to move said valve element from said seat.

2,270,925
SIGNAL APPARATUS
Frank R. Bridges, Needham, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts
Application April 19, 1940, Serial No. 330,581
13 Claims. (Cl. 177—361)



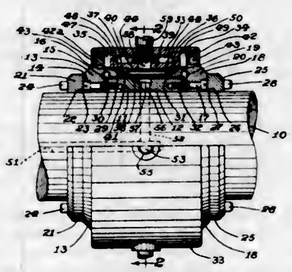
1. In a signaling device having code signaling contacts and a normally wound operating spring for driving the device through a plurality of operating cycles, a circuit controller having emergency switch contacts for connection of the code signaling contacts with an emergency signaling circuit, and means actuated by engagement with the spring during unwinding thereof for abnormally conditioning said circuit controller to operate said emergency switch contacts while said spring is still conditioned to drive said device through at least one complete operating cycle.

2,270,926
FITTING
Theodore W. Briegel and Ray W. Asbury, Galva, Ill.
Application June 22, 1940, Serial No. 341,836
2 Claims. (Cl. 285—193)



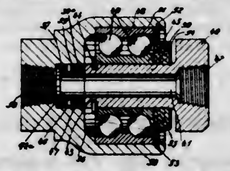
1. A fitting assembly comprising a drawn sheet metal nipple having a radially extending non-circular peripheral flange at one end thereof, a drawn sheet metal tubular member having an enlarged end portion of conforming non-circular shape providing an inner shoulder against which said flange abuts, said enlarged portion being deformed about the periphery of said flange to completely enclose and tightly engage the same, and a conduit extending into said tubular member into abutting relationship against the flange on said nipple.

2,270,927
ROTARY SEAL
Lindsay H. Browne, Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company, a corporation of Delaware
Application January 18, 1940, Serial No. 314,485
5 Claims. (Cl. 285—96.3)



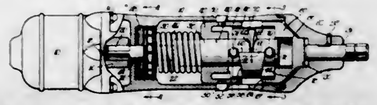
1. In a rotary shaft seal for a shaft having a longitudinal passage therein and a radial passage communicating therewith, the combination with a rotor comprised of a central member having identical right and left annular rings carrying inwardly disposed sealing surfaces, means securing said central member and said ring members together spanning said radial passage and in sealed relation to said shaft, a stator bearing on said rotor and including an annular body having associated therewith identical annular members having sealing faces engaging and effecting a running seal with the sealing surfaces of said rotor, an annular web carried by said annular body and lying between said annular members, means engaging said annular web and said annular members to prevent circumferential movement of said members, spring means embracing said last means for forcing said annular members into engagement with said annular rings, means for lubricating the bearing surfaces and said sealing faces, means forming other passages through said seal, and means for securing a fitting to said stator in communication with said last mentioned passages for supplying a fluid medium under pressure to said first mentioned passages.

2,270,928
SHAFT SEAL
Lindsay H. Browne, Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company, a corporation of Delaware
Application January 18, 1940, Serial No. 314,486
4 Claims. (Cl. 285—97.3)



1. In a rotary shaft seal for a shaft having a longitudinal passage therein, the combination with a hub member adapted to be secured in fluid tight relation to the end of said shaft, a tubular shank portion formed integral therewith, a longitudinal passage extending through said hub and shank, said hub member and said shank portion forming a rotor, an anti-friction bearing having an inner race mounted on said shank portion, a stator having a cup-shaped portion embracing an outer race of said bearing and a hub portion adapted to be connected to a source of fluid medium under pressure, a longitudinal passage formed in said stator for leading said fluid medium to said other passages, a tubular member having an external groove formed therein one edge of which is conical in form, said tubular member being positioned in the passage in said stator and abutting the end of said tubular shank in sealed relation, and an annular sealing ring positioned in said groove and adapted to be wedged between said conical surface and the interior of said last-mentioned passage under the urge of the pressure of said fluid medium.

2,270,929
TOOL
Kenly C. Bugg, Fort Wayne, Ind.
Application November 18, 1939, Serial No. 305,205
18 Claims. (Cl. 125—33)



1. In a device of the character described, the combination of a casing, a tool axially mounted for limited reciprocation at one end of said casing, a motor mounted at the opposite end of said casing, an axial shaft disposed in said casing and adapted to be rotated by said motor, an anvil abutting said tool and having a journal for said shaft, a reciprocating hammer for imparting a blow to said anvil, guiding means between said hammer and casing for preventing rotation of said hammer, a pair of oppositely disposed substantially spiral tracks disposed on said shaft to move therewith, said tracks terminating in aligned, axially disposed track portions returning to the lowest starting surfaces of the respective tracks, a pair of balls, one of said balls being disposed to engage one of said tracks and the other ball being disposed to engage the other of said tracks, a cage for said balls adapted to engage said anvil, said cage being provided with an aperture for receiving one of said balls to prevent movement thereof axially of said device, said cage being provided with a slot for the other of said balls for permitting said axial movement of said other ball to thereby move said hammer

away from said anvil until said balls reach said axial portions and return to the starting surfaces, a spring seat disposed in said casing, and a spring disposed between said spring seat and said hammer adapted to be compressed by movement of said balls from said starting surfaces and to move said hammer to strike said anvil when said balls return to said starting surfaces, the striking surfaces of said anvil and hammer being disposed so that said balls are not subjected to any blow.

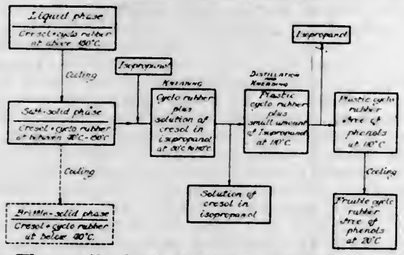
2,270,930

PRODUCTION OF PURIFIED CYCLORUBBER DERIVATIVES

Hugh J. Cameron, Gary, Ind., assignor to Marbon Corporation, Gary, Ind., a corporation of Delaware

Application February 20, 1939, Serial No. 257,406

2 Claims. (Cl. 260—768)



1. The method of obtaining a highly purified cyclorubber which comprises subjecting rubber to heat in a bath of a phenol in the presence of a cyclizing agent for a time and temperature such that a composition is obtained comprising phenol and a cyclorubber, admixing said composition of cyclorubber and phenol with a solvent for the phenol which is substantially a non-solvent for the cyclorubber, kneading the mixture so obtained at a temperature such that said cyclorubber is a plastic coherent mass whereby entrapped phenol is released and dissolves in the solvent, and removing the phenol-containing solvent from the mixture.

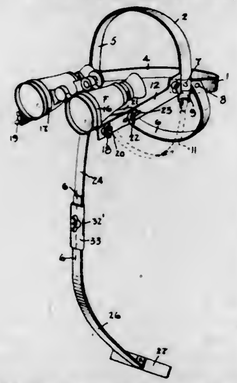
2,270,931

FIELD GLASS HOLDER

Leonard C. Corcoran, University Heights, Ohio

Application August 18, 1941, Serial No. 407,373

6 Claims. (Cl. 88—36)



1. A device for supporting relatively heavy optical instruments such as field glasses and the like in operative position before the eyes, comprising a head gear, a field glass supporting platform pivotally attached to the forward end of said head gear, said platform comprising a pair of parallel bars pivotally attached to said head gear, annular clamping members adapted to surround the forward end of the field glasses, said clamping members being mounted upon each of said parallel bars in positions of longitudinal adjustment, and a cross bar extending between said parallel bars at the medial portions of the latter, and a substantially vertically disposed reinforcing support member attached at its upper end to said cross bar and adapted to contact the torso at its lower end.

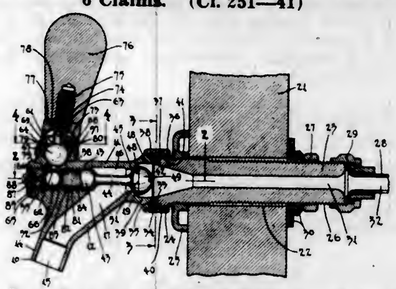
2,270,932

FAUCET

Richard T. Cornelius, Minneapolis, Minn.

Application April 20, 1940, Serial No. 330,748

6 Claims. (Cl. 251—41)



1. In a faucet, a body, a valve member within said body, a socket formed in said body a lever having an arm for operating said valve member, a ball formed on said lever and seated in said socket, a threaded neck encircling said socket and projecting outwardly from said body, a cap screwed on said neck for holding said ball within said socket, said cap being constructed with a spheroidal exterior surface and having an opening therethrough, said lever having a threaded shank extending through said opening, a collar formed with a conical depression mounted on said shank and overlying the opening in said cap, said collar following along the spheroidal surface of said cap to maintain said opening closed at all positions of said shank and a handle secured to said shank in proximity to said collar.

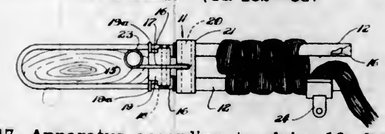
2,270,933

METHOD AND APPARATUS FOR WAVING HAIR

Bianca F. Davis, Teaneck, N. J.

Application September 11, 1941, Serial No. 410,387

17 Claims. (Cl. 132—33)



17. Apparatus according to claim 16, further characterized in that portions of said cradle members, when the latter are in tensioned positions, combine to form a third pair of notches, the said combination, further, comprising a curling rod adapted to have the end of a strand of hair wound thereon, said third pair of notches being adapted to receive the said curling rod therewithin.

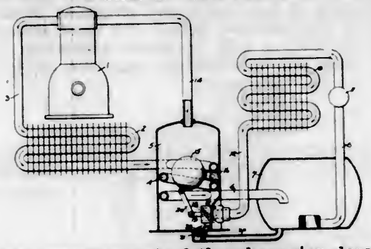
2,270,934

CONTROL FOR REFRIGERATING DEVICES

Edward F. Dickieson, Jr., Detroit, Mich.

Application October 13, 1939, Serial No. 299,250

4 Claims. (Cl. 62—8)



1. An arrangement of the character described comprising a receiver adapted to contain a refrigerant, an evaporating coil connected thereto, valve means interposed between said receiver and said coil adapted to maintain the refrigerant in the coil at constant pressure, a trap, means connecting the evaporating coil with the trap, automatic means including a float for checking the flow of the refrigerant in the trap as the liquid refrigerant approaches a predetermined height therein, a connection from the receiver to the trap, a valve therein, means normally holding said valve closed, and means coacting with the float adapted to open the valve and admit the refrigerant from the receiver into the trap when the float is lowered.

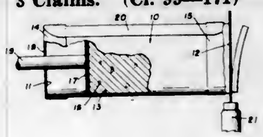
2,270,935

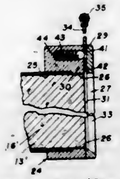
FOOD PACKAGE

Charles Doering, Chicago, Ill.

Application December 23, 1938, Serial No. 247,434

3 Claims. (Cl. 99—171)





1. In a food package, the combination with a tubular thick paper body member open at one end, of a thin liner in said body member, an edible mass filling the lined interior of said body member, a content ejecting member wholly within said body member adjacent a closed end thereof for displacement therein, and a slicing attachment detachably engaging the open end of said body member to sever slices from the contents displaced in the path thereof by said ejecting member.

2,270,936

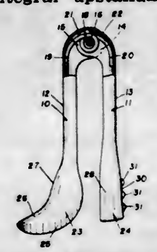
SHOE FORM AND HOLDER

Charles Doering and Bert J. Skoglund, Chicago, Ill.; said Skoglund assignor to said Doering

Application December 26, 1939, Serial No. 310,930

1 Claim. (Cl. 12—128.1)

A shoe form comprising a pair of separable toe and counter conforming members shaped to generally conform with the interior of a shoe, said toe and counter conforming members being of tubular formation, spring means confined by said tubular toe and counter conforming members for imparting a longitudinal spreading urge between said members, each of said members having an integral upstanding tubular shank



projecting substantially above the upper edge of shoes telescoped thereon to afford the manual grasp thereof for effective shoe holding and shaping purposes, and a pintle within the tubular interior of said confronting shanks for connecting said shanks at their upward free extremities to permit their full separation without offering any limit of obstruction to each other.

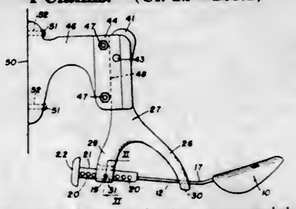
2,270,937

SHOE FORM AND ATTACHMENT

Charles Doering and Bert J. Skoglund, Chicago, Ill.; said Skoglund assignor to said Doering

Application December 26, 1939, Serial No. 310,931

4 Claims. (Cl. 12—128.1)



1. An article of manufacture comprising a shoe form having toe and counter conforming members, yieldable connectors interposed between said toe and counter conforming members, and an integral upstanding manual grasping member having spaced arms detachably associated at spaced positions with said shoe form and said yieldable connectors for effective shoe holding and shaping purposes.

2,270,938

FILTER

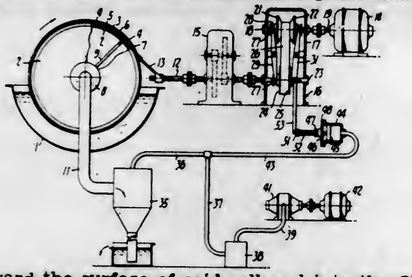
Joe E. Doescher, Attleboro, Mass., assignor to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada

Application August 29, 1938, Serial No. 227,268

4 Claims. (Cl. 210—201)

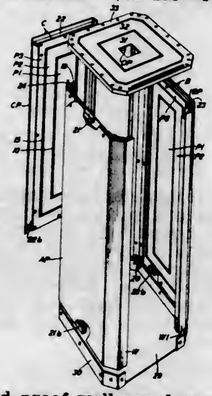
1. A filter comprising a receptacle for solids bearing liquid to be filtered; a porous filter cell adapted to support a layer of comminuted filtering material on its outer surface; means for creating a differential filtering pressure between the exterior and the interior of said cell to cause the liquid to pass through the surface of the filter and the solids to deposit on the outer surface of the filtering material as a filter cake; means for mounting said cell in position to be at least partially submerged in the solids bearing liquid;

a knife adapted to remove a portion of the filtering material and the filter cake from the surface of said cell; means for mounting said knife for movement toward and away from said cell in a direction substantially perpendicular to the outer surface of said cell and into the filtering material thereon; means for moving said knife



toward the surface of said cell and into the filtering material thereon; means for moving said filter cell and knife, one with respect to the other in a direction substantially parallel to the outer surface of said cell and means responsive to variations in said differential filtering pressure to control the said means for moving the knife toward the surface of the cell.

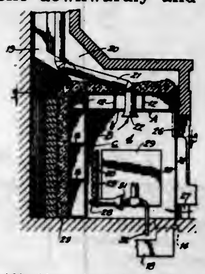
2,270,939
SOUNDPROOF WALL
Helmuth Eckardt, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1940, Serial No. 317,642
4 Claims. (Cl. 189—34)



1. A sound-proof wall panel comprising a plurality of independent concentrically disposed sections having different natural periods of vibration interconnected to each other by joints of soft material, a supporting plate, and means for securing the outer disposed of said concentric sections in parallel spaced relation to said plate.

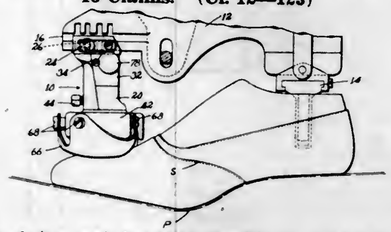
2,270,940
HEATER
Elbert E. Elmore, Tinley Park, Ill., assignor, by mesne assignments, of one-half to Grover C. Elmore, Chicago, Ill., and one-half to Margaret Elmore, Tinley Park, Ill.
Application July 13, 1939, Serial No. 284,292
4 Claims. (Cl. 126—121)

1. For use with an open fireplace from which leads a flue, a heating drum comprising a pair of units adapted to be fitted within the fireplace and each comprising a pair of spaced parallel walls adapted to extend in parallelism with two walls of the fireplace with the combined walls of the two drums extended along all walls of the fireplace except the floor and open front thereof, a pair of necks extending from each unit, one downwardly and the other up-



wardly, constituting inlet and outlet openings, respectively, there being a pair of openings in the fireplace floor communicating with an air supply source and each opening being adapted to receive one inlet neck whereby to maintain the two units in fixed position relative to each other and to the fireplace, and ducts in connection with the outlet openings leading from the units through the flue to remote points of discharge.

2,270,941
TOE REST FOR SHOE MACHINES
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 19, 1940, Serial No. 366,263
13 Claims. (Cl. 12—123)

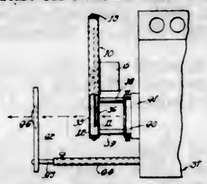


1. A toe rest for shoe machines comprising a body, a pad for conformably engaging the forepart of a lasted shoe to hold the shoe during the application of pressure to its bottom, and means for supporting the pad on the body, said means including a member constructed and arranged for movement relatively to the body and independently of the pad to locate the effective center of support of the toe rest to one side of the longitudinal center line of the shoe bottom.

2,270,942
STEREOPTICON SLIDE
Philip Fischer, Chicago, Ill.
Application April 14, 1941, Serial No. 388,365
3 Claims. (Cl. 88—27)

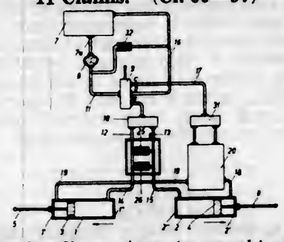
1. A unit for detachably securing to the housing of a projector, comprising a casing open at the front and provided with a central opening at the rear, a cover closing said casing, said cover and said casing having aligned openings for the passage of light, a box secured to said casing to form a housing around the central opening,

a motor in said casing extending with its rotor shaft into said casing, and a transparent disk in said casing fast on said rotor shaft and adapt-



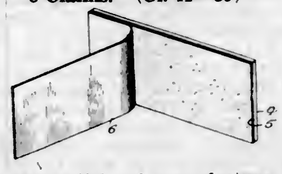
ed to present a circular row of markings or symbols successively to said aligned light passing openings.

2,270,943
HYDRAULIC SYSTEM
Fritz Freundel and Heinrich Rosenthal, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application June 27, 1940, Serial No. 342,612
In Germany March 7, 1939
11 Claims. (Cl. 60—97)



1. A hydraulic system in combination with moving aircraft parts comprising a pumping unit, a plurality of cylinders having pistons therein, a volume distributor connected to the discharge side of the pumping unit, a plurality of feed lines extending in parallel from the distributor to the cylinders for the pressure flow passing therethrough to actuate the pistons therein, and pressure releasing means connected to the feed lines whereby a parallel flow is continued through all the latter after the piston in one cylinder has reached its limit of travel.

2,270,944
STENCIL
Carl E. Frick, Chicago, Ill., assignor to Van Cleef Bros., a partnership consisting of Noah Van Cleef, Felix Van Cleef, and Paul Van Cleef, Chicago, Ill.
Application May 1, 1939, Serial No. 271,104
8 Claims. (Cl. 41—39)



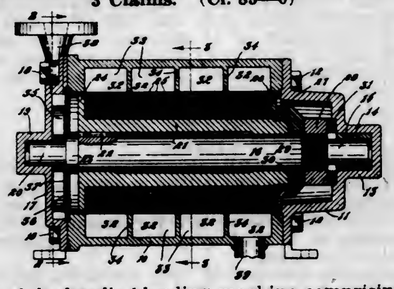
1. As a new article of manufacture, a stencil designed for use in cutting letters, symbols or designs on a surface by way of an abrasive blast, and comprising an abrasive resistant sheet adapted to be placed against the surface and upon proper shaping thereof to control the blast so that it forms or cuts the desired letters, symbols or designs on said surface and including tough vulcanized rubber and an admixture of shellac in the proportion of between 40 to 60 parts by weight of rubber and 60 to 40 parts by weight of shellac, and an adhesive coating on the back face of the sheet for holding the sheet in adhesively connected relation with said surface.

2,270,945
SANDBLASTING STENCIL AND METHOD OF MAKING SAME
Carl E. Frick, Chicago, Ill., assignor to Van Cleef Bros., a partnership consisting of Noah Van Cleef, Felix Van Cleef, and Paul Van Cleef, Chicago, Ill.
Application May 8, 1939, Serial No. 272,328
11 Claims. (Cl. 41—39)



7. As a new article of manufacture, a stencil designed for use in cutting letters, symbols or designs on a surface by way of an abrasive blast, and comprising a composite sheet adapted to be placed against the surface and upon proper shaping thereof to control the blast so that it forms or cuts the desired letters, symbols or designs on said surface and consisting of an abrasive resistant outer layer including a substantial amount of vulcanized rubber and an admixture of a toughening agent selected from the group composed of glue and shellac and an inner layer including a substantial amount of unvulcanized rubber and an admixture of a toughening agent selected from the aforementioned group, and an adhesive coating on the exposed face of the inner layer for holding the sheet in adhesively connected relation with said surface.

2,270,946
HYDRAULIC BLENDING MACHINE
Robert C. Hopkins, Alliance, Ohio
Application February 9, 1940, Serial No. 318,085
3 Claims. (Cl. 83—6)



1. A hydraulic blending machine comprising a horizontally disposed, substantially cylindric housing, a cap entirely enclosing one end of the housing and shaped to form a turbine chamber, a partition wall between the turbine chamber and the adjacent end of the housing, a cap entirely enclosing the other end of the housing, a concentric bearing socket in each cap, said sockets being open only to the interior of the housing, a shaft located longitudinally through the housing and journalled at its ends in said bearing sockets, a plurality of disc saws fixed upon the shaft in the main portion of the housing, a turbine wheel fixed upon the shaft within the turbine chamber and comprising a plurality of radial vanes having their outer ends curved in the direction of rotation of the turbine wheel, a single, tangential liquid inlet communicating

with the turbine chamber, there being a central opening in the partition wall of greater diameter than the shaft forming the only communication between the turbine chamber and the interior of the main portion of the housing, and a liquid outlet at the other end of the housing.

2,270,947
CORE OIL
William J. Hough, Chicago, Ill.
No Drawing. Application April 12, 1940, Serial No. 329,301
9 Claims. (Cl. 22—188)

1. A core oil comprising a polyhydric alcohol ester of an organic acid mixture derived from the liquor from the sulfate process treatment of pine wood comprising a major proportion of unsaturated fatty acids, a minor proportion of rosin acids and a small proportion of sterols.

2,270,948
MAP HOLDER
George Howe, Greenwich, Conn.
Application March 5, 1940, Serial No. 322,318
2 Claims. (Cl. 311—21)



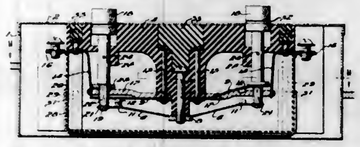
2. In a device of the character described, a table, a swingable arm, a nut and bolt on the front end of said arm to provide a pivotal connection, attaching means for the device connected with said bolt, a second nut and bolt engaged with the rear end of said arm to provide a second pivotal connection, an angular member on which said second bolt is fixed, and means pivotally connecting said angular member with the front side of said table, the provision and arrangement being such that said table may be held horizontally or in different angular positions and/or rearwardly angular positions, and also that said table may be swung to an out-of-the-way position.

2,270,949
CONDUCTOR ARRANGEMENT FOR USE WITH RADIO FREQUENCY APPARATUS
Friedrich Hülster, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 28, 1941, Serial No. 381,052
In Germany August 7, 1939
7 Claims. (Cl. 178—44)



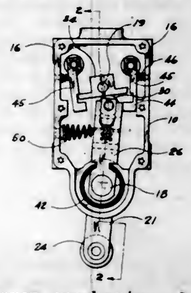
1. Supply or feed lead for radio frequency arrangements in the form of a concentric line, with the characteristic feature that upon the inner conductor in contact therewith, at a particular point, is shiftably arranged a cylindrical body with an outer coat of material of high resistance, said cylindrical body being insulatingly spaced from the adjacent portion of the outer conductor of said line.

2,270,950
CIRCUIT BREAKER
John G. Jackson, Detroit, and Wallace T. Allen, Royal Oak, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application September 3, 1935, Serial No. 38,908
Renewed February 17, 1938
32 Claims. (Cl. 200—116)



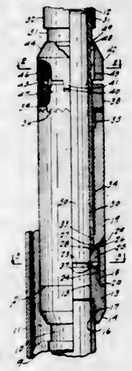
2. In an electric circuit breaker, separable contacts, means biasing said contacts in the same direction, one contact having a released position beyond the released position of the cooperating contact, a current responsive latch for said one contact holding it in a position to be engaged by the cooperating contact, a manually operable plunger having abutments for moving both contacts, said abutments being spaced apart so as to maintain said contacts separated while they are being moved against their bias to latch said one contact, release of said plunger permitting said cooperating contact to move to engage said one contact, and a surface on said plunger adapted to release said latch upon manual rotation of said plunger to provide for manual trip.

2,270,951
SWITCH
Max L. Jeffrey, Shaker Heights, Ohio
Application April 25, 1941, Serial No. 390,311
8 Claims. (Cl. 74—97)



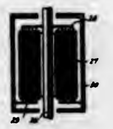
1. In a lever mechanism for transmitting movement between separate machine elements, a shaft, means for rotating or oscillating said shaft, a lever carried by said shaft and movable therewith and having a pair of oppositely disposed, transverse notches extending parallel to the axis of the shaft, a second lever having a bifurcated end rotatively journaled on said shaft with said first named lever disposed within said bifurcation and movable within the bifurcated end, the bifurcated end of said lever having a pair of oppositely disposed, transverse notches extending parallel to the axis of the shaft, a spring comprising a C-shaped member having the ends positioned in the oppositely disposed notches of said levers, said first lever adapted to transmit movement through said spring to said second lever, said spring adapted to open up to allow independent movement of said levers when one lever meets with sufficient resistance to overcome the inherent rigidity of said springs.

2,270,952
TUBING BLEEDER FOR OIL WELL PUMPS
Hartley Burton Lee, Berkeley, Calif.
Application November 2, 1940, Serial No. 364,046
11 Claims. (Cl. 137—34)



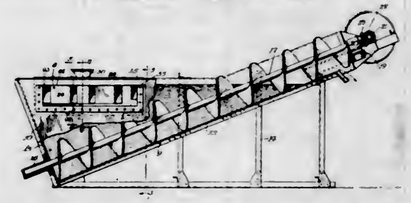
1. A tube bleeder for a string of tubing comprising; a device coupled in the string intermediate its length and forming a coupling and consisting of an internal member terminating at its lower end in a valve, and an external member rotatable on said internal member and having a valve seat formed therein, said members being rotatably mounted one within the other and coupled together and respectively connected to the upper and lower portions of the string and including, ports formed through said valve and said seat controlled thereby and draining to the exterior of the device when the ports are opened by said valve, said ports being adjusted to open and closed positions through rotation of one portion of the string relative to the other while maintaining the valve constantly seating on the seat, said valve functioning as the sole support for the external member and the lower portion of the string of tubing, through cooperation with said seat.

2,270,953
ELECTRICAL CONDENSER
Walter Manz, Josef Schniedermann, Oskar Schneider, Michael Wellhöfer, Ludwig Linder, Heinz Besser, and Willy Voigt, Berlin, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application March 30, 1939, Serial No. 264,916
In Germany November 24, 1937
5 Claims. (Cl. 250—16)



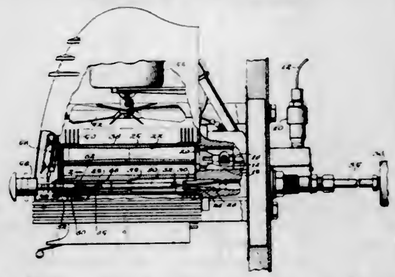
1. A high frequency electric condenser comprising a metallic casing having an aperture centrally located at each end thereof, a separate conductor passing through each one of said apertures, a tubular metallic portion located intermediate each of the ends of said separate conductors and electrically connected thereto, a condenser unit surrounding said tubular portion, one electrode of said condenser unit connected to said tubular portion, the other electrode of the condenser unit connected to said casing.

2,270,954
APPARATUS FOR CLASSIFYING SAND OR LIKE GRANULAR MATERIAL
Joseph E. McCloud, Maywood, Ill., and Albert Williams, Cleveland, Ohio, assignors to Webster Manufacturing, Inc., Tiffin, Ohio, a corporation of Ohio
Application December 26, 1939, Serial No. 310,862
8 Claims. (Cl. 209—18)



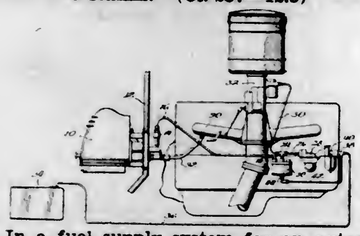
1. A classifying apparatus comprising an open bottom receptacle adapted to have liquid with granular material therein introduced into it and then circulated substantially horizontally in it, a series of elongated side by side flexible laterally inclined strips across the bottom of the receptacle, arranged to form V-shaped troughs between them for accumulation of the coarse grains of the material and having the upper portions thereof fixed and their lower portions free and adapted to flex downwards away from one another and permit such grains to pass from the apex portions of the troughs through the bottom of the receptacle, and a flume associated with the receptacle and arranged to receive the liquid and the fine grains after circulation thereof in the receptacle and then discharge them from the receptacle.

2,270,955
AUTOMOBILE HEATER
Henry J. De N. McCollum, Chicago, Ill.
Application June 24, 1939, Serial No. 281,011
18 Claims. (Cl. 126—91)



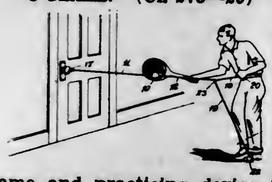
1. In an internal combustion heater for automobiles and the like, in combination, a fuel supply line, a combustion chamber; heat exchange means receiving the products of combustion from said combustion chamber; a vacuum producing device for removing the products of combustion and causing said fuel supply line to be under less than atmospheric pressure; an outlet connecting said heat exchange means with said vacuum producing device; a valve in said outlet; manually controlled means for controlling said valve to start and stop the operation of said heater; and temperature responsive means for closing said valve independently of said manually controlled means when the temperature of said heater becomes dangerously high, thereby preventing said heater from operating.

2,270,956
AUTOMOBILE HEATER
Henry J. De N. McCollum and Thomas F. Spackman, Chicago, Ill.; said Spackman assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 2, 1940, Serial No. 312,064
6 Claims. (Cl. 237—12.3)



1. In a fuel supply system for an automobile heater of the internal combustion type which is mounted upon an automobile having an internal combustion engine, a carburetor, a fuel pump, and a conduit connecting said fuel pump with said carburetor; the combination of an auxiliary reservoir having an inlet port and an outlet port, means for withdrawing fuel from said reservoir to supply said heater, means connecting the inlet port of said reservoir to said conduit, a conduit connecting said outlet port of said reservoir with the inlet side of said fuel pump, a float in said reservoir, a valve in said inlet port and a valve in said outlet port, said valves being operated by said float in a manner to open the inlet port and close the outlet port when the fuel in said reservoir drops below a predetermined level and to close said inlet port and open said outlet port when the fuel in said reservoir rises above a predetermined level.

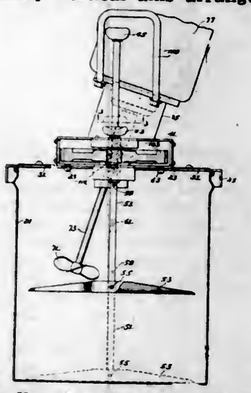
2,270,957
GAME AND PRACTICING DEVICE
Stowell W. Mears, New York, N. Y.
Application August 3, 1940, Serial No. 350,815
3 Claims. (Cl. 273—29)



1. A game and practicing device for use in practicing tennis strokes comprising a ball, and a pair of resilient flexible cords connected to and extending from opposite sides of the ball, one of said cords being adapted to be connected to a fixed support and the other of said cords being formed at its end with a pair of diverging flexible resilient cords one of said last-mentioned cords being adapted to be grasped in the hand of the player and the other of said last-mentioned cords being adapted to be attached to a foot of the player whereby the ball is resiliently suspended in the air adjacent the player.

2,270,958
MIXING APPARATUS
Frank D. Miller, Rochester, N. Y., assignor to Mixing Equipment Co., Inc., Rochester, N. Y., a corporation of New York
Application March 2, 1940, Serial No. 321,881
4 Claims. (Cl. 259—103)

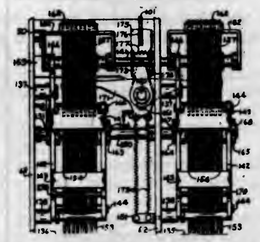
1. A portable self-contained motor-driven paint mixer including a cover member to be placed across and supported by the top edge of an open paint can to serve as a cover for said can to prevent splashing of the paint out of the can during mixing, an electric motor mounted on and supported by said cover with the axis of said motor laterally offset from the center of said cover and inclined at an acute angle to a vertical line, a propeller shaft arranged substantially in alinement with said motor axis and driven thereby, a propeller agitator mounted adjacent the lower end of said shaft to be revolved thereby in a position substantially above the bottom of the paint can to which said mixer is applied, a gear on said propeller shaft approximately at the elevation of said cover, a second gear mounted on said cover for rotation about a substantially vertical axis arranged substantially centrally of said cover, said second gear being in meshing relation to and being driven by said first mentioned gear at a speed of rotation substantially slower than that of said first mentioned gear, a stirring shaft arranged substantially vertically and passing centrally through said second gear in non-rotatable and axially movable relation thereto, a stirring blade mounted on said stirring shaft substantially at the lower end thereof, for contact with sediment in the paint can to break up said sediment by rotation of the blade, and stop means limiting movement of said stirring shaft in an upward direction to a position in which said blade is below the level of said propeller agitator, so that when said stirring shaft is in its uppermost position, said blade will be at an elevation below said propeller agitator and can rotate freely without striking said propeller agitator.



2,270,959
STABILIZATION OF SYNTHETIC RUBBER-LIKE MATERIALS
Hans Murke, Leverkusen-Schlebusch, and Wilhelm Becker, Cologne, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application September 27, 1939, Serial No. 296,810. In Germany October 14, 1938
3 Claims. (Cl. 260—42)

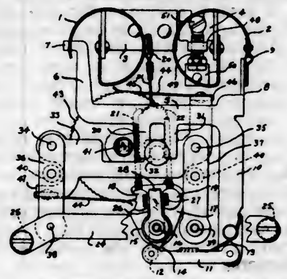
1. The process of stabilizing synthetic rubber-like materials which comprises incorporating within a latex of a synthetic rubber-like material, this latex having been obtained by the emulsion polymerization of unsaturated compounds selected from the group consisting of butadienes-1.3 and mixtures of butadienes-1.3 with other polymerizable compounds capable of forming copolymerizates with butadienes 1.3, a small amount of product of the condensation of a hydroxy compound selected from the group consisting of phenols and naphthols with an organic carbonyl compound selected from the group consisting of aldehydes and ketones, these condensation products being soluble in organic solvents, and effecting precipitation of the said latex.

2,270,960
ACCOUNTING MACHINE
Gunnar Nelson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 21, 1938, Serial No. 186,107
27 Claims. (Cl. 235—2)



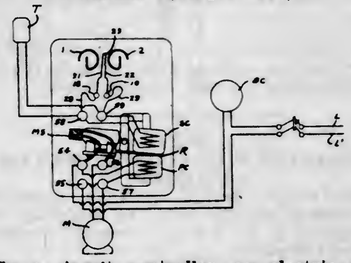
1. In a machine of the class described, in combination, a beam adapted to be moved from rest position by an unbalanced force applied at either of its ends; a plate at either end of the beam adapted to apply force to the beam and to sense perforations in record material said plates having a rest position and a position to which they are moved when no perforations are sensed; means for oscillating the plates first to sense perforations then to apply force to the beam so as to cause an unbalanced force to be applied to one end of the beam to move it when the data sensed by one plate is dissimilar to that sensed by the other plate; and means for determining the moved or unmoved condition of the beam.

2,270,961
ELECTRICALLY ACTUATED HEAT MOTOR
Ira E. McCabe, Chicago, Ill.
Application February 27, 1939, Serial No. 258,591
5 Claims. (Cl. 172—126)



1. An electro-thermal motor including two spaced apart coils of thermal metal each having one end thereof fixed and arranged with the free ends thereof on opposite sides of and in substantial alignment with the fixed ends, a movable electric heater arranged between the coils mounted to heat alternately the respective coils, a floating transmission link, means connecting the floating link to the free ends of the coils to cause the said ends to act in unison in reciprocating the link as one coil is heating and the other is cooling, means to reciprocate the electrical heater between the coils, and means carried by the floating link to actuate the heater reciprocating means at each reciprocation of the floating link.

2,270,962
TIMING MECHANISM
Ira E. McCabe, Chicago, Ill.
Original application February 27, 1939, Serial No. 258,591. Divided and this application May 25, 1940, Serial No. 337,154
2 Claims. (Cl. 175—375)

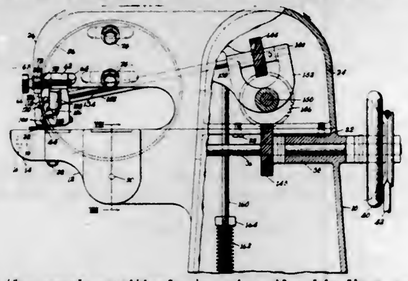


2. In a circuit controller, an electric switch in the circuit to be controlled, electrical means for operating said switch comprising a coil movable over a metal core, a circuit including said movable coil, a stationary coil mounted upon the core adapted to be connected in circuit to a source of electricity to induce a low voltage circuit in the movable coil and repel said coil when the circuit through the movable coil is closed, means operating the electric switch in response to the movement of the movable coil, a control device in the movable coil circuit in combination with means to mechanically actuate the movable coil, timing mechanism for periodically actuating the mechanical means, a thermal-electro heat motor for operating the timing mechanism including two spaced apart coils of thermal metal each having one end thereof fixed, a movable electrical resistance heating element arranged between the coils mounted to heat alternately the respective coils, an operating shaft connected to the timing mechanism, transmission means for transmitting the movement of the free ends of the thermal elements to the shaft and additional means actuated by said transmission means for moving the heating element, said element connected in the movable coil circuit in parallel to the control device to be energized when the control device is in open circuit position, said heating element limiting the current flow through the movable coil to prevent the electrical repulsion thereof, said heating element being shunted and rendered inoperative upon the closure of the control device circuit to cause the electrical repulsion of the movable coil.

2,270,963
FOLDING MACHINE
John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 16, 1940, Serial No. 356,968
22 Claims. (Cl. 12—55)

1. In a machine for folding edge bindings, folding means, means for feeding a piece of work to one side of which an edge binding has been secured past said folding means, said feeding means comprising a feed roll arranged to engage the side of the work to which the edge binding

has been secured, inwardly of said binding, and means acting on said binding during the feeding



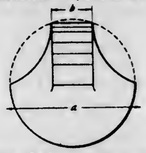
of the work positively to wipe the binding outwardly from its point of attachment to the work for presentation to said folding means.

2,270,964

INSULATOR FOR ANTENNA SPAN OR GUY ROPES

Wilhelm Peters, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 12, 1940, Serial No. 323,531
In Germany December 29, 1938
5 Claims. (Cl. 174—208)



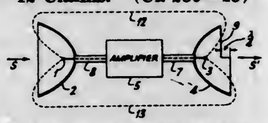
1. A cable insulator comprising a dielectric body the principal contour lines of which lie in a boundary of two semi-cylindrical members crossed at right angles to each other, the half circumference of one member ending at substantially the same plane where the half circumference of the other member begins.

2,270,965

ULTRA HIGH FREQUENCY RELAY SYSTEM

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1939, Serial No. 282,120
12 Claims. (Cl. 250—15)



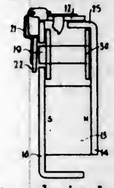
1. A high frequency relay station comprising a receiving antenna including wave energy directive structure, an amplifier having an input connected to said receiving antenna, a transmitting antenna connected to an output of said amplifier, said transmitting antenna including wave energy directive structure, said relay station being characterized by a small amount of undesirable feedback of energy from said transmitting antenna to said receiving antenna over a plurality of paths around the edges of said directive structures, said structures having their edges so constructed that the energy fed back over some of said paths neutralizes the energy fed back over the others of said paths.

2,270,966

ELECTROMAGNETIC RELAY

Thomas Robert Rayner, Wallasey, and Aafko Oltman Maring, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware

Application May 18, 1939, Serial No. 274,386
In Great Britain May 31, 1938
4 Claims. (Cl. 175—339)



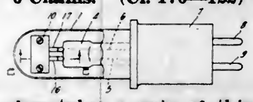
1. A two position polarized relay comprising a pair of parallel magnetic members, a permanent magnet in bridge of said members at one end thereof, an air gap between the other ends of said members, an electromagnet nearly in bridge of said members at a point between said air gap and said permanent magnet in parallel with the permanent magnet, an armature pivotally mounted on one of said members and bridging said air gap when in operated position, a second air gap between the core of said electromagnet and said one member, a second armature rigidly secured to said first armature and bridging said second air gap when in operated position, the flow of magnetic flux in one direction through the core of said magnet causing attraction of said first armature to close the first air gap, and the flow of flux through the core in another direction causing attraction of said second armature to thereby retract said first armature and close said second air gap.

2,270,967

GLOW TUBE

Arthur E. Reeves, Los Angeles, Calif.

Application February 3, 1940, Serial No. 317,159
6 Claims. (Cl. 176—122)



1. In a glow tube, a pair of thin electrodes having close opposing similar surfaces of substantial area, between which a glow may be produced, a sealed envelope for the electrodes, massive insulation blocks in heat receiving contact with the reverse sides of the electrodes, said blocks of insulation being so arranged as effectively to absorb and dissipate heat generated in the electrodes, the glow space between the electrodes extending from the front to the rear edges of the opposed areas, said rear edges being unobstructed to provide a clear space between and beyond the electrodes, and conductors respectively for the electrodes, extending in a common direction and attached to the reverse side of said electrodes, each of said insulation blocks being provided with grooves for the accommodation of said conductors.

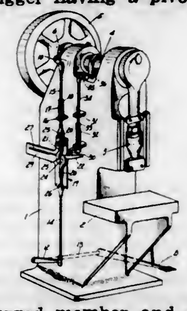
2,270,968

PRESS

Ernest Riemenschneider, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application July 20, 1939, Serial No. 285,542
10 Claims. (Cl. 192—82)

9. A nonrepeat device for presses and the like including a pair of relatively movable normally aligned members movable in one direction as a unit when aligned, spring means normally urging one of said members in the opposite direction, one of said members being pivotally mounted, and a movable trigger having a pivot connected to



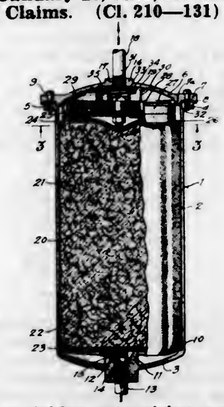
said spring urged member and a second pivot connected to the pivotally mounted member, said pivots when arranged in alignment with said members causing them to move as a unit, and when mis-aligned with the members releases the spring urged member to independent movement.

2,270,969

FILTER DEVICE

Thomas J. Robinson, Los Angeles, Calif.

Application January 16, 1939, Serial No. 251,157
5 Claims. (Cl. 210—131)



1. A filter cartridge comprising a fabric envelope, felted wool discs within said envelope, and fibrous cellulose interposed between said discs and within the envelope.

2,270,970

FUR CUTTING KNIFE

Abraham S. Schaftel, Worcester, Mass.

Application April 4, 1939, Serial No. 265,894
1 Claim. (Cl. 30—339)



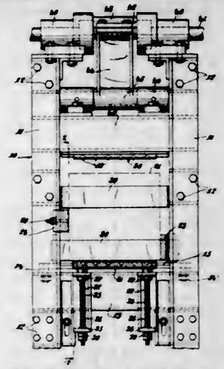
In a fur cutting knife, a blade having a relatively elongated cutting edge and a shorter apertured edge at an acute angle to said cutting edge, and a handle comprising matching members between which said blade is received and held, the overlap of said members with said blade being confined to a narrow strip or zone along said apertured blade edge, by handle member edges which make substantially the complement of said acute angle with the line of lengthwise direction of said knife, whereby to permit sharpening of said blade without removing it from said handle.

2,270,971

METHOD AND APPARATUS FOR CRIMPING BOX STRAPS

Charles Schmutzer, Irvington, and Kurt Manrodt, Newark, N. J., assignors to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey

Application June 9, 1939, Serial No. 278,314
11 Claims. (Cl. 140—93)



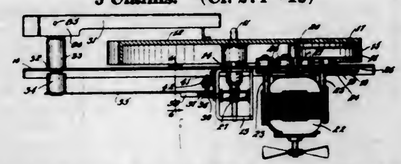
1. The method of treating in situ the binding strap previously secured by spaced fastening means to a wooden packing or shipping container, which comprises deforming the strap at at least one point between a pair of adjacent fastening means, simultaneously deforming the strap at at least one point between another pair of adjacent fastening means, said deformations of the strap being accompanied by simultaneous deformation of the wood beneath the corresponding strap deformations, whereby the strap is rendered longitudinally elastic in at least one direction.

2,270,972

RECORDING AND REPRODUCING PHONOGRAPH

Emmor V. Schneider, Alliance, Ohio, assignor to Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio

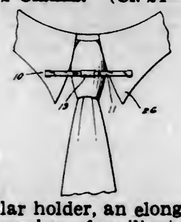
Application September 11, 1940, Serial No. 356,313
5 Claims. (Cl. 274—13)



1. A phonograph including a turntable, a pick up arm oscillatably mounted at its rear end on a vertical pivot for movement across the turntable, and feed mechanism located immediately beneath the turntable, said feed mechanism including a friction pulley, gearing connecting the

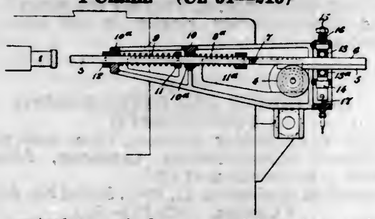
turntable and friction pulley for rotating the pulley, a segment extending rearwardly from and moved by said friction pulley, the rear end of said segment being rigidly connected to the vertical pivot of the arm for simultaneous horizontal movement with the arm, pressure means for bearing against one side of the segment and pressing the other side thereof into frictional contact with the friction pulley for moving the pick up arm at the proper speed to cut a sound track upon a record on the turntable, and means for releasing said pressure means so that the pick up arm may swing freely upon its vertical pivot.

2,270,973
COLLAR HOLDER
Rene M. Schupbach, Edgewood, R. I., assignor to Freeman Daughaday Company, Providence, R. I., a corporation of Massachusetts
Application April 10, 1940, Serial No. 328,863
2 Claims. (Cl. 24—81)



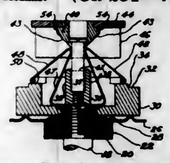
1. In a collar holder, an elongated front member, a rear member of resilient material secured thereto adjacent the center portion thereof, said rear member having a rectangular opening at each end, and a gripping jaw at each end having a flat elongated gripping surface adapted to extend towards the back of the front member and a rectangular bearing stud loosely seated in the contiguous rectangular opening, and held against removal therefrom solely by the resilient thrust of the rear member towards the front member.

2,270,974
CENTERLESS GRINDER
Arthur Scrivener, Birmingham, England
Application June 9, 1941, Serial No. 397,202
In Great Britain April 8, 1940
1 Claim. (Cl. 51—215)



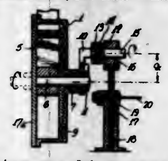
A centerless grinder comprising, in combination, a hammer unit for ejecting the workpiece, biased toward its inoperative position, a friction surface on a portion of the hammer unit, a constantly rotating friction member normally spaced from said friction surface, said portion of the hammer unit and said rotating friction member being movable relative to one another to bring said friction member and said friction surface into contact, and the direction of rotation of said friction member being such that upon establishment of such contact an ejecting movement is imparted to the hammer unit, and actuating means for bringing said rotating friction member and said friction surface into contact.

2,270,975
CHART HOLDING DEVICE
Norman J. Smith, Medfield, Mass., assignor to Crosby Steam Gage & Valve Company, Boston, Mass., a corporation of Massachusetts
Application March 25, 1939, Serial No. 264,173
1 Claim. (Cl. 234—75)



A holder for recorder charts, comprising a chart ring provided with a chart-seating surface and a centrally disposed chart-positioning shoulder, a generally U-shaped spring member carried by the chart ring and having spring arms extending outwardly from the upper portions thereof, the spring arms being normally contained within the area of the positioning shoulder, and an axially slidable camming device having wedge surfaces adapted, upon axial movement of the device, to engage and spread the upper portions of the spring member, thereby to cause the spring arms to move outwardly beyond the central positioning shoulder into chart-clamping position, said wedge surfaces terminating in surfaces shaped to cooperate with the upper portions of the spring member to retain the device with the spring arms in chart clamping position.

2,270,976
ROTARY PISTON MACHINE
Paul Sobek, Vienna, Germany, assignor to Eric Benjamin, New York, N. Y.
Application July 6, 1938, Serial No. 217,832
In Austria July 13, 1937
3 Claims. (Cl. 103—129)

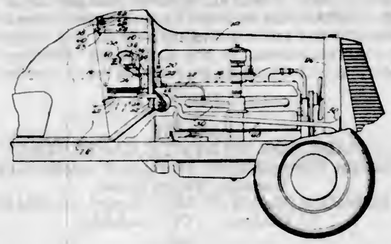


1. A rotary piston machine comprising a working chamber having an inlet and an outlet, a pair of rotary pistons coaxial with said chamber and operable therein, a pair of arms outside of said chamber and connected to said pistons, a rotary cross-head outside of said chamber and engaging said arms, a bearing for said cross-head outside of said chamber, the axis of said bearing being eccentric in respect to the axis of said pistons, whereby upon rotating said cross-head differential movement is imparted to said pistons, and means for adjusting the position of said bearing radially with respect to the axis of said pistons to vary the extent of differential movement between said pistons.

2,270,977
MOTOR VEHICLE HEATER
Thomas F. Spackman, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 22, 1938, Serial No. 231,230
1 Claim. (Cl. 98—2)

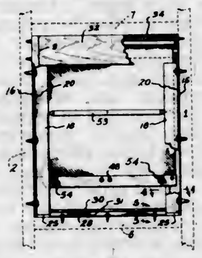
In a heating system for the riding compartment of a motor vehicle or the like, the combination of a heat exchange unit mounted in said

compartment, means for circulating air inside of the compartment over said heat exchange unit and returning said circulated air along a predetermined path, an air injector for supplying air to said compartment from outside the said compartment, means propelling all said outside air



supplied to said compartment into the path of air circulated by the circulating means immediately adjacent the outlet thereof, and temperature responsive means proximate the intake of said air circulating means for measuring the temperature of said compartment and controlling said supply of fresh air to said compartment.

2,270,978
LIGHT-TIGHT SHADE CONSTRUCTION
Frank W. Swormstedt, Fort Thomas, Ky., assignor to Higgin Products, Inc., Newport, Ky., a corporation of Delaware
Application April 5, 1939, Serial No. 266,156
8 Claims. (Cl. 156—10)

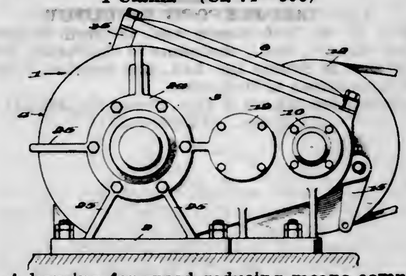


1. In a device of the character described side guides for attachment to a window frame at the sides thereof, bracket means for attaching to said window frame at the top thereof and a roller housing demountably attachable to and supportable by safe brackets, and when in position therein forming a substantially light-tight engagement with said side guides, which engagement can be released by the removal of said housing from said brackets.

2,270,979
STEEL ALLOY
James H. Taylor, Detroit, Mich., assignor to Gorham Tool Company, a corporation of Michigan
No Drawing. Application January 24, 1935, Serial No. 3,268
4 Claims. (Cl. 75—126)

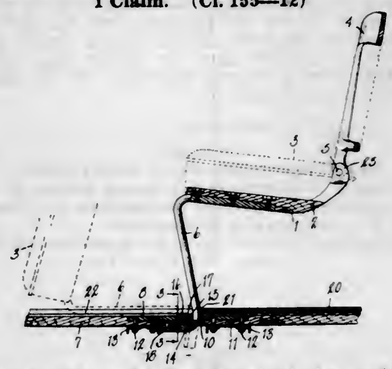
1. An alloy steel comprising the following essential elements: carbon about .5% to .85%, molybdenum about 8.5%, chromium about 4% and boron about .3% to .5%; said steel having high speed properties and being characterized by stability against the formation of soft skin at forging and heat treating temperatures in ordinary atmospheres.

2,270,980
SPEED REDUCER CASING
John A. Tidball, Tulsa, Okla., assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application October 23, 1939, Serial No. 300,891
1 Claim. (Cl. 74—606)



A housing for speed-reducing means comprising a casing having integral bottom, side and end walls and an open top, registering hub means provided on said side walls and extending laterally therefrom, said hubs being formed with openings for the reception of shaft bearings, the upper portion of one of the end walls extending upwardly and inwardly to the open top of the casing and terminating substantially in vertical registration with the longitudinal axis of certain of said hub means and there provided with projecting reenforcing means, reenforcing ribs integrally joining the side walls and hub means of said casing, and cover means cooperating with said reenforcing means for closing the open top of said casing.

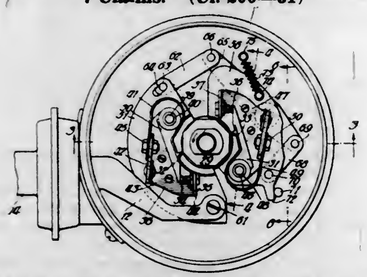
2,270,981
FOLDING SEAT
John H. Tuttle, Kalamazoo, Mich., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich.
Application January 27, 1940, Serial No. 315,875
1 Claim. (Cl. 155—12)



In a chair of the class described, the combination of a pair of apertured plates adapted to be disposed at apertures of relatively limited front to rear length in the floor of a vehicle each with its aperture in register with one of said apertures in said floor, a pair of front legs each having its lower end extending through the aperture in one of said plates and bent forwardly at substantially a right angle to engage the bottom of said plate when the chair is in raised position, said legs being hinged at the froward portion of the bend thereof to the front edge of the aperture

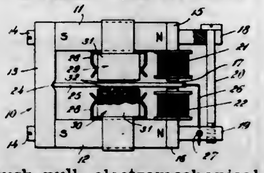
of said plate, the portion of said legs above the bend therein being disposed over the floor forwardly of the aperture therein and adapted to rest thereon in lowered position of the chair.

2,270,982
VARIABLE POINT DISTRIBUTOR
Albert G. H. Vanderpoel and William Ostling, Los Angeles, Calif., assignors to California Machinery & Supply Co., Ltd., Los Angeles, Calif., a corporation of Delaware
Application March 5, 1940, Serial No. 322,314
7 Claims. (Cl. 200—31)



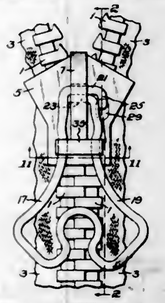
1. A timing apparatus for internal combustion engines having means for adjusting the timing apparatus for differential operation as the movement of the air and fuel mixture through the air intake varies, the combination of a cam, two breaker arms movably mounted adjacent to said cam so as to be operable thereby, separate supporting members for said breaker arms respectively adapted to have rotary movement about the cam independently of each other, contact members adjacent to said cam, other contact members mounted on said breaker arms respectively so as to be movable into and out of engagement with said first-named contact members for producing sparks in timed relation as said breaker arms are actuated by said cam, actuating means for giving one of said breaker arms a movement about said cam so as to vary the effect of the cam thereon, and lost motion connections between said actuating means and the other breaker arm for giving said other breaker arm a delayed movement in the same direction about said cam.

2,270,983
ELECTROMECHANICAL AMPLIFIER
William T. Weidenman, Sr., Spring Valley, N. Y., assignor to Telephonics Corporation, New York, N. Y., a corporation of New York
Application November 15, 1938, Serial No. 240,429
1 Claim. (Cl. 179—171)



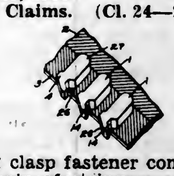
In a push-pull electromechanical amplifier, the combination of a support, electromagnetic means on the support, including a pair of permanent magnets having poles of like polarity adjacent to each other and forming an air gap and voice coils associated with each magnet, an elongated armature pivoted at one end on the support in a substantially vertical position and extending through said air gap and polarized by said permanent magnets for vibration in response to flux variations, spring means connected to the armature for normally centering it in said air gap subject to vibration, an electrode positioned adjacent each side of said armature in the plane of the pivotal vibration thereof comprising a cup and conducting particles in said cups operatively engaging the corresponding side of the armature for rearrangement as the armature vibrates, and electrical connections to each of said electrodes.

2,270,984
SLIDE FOR MULTIPLE FASTENERS
Martin Winterhalter, Morcote-Castello, near Lugano, Switzerland
Application March 22, 1941, Serial No. 384,707
14 Claims. (Cl. 24—205.5)



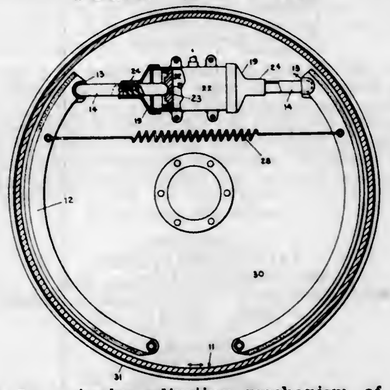
1. A slide for a multiple fastener having, in combination, a slide body, a handle for moving said body mounted thereon for swinging about an axis transverse to the direction of movement of said body, locking means for preventing accidental fastener opening movement of said body operated into engaged and disengaged position when said handle is swung in opposite directions respectively, said handle comprising separate relatively resilient parts, cooperating means on said handle and body for forcing said parts to move relative to each other when said handle is swung to a position in which said locking means is released for causing said handle to be urged toward a position in which said locking means is engaged.

2,270,985
SLIDING CLASP FASTENER
Martin Winterhalter, Morcote-Castello, near Lugano, Switzerland
Original application August 28, 1936, Serial No. 98,308, now Patent No. 2,239,803, dated April 29, 1941. Divided and this application March 22, 1941, Serial No. 384,708. In Switzerland September 19, 1935
8 Claims. (Cl. 24—205)



8. A sliding clasp fastener comprising in combination: a pair of stringers adapted to lie in approximately the same plane, a plurality of spaced locking members moulded on and intimately united to one side of each stringer and having coupling portions formed on one face with a coupling recess and on the other face with a coupling projection, said recesses extending through the whole thickness of the coupling portions terminating in the plane of the stringer, said projections also terminating in the plane of said stringer, the mould flash formed on the coupling projections and recesses of the locking members being substantially parallel to the stringers and in the end plane of said projections and recesses, so that said mould flash does not interfere with the reception of said projections by said recesses.

2,270,986
WHEEL BRAKE ADJUSTER
William Joseph Wisniewski, Bayonne, N. J.
Application September 28, 1940, Serial No. 358,901
2 Claims. (Cl. 188—79.5)

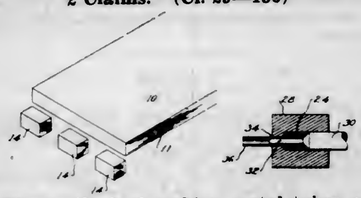


1. In a brake adjusting mechanism of the character described, a pair of shoes pivoted at adjacent ends, hydraulic controlling means between the opposite ends of said shoes, plungers between said means and said shoes, and means for adjusting the projection of said plungers as said brake wears, said last mentioned means comprising fingers upon said plungers and housings around the same, said fingers being adapted to prevent the return of said plungers within said housings when said brakes are worn and adapted upon occurrence of brake shoe wear, to successively travel with the plungers outwardly of the housings, and then abut against the outer ends of said housings upon release of the brake shoe, whereby to determine the adjusted position thereof.

2,270,987
PROCESS OF SILVER SOLDERING
John E. Woods, Brookline, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
No Drawing. Application February 10, 1940, Serial No. 318,330
3 Claims. (Cl. 148—4)

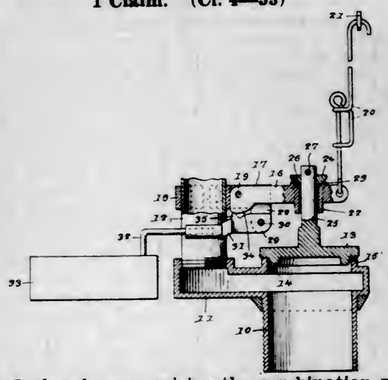
1. The process of silver soldering a metallic diaphragm having a relatively thin wall to a comparatively massive fitting, which consists in cold working a diaphragm to an amount not exceeding a 35% reduction in area, the metal of the diaphragm having a normal annealing point on the order of 1400° F. or thereabouts, assembling the cold worked diaphragm with a fitting combined with a ring of silver solder properly located and held in position, and subjecting the assembly to a closely controlled temperature on the order of 1250° F. in a reducing atmosphere for a sufficient period of time to bring the assembly to the temperature of the surrounding region and cause the silver solder to flow into the joint.

2,270,988
METHOD OF MAKING METAL TUBES
John E. Woods, Brookline, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application August 1, 1940, Serial No. 349,137
2 Claims. (Cl. 29—156)



1. The method of making metal tubes, which comprises shearing alternate straight-sided blanks from a metallic sheet having a grain extending transversely of the blanks, swedging the straight-sided blanks into cylindrical blanks having a grain extending mainly transversely of the axis, indenting the blank to form an opening lengthwise thereof, and extruding the blank in an axial direction to produce a metallic tube.

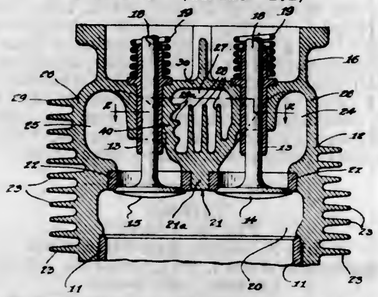
2,270,989
FLUSH VALVE
Arthur N. Asselin, Fall River, Mass.
Application April 7, 1941, Serial No. 387,353
1 Claim. (Cl. 4—53)



A flush valve comprising the combination with an outlet pipe and an overflow pipe, of a split ring clamp secured to the overflow pipe near the bottom thereof, a horizontally disposed hinge ear on the clamp, an integral link on the outer end of the ear extending downwardly at a right angle to the ear, an arm pivoted at one end to the inner end of the ear, a lever extending in a direction opposite to the arm pivoted at one end to the link at a point underneath the pivoted end of the arm, a valve on the arm for closing the outlet pipe, means for manually rocking the arm upwardly to open the valve, a cam on the lower edge of the pivoted end of the arm having a curved edge the center of curvature of which is at the pivot of the arm and having a straight edge between the pivot of the arm and the ring clamp normally engaging the clamp to hold the arm in horizontal position to hold the valve closed, an integral pawl extending upwardly from the upper edge of the pivoted end of the lever, a float on the end of the lever normally holding the pawl in engagement with the curved edge of the cam the curved edge of the cam riding off of the pawl when the arm is rocked upward to

open the valve and the straight edge of the cam lodging against the rear side of the pawl, said float maintaining the engagement of the straight edge of the cam in rear of the pawl to hold the valve open until the float gravitates, gravitation of the float withdrawing the pawl from engagement with the straight edge of the cam to permit the arm to gravitate and lower the valve to closed position.

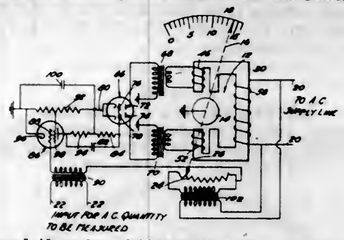
2,270,990
ENGINE
Carl F. Bachle, Grosse Pointe, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich.
Application January 25, 1940, Serial No. 315,531
3 Claims. (Cl. 123—171)



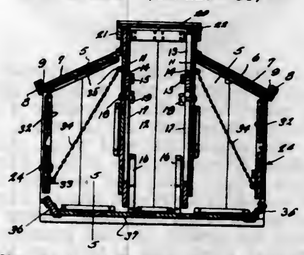
1. In an internal combustion engine having a cylinder, a cylinder head structure overlying the cylinder and constructed of an integral structure defining a combustion chamber overlying the cylinder and a rocker box overlying the combustion chamber, overhead intake and exhaust valves supported by said cylinder head and opening axially inwardly of the cylinder and including valve stems projecting into the interior of said rocker box, valve actuating mechanism supported in said rocker box, said cylinder head having intake and exhaust passages terminating respectively in intake and exhaust ports opening into said combustion chamber, and an air tunnel extending across the central portion of the cylinder intermediate the rocker box and combustion chamber and overlying a portion of said intake and exhaust ports, said cylinder head having valve guide bores supporting valve guides which support said valves, said tunnel constructed to provide a wall of minimum thickness substantially parallel to said exhaust valve guide and for substantially the whole length of said exhaust valve guide bore, and a plurality of cooling fins lying in planes extending normal to the cylinder and valve axes, encircling said exhaust passage and carried around said wall portion separating the exhaust valve guide from the air tunnel.

2,270,991
METER
Samuel J. A. M. Bagno, New York, N. Y., assignor to Kurman Electric Co., New York, N. Y., a corporation of New York
Application June 22, 1938, Serial No. 215,303
25 Claims. (Cl. 171—95)

6. A measuring device comprising a single phase induction motor having field poles and coils so arranged that the motor is normally not self-starting, and is self-stopping, a main source of alternating current for the motor field, a source of input energy to be measured, said energy being synchronous with the motor field current, adjustable means to neutralize the input energy, a first absorption circuit connected to one of the field coils and a second absorption circuit connected to another of the field coils, said absorption circuits being isolated to function independently of one another, means responsive to any unneutralized input energy for making one absorption circuit or the other effective and thereby shifting the phase of a part of the motor field in order to start the motor, and means controlled by the motor to shift the neutralizing means in such a direction as to tend to bring the input energy to zero, whereby the motor comes to rest at a position commensurate with the value of the input energy being measured.



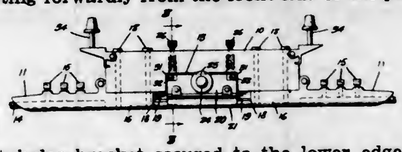
2,270,992
LIVESTOCK FEEDER
Alva Billingsley, Lamesa, Tex.
Application June 1, 1939, Serial No. 276,886
1 Claim. (Cl. 119—53)



In a livestock feeder, a roof, a floor and side walls, said feeder having a front, said front having an opening therein, a closure for the opening, said closure being of sectional construction and comprising of a plurality of plates provided with ears, rods extending through the ears, one rod swingably connecting the plates, the other rod having its ends supported by the side walls, the edge portion of the bottom adjacent the closure being disposed upwardly to terminate adjacent the lower edge of the lowermost plate, said closure being swingably mounted, and means limiting outward swinging motion of the closure, the upper edges of the plates being curved inwardly.

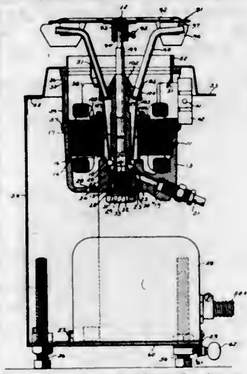
2,270,993
SAFETY SWITCH
James Roy Clark, Appalachia, Va., assignor to G. C. Gilley, Appalachia, S. H. Rivers, Calvin, and J. H. Hagy, Imboden, Va.
Application May 9, 1941, Serial No. 392,767
2 Claims. (Cl. 173—328)

1. A safety switch comprising an insulating body provided in the center thereof with a recess which opens through the sides and lower edge of the body, metal sleeves secured in alignment to the lower edge of the body on opposite sides of said recess adapted to receive current carrying wires, said sleeves being provided with extensions at their opposed ends having sockets therein and provided with openings in the front sides communicating with said sockets, a safety plug formed of insulating material removably mounted in said recess in the body, a handle projecting forwardly from the front side of the plug,



a tubular bracket secured to the lower edge of the body, and a cylindrical conductor in the bracket projecting from both ends of the bracket to be received in said sockets through said openings, and means for yieldably securing the plug in said recess in the body.

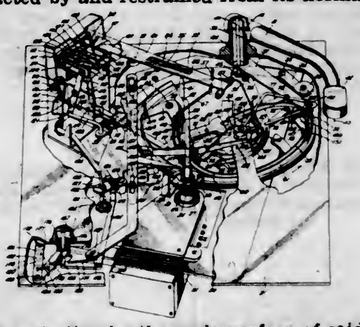
2,270,994
LIQUID FUEL BURNING APPARATUS
Frank O. Cole, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application July 16, 1938, Serial No. 219,637
9 Claims. (Cl. 103—4)



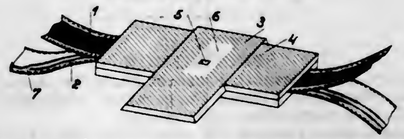
1. A fuel lifting and distributing head, comprising a cup-like casing including a motor element disposed in said casing, a distributor head arranged to be inserted into said casing, said distributor head including an armature arranged to cooperate with said motor element and drive said distributor head when energized, an oil chamber in said casing, a conical member on said distributor head arranged to project into the oil in said chamber and lift the oil upwardly through centrifugal force, an annular, substantially radially outwardly projecting wall on the exterior of said conical member intermediate the ends thereof to intercept oil lifted upon the exterior thereof, and a stationary member immediately adjacent said annular wall extending above and below the level thereof and spaced outwardly therefrom to receive the intercepted oil and permit it to return by gravity to said oil chamber.

2,270,995
MAGAZINE PHONOGRAPH
Enzo Compare, London, England
Application April 22, 1939, Serial No. 269,487
In Great Britain April 28, 1938
18 Claims. (Cl. 274—10)

15. A record changing mechanism for phonographs comprising a magazine carrying a pile of records of different diameters disposed one above the other, a member mounted for tilting about a horizontal axis and for lateral movement between an outer position distant from the edges of the records of the pile and an inner position beneath the lowermost record of the pile, means mounted on said member for movement with and relative to said member and normally urged upwardly for projection thereabove, means for downwardly tilting said member at its outer position, means actuable as said member is downwardly tilted for restraining said movable means from normal upward projection, means for moving said downwardly tilted member from its outer to its inner position, means for upwardly tilting said member at its inner position towards the undersurface of the lowermost record of the pile, whereby the movable means on said member is contacted by and restrained from its normal upward projection by the undersurface of said lowermost record, and means for moving said member laterally from its inner position towards its outer position, whereby as the movable means passes the periphery of the lowermost record of the pile, said movable means is normally urged upwardly for projection above the member and into lateral contact with the edge of the lowermost record of the pile, means operatively connected between said movable means and said member for arresting the movement of said member from its inner position towards its outer position as the movable means projects into lateral contact with the edge of the lowermost record, and means for laterally moving the movable means towards the center of the pile and relative to the arrested member mounting the same for laterally displacing the lowermost record from the pile.



2,270,996
ARRANGEMENT AND PROCESS FOR THE PRODUCTION OF ENDLESS SOUND FILMS
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application June 22, 1937, Serial No. 149,650
In Germany June 22, 1936
5 Claims. (Cl. 274—46)

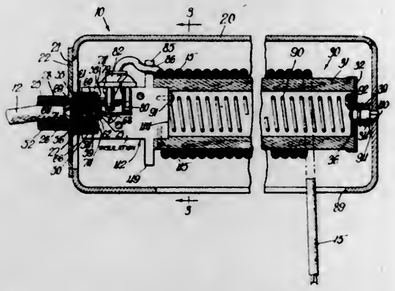


1. Apparatus for use in printing from a master strip film having a variable density sound record thereon a continuous variable density sound record onto a sensitized continuous endless film in sections parallel to each other, comprising

means including a lamp, a gate and a lens for directing light through the master film toward the sensitized film over an area of a width substantially equal to the effective width of the sensitized film, a stop in the path of light between the master film and the sensitized film adjacent the latter having a limited exposure aperture and adjustable to limit the exposure of the sensitized film to selected positions transversely of the film.

4. The method of printing a variable density sound record on a continuous endless film in parallel sections which comprises passing a strip film having a variable density sound film extending substantially the whole effective width thereof through a guide in superposed relation to a sensitized continuous endless film directing light from a fixed source toward said records, interposing a light stop having a printing aperture of a narrow width and moving said stop transversely of the length of the film to print the variable density record on the endless film with successive sections arranged parallel to each other.

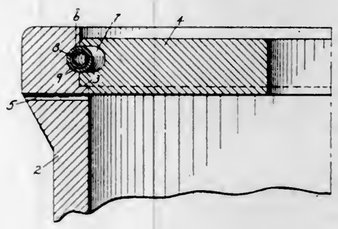
2,270,997
IRON CORD HOLDER
Walter Thomas Davis, Evanston, Ill., assignor of one-half to Joseph Fisher, Evanston, Ill.
Application November 16, 1939, Serial No. 304,673
2 Claims. (Cl. 191—12.4)



1. In a device of the class described, a housing, a drum in said housing adapted to have an electric conductor wound thereon, trunnions in said housing for supporting said drum, said drum having an insulation insert through which said drum bears on one of said trunnions, said insert containing electrical socket contact members for reception therein of the prongs of a plug cap on the electric conductor, said insert having a notch for insertion of the body of the electric conductor therein, said electric conductor at its point of securement in said notch receiving the force at the end of the unwinding operation of said electric conductor, and spring means for biasing said drum in a direction to retrieve said electric conductor into said housing.

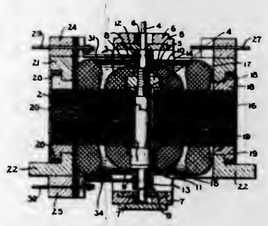
2,270,998
SPINNING BOX
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 28, 1941, Serial No. 416,796
2 Claims. (Cl. 57—76)

1. A spinning bucket provided on the upper portion of its inner periphery with an annular groove, a cover having an annular groove in its outer periphery, a locking ring normally retained in substantially unstressed condition entirely within the groove in the cover and adapted to expand into engagement with the groove in the



bucket upon rotation thereof, said locking ring comprising a metallic spring encased within a protective covering of an elastic material.

2,270,999
TRANSMITTER OR RECEIVER OF THE MOTORLIKE TYPE
Willi Fielitz, Blankenfelde, Kreis Teltow, and Anton Schlindwein, Berlin-Siemensstadt, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application April 18, 1940, Serial No. 330,402
In Germany November 30, 1938
6 Claims. (Cl. 172—36)

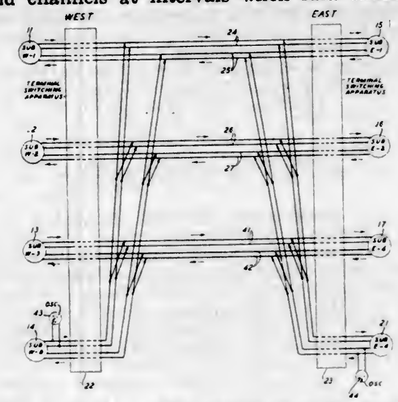


6. Means comprising a transmitter or receiver motor having a stator comprising a core and windings therefor, a rotor shaft, resinous bearings supported by said stator and provided at each extremity of said shaft for mounting the shaft for rotation therein relative to said stator, a laminated rotor core and a winding therefor, a sleeve concentric with said shaft for supporting said rotor core, insulating sleeves secured to the shaft at each end thereof, slip rings adhesively joined to each of said insulating sleeves and having portions thereof embedded in said sleeves, and electrical connections between said slip rings and said rotor winding.

2,271,000
SPEECH TRANSMISSION SYSTEM
William V. Lovell, Sanford, Fla.
Application January 7, 1941, Serial No. 373,395
11 Claims. (Cl. 179—15)

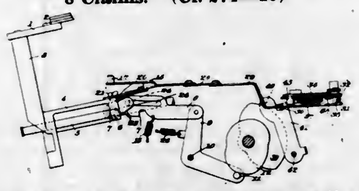
9. In a speech transmission system providing between stations a plurality of transmission paths over a like number of channels definitely assigned for use by said respective stations, the method of providing for an additional transmission path which comprises the step of switching

the additional transmission path about among said channels at intervals when said channels



are not being used for transmission by said stations.

2,271,001
RECORD CHANGING APPARATUS FOR PHONOGRAPHS AND THE LIKE
Henry James Fortune, Swindon, England, assignor to The Garrard Engineering & Manufacturing Company Limited, Swindon, Wiltshire, England
Application December 18, 1939, Serial No. 309,879
In Great Britain January 25, 1939
8 Claims. (Cl. 274—10)



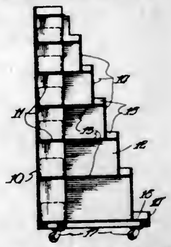
5. In a record changing apparatus of the class described, wherein at different times there are supported at their centers upon a shouldered spindle in pile formation and in groups of common diameter, records of one or another diameter, a reciprocable carrier member mounted to support at their edges a group of records of one diameter, a guide member along which said carrier member slides, an abutment on said carrier member of the thickness of one record and against which the edge of the lowermost record of the pile rests, means connecting the guide member and the carrier member for biasing the carrier member away from the spindle, a mechanism acting against the tension of said biasing means for moving the carrier member towards the spindle, whereby the lowermost record of the pile is contacted by and displaced from the shoulder of the spindle by the abutment on the carrier member, said mechanism comprising a periodically operable driving member and a laterally movable link member connected at one end to said carrier member and at its other end disposed in displaceable contact with said driving member, said connection comprising a locking projection on said carrier member and a series of notches on said link member in which said locking projection may rest, and means operatively associated with at least one of the members of the connection for selectively displacing the projection of the carrier member into one of the notches of the link member, whereby to adjustably set the carrier member in spaced relationship to the spindle for supporting record piles of one or another diameter.

2,271,002
SAND SEPARATOR FOR DEEP WELLS
George S. Fosnaugh, Compton, Calif.
Application February 13, 1940, Serial No. 318,725
10 Claims. (Cl. 103—204)



1. In a liquid and sand separator for use at a well bottom, the combination of a tubular body to be attached to the lower end of the flow pipe of the well, and having a substantially vertical partition wall dividing the same into an up-take duct, and a down-take duct with its upper end closed off above from communication with the interior of the tubular body, means for admitting the liquid in a current carrying sand adjacent the upper end of the down-take duct, and for directing the sand current downward, the pumping suction in the up-take duct operating to maintain the downward movement of the said current, the outer wall of said down-take duct having sand outlets, and baffles projecting across the current in the down-take duct and past which the said current flows downward, for baffling the sand and for guiding the same out through said sand outlets while permitting the liquid in said current to pass.

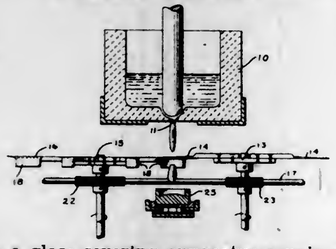
2,271,003
DISPLAY CASE
Maybelle M. Franseen, Mayville, Wis.
Application June 7, 1940, Serial No. 339,224
2 Claims. (Cl. 312—149)



1. A construction of the class described comprising a rear wall having a plurality of shelves on its front face; side walls extending forwardly from the ends of the said rear wall and having shelves on their inner faces registering with the shelves on the rear wall, there being drawer

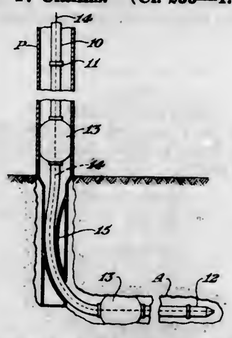
openings at the rear edges of said side walls opposite the spaces between said shelves; and drawers inserted in said openings.

2,271,004
GLASSWORKING APPARATUS
David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 8, 1939, Serial No. 289,043
5 Claims. (Cl. 49—5)



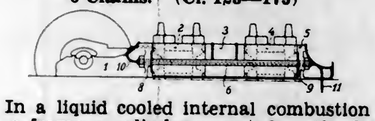
5. In a glass severing apparatus a pair of rotatable shear units arranged to simultaneously move through a downwardly moving stream of molten glass to shear charges from the lower end thereof, an apron depending from one of said units, molds moving beneath the shear units in a direction transversely of the axis of the stream, means for moving the apron equipped shear unit at a speed comparable with the speed of movement of said molds to move a severed charge in a manner to assist in its delivery into one of said molds, and means for moving the other shear unit at a relatively higher speed to produce an effective cooperative cutting action of said units.

2,271,005
SUBTERRANEAN BORING
John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 23, 1939, Serial No. 252,295
17 Claims. (Cl. 255—1.8)



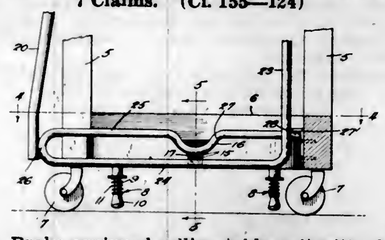
1. The method of forming a channel radiating from a well hole, which comprises positioning a flexible conduit provided with a drilling member in said well hole and locating said member adjacent to the formation to be channeled, introducing a liquid into said conduit and directing it from said member in the form of a jet so as to drill a channel radiating from said well hole, advancing said flexible conduit into the channel so formed, and expanding portions of said conduit to anchor the same.

2,271,006
GAS ENGINE
Friedrich Hagenmüller, Nuremberg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany
Application September 28, 1939, Serial No. 297,002
In Germany October 6, 1938
6 Claims. (Cl. 123—173)



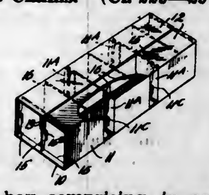
4. In a liquid cooled internal combustion engine, a frame, a cylinder mounted on the frame, stay bolts extending along the cylinder holding the cylinder to the frame, means for guiding the cooling liquid from the engine along the stay bolts so that the temperature thereof varies in accordance with the temperature of the engine cooling liquid, and an exhaust pipe disposed vertically below the axis of the cylinder whereby the stay bolts are equally heated with heat released by the exhaust passing through the exhaust pipe.

2,271,007
BRAKE TABLE WITH CHAIR OPERATOR
Flem Cortis Hanna, Charleston, W. Va.
Application February 8, 1941, Serial No. 378,075
7 Claims. (Cl. 155—124)



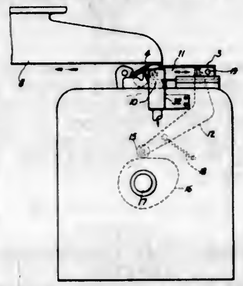
1. Brake equipped rolling table unit with chair operator, comprising a table having wheels at the corners of its base of support, brake elements carried by said table normally spring-pressed against the floor, means connected to said brake elements adapted when actuated to lift said brake elements, and a chair removably nestable beneath said table having a portion engageable with said lifting means for actuating them.

2,271,008
EGG BOX
Stephen O. Heiser, Amsterdam, N. Y.
Application March 10, 1941, Serial No. 382,615
3 Claims. (Cl. 229—29)



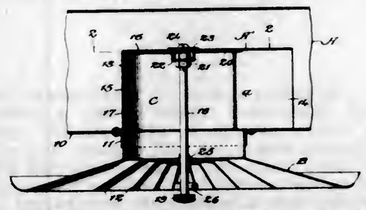
1. An egg box comprising, in combination, a casing having a bottom and spaced side walls, a filler for said casing having spaced longitudinal strips and spaced cross strips arranged at right angles to each other to form cells, said strips at their points of crossing having interlocking slots formed therein, the longitudinal strips at each side of the filler being arranged in close proximity to the corresponding side wall of the casing, said side walls of the casing having wings formed thereon and extending inwardly therefrom and intersecting the adjacent side wall of the filler, each of said wings being arranged adjacent to and parallel with one of said cross strips and having a slot therein corresponding to and arranged to register with the slot in the adjacent cross strip and means in said registering slots of the wings and cross strips and the corresponding slot of said longitudinal strips for locking said longitudinal strips and the filler to said wings.

2,271,009
CIGAR WRAPPING MECHANISM
Birger Hellström, Karlsudd, Vaxholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden
Application June 13, 1939, Serial No. 278,951
In Sweden June 14, 1938
5 Claims. (Cl. 131—36)



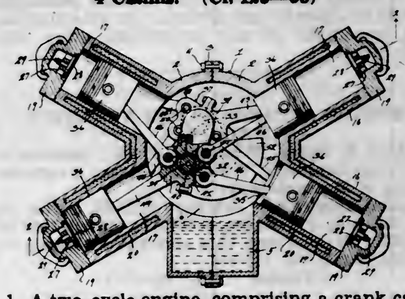
1. In a cigar wrapping mechanism, a wrapper delivery means, and air suction means operative to successively remove the wrapper flag from said wrapper delivery means and transfer said flag to the head of a bunch positioned in said wrapping mechanism.

2,271,010
VENTILATING APPARATUS
Friedrich Honerkamp, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application October 4, 1938, Serial No. 233,148
8 Claims. (Cl. 98—40)



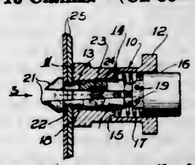
1. Ventilating apparatus comprising a main air supply duct having an air outlet opening, and an auxiliary duct within said main duct defining a chamber through which air is required to pass in its flow from said main duct to said opening, said chamber having a closed, rounded rear end portion alined with said opening and having an open, air inlet front end portion facing the direction of air flow through said main duct and disposed tangentially with respect to said closed rear end portion, whereby air flowing through said chamber to said opening has a helical motion imparted thereto.

2,271,011
TWO-STROKE CYCLE ENGINE
Deward H. Hubbard, Vernon, Tex.
Application January 25, 1940, Serial No. 315,579
4 Claims. (Cl. 123—55)



1. A two-cycle engine, comprising a crank case, a crank shaft extending through said case and having a pair of cranks, a plurality of firing cylinders integral with said crank case and extending radially with respect to said crank shaft in a common plane having one of said cranks in said plane, a plurality of pistons in said cylinders each operatively coupled with the said one of the cranks, a plurality of compression cylinders arranged to extend radially with respect to said crank shaft and in a common plane extending transversely thereof and having the other crank in said last mentioned plane, a piston in each of the compression cylinders, means operatively coupling the compression cylinder pistons with the said other crank, a fuel inlet port leading into each compression cylinder, a free moving inwardly opening valve for each port permitting fuel to flow only into the compression cylinders, a fuel transfer passage leading from each compression cylinder to a firing cylinder, a control valve for each passage opening into the adjacent firing cylinder, an exhaust port for each firing cylinder which is uncovered by the adjacent firing piston when the latter is at the limit of its outward movement, means for igniting a fuel charge in each firing cylinder, and said cranks being angularly related to move the compression cylinder pistons on their compression strokes in advance of and for a period during the compression strokes of the firing cylinder pistons.

2,271,012
RIVETING CLAMP
John H. Hutchings, Los Angeles, Calif., assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1939, Serial No. 288,811
13 Claims. (Cl. 85—5)



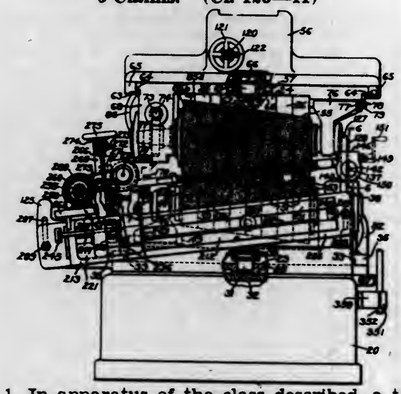
3. A fastener for temporarily holding together at least two perforated sheets in superposed relation, including a housing having a base adapted to rest on the upper sheet, a vertical bore through said base, a retainer slidable in said housing including two legs extending through said bore, a lateral projection on each of said legs below said base, said projections being laterally movable to-

ward each other for insertion through aligned perforations of said sheets and laterally movable away from each other for engagement with the under side of the lower sheet, and means including a spring responsive to the slidable movement of said retainer in one direction for effecting lateral movement of said projections away from each other.

2,271,013
TRUING APPARATUS FOR ABRADING MACHINES

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Original application February 6, 1935, Serial No. 5,271, now Patent No. 2,087,874, dated July 20, 1937. Divided and this application March 24, 1937, Serial No. 132,753
5 Claims. (Cl. 125—11)



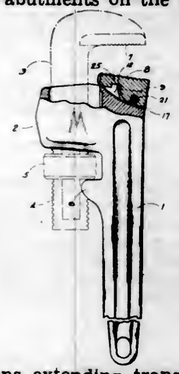
1. In apparatus of the class described, a toric dressing wheel for an abrasive wheel, a slide upon which said toric dressing wheel is mounted whereby to adjust it in a direction perpendicular to its axis, and a second slide upon which the first slide is mounted to move the toric wheel in a direction perpendicular to its axis, which direction is also perpendicular to the direction of movement of the first slide, whereby the toric wheel may be moved along one slide to dress an abrasive wheel and adjusted along the other slide to increase or decrease the amount of cut, and the toric wheel in moving along the abrasive wheel will move perpendicular to the axis of the toric wheel.

2,271,014
HEEL JAW

Carl H. Ingwer, Elyria, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio

Application December 29, 1939, Serial No. 311,643
1 Claim. (Cl. 81—101)

In a wrench of the class described including a handle, a housing, a hook jaw adjustably disposed in the housing, and a heel jaw carried by the handle adapted to cooperate with the hook jaw, said handle being provided with a rectangular seat for the heel jaw compriaing a flat bearing surface bisected by a longitudinally extending slot, a pair of aligned abutments on said flat bearing surface on opposite sides of said slot and provided with faces disposed in planes normal to the flat bearing surface, said heel jaw being formed with a flat seating surface for engagement with said rectangular seat and having a downwardly extending apertured lug adjacent one end with the sides thereof engageable with the sides of said slot, said seating surface provided with a transverse groove intermediate the lug and the other end of the flat seating surface with the walls of the groove engageable with the sides of said abutments on the bearing surface,

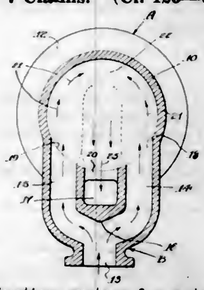


and pin means extending transversely through the body of the wrench and through the lug on the heel jaw to lock said heel jaw onto the rectangular seat, said abutments on the bearing surface and said cooperating groove in the heel jaw removing stresses from said pin during the use of the wrench.

2,271,015
TWO-STROKE CYCLE ENGINE INDUCTION SYSTEM

Thomas Jackson, Kokomo, Ind., assignor to Continental Motors Corporation, Detriot, Mich., a corporation of Virginia

Application July 24, 1940, Serial No. 347,208
7 Claims. (Cl. 123—65)

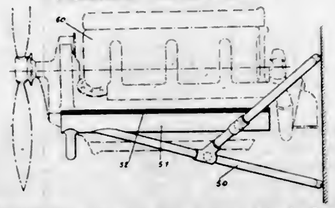


6. An induction system for a two-stroke cycle internal combustion engine having a cylinder and a piston operable in said cylinder, intake and exhaust means for said cylinder and comprising closely adjacent intake and exhaust ports located on the same side of said engine cylinder, said intake and exhaust ports constructed and arranged to induce substantially parallel flow of said intake and exhaust gases in a plane extending substantially normal to the cylinder axis with a minimum of intermingling of said intake and exhaust gases as same are being respectively introduced and exhausted from said engine cylinder, said engine induction system including an intake conduit having branched parallel conducting portions surrounding the exhaust passage and terminating in a pair of intake ports located on each side of said exhaust port, said branched portions lying in a common plane extending substantially normal to the cylinder axis.

2,271,016
ANTIVIBRATING RESILIENT SUPPORT

Maurice François Alexandre Julien, Paris, France

Application November 23, 1938, Serial No. 242,071
In France November 23, 1937
7 Claims. (Cl. 248—9)

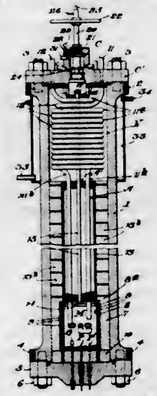


3. A resilient support of the kind described consisting of two outer members adapted to be assembled together to form enclosing means, each member comprising an outer frame having a substantially flat central portion and a substantially flat inner frame bonded thereto by a layer of elastic material, one at least of said outer frames having bent over edges, complementary contact surfaces on said outer frames, forming a peripheral closure of said enclosing means a space in the elastic material at the periphery of the inner frames, the outer frames each having axial openings and flexible means surrounding said openings.

2,271,017
METHOD OF PRODUCING HYDROGENATED HYDROCARBON PRODUCTS

Rene Leprestre, New York, N. Y.; Margaret C. Leprestre, H. Douglas Hadden, Ralph C. Tobin, and Joseph Dannenberg, executors of the estate of said Leprestre, deceased, assignors to Applied Chemicals, Inc., a corporation of Delaware

Application May 10, 1938, Serial No. 207,095
1 Claim. (Cl. 196—53)

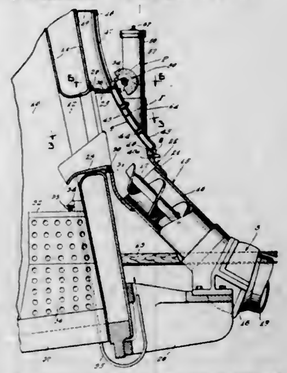


A process for increasing the hydrocarbon content of hydrocarbon products which consists in preparing an aqueous colloidal mixture of a hydrocarbon base material, simultaneously injecting said mixture and a hydrogen carrier at a pressure range between 12,000 and 14,000 pounds per square inch, into a chamber within which a temperature of approximately 1,000° F. is maintained and causing the said base material and hydrogen carrier to be brought into direct impingement at a common focal point in the said heated chamber, circulating the mixture formed in said chamber at a predetermined speed by and in contact with a catalyst, and subsequently cooling and condensing the gaseous products resulting from the catalytic reaction.

2,271,018
LOCOMOTIVE STOKER

Eugene Martin, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application December 22, 1937, Serial No. 181,120
4 Claims. (Cl. 110—105.5)



1. In a firebox having an upright wall with a firing opening therein and a stoker for feeding fuel to said opening comprising a casing embracing said opening, the rear portion of said casing being provided with an aperture opposite said firing opening, a firedoor normally closing said opening, means providing an arcuate track engageable by said firedoor, said arcuate track extending from a point adjacent the lower portion of said aperture to a point above said firing opening, the upper portion of said arcuate track being approximately parallel to said backwall, a gear rack on said firedoor, a gear meshed with said rack, power means operatively connected with said gear for rotating the same, manual means arranged to rotate said gear, means normally maintaining said manual means inoperative to rotate said gear, said means also arranged to retain said manual means in a position maintaining said firedoor in open position.

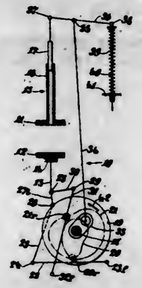
2,271,019
INJECTION MOLDING MACHINE OR SIMILAR PRESS

Peter De Mattia, Passaic, N. J.

Application July 17, 1940, Serial No. 345,891
8 Claims. (Cl. 74—53)

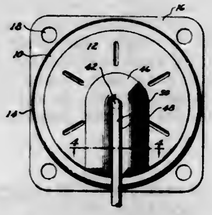
1. A device including a member movable along a lineal path, a bell crank lever pivotally connected at its apex to said member at said path, a power lever pivotally connected at one end to a first arm of the bell crank lever, and having at its other end a fixed pivot along a line straight with said path, said power lever and said first arm of the bell crank being movable so that their pivotal connection lies along said line or in spaced relation thereto, a linkage pivotally connected at one end to the second arm of the bell crank and having a fixed pivot at its other end, a rotatable shaft, a first cam and a second cam having positive engagement with the power lever at one point, the second cam having positive en-

gagement at one point with said linkage to actuate the same for swinging and raising the bell crank lever to raise said member, the points of engagement of the first and second cam being angularly spaced, said cams being so arranged and coordinated that the second cam causes the linkage to elevate the movable member and to swing the bell crank lever so that said first arm thereof moves toward said line with the second



cam simultaneously moving the power lever toward said line to swing and raise the bell crank lever to raise said member and to cause the connection between the power lever and the second arm to lie in said line for a substantially dead center position, and said cams being constructed to cooperate with said power lever and with said linkage to cause a reverse swinging of the bell crank lever and a lowering thereof to lower the said member.

2,271,020
THERMOSTATIC UNIT
Joseph J. McMahon, Lowell, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application December 19, 1939, Serial No. 310,005
1 Claim. (Cl. 297—8)



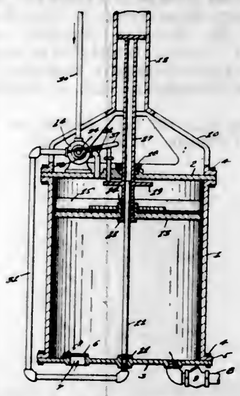
In a thermostatic unit, a generally cup-shaped metal housing having bottom and peripheral walls, a flexible diaphragm unit cooperating with said bottom and peripheral walls to provide a closed space within said housing, an aperture in said bottom wall, the metal of said bottom wall being formed to provide a trough-like depression of arcuate cross-section extending from said aperture to the periphery of said bottom wall, a capillary extending through said aperture and along the bottom of said trough-like depression, said depression having a diameter substantially equal to the external diameter of said capillary, and solder material partially overlying said capillary throughout the length of said depression to retain said capillary within said depression and to seal said aperture around said capillary.

2,271,021
FABRIC
Elsie M. Murphy, Jamaica Estates, Long Island, N. Y., assignor to S. Stroock & Co., Inc., New York, N. Y., a corporation of New York
Application February 17, 1941, Serial No. 379,274
1 Claim. (Cl. 139—412)



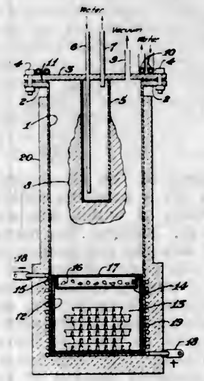
A composite textile fabric comprising three plies of cloth, each ply comprising two sets of oppositely directed threads, the threads of one set of each ply being closely interwoven with the threads of the other set of the respective ply, the threads of the intermediate ply being of spun glass fibers, and certain of the threads of one outer ply being successively and at spaced intervals passed through the intermediate and the other outer plies at right angles thereto from face to face and over threads of said other outer ply outwardly of at least two threads thereof and then returned through the said other outer and intermediate plies again at right angles thereto from face to face.

2,271,022
PUMP
Clarence D. Nelson, Mullan, Idaho, assignor of one-half to Edna Hanson, Wallace, Idaho
Application August 29, 1940, Serial No. 354,769
2 Claims. (Cl. 103—52)



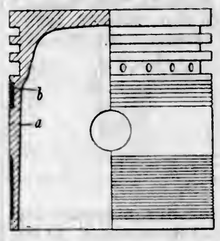
1. In a pump of the class described, a pump cylinder including a pair of cylinder heads, an intake and a discharge valve in one cylinder head, a reciprocating piston in the cylinder, and means to reciprocate said piston under the action of compressed air comprising a compressed air inlet pipe extending axially from said one cylinder head inwardly and slidably extended through the piston, a hollow piston rod extending from said piston out of the other piston head and slidably receiving said pipe, said rod having an outer closed end, an air control valve on said cylinder for connection to a compressed air source, a pair of air lines leading from said valve to said air pipe and extending through said other cylinder head, respectively, said valve being operative to open said lines alternately, and means to operate said valve under movement of said piston rod in opposite directions.

2,271,023
METHOD OF TREATING MAGNESIUM
Charles E. Nelson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application May 11, 1940, Serial No. 334,593
7 Claims. (Cl. 75—67)



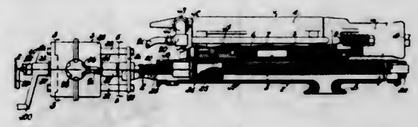
1. The method of producing substantially pure magnesium comprising introducing impure magnesium into direct contact with from 10 to 50 per cent by weight of a metal selected from the group of metals consisting of lead, tin, calcium, bismuth, antimony, and silicon, applying heat so as to cause the metals to alloy, continuing the application of heat so as to cause the magnesium to vaporize, and thereafter passing the magnesium vapor through a filter bed of a refractory material selected from the group of refractory materials consisting of the oxides and silicates of the metals located above manganese in the electromotive series of metals.

2,271,024
PISTON
Arthur Villeneuve Nicolle and Percy White, Twickenham, England
Application February 24, 1939, Serial No. 258,325
In Great Britain September 23, 1938
6 Claims. (Cl. 309—13)



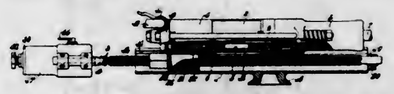
1. A light metal piston primarily for internal combustion engines, comprising a piston body having an external annular groove and an encircling sheath of wire in said groove, said wire having a coefficient of expansion less than that of the metal of the piston body and having its ends anchored to the piston body and being under substantially no tension at atmospheric temperature.

2,271,025
ROCK DRILL FEEDING MECHANISM
Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 27, 1935, Serial No. 18,633
32 Claims. (Cl. 255—45)



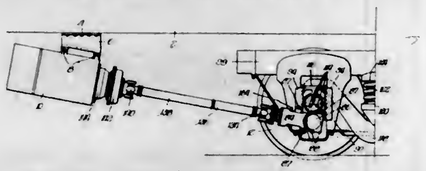
1. In a rock drilling mechanism, the combination with a hammer rock drilling device of the reciprocating piston, hammer-motor type and a guide device on which said rock drilling device is slidably guided for feeding movement, of automatic feeding means controlled by a vibratory action set up within the drilling mechanism by said rock drilling device for feeding the latter along the guide device, said automatic feeding means comprising relatively rotatable, coacting feeding elements, one stationary as regards longitudinal movement relative to the guide device and the other stationary as regards longitudinal movement relative to the rock drilling device, a movable inertia weight carried by that one of said devices relative to which the rotatable one of said coacting feeding elements is stationary as regards longitudinal movement, said inertia weight actuated by said vibratory action, and means operated by said inertia weight as the latter moves for driving said rotatable feeding element.

2,271,026
ROCK DRILLING APPARATUS
Frank E. Sinclair, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 29, 1935, Serial No. 24,066
38 Claims. (Cl. 255—45)



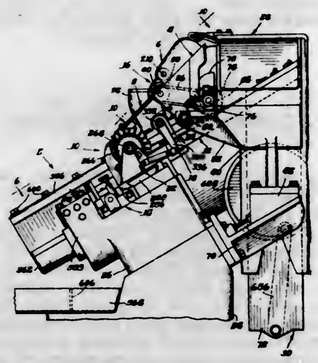
1. In a rock drill, the combination with a hammer motor within which longitudinal vibrations occur during operation thereof and a guide along which said hammer motor is guided, of automatic feeding means for feeding said hammer motor along said guide including relatively rotatable co-acting feed screw and nut feeding elements, said feed nut element fixed against rotation relative to said feed screw element and the rotatable feed screw element mounted for axial reciprocation, and means operated by the reciprocatory movement of said rotatable feed screw element caused by the vibratory action of the hammer motor for effecting rotation thereof relative to said non-rotatable nut element and including elements fixed to said feed screw element and having spiral grooves of opposite inclination, a ratchet and pawl device cooperating with each of said grooved elements and each including a member having spiral lugs engaging the spiral grooves, axial reciprocation of the feed screw element in opposite directions effecting rotation of an element of each ratchet and pawl device due to the engagement of the spiral lugs with the spiral grooves.

2,271,027
GENERATOR DRIVE
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 14, 1939, Serial No. 289,946
26 Claims. (Cl. 105—96.1)



1. In a railway vehicle, a car body, a supporting truck including a wheel and axle unit, a generator hung from said body, said unit comprising an outer normally rotating axle and an inner normally non-rotating axle, a journal box supported from said non-rotating axle, a gear ring fixed to rotate with said rotating axle, a train of gears supported from said journal box connecting said gear ring with said generator, said gear train comprising a shaft housed in said journal box, a gear wheel thereon in mesh with said gear ring, a shaft angularly disposed with respect to said first mentioned shaft, and an adjustable connection between said generator and said angularly disposed shaft.

2,271,028
SCREW AND WASHER ASSEMBLING MACHINE AND METHOD
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application July 11, 1938, Serial No. 218,680
76 Claims. (Cl. 10—2)



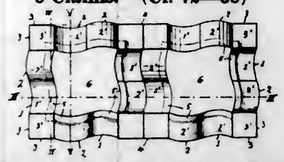
17. In a machine for producing assembled screw and washer units, a thread rolling mechanism, means for feed screw blanks to said mechanism, screw and washer assembly means, means in advance of the thread rolling mechanism for transferring blanks from said feeding means to said assembly means and for transferring the assembled blanks and washers from the assembly means to the feeding means, and means for actuating said thread rolling mechanism to form threads on the blanks beneath the washers, thereby permanently to secure the washers on the screws.

2,271,029
HAIR CLIPPER
John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 24, 1939, Serial No. 291,639
1 Claim. (Cl. 30—218)



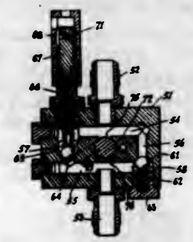
In a hair clipper of the character described, the combination of: a movable cutter having a slot, the side edges of which are substantially parallel; means for guiding the movable cutter for substantially straight line motion in a defined plane with said side edges of the slot perpendicular to the line of motion of the movable cutter; an oscillatory driving lever having an end portion disposed flatwise and wholly above the movable cutter adjacent to the slot therein so that said end portion of the lever oscillates in a plane parallel to the plane of motion of the movable cutter; and a substantially square block pivotally connected to the underside of the driving lever for rotation relative thereto on an axis perpendicular to said parallel planes and snugly but slidably engaged in said slot of the movable cutter with opposite side edges of the block having a large surface to surface contact with said side edges of the slot, said block connecting the driving lever with the movable cutter so as to transmit driving force from the lever to the movable cutter for reciprocating the same, and being restricted by said side edges of the slot to sliding motion in said slot in a direction transverse to the line of motion of the movable cutter as the driving lever oscillates so as to minimize wear at the connection between the lever and the movable cutter; the pivotal connection between the block and the lever enabling the block to be turned on its axis to engage its other two opposite sides in the slot upon wearing of the block.

2,271,030
BUILDING BLOCK OR ELEMENT
Mario Palanti, Milan, Italy
Application April 25, 1939, Serial No. 270,031
In Italy May 16, 1938
8 Claims. (Cl. 72—38)



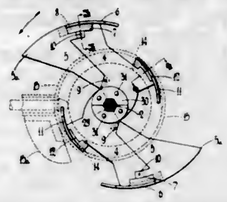
1. A block for dry masonry and like building construction comprising a body having a parallelepiped shape, at least one pair of vertical opposite outer side surfaces of the body having longitudinal flat portions and a portion of longitudinally sinusoidal-like form, said sinusoidal-like portion being located between two of said longitudinal flat portions, the outer horizontal surfaces of said body having partly sinusoidal-like form and a projection on at least one of the horizontal surfaces of the body and a groove in the surface of the body opposite said projection, the said projection being adapted to inter-engage with the groove in an adjacent block body and vice versa.

2,271,031
VALVE MECHANISM FOR LIQUID PRESSURE CONTROL SYSTEMS
Sydney Macdonald Parker, Myton, Warwick, England, assignor to Automotive Products Company Limited, London, England
Original application January 22, 1938, Serial No. 186,448, now Patent No. 2,244,894, dated June 10, 1941. Divided and this application January 4, 1939, Serial No. 249,290. In Great Britain January 30, 1937
5 Claims. (Cl. 137—153)



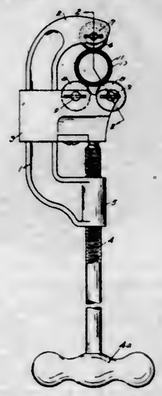
1. A valve means including one valve opening in one direction in response to the pressure of fluid directed thereto, and permitting flow therethrough, another valve opening in opposite direction in response to the pressure of fluid directed thereto, and permitting flow therethrough, a third valve adapted to by-pass said first and second valves, and means for opening said third valve, said opening means including an element which is subjected to the pressure of a body of fluid other than that which is directed to and flows through said third valve.

2,271,032
ROTARY CULTIVATOR
Albert Vinten Pettman, Epsom, Auckland, New Zealand
Application June 15, 1940, Serial No. 340,815
In New Zealand June 23, 1939
6 Claims. (Cl. 97—212)



1. A rotary cultivator unit comprising, a rotatable shaft, a hub mounted on said shaft to rotate therewith, a radial arm extending from said hub, a leading cutting edge on said arm to make a cut in the ground in the direction of rotation of said arm, a shouldered frog on said radial arm, a plate having lugs with inturned ends embracing said shouldered frog, means maintaining the lugs on said frog, and cross cutting edges carried by said plate for making cross cuts in the ground substantially at right angles to the first cut.

2,271,033
PIPE CUTTER
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application December 27, 1938, Serial No. 247,769
2 Claims. (Cl. 30—102)



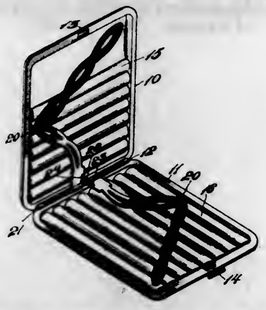
2. In a pipe cutter the combination of a cutter wheel; an opposing roller having a groove in its periphery having the surface at the bottom of the groove extending axially the width of the groove permitting the bridging of the cut formed by the cutter and the burrs formed thereby, and the depth of the groove having relation to the cutter and a burr formed thereby to limit and size the burr formed by the cutter wheel; and means mounting the wheel and roller in operative relation.

2,271,034
APPLICATOR FOR EYELASH PREPARATIONS AND THE LIKE
Leslie Edward Pithie, Upper Hawthorn, Victoria, Australia
Application May 8, 1940, Serial No. 334,033
In Australia March 26, 1940
1 Claim. (Cl. 15—106)



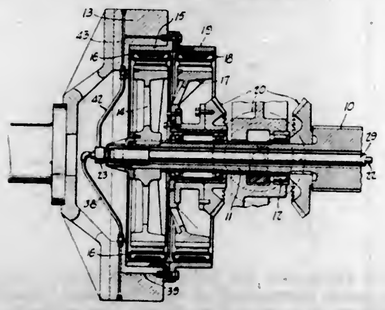
An applicator for eyelash treatment, comprising arms connected at one end and inherently resilient to normally maintain the opposite ends of the arms spaced, a clamping means at each spaced end, and brush elements carried by the clamps, each brush element comprising a relatively wide thin mass of soft, comparatively long bristles arranged wholly in advance of and beyond each arm, the bristles of the respective brush elements inclining toward each other beyond the arms to provide for contact between their free ends and throughout a substantial length toward the arms when said arms are moved toward each other.

2,271,035
CIGARETTE CASE
Joseph F. Rioux, Attleboro, Mass.
Application February 14, 1940, Serial No. 318,849
6 Claims. (Cl. 206—41)



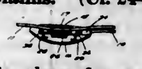
1. A cigarette case comprising a pair of generally rectangular body sections, one of said sections being of shallow dish formation and of a dimension in one direction substantially equal to cigarettes of one length for receiving the same and of a dimension in a right angular direction substantially equal to cigarettes of a different length for receiving the same, and a cigarette-retaining clip hinged along one edge of said dish section and extending therefrom to adjacent a second edge of said section and another portion thereof positioned to extend from adjacent a third edge of said section to the opposite edge thereof so as to overlie and retain any cigarettes placed parallel to and any cigarettes placed at right angles to one edge of said section.

2,271,036
CONTROLLER FOR FLUID PRESSURE CLUTCHES
Walter P. Schmitter, Wauwatosa, and Daniel M. Schwartz, Shorewood, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application November 27, 1939, Serial No. 306,226
4 Claims. (Cl. 192—87)



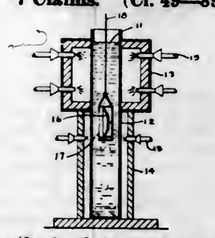
1. The combination with a rotary fluid pressure clutching device, of a control valve rotatable therewith and comprising two members one movable axially relative to the other, one of said members having a port communicating with a source of fluid pressure and a separate port communicating with said device, the other of said members having means for connecting said ports when said members are in one position relative to each other and to uncover said last named port to exhaust when in another position.

2,271,037
WRIST WATCH STRAP BUCKLE
Adolf O. Schoeninger, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application June 22, 1936, Serial No. 86,542
6 Claims. (Cl. 24—77)



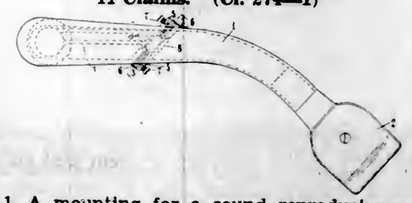
1. A separable clasp for an extension strap having two bands, comprising an adjustable buckle adapted to be slidably mounted on one band, and a snap element adapted to be secured to the second band, said snap element having a pivot pin and a releasable clamp connection hinged to said pin, and a second pin, and said adjustable buckle having spaced catch parts releasably engageable by said pins.

2,271,038
TEMPERING GLASS
William W. Shaver, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 23, 1940, Serial No. 320,499
7 Claims. (Cl. 49—89)



1. The method of tempering a glass article, which has been heated to a temperature near the softening temperature of the glass from which the article is made which includes rapidly chilling the article by passing it through a bath in which there is a temperature gradient which descends along the path of movement of the article.

2,271,039
PICKUP OR TONE ARM FOR PHONOGRAPHS AND THE LIKE
Herbert Vaughan Slade and Francis John Offen, Swindon, England, assignors to The Garrard Engineering and Manufacturing Company Limited, Swindon, England
Application May 17, 1941, Serial No. 393,878
In Great Britain May 31, 1940
11 Claims. (Cl. 274—1)

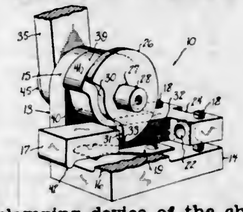


1. A mounting for a sound reproducing arm comprising low friction pivot parts, resilient means maintaining said pivot parts in co-acting pivotal relation and permitting relative displacement of the parts upon the application of excessive force to the bearing, and other bearing parts adapted to receive the bearing stresses upon the occurrence of such displacement.

2,271,040
MAGNETIC MATERIAL AND PROCESS OF MAKING THE SAME
Jacob Louis Snoek, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application May 1, 1940, Serial No. 332,845. In Germany April 11, 1939
1 Claim. (Cl. 148—12)

The process of producing a homogeneous magnetic material of substantially constant permeability and low hysteresis losses, comprising the steps of melting a nickel-iron alloy in the middle percentage and containing less than 0.01% phosphorus, adding about 0.2% to 0.5% of calcium to the alloy, cooling the alloy and forming a band of the alloy, cold-working the band without intermediate annealing to reduce its thickness at least of the order of 90%, heat-treating the band above the recrystallizing temperature, said cold-working and heat-treating bringing most of the crystals into substantially the same orientation and producing preferred directions of magnetization, and subsequently cold-working the band to internally stress the same and to suppress one of the preferred directions of magnetization.

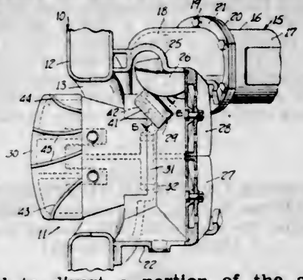
2,271,041
CLAMPING DEVICE
Felix J. Stuckert, Wauwatosa, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 13, 1940, Serial No. 329,485
9 Claims. (Cl. 90—60)



1. In a clamping device of the character described: a clamping lever; means for movably supporting the clamping lever in spaced relation to a work supporting surface; and a manually movable actuator for moving said clamping lever successively outwardly of its support across said surface and downwardly onto an article on the work supporting surface to clamp work thereto during movement of the actuator in one direction.

2,271,042
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application June 23, 1938, Serial No. 215,323
3 Claims. (Cl. 110—105.5)

3. In combination with a furnace having a grate and an upright wall provided with a firing opening, a stoker including a fuel feed conduit having a delivery opening adjacent said upright wall and at one side of the central longitudinal vertical plane of the firing opening, a pressure fluid distributor head adjacent the delivery end of said fuel feed conduit wholly at one side of said plane and adjacent a lateral extremity of said firing opening, said distributor head being arranged to issue blasts of pressure fluid from the said lateral extremity of the firing opening obliquely thereinto, means for urging fuel into the zone of action of the pressure fluid distributor head and means spaced forward and at one side of said distributor head constructed and



arranged to divert a portion of the obliquely projected fuel forwardly and laterally in the opposite direction.

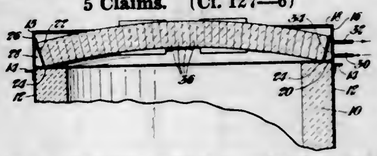
2,271,043
ISOMERIZATION OF HYDROCARBONS
Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 5, 1939, Serial No. 293,427. In the Netherlands September 16, 1938
9 Claims. (Cl. 260—676)

7. In a process for the isomerization of a saturated aliphatic hydrocarbon containing more than 3 and less than 6 carbon atoms with an aluminum halide catalyst, the step of executing the isomerization reaction under between 0.08 and 33 atmospheres pressure of hydrogen, the partial pressure of said hydrogen being sufficient to substantially repress undesirable side reactions, but insufficient to substantially repress the isomerization reaction.

2,271,044
LUBRICATING OIL
Albert A. Schilling, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application December 13, 1939, Serial No. 308,952
2 Claims. (Cl. 252—53)

1. A lubricant composition having metal surface corrosion inhibiting properties which includes a mineral oil, a mixture of 2:6-dimethyl phenol and 2:4:6-trimethyl phenol, and a mixture of mono- and di-lorol phosphates.

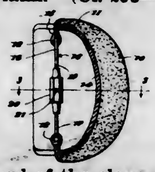
2,271,045
FURNACE ROOF CONSTRUCTION
Herman C. Schuler, Fair Oaks, Pa.
Application November 23, 1938, Serial No. 242,064
5 Claims. (Cl. 127—6)



1. In combination with a circular furnace having a dome shaped brick roof corresponding substantially to a portion of a sphere, a circular metallic structure for taking the lateral thrust of the roof comprising inner and outer walls, circu-

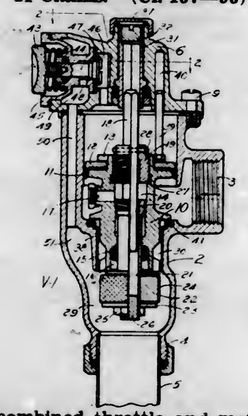
lar in plan, defining a closed annular chamber for the circulation of a cooling medium, inlet and outlet pipes connected therewith, said inner wall being inclined downwardly and inwardly so as to form a seat, and a lining seated thereagainst consisting of conventional stock size and shaped brick having approximately parallel radially extending faces, said outer wall having an inwardly extended lower flange and said inner wall being welded at its lower edge to said flange.

2,271,046
BUMPER GUARD OR BUMPERETTE
William R. Sing, Sacramento, Calif.
Application November 24, 1939, Serial No. 305,989
1 Claim. (Cl. 293—55)



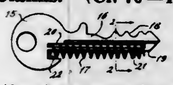
A bumper guard of the class described formed of resilient material and adapted to extend transversely across the face of a bumper, the guard having flexible end portions adapted to overhang the respective upper and lower edges of the bumper, tension means for drawing the flexible end portions together to tightly hold the bumper guard upon a bumper, the flexible end portions having transverse journals for receiving the tension means; said tension means comprising oppositely arranged threaded shank portions journaled within the journals, and a turnbuckle engaging the shank portions for drawing the same together, the shank portions being scored transversely adjacent their ends to provide portions to be broken off to decrease the length thereof without interfereing with the threaded portions.

2,271,047
VALVE
William E. Sloan, River Forest, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application March 4, 1937, Serial No. 128,931
11 Claims. (Cl. 137—93)



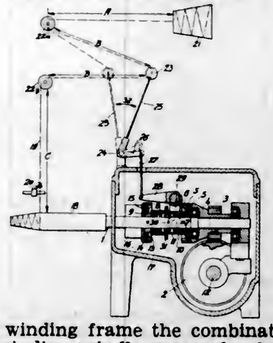
3. In a combined throttle and metering flush valve, means for adjusting the stroke of the flush valve, means for adjusting the effective amount of throttling, and a device for simultaneously driving both of said means to make an adjustment of each in the right direction to compensate for a variation of the supply pressure from a fixed standard.

2,271,048
SELF-EJECTING KEY
Walter Spiro, New York, N. Y.
Application March 18, 1940, Serial No. 324,548
10 Claims. (Cl. 70—414)



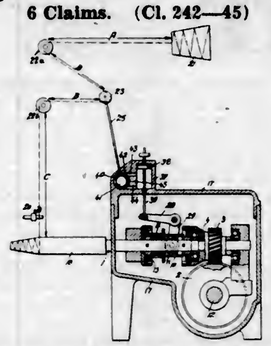
1. A self-ejecting key comprising a handle portion and a shank frontwardly extending therefrom, said shank having a tumbler engaging front edge and a back edge and being provided with a longitudinal passageway, and a lock engaging normally extended longitudinally resilient abutment means interlocking with said passageway, said abutment means extending along and projecting rearwardly of said back edge.

2,271,049
WINDING FRAME
Hans Treckmann and Carl-Georg Rosenkranz, Wuppertal, Germany, assignors to Messrs. Halstenbach & Co., Wuppertal - Wichlinghausen, Germany, a German partnership company
Application August 16, 1939, Serial No. 290,482
In Germany August 19, 1938
6 Claims. (Cl. 242—45)



1. In a winding frame the combination comprising a winding spindle, means for driving said spindle, a disc clutch included in the driving means, a second disc clutch for braking the spindle, a sleeve mounted on the spindle between the first clutch and second clutch, means for constantly urging the sleeve into engagement with the first clutch normally to maintain said first clutch effective, said sleeve being free of contact and spaced from the second clutch when in its normal position, such space between the sleeve and the second clutch allowing the sleeve to move away from and out of engagement with the first clutch before engaging the second clutch to make said second clutch effective when the sleeve is moved in a direction away from the first clutch, a pendulating yarn feeler having a part engaged by the yarn in advance of the spindle, an operative connection between the yarn feeler and the sleeve to move the sleeve into effective engagement with the second clutch when the yarn feeler swings in one direction caused by abnormal tension of the yarn upon the feeler, the operative connection between the yarn feeler and the sleeve comprising a bell crank lever supported adjacent to the sleeve, one arm of said bell crank lever being engaged with the sleeve, a rock arm movable with the pendulating yarn feeler, and a connecting rod engaged with the rock arm and the second arm of the bell crank lever.

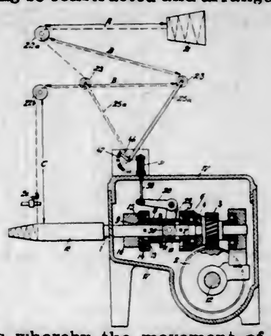
2,271,050
WINDING FRAME
Hans Treckmann, Wuppertal-Oberbarmen, and Carl-Georg Rosenkranz, Wuppertal-Barmen, Germany, assignors to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany, a German partnership company
Original application August 16, 1939, Serial No. 290,482. Divided and this application October 5, 1940, Serial No. 359,958. In Germany August 19, 1938
6 Claims. (Cl. 242—45)



1. In a winding frame the combination comprising a winding spindle, means for driving the said spindle, a disc clutch included in the said driving means, a second disc clutch for braking the said spindle, a shiftable member positioned between the said second clutch and the said first clutch, movement of the said shiftable member releasing one of the clutches and making the other effective, a pendulating yarn feeler within the path of the yarn, and an operative connection between the said yarn feeler and shiftable member common to the said two clutches, said connection being so constructed and arranged to provide means whereby the movement of the said shiftable member is controlled by the said yarn feeler, said means including an element adapted to be moved by a pressure agent and a rotary slide valve, the said slide valve being operatively connected to the said pendulating yarn feeler so that said feeler controls the action of the pressure agent on the said element.

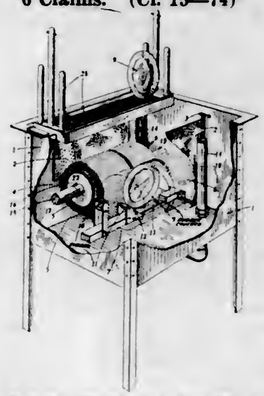
2,271,051
WINDING FRAME
Hans Treckmann, Wuppertal-Oberbarmen, and Carl-Georg Rosenkranz, Wuppertal-Barmen, Germany, assignors to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany, a German partnership company
Original application August 16, 1939, Serial No. 290,482. Divided and this application October 5, 1940, Serial No. 359,959. In Germany August 19, 1938
5 Claims. (Cl. 242—45)

1. In a winding frame, the combination comprising a winding spindle, means for driving the said spindle, a disc clutch included in the said driving means, a second disc clutch for braking the said spindle, a shiftable member positioned between the said second clutch and the said first clutch, movement of the said shiftable member releasing one of the clutches and making the other effective, a pendulating yarn feeler within the path of the yarn, an operative connection between the said yarn feeler and the shiftable member common to the said two clutches, said connection being so constructed and arranged to pro-



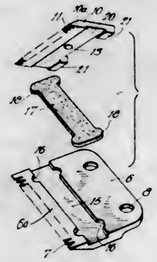
vide means whereby the movement of the said shiftable member is controlled by the said yarn feeler, said means including an electro-magnetic coil located in an electric circuit, an electromagnetic core operatively engaged with the shiftable member, and a regulable resistance in the circuit including the coil, said resistance being determined by the pendulating yarn feeler.

2,271,052
APPARATUS FOR WASHING OR CLEANING PLATES, DISHES, AND THE LIKE
Ernest Vernon Variey and Alfonso Fraulo, London, England
Application September 1, 1939, Serial No. 292,978
In Great Britain September 9, 1938
6 Claims. (Cl. 15—74)



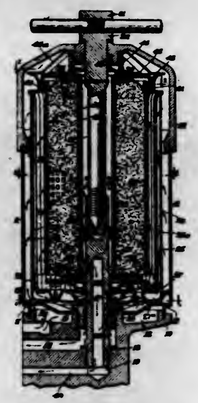
1. In or for use in apparatus for washing or cleaning plates, dishes and the like, a washing or cleaning unit comprising at least two pairs of rotary brushes, said brushes being arranged as two opposing groups, each group having two brushes in co-axial alignment, driving means for said brushes such that the brushes in each pair turn in opposite directions both in relation to each other and to the corresponding brushes in the next pair and means for utilising the opposing movements of one pair of opposing brushes to displace the article engaged therebetween to a position where it also becomes engaged between the next pair of opposing brushes.

2,271,053
LUBRICATION OF BLADES IN HAIR CLIPPERS
Leo J. Wahl, Sterling, Ill., assignor to Wahl Clipper Corporation, Sterling, Ill., a corporation of Illinois
Application June 21, 1940, Serial No. 341,636
5 Claims. (Cl. 30—224)



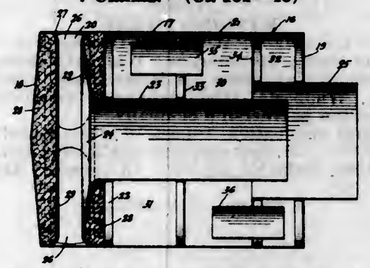
2. In a hair clipper, a comb blade, a reciprocating cutter blade bearing thereon, said comb blade having a recess in the surface thereof extending across the direction of reciprocation of said cutter blade, and an oil saturated material seated in said recess.

2,271,054
FILTER
Lewis W. Williams, Short Hills, N. J., assignor to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware
Application December 1, 1939, Serial No. 307,073
9 Claims. (Cl. 210—131)



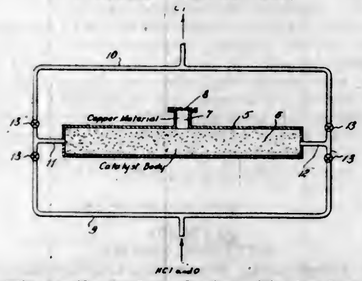
1. An oil filter comprising a casing, a cylindrical filtering element in said casing, a supporting cylinder surrounded by said filtering element and formed to provide longitudinal channels open at one end, a chamber communicating with the open ends of said channels, an outlet for said chamber, an inlet passageway to the interior of said cylinder from the interior of said casing, a body of absorbent filtering material within said cylinder, an outlet from the interior of said cylinder, and means requiring all oil flowing from said inlet passageway to said outlet to pass through said body of filtering material.

2,271,055
COMPOUND RESONANCE UNIT
Ernest E. Wilson, near Milford, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application January 30, 1933, Serial No. 654,296. Divided and this application June 27, 1939, Serial No. 281,439
7 Claims. (Cl. 181—48)



1. In a silencer, a tubular member, another tubular member which encircles and is radially spaced from a portion of the first-specified tubular member and defines with it a duct through which gases travel and into which sound waves enter, a shell which encircles the duct and with it defines a substantially blind compartment, and partitions which encircle, respectively, the second-specified tubular member and the first-specified tubular member but not the second-specified tubular member and subdivide the compartment lengthwise into three chambers of which the intermediate chamber communicates with the duct as a side branch through the aperture between the tubular members and the end chambers communicate with the intermediate chamber independently of the duct and each other.

2,271,056
OXIDATION OF HYDROGEN CHLORIDE
Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 27, 1939, Serial No. 286,853
4 Claims. (Cl. 23—219)



1. The method of producing chlorine by oxidation of hydrogen chloride which comprises disposing in a catalyst chamber an extended catalyst body comprising a support and at least one compound of a metal of the group consisting of uranium and the metals of the rare earth group, which compound is not vaporizable during the oxidation reaction, heating the catalyst body to an elevated temperature, establishing a flow of a mixture of hydrogen chloride and oxygen lengthwise through the extended catalyst body, introducing, independently of the mixture of hydrogen chloride and oxygen, a vaporizable copper material from a source external of the reaction zone into the extended catalyst body at a central portion thereof and intermediate the point of introduction of the mixture of hydrogen chloride and oxygen and the point of exit of the reaction product, permitting the copper material to disseminate through the catalyst body, and thereafter causing the flow of hydrogen chloride and oxygen to pass alternately in opposite directions through said catalyst body.

2,271,057
RETRACTILE CONDUCTOR CORD AND METHOD OF MAKING SUCH A CORD
William T. Barrans, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1939, Serial No. 273,174
3 Claims. (Cl. 174—69)



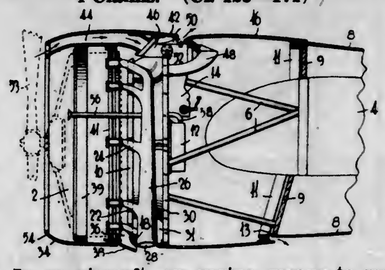
3. A method of making a retractile cord which comprises coating a conductor with thermoreactive material, forming the coated cord into retractile form, setting said thermoreactive material in the form of a helix, and drawing one end of the cord through the helix to invert the cord.

2,271,058
METHOD OF MAKING RUBBER CUSHION MATERIAL
William Binns, Bradford, England, assignor of one-half to Bintex, Limited, Leeds, Yorkshire, England, a company of Great Britain
Application September 27, 1938, Serial No. 231,974
In Great Britain September 28, 1937
2 Claims. (Cl. 18—59)



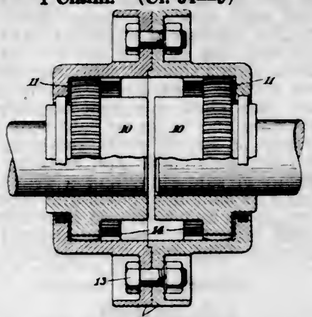
1. Process for the manufacture of rubber cushioning material which comprises applying a textile web to a moving conveyor band with a corrugated surface, pressing said textile web into the corrugations of said surface whereby the textile web is correspondingly corrugated, applying a latex foam to said textile web while it is on the band in a quantity more than sufficient to fill the corrugations of said textile web, passing the coated web under a member which levels the upper surface of the latex foam, and then passing said coated textile while it is still on the band and corrugated through a heated chamber to coagulate the latex foam.

2,271,059
AIRCRAFT CONSTRUCTION
Berthoud C. Boulton, Towson, and Clifford E. Roberts, Joppa, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application April 21, 1938, Serial No. 203,370
4 Claims. (Cl. 123—171)



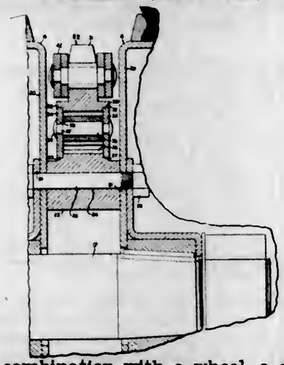
4. In an aircraft, an engine, means to mount the engine on an aircraft, a hood surrounding the engine and terminating adjacent the plane of the rear end of the engine cylinders, a cowl behind the hood, said cowl and hood providing a space therebetween, accessories for the engine within said cowl, and means closing off the interior of said cowl from the interior of said hood.

2,271,060
OILTIGHT SEAL FOR FLEXIBLE COUPLINGS
Lynn B. Case, New Brunswick, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application May 7, 1940, Serial No. 333,757
1 Claim. (Cl. 64—9)



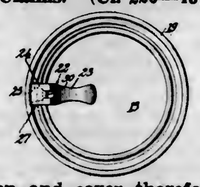
In a gear-type flexible coupling comprising a driving shaft, a driven shaft in substantial axial alignment with said driivng shaft and a coupler housing transmitting torque from one shaft to another, said housing and shafts having opposed circular faces and one of said faces having a groove, a resilient gasket in said groove, said gasket having a portion provided with parallel side walls snugly fitting the side walls of the groove at the bottom thereof and normally immovable thereon, said gasket having another portion out of contact with the side walls of the groove and having parallel side walls and a surface in oiltight contact with the circular face opposite said groove and immovable thereon in normal operation of the coupling, and said gasket and the side walls of said groove having annular recesses between them intermediate said first and second named portions of the gasket, whereby the intermediate portion of the gasket is unrestrained but enclosed in said groove and whereby the gasket is capable of change of cross section within said groove when subjected to change of pressure.

2,271,061
TRUCK DRIVE
Cirilo C. Castillo, Los Angeles, Calif.
Application August 5, 1940, Serial No. 351,531
2 Claims. (Cl. 74—312)



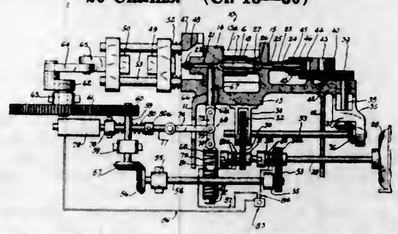
1. In combination with a wheel, a differential device, said device including a cylindrical body secured to said wheel and adapted to rotate about the axis of said wheel, said body having spaced planar ends, said ends being parallel, an enlarged annular shoulder adjacent each side of said body, said shoulders being spaced from said planar ends, said body including an outwardly extending peripheral gear toothed portion between said shoulders, the base circle of said gear toothed portion being of substantially greater diameter than the diameter of said annuar shoulders, an annular sprocket ring surrounding said body and spaced therefrom, said ring having outwardly extending sprocket teeth thereon, said ring on each side thereof having a peripheral recess therein, said ring between said recesses having inwardly extending gear teeth thereon, side plate members positiond in said ring recesses and engaging said body shoulders, a plurality of spaced gears rotatably mounted between said side plates and meshing with said gear teeth of said ring, and a gear associated with each of said first gears and meshing with said first gears and with said gear teeth on said body, and means to rotatably support said second gears on said side plate members.

2,271,062
FRICTION TOP CAN
Nicholas P. Courtney, Englewood, N. J.
Application August 26, 1938, Serial No. 226,848
2 Claims. (Cl. 220—43)



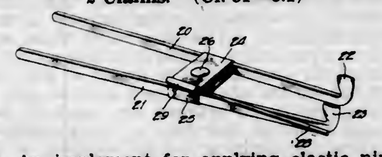
1. A can top and cover therefor comprising a top member having its outer periphery seamed to the top edge of the can body, said member being depressed inwardly with respect to said seam and having an inturned portion on its inner periphery defining an opening, a cover for said opening having a plug portion frictionally engaged in said opening and a peripheral flange extending outwardly from the plug portion a distance to substantially cover the top member when the cover is in operative position, and a radially positioned lever opener permanently fastened to said cover; the said flange having a cut-away portion having its inner limit extending substantially parallel to and adjacent the heel of said flange and a channel-shaped bead extending between and substantially parallel to and adjacent said heel and said inner limit of the cut-away portion; and the said opener comprising an elongated prying implement formed in one piece, the inner end portion of said implement functioning as a handle and the outer end portion thereof being reversely bent, forming a convexly curved end extension having its free end terminating under said bead and slightly inwardly thereof, the lower surface of said curved portion being positioned in operative contact with said depressed top, said prying implement having an intermediate portion struck therefrom forming a tongue adapted to engage the other side of said bead to prevent detachment of the implement from the bead but permitting said implement to be pivoted about said bead in a radial plane whereby to cause the said extension to bear downwardly upon the can top and said opener to bear upwardly upon the cover, at the point of attachment thereto, to open the can.

2,271,063
APPARATUS AND METHOD FOR THE MOLDING OF PLASTIC MATERIALS
Peter De Mattia, Passaic, N. J.
Application March 17, 1939, Serial No. 262,375
20 Claims. (Cl. 18—30)



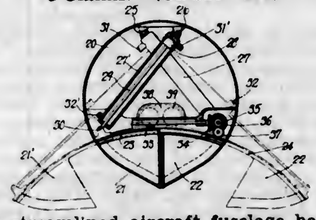
8. A molding apparatus including molding means comprising an openable die, a pressure means for feeding molding material to the die, the latter and the molding means being movable into and out of communication with each other, a reservoir chamber communicating with the molding means, a piston in the reservoir chamber, a spring, a collapsible-expandible means between the spring and the piston such that the spring causes an advance stroke of the piston with the collapsible-expandible means being in expanded position, and actuator means cooperating with the spring and with the collapsible-expandible means for moving the collapsible-expandible means to collapsed or to expanded position, to collapse the same for retracting the piston and to expand the same for advancing the piston and to adapt the piston to be further advanced by the spring, and the piston being subject to the pressure in the reservoir chamber to retract against the force of the spring and independently of the actuator means with the latter idle in its piston advancing position, said actuator means causing retraction of the piston prior to opening of the die and causing advance of the piston upon closing of the die, and the spring permitting the piston to yieldably retract under reservoir pressure and causing the piston to advance to supply a follow-up feed of molding material to the die prior to retraction of the piston by the actuator means.

2,271,064
NIPPLE-APPLYING TOOL
Edward A. Dolph, Newburgh, N. Y.
Application April 6, 1939, Serial No. 266,264
2 Claims. (Cl. 81—5.1)



1. An implement for applying elastic nipples to nursing bottles, comprising a pair of tong members pivotally connected at an intermediate point and provided at one end with nipple-expanding fingers projecting upward from the plane of the tong members to internally engage the nipple and transversely expand it upon actuating the tong members on their pivotal axis, and an outer abutment member rigidly mounted with respect to one of said tong members and extending into the outward path of the nipple-expanding finger on the other of said tong members to grip the nipple wall between said nipple-expanding finger and said abutment member while the nipple is held expanded by the said fingers.

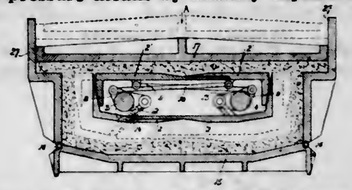
2,271,065
FUSELAGE FOR HYDROAIRCRAFT
Claudius Dornier, Jr., Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H. and one-half to Claude Dornier, senior, both of Friedrichshafen-on-the-Bodensee, Germany
Application January 10, 1939, Serial No. 250,150
In Germany January 28, 1938
3 Claims. (Cl. 244—106)



1. A streamlined aircraft fuselage body comprising an upper part, a float member which is split into two halves, the cross sectional configuration of one half being the reflected image of that of the other half, downwardly curved guide and support members connected with said upper part and extending substantially transverse to the direction of flight, corresponding guide means individually connected with said halves and movably engaging said guide members, moving means connected with said upper part and with both said halves and simultaneously moving said halves in opposite directions along said guide members, said halves, when in innermost position, being adjacent to and below said upper part and forming together a bottom part of said fuselage and, when outwardly moved along said guide members, forming floats supporting and stabilizing said upper part.

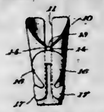
2,271,066
PROCESS OF MANUFACTURING HOLLOW BODIES
Viktor Ehrenhaft, Brunn, Czechoslovakia
Application April 21, 1939, Serial No. 269,078
In Czechoslovakia April 23, 1938
5 Claims. (Cl. 18—55)

1. A process of manufacturing hollow bodies from porous material containing a binding agent, which consists in placing such material into a mold provided with pressure means therewithin, subjecting said material to pressures from said inner pressure means by slidably expanding the



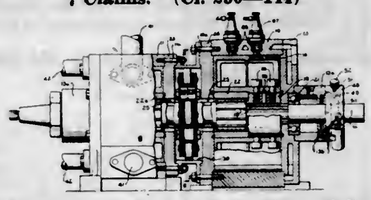
inner pressure means, replacing said inner pressure means by a core filling the hollow space formed by said inner pressure means, during withdrawal of said inner pressure means from said mold, and allowing said material to dry while said core is therewithin.

2,271,067
KNOTTER FOR NECKTIES
José Fruns, Mexico City, Mexico
Application May 9, 1941, Serial No. 392,821
In Mexico October 4, 1940
3 Claims. (Cl. 2—153)



1. A device for making a necktie knot comprising a hollow conical body formed of resilient material having a longitudinal slot extending from end to end thereof, and a hinged leaf on the body diametrically opposite the slot adapted to clamp a portion of a necktie wrapped upon the body against the body.

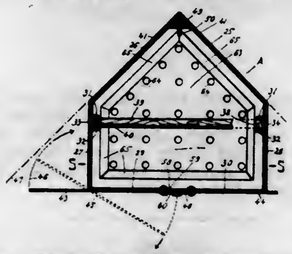
2,271,068
ENGINE
Cummings Gardner, Los Angeles, Calif., assignor to Rotomotor Corporation, Washington, D. C., a corporation of Delaware
Original application March 25, 1933, Serial No. 662,702. Divided and this application January 18, 1939, Serial No. 251,485
7 Claims. (Cl. 230—144)



1. In a power plant, a pair of coaxially disposed cylinders, a power shaft extending through said cylinders, pistons in each of the cylinders rigidly connected to said shaft, a sleeve surrounding said shaft in each cylinder and projecting therefrom, pistons rigidly connected to each of said sleeves, said second-named pistons being adapted for limited angular movement with respect to the first-named pistons, and means for controlling the relative movement between the pistons including arms connected to said sleeves, means rigidly interconnecting said arms, a pair of arms rigidly connected to said power shaft, the arms of said pair being on

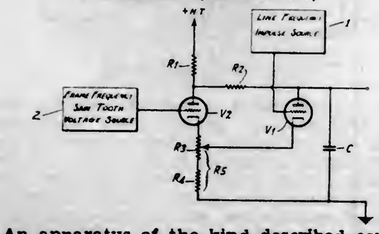
opposite sides of the axis of rotation of said shaft, and means for pivotally connecting said interconnected arms to said pair of arms.

2,271,069
SCREEN WARDROBE
Phillip S. Goldrich, New York, N. Y.
Application January 21, 1941, Serial No. 375,178
2 Claims. (Cl. 312—142)



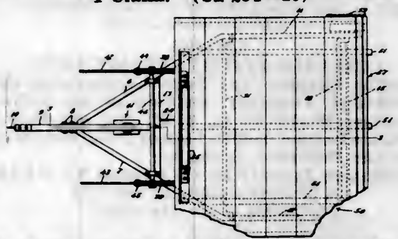
1. In a wardrobe of the character described, a pair of screens of equal width attached to a pair of front swingable walls, one of said front walls being wider than the other, said swingable walls being connected to a pair of side walls, said side walls being connected to rear walls, said screens being wider than said front walls, a base member and top member for said wardrobe, each having a marginal flange all around of the same thickness as said front walls and attached to said side and rear walls, each of said side walls being doubled upon itself to provide vertically extending channels, vertical wood strips within said channels, a wood cross strip resting upon said vertical wood strips, the upper and lower edges of said front walls fitting snugly against the lower edge of the marginal flange of said top member and the upper edge of the marginal flange of said base member, the vertical central edge of one of said screens stopping against the vertical central edge of the wider of said swingable front walls, whereby virtually a sealed wardrobe is obtained.

2,271,070
DEFLECTING CIRCUIT FOR CATHODE RAY TUBES
Alexis René Grenfell, Stanmore, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application June 4, 1940, Serial No. 338,700
In Great Britain June 6, 1939
1 Claim. (Cl. 178—7.7)



An apparatus of the kind described comprising an electron tube having a cathode, a control electrode and an anode, means including a resistance for connecting the cathode of said electron tube to a point of fixed potential, means including a load resistance for maintaining the anode positive with respect to the cathode, means for applying voltage variations of saw-tooth wave form and of a predetermined frequency between the control electrode and the cathode of said electron tube, an electron discharge device comprising a cathode, a control electrode and an anode, means for connecting the cathode of said electron discharge device to a point along said first named resistance, means including a further resistance for connecting the anode of said discharge tube to the anode of said electron tube, a condenser connected between the anode of said discharge tube and said point of fixed potential, and means for applying control impulses to the control electrode of said electron discharge device, the frequency of said control impulses being large as compared to the frequency of the voltage variations of saw-tooth wave form, whereby amplitude modulated voltage variations of saw-tooth wave form may be developed across said condenser.

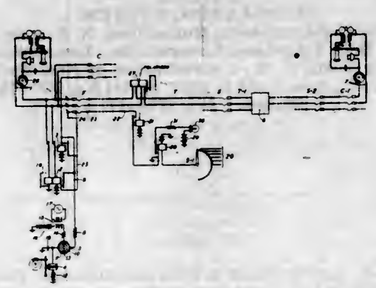
2,271,071
CARRIER
Paul V. Haber, Rushville, Ill.
Application February 19, 1941, Serial No. 379,654
1 Claim. (Cl. 254—10)



A carrier of the type described comprising a frame including a pair of longitudinal frame members having their rear ends disposed in parallel relation and converging toward their front ends from a point intermediate the front and rear ends of the frame, a transverse frame member intermediate the front and rear portions of the converging ends of the frame members, a drawbar connected at an intermediate point to the front converging ends of the frame members and said drawbar also connected at its rear end to said transverse frame member, a forward crank and a rearward crank rotatably mounted transversely on the parallel rear end of the frame, said cranks being arranged with their throws in vertical position, a platform secured to said throws for movement therewith, links connecting the cranks, a transverse shaft mounted on the frame adjacent its front end, levers secured to said shaft, links connecting the levers to the front crank for actuation thereof and spring means urging the cranks toward a forward position.

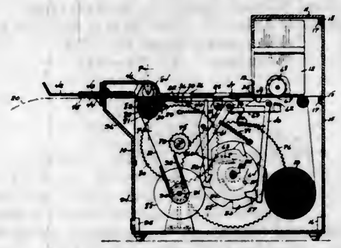
2,271,072
TELEPHONE SYSTEM
Clair W. Halligan, New York, and William H. T. Holden, Long Island City, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1939, Serial No. 259,078
8 Claims. (Cl. 179—7.1)

6. The combination in a telephone system of a line having talking conductors and a control conductor, a discharge device having a control electrode and a main discharge gap, a cut-off relay connected to said control conductor, an operating circuit for said device including said main discharge gap and excluding said control conductor, a source of current in said operating circuit, a source of potential and means for applying the same to said control conductor to operate said relay, said source being insufficient to cause the discharge of said device, a second source of potential, means for substituting said



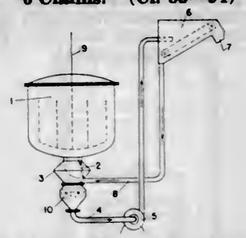
second source for said first source of potential to hold said relay operated and to raise the potential of said control electrode sufficiently to cause discharge current to flow from said source in the operating circuit across said main discharge gap, and a message register in said operating circuit responsive to the flow of current therein.

2,271,073
INSURANCE VENDOR
Charles F. Harris, Fayetteville, N. C., assignor of one-half to A. E. Dixon, R. M. Olive, and C. E. Rankin, Fayetteville, N. C.
Application March 2, 1938, Serial No. 193,591
7 Claims. (Cl. 101—288)



1. In a machine having a casing and means for supporting a web, said casing having a sight opening therein, a main shaft supported in said casing and a cam comprising a plurality of cam surfaces mounted on said shaft and adapted to be driven thereby, a spring closed shield slidably mounted in the casing and normally closing said sight opening therein, latching means for detachably locking the shield in open position exposing the web through said sight opening, a lever connected to said latching means and actuated by one of the cam surfaces of said cam for releasing the shield on partial rotation of the shaft, a latch for locking said cam against movement by engaging another cam surface of said cam, and means on said shield adapted to disengage said latch from locking engagement with said cam when said shield is moved to open position.

2,271,074
REMOVAL OF CELLULOSE ESTERS FROM PRECIPITATION VESSELS
Rudolf Hofmann and Hans Mank, Dormagen, Germany, assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1939, Serial No. 263,462
In Germany March 24, 1938
6 Claims. (Cl. 83—94)



1. A method for the recovery of pieces or lumps of solid, precipitated cellulose organic ester from a precipitation vessel in which they are associated with a relatively small volume of valuable, non-solvent liquid containing a solvent and a non-solvent for the ester which comprises continuously flowing a suspension of the precipitated cellulose ester in the said liquid from the lower portion of the vessel to and between rotating crushing rolls whereby large lumps of ester in the liquid are reduced, further flowing the suspension to a separator, therein continuously straining the ester from the liquid, and continuously returning the strained liquid to the vessel to maintain the liquid therein substantially constant and sufficient to allow the precipitated ester in the vessel to be discharged with the liquid.

2,271,075
CONNECTING DEVICE
Joseph I. Hulshizer, Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1940, Serial No. 352,849
3 Claims. (Cl. 287—53)

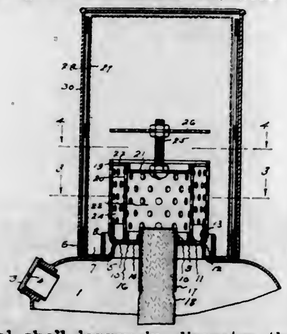


1. Apparatus of the character described, comprising a male member having a rib extending longitudinally thereof, an inclined surface on the rib inclining longitudinally of the member, and a female member having a slot to permit the passage of the rib therethrough and having an inclined surface to engage the first mentioned inclined surface upon relative rotational movement of the members for holding the members together.

2,271,076
PORTABLE OIL HEATER
Julius H. Hupfer, Glastonbury, Conn., assignor to Bunsen Incorporated, Hartford, Conn., a corporation of Connecticut
Application October 11, 1940, Serial No. 360,783
5 Claims. (Cl. 126—96)

1. A heater which comprises a reservoir with

a central opening through the top, a burner head with annularly positioned perforations located in said reservoir opening, a wick tube with an imperforate side wall supported by and extending through said head, a cylindrical shell larger in diameter than the wick tube supported by said head and extending upward higher than the wick tube, said shell having a perforated side wall, a closed upper end and an open lower end encircling a portion of the annularly positioned perforations through said head and providing a vaporizing chamber above the wick tube, a cy-



lindrical shell larger in diameter than, spaced from and encircling the vaporizing chamber shell and extending upward higher than the wick tube, said larger shell having a perforated side wall, an open upper end and an open bottom end encircling a portion of the annularly positioned perforations through said head and providing a combustion chamber that is open at top and bottom about the vaporizing chamber, a fine mesh screen resting upon the top of the reservoir, spaced from and enclosing said shells and burner head, and a metal grill surrounding said screen.

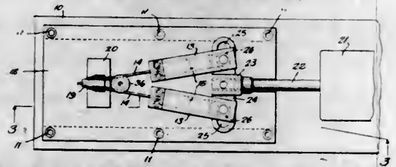
2,271,077

ELECTRIC PLUG ASSEMBLING MACHINE

Carl H. Judisch, New Haven, Conn., assignor to The Whitney Blake Company, New Haven, Conn., a corporation of Connecticut

Application June 17, 1940, Serial No. 340,951

6 Claims. (Cl. 29—84)



1. An assembling mechanism comprising a support; means on said support for holding a connector plug of resilient material having a pair of converging passageways therethrough; a yoke mounted transversely of said support and provided with a pair of slots extending longitudinally thereof; a pair of arms; a roller carried by each arm and received within each slot; a guide carried by each arm, each guide disposed within one of a pair of angularly disposed slots formed in said support, the extensions of the medial lines of said slots being coincident with the converging passageways of said plug; means for moving said yoke longitudinally of said support, movement of said yoke causing said arms to move in paths of movement defined by said last-named slots and through said converging passageways; and means formed at the free ends of said arms to receive contact prongs after said free ends pass through said plug, said yoke moving means moving said yoke to cause said arms to withdraw from said passageways to pull the prongs into said passageways and partially through said plug.

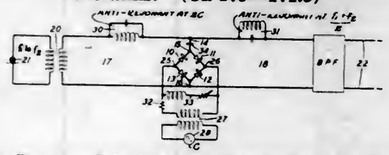
2,271,078

MODULATING SYSTEM

Walter F. Kannenberg, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 5, 1939, Serial No. 266,043

8 Claims. (Cl. 179—171.5)



1. In a modulating system comprising a source of modulating frequency waves, an input circuit selective to the modulating waves, a load circuit selective to desired modulated waves, a plurality of non-linear resistance elements arranged in the form of a bridge which has one diagonal connected to the modulating input and load circuits, and a source of carrier frequency waves connected to the other diagonal of the bridge so that the modulating and carrier waves are combined in the desired modulated waves; means comprising a capacity connected in the bridge diagonal to which the modulating input and load circuits are connected to interrupt a direct current path to both latter circuits to balance the bridge against a leak of unmodulated carrier waves into the load circuit.

2,271,079

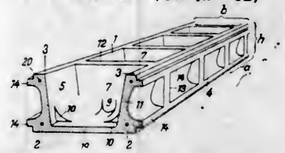
STRUCTURAL ELEMENT

Karl Kieser, Zollikon, Switzerland

Application June 14, 1939, Serial No. 279,221

In Germany June 16, 1937

8 Claims. (Cl. 72—61)



3. Structural element consisting of a box-girder like structure of greater width than depth with middle coffers in one broad side, and side coffers in both narrow sides of the element, said side coffers and middle coffers being of equal dimensions measured longitudinally of the element.

2,271,080

DRAFT GEAR

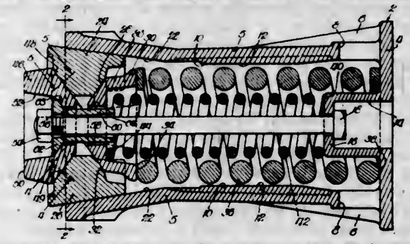
Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application November 9, 1938, Serial No. 239,637

16 Claims. (Cl. 213—32)

1. In a friction absorbing device, a housing having a flaring open end, V-shaped friction surfaces at opposite sides of said flaring end, a compression spring, a pair of diametrically opposed friction shoes seated against said friction faces and having surfaces complementary therewith, inner and outer followers having aligned

central openings, aligning means therefor, and a retaining bolt, each of said followers abutting said shoes along surfaces diagonally arranged with respect to the axis of said device, one of said diagonally arranged surfaces at each side



of said gear being in the form of a flat plane and the other of said diagonally arranged surfaces on said side being of wedge-like formation, said wedge-like formation occurring at the outer end of one shoe and at the inner end of the other shoe.

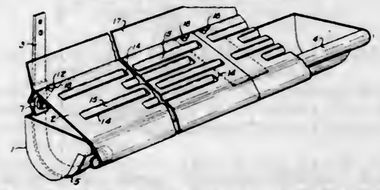
2,271,081

EAVES TROUGH AND COVER

Peter N. Layton, Fishkill, N. Y.

Application January 2, 1941, Serial No. 372,931

8 Claims. (Cl. 108—30)



1. In combination, a hanger adapted to be secured to a roof, or the like, an eaves trough disposed on the hanger, a releasable member having a portion engaging the inner portion of the trough to the said hanger, a pin on the releasable member, and a cover detachably engaged with said pin and extending over the trough.

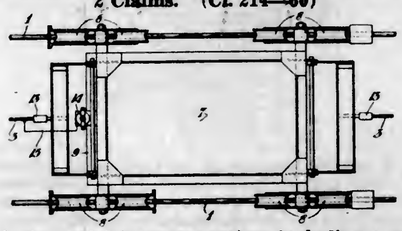
2,271,082

AERIAL BUCKET TRAMWAY

Elmer J. Lloyd, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application July 11, 1940, Serial No. 344,979

2 Claims. (Cl. 214—60)



1. An aerial tramway system including a metal aerial track, a traveling bucket riding said track with a dumping door having a releasable catch provided with an electrically powered control device, a metal traction rope for moving said bucket along said track, the latter and said rope being electrically insulated from each other, means for electrically connecting said device with said track and said rope as said bucket is moved by the latter, and means for establishing an electric circuit through said track, said device and said rope to control dumping of said bucket.

2,271,083

HYDROGENATION OF SUGARS OF TWO TO FOUR CARBON ATOMS

Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 18, 1939, Serial No. 305,177

14 Claims. (Cl. 260—635)

1. A method for the preparation of polyhydric alcohols of 2 to 4 carbon atoms, which comprises submitting to hydrogenation sugars of 2 to 4 carbon atoms dissolved in a substantially anhydrous solvent therefor until hydrogen absorption nearly stops and further submitting to hydrogenation the resulting partially converted product dissolved in a solvent containing substantial quantities of water on the basis of the partially converted product, the remaining constituents of the solvent being essentially non-reactive with the partially converted product.

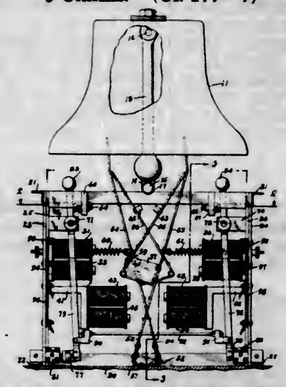
2,271,084

BELL RINGING MECHANISM

Louis Lasowsky, Brooklyn, N. Y.

Application September 22, 1937, Serial No. 165,041

9 Claims. (Cl. 177—7)



1. In a device of the class described, in combination, a bell having a clapper, a pair of rollers extending from said clapper and being on opposite sides thereof in a plane substantially perpendicular to the plane of oscillation of said clapper, means cooperating with each said roller to move the clapper, said two means serving to move said clapper in opposite directions, and electromagnetic means to alternately actuate said clapper moving means.

2,271,085

END CONNECTOR DEVICE

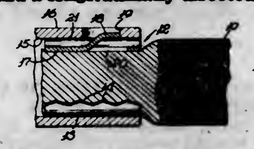
Fred M. Lund and John H. Lund, Chicago, Ill.

Application February 14, 1940, Serial No. 318,838

3 Claims. (Cl. 24—230)

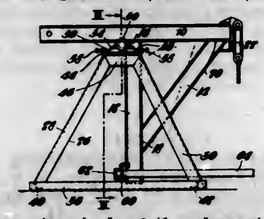
1. In an end connector device of the character described, the combination of a generally U-shaped member adapted to receive therein the compressed end portion of a resilient cord, said member including longitudinal marginal portions each bent into edgewise engagement with the cord, spaced longitudinally extending ribs on the

side of said member opposite to said marginal portion, and a longitudinally directed tongue pro-



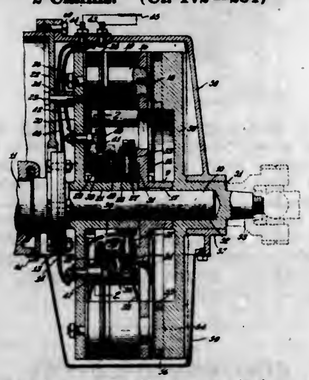
jecting outwardly between and beyond the plane of the outer surfaces of said ribs.

2,271,086
PUMPING JACK
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application July 27, 1939, Serial No. 286,900
8 Claims. (Cl. 74—41)



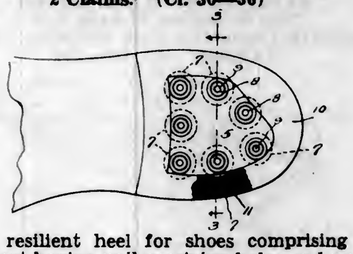
1. A pumping jack of the character described comprising a unitary base having a U-shaped top plate secured thereto, a walking beam having integrated therewith a V-assembly consisting of an arm perpendicular therewith and a strut inclined thereto, bearings supported on the plate, and a trunnion formed as an integral part of the walking beam mounted in said bearing.

2,271,087
ELECTROMAGNETIC TRANSMISSION
Howard K. Maier, Mansfield, Ohio
Application November 4, 1940, Serial No. 364,298
2 Claims. (Cl. 172—284)



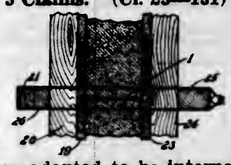
1. An electro-magnetic transmission comprising, a driving shaft adapted to be connected to an engine shaft, an annular series of rotary field electro-magnets fixed to the driving shaft, said annular series being concentric with the shaft and the magnets extending longitudinally of the shaft, pole pieces on both ends of the magnets forming spaced annular series of pole pieces, the magnets being wound to provide adjacent pole pieces of opposite polarity on each annular series of pole pieces, a stationary direct current disk armature disposed coaxial with the magnets, armature magnets on the disk armature confronting the annular series of the pole pieces on one end of the field magnets, a hub on said disk armature through which the driving shaft loosely projects, a stationary commutator on the hub electrically connected to the armature magnets, rotating brushes carried as a unit with the field magnets engaging the commutator and electrically connected to the field magnets, a rheostat connected in series with the field magnets, a squirrel cage rotor confronting the annular series of pole pieces on the other end of the field magnets, a hub on the rotor forming a bearing for the free end of the driving shaft, a driven shaft connected to the rotor hub for rotation as a unit with the rotor, and a housing adapted to be fixed to the engine and having a hub forming a bearing for the rotor hub.

2,271,088
RUBBER HEEL
Francis B. Melley, Boston, Mass., assignor to Bessie MacEachern, Somerville, Mass.
Application March 17, 1941, Serial No. 383,834
2 Claims. (Cl. 36—36)



1. A resilient heel for shoes comprising an inner part having nail-receiving holes and washers embedded therein along the edges of the same with their apertures alined with said holes and with outer portions of the same projecting outwardly beyond the edges of said inner part, and an outer wearing part removably fitted about said inner part and having grooves in the inner edges thereof adapted to receive the projecting portions of said washers to removably retain said outer or wearing part in position upon said inner part.

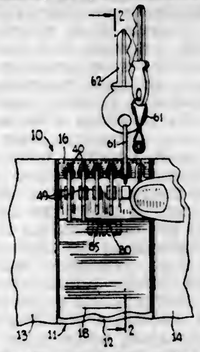
2,271,089
SPACER FOR FORM BOARDS
Herman P. Neptune, Los Angeles, Calif.
Application January 27, 1939, Serial No. 253,107
5 Claims. (Cl. 25—131)



1. A spacer adapted to be interposed between two form boards, including a rod, a cross piece provided with a pair of spaced apart outstanding tines carried on one end of said rod, and a cross-piece at the opposite end of said rod.

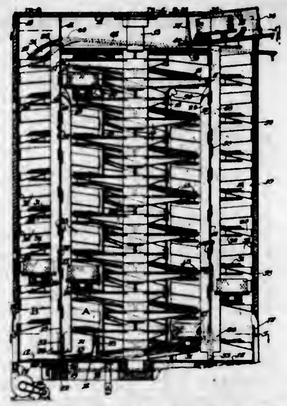
2,271,090
KEY HOLDER
Isidor Newman, New York, N. Y.
Application August 9, 1940, Serial No. 351,955
23 Claims. (Cl. 70—456)

1. A key holder comprising a member, a plurality of key receiving loops, each separately removably mounted on said member, means to individually releasably positively lock each key receiving loop on said first member and means depressible manually only independently of the key



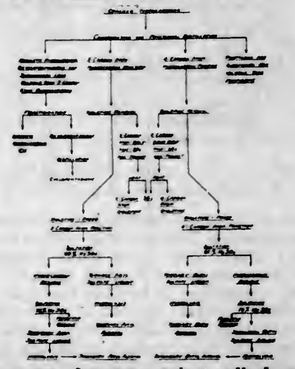
receiving loops, to separately release each of said loops, whereby when said loops are locked on said member, the keys thereon may be swung out of the holder and used without detaching the loops from said member, and said loops may be separately released from said member with the keys thereon.

2,271,091
METHOD AND APPARATUS FOR HEAT TREATING AND SINTERING
Joseph S. Pecker and Henry A. Simpson, Philadelphia, Pa., assignors to Machine and Tool Designing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1940, Serial No. 341,830
7 Claims. (Cl. 75—22)



7. The method of sintering metal powder units, which consists in the following steps, introducing the units into the top of an elongated vertically extending closed space, causing the downward movement of the units from the top to the bottom of said space, supplying heat to said space to form independently controlled zones of temperature, utilizing portions of the heat supplied to a plurality of zones, in maintaining a maximum temperature in the topmost part of the zone into which the material initially enters, then transferring the units into the bottom of a second enclosed space, causing the movement of the units from the bottom to the top of said second enclosed space, and providing successive independently controlled temperature zones in said second space, whereby the units will be delivered at the top of the said second enclosed space at the required temperature.

2,271,092
PROCESS FOR PREPARING ALKYL SULPHATE LIQUORS
Granville A. Perkins, South Charleston, and John A. Davies, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application April 24, 1931, Serial No. 532,678
14 Claims. (Cl. 260—460)



1. A process for preparing alkyl sulphate liquors from cracked hydrocarbon mixtures which includes the steps of separating from said mixture at least one fraction which is substantially free from hydrocarbons having less than four carbon atoms, treating said fraction to remove diolefines without lessening the olefine content of said fraction, said diolefines being removed in a form from which they are easily recoverable, treating the diolefine-freed material with about 45% to 65% sulphuric acid to form a tertiary-alkyl sulphate liquor and treating the hydrocarbon residue from said treatment with about 70% to 95% sulphuric acid to form a secondary-alkyl sulphate liquor.

13. Process of treating olefines in a mixture of hydrocarbons containing mono and diolefines, which comprises separating a fraction, the olefine content of which consists predominantly of butadiene and butene, selectively removing unpolymerized butadiene from said fraction, thereby forming a remanent fraction containing free butene and thereafter sulphating the butene in said remanent fraction.

2,271,093
HIGH MOLECULAR WEIGHT SUBSTANCE
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Application July 6, 1938, Serial No. 217,814. In Germany July 21, 1937
10 Claims. (Cl. 196—78)

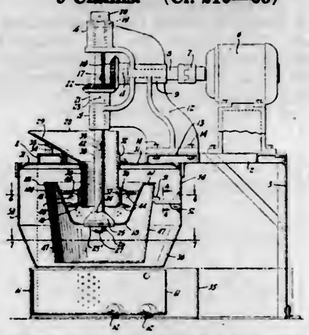
1. The process of producing a high molecular weight substance which comprises reacting a halogen derivative of a hydrocarbon selected from the class consisting of aromatic hydrocarbons and saturated aliphatic hydrocarbons with an unsaturated aromatic compound which contains an olefinic linkage and which is capable with the aid of an acid-reacting inorganic halide of being polymerized to a product having a molecular weight of at least 600.

2,271,094

METHOD AND APPARATUS FOR COATING MATERIALS AND ARTICLES

Henry W. Pleister, Westfield, N. J., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey

Application June 22, 1940, Serial No. 341,908
9 Claims. (Cl. 210—68)



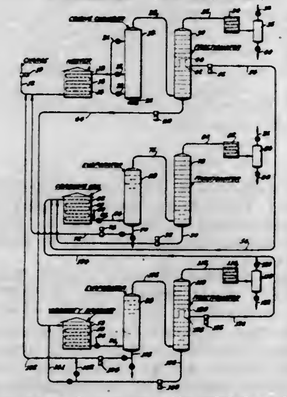
1. The continuous method of treating a plurality of separate independent metal articles immediately after they have been coated by immersing them in a hot molten bath of the coating metal, consisting in feeding the coated articles continuously into the bottom of a whirling basket of a centrifugal machine having upward flaring sides, and while the coating metal on the articles is substantially at the temperature of the said bath of molten coating metal, thereby subjecting the articles to centrifugal action while the coating metal is still liquid, impeding their normal movement to work up and out of the basket until all the surplus coating metal is removed, and continuously discharging the coated articles over the upper edge of the basket.

2,271,095

TREATING HYDROCARBON OILS

Joseph K. Roberts, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1937, Serial No. 182,191
7 Claims. (Cl. 196—49)



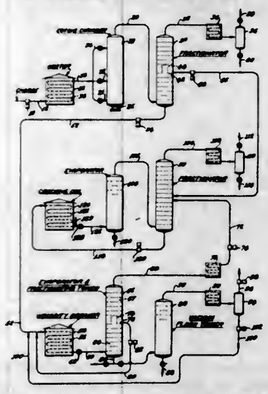
1. A process for converting higher boiling hydrocarbon oil into lower boiling hydrocarbons which comprises primarily heating a crude oil residual stock to a cracking temperature, passing the heated products to a coking zone maintained at a coking temperature wherein vapors are separated from coke residue, fractionating vapors separated in said coking zone in a first fractionating zone to separate a heavy condensate comprising heavy gas oil from lighter reflux condensate comprising light gas oil, passing the heavy condensate oil through a viscosity breaking zone wherein it is maintained under superatmospheric pressure and relatively high temperature conditions to produce a relatively high yield of intermediate constituents suitable for further cracking to produce gasoline constituents, passing the products from said viscosity breaking zone to a separating zone to separate vapors from liquid residue, fractionating the last mentioned vapors in a second fractionating zone to separate heavy condensate oil comprising heavy gas oil from a relatively light distillate comprising light gas oil, recycling the last mentioned heavy condensate oil through said viscosity breaking zone, separating heavier constituents from said lighter reflux condensate and relatively light distillate and passing such heavier constituents through a cracking zone wherein they are maintained under superatmospheric pressure and high temperature conditions to effect the desired extent of cracking into lower boiling hydrocarbons, passing the resultant cracked products from the latter cracking zone to a second separating zone wherein separation of vapors from liquid residue takes place, passing the resultant separated vapors to a third fractionating zone wherein the vapors are fractionated to recover a light distillate having the desired boiling range.

2,271,096

TREATING HYDROCARBON OILS

Robert F. Ruthruff, Nutley, N. J., and Charles F. Feuchter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1937, Serial No. 182,192
6 Claims. (Cl. 196—49)



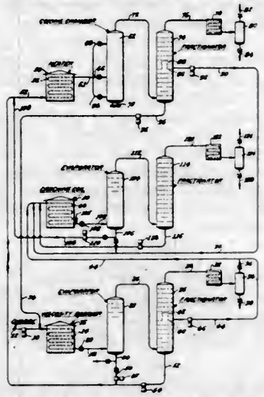
1. A process for converting higher boiling hydrocarbons into lower boiling hydrocarbons which comprises primarily heating a crude residual charging stock to a cracking temperature and passing the heated products to a coking zone wherein the heated products are maintained at a coking temperature by their contained heat to form vapors and coke residue, fractionating the vapors to separate a heavy condensate oil from light reflux condensate, passing the heavy condensate oil through a separate viscosity breaking zone wherein it is subjected, entirely separately from the crude residual charging stock, to superatmospheric pressure and relatively high temperature conditions to produce a relatively high yield of intermediate constituents suitable for further cracking to produce gasoline constituents, passing the products from said viscosity breaking zone to a separating zone to separate vapors from liquid residue, fractionating the last mentioned vapors to separate heavy condensate oil from light reflux condensate, recycling at least a portion of the last mentioned heavy condensate oil through said viscosity breaking zone, combining the light reflux condensates and passing the mixture through a separate cracking zone wherein it is maintained under superatmospheric pressure and high temperature conditions to effect the desired extent of cracking thereof into lower boiling hydrocarbons including gasoline constituents, separating the products leaving said separate cracking zone into vapors and liquid residue, and fractionating the last mentioned vapors in a separate fractionating zone to separate condensate oil from light distillate having the desired boiling range.

2,271,097

TREATING HYDROCARBON OILS

Robert F. Ruthruff, Nutley, N. J., and Joseph K. Roberts, Flossmoor, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1937, Serial No. 182,193
5 Claims. (Cl. 196—49)



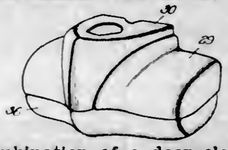
1. A process for converting higher boiling hydrocarbons into lower boiling hydrocarbons which comprises passing a relatively heavy oil through a viscosity breaking zone wherein it is maintained under superatmospheric pressure and at an elevated temperature to produce a relatively large yield of intermediate constituents suitable for further cracking to produce gasoline constituents, passing the viscosity broken products to a separating zone to separate vapors from liquid residue, fractionating the vapors to separate heavy condensate oil from light reflux condensate, passing heavy condensate oil so obtained and at least a part of the liquid residue separated from the viscosity broken products through a heating zone to raise the temperature thereof to a cracking temperature, passing the heated products to a coking zone wherein the heated products are maintained at a coking temperature by their contained heat to form vapors and coke residue, fractionating the last mentioned vapors to separate heavy condensate oil from a light reflux condensate, directing the last mentioned heavy condensate oil to said viscosity breaking zone, passing the light reflux condensates through a cracking zone wherein they are maintained under superatmospheric pressure and high temperature conditions to effect the desired extent of cracking into lower boiling hydrocarbons including gasoline constituents, separating the products leaving said cracking zone into vapors and liquid residue, fractionating the last mentioned vapors to separate condensate oil from light distillate having the desired boiling range, recycling the condensate oil to said cracking zone, and heating at least a portion of the last mentioned residue to an elevated temperature and directing the heated residue to said coking zone to form vapors and coke residue.

2,271,098

CASING FOR DOOR CLOSING AND CHECKING DEVICES

Louis F. Schmidt, Chicago, Ill., assignor to Norton Lasier Company, Chicago, Ill., a corporation of Illinois

Application August 9, 1939, Serial No. 289,137
12 Claims. (Cl. 16—49)



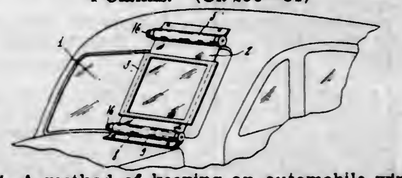
1. The combination of a door closing device, a mount for said device spaced therefrom, removable cover means for said device comprising an upper member having a flange overlying the top of said device, said flange providing means for engaging the rear of said device whereby the rear margin of said member is maintained in engagement with said mount, a lower member, and means for maintaining said upper and lower members in spring fit engagement whereby the rear margin of said lower member is maintained adjacent said mount.

2,271,099

METHOD OF AND MEANS FOR PROTECTING THE EXPOSED FACES OF AUTOMOBILE WINDSHIELDS

Milton O. Schur, Berlin, N. H.

Application July 27, 1939, Serial No. 286,843
4 Claims. (Cl. 296—84)



4. A method of keeping an automobile windshield clean, which comprises providing transparent film material next to the outer face of said windshield and replacing said material after it has become soiled by similar clean film material.

2,271,100

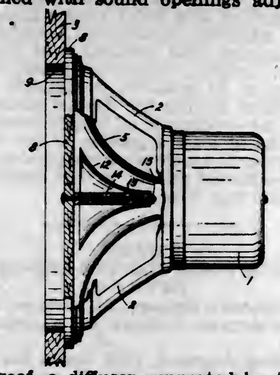
SOUND EQUALIZER REPRODUCER SYSTEM

Ernest H. Scott, Highland Park, Ill.

Application December 24, 1940, Serial No. 371,550
11 Claims. (Cl. 181—31)

1. An apparatus of the class described including a baffle board, a loud speaker disposed adjacent to the baffle board and having a sound

producing cone, said baffle board being formed with an opening opposite said loud speaker cone, a sound board disposed in front of said cone and formed with sound openings adjacent the



edge thereof, a diffuser supported by the sound board inside of the cone, said diffuser being spaced from and supported by the sound board and said sound board being formed with openings opposite the diffuser.

2,271,101

PROCESS FOR TREATING FABRIC CONTAINING RUBBER THREAD

Thomas Lewis Shepherd, Portslade, England, assignor to The Clark Thread Company, a corporation of New Jersey

No Drawing. Application June 14, 1937, Serial No. 148,219. In Great Britain June 26, 1936

7 Claims. (Cl. 18—54)

1. Process for producing a smoothly-lying and closely woven elastic fabric from stretched and unvulcanized rubber thread containing a soluble extensibility-reducing agent to prevent retraction of the thread, which comprises: treating said fabric with a solvent for said agent in the presence of heat to remove the agent and vulcanize the thread, while limiting retraction of said fabric.

2,271,102

RUBBER PROCESS

Thomas Lewis Shepherd, Portslade, England, assignor to The Clark Thread Company, a corporation of New Jersey

No Drawing. Application January 22, 1938, Serial No. 186,467. In Great Britain April 4, 1935

2 Claims. (Cl. 18—54)

1. A method of preparing a fabric in a relatively extensible form which comprises the steps of forming a thread from an aqueous dispersion of rubber containing a quantity of removable lyophilic colloid sufficient to reduce the extensibility of the thread, coagulating the thread, applying a coating of removable hydrophilic colloid to the thread, hardening the coating, forming a fabric from the thread and subsequently and simultaneously removing the coating and the lyophilic colloid and dyeing the thread by treating the same with a mixture containing a dye and a solvent for the lyophilic colloid and the coating.

2,271,103

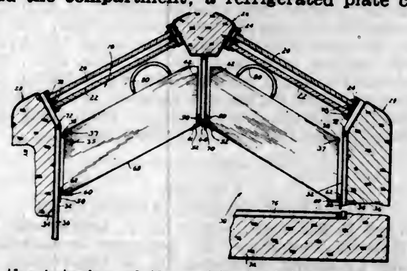
REFRIGERATED DISPLAY CABINET

Charles Q. Sherman, Mount Vernon, N. Y.

Application July 29, 1941, Serial No. 404,474

11 Claims. (Cl. 62—89.5)

1. A refrigerated display and storage cabinet for the self-service dispensing therefrom of perishable comestibles, said cabinet having a storage well and dispensing compartment directly thereabove; said cabinet arranged to provide access to the storage well through the dispensing compartment; said cabinet having a closed bottom wall and closed sides upstanding therefrom to form the storage well; said dispensing compartment of arch-like cross-sectional configuration having a crown and side walls extending downwardly and outwardly therefrom at a selected inclination to the vertical; the side walls of said compartment arranged and constructed to provide access therethrough to the storage well and the compartment; a refrigerated plate coil



in the interior of the cabinet at the said closed sides and extending therealong from the bottom wall to the dispensing compartment; a second mentioned plate coil in the interior of the cabinet extending downwardly from the crown to at least the upper part of the storage well; a plurality of trays arranged in the compartment; spaced means, for removably supporting the trays in the compartment, secured to the first mentioned and to the second mentioned refrigerating plate coils; the bottoms of said trays forming a continuous wall sealing the storage well from the dispensing compartment; said supporting means arranged to dispose the trays in the compartment substantially parallel to the side walls thereof.

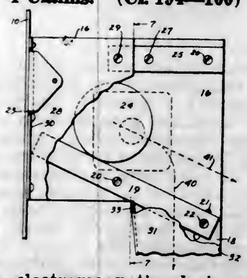
2,271,104

COIN TESTING DEVICE

Lewis P. Starkey, Larimer County, Colo.

Application May 4, 1939, Serial No. 271,775

4 Claims. (Cl. 194—100)



3. In an electromagnetic device for testing coins and separating silver coins from similarly shaped coins of different material, a substantially vertical plate having an opening for the insertion of coins, a testing mechanism positioned to receive coins that have passed through the opening, said device comprising means for constraining the coins to move in a predetermined path and an alternating current electromagnet positioned adjacent the path whereby the coins must pass through the alternating flux field, a door movably associated with the vertical plate

and movable into and out of slot closing position, an electric switch in series with the electromagnet, and means for interconnecting the switch and the door to close the switch when the door is moved to slot opening position and to open the switch when the door is moved to slot closing position.

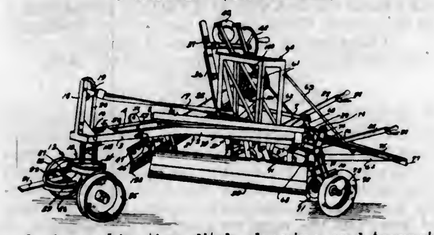
2,271,105

DITCH CLEANING AND TERRACING MACHINE

Charles V. Stewart, Maricopa County, Ariz.

Application September 16, 1940, Serial No. 356,895

5 Claims. (Cl. 37—155)



1. A combination ditch cleaning and terracing machine, comprising, in combination, a frame having a centrally positioned pivotally mounted bottoming blade thereon and a side cutting blade adjustably mounted on one side thereof, wheeled support for said frame including a truck at the forward end thereof having a rocking bolster intermediate said truck and said frame and means for manually raising or lowering said frame on said truck, and riding wheels mounted on the rear of said frame each manually adjustable to vary the height of the frame from the ground on which said riding wheel rests, and lateral stabilizing means including resiliently supported stabilizing wheels extending laterally on each side of said frame and bearing on the ground at lateral positions beyond the track of said riding wheels.

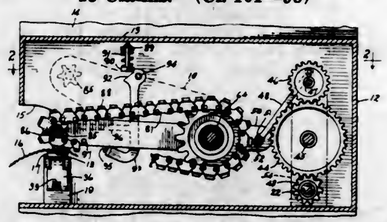
2,271,106

LAUNDRY MARKING MACHINE

George N. Strike and John Griesinger, Los Angeles, Calif.

Application August 2, 1940, Serial No. 349,404

13 Claims. (Cl. 101—98)



1. In a laundry marking machine, a platen, inking means, linked, endless type-bearing chains, each chain having a plurality of different characters, a carriage, spaced sprockets on the carriage separately supporting the chains, certain of the sprockets being alined laterally along a common, fixed axis, the carriage being pivotally mounted to oscillate about said axis, means connected to drive the sprockets to longitudinally adjust the chains to print different characters, and means to move the carriage pivotally and thereby move the chains successively from an inking position to a position to print on material on the platen.

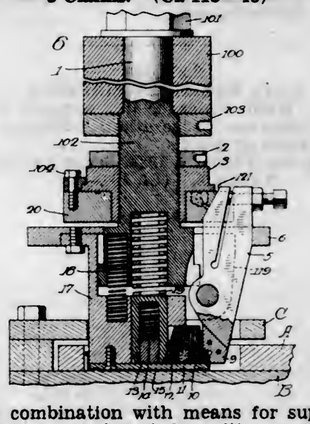
2,271,107

TOOL FOR FORMING LUGS ON CAPS

Karl E. Swangren, Maywood, Ill.

Application August 20, 1938, Serial No. 225,855

8 Claims. (Cl. 113—48)



1. In combination with means for supporting flanged caps in inverted position, a tool for forming lugs on the flanges of supported caps comprising an assemblage of connected members including a supporting member arranged to reciprocate vertically, a body block mounted on said supporting member and having limited sliding movement with respect thereto, the bottom of said body member being arranged to bring up in the downward movement of the supporting member against the face of a supported cap, spring tension means for stressing said supporting means and body block to expanded position, a plurality of backing blocks slidingly mounted in said body block above its bottom face and arranged to be shifted radially outward into contact with the flange of a cap, a corresponding plurality of rocking jaws pivotally mounted on said body block and provided with bending dies arranged to be shifted inwardly, means connected with said supporting member for actuating said backing blocks to shift them outwardly, and means also connected with said supporting member for actuating said jaws to shift said bending dies inwardly.

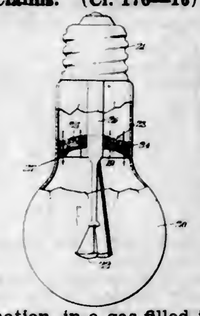
2,271,108

INCANDESCENT LAMP

Kenneth L. Wade, New York, N. Y.

Application January 17, 1940, Serial No. 314,227

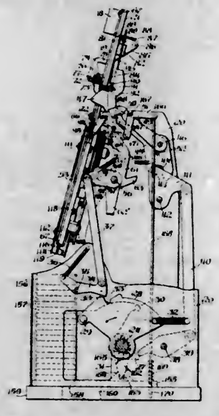
2 Claims. (Cl. 176—16)



1. In combination, in a gas filled incandescent lamp, an annular retainer member secured in substantially transverse relation to the stem of

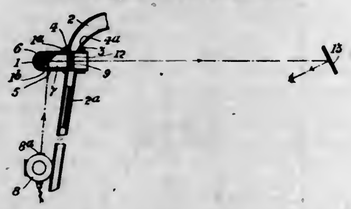
said lamp, and a separate filter of relatively large surface area retained by said retainer member, said retainer member having a light reflecting surface, said lamp having a gas circulation space on each side of said filter, a glass globe enclosing the above elements.

2,271,109
COIN OPERATED MACHINE
John C. Wahl, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application August 2, 1938, Serial No. 222,615
7 Claims. (Cl. 194—48)



3. In a coin operated machine, a plurality of dispensers, common means for jointly or severally causing operation of the dispensers, means for normally latching the common means against operation, a plurality of coin handling mechanisms respectively corresponding with the dispensers and associated therewith, means for normally latching the dispensers, and means controlled by the presence of a coin in a handling mechanism to cause unlatching of the common means and corresponding dispenser for operation.

2,271,110
REAR LIGHT INDICATOR OR DETECTOR FOR VEHICLES
William John Webster, Belfast, Northern Ireland
Application March 20, 1939, Serial No. 262,821
In Great Britain April 4, 1938
12 Claims. (Cl. 240—8.41)



1. A rear light indicating system for a closed automobile comprising in combination a rear lamp with a light-emitting aperture, a short tubular member located in the back of the car and in alignment with aperture means therein and projecting outwardly from the back of the car, a light receiving aperture in said member and located in the longitudinal wall thereof so as to face said light emitting aperture and receive light rays therefrom only, a reflector wholly enclosed in and protected by the outer end of said member and adapted to pick up the light rays coming through said light receiving aperture and pass same through the tubular member into the automobile, and mirror means in front of the driver in which said light is observable, said lamp being separate from the indicating system and spaced therefrom.

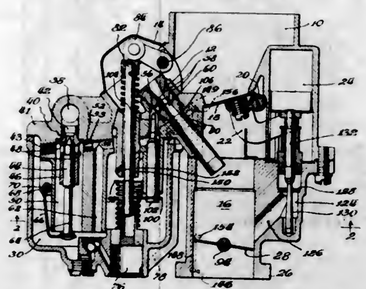
2,271,111
METHOD OF MANUFACTURING SPRINGS
Cal W. Wulff, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
No Drawing. Application April 16, 1938, Serial No. 202,472
3 Claims. (Cl. 29—173)

1. A method of manufacturing volute springs which comprises heating a steel bar from which the spring is to be made to a predetermined temperature suitable for coiling and above its critical temperature, then coiling the bar about a mandrel, immediately thereafter removing the coiled bar from the mandrel and before any portion of the bar cools below its critical temperature, reheating the same to a predetermined quenching temperature, and then immediately thereafter quenching the coiled bar in a medium of low viscosity and high volatilization until the temperature of the bar is lowered to around 400° F. and then tempering the coiled bar.

2,271,112
FADE RESISTANT PRINTED OR DYED MATTER
Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application March 17, 1938, Serial No. 196,374
4 Claims. (Cl. 106—22)

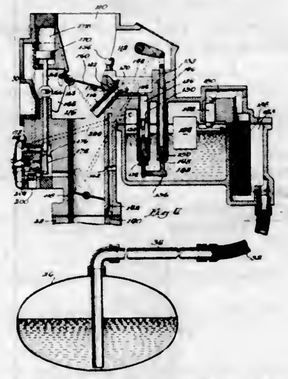
4. A hectograph ink comprising an alcohol and water soluble dye subject to fading on exposure to light within the range of 3200 to 4000 Å., a liquid carrier, and anthranilic acid dissolved therein.

2,271,113
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application July 21, 1938, Serial No. 220,516
12 Claims. (Cl. 261—72)



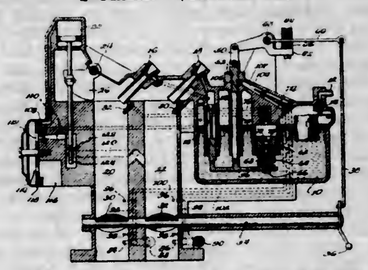
1. A fuel lift carburetor of the class described comprising a float bowl, a fuel feeding nozzle supplied with fuel from said float bowl, a float bowl top having a part extending downwardly into said float bowl, said part providing a large downwardly extending passage communicating with the interior of said float bowl at its lower end, an inlet valve connecting the upper end of said passage with a fuel supply line, a float controlling said inlet valve, a restricted connection between the upper end of said passage and said nozzle, said part providing a smaller downwardly extending passage opening at its lower end into said float bowl and having its upper end in communication with said nozzle, and means for creating suction in said float bowl, said means communicating with said float bowl at a point spaced from said downwardly extending passages.

2,271,114
METHOD OF AND MEANS FOR SUPPLYING COMBUSTIBLE MIXTURES TO INTERNAL COMBUSTION ENGINES
Robert F. Bracke, Chicago, Ill.
Application July 27, 1938, Serial No. 221,485
1 Claim. (Cl. 123—119)



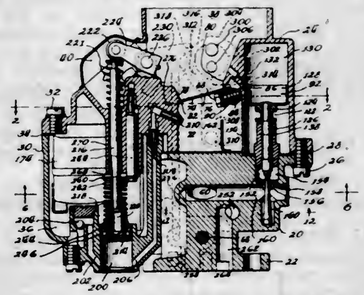
An internal combustion engine comprising a cylinder, a high compression head therefor, a piston reciprocable in said cylinder, means driven by said piston, a manifold for supplying a combustible mixture to said cylinder, a throttle valve controlling the quantity of combustible mixture supplied to said cylinder, and fuel feeding means including said throttle valve for maintaining a suction of between 25 and 60 inches of gasoline in said manifold for all conditions of engine operation when said valve is fully opened, said last-named means comprising a mixing chamber in which said valve is located, a nozzle for supplying fuel to said mixing chamber, a float bowl constituting a source of fuel supply for said nozzle, a passage connecting said nozzle with said float bowl, means for reducing the weight of a column of fuel in said passage and consisting of a series of vertically spaced orifices connecting the upper part of said float bowl with said passage and including orifices located both above and below the normal level of fuel in said float bowl, a restriction in said passage below said orifices, a booster Venturi tube discharging into said mixing chamber, a passage connecting the throat of said Venturi tube with said float bowl, an air valve for admitting air to said mixing chamber, and a weight variably urging said valve toward closed position, said weight exerting greater force on said valve and thereby maintaining a higher degree of suction in said manifold when said engine is operating at low speed full throttle than when said engine is operating at high speed full throttle whereby the tendency of said engine to knock at low speeds is reduced.

2,271,115
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application May 16, 1939, Serial No. 273,853
1 Claim. (Cl. 261—41)



In a fuel lift carburetor of the class described the combination of a float bowl adapted to hold a quantity of fuel, a booster Venturi tube for maintaining said float bowl under sub-atmospheric pressure, a main fuel feeding nozzle supplied with fuel from said float bowl, conduit means connecting said nozzle with said float bowl, a mixing chamber into which said nozzle discharges, an air inlet valve for said mixing chamber, a dashpot for said valve, a throttle valve controlling communication between said mixing chamber and an intake manifold of an engine to which said carburetor is adapted to be attached, an idling jet on the engine side of said throttle valve, a needle valve for adjusting said idling jet, a passage connecting said idling jet with said float bowl, means connecting said passage with said mixing chamber above said throttle valve, a flow restriction in said passage, the absolute pressure at said idling jet and in said mixing chamber being greater under certain conditions of carburetor operation than the absolute pressure in said float bowl whereby under said conditions of carburetor operation back bleed into said float bowl through said passage would normally occur and flow control means in said passage preventing back bleed therethrough, said flow control means being designed and arranged to be overcome by suction at said idling jet when said engine is idling.

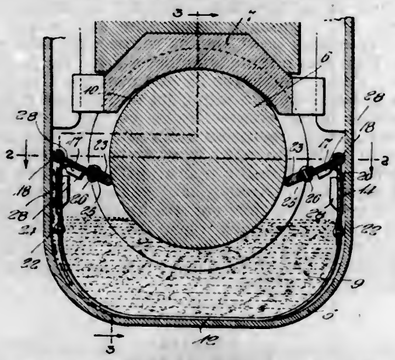
2,271,116
CARBURETOR
Robert F. Bracke and Carl W. Spohr, Chicago, Ill.
Original application July 27, 1938, Serial No. 221,486. Divided and this application January 22, 1940, Serial No. 314,904
1 Claim. (Cl. 261—64)



In a carburetor of the class described, the com-

bination of a mixing chamber, an inclined nozzle for supplying fuel to said chamber, a float bowl from which said nozzle is supplied with fuel, a booster Venturi tube for maintaining suction in said float bowl, a passage for supplying air to said booster Venturi tube, said passage having portions of different cross-section, a slotted cup closely fitting one portion of said passageway and extending into the other portion thereof, an adjustable support for said cup to vary the position of the cup in said portions and thereby vary the amount of air supplied to said booster Venturi tube, a passage connecting said Venturi tube with said mixing chamber, an inlet for said last-named passage intermediate said booster and chamber, a cold starting valve for opening and closing said inlet, means for operating said valve, a rectangular air inlet for said mixing chamber, a sheet metal valve closely fitting said inlet, said valve being inclined oppositely to said nozzle and having a free edge adjacent said nozzle, a shaft having a slot adjustably receiving a bent portion of said last-named valve, a spiral spring for urging said shaft to valve-closing position, means for adjusting said spring, a dashpot connected to said valve shaft, and a throttle valve inclined in the same direction as said nozzle.

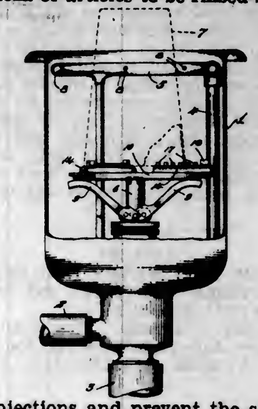
2,271,117
JOURNAL BOX PACKING HOLDER
Clarence L. Carnarius, Peoria, Ill.
Application November 27, 1940, Serial No. 367,451
9 Claims. (Cl. 308—89)



1. The combination with a journal box adapted to receive packing material and including a journal and bearing therefor, of a packing holder fitting within the box beneath the journal, supporting plates pivotally mounted on the holder and normally held against longitudinal movement with respect to said holder, brushes slidably mounted for lateral movement on the free ends of the supporting plates, and springs secured to the holder and bearing against the supporting plates for normally and yieldably holding the brushes in contact with the journal.

2,271,118
RINSING APPARATUS
Ilerio L. Caruolo, Johnston, R. I.
Application June 17, 1937, Serial No. 148,755
8 Claims. (Cl. 141—3)

1. A rubber tube adapted to be applied to a rinsing apparatus and having a centrally disposed opening extending longitudinally thereof, and closely adjacent upstanding projections on the outer surface of the tube, said projections being so spaced and of such a height as to accommodate portions of articles to be rinsed between adjacent projections and prevent the said articles from sliding along the seat.



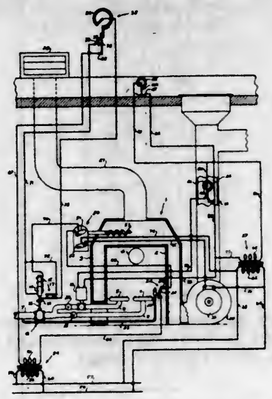
2,271,119
WELDING ELECTRODE HOLDER
James C. Cox, Royal Oak, and Steuart P. Graham, Highland Park, Mich., assignors to S-M-S Corporation, Detroit, Mich., a corporation of Michigan
Application October 3, 1939, Serial No. 297,735
9 Claims. (Cl. 219—4)



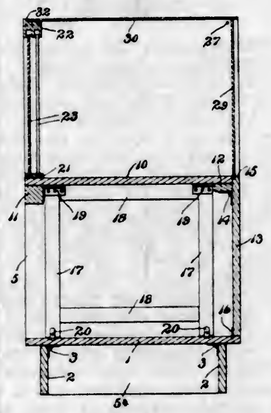
9. In an electrode holder, a hollow body having an open end, a welding tip removably maintained in said open end, and tip removing means including a member disposed in the hollow of said body, a portion of which member lies adjacent the inner end of said tip, said member being movable relative to said body toward said tip thereby being adapted when so moved to removably contact the tip.

2,271,120
COMPENSATED TWO-STAGE HOT AIR CONTROL SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 27, 1938, Serial No. 237,213
12 Claims. (Cl. 236—11)

1. In a temperature control system, in combination, a two-stage heating unit for supplying heating medium to a region to be heated, a space thermostat in said region for controlling first stage operation of said heating unit, a thermostat responsive to heating medium being returned from said region for controlling second stage operation of said heating unit, a third thermostat located at a relatively low level in said region, and means controlled by said third thermostat tending to cause said second mentioned thermostat to call for less heat as the temperature affecting said third thermostat falls.



2,271,121
KNOCKDOWN SHOWCASE STRUCTURE
William A. Gross, Portland, Oreg., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application January 27, 1941, Serial No. 376,092
11 Claims. (Cl. 312—114)



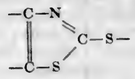
2. A construction of the class described comprising, a rectangular bottom member, end members hingedly connected one to each end of the bottom member, a floor member of rectangular form disposed horizontally between the vertically positioned end members, means for detachably connecting said floor member at its ends to said end members, and a front hingedly connected to the forward edge of the floor member, said hinged connections thereby permitting said end members and said front to be collapsible respectively against said bottom member and said floor member.

2,271,122
PROCESS OF VULCANIZING RUBBER
Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 27, 1938, Serial No. 247,951
8 Claims. (Cl. 260—784)

1. The process of vulcanizing rubber which comprises heating rubber and sulfur in the presence of an amino methylene imide of an organic dicarboxylic acid containing at least four carbon atoms, the said amino substituent being the residue remaining after the removal of one hydrogen atom from a member of a group consisting of guanidines, ammonia and mono and disubstituted ammonias wherein the substituents are selected from a group consisting of alkyl, aryl, aralkyl and alicyclic radicals.

2,271,123
VULCANIZATION OF RUBBER
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1939, Serial No. 282,062
20 Claims. (Cl. 260—786)

1. The method which comprises vulcanizing a rubber in the presence of a N,N'-polythioamine and an accelerator of vulcanization containing the group



2,271,124
ARTICLE SUBJECTED TO PRINTING INK
Arthur E. Juve and Benjamin S. Garvey, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 351,174
6 Claims. (Cl. 91—67.8)

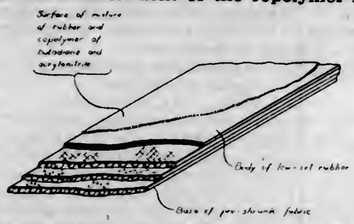


1. An article of manufacture which is subjected in use to the action of printing ink, said article having a surface composed of a vulcanized mixture of rubber and a copolymer of butadiene and acrylonitrile.

2,271,125
OFFSET PRINTING BLANKET
Arthur E. Juve, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 351,175
4 Claims. (Cl. 154—54.5)
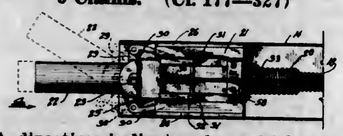
1. An offset printing blanket comprising a low-set rubber body adhered on one side to a preshrunk fabric base and on the other side to a thin layer of a vulcanized mixture of rubber and a copolymer of butadiene and acrylonitrile, the copolymer being made by combining butadiene with not more than its weight of acrylonitrile, and the proportions of rubber and copolymer in

the vulcanized mixture being such that the acrylonitrile constituent of the copolymer makes



up approximately one-fifth of the mixture of rubber and copolymer.

2,271,126
DIRECTION INDICATOR
Samuel M. Marcus and James A. Zingheim, Denver, Colo.
Application April 14, 1941, Serial No. 388,452
5 Claims. (Cl. 177—327)



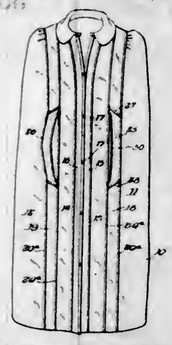
5. A direction indicator for vehicles comprising: an elongated housing having an open outer extremity; a threaded shaft projecting longitudinally inwardly from the inner extremity of said housing; a threaded sleeve threaded on said threaded shaft for substantially its entire length and having both internal and external threads; a traveling carriage threaded on the external threads of said sleeve; a signal supporting member on the outer extremity of said carriage; means for rotating said shaft in said sleeve and said sleeve in said carriage in either desired direction; and means for swinging said signal supporting member as it exits from the open outer extremity of said housing.

2,271,127
PHOSPHATIDIC COMPOUNDS
Morris Mattikow, New York, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application June 29, 1939, Serial No. 281,936
24 Claims. (Cl. 260—403)

1. A process of producing new phosphatidic compounds, which comprises, heating phosphatidic material with a compound having a free hydroxy group in the presence of a basic material as a catalyst.

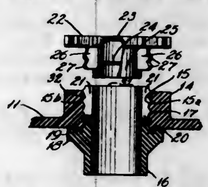
2,271,128
RAIN CAPE CONSTRUCTION
Charles S. McCoy, Winnetka, Ill., assignor to McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois
Application August 1, 1941, Serial No. 404,975
5 Claims. (Cl. 2—88)

1. A garment having a plurality of vertically extending side and front sections, narrow intermediate sections secured to one edge of each of said front sections and to one edge of each of said side sections for substantially its length but detached therefrom for a short distance whereby arm openings are formed at the front of the garment, and flaps of substantially the same length as the openings and of substantially the same width as the said intermediate sections secured



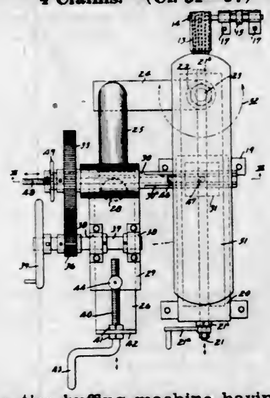
to the intermediate sections at their top and bottom ends and by their rear edges to the garment, but free at their forward edges.

2,271,129
NONFLOOD CELL COVER ASSEMBLY
George A. Paddock, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,319
2 Claims. (Cl. 136—178)



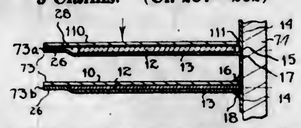
1. A cover assembly for a container for electrolyte comprising a cover having an opening the wall of which is threaded therethrough, a tubular valve and filling well structure threaded exteriorly to its top to cooperate with the threaded wall of the cover opening for bodily vertical movement of said structure upon rotation thereof in said opening and having a portion depending below the cover for providing between the cover and the normal electrolyte level a gas-trapping space adjacent said well structure beneath the cover in the raised position of said well structure, said well structure being slotted in the threaded portion thereof down from the top of the structure to an extent such as to put the well in venting communication with said space below the cover when said well structure is in its lowered position and to shut off such communication when said structure is in its raised, gas-trapping position, and a vented cap having a portion adapted to enter said slot in the well structure by relative axial movement when said well structure is in its uppermost position for manipulating said structure, said portion of the cap being threaded to supply a threaded portion thereof in said slot in continuation of the threaded portion of said well structure and adapted to engage the threaded portion of the cover for securing the cap in the threaded wall as the cap compels lowering of the well structure during rotation thereof in such threaded wall, and for freeing the cap from such threaded wall when the well structure is elevated to its raised position by reverse movement.

2,271,130
BUFFING AND SHAPING MACHINE FOR TIRES AND THE LIKE
Russell O. Pearson, Birmingham, Ala.
Application August 21, 1939, Serial No. 291,203
4 Claims. (Cl. 51—97)



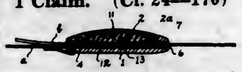
1. In a tire buffing machine having a pivoted swing stand, a rotatable tire receiving shaft on the swing stand, a buffing tool, and means to move said shaft and tire into engagement with the tool, the combination of means to move the pivot of the swing stand transversely of the tool, and means associated with said shaft and tire whereby the latter may be moved axially on the shaft while both are in rotation.

2,271,131
WASTE HEAT BOILER FOR AIRCRAFT
Nathan C. Price, Seattle, Wash., assignor to Sirius Corporation, a corporation of California
Application May 1, 1939, Serial No. 270,963
5 Claims. (Cl. 257—262)



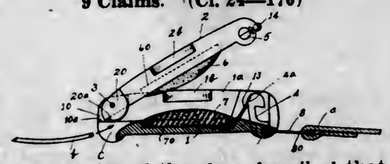
1. In boiler heat exchange apparatus a thin walled tube having a plurality of spaced apart transverse fins thermally bonded thereto, each of said fins consisting of a disc of relatively high strength at elevated temperatures having a flange around its inner diameter, a second flat disc of relatively high strength at elevated temperatures spaced from said first disc, and a third disc of relatively high thermal conductivity between said first and second discs, said first and second discs cooperating to form a protective covering for said third disc and said tube.

2,271,132
BUCKLE
Einar Thoresen, Pittsburgh, Pa.
Application September 20, 1939, Serial No. 295,776
1 Claim. (Cl. 24—170)



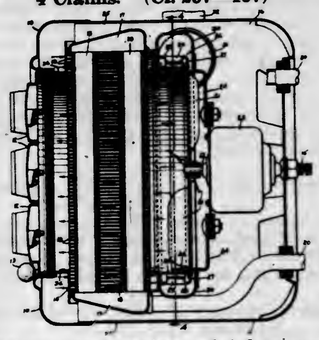
A belt buckle comprising in structure two clamping members formed of molded plastic, hinged together, and provided with means for securing the members closed in clamped position on the body of a belt, one of said clamping members carrying an elastic belt-securing member which, when the buckle is closed, is clamped against the body of the belt, the body of one of said molded buckle members including a recess and the body of the other of said molded members being formed complementary to said recess, with the effect that when the buckle is closed, with the elastic member compressed in engagement with the belt, said two body members of the buckle are snugly nested one within the other, whereby the hinged union of said two buckle members is protected from stress caused by tension applied to the engaged belt in service.

2,271,133
BUCKLE AND LATCH MECHANISM
Einar Thoresen, Pittsburgh, Pa.
Application November 27, 1940, Serial No. 367,388
9 Claims. (Cl. 24—170)



8. In a device of the class described that includes in structure two buckle members, a latch device for securing said buckle members in clamped position upon the body of a belt, one of said buckle members carrying an element that frictionally engages the belt when the buckle is secured in said clamped position; the invention herein described in which the buckle member last mentioned includes a recess in which said belt-engaging element is positioned and peripherally supported, said element comprising a body of readily compressible material which when the buckle is open projects from said recess, and which when the buckle is closed is compressed against the body of the belt and into position substantially within said recess, the closed buckle structure including between the body of the engaged belt and the periphery of said recess a clearance into which a portion of the body of said compressed belt-engaging element is adapted, when the engaged belt tends to slip in the buckle, to become wedged, said wedged portion of the compressed belt-engaging element affording augmented security of the belt in the buckle.

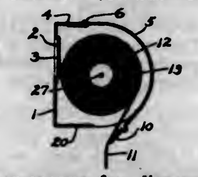
2,271,134
AUTOMOBILE HEATER AND DEFROSTER
Carl H. Will and Henry W. Fink, Minneapolis, Minn., assignors to Tropic-Aire, Incorporated, Minneapolis, Minn., a corporation of Delaware
Application April 19, 1937, Serial No. 137,842
4 Claims. (Cl. 257—137)



1. In a combined heater and defroster, a heat-

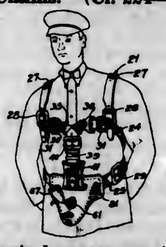
ing radiator provided with air passages, a substantially spiral casing secured in close proximity to said heating radiator with its interior in direct communication with certain of said air passages, a blower in said casing, and a fan for impelling air axially through such of said air passages as are not in communication with said casing.

2,271,135
DISPENSER
Earl R. Crebbs, San Francisco, Calif.
Application September 30, 1940, Serial No. 358,945
2 Claims. (Cl. 242—55.5)



1. Container means for dispensing sheet material rolled on a core and having tear lines extending across said sheet comprising a body having a back portion adapted to be attached to a vertical wall, and side portions having inner pins upon which said core may be mounted, a bottom portion extending forwardly to terminate slightly to the rear of a vertical plane passing through a line joining said inner pins, and a cover hinged to the top of said body portion and extending forwardly around and resting on the edges of said side portions and terminating in tear line intersecting fingers below the level of said bottom and slightly forward of said vertical plane.

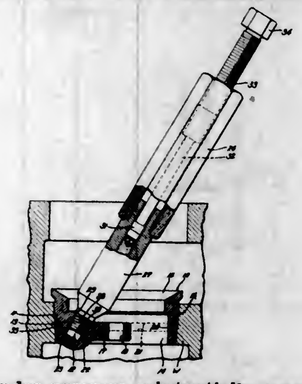
2,271,136
FISHERMAN'S RIG AND ACCESSORIES
Ralph I. Geiger, Los Angeles, Calif.
Application May 31, 1939, Serial No. 276,605
5 Claims. (Cl. 224—5)



5. A fisherman's harness, or the like, as described having a vertical back portion, a chest hitch portion extending diagonally downwardly and rearwardly at each side and meeting at the lower end of said back portion, a chest hitch portion extension extending diagonally upwardly and rearwardly at each side and meeting at the upper end of said back portion, a belt portion extending forwardly at each side from said diagonally downwardly and rearwardly extending chest hitch portion.

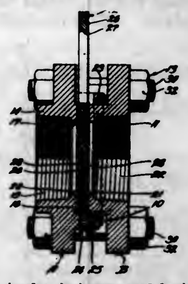
2,271,137
VALVE SEAT
Leland S. Hamer, Long Beach, Calif., assignor of one-third to Paul A. Dewhirst, Los Angeles, and one-sixth to Vernon Zillgitt, Long Beach, Calif.
Application February 19, 1940, Serial No. 319,701
8 Claims. (Cl. 251—167)

1. In a valve construction a stationary wall having a tapered bore opening and an annular valve seat tightly seated in the opening to be stationary with the wall, and means for expanding the wall to release the seat comprising surfaces defining a confined space between the wall and the seat, means for conducting fluid to said



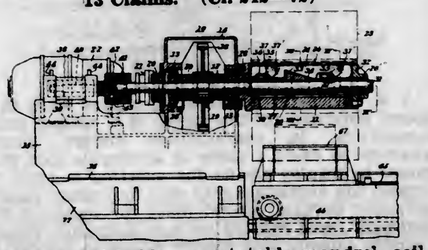
space under pressure substantially greater than that passed by the valve, and a sealing element carried in said space to confine the fluid under pressure between the wall and the valve seat whereby the fluid pressure expands the wall to free the seat.

2,271,138
LINE BLIND
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application February 15, 1941, Serial No. 379,050
4 Claims. (Cl. 251—167)



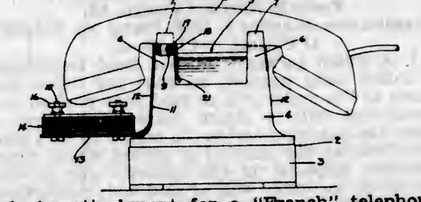
1. A fitting to be interposed between fluid conductors comprising two tubular sections having means at their outer sides for connection with the conductors, a tubular hub on the inner side of one section, an internal seat in said section, said hub having a lateral slot which joins the interior of the hub at the seat, a hub on the other section telescoping into the first named hub, a plate inserted in the slot to extend across the interior of the first named section, radial flanges on the sections at opposite sides of the slot having polygonal openings, studs having polygonal intermediate portions engaged in said openings and having threaded end portions projecting from the outer sides of the flanges, and nuts threaded on said end portions for engaging the flanges to connect the sections and to urge the sections together so that the plate is clamped between the seat and the inner end of the second named hub, all of said studs being clear of the mouth of the slot.

2,271,139
COIL HOLDER
John C. Holdgate and William P. Donald, Warren, Ohio, assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application January 18, 1941, Serial No. 375,084
13 Claims. (Cl. 242—72)



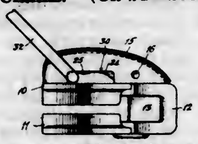
4. In a coil holder, a rotatable mandrel, coil-engaging segments movable radially in the mandrel, a wedging member movable axially in the mandrel and effective to spread said segments, and links pivoted to said segments and member with a lost-motion connection whereby they are effective to spread said segments further after initial movement thereof.

2,271,140
ATTACHMENT FOR TELEPHONES
Wesley J. Kelley, Minneapolis, Minn.
Application June 24, 1940, Serial No. 342,117
3 Claims. (Cl. 45—82)



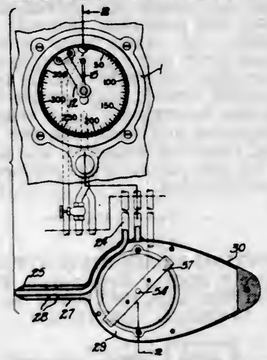
1. An attachment for a "French" telephone stand comprising an upright plate portion shaped to conform substantially to the contour of a side wall of the telephone stand whereby said plate portion may be seated firmly against said side-wall, said plate portion being provided at its lower end with an outwardly projecting portion adapted to provide a support for a note pad, and means at the upper end of said upright plate portion forming a hook adapted to engage one end of the usual cradle of the telephone stand, thereby to detachably secure the attachment thereto.

2,271,141
SLIDER FOR SEPARABLE FASTENERS
Max H. Lange, Maspeth, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application June 1, 1939, Serial No. 276,829
6 Claims. (Cl. 24—205)



1. A slider for separable fasteners comprising a pair of plates spaced to receive the interlocking elements of the fastener, a housing fixed to one of said plates and having elongated longitudinally extending openings on each side thereof, an independent, self-contained, rigid member extending longitudinally of the slider and loosely mounted within said housing for rocking movement with relation to said plate, said rigid unit having a rigid detent at one end projecting into an aperture in the associated plate and having at its other end a rigid portion adapted, in at least one of the positions of the rigid unit, to bear in disconnected relation against a fixed surface portion within said housing to afford a fulcrum for the rigid unit, the inner longitudinal edge of said rigid unit being provided with a cam surface approximately as long as the longitudinal openings in said housing, resilient means normally urging said detent into locking engagement with the fastener elements in the slider, a pull tab having a transverse member extending through the openings in said housing and between the cam surface of said rigid unit and the associated plate, said cam surface being arched and coacting with said transverse member of the pull tab to cause said rigid unit to rock about its fulcrum portion in the operations of the slider.

2,271,142
FLUID-SPEED METER
Donald K. Lippincott and Morris C. White, San Francisco, Calif.
Application May 23, 1938, Serial No. 209,542
12 Claims. (Cl. 73—205)

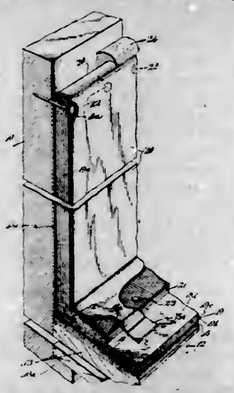


1. A compensated fluid-velocity meter comprising a pressure indicating element having a fluid leak passage between the input and output sides thereof, a conduit for applying the velocity head of the fluid to be measured to the input side of said element, a conduit for applying the static head of said fluid to the output side of said element, a valve in one of said conduits, and means responsive to factors affecting the density of said fluid for actuating said valve to cause a pressure drop therethrough which pressure drop increases with increasing density of said fluid.

2,271,143
COMPOSITE COVERING AND FLASHING FOR ROOFS AND THE LIKE
Hans L. Martinus, Chicago, Ill., assignor to Gunnar Mortenson, Chicago, Ill.
Application June 12, 1940, Serial No. 340,153
4 Claims. (Cl. 108—26)

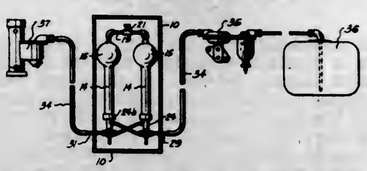
1. In a roofing and flashing construction, a plurality of bonded together fibrous substantially water-proof felt layers, each layer being composed of a plurality of adjacent sheets placed with their

edge portions overlapping each other; coatings of cementitious material between said respective felt layers and constituting the bonding means; a wire mesh or fabric layer in said composite construction and bonded to one or more of said felt layers; a coating of cementitious material for securing said wire fabric to a felt layer; certain of said felt layers and the bonded wire fabric layer being extended upwardly along the surface of an upwardly extending wall and being doubled back along such walls to form a water-proof flashing



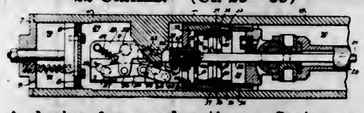
the lowermost layer thereby exposing one surface thereof to become the outermost layer of the flashing; and fastening elements extending from beneath the outer layer through said doubled back layer and secured in said wall for securing the upper edge said flashing to said wall the downwardly doubled back exteriorly exposed portion of the bottommost layer being secured over and covering and protecting the outermost ends of said fastening elements, and a composition seal on the upper edge surface of said doubled back flashing.

2,271,144
FUEL TESTING MEASURING APPARATUS
George F. McKay, Brownwood, Tex.
Application March 25, 1940, Serial No. 325,665
13 Claims. (Cl. 73—51)



1. An apparatus for measuring the flow of fuel which is pumped through a fuel line including, a receptacle adapted to be connected in the fuel line of the engine between the pump and point of consumption, valve means associated with the receptacles and fuel line and arranged to control the flow of fuel from the line to the receptacle to fill said receptacle and also arranged to shut off flow through the fuel line and permit flow from the receptacle to the point of consumption for measuring purposes, and means for applying the pump pressure to the upper end of the receptacle above the fuel level therein during the entire time that fuel from said receptacle is flowing to the point of consumption whereby the fuel is ejected from the receptacle under the pump pressure.

2,271,145
FLUID OPERATED DEVICE
Elsmere W. McKinney, Cleveland, Ohio, assignor to The McKinney Tool and Manufacturing Company
Application January 29, 1940, Serial No. 316,177
22 Claims. (Cl. 29—69)



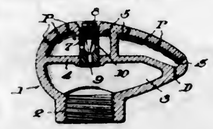
1. A device for accelerating a first mass to a speed governed by the speed of a second mass comprising, in combination, energy means adapted to exert a force to accelerate said first mass, hydraulic means for exerting a force to oppose the acceleration of said first mass, means actuated by said second mass for reducing the opposing force exerted by said hydraulic means thereby causing said energy means to accelerate said first mass, and valve means regulated by the relative speeds of said first and second masses for establishing a relationship between the accelerating force exerted by the energy means and the opposing force exerted by the hydraulic means to cause said first mass to maintain substantially the same speed as said second mass, said valve means comprising fluid orifice resisting means including a first orifice means movable with the first mass and a second orifice means movable with the second mass.

2,271,146
STEAM GARMENT FINISHER SET
Perry E. Norris, Chicago, Ill.
Application January 5, 1940, Serial No. 312,538
11 Claims. (Cl. 68—5)

1. A steam garment finisher head comprising a hollow body portion, an inlet for steam disposed at the under side of said body portion and contiguous with a steam pressure chamber, a floor-like partition across the hollow in said body and forming the floor of a second steam vapor chamber disposed on the opposite side of said partition, the outer wall of said body comprising a shell surrounding the last named chamber and being perforated to permit the egress of steam, a needle valve assembly comprising a sleeve disposed through the outer shell of said body and through said last named chamber and into said partition and having a passage leading from said steam pressure chamber through the end of said sleeve and into the second named chamber, an adjustable needle valve disposed in said sleeve and registering with said passage to regulate the flow of steam through said passage, said head adapted to couple onto a steam control valve attached between said head and a supporting steam supply line, said control valve being capable of operation by pressure exerted by material being pressed against the head for finishing.

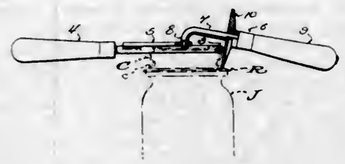
5. For combination with a steam finisher head of the kind described, a steam valve unit comprising an inlet and an outlet, said outlet adapted to screw into the head of the steam finisher, the inlet adapted to be attached to a steam supply line, said inlet being extended to form a cylinder having a head disposed towards said inlet, a port through said head, a valve member inserted through said port and threadedly attached unitary to a piston forming an extension of said outlet, the head of said valve member seating in said port, the head of said piston being perforated to allow steam to pass through said outlet, said valve member having a passage therethrough to permit steam to enter said outlet

when said valve member is seated across said port in said cylinder head, the inlet end and the outlet end of said steam valve unit being flanged, a compression spring surrounding the external side of said cylinder and being held in operative



position by the flanges, said inlet and outlet being movable toward one another to permit the egress of steam through said outlet, the passage through said valve member being open at all times.

2,271,147
FRUIT JAR COVER TOOL
Leonard Otto, Tomahawk, Wis.
Application October 9, 1939, Serial No. 298,643
1 Claim. (Cl. 81—15.1)

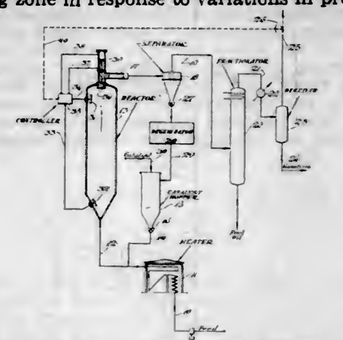


A fruit jar cover tool comprising, a resilient clamping loop for engaging the threaded periphery of a jar cover, the ends of said loop being normally spaced apart and provided with handles, a plate secured to a portion of said loop and extending inwardly and toward the center of said loop for engagement with the top of the jar cover to support the loop thereon, a rod provided with a handle at its outer end and a lateral extension at its inner end loosely projecting through said plate to allow movement of said handle in both horizontal and vertical planes, and a disc rotatably journaled on said rod and confined between the rod handle and the loop, said rod projecting downwardly at an incline to the horizontal and to said loop and plate, whereby to dispose the lower portion of the disc under said loop for engagement with the flared edge of the cover to turn the same downwardly upon rotation of said rod and downward exertion of force upon said handle.

2,271,148
HYDROCARBON CONVERSION WITH SUSPENDED CATALYSTS
Sam B. Becker, Chicago, and Everett A. Johnson, Park Ridge, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,542
9 Claims. (Cl. 196—52)

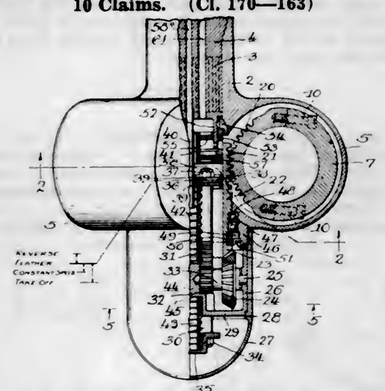
1. The method of controlling the concentration of dispersed solid material in a vertical, upflow fluid-solid contacting system which comprises

automatically varying the pressure in the contacting zone in response to variations in pressure



differential between the top and bottom of said contacting zone.

2,271,149
VARIABLE PITCH PROPELLER HUB CONSTRUCTION
Pierino Di Cesare, Oak Park, Ill., assignor to Di Cesare Offset Propeller Corporation, Chicago, Ill., a corporation of Illinois
Application February 19, 1940, Serial No. 319,573
10 Claims. (Cl. 170—163)

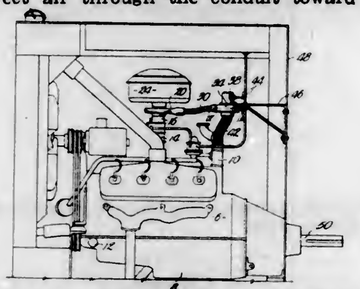


1. In a variable pitch propeller, the combination of a hub adapted to be mounted upon the driving arbor of the propeller shaft and provided with bearing members, propeller blades rotatably mounted in said bearing members, a bearing sleeve secured upon the inner end of each blade, a gear segment provided on each bearing sleeve, a sleeve having teeth meshing with the teeth on said gear segments, one or more rack bars adapted to reciprocate in said sleeve, gearing connecting said rack bar and sleeve for rotational movement of the blades and adjustment of their pitch in accordance with the thrust of the propeller, and means governing said adjustment.

2,271,150
FORCED DRAFT BREATHER SYSTEM FOR ENGINES
Adolph C. Dressler, Miami, Okla., assignor to Dieselair Corporation, Miami, Okla., a corporation of Delaware
Application January 20, 1940, Serial No. 314,852
3 Claims. (Cl. 123—119)

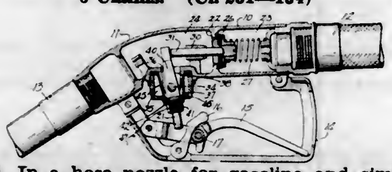
3. The combination with an internal combus-

tion engine having a crankcase and a carburetor provided with an air intake, of means for moving evolved vapors from within the crankcase to said air intake comprising a hollow head provided with an air intake port, an air outlet port in connection with the intake of the carburetor, and a vapor inlet opening; a conduit interconnecting the crankcase of the engine and said vapor inlet opening; an impeller in the conduit to direct air through the conduit toward the



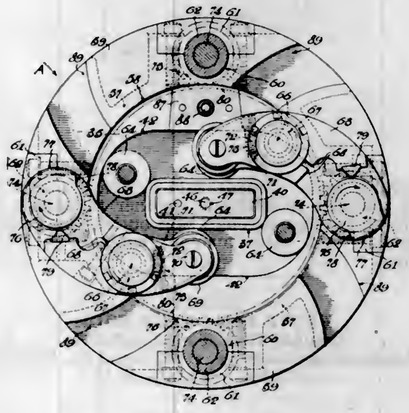
head; and means for driving the impeller, said head having a chamber therein between the air intake port and the air outlet port thereof in communication with the vapor intake opening, said chamber extending around the common axis of said air intake port and the air outlet port of the head whereby air passing from the intake port to the outlet port will draw vapors from the chamber as the impeller forces vapors from the crankcase into the chamber.

2,271,151
GASOLINE NOZZLE
Valentine Fina and William F. Hoelzer, Milwaukee, Wis., assignors to Milwaukee Valve Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 18, 1940, Serial No. 330,256
6 Claims. (Cl. 251—134)



1. In a hose nozzle for gasoline and similar fluids, the combination with a hollow casing laterally apertured and provided with inlet and outlet passages and an internally disposed valve seating with the fluid pressure and adapted for controlling fluid communication between said passages, of a lever provided with fulcrum means at a point outside the casing on the delivery side of the valve and having a portion projecting through said aperture for actuation of said valve, a cup-shaped flexible jacket composed of material impervious to gasoline and having an apertured bottom wall clamped to the operating end of the lever, said jacket enclosing the fulcrum means, with its inner margin expanded and fitted to the wall of the casing about the casing aperture, and a cup-shaped housing also having an aperture in its bottom through which the operating end of the lever extends and having its inner margin in clamping relation to the expanded margin of the jacket, one of the jacket clamping members on the lever being adapted to serve as a slide closing the housing aperture in all positions of lever adjustment.

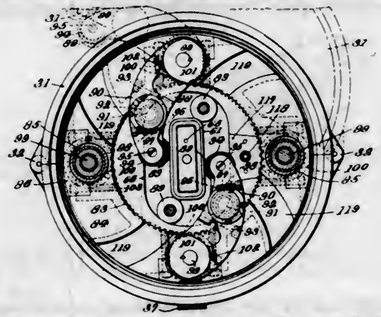
2,271,152
SQUARE CAN SEAMING HEAD
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 28, 1938, Serial No. 210,742
9 Claims. (Cl. 113—24)



1. In a seaming head for seaming oblong or generally square cans, the combination of a stationary chuck surrounded by a seaming lever control groove conforming to the shape of the chuck, a seaming head rotatable relative to said chuck, and seaming lever equipments bodily movable with and pivotally supported on the head and having thereon seaming rollers opposed to said chuck and cam rollers movable in said groove for positioning said equipments, said groove being defined in part by a removable outer wall portion, and said lever equipment being individually swingable outwardly about their pivotal mountings with their cam rollers movable through the clearance provided by removal of said wall portion, said head having cam roller clearing groove-ways shaped on arcs struck from the pivot centers of said levers and individually registerable with said clearance.

2. In a seaming head for seaming oblong or square cans, the combination of a stationary chuck surrounded by a seaming lever positioning groove conforming to the shape of the chuck, a seaming head rotatable relative to the chuck, four seaming levers bodily movable with the head and each swingably mounted thereon and having a positioning roller movable in said groove, a seaming roller support movably mounted on each lever and carrying a seaming roller engageable with a can seam on the chuck, said seaming rollers being disposed in two diametrically opposed pairs one pair comprising a preliminary first operation roller and a first operation finishing roller and the other pair comprising a preliminary second operation roller and a second operation finishing roller, and rotary cam means engageable with said supports for successively forcing first the first operation seaming rollers and then the second operation seaming rollers each an immediate step full seaming distance against the can seam and holding each there a seaming interval with each successively presented seaming roller coaxially aligned with the associated positioning roller and engaging the seam at a place partially seamed by the precedingly engaged seaming roller.

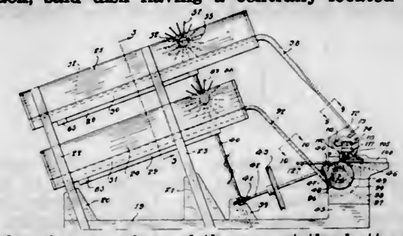
2,271,153
SQUARE CAN SEAMING HEAD
Alfred L. Kronquest and Otto A. Schmitt, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 27, 1939, Serial No. 306,366
4 Claims. (Cl. 113—24)



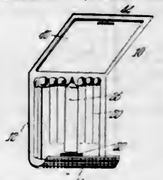
1. In a seaming head construction, a stationary chuck, a rotor rotatable relatively to said stationary chuck, shafts carried by and journaled on the rotor, a first lever and a second lever on the rotor each having a swinging movement independently of the rotor on the axes of the respective shafts and having cam follower cooperation with said stationary chuck, an arm pivoted on each lever, a first operation seaming roll mounted on said first lever carried arm and opposed to said chuck, a second operation seaming roll mounted on the second lever carried arm and opposed to said chuck, cams fixed on said shafts and engageable with the arms for providing pivotal motion of the arms independent of that of the levers, said cams being of different contour, the cam associated with the arm carrying the first operation seaming roll having a plurality of steps each effective to force the associated seaming roll a definite step distance against the seam being formed and each followed by a concentric dwell portion effective to hold the associated seaming roll for an interval against the seam being formed, and the cam associated with the arm carrying the second operation seaming roll having a single step effective to force the associated seaming roll a definite step distance against the seam being formed and followed by a concentric dwell portion effective to hold the associated seaming roll for an interval against the seam being formed.

2,271,154
WASHER AND BOLT ASSEMBLY MACHINE
Karl Niskanen, Fenton, Mich., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 13, 1937, Serial No. 179,401
7 Claims. (Cl. 29—84)

1. An assembling machine including, a rotatable disk having a plurality of pockets in its periphery, each of said pockets being adapted for the reception of a bolt head fed to the under-side thereof, said disc, upon rotation, being adapted for conveying said bolts individually from said under-side position and carrying the same around into upright position; means for maintaining the bolt heads in said pockets as they are conveyed; means for presenting washers, individually, to the bolts as they reach their upright position; a conveying track adapted for lifting said bolts, individually, out of the pockets on said disk after they have received their washers, each succeeding bolt forcing the preceding bolt along said lifting means as a conveying track, said disk having a centrally located peripheral groove formed thereon at the bottom of said pockets; and a tongue on the bottom of said track for engaging in said peripheral groove for sliding under the bolt heads carried by said disk.



2,271,155
BOOK MATCH
George H. Rapaport, Springfield, and Francis W. Stone, Holyoke, Mass.
Application January 9, 1940, Serial No. 313,075
1 Claim. (Cl. 206—29)

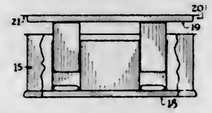


A pocket kit of the class described comprising in combination, a carrying member including a back cover part and a retaining part extending upwardly from the lower marginal edge thereof and in parallelism therewith and a front cover part extending from and hinged to the upper marginal edge thereof for swinging towards and away from a retaining position wherein it is substantially parallel with said back cover part and engageable with said retaining part, a body member including a supporting part and a plurality of matches extending upwardly therefrom and separable therefrom along a tearing line which extends transversely of the body member between the supporting part and matches, said supporting part being secured between said back cover and retaining parts, certain of the innermost matches being spaced apart to provide a vertically-extending article-receiving recess therebetween which extends downwardly into the upper portion of said supporting part to provide a socket, and a removable article having its lower end portion seated in said socket and its upper end portion disposed in said recess and having its opposite sides in frictional engagement with the adjacent sides of said certain innermost matches and with the opposite sides and bottom of said socket, all adapted and arranged whereby the article is substantially concealed from view when said front cover part is in said retaining position.

2,271,156
MULTIPLE COMPARTMENT FOOD CONTAINER
Isabel F. Walker, Chicago, Ill.
Application November 23, 1938, Serial No. 241,978
2 Claims. (Cl. 220—8)

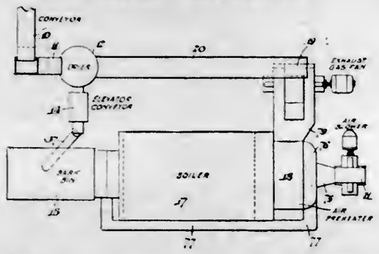
1. A compartment can for packaging foods of

different kinds comprising a base member, a cover member, spaced apart telescoping double walls or partitions interposed between said base and cover members to provide a plurality of separate food compartments, one of the telescoping



parts of the wall being attached to the cover member and the other telescoping part of the wall being attached to the base member, and beading means on the telescoping parts having a snap fit whereby same may be positively secured and readily assembled and disassembled.

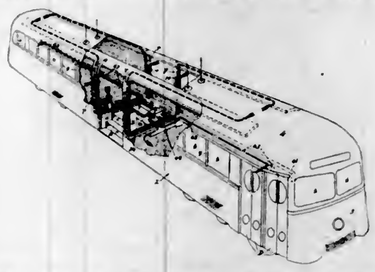
2,271,157
SYSTEM FOR BURNING BARK
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmerman, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application May 10, 1938, Serial No. 207,006
7 Claims. (Cl. 110—7)



1. The method of preparing and burning bark which includes reducing the moisture content of the bark with a stream of hot gases derived from the burning of the bark, preheating air with the same stream of hot gases, shredding the bark of reduced moisture content to a size such that it may be introduced and burned in suspension, projecting the shredded bark into a combustion space by a portion of the preheated air, supplying other portions of the preheated air to the combustion space at a plurality of locations, and burning the bark in suspension in the combustion space.

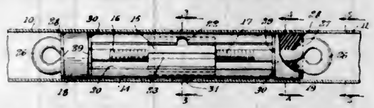
2,271,158
HEATING AND VENTILATING SYSTEM
Andrew T. Browne, Lansdowne, Pa., assignor to J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 14, 1940, Serial No. 323,939
8 Claims. (Cl. 237—5)

6. In a ventilating system for vehicles formed with a floor and side walls and a ceiling inclosing a passenger space, a substantially closed heating and ventilating circuit including the passenger space, a plurality of ceiling ducts opening into the passenger space, a plurality of wall ducts connected to each of the ceiling ducts, and a plurality of transverse ducts located beneath the floor and connecting the wall ducts together, adjustable means for admitting air to said circuit above said floor, power means including resistors inclosed in a housing arranged under and in spaced relation to said car floor, ventilating duct means constructed and arranged to provide a space between said housing and floor to prevent the transmission of heat from said resistors to said floor, said housing forming part of the heating and ventilating circuit and having ports in communication with said ventilating duct means and with the atmosphere, thermostatic means subjected to the temperature of the air in the passenger space for regulating the temperature



in said car by the regulation of said resistors, additional thermostatic means subjected solely to the temperature of the air circulating in said ducts for regulating the temperature of said car by discharging air from said housing to the atmosphere, a blower in said circuit for circulating air through the ducts and passenger space, a passage discharging air from said ventilating duct means and housing into said passenger space.

2,271,159
TUBE COUPLING
Emerick Brewster Crawford, Hamden, Conn., assignor to H. L. Judd Company, Inc., Wallingford, Conn., a corporation of Delaware
Application May 13, 1940, Serial No. 334,714
6 Claims. (Cl. 287—127)

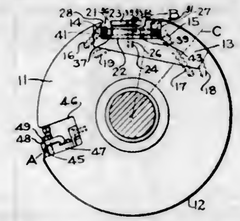


1. A coupling for tubes and the like including a rotatable member, reversely threaded elements engaged with said rotatable member for opposed axial movement by said rotatable member, axially compressible and peripherally expandable plugs carried by said elements and having non-rotational engagement therewith, and a member disposed between said plugs for receiving endwise thrust imparted to said plugs by said threaded elements whereby said plugs are compressed axially and expanded peripherally into the tubes within which they are disposed.

2,271,160
PLATE CLAMPING MECHANISM FOR PRINTING MACHINES
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 19, 1939, Serial No. 274,509
14 Claims. (Cl. 101—415.1)

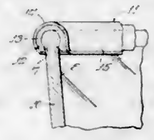
2. In a plate cylinder, means to clamp plates of different lengths about and upon the periphery of the cylinder including means to clamp a first edge of either a long or a short printing plate to the cylinder, and a removable and reversible segment having means to clamp a second edge of a relatively short plate to the cylinder

when the segment is secured to the cylinder in one manner and to clamp a second edge of a



longer plate to the cylinder when the segment is reversed.

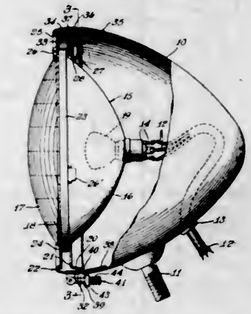
2,271,161
ART OF PACKAGING
Robert G. Peck, Jr., Chicago, Ill., assignor to The Aridor Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1939, Serial No. 290,946
1 Claim. (Cl. 215—40)



In a container package, the container having a brim of bulbous bead-like cross-section, the combination therewith of a closure having a continuous rim of relatively deep inverted horseshoe-arch cross-section facing downwardly and adapted to receive the brim of the container, the free edge of said rim being turned inwardly in a direction to form the horseshoe-arch cross-section, the said free edge being continuously unbroken adjacent the bead-like brim and following the contour thereof, and a gasket in said rim of at least semi-plastic rubber-like material also of horseshoe-arch cross-section and having an interlock with said brim, said gasket having initially substantially filled said rim and having flowed under pressure about said bead-like brim whereby to acquire said cross-section and provide said interlock in cooperation with said brim and rim.

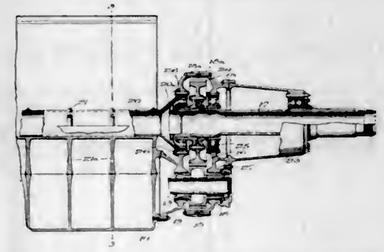
2,271,162
HEAD-LAMP CONSTRUCTION
Claud O. Sorrell, Kirksville, Mo.
Application January 29, 1940, Serial No. 316,259
2 Claims. (Cl. 240—41.5)

1. The combination of a lamp body having an opening and a radially and inwardly extending flange surrounding the opening, the said flange being formed with an inwardly offset portion at the juncture thereof with the body, a lamp having an external annular flange located within and spaced circumferentially inwardly from the flange of the body, an annulus extending radially outwardly from the lamp to the lamp body, the inner marginal edge of the annulus seating against the outer face of the external flange of the lamp, a band having the opposite marginal edge thereof rolled radially and inwardly, the outer marginal edge of the band being arranged to abut against the outer surface of the annulus and the inner rolled edge thereof seating snugly in the inwardly offset portion of the body flange, means detachably connecting the annulus with the lamp, said means comprising lugs on the flange of the lamp, bolts extending through the annulus and positioned outwardly of the lugs, and nuts threaded on the bolts and provided with portions for interlocking engagement with said



lugs, means detachably and yieldably holding the annulus in pressed engagement with the front marginal edge of the band, and means detachably connecting the band with the said lamp body.

2,271,163
AIRCRAFT CONSTRUCTION
Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application March 11, 1940, Serial No. 323,436
4 Claims. (Cl. 60—97)

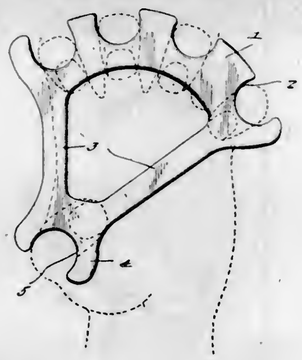


1. A propeller shaft mounting for aircraft in which the power unit comprises a crank case, a wholly separable gear housing located in front of said crank case, and a propeller shaft bearing in said housing, said propeller shaft mounting having, in combination, a cylindrical member provided with a forwardly flaring front end portion, means for securing said gear housing to said enlarged portion, said crank case having a longitudinally extending depression therein formed with an extended linear bearing surface for said cylindrical member, and means for rigidly securing said cylindrical member in said depression.

2,271,164
EXERCISING DEVICE
George Thomas Sullivan, Omaha, Nebr.
Application September 3, 1941, Serial No. 409,404
2 Claims. (Cl. 272—68)

1. As an article of manufacture, a hand exercising device to be clasped in the hand comprising a skeleton frame of flat material including an arcuate finger grip plate provided with outer edge notches for accommodating the fingers therein, a pair of side arms extending from the

inner edge of said plate in converging relation, and a thumb grip plate forming an extension of



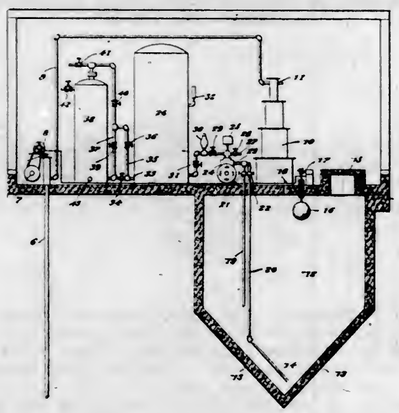
said side arms and provided with an outer edge thumb accommodating notch therein.

2,271,165

WATER CLARIFICATION AND SUPPLY SYSTEM

Harvey A. Watson, Whitehaven, Tenn.

Application October 7, 1940, Serial No. 360,185
3 Claims. (Cl. 210—16)



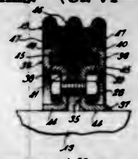
1. In a liquid purification apparatus, the combination of a well pump, an aerator connected by a pipe line to the well pump and into which said pump discharges, a sedimentation tank having an opening in communication with said aerator and into which the aerator discharges, a second pump connected by pipe lines to said sedimentation tank for drawing water from said tank, a pressure tank connected by a pipe line from the second pump and into which the said pump delivers, a water purifying device, a pipe line connecting the pressure tank and the water purifying device, a valve in said pipe line to cut-off the flow of water from the pressure tank to the purifying device, and a valve controlled outlet in said pipe line and communicating with the pressure tank ahead of the first mentioned valve whereby when the first mentioned valve is opened water is discharged direct from said tank.

2,271,166

BELT CONVEYER IDLER

Charles R. Weiss, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois

Application August 3, 1940, Serial No. 350,786
8 Claims. (Cl. 74—230.8)



1. In a belt conveyer idler, a central support, and a series of rolls mounted on said support in axially spaced relation, each of said rolls comprising a resilient, transversely split tire, and a two-part mount interposed between the tire and the support, one part of each mount being rigidly fastened to the central support to maintain the desired spacing between the respective rolls, and means for separably connecting the two parts of each mount to permit its tire to be individually replaced without disturbing any of the other tires and their mounts.

2,271,167

MOP CONSTRUCTION OR THE LIKE

Walter H. Zachry, Atlanta, Ga.

Application May 27, 1939, Serial No. 276,237
2 Claims. (Cl. 306—30)



1. In an implement head and handle construction, handle and head members, one of said members having a bore in one end, a screw threaded shank extending from the other member, a U-shaped liner disposed in said bore with portions at opposite sides thereof and formed of deformable material which is harder than the bore wall, the diameter of said bore being less than the maximum diameter of the shank, the ends of said U-shaped member being bent laterally to overlie the end and outer periphery of the bore providing member, anchoring means for said laterally bent ends of said liner, and said shank upon being forced into the said bore making sustaining indentations in said liner portions and the intermediate portions of the wall of the bore and causing said liner indentations to indent the underlying portions of the wall of said bore.

2,271,168

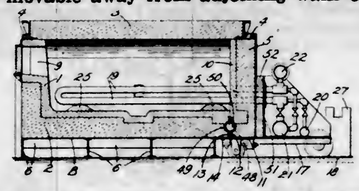
FURNACE

Tom Askew Booth, London, England, assignor to Stein & Atkinson Limited, London, England, a company of Great Britain

Application June 6, 1940, Serial No. 339,197
In Great Britain July 5, 1939
6 Claims. (Cl. 266—33)

1. A metal melting or molten-metal heating furnace comprising a furnace chamber having a side opening, a closure-forming movable wall normally closing said opening, an internally-fired heating-tube apparatus mounted in said wall and constructed to normally extend inwardly therefrom along and over substantially the whole area of the lower part of the chamber interior and to

be submerged in the metal within the chamber, and mounting means for said wall rendering the same movable away from adjoining walls of the



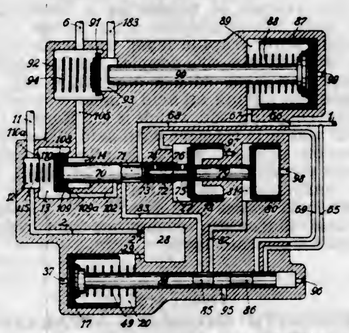
furnace with the heating-tube apparatus moving therewith from its normal location within the chamber.

2,271,169

CONTROL MECHANISM FOR POWER OPERATED GEAR SHIFTING APPARATUS

Carl Böttner, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany

Application October 30, 1937, Serial No. 172,021
In Germany October 31, 1936
10 Claims. (Cl. 137—139)



1. In a pressure operated gear shifting mechanism for motor vehicles a pressure line for supplying shifting pressure to the shifting mechanism, a control valve in the shifting pressure line controlling the supply of shifting pressure for the shifting mechanism, vacuum pressure-operated actuating means for the valve, an operating lever controlling the vacuum pressure supply for the actuating means independent of the shifting pressure line movable in one direction to initiate the supply of vacuum pressure to the actuating means and movable in the return direction to cut off the vacuum pressure from the actuating means, and means for causing the supply of vacuum pressure initiated by the lever first to operate the actuating means to open the valve and then to operate the actuating means to close the valve.

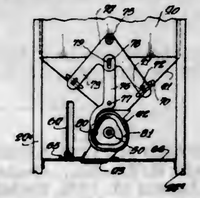
2,271,170

HOPPER

Hugo M. Danker, Berwyn, Ill.

Application July 20, 1939, Serial No. 285,608
1 Claim. (Cl. 221—120)

A feed hopper comprising a vessel having side walls with inclined bottom sections converging to a medial opening, end walls, units inwardly of said sections and movable along the inner sides of the same, said end walls having slots opposite the ends of the units and extending in the direction of their movement, and means to move the units toward and away from the opening respectively and simultaneously, said means comprising arches medially pivoted to stationary points at the ends of the hopper, means to oscillate the arches, and connections between the arms of the latter and the respective units, said



connections comprising pins projecting from the ends of the units through said slots for guidance of the units during their movements, and said arms having longitudinal slots for the entrance of said pins and of a length to allow for the arcuate travel of the arches in relation to said pins.

2,271,171

PROCESS FOR TREATING TUBERS TO DESTROY PARASITES

Willem Eduard de Mol, Amsterdam, Netherlands

No Drawing. Application January 18, 1940, Serial No. 314,561. In the Netherlands February 13, 1939
4 Claims. (Cl. 21—3)

1. Process for treating tubers in order to destroy parasites associated therewith which comprises subjecting a tuber in a closed space to contact with a mixture of carbon dioxide and oxygen containing from about 20% to about 50% by volume of carbon dioxide for at least about 24 hours at a pressure of at least about 10 atmospheres.

2,271,172

REAR SPROCKET WHEEL FOR CRAWLER TRACTORS

James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio

Application May 6, 1940, Serial No. 333,692
2 Claims. (Cl. 74—243)



1. A tractor chain drive sprocket comprising a centrally dished wheel disc having an offset radial flange, chain engaging teeth formed in said flange, and chain engaging toothed rings affixed to the sides of said toothed flange, the radially outer side edges of the toothed rings being inwardly beveled with the outer peripheries of the said disc and rings terminating in the same horizontal plane.

2,271,173

METHOD OF MAKING ARCHERY BOWSTRINGS

Nathaniel B. Lay, Pine Bluff, Ark.

Application May 20, 1940, Serial No. 336,216
6 Claims. (Cl. 57—162)

1. A method of making archery bowstrings

comprising connecting the ends of a strand of material to form a loop, padding the strand at predetermined spaced portions, and twisting the



unpadded portions of the loop together to form a pair of loops at the ends of the first-named loop.

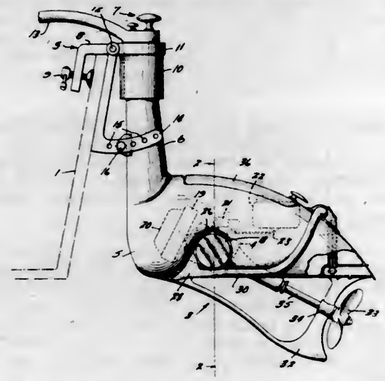
2,271,174

OUTBOARD MOTOR ASSEMBLY

Kenneth H. MacKay, Ocala, Fla.

Application August 17, 1938, Serial No. 225,452

4 Claims. (Cl. 115—18)



1. In a power plant construction for impelling boats, a housing that is adapted to be partially submerged in the water, an internal combustion engine mounted within the housing, the housing being so formed that the exhaust and cylinders are exposed to the water, and means to heat the water before it contacts the cylinders.

2,271,175

PORTABLE ROTARY GRATER

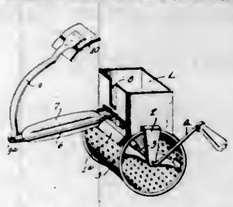
Jean Mantelet, Bagnolet, France, assignor to Mantelet & Boucher, Bagnolet, Seine, France

Application August 4, 1939, Serial No. 288,443

In Luxemburg December 30, 1938

4 Claims. (Cl. 146—177)

1. A grater of the type described, comprising in combination, a rotary cylindrical grater drum having outwardly radially projecting rims at its ends, a crankshaft extending through said drum, spider means for securely carrying said drum on said shaft, a hopper for the substance to be grated, mounted with and adjacent to one side of the drum, covering less than half of the periphery of same and having at its outlet a pair of opposite straight faced edges parallel with said shaft and a pair of opposite arcuate side edges generally at right angles to the straight faced edges and adjacent said drum rims, said edges slightly spaced from the drum and thus providing gaps between them and the adjacent surface elements of the drum, flanges at said straight hopper edges, extending outwards parallel with the drum so as to cause any substance that might leak through the respective gaps to be grated when passing under said flanges, said drum rims being adapted to close the gaps at the arcuate side edges of the hopper, the surface of said drum being free outside the hopper with its said flanges, and means secured to said hopper for holding same and means secured to the hold-



ing means for pressing the substance in the hopper toward the drum.

2,271,176

PROCESS FOR THE MANUFACTURE OF COLOR PHOTOGRAPHIC IMAGES

Béla Gaspar, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada

No Drawing. Application December 14, 1939, Serial No. 309,300. In Great Britain December 19, 1938

6 Claims. (Cl. 95—6)

1. The process of producing a reversed dye-image from a photographic silver image within a developed photographic layer uniformly impregnated with an azo-dye coupler, which comprises treating said layer with a diazonium salt in an acid solution having an acid concentration which prevents coupling and which is indifferent to said salt but which is reactive with said silver to form a reaction product which locally destroys the coupling property of said salt by reduction, thereafter neutralising said acid within said layer sufficiently to cause said azo-coupler to combine with said diazonium compound and removing the silver from said layer.

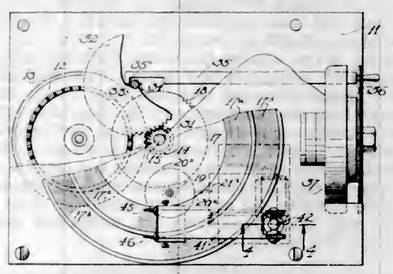
2,271,177

AUTOMATIC SIGNALING APPARATUS

Howard E. Marsh and Fritz Huhn, Ventura, Calif.

Application August 10, 1940, Serial No. 352,130

17 Claims. (Cl. 179—6)



1. In an apparatus of the class described, the combination with a telephone circuit, of a telephone dial switch mechanism in the circuit, said mechanism having a rotatable dial provided with manual means to facilitate the rotation thereof, resilient means tending to rotate the dial and close the switch mechanism, and thereby to close the telephone circuit, means engaging the dial for holding the dial against rotation and thereby holding the switch mechanism temporarily in an open position against the resilient force of the resilient means, and means for releasing the holding means.

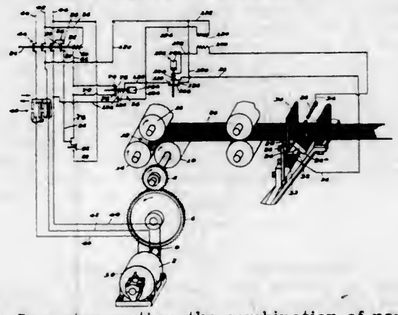
2,271,178

STOP MOTION

Conrad C. Blom, Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts

Application December 13, 1939, Serial No. 309,009

12 Claims. (Cl. 28—51)



1. In a stop motion, the combination of power operated means for advancing yarn, stop motion drop wires engaging the yarn, means for stopping said power operated means automatically when a wire falls as the result of broken or slacked yarn, a movable element advanced automatically when the power operated means is stopped by a fallen wire and means to prevent re-starting of said power operated means until said movable element has advanced for a predetermined time interval.

2,271,179

METHOD FOR PRODUCING LIGHT SHADES

Albrecht Blomberg and Hermann Blomberg, Berlin, Germany, assignors to American Firstoline Corporation, New York, N. Y.

Application May 26, 1939, Serial No. 275,931

4 Claims. (Cl. 154—2)



1. Process of producing light shades, comprising the steps of superimposing cellulose films with a cellulose derivative solution between said cellulose films on a shaped support, beating said superimposed cellulose films with said cellulose derivative solution therebetween until a light shade in shape of said support is formed, said beating being carried out in such a manner that the outer films of the thus formed light shade have wrinkles appearing when viewed by transmitted light as veins, drying said light shade and removing it thereafter from said support.

2,271,180

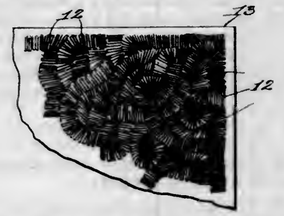
PACKING AND CUSHIONING ELEMENT

Delwin A. Brugger, Los Angeles, Calif.

Application May 22, 1939, Serial No. 275,002

4 Claims. (Cl. 154—54)

1. A packing and cushioning element comprising a backing sheet of thin, flexible material and a plurality of elongated resilient flexible bodies secured to said backing sheet, each of which bodies is composed of a zigzag folded narrow strip of thin, flexible material, the upper and lower fold portions connecting successive, similar rectangular sections which will be substantially



at right angles to said backing sheet, the upper exposed fold portions of the folded strips being adapted to resist applied crushing pressure.

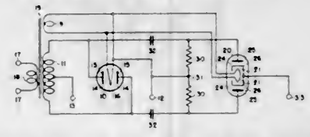
2,271,181

RECTIFIER SYSTEM

Robert B. J. Brunn, Chicago, Ill., assignor to Hazeltine Corporation, a corporation of Delaware

Application November 2, 1939, Serial No. 302,556

13 Claims. (Cl. 175—363)



1. A rectifier system comprising, a rectifier having an alternating current input circuit and a load circuit across which there is developed a first rectified potential, means for providing a second rectified potential higher than said first rectified potential comprising an energy-storage means, a bilaterally-conducitive circuit coupling said energy-storage means to said input circuit through said load circuit, a second rectifier, and means for effectively coupling said energy-storage means and said second rectifier in series across said input circuit, said last-named means comprising a load circuit across which there is developed said second rectified potential.

2,271,182

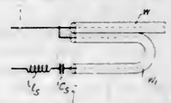
ARRANGEMENT FOR ELECTRICALLY COUPLING AN UNBALANCED LOAD WITH A SYMMETRICAL VOLTAGE SOURCE OR VICE VERSA

Werner Buschbeck and Heinz Zumbusch, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 31, 1940, Serial No. 354,936

In Germany July 20, 1939

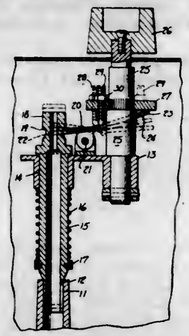
7 Claims. (Cl. 178—44)



1. In a high frequency transmission system for operation over a wide range of frequencies, a balanced two-wire power line, a concentric power line, a connection from one side of the two-wire line to the inner conductor of the concentric line, an auxiliary concentric line having its inner conductor bridged across the two sides

of the two-wire line, said auxiliary concentric line having an electrical length which is approximately an odd multiple of half a wave length at the mean operating frequency of said wide frequency range, the characteristic impedance of said auxiliary concentric line being in the neighborhood of sixty percent greater than the characteristic impedance of the concentric power line, and a reactive network series resonant at said mean operating frequency in one of said lines adjacent its connection to the other of said lines, whereby the reactance of the other of said lines as viewed from said one of said lines is maintained small over said range.

2,271,183
METERING VALVE
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application July 25, 1940, Serial No. 347,411
9 Claims. (Cl. 251—132)

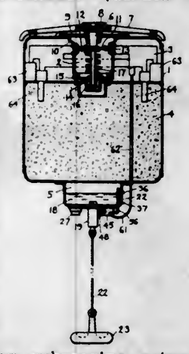


1. A metering valve comprising a valve seat, a reciprocable valve stem, a spring biasing the stem toward closed position, an operating shaft adjacent the valve stem and mounted for movement about the shaft axis only, a rockable lever extending in a generally radial direction from the stem and pivoted on a horizontal axis located between the stem and shaft and having one end in engagement with the valve stem to move it against the spring and hold it in variable open positions, the other end of the lever having a surface inclined with respect to the shaft axis when the valve stem is seated, and an arm carried by the shaft and engageable with the inclined surface of the lever during the turning of the shaft whereby the valve stem may be shifted to various open positions, the arm contacting the inclined surface at greater distances from the axis of the lever and from the valve stem as the valve is opened wider whereby the leverage ratio varies.

2,271,184
STAPLE FIBER AND YARN
Camille Dreyfus, New York, N. Y.
No Drawing. Application December 31, 1940, Serial No. 372,499
6 Claims. (Cl. 28—1)

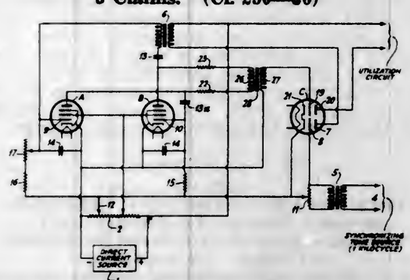
1. A blend of staple fibers comprising artificial staple fibers of irregular length from one to twelve inches and of substantially uniform denier along their individual length mixed with artificial staple fibers having thick and thin portions along the length thereof and having a denier between one and fourteen.

2,271,185
FLOATING SUBMARINE MINE
Leonid A. Dunajeff, New York, N. Y., assignor to Commercial Ingredients Corporation, New York, N. Y.
Application April 20, 1938, Serial No. 203,031
10 Claims. (Cl. 102—3)



1. A floating submarine mine comprising a housing for an explosive substance weighted approximately to density of water, a closed container in the housing forming a chamber for air and water, a water pump connected with the container, a member operatively connected with the pump and having inertia to the moving water different from the inertia of the mine, the member being thereby adapted to reciprocate in relation to the mine when the mine is oscillating under action of waves in a body of water and to operate the pump, the pump being adapted to pump water into the container thereby rendering the mine heavier and causing it to sink, a hydrostatic valve adapted to release water from the container at a predetermined depth thereby causing the mine to rise, means to cause the mine to explode when contacted by a moving object, a counter, means to operate the counter by the relative movements between the mine and the reciprocating member, and means to render the explosive means operative after the counter has recorded a predetermined number of oscillations.

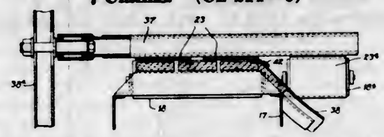
2,271,186
SHORT DOT GENERATOR
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 7, 1939, Serial No. 277,867
5 Claims. (Cl. 250—36)



1. A short dot keying device comprising a synchronizing source for producing a wave the frequency of which is a multiple of the frequency of the dots to be generated, a generator of the

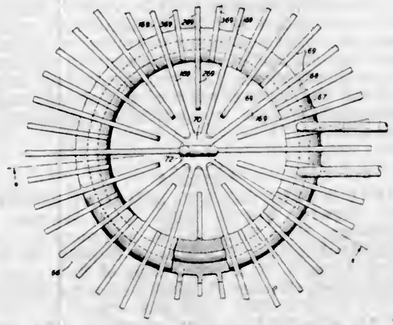
multivibrator type embodying two electron discharge tubes A and B, having output circuits and control electrodes, control circuits for said tubes, the control circuit for tube A being inductively coupled to said synchronizing source and electrostatically coupled to the output circuit of tube B, the output circuit for tube A being electrostatically coupled to the control electrode of tube B and including the primary winding of a transformer, an electronic amplifier having an input circuit which includes the secondary winding of said transformer, a utilization circuit in the output of said electronic amplifier, and means for limiting the conductive state of said amplifier to a period commensurate with the short keying dots and for maintaining said amplifier biased to cut-off during the remaining period of conductivity of tube A.

2,271,187
SHEET HANDLING APPARATUS
John E. Fortescue, Alcoa, and Harold H. Greer, Maryville, Tenn., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1939, Serial No. 294,488
7 Claims. (Cl. 214—6)



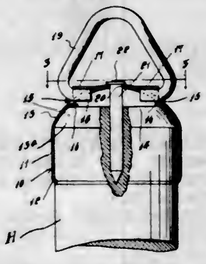
1. A sheet-piler comprising a conveyor adapted to receive successive sheets to be stacked in a pile, means for actuating the conveyor to advance the sheets, the major transverse portion of each sheet overhanging one edge of the conveyor, means cooperating with said conveyor for holding the sheets down on the conveyor, each sheet automatically tilting relative to the conveyor and gravitating sidewise therefrom when the rear end of the sheet passes said holding means, and means arranged along said edge of the conveyor to receive said gravitating sheets and to project them substantially horizontally, for gravitational flatwise discharge into a pile.

2,271,188
MATERIAL DISPENSING APPARATUS
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 14, 1939, Serial No. 250,941
8 Claims. (Cl. 219—44)



1. Apparatus for melting and dispensing material solid at normal temperatures and having the peculiar physical characteristics of asphalt, comprising a tank and a heating unit in said tank, said heating unit comprising a plurality of vertical fins extending substantially throughout the area of the tank and the upper edges of the fins forming a grille for the reception of material to be melted, and a heat generating member in heat conducting relation to said fins.

2,271,189
SUSPENDING CAP FOR BROOM HANDLES AND THE LIKE
Ralph D. Garthwait, deceased, late of Waterbury, Conn., by Helen M. Garthwait, administratrix, Waterbury, Conn., assignor to Helen M. Garthwait, Waterbury, Conn.
Application December 8, 1939, Serial No. 308,279
1 Claim. (Cl. 248—359)

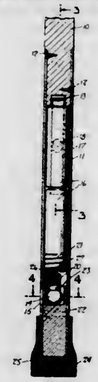


In a suspending cap for broom handles and the like, in combination, a handle having its end portion beveled, a suspending cap mounted on the end of the handle and constructed to engage the beveled end portion and adjacent side portion of the handle, a suspending link pivotally attached to the cap adjacent the outer end thereof outwardly of the beveled portion of the handle and means carried by said cap inwardly of the link pivot adapted to be moved into engagement with the end of the handle at the extremity of the beveled portion and cooperating with the adjacent portion of the cap for limiting inward movement of the cap on the handle and spacing said link pivot from the handle, said means comprising lugs struck inwardly from opposite sides of the cap providing pivot openings outwardly thereof for the suspending link and the upper wall of the cap outwardly of said openings and in overlying relation to said lugs being upwardly arched to provide said link pivots above said openings, the lower edge of the cap being spun inwardly for bighting engagement with said handle and an anchor nail extending into the outer end of the cap and engaging in said handle.

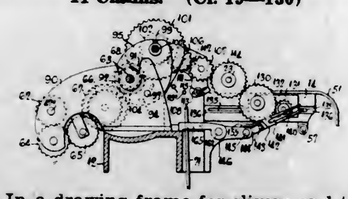
2,271,190
CANE, WALKING STICK, OR THE LIKE
Charles V. Giaimo, Irvington, N. J.
Application June 8, 1940, Serial No. 339,424
8 Claims. (Cl. 240—6.42)

1. In an electrically lighted cane, walking stick or the like, a shaft, a tubular member at the lower end of the shaft of uniform diameter to receive a dry battery and having a side opening spaced from its lower end, a battery above the side opening, a control switch cooperable with the upper battery terminal, a lamp opposite the side opening, and having its center contact opposite the lower terminal of the battery, and a transparent plug inserted into the tube and having a recess to receive the lamp and of

a depth to hold the lamp contact against the battery terminal, the side wall of the recess closing the opening to protect the lamp and permit passage of light.



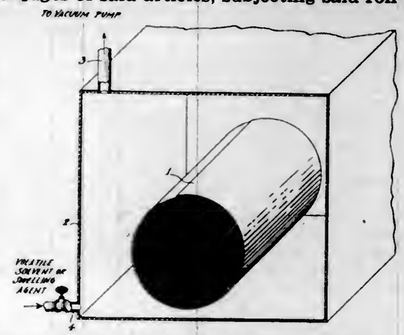
2,271,191
ADJUSTABLE DRAWING FRAME
Bryant W. Gossett and Walter Casbin Lineberger, Gastonia, N. C., assignors to Bryant W. Gossett, Gastonia, N. C.
Application October 5, 1940, Serial No. 359,850
11 Claims. (Cl. 19—130)



1. In a drawing frame for slivers and the like, having a plurality of sets of drafting rolls between which the strands pass with means for varying the distance between said sets of rolls and having also a train of interconnecting gears for driving said rolls, means for adjusting the position of the rolls to vary the distance therebetween, means for individually adjusting the position of some of the gears to cause the length of the train to conform to the adjustment between the sets of rolls, a stop motion lever and a second train of adjustably mounted gears driven by said first train, said second train also being adjustably mounted for movement relative to the stop motion lever, said lever having a sliding connection with said second train of gears whereby said second train of gears can be moved relative to said lever when the length of the first train of gears is varied, while maintaining connection between the stop motion lever and the second train of gears.

2,271,192
PROCESS OF TREATING PLASTIC SHEETS
Gerhard Hinz, Berlin-Schoneberg, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York
Application November 18, 1938, Serial No. 241,204
In Germany November 18, 1937
1 Claim. (Cl. 18—56)

The process for improving articles cut or stamped from sheets of organic, film-forming, plastic masses which comprises rolling said articles into a roll, the edges of which comprise the cut edges of said articles, subjecting said roll to a



vacuum, and applying a swelling agent or solvent thereto sufficient to cause swelling of the cut edges only.

2,271,193
INDUSTRIAL THERMOMETER
August B. Hohmann, New York, N. Y.
Application April 17, 1941, Serial No. 389,050
14 Claims. (Cl. 73—374)



12. In an industrial thermometer having a casing, a temperature indicating unit removably supported within the thermometer casing, comprising a transparent capillary tube terminating in a bulb and having an expansible medium therein, a metal sheath encircling the capillary tube and having a cut-out portion through which the expansible medium may be viewed, said bulb being surrounded by a body of solidified metallic paste constituted of a silver amalgam having a neutral coefficient of expansion within the range of the thermometer, in direct contact with said bulb and the lower portion of said sheath and of sufficient thickness to constitute a support for said bulb.

2,271,194
ADJUSTABLE SEWING MACHINE LIGHT
Max Ingwer, Forest Hills, and Werner W. Schwarz, New York, N. Y., assignors to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application October 10, 1940, Serial No. 360,574
5 Claims. (Cl. 248—122)

5. An adjustable sewing machine light, comprising substantially U-shaped clamp members of springy sheet material disposed one within the other with the back portions of the same in opposition and the side arms of the same in overlapping relation, said side arms having openings therethrough substantially registering in an untensioned condition of the clamp members, a lamp carrying arm extending through said opening in the overlapping side arms of the substantially U-shaped clamp members longitudinally and rotatably adjustable therein in the untensioned relation of said clamp members, a support interposed between the opposed back portions of the clamp members and means connecting said opposed back portions at opposite sides of said interposed support adjustable for springing said back portions together in clamping engagement on the interposed support and for effecting consequent relative displacement of said overlapping side arms of said clamp members to clampingly engage and hold the lamp carrying arm extending through the openings in said side arms.

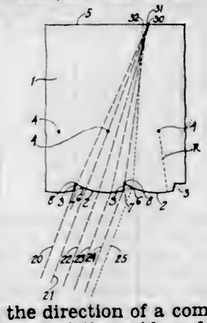


2,271,195
MINE OR SIMILAR CAR
Robert W. Joy, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1940, Serial No. 319,898
15 Claims. (Cl. 105—179)

1. A mine or similar rail car comprising a lading body having a floor and side walls, pedestals secured to and extending below said floor adjacent each side and end of the car, center bearings secured to said pedestals for rotation about a substantially vertical axis, and independent wheel carrying frames pivotally connected to each of said center bearings at opposite sides thereof for rotation in substantially vertical planes.

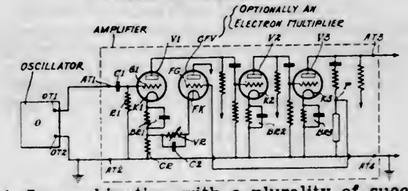
2,271,196
SCREEN FOR STRIPE-COMPOSITE STEREOSCOPIC PICTURES
Nicholas T. Kaszab, New York, N. Y.
Application July 19, 1939, Serial No. 285,247
2 Claims. (Cl. 88—1)

1. The herein described screen for stereoscopic pictures, comprising a substantially straight transparent sheet having on one, the front, surface thereof a plurality of parallel convex focusing elements of equal focal lengths, each focusing element being slightly tilted in relation to the next element, so that all focusing elements



will face in the direction of a common imaginary center, in front of the said surface, the convex surface of each focusing element being joined to the convex surface of the next focusing element by a plane surface, the rear plane surface for said sheet substantially being in the focal plane of said focusing elements.

2,271,197
FEEDBACK CIRCUIT ARRANGEMENT
Oswold Edward Keall, Summerseat, West Hanningfield, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,525
In Great Britain January 12, 1939
7 Claims. (Cl. 179—171)

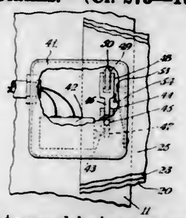


1. In combination with a plurality of successive electron discharge tube stages, a feed-back circuit arrangement comprising at least one discharge tube having a high mutual conductance and having input and output circuits, said input circuit being coupled to the output side of a succeeding one of said stages, a cathode resistor connected between ground and the cathode of a discharge tube in a preceding one of said stages, and a connection from an intermediate point on said cathode resistor to the cathode of the tube in said feed-back circuit.

2,271,198
PRODUCTION OF TEXTILE MATERIALS
Arthur Lyem, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 30, 1939, Serial No. 282,154
12 Claims. (Cl. 28—1)

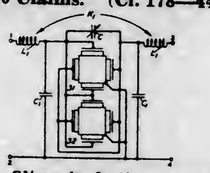
1. Process for the production of an identification marker, which comprises treating a fabric containing organic derivative of cellulose yarns having a denier of at least 300 with a solution of a plasticizer in a volatile solvent therefor, and drying the fabric at a temperature of substantially 70 to 80° C. in the absence of pressure.

2,271,199
CINEMATOGRAPHIC TARGET
Irving F. Mandell, New Brunswick, N. J., assignor to Lydia B. Koch, New York, N. Y.
Application February 8, 1941, Serial No. 378,027
8 Claims. (Cl. 273—105.1)



1. A cinematographic target embodying therein a target structure comprising a main frame, a frame forming a sight opening having vertically extending side bars, a plurality of guide rollers above and below said sight opening frame, a support for a roll of continuous web passing about said guide rollers in closely adjacent parallel reaches, a rewind mechanism for said web, a switch mechanism rearwardly of said sight opening frame for controlling a circuit for the operation of a projector, and actuating means embodying therein a laterally movable member operative upon a movable contact of said switch mechanism and engageable with the face of the innermost reach and adjacent the edge of the plies of said movable web, whereby said switch mechanism will be actuated as a result of bulging of said web from resistance to the passage of a bullet therethrough.

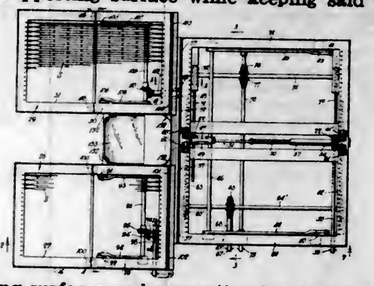
2,271,200
WAVE FILTER
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1939, Serial No. 285,237
20 Claims. (Cl. 178—44)



1. A wave filter including as an impedance element an electromechanical vibratory system comprising a mechanical vibrator having four sides, four piezoelectric plates secured respectively to said sides and means for making electrical connections to said plates, said plates being centrally disposed with respect to the length of said vibrator.

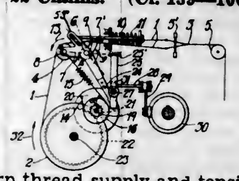
2,271,201
HOSPITAL BED
Otto Mehr, North Bergen, N. J.
Application May 23, 1938, Serial No. 209,482
4 Claims. (Cl. 5—66)

1. In a hospital bed, an upper and lower portion, said lower portion divided longitudinally to form two leg-supporting surfaces, separate supporting legs and framework for each surface adapted to support each surface separately on the floor upon which the bed rests, means for separating said leg-supporting surfaces and supporting legs and framework to leave an unobstructed passageway therebetween, or for bringing said surfaces and the supporting legs and framework therefor together to form a continuous supporting surface while keeping said sup-



porting surfaces and supporting legs and framework in substantially parallel relationship to each other.

2,271,202
WARP CONTROL IN POWER LOOMS
Albert Moessinger, Winterthur, Switzerland, assignor to Gebrueder Sulzer, Aktiengesellschaft, Winterthur, Switzerland
Application April 5, 1939, Serial No. 266,099
In Switzerland May 23, 1938
22 Claims. (Cl. 139—100)



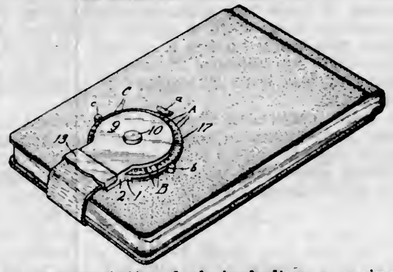
1. A warp thread supply and tensioning mechanism for power looms including a loom drive, a warp beam, a warp tensioning beam, a brake connected with said warp beam, a periodically acting locking mechanism connected with said tensioning beam and with said loom drive and with said brake and periodically locking said tensioning beam and said brake in their positions before the beat, and connecting means connected with said brake and with said tensioning beam for rendering the operation of said brake dependent on the position of said tensioning beam when said locking mechanism is unlocked.

2,271,203
AMPLITUDE-LIMITING SIGNAL-TRANSLATING CHANNEL
Jasper J. Okrent, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 28, 1940, Serial No. 337,653
13 Claims. (Cl. 178—44)



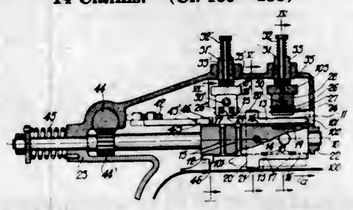
1. A signal-translating channel comprising, an input circuit adapted to have applied thereto signals to be translated, an output circuit including an impedance, means for translating signals of limited amplitude from said input circuit to said output circuit comprising a vacuum tube coupled between said input and output circuits to develop across said impedance signal potentials, space-charge electrodes within said tube to limit the amplitude of the half-cycles of one polarity of said developed potentials by current saturation of said tube, and means for so biasing said tube that the amplitude of the half-cycles of opposite polarity of said developed potentials is limited by current cutoff of said tube.

2,271,204
COMBINATION LOCK
William A. Peters, Chicago, Ill.
Application April 10, 1940, Serial No. 328,809
20 Claims. (Cl. 70—58)



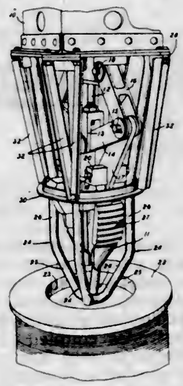
1. A commutation lock including a casing of mainly cylindrical contour composed of a top member and a bottom member equipped respectively with downwardly and upwardly projecting flanges disposed in staggered relation to each other with the ends of the flanges of one member abutting the ends of those of the other to prevent relative rotation of said members, the relative heights of the flanges of the respective members being such as to cause their opposed horizontal edges to define a plurality of horizontal slots in the cylindrical contour portion of the peripheral wall of the casing disposed at respectively different elevations and spaced arcuately from each other, and flat sheet metal members rotatable on the axis of said casing portion and disposed in alignment with the several respective slots and equipped with operating levers projecting through the latter.

2,271,205
SHUTTLE BOX
Erwin Pfarrwaller, Winterthur, Switzerland, assignor to Tefag-Textil-Finanz A. G., Winterthur, Switzerland, a corporation
Application June 28, 1939, Serial No. 281,516
In Switzerland July 2, 1938
14 Claims. (Cl. 139—183)



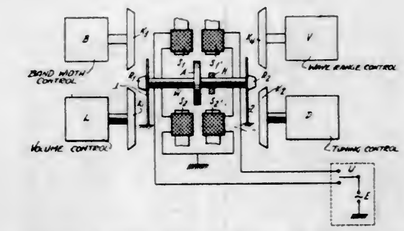
1. In a loom for weaving, shuttles, a shuttle box having rigid interior wall forming members and a mouth portion through which said shuttles enter said box, said mouth portion having side walls formed by laminae extending in the direction of the movement of the shuttles and being resilient in a direction transverse to said direction of movement, said laminae extending into the interior of said shuttle box and lining interior wall portions thereof, and additional resilient means disposed on the back of said laminae and in between said laminae and said rigid interior wall forming members.

2,271,206
GUIDING DEVICE
Robert R. Pollard, East Orange, and Wilson W. Rea, Chatham, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,642
8 Claims. (Cl. 294—95)



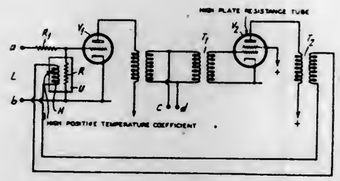
1. A guiding device for a lifting grapple having article engaging elements, the guiding device comprising guide members spaced for the movement of the elements therebetween and formed to guide the elements into a hollow article, and means to guide the article into a receptacle.

2,271,207
REMOTE CONTROL ARRANGEMENT
Eduard Rhein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 23, 1939, Serial No. 291,502
In Germany August 29, 1938
3 Claims. (Cl. 172—239)



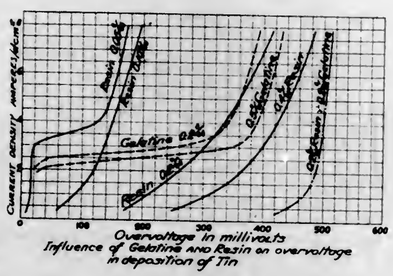
1. In an electric motor, a pair of stator members, a rotor member, said rotor member being axially shiftable in either direction, means biasing the rotor to a central position relative to the stator members, one of said stator members being mounted in a plane extending at right angle to the axis of the rotor member which plane is displaced to one side of said central position of the rotor, the other stator member being mounted in a plane parallel to the plane of the first mentioned stator member and displaced a substantially equal amount on the other side of the central position of the rotor, and switching means for selectively energizing either of said stators so that the axially shiftable rotor member is drawn into operative influence of the field of the particular stator energized.

2,271,208
RESISTANCE DEVICE
Bruno Sauer, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application October 18, 1940, Serial No. 361,650
In Germany August 7, 1939
2 Claims. (Cl. 179—171)



1. In a wave transmission system having input and output circuits, a temperature-dependent resistance element connected in the input circuit to control the attenuation thereof, a heater element for said element, an electron discharge tube having input electrodes coupled to said output circuit, means coupling said heater element to the output electrodes of said tube, the internal resistance of said tube being high compared to the resistance of said heater element, said heater being composed of a material having a high positive temperature coefficient.

2,271,209
ELECTRODEPOSITED TIN AND PROCESS OF ELECTRODEPOSITION
Max Schlötter, Berlin, Germany, assignor, by mesne assignments, of one-half to United States Steel Corporation, New York, N. Y., a corporation of New Jersey, and one-half to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey
Application October 28, 1937, Serial No. 171,420
In Germany June 5, 1934
5 Claims. (Cl. 204—54)



1. A process of electro-plating tin which comprises passing an electric current from a tin anode to a cathode to be electro-plated through an aqueous solution of an aromatic sulphonate of tin, said solution containing colloidally dispersed phenolic resins and glue in proportions to form electro-positive colloidal aggregates, and conducting said electrolysis at a current density of from 2 to 6 amperes per square decimeter.

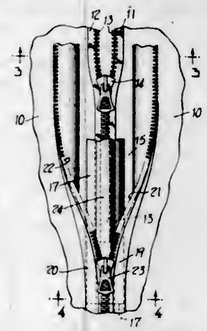
4. A base metal having a bright or glossy electrodeposit of tin the crystals of which have a size approximating the wave length of light and are all orientated in the same direction.

2,271,210
METHOD OF JOINING METALLIC MEMBERS AND JOINT THEREBY PRODUCED
Marvin R. Scott, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application December 3, 1938, Serial No. 243,779
5 Claims. (Cl. 113—112)

1. Method of forming a strong, corrosion-resistant joint in zinc-coated iron, which comprises bonding at least two adjacent surfaces of such zinc-coated iron with a fusion deposited aluminum base alloy having a melting point below about 1200° F., whereby the zinc coating in the vicinity of the joint so formed is substantially unimpaired.

3. Joint comprising at least two adjacent zinc-coated iron members having an unbroken zinc coating, said members being bonded by a fusion deposited aluminum base alloy having a melting point below about 1200° F.

2,271,211
FASTENING DEVICE
Jack Potter Stockton, Spring Lake, N. J.
Application May 6, 1939, Serial No. 272,091
8 Claims. (Cl. 2—96)

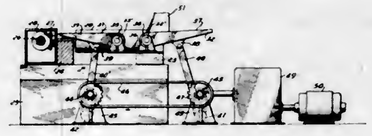


1. In a water-tight and gas-tight article or the like, the combination with the flexible impervious material of which the article is made and provided with an opening, and a slide fastener for closing the same, of flaps of similar material on opposite sides of the opening, the flaps forming an outer opening, a slide fastener to close the same, a third flap secured to the article between the opening and one of the other flaps, a split tube of compressible material secured to the third flap and adapted to overlie the first slide fastener, the tube being compressed transversely when the outer opening is closed by the second slide fastener.

2,271,212
TREATMENT OF PLANT GROWTHS
Charles G. Tenger, Savannah, Ga.
No Drawing. Application January 11, 1940, Serial No. 313,343. In Canada March 9, 1937
5 Claims. (Cl. 21—50)

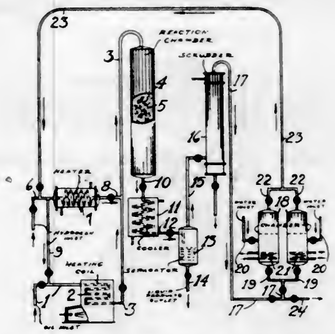
2. The process of treating wood which comprises applying to the end of a freshly cut green log a sugar solution having osmotic action on the wood and causing said solution to travel through the log toward its opposite end while maintaining the temperature of the solution below that which would cause appreciable swelling of the wood fibers and obstruction to penetration of the solution.

2,271,213
METHOD AND APPARATUS FOR MANIPULATING SLABS AND THE LIKE
William C. Weidner, Wood-Ridge, and Arthur M. Keller, Springfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application November 13, 1937, Serial No. 174,286
20 Claims. (Cl. 29—81)



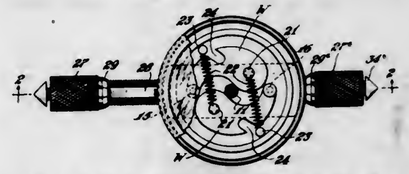
1. A method of overturning a steel slab or the like initially supported horizontally upon a conveyor, such method comprising rotating said slab upwardly and through an angle of 180° about one of its edges that extends lengthwise of said conveyor, while keeping such edge in contact with and supporting the slab upon said conveyor, by engaging said slab with pairs of cooperating arms upwardly rockable about laterally fixed spaced axes; effecting a limited lateral displacement of said edge while supported on said conveyor by controlled rocking movements of said arms; and, after the slab has been rotated through 90° and during the downward portion of such rotation, continuously applying resistance against said edge of said slab by said arms in contact therewith to prevent displacement of the slab laterally off the conveyor and to restore the slab to substantially its initial location on the conveyor but in an inverted horizontal position.

2,271,214
SEPARATING HYDROGEN FROM GASEOUS HYDROCARBONS
Albert B. Welty, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 15, 1939, Serial No. 256,415
4 Claims. (Cl. 23—210)



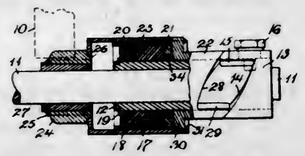
1. Process for increasing the concentration of free hydrogen in a gas comprising substantial quantities of free hydrogen and hydrocarbons of one to three carbon atoms which comprises exposing said gas to the action of water under superatmospheric pressure and at a low temperature above the freezing point of water under conditions such that solid hydrates of the hydrocarbons may form, and then separating the remaining gas from the solid hydrates.

2,271,215
TACHOMETER
Preston Whitcomb, Bridgeport, and Henry S. Moore, Easton, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application July 1, 1941, Serial No. 400,708
2 Claims. (Cl. 264—2)



1. In a tachometer, a rotary driving part designed to receive motion from the device whose speed is to be determined, a driven part so associated with the driving part as to permit progressive variation in the speed ratio between said parts, an element which is carried by and which rotates bodily with said driven part and which is so constructed and arranged as to move from a normal to an abnormal position when the speed of the driven part attains a definite predetermined value, and adjusting means for varying the speed ratio of the driving and driven parts, said adjusting means including a relatively movable micrometer screw and cap, the position of the cap axially of the screw always bearing a definite and direct relation to the speed ratio between the driving and driven parts, the cap and screw being indexed to indicate the speed of rotation of the driving part at the instant at which said element moves from normal to abnormal position.

2,271,216
STARTING DEVICE
Samuel Ysskin, Newark, N. J.
Application July 26, 1940, Serial No. 347,577
6 Claims. (Cl. 74—9)

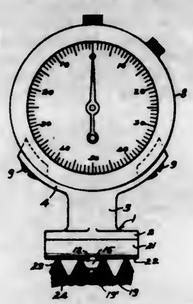


1. An engine starter comprising a motor shaft, a cam secured on the motor shaft and having two cam surfaces each extending for half the circumference, a companion cam fitting into the first cam and slidable relative to the shaft, a casing secured to the second cam and including a pinion on the end, a cushion inside the casing, means on the shaft for securing the cushion against sliding relative to the shaft and in the path of the second cam, the throw of the cams and the compression of the cushion being proportioned to allow the cam to over-ride when the cushion is compressed beyond normal operation strain.

2,271,217
THREAD HEIGHT GAUGE
Charles H. Allen and Rosslyn C. Allen, Pittsburgh, Pa.
Application August 7, 1940, Serial No. 351,744
1 Claim. (Cl. 33—199)

In a screw thread gauge of the character de-

scribed, the combination with an indicator including an actuating member, of an anvil pro-



vided with a bore secured to the indicator, a spring controlled guide sleeve shiftably seated in said bore, said sleeve having a tapered portion normally projecting beyond the bottom of said anvil, a contact element carried by said member and extending through said sleeve, the free end of said element normally projecting beyond the free end of said tapered portion of said sleeve.

2,271,218

METHOD OF DECOMPOSING MAIZE STRAW FOR TEXTILE PURPOSES

Friedrich Baudisch, Vienna, Germany

No Drawing. Application August 17, 1938, Serial No. 225,343. In Austria August 31, 1937

2 Claims. (Cl. 92—10)

1. A method of producing spinnable textile fibers from corn straw, which method comprises the steps of boiling the straw with 1–5% soda solution, washing and squeezing the material to remove the leafy parts, then boiling for a short time with a 1–3% urea solution, leaving the material in said urea solution for about 3 to 4 hours adding to the urea solution a solution of 1–3% alkali, boiling once more for 1 to 3 hours thereby evolving free ammonia, and washing, drying and disintegrating so as to form fibers.

2,271,219

DRY PLATE ELEMENT AND METHOD OF PRODUCING THE SAME

Fritz Brunke, Berlin-Reinickendorf, and Werner Koch, Glienicke Nordbahn, Germany, assignors to General Electric Company, a corporation of New York

Application August 22, 1939, Serial No. 291,410

In Germany August 23, 1938

8 Claims. (Cl. 175—366)



1. The method of producing a dry plate element having a carrier electrode coated with semiconductor material comprising selenium applied as a vapor to said electrode heated simultaneously with the application of said vapor thereto to form thereon a crystalline layer, which includes heating in air said coated electrode subsequently to a still higher temperature to coarsen the texture of said layer, said layer being exposed to said air during said subsequent heating, and subjecting said coated electrode to a rapid cooling to maintain said coarsened texture.

2,271,220

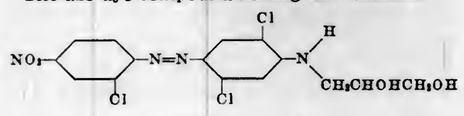
AZO COMPOUND AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and John R. Byers, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1940, Serial No. 317,007

1 Claim. (Cl. 260—205)

The azo dye compound having the formula:



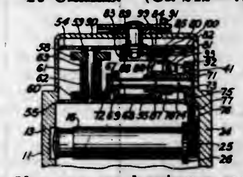
2,271,221

DISENGAGING MECHANISM FOR SPRING MOTOR DRIVES

Henry O. Drotning and Edward Kossalka, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 30, 1939, Serial No. 282,306

10 Claims. (Cl. 242—71)



1. In a film camera having a casing, the combination with a takeup spool rotatably mounted in one end of said casing, a spring drive means connectable to said spool to drive the latter to automatically shift said film, releasing and stopping means for said drive means, of means including a member adapted to be moved out of driving relation with said take-up spool for disconnecting said drive from said spool to free the latter, and means arranged to engage said member when the latter is moved out of said driving relation to lock said drive means to prevent unwinding thereof when disconnected from said spool.

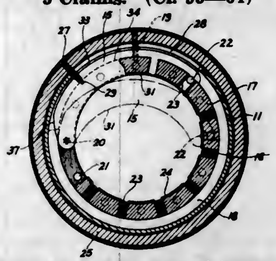
2,271,222

DIAPHRAGM BLADE

John H. Eagle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 2, 1941, Serial No. 386,495

5 Claims. (Cl. 95—64)



1. A lens diaphragm comprising a lens barrel formed with an axially extending opening, an annular diaphragm supporting member positioned in said opening, a diaphragm having a plurality of aperture forming blades adjustably

mounted on said member and movable relative thereto to vary the size of the diaphragm aperture, means for moving said blades, each of said blades being formed with an inner aperture forming edge and an outer curved edge, said blades being of such size that said outer edges will lie on a circle of a diameter greater than said opening when said blades are in maximum aperture position, and a tapered end portion formed on said outer edge of each of said blades and so positioned thereon that when the blades are moved to a partially closed position the entire portion of said outer edges will then lie within a circle of a diameter less than said opening to permit the insertion therein of said blades and support in assembled relation.

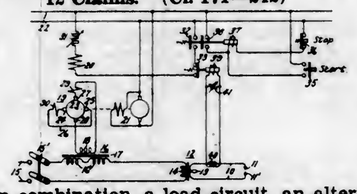
2,271,223

ELECTRIC CONTROL CIRCUIT

Martin A. Edwards, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application February 1, 1940, Serial No. 316,788

12 Claims. (Cl. 171—242)



1. In combination, a load circuit, an alternating-current supply circuit, an electric translating apparatus interconnecting said circuits, means for controlling said load circuit comprising a reactance device connected in series therewith, means including a direct-current winding for said reactance device for varying the impedance thereof, and quick response means connected so as to energize said direct-current winding so that rapid changes in the impedance of said reactance device may be obtained, said quick-response means causing a rapid reversal of the energization of said direct-current winding so that the flux in said reactance device is rapidly forced to attain substantially a zero value.

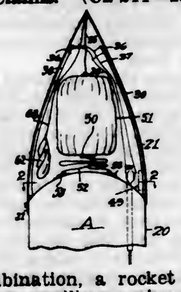
2,271,224

PARACHUTE ATTACHMENT FOR AIRCRAFT

Robert H. Goddard, Roswell, N. Mex.

Application June 17, 1938, Serial No. 214,267

12 Claims. (Cl. 244—139)



12. In combination, a rocket craft having a main casing, an auxiliary casing mounted thereon, a parachute in said auxiliary casing which is connected to said rocket craft, means to hold said auxiliary casing at the front end of said main casing and in substantial alignment with the axis of said rocket craft, and means to release and dislodge said casing, said latter means being rendered operative by a falling and turning movement of said craft but being non-responsive to changes in speed or acceleration.

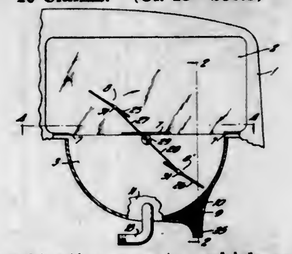
2,271,225

WINDSHIELD CLEANING UNIT

James G. Heffernan, Mechanicville, N. Y.

Application April 10, 1940, Serial No. 328,887

10 Claims. (Cl. 15—250.5)



1. In combination, a motor vehicle comprising a vehicle body having a transparent windshield framed thereby, a plate-like element mounted within said body and beneath the transparent portions of said windshield and adjacent the base of said windshield with its surface in co-planar relationship with a surface of said windshield, whereby a wiper may pass smoothly from one of said surfaces to the other, a wiper rotatably mounted at the base of said windshield and adapted to move over and in contact with the surfaces of said windshield and plate-like element, and means for supplying heat to the surface of said plate-like element traversed by said wiper.

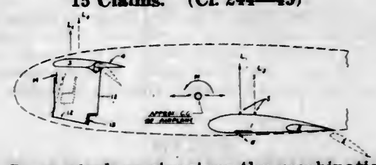
2,271,226

AIRPLANE

Clarence L. Johnson, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application October 31, 1938, Serial No. 237,896

15 Claims. (Cl. 244—45)



1. In an airplane structure the combination of members comprising a body, a main wing rigidly attached to said body, means to vary the maximum coefficient of lift of said main wing whereby the effective center of lift is moved rearward, a forward wing rigidly fixed to said body at a point ahead of said main wing, said forward wing having an area substantially less than said main wing, and including a first means to vary the maximum effective coefficient of lift of said forward wing and a second pilot operable means to control the longitudinal stability of the airplane, and means associated with said main wing for effecting lateral control of said airplane structure.

2,271,227

LENS MOUNT

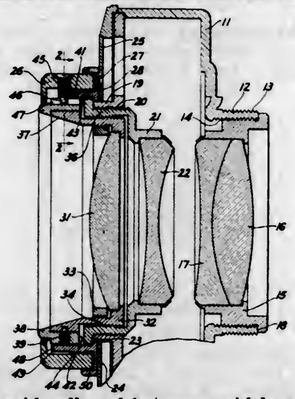
Charles M. Lee, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 14, 1940, Serial No. 318,901

5 Claims. (Cl. 88—57)

1. In a lens mount, the combination with a

supporting housing, of a lens cell positioned in and adjustable axially of said housing for focusing, a manually revoluble focusing cap mounted on and adjustable axially of said housing, differential threaded connections between said housing and said cell and between said housing and said cap whereby adjustments of the latter provide relative axial movement of said cell and cap, and a slip connection between said cell and cap to permit the relative axial movement of said cell and cap.

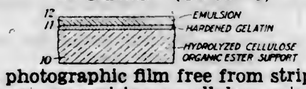


2,271,228

PHOTOGRAPHIC FILM SUBBED WITH HARDENED GELATIN

Gale F. Nadeau and Clemens B. Starck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 16, 1939, Serial No. 295,268
14 Claims. (Cl. 95—9)



1. A photographic film free from stripping and brittleness, comprising a cellulose ester support and an emulsion layer, and between said support and said emulsion layer, a layer comprising gelatin hardened with chromic chloride.

2,271,229

FOG INHIBITOR FOR PHOTOGRAPHIC DEVELOPERS

Willard D. Peterson and Ralph M. Evans, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 10, 1939, Serial No. 303,878
2 Claims. (Cl. 95—88)

1. A color-forming photographic developer comprising a primary aromatic amino developing agent, a coupler compound, and 5-nitroindazole.

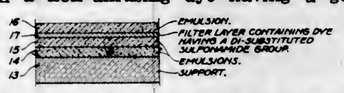
2,271,230

SULPHONAMIDES OF DYES

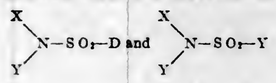
Willard D. Peterson and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 31, 1940, Serial No. 355,092
In Great Britain September 7, 1939
6 Claims. (Cl. 95—2)

1. A light-sensitive photographic element including a filter layer comprising gelatin having therein a non-diffusing dye having a general



formula selected from the class consisting of



where

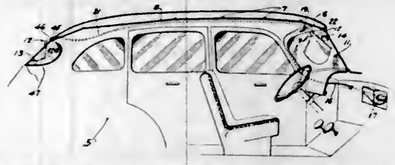
D=a dye portion
X and Y=alkyl, aryl.

2,271,231

PLURAL AUTOMOBILE WINDOW WIPER AND COMMON MASTER CONTROL VALVE THEREFOR

David Platt, South Pasadena, and John W. Boothe, Los Angeles, Calif.

Application December 3, 1940, Serial No. 368,352
7 Claims. (Cl. 15—255)



1. A wiper mounted in an operative relation to a windshield of a conventional automotive structure, a wiper mounted in an operative relation to a rear window thereof, conduits arranged to supply an operative suction force from the engine manifold of said structure to both of said wipers, and a single manually operable valvular means to control the suction through said conduits to cause the windshield wiper alone to operate or to cause both of said wipers to operate simultaneously, said valvular means including a valve cylinder having a cylindrical piston valve slidable therein with a working fit, said piston valve having a central portion of reduced diameter and being manually adjustable to place one or both of said conduits into communication with the space within said cylinder opposite said diametrically reduced portion.

2,271,232

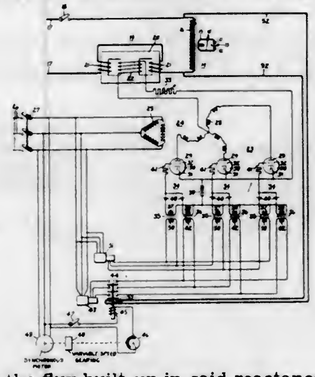
ELECTRIC CONTROL CIRCUIT

Erich Schröter, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application June 14, 1940, Serial No. 340,614
In Germany July 15, 1939
6 Claims. (Cl. 171—242)

1. In combination, a load circuit, an alternating-current supply circuit, an electric translating apparatus interconnecting said circuits, means for controlling said load circuit comprising a reactance device connected in series with said translating apparatus, means including a direct-current winding for said reactance device for varying the impedance of said device, an electric valve converting apparatus including electric valve means having a control member, means for impressing on said control member a control voltage, said converting apparatus being energized from a source of alternating current for supplying direct current for said direct-current winding, and means for periodically controlling

said control voltage to cause said converting apparatus to act as an inverter and dissipate very



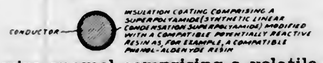
rapidly the flux built up in said reactance device when deenergizing said load circuit.

2,271,233

INSULATED ELECTRICAL CONDUCTOR

Henry A. Smith and Edward H. Jackson, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

Application September 1, 1938, Serial No. 227,981
19 Claims. (Cl. 174—125)



3. A wire enamel comprising a volatile solvent and a composition comprising a superpolyamide having incorporated therewith from 5 to 50 per cent by weight of the said composition of a compatible heat-hardenable, alkaline-catalyzed phenol-aldehyde resin.

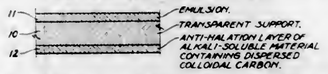
8. The method of insulating a wire which comprises coating the wire with a wire enamel comprising a solution of a superpolyamide having incorporated therewith a compatible heat-hardenable resin and baking the coated wire to produce a hard, flexible, tough, abrasion-resistant insulation.

2,271,234

COLLOIDAL CARBON ANTIHALATION LAYER

Cyril J. Staud and Walter J. Weyerts, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 29, 1940, Serial No. 343,254
10 Claims. (Cl. 95—9)



1. A photographic element comprising a support having thereon a sensitive emulsion layer and an anti-halation layer of an alkali-soluble synthetic colloidal material containing colloidal carbon dispersed therein with a dispersing agent.

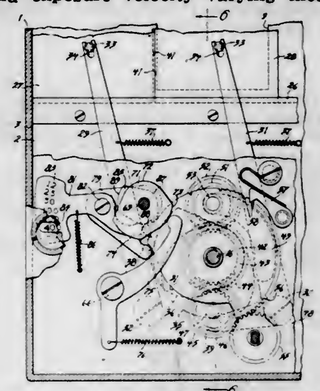
2,271,235

LIGHT SHUTTER MECHANISM

Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application July 26, 1940, Serial No. 347,802
10 Claims. (Cl. 95—55)

1. In a light shutter mechanism, the combination with a light shutter, of adjustable means for varying the light opening of said shutter, adjustable means for varying the exposure velocity of said shutter, a movable shutter speed indicating member, and two means respectively under the control of said light opening and exposure velocity varying means and



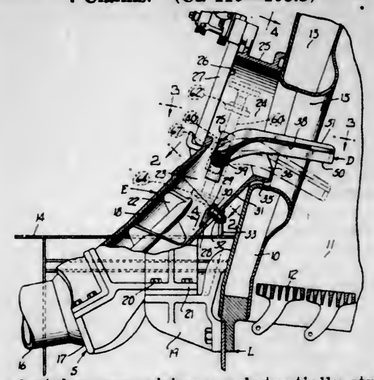
operatively connected with said indicating member in parallel mutually reactive relation for positioning said indicating member to indicate the instant shutter speed.

2,271,236

STOKER

Charles J. Surdy, Scarsdale, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application October 15, 1938, Serial No. 235,121
7 Claims. (Cl. 110—105.5)



5. A stoker comprising a substantially straight inclined riser conduit adapted to deliver coal to a locomotive firebox through an opening in its backwall, the upper end of the conduit communicating with said backwall opening and having a floor terminating at its upper forward end adjacent the lower marginal edge of the backwall opening, a coal conveying screw in said conduit terminating at its upper end below the level of said backwall opening, a jet member mounted on the floor of said conduit adjacent the upper end of said screw conveyor, said jet member being adapted to be connected to a source of fluid under pressure and being provided with a plurality of inclined orifices for directing said fluid forwardly and upwardly against the coal flowing over the jet member and projecting the same forwardly and upwardly across that portion of the conduit floor extending beyond said jet member to the said backwall opening, and a normally stationary deflector member extending forwardly

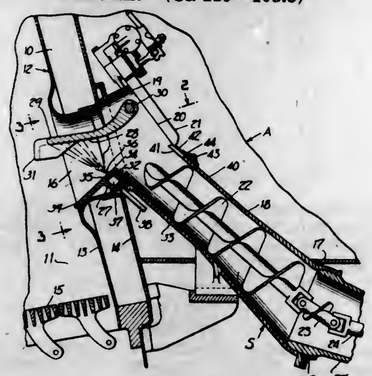
through said backwall opening and being disposed above said jet member and the upper forward end of said conduit floor in the path of the coal thrown upwardly therefrom for distributing the coal throughout the firebox.

2,271,237

DISTRIBUTOR FOR STOKERS

Edwin Archer Turner, New York, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application September 23, 1938, Serial No. 231,291
2 Claims. (Cl. 110—105.5)



1. In a stoker for feeding fuel to a firebox having a grate and an upright wall with a firing opening therein above the level of said grate, said stoker comprising a fuel feed conduit communicating with said opening, means for urging fuel through said conduit, a jet member disposed at the lower forward end of said conduit adjacent the lower outer marginal edge of the firing opening, said jet member being adapted to be connected to a source of fluid under pressure and having a front wall provided with a plurality of upwardly inclined orifices for directing said fluid forwardly and upwardly against the fuel flowing over the jet member, a ledge extending forwardly and downwardly from said front wall subjacent the orifices therein to the lower inner marginal edge of the firing opening, the declination of said ledge and the inclination of said jet orifices being such that fuel passing through and between the blasts of fluid under pressure issuing from said orifices is freely movable forwardly and downwardly along said ledge outside the zone of action of the said blasts of fluid under pressure and drops by gravity over the forward edge of said ledge onto the grate at the rearward portion of the firebox adjacent said upright wall, and a superimposed deflector member above said jet member and in the path of fuel thrown upwardly therefrom for distributing said fuel throughout the firebox.

2,271,238

COLOR FORMING COMPOUNDS CONTAINING SULPHONAMIDE GROUPS

Paul W. Vittum, Willard D. Peterson, and Henry D. Porter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 5, 1939, Serial No. 266,152. In Great Britain March 31, 1939
7 Claims. (Cl. 95—6)

1. A color forming photographic developer comprising an aromatic amino developing agent and a coupler compound having the formula:

$$R—COCH_2CONH—R'—Su$$

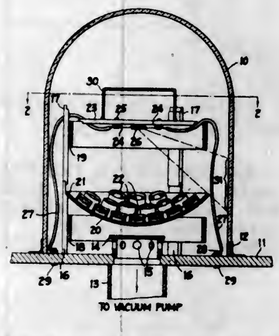
where R is selected from the group consisting of alkyl, aryl and furoyl radicals, R' is an arylene radical and Su is a sulphonamide group.

2,271,239

NONREFLECTING COATING FOR GLASS

Howard W. Vokes, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 28, 1940, Serial No. 358,850
6 Claims. (Cl. 91—12.2)



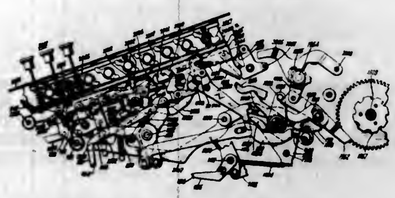
1. Apparatus for holding lenses during surface coating thereof with a fluoride, comprising a container adapted to be evacuated, means in the container for the vaporization of the fluoride, means for supporting a lens inside the container, to receive the fluoride coating said container and supporting means consisting at least partly of metal, the major portion of the surfaces of said metal which are exposed inside said container being smooth and plated with a metal from the group consisting of chromium and nickel.

2,271,240

CALCULATING MACHINE

Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application June 12, 1936, Serial No. 84,927
8 Claims. (Cl. 235—62)



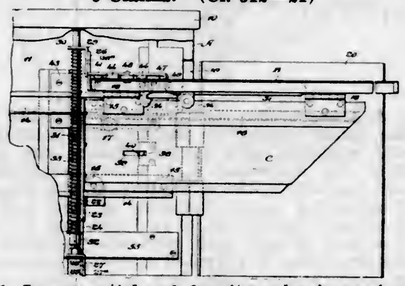
1. In a motor driven calculating machine having cyclically operable actuating mechanism and clutch means for connecting the same with said motor; a depressible key, means controlled thereby for initiating operation of said motor, means for latching said key in depressed position, means operable by said motor for initiating operation of said clutch means, and means controlled jointly by said key upon depression thereof and by said latching means upon movement thereof to retain said key in depressed position for actuating said last named means.

2,271,241

TYPEWRITER ATTACHMENT FOR ARTICLES OF FURNITURE

Clarence Roy Reitzel and Anthony T. Baumert, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio

Application May 21, 1941, Serial No. 394,540
9 Claims. (Cl. 312—21)



1. In an article of furniture having a top, a machine-supporting shelf, means mounting said shelf adjacent to one side thereof beneath said top for forward sliding movement and upward swinging movement to a projected substantially horizontally disposed operative position at the front of said top and for downward swinging movement and rearward sliding movement to a substantially vertically disposed retracted machine storing position beneath said top, spring means tending constantly to swing said shelf upwardly, releasable latch means to hold said shelf in its downwardly swung position when same is retracted, and means operable in response to forward sliding movement of said shelf to release said latch means and thus permit said spring means to swing said shelf upwardly to its said operative position.

2,271,242

METHOD OF MAKING NONAGING STEEL

Clarence L. Altenburger, Dearborn, Mich., assignor to Great Lakes Steel Corporation, Ecorse, Mich., a corporation of Delaware

Application May 23, 1940, Serial No. 336,705
3 Claims. (Cl. 148—16)



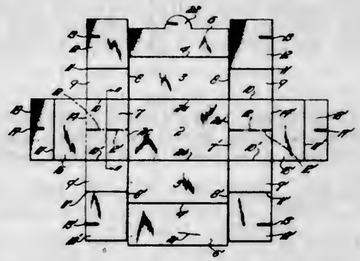
1. In the manufacture of iron, steel or like ferrous material, a method of rendering said material free from strain aging comprising the steps of placing said material in a furnace, displacing the gas in said furnace with a gas having as the active constituent thereof substantially only hydrogen, causing said material in said furnace to be heated to a temperature sufficient to effect the usual desired annealing thereof, and removing from said hydrogen any amounts of nitrogen absorbed thereby from said material in excess of those amounts present when the nitrogen content of the material is in excess of 0.002%.

2,271,243

CARTON AND CARTON BLANK

Edmund George Barker, Melbourne, Victoria, Australia

Application January 4, 1938, Serial No. 183,342
In Australia January 22, 1937
3 Claims. (Cl. 229—27)



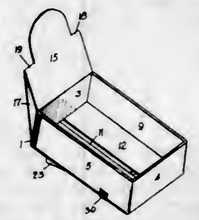
1. A carton which comprises a bottom wall, side walls folded upwardly therefrom, flaps secured to the upstanding edges of two opposed side walls, said flaps being folded so as to extend back along said side walls and having extensions folded so as to extend parallelly into the body of said carton to form partitions, overlying flaps extending from the top edges of the opposed side walls which support the partition forming flaps and overlying said partitions, and tuck flaps carried by said overlying flaps and extending into the body of said carton to position said partition flaps.

2,271,244

DISPLAY BOX

Allyn C. Beardsell, East Orange, N. J., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application February 8, 1940, Serial No. 317,842
1 Claim. (Cl. 206—44)



A combined shipping and display container comprising in combination two single-wall sides, a double-wall side, two top half-laps, two bottom half-laps, and a bottom partial lap transverse to said bottom half-laps, all the foregoing being made of a unitary blank; and one single-wall side, a full top divided into two panels by a transverse hinge, a tuck hinged to the free end of said full

top and a bottom partial lap also transverse to said bottom half-laps, all made of another unitary blank; each of said blanks being of rectangular boundary; said bottom partial laps being hinged to the bottoms of mutually opposed sides, and together forming an outer bottom, said tuck being selectively formable into a supporting easel when said container is in display position, and when formed into such easel comprising a central downward back projection adapted to stand upright and wings hingedly connected thereto along vertical lines for forward swing under the box, said back projection forming a downward continuation of one of the panels of said top, said panel when in easel formation also standing approximately upright behind the box to above the rear end of the box, and being hinged to the other panel of said top, such latter panel in turn being hinged to the top edge of the back wall of the box; said full top of said last-named blank constituting the inner top of the closed container and the top laps of said first-named blank constituting the outer top of the closed container.

2,271,245

MANUFACTURE OF TANNING SUBSTANCES

Robert Biedermann, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application May 26, 1939, Serial No. 276,000. In Switzerland June 9, 1938

5 Claims. (Cl. 260—45)

1. In the process for the manufacture of tanning substances with improved fastness to light made by condensing dihydroxydiphenylsulphones, phenolmonosulphonic acids, formaldehyde and urea, the improvement of partly sulphonating the first prepared mixture of a dihydroxydiphenylsulphone and a phenolmonosulphonic acid comprising the two components in the ratio of the sulphone to the phenol sulphonic acid up to substantially molecularly equal parts with a sulphonating agent in smaller quantity by weight than the used dihydroxydiphenylsulphone, and afterwards condensing said sulphonation mixture in weakly acid solution with urea and formaldehyde at a temperature not substantially in excess of 65° C.

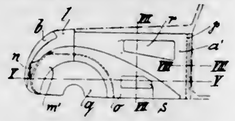
2,271,246

MOTOR VEHICLE BODY

Carl Friedrich Wilhelm Borgward, Bremen, Germany

Application December 15. 1938, Serial No. 245,996

1 Claim. (Cl. 180—69)



A forward motor hood for vehicle bodies in which the forwardly carried side walls of the hood are rigidly connected to the mudguard and are directly stiffened or supported by the frame of the radiator screen, the side walls and the radiator screen providing a support for the hood cover which can be folded up high, and in which the side of the mudguard is made from one piece with the mudguard rear parts provided with channels forming aerating openings extending from the outer mudguard wall to the inner side wall without allowing the whirled up dust under the mudguard to penetrate the motor chamber.

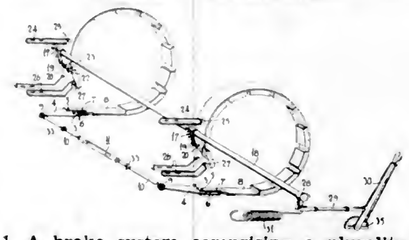
2,271,247

OIL FIELD HOISTING BRAKE SYSTEM

Gerald G. Brown and Harvey Davidson, Wichita, Kans., assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans.

Application July 26, 1940, Serial No. 347,749

8 Claims. (Cl. 188—204)



1. A brake system comprising a plurality of brake bands adapted to engage brake surfaces, means engaging said bands adjacent one end thereof for actuating said brakes, equalizing means connecting the other ends of said bands, said actuating means including an arm and a link pivotally connected to said arm and to one end of each of said bands and being adapted to apply the brakes to a limited extent through said arm upon failure of said link or its pivots.

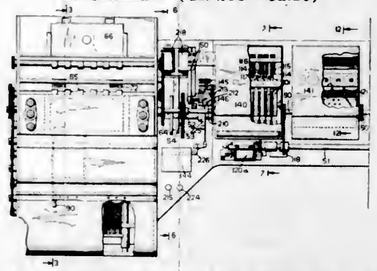
2,271,248

CALCULATING MACHINE

James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 1, 1928, Serial No. 258,165

49 Claims. (Cl. 235—61.10)



1. A calculating machine including record handling devices, means for deriving from a prepunched record multiplier and multiplicand data which comprise both the factors of a to be performed computation, means controlled by the aforementioned means for effecting multiplication of the aforesaid factors and for representing a product, and means controlled by the product representing means of the multiplying means for punching back upon the record which contained the prepunched factor data punchings representative of the product of the factors.

2,271,249

MULTIPLYING AND ACCOUNTING MACHINE

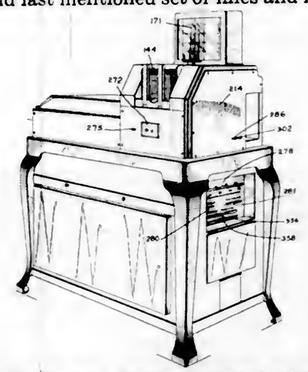
James W. Bryce, Bloomfield, N. J., and George F. Daly, Johnson City, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 5, 1929, Serial No. 375,914

24 Claims. (Cl. 235—61.6)

1. In a calculating machine having an emitter

which has the potential capability of emitting impulses one for each digit, which impulses are differentially timed so that by their timing they are representative of the digits of a notation, a plurality of digit lines leading from the emitter, one for each digit of the notation, an accumulating type of receiving device adapted to receive and be controlled by differentially timed impulses from said emitter, lines leading to said receiving device, selector means for control of impulse flow over said last mentioned set of lines and for selec-



tion of digits and denominational allocation of impulses which flow to the receiving device, electromagnetically controlled coordinating switching means intermediate the digit lines from the emitter and the selecting means for coordinating the emitted impulses in accordance with a predetermined progression, and electromagnetically controlled switching means intermediate the selector means and the lines leading to the receiving device for controlling the flow of impulses into selected columnar orders of the receiving device.

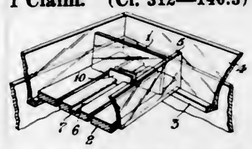
2,271,250

BIN EQUIPMENT

Fedor E. Buchholz, Georgetown, Tex.

Application November 24, 1939, Serial No. 305,875

1 Claim. (Cl. 312—140.3)



A device for supporting partitions on a counter or for supporting shelves comprising a block having a longitudinal channel therein having an open side of less width than the bottom of the channel whereby the sides thereof project inwardly at their outer portions, a holder having walls for supporting a partition therebetween and a base portion having notches extending inwardly from its ends whereby it may be fitted into said channel transversely thereto, the notches being extended farther inwardly at diagonally opposite corners of the base than at the remaining corners, whereby the holder may be securely engaged with walls of the channel by a turning movement.

2,271,251

BUCKLE FOR BELTS

Walter B. Buck, Newport, N. C.

Application April 21, 1941, Serial No. 389,665

3 Claims. (Cl. 24—180)

3. A belt buckle including an oblong, rectangular body plate having longitudinal right angled flanges extending rearwardly of the plate and adapted for the insertion of the free end of the belt therebetween from one end of the plate, said plate having an aperture therein adjacent said end, a pintle extending between said flanges adjacent the opposite end of the plate for attachment of the other end of the belt thereto, said pintle having axially offset ends pivotally mounted in said flanges for rotation therein under pull of the belt on said pintle, and a clasp plate having edge flanges straddling the flange of said body plate and fixed at ends thereof to said offset ends of the pintle for swinging of said clasp plate under such rotation of said pintle into



closing position against the front of said body plate, and a stud on said clasp plate movable under such swinging of said clasp plate through the aperture in the body plate and into a hole in the free end of said belt, said body and clasp plates being provided with sight apertures centrally thereof registering in the closed position of the clasp plate, and a frame fixed to the rear of the body plate for containing an identification panel for display through said sight apertures, said frame having an open edge for the insertion of a panel in the frame edgewise, said edge being opposed to the stud in the closed position of the clasp plate whereby said stud prevents the panel from working out of said frame.

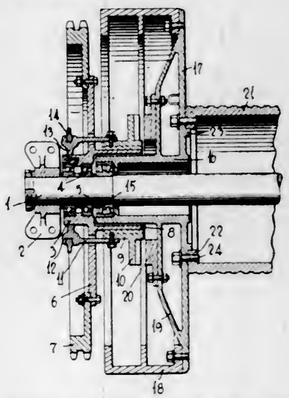
2,271,252

DRUM CLUTCH

Harland W. Cardwell and Gerald G. Brown, Wichita, Kans., assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans.

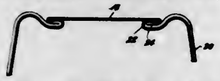
Application July 27, 1940, Serial No. 347,966

4 Claims. (Cl. 192—67)



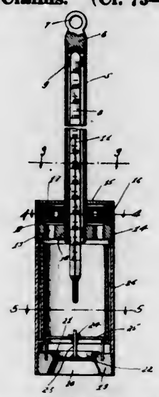
1. In a hoisting apparatus, a shaft carried by a support, a sprocket mounted on said shaft, a drum having an outwardly extending tubular hub portion, said drum being mounted on said shaft near the outward end of said tubular hub portion, a sleeve extending inwardly from the hub of said sprocket, and surrounding a portion of said tubular hub of said drum, a clutch member carried by said drum, and clutch means slidable along said sleeve and adapted to engage said clutch member to drive said drum from said sprocket.

2,271,253
BOTTLE CLOSURE
William A. Conway, Jr., Shamokin, Pa.
Application November 8, 1938, Serial No. 239,577
2 Claims. (Cl. 215—38)



2. A bottle hood formed of a single flexible sheet, comprising a pleated skirt portion formed of pleated sections folded upon themselves to conform to the contour of a bottle neck, and an integral disc formed with a self-sustaining annulus formed by folding and compressing a portion of said pleated skirt upon itself, said annulus constituting an abutment adapted to enter and contact the mouth of a bottle in sealing engagement.

2,271,254
THERMOMETER
David L. DeWitt, Baytown, Tex.
Application August 5, 1940, Serial No. 351,519
2 Claims. (Cl. 73—354)



1. A thermometer holder comprising a liquid trap including a tubular body adapted to be lowered endwise into a liquid tank or the like, an inwardly opening valve in the bottom of said body for admitting liquid into said body when the same is lowered into the tank, a cap closing the upper end of the body, a perforated plug threaded into the upper end of the body and spaced below said cap to form therewith a valve chamber in the upper end of the body into which the liquid in said body may rise through said plug, circumferential ports in said body leading from said chamber for the escape of liquid therefrom, said plug having an annular flange on top thereof forming a valve seat surrounding said perforations, a tubular thermometer casing upstanding from said body in the axis thereof and extending through said cap, chamber and plug into the space below the latter, said casing having a thermometer therein extending therefrom into said space, and a gravity actuated valve in said chamber for seating on said seat to close said perforations in the plug, said valve comprising an annular disc slidably mounted on the casing for upward opening movement under the pressure of liquid rising through the plug.

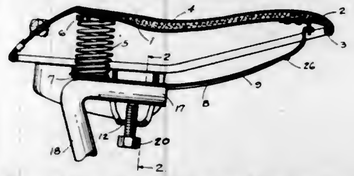
2,271,255
BICYCLE
George B. Du Bois, Chevy Chase, Md.
Application August 19, 1940, Serial No. 353,282
7 Claims. (Cl. 280—7.16)

1. In a multi-cycle, in combination, a lead bicycle having a steerable wheel, a following section having only a single wheel, and means detachably connecting said sections, said means including a member mounted on the lead bicycle for rocking movement about an axis above the



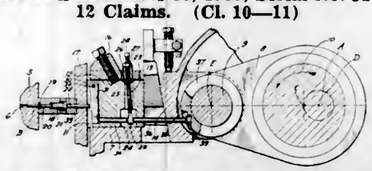
ground a distance greater than the diameter of said wheel and in only the plane of the frame thereof and a member rigid with the frame of the following section and revoluble about an axis passing through said first member.

2,271,256
SADDLE CLAMP
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application February 4, 1939, Serial No. 254,665
7 Claims. (Cl. 287—57)



1. In combination with a saddle having a longitudinally extending reach bar, a clamp for clamping the saddle to a longitudinally extending seat post comprising a U-shaped member formed with slots for slidable engagement with the reach bar and openings for reception of the seat post, a locking screw threaded in the bottom of the clamp and engaging the underside of the seat post adapted to pull the reach bar against the seat post.

2,271,257
EJECTING MECHANISM FOR HEADERS
John Henry Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application December 30, 1939, Serial No. 311,748
12 Claims. (Cl. 10—11)

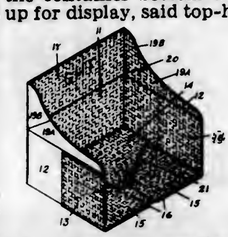


1. In a header having a reciprocating slide driven by a crank and pitman and carrying a punch, said slide being reciprocable between advanced and retracted dead center positions, ejector means arranged to eject or free a blank from said punch, and means arranged to be moved by relative oscillation of said slide and pitman at the beginning of the retracting movement of said slide to actuate said ejector means.

2,271,258
DISPLAY BOX
George T. Henderson, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application November 29, 1940, Serial No. 367,757
2 Claims. (Cl. 206—44)

1. A combined shipping and display container

comprising in combination a front composed of two half-laps each vertically hinged to a front edge of an end wall, panels hinged respectively to top and bottom of said half-laps, said bottom-hinged panels being adapted to overlie the container bottom when the container is closed and to underlie the container bottom when the container is set up for display, said top-hinged panels



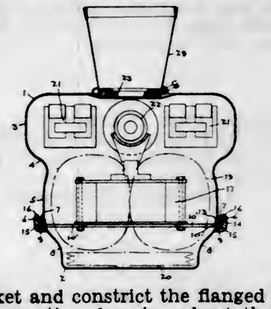
being adapted to form top quarter-lap closures when the container is closed and to be swung down behind said front half-laps when the container is set up for display, and a cover half-lap hinged to the top of the back wall, said cover half-lap being adapted when closed to meet said quarter-laps and with them comprise a complete cover.

2,271,259
PROCESS FOR SYNTHESIZING HYDROCARBONS
Wilhelm Herbert, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 25, 1938, Serial No. 210,073. In Germany January 20, 1937
18 Claims. (Cl. 260—449)

1. In a process for the catalytic conversion of gaseous mixtures containing carbon monoxide and hydrogen into hydrocarbons with catalysts adapted to form benzine oil and paraffin under atmospheric pressure, said catalysts being arranged in a contact chamber adapted to maintain a desired reaction temperature therein, the steps comprising maintaining a temperature in said contact chamber above 150° C. but below the temperature required for the exclusive formation of methane with said catalysts, maintaining a velocity of the gas flow in contact with said catalysts above one normal litre per hour per gram of hydrogenating metal in said catalysts, and adjusting the pressure of the gas to a pressure above atmospheric and sufficient that the time the gases remain in contact with said catalysts is more than forty-five seconds.

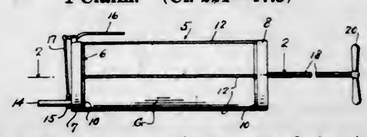
2,271,260
X-RAY TRANSFORMER HOUSING
Caperton B. Horsley, Toronto, Ontario, Canada, assignor, by mesne assignments, to Sutton-Horsley Company Limited, Toronto, Ontario, Canada, a corporation of Ontario
Application February 27, 1939, Serial No. 258,694
3 Claims. (Cl. 220—4)

1. In a transformer housing, a casing formed of separable sections, one of said sections being flanged outwardly and having a transformer mounting ring overlapping the flange, the edge portion of said section being flanged to embrace the edge and opposite face of the ring and the other casing section having an out-turned flange, a sealing gasket interposed between the flanged portions of the respective casing sections, an annular clamping member engaging the first-mentioned flanged portion of the first section, and clamping means engaging the flange of the second-mentioned section and co-operating with the annular clamping member to compress said



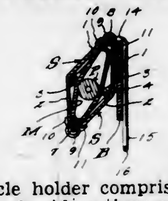
sealing gasket and constrict the flanged portions of the first-mentioned casing about the clamping ring.

2,271,261
GREASE GUN
Guss Hunt, Francisco, Ind.
Application May 31, 1940, Serial No. 338,255
1 Claim. (Cl. 221—47.3)



A grease gun comprising spaced front and rear cylindrical bands having threads on their outer peripheries, circumferentially spaced rods connecting the bands with their ends secured to the outer peripheries thereof, a front head secured on one of the bands, an outlet nozzle secured to the front head, a suitable valve in the nozzle, a lever pivotally mounted on the front head, a link connecting the valve to the lever, a grease cartridge having both ends fully open disposed in the bands with one end bearing against the inner surface of the front head, a rear head secured on the other band with its inner surface bearing against the rear end of the cartridge, a plunger disposed in the cartridge, a threaded stem connected to the plunger and operable in a threaded aperture in the rear head and a handle on the free end of the stem.

2,271,262
ARTICLE HOLDER
William V. Johnson, Washington, D. C.
Application October 26, 1940, Serial No. 363,038
4 Claims. (Cl. 24—3)



4. An article holder comprising two overlying sections, one of said sections comprising two flat plates, means for pivotally connecting the adjacent inner end portions of the plates, means for pivotally connecting the outer end portions of the plates of one section with the outer end portions of the plates of the second section, said pintle extending beyond opposite sides of the sections, angularly disposed short arms carried

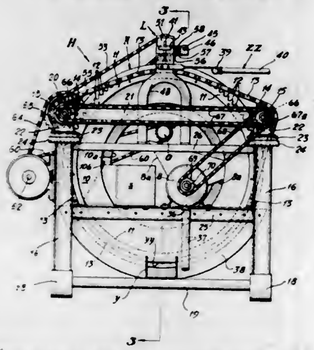
by the extended portions of such pintle, and substantially perpendicularly related elongated arms at the outer end portions of the short arms, said arms providing means for engaging the device with a support.

2,271,263

APPARATUS FOR CLASSIFYING OR SEPARATING FLUID-BORNE MATERIALS

Harold V. Kapp, Long Beach, Calif.

Application October 14, 1939, Serial No. 299,532
4 Claims. (Cl. 210—199)



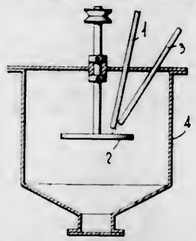
1. Separating apparatus comprising a material screening drum, means for feeding material to be screened to said drum, flexible means suspending said drum for free shaking movements, and means operating through said suspending means to shake said drum.

2,271,264

PROCESS FOR THE CONVERSION OF METALS AND METAL ALLOYS IN FINELY DIVIDED FORM FOR THE MANUFACTURE OF DENTAL AMALGAMS

Erich Kaufmann, Oberursel a. T., and Wilhelm Truthe, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.

Application April 17, 1939, Serial No. 268,382
In Germany April 21, 1938
1 Claim. (Cl. 83—91)



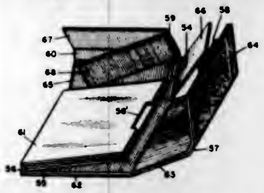
A process for the conversion into a finely divided state of alloys consisting principally of silver and tin and intended for the production of dental amalgams, which comprises causing the alloy in a molten condition to impinge against a rapidly rotating surface, spraying the surface with a cooling liquid, and to cause the melt thereby to be subjected to centrifugal action and thereby thrown against a cooled surface, and further conveying the centrifuged material further by a gas stream after the manner of wind sifting, thereby converting the alloy into very fine particles.

2,271,265

PROTECTOR

John S. Kirby, Indianapolis, Ind., assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application May 22, 1939, Serial No. 275,017
2 Claims. (Cl. 229—1.5)



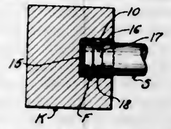
1. A corner protector comprising in combination a blank divided into a plurality of foldable panels, the first of said panels having a notch at one edge and a series of other panels hinged to the edge opposite the notch; a single panel hinged to an edge of said first-named panel between said notched edge and the edge to which the series is hinged; said series comprising a second panel immediately hinged to said first panel, and third and fourth panels, said third panel being hinged to said second panel parallel to the first panel hinge line, and said fourth panel being hinged to said third panel parallel to the third panel hinge line and tongued on the edge remote from the hinge to engage said notch; a fifth panel hinged to an edge of the second panel at right angles to the first and third panel hinge lines, and a sixth panel hinged to an edge of the fifth along a line substantially in prolongation of the third panel inner hinge line, a seventh panel hinged to the fifth on a line parallel to the second panel hinge line, and an eighth panel hinged to the seventh and extending parallel to the sixth; said single being foldable to overlap the first, said first and single together being foldable to overlap the second, said eighth being foldable to overlap the seventh, said seventh with eighth overlapped being foldable to overlap the fifth, said fifth being foldable to form a right dihedral angle with the second, said third being foldable to a right dihedral angle with the second having the sixth interfacially engaged between the third and fourth.

2,271,266

KNOB ATTACHING FASTENER

Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application July 23, 1940, Serial No. 346,984
1 Claim. (Cl. 287—53)



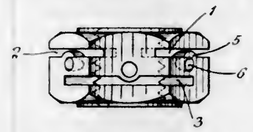
The combination of a knob having a cylindrical socket therein, a stud extending into said socket, said stud being formed with an inwardly extending annular channel adjacent the end thereof, a cup-like fastener of relatively thin spring metal fitting over the end of said stud and including a plurality of spring arms interposed between the stud and the walls of said socket, each of said arms having a portion intermediate the ends thereof bowed inwardly, said inwardly bowed portions extending into and generally conforming to said annular channel, and the free ends of said arms beyond said inwardly bowed portions having a tendency to spring radially outwardly, thereby causing an intimate frictional contact between the free ends of said arms and the walls of said socket.

2,271,267

SELF-LOCKING NUT

Frithjof Lehre, Oslo, Norway

Application January 19, 1940, Serial No. 314,713
2 Claims. (Cl. 151—21)



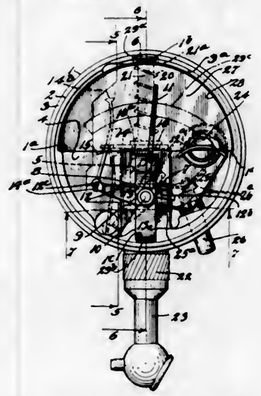
1. A self-locking nut having a body which is partially divided by means of a groove at right angles to the axis of the nut intersecting a substantial portion of the bore of the nut to form sections and one of the opposed faces of said groove having a projection to prevent deformation of said nut beyond the limit of elastic deformation.

2,271,268

PRESSURE GAUGE

Walter H. Longstreet, Brooklyn, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York

Application March 2, 1939, Serial No. 259,457
13 Claims. (Cl. 73—111)



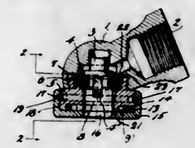
4. In a pressure gauge of the class described, a molded non-metallic one-piece casing including a cylinder formed therein, a hollow plunger extending into said cylinder having an exterior groove formed therein adjacent one end thereof, an operating plate seated in said groove, an indicator mounted on said cylinder, an actuating connection between said indicator and said plate comprising a link member connected to the indicator and slidingly engaging said plate and formed with a shoulder for engaging said plate upon movement thereof in one direction to move the indicator in one direction, separate means for moving the indicator in the opposite direction, and a coil spring extending across the casing and seated at one end in said hollow plunger and at the other end on the inner wall of the casing.

2,271,269

LOCKING DEVICE FOR AIR CHUCKS

Walter H. Longstreet, Brooklyn, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 4, 1940, Serial No. 327,908
9 Claims. (Cl. 284—17)



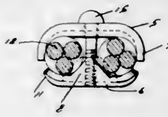
1. A locking device of the class described, comprising a body portion having a threaded connection at one side thereof adapted to receive an air line and having an air passage therethrough, and a semi-circular depression at one side of the passage intermediate its length, an arcuate locking element slidably mounted in said depression for movement transversely of the air passage and having an outer camming surface, a rotary member interlocked with the body portion and provided with retaining means cooperative with the locking element to hold it in the semi-circular depression, camming means operable by rotation of the rotary member in one direction to shift the locking element transversely of the air passage, stop means for limiting movement of the locking element as aforesaid, and means for shifting the locking element in the opposite direction upon reverse rotation of the rotary member.

2,271,270

ROPE CLAMP

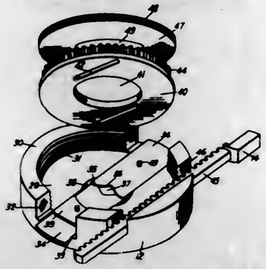
Herbert M. McLearn, North Chicago, Ill.

Application December 10, 1940, Serial No. 369,499
2 Claims. (Cl. 24—125)



2. A rope clamp comprising a pair of clamping plates, one of said plates being of substantially U-form adapted to receive the ropes in parallel relation, inwardly curved corners projecting laterally outwardly on the other plate cooperating with the first named plate to retain the ropes against lateral movement, a longitudinal rib on one of the plates separating the ropes, laterally extending ribs on the sides of the first named rib, the outer ends of the ribs on the respective sides of the longitudinal rib and converging laterally extending grooves in the inner surface of the other plate adapted to register with the lateral ribs, at least one pair of cooperating ribs and grooves being disposed in substantial longitudinal alignment with the strands of the cable to receive one of the strands longitudinally in the groove, said plates having longitudinally spaced aligned openings, bolts inserted in said openings to receive the plates in clamping relation, the openings of one plate being of greater diameter than the diameter of the bolts to provide limited transverse and longitudinal movement of said one plate relative to the other plate to compensate for irregularities in the surface of the ropes during clamping thereof.

2,271,271
APPARATUS FOR SHEARING MOLTEN GLASS
George T. Meyers, Parkersburg, W. Va.
Application April 26, 1939, Serial No. 270,166
9 Claims. (Cl. 49—14)

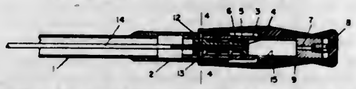


6. A shear structure comprising a socket member, said socket member comprising a disk-like portion having an upstanding peripheral flange, a plurality of shear blades disposed on said disk-like portions of said socket member, the inner portion of each shear blade having a cutting edge, a disk member disposed within said socket member, said member being rotatable in the socket member, said disk member and said blades having interfitting portions which will cooperate to move the blades towards and from each other upon rotation of said member, and means for oscillating said member, said means comprising a rack bar adapted to engage gear teeth formed on the periphery of said rotatable member, said rack bar being disposed tangential to said disk member and being reciprocably mounted in slots formed in said upstanding peripheral flange.

2,271,272
PROCESS FOR THE MANUFACTURE OF KEEPABLE FISH PRODUCTS
Hjalmar Minde, Minde, near Bergen, Norway, assignor of one-half to Eirik Heen, Bergen, Norway
No Drawing. Application October 3, 1939, Serial No. 297,768. In Norway June 1, 1933
7 Claims. (Cl. 99—111)

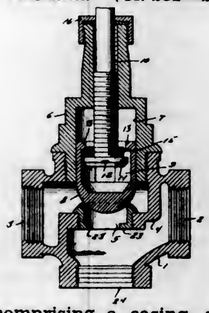
1. A process for the manufacture of a stable food product rich in albumens, comprising the steps of preparing a homogeneous paste comprising finely disintegrated fish meat in an incompletely coagulated condition, shaping the pulp into products of comparatively small dimensions, and subjecting the resultant fish paste products to drying.

2,271,273
HYDRAULIC BRAKE CONTROL FOR BICYCLES
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1940, Serial No. 335,923
2 Claims. (Cl. 188—152)



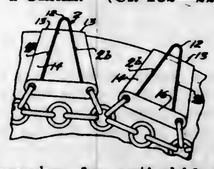
1. Hydraulic brake control means for bicycles and the like, comprising a handlebar, a piston fixedly mounted in said handlebar, an outlet passing through said piston, a hydraulic cylinder adapted to fit said piston and form therewith a fluid-tight chamber, a spiral cam slot in an extension of said cylinder, and a pin fixed in said handlebar and piston and passing through said slot whereby said cylinder will be caused to reciprocate relatively to said piston upon rotation thereof to discharge and draw in hydraulic fluid.

2,271,274
VALVE
Joseph E. O'Donnell, Hopewell, Va.
Application March 25, 1941, Serial No. 385,160
1 Claim. (Cl. 251—2)



A valve comprising a casing, a seat in said casing, a bonnet mounted on the casing and having a substantially cylindrical chamber therein, a valve member engageable with the seat for closing the valve, said member including a cage slidable in the chamber of the bonnet, a stem threadedly mounted in said bonnet and extending into the cage, a collar mounted on the stem and operable in the cage, said stem, when moved in one direction, being engageable with the member for positively securing said member in closed position on the seat, said collar being engageable with the cage for lifting the member out of engagement with the seat after predetermined independent movement of the stem in the opposite direction, and a ring encircling the stem and resting on the collar, said ring being engageable with the bonnet for preventing leakage past the stem when the valve is in fully open position.

2,271,275
ANTISKID DEVICE
Karl Ritscher, Hamburg-Moorburg, Germany
Application February 23, 1939, Serial No. 258,050
In Germany June 29, 1936
1 Claim. (Cl. 152—228)

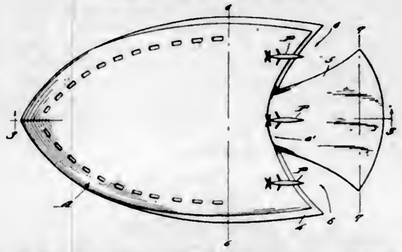


A cross member for anti-skid devices including a bar adapted to extend transversely of the tire and of generally V-shape with a rounded ground contacting edge and diverging sides, said rounded edge extending from end to end of the bar, the sides of said bar having a relatively narrow central portion and having their end portions increasing in depth from the central portion to the extremity of the bar, the basal edges of said bar having outwardly extending flanges extending from end to end of said edges, and ties connecting the flanged portions at each end of the bar.

2,271,276
PROCESS FOR PRODUCING CEMENT
Ole Rolfsen, Oslo, Norway
No Drawing. Application February 15, 1937, Serial No. 125,933. In Norway February 26, 1936
3 Claims. (Cl. 106—100)

1. The process for the production of a normal cement which contains $3CaO.SiO_2$ as the predominant ingredient, comprising burning at a temperature of substantially 1200° C. a lime silica charge which contains only part of the lime necessary for the final product and wherein the $CaO:SiO_2$ ratio is not substantially above 65:35 whereby a product which is not a normal cement but which consists predominantly of $2CaO.SiO_2$ in the form of β crystals results, then cooling the said product whereby conversion to γ crystal form with simultaneous disintegration results, admixing the resultant product with the additional lime required for a normal cement, grinding the admixture, reburning the latter at a temperature of up to about 1400–1500° C., and finally grinding the resultant product whereby a normal cement results.

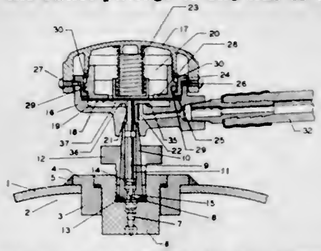
2,271,277
SUPERHYDRONE
Frederick Roscher, Boyertown, Pa.
Application October 6, 1939, Serial No. 298,309
4 Claims. (Cl. 114—66.5)



1. A water craft comprising a hull having a pointed bow and said hull gradually increasing in width from the bow to the stern, said hull including a bottom of downwardly bowed shape in cross section, the stern end of the hull and bottom being concave in plane from side to side of the hull, a substantially flat tail extending from the bottom in the longitudinal center of the hull and trailing the stern and having side edges converging toward the stern to provide spaces between the said stern and tail upon opposite sides of the latter to eliminate drag from vacuum occurring at the stern.

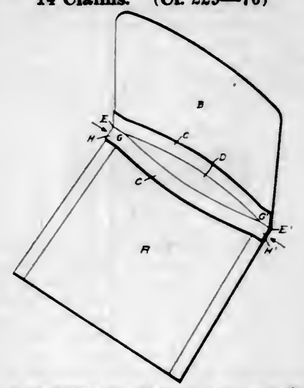
2,271,278
CHECK VALVE
Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 29, 1939, Serial No. 281,967
2 Claims. (Cl. 50—4)

1. A fluid pressure regulator comprising a casing, a diaphragm in the casing defining a fluid compartment, a fluid inlet passage and a fluid outlet passage communicating with the fluid compartment, a main valve associated with the inlet passage, means in the inlet passage cooperating with the main valve and the diaphragm for opening the main valve upon predetermined movement of the diaphragm in one direction, loading means for normally urging the diaphragm into main valve opening position, and means limiting extreme movement of the diaphragm in the direction of main valve opening position including a valve seat in the upstream end of the outlet passage to one side of the first



mentioned means, said diaphragm serving as a valve to engage the valve seat and close the outlet passage on extreme movement of the diaphragm in main valve opening direction.

2,271,279
FLEXIBLE CONTAINER, CLOSURE MEANS THEREFOR, AND MANUFACTURE THEREOF
Errold B. Thomas, Newton, Mass.
Application October 4, 1940, Serial No. 359,723
14 Claims. (Cl. 229—76)

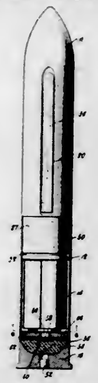


1. In a flexible container, in combination, a sheet folded and secured to provide a container body having a fold flap, a separately formed strip fixed at the inner face of the flap and overlapping an adjacent wall of said body to afford a hinge formation thereat, and a slot in said strip defining the container opening, said hinge formation being of sufficient rigidity to exert a permanent shaping influence upon the container.

2,271,280
GAS PRODUCING PROJECTILE
Carl Reinhold Weinert, Pittsburgh, Pa., assignor to Federal Laboratories, Inc., Pittsburgh, Pa., a corporation of Delaware
Application December 11, 1935, Serial No. 53,988
6 Claims. (Cl. 102—24)

3. A non-explosive gas producing projectile adapted to be fired from a gun, said projectile comprising a casing, a closure member at the base thereof and a fuse in said closure member, said casing having discharge vents in the side walls thereof, sealing means over said vents adapted to be blown off by gas pressure, a gas producing charge within and fitting the forward portion of said casing, leaving a gas generating space between said charge and said closure mem-

ber, said charge having a longitudinal passage therein and transverse passages extending be-



tween said longitudinal passage and each of said discharge vents.

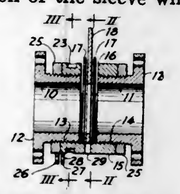
2,271,281
BED COMFORTER
Harold C. Whitman, Bedford Village, N. Y., assignor, by mesne assignments, to The Esmond Mills, Inc., Esmond, R. I., a corporation of Rhode Island
Application March 20, 1940, Serial No. 325,006
6 Claims. (Cl. 5—334)



1. A comforter comprising, a napped fabric lower layer having a heavily napped reverse having long pile fibers raised therefrom of substantial length and shorter pile fibers raised therefrom and a napped face having pile fibers raised therefrom from short pile fibers to pile fibers of substantial length, at least the relatively longer pile fibers having their ends tucked into said threads or adjacent pile threads on said face to provide a fabric having a non-slippable pile face having heat insulating layers of pile fibers forming a multiplicity of insulating air cells superimposed thereon, a light closely woven upper layer, means binding the edges of said upper and lower layers together to form a comforter and means binding said upper and lower layers together at intervals throughout the area of said comforter, whereby the upper ends of said long pile fibers extending upwardly from said reverse are flattened and bent down into a layer of pile fiber ends having insulating air cells therein spaced from said lower layer with the long and shorter pile fibers extending upwardly from said lower layer forming a multiplicity of insulating air pockets between said upper and lower layers.

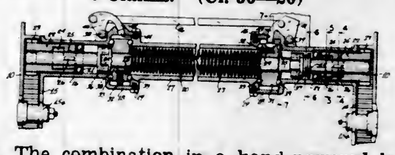
2,271,282
PIPE FITTING
Bernard A. Young, Oakland, Calif.
Application May 15, 1939, Serial No. 273,689
1 Claim. (Cl. 251—167)

A flow control pipe fitting comprising a sleeve having a right hand thread on its inner surface at one end thereof and a left hand thread on its inner surface at the opposite end thereof, said sleeve being provided with a transverse slot extending through the wall thereof intermediate its ends, said slot having a length at least equal to the diameter of the sleeve bore, a pair of pipe sections one having a right hand threaded end and the other having a left hand threaded end, said pipe sections being supported in alignment in the correspondingly threaded end portions of said sleeve, the adjacent ends of said threaded pipe sections constituting clamping surfaces, said right and left hand threaded engagement of the pipe sections and the sleeve interconnecting said pipe sections and the end portions of the sleeve so that rotation of the sleeve will positively and



independently advance the threaded end of each pipe section in a direction toward said transverse slot when the sleeve is rotated in one direction and in a direction away from said transverse slot when rotated in the opposite direction, and a flow controlling disc and a pair of complementary gaskets movable through said transverse slot in said sleeve into and out of assembled position between the ends of said threaded pipe sections which act to directly clamp said removable disc and gaskets in assembled position, said disc being so constructed as to engage the unslotted portion of said sleeve to facilitate location of said disc and gaskets with respect to the threaded ends of said pipe sections.

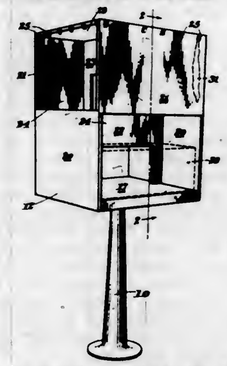
2,271,283
LAWN MOWER
Gustav D. Ahrgal, Jennings Station, Mo.
Application March 2, 1940, Serial No. 321,815
7 Claims. (Cl. 56—26)



1. The combination in a hand-powered lawn mower, a frame, a rotatable cutter and ground wheels for driving said cutter, a shaft journalled in said frame, a member mounted on said shaft and geared to one of said ground wheels, ratchet means for operatively connecting said member and shaft, a torsion spring on said shaft, and means for connecting the opposite ends of said spring respectively to the mower frame and to said shaft.

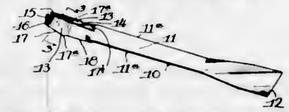
2,271,284
RECEPTACLE
Howard F. Baxter, Grand Rapids, Mich., and Robert T. Baxter, Milwaukee, Wis., assignors to Baxter Laundries Corporation, Grand Rapids, Mich., a corporation of Michigan
Application May 8, 1939, Serial No. 272,390
2 Claims. (Cl. 312—157)

2. A receptacle adapted for use in expediting pressing and packaging operations in laundries and comprising vertically spaced parallel bottom, middle and top shelves of rectangular configuration, a pair of side walls connecting the bottom and middle shelves at opposite sides of the receptacle, a second pair of side walls connecting the middle and top shelves at the intervening opposite sides of the receptacle, partitions arranged at right angles to each other and at right angles to the said side walls and located respectively above and below the middle shelf and cooperating with the said shelves and side walls to form



compartments opening outwardly alternately at the upper and lower portions of the four sides of the receptacle and adapted to receive laundry boxes for the reception of completely laundered pieces, each open compartment being separated from each adjacent compartment by a closed wall and the open end of only one compartment being exposed at each of the four sides of the receptacle, and a pedestal connected with the bottom shelf and revolubly supporting the receptacle.

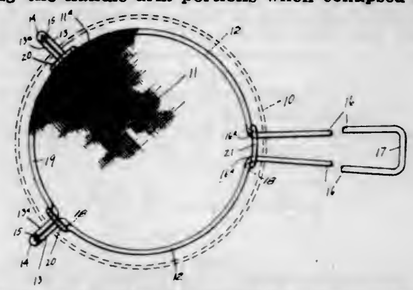
2,271,285
PUTTY KNIFE
Frank R. Bussert, Chicago, Ill.
Application June 20, 1940, Serial No. 341,536
6 Claims. (Cl. 18—3.5)



6. A putty knife comprising a metal strip bent at one end upon a longitudinal median line to provide like blades disposed at an obtuse angle to each other, the ridge formed by said bend being cut away near the ends of said blades to leave a space between them extending to said ends, said blades having lateral edges extending back of said space and diverging slightly towards the rear from parallel relation to the line of said ridge, and said metal strip being bent upwardly at an acute angle about a line transverse of said ridge back of the rear end of said blades.

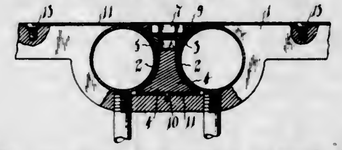
2,271,286
STRAINER STRUCTURE
William L. Cheshier, Indianapolis, Ind.
Application August 2, 1939, Serial No. 287,921
4 Claims. (Cl. 210—161)

1. A strainer structure including a strainer element, a handle and rim of continuous wire arrangement and including one or more outwardly directed projections on the rim, the handle being of dual arm character with arm portions spaced apart and movable towards and away from each other at the rim and a second rim of similar outline and of closed character including a corresponding number of and correspondingly spaced upwardly directed offset portions to nestingly seat the projection, or projections, of the first mentioned rim, and a correspondingly positioned, similarly directed offset portion for nesting the handle arm portions when collapsed to-



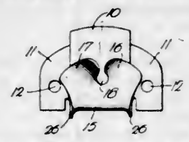
wards each other, the element being positioned between the rims and clamped therebetween when the rims are clampingly associated together, the rims being substantially identical in size when disassociated, the second mentioned rim lying below the first mentioned rim except for the nesting portions.

2,271,287
SKIN COVERED STRUCTURE
Adam Craigon, Toronto, Ontario, Canada
Application February 10, 1940, Serial No. 318,361
10 Claims. (Cl. 189—34)



1. The structure comprising spaced frame members; a plurality of pairs of spaced transverse ribs connecting the frame members, the ribs of each pair having their contiguous sides undercut; a skin fabric covering the ribs and extending into the space between the ribs; wedge members, narrower in one dimension and wider in another dimension than the width of the narrowest part of the space between the ribs, fitted over the skin fabric and between and transversely of said pairs of ribs below said narrowest part; filler strips extending longitudinally of the said pairs of ribs; and means securing the wedge members and the filler strips together to clamp the skin fabric between the wedge members and the adjacent sides of the transverse ribs.

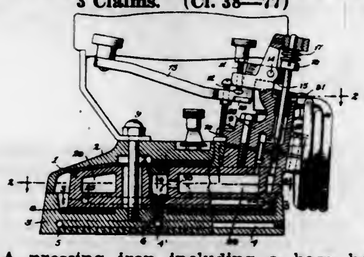
2,271,288
CLOTHESLINE HANGER
James E. Cuff, Hinsdale, Ill.
Application August 16, 1940, Serial No. 352,870
6 Claims. (Cl. 24—130)



4. A clothesline hanger comprising a base perforated for attachment to a support and an up-

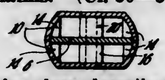
wardly opening hook connected to the base and comprising two tines spaced forwardly from the base, each tine being oppositely enlarged laterally toward the other adjacent to the free end of the tine to provide a constriction above a crotch for the line adjacent to the other end of the two tines, and said enlargements being oppositely turned, in the zone of such constriction, one toward the base and the other away therefrom.

2,271,289
PRESSING IRON
Samuel Dowinsky, New York, N. Y.
Application October 2, 1940, Serial No. 359,386
3 Claims. (Cl. 38—77)



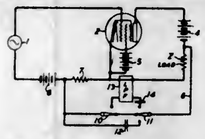
3. A pressing iron including a base having super-heating chambers therein and having discharge orifices in the bottom of the iron leading from said superheating chambers, a block fixed in said base having a first heating chamber, a second heating chamber, said first and second heating chambers extending substantially throughout said block in the same plane, and a primary heating passageway below said heating chambers, said passageway extending near each side edge of the block, across the back of the block, and to a point below the first heating chamber, an auxiliary passageway extending from one end of the first-mentioned passageway to said first heating chamber, a manually operated valve controlling communication between said first heating chamber and said second heating chamber, means for supplying low grade steam to said first-mentioned passageway, said block and said base having communicating passages therein connecting said second heating chamber with the superheating chambers in the base, and means to heat the base and the block.

2,271,290
TOOL
Elchanan Echikson, Newark, N. J., assignor to Pioneer Tool Co., Inc., Bloomfield, N. J., a corporation of New Jersey
Application September 6, 1940, Serial No. 355,642
2 Claims. (Cl. 30—342)



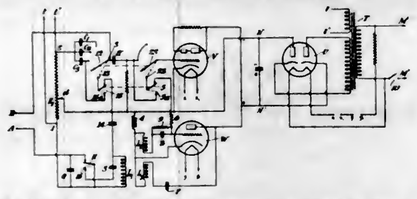
1. A tool of the class described comprising in combination, a working member having a strip-like shank part, a handle member encasing said shank part and consisting of a pair of substantially similar and separate cup-shaped parts having body portions at opposite sides of said shank part and flange portions, the rims of said flange portions being disposed in abutment with one another and adjacent side edges of said shank part, partition-like portions extending inwardly of said flange portions and terminating at a distance inwardly of said rims thereof and in bearing engagement with opposite faces of said shank part, and means securing said members together.

2,271,291
WAVE TRANSLATING SYSTEM
James O. Edson, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 1, 1936, Serial No. 72,026
14 Claims. (Cl. 179—171)



4. A wave translating system comprising a source of waves, an electric space discharge device connected thereto for transmitting portions only of said waves, means cooperating with said device to form a closed feedback loop producing simultaneous feedback around said loop of alternating current and direct current that reduce distortion of the wave portions transmitted by said device and thereby render the device a linear rectifier, and means operable for suppressing transmission of direct current around said loop while maintaining feedback around the loop of alternating current that renders the device a more nearly linear amplifier.

2,271,292
CONDENSER ANALYZER
John H. Fisher, Jersey City, N. J., assignor to Solar Manufacturing Corporation, Bayonne, N. J., a corporation of New York
Application March 6, 1940, Serial No. 322,463
10 Claims. (Cl. 175—183)

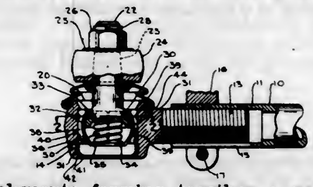


5. An instrument for testing a condenser for open, intermittent, and shorted connection, in combination, a circuit including a thermionic tube, a grid coil, and a plate coil for generating oscillations, a test circuit including a pair of clips adapted to be applied across the condenser under test, an inductance coil in the said test circuit, the three said coils being mutually inductively associated, and means for indicating oscillatory balance, the said tri-coils and said circuits being standardized to cause the said means to normally indicate balance, whereby when the said clips are applied across the condenser a continuation of balance denotes an open connection and a flickering of the indicator between balance and unbalance denotes an intermittent connection.

2,271,293
BALL AND SOCKET JOINT
William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application June 3, 1940, Serial No. 338,448
3 Claims. (Cl. 287—90)

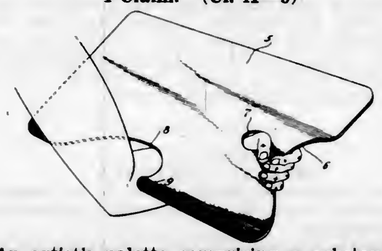
1. A ball stud assembly adapted for use in a joint structure having a hollow housing provided with interior bearing surfaces, said ball stud assembly including a stud member having

an enlarged portion arranged to extend into the housing; said enlarged portion having a flattened bottom central portion; a pair of similarly shaped elements substantially surrounding and in engagement with the enlarged portion of said stud member, the exterior lateral surfaces of



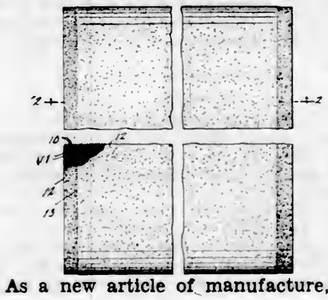
said elements forming together a partial ball shaped configuration; and spring means positioned within said elements and fitting the central flattened bottom portion of said stud member and directly engaging the inner surfaces of said elements.

2,271,294
ARTIST'S PALETTE
Elise Ford, New York, N. Y.
Application June 28, 1941, Serial No. 400,241
1 Claim. (Cl. 41—5)



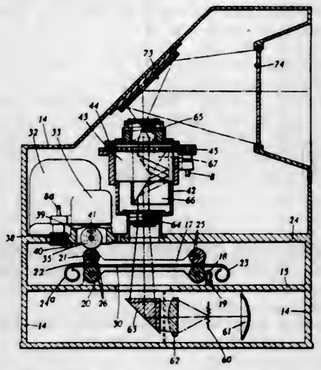
An artist's palette comprising a substantially rectangular body portion having one of its short edges formed with a recess and a thumb opening adjacent thereto and formed with a recess along one of the long edges sufficiently large to receive the forearm of the user and a nose portion formed at the end of said recess nearest the thumb opening to prevent the body portion falling off the forearm.

2,271,295
BELTING FOR USE AS PAPER FELT, INDUSTRIAL FELT, PULP FELT, DRIER FELT, AND THE LIKE
Percival T. Gates, Montclair, N. J., assignor to Drycor Felt Company, Belleville, N. J., a corporation of New Jersey
Application January 10, 1939, Serial No. 250,193
2 Claims. (Cl. 28—1)



1. As a new article of manufacture, a paper maker's felt for supporting and draining paper making material, comprising a woven base having warp and weft threads and nap producing fibres penetrating said base through the interstices between said warp and weft threads and projecting at the top and bottom, and an adhesive substance impregnated in the marginal portions of said material contiguous to its longitudinal edges to form a binder between the fibres and the woven base and interlocking the warp and weft threads of the woven base at the edges to render said marginal portions resistant to sleaziness and abrasion, said marginal portions being of greater density and relatively thinner than the remainder of the material whereby in passing between rollers said edges allow clearance to produce an even pressure across the felt upon the paper material supporting surface.

2,271,296
COURSE-INDICATING APPARATUS FOR VEHICLES
John Gordon Hargrave, Kings Langley, and Denis Cedric Williams, London, England
Application May 13, 1940, Serial No. 334,963
In Great Britain May 9, 1939
5 Claims. (Cl. 88—24)



1. An automatic course-indicating apparatus for vehicles, including within a casing provided with a viewing screen, two horizontal supporting walls arranged in spaced relation one above the other, a slide on the lower one of said two horizontal walls and horizontally movable in two directions mutually at right angles to each other, a transparent representation of a map or the like, mounted on said slide, means in the lower portion of said casing for illuminating said map on said slide from below, driving means on the upper one of said two horizontal walls and operatively connected with said slide for moving the same proportionately in accordance with the speed and direction of the vehicle, and an image projecting system mounted with its optical axis at a right angle to said slide on the upper one of said two horizontal walls for projecting an image of the illuminated portion of said map onto said viewing screen, said image projecting system including, a tubular casing fixed to said upper horizontal wall, a lens system mounted in the upper portion of said tubular casing, a second lens system mounted in the lower portion of said tubular casing, and a sleeve rotatably mounted in said tubular casing between said two lens systems and containing a prismatic light reflecting system, and means for rotatably adjusting said rotatable sleeve in ac-

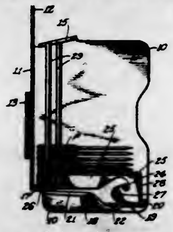
cordance with the direction of movement of the vehicle to rotate the image of said map appearing on said viewing screen.

2,271,297

LAUNDRY MARKING PIN HOLDER

Henry Hirsch, Jersey City, N. J., and Frederick G. Rees, Meriden, Conn., assignors to G. A. Braun, Inc., Chicago, Ill., a corporation of Illinois

Application May 9, 1941, Serial No. 392,612
18 Claims. (Cl. 40—19.5)



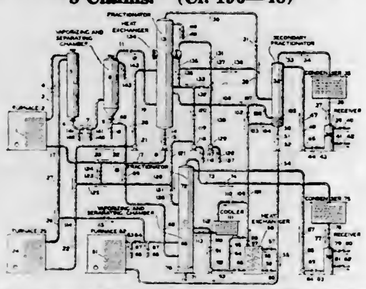
4. A holder for safety pins comprising, in combination, a housing formed with parallel side walls and a rear wall open at the front and top thereof, a stem having one end pivotally mounted in the housing with the other end of the stem free to swing out and into said housing through the open front thereof, said stem being adapted as means to removably carry a plurality of safety pins slidably retained thereon between the parallel side walls, and stop means on the open top of the housing between which the free end of the stem swings and under which the safety pins are aligned to lock them on the stem.

2,271,298

CONVERSION OF HYDROCARBON OILS

Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 28, 1937, Serial No. 161,402
8 Claims. (Cl. 196—48)



7. A conversion process which comprises cracking hydrocarbon oil heavier than gasoline, fractionating the resultant vapors to condense fractions thereof heavier than gasoline and returning fractions so condensed to further cracking within the system, further fractionating the vapors to separate the same into light gasoline fractions of satisfactory anti-knock value and a higher boiling condensate comprising low anti-knock heavy gasoline fractions, condensing and recovering said light gasoline fractions, subjecting said condensate to reforming to increase the anti-knock value of said heavy gasoline fractions, fractionating the vaporous products of the reforming step independently of the first-mentioned vapors, passing resultant reflux condensate in indirect heat exchange with said higher boiling condensate being supplied from the second-mentioned fractionating step to the reforming step, then returning the reflux condensate to the first-mentioned fractionating step in liquid form to serve as a refluxing medium in said first-mentioned fractionating step, and condensing and collecting the reformed vaporous products uncondensed in the third-mentioned fractionating step.

2,271,299

MANUFACTURE OF CATALYSTS

Vladimir Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 12, 1939, Serial No. 283,996
13 Claims. (Cl. 252—251)

1. A process for producing catalysts which comprises adding to a solid adsorbent an aqueous solution of a catalytically inactive metal halide, drying the resultant mixture, and then impregnating the mixture with an anhydrous aluminum halide.

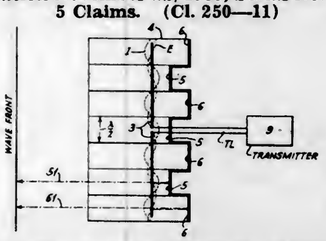
8. A process for producing catalysts which comprises adding to a solid adsorbent an aqueous solution of a catalytically inactive metal halide, drying the resulting mixture, and then impregnating the mixture with anhydrous aluminum chloride under temperature and pressure conditions adequate to fuse the aluminum chloride with said inactive metal halide.

2,271,300

DIRECTIVE ANTENNA

Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 22, 1939, Serial No. 305,572
5 Claims. (Cl. 250—11)



1. A directive antenna system comprising a parabolic reflector and a radiating member at the focus thereof, said member having a length equal to a whole multiple of one half the operating wavelength, said reflector having a radius which varies for every half wave increment along the length of said reflector so that the energy reflected from each of the incremental lengths of said reflector is additive along a common reference line.

2,271,301

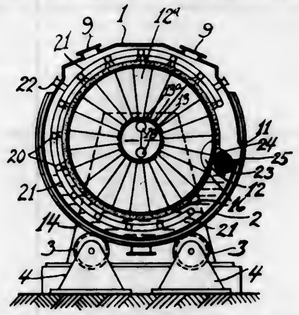
FILTER APPARATUS

Herbert H. Moor, Moore Township, Lambton County, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware

Application November 30, 1939, Serial No. 306,810
4 Claims. (Cl. 210—201)

1. A filter structure comprising a rotatable filter case, a rotatable filter element in said case having a common longitudinal axis, scraper

means longitudinally disposed within said case in substantially resilient surface contact with the filter element and solidly secured to said rotary filter case, and rotatable mounting means



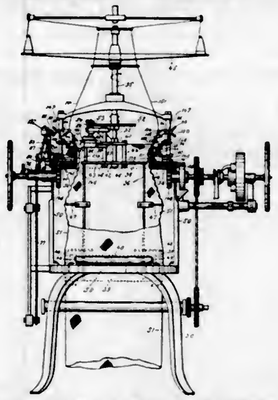
for the filter case providing for arcuate movement of the case about said common axis whereby the elevation of said scraper is variable with respect to the elevation of said common longitudinal axis.

2,271,302

KNITTING MACHINE

Charles Moses, New York, N. Y.

Application August 31, 1939, Serial No. 292,775
18 Claims. (Cl. 66—50)



1. In a multiple feed circular knitting machine, a stationary needle cylinder mounted upon a stationary framework, a rotating frame rotatable relative to said needle cylinder and having mounted thereon needle operating means, yarn feeding means, chain actuating means and yarn table supporting means, a single stationary cutting means mounted upon said rotating framework for cutting singular inoperative yarns, irrespective of the number of yarn feeds upon the machine.

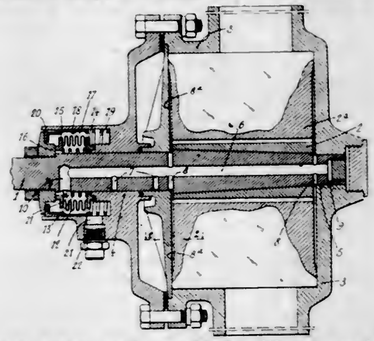
2,271,303

SHAFT LUBRICATING AND SEALING MEANS

Jean Louis Léon Alexandre Albert Moulet, Paris, France, assignor to Martin Moulet & Cie, Oullins, Rhone, France, a company of France

Application May 17, 1940, Serial No. 335,711
In France June 6, 1939
3 Claims. (Cl. 308—36.2)

1. A lubricating and fluid-tight device for shafts and rotatable elements comprising in combination a stationary member provided with a cylindrical bore in which said rotatable element is adapted to be rotatably supported, an annular member secured to and rotatable with said element, one of said members being provided with an inner cylindrical surface extending to close proximity of the other member so as to form about said element an annular hollow space and one of said members being provided with a bearing surface at right angles to the axis of said element, spring pressed packing means applied on both sides of the joint between the adjacent parts of said cylindrical surface of one member and said other member, connecting means provided on said stationary member and adapted to connect said hollow space with lubricant supplying means, an axially collapsible and extensible container disposed about said element in said



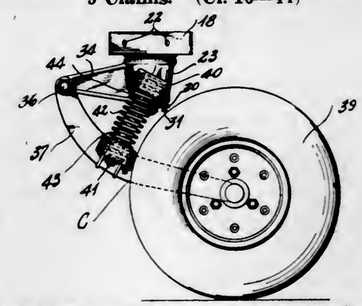
hollow space and provided with an end face adapted to bear in a fluid-tight manner on said bearing surface provided on said one member and secured in a fluid-tight manner to the other of said members, said container being adapted to collapse and to bring said end face away from said bearing surface when subjected to a compressed fluid on its outer side and to expand and to bring said end face against said bearing surface when subjected to a compressed fluid on its inner side, and spring means urging said end face against said bearing surface, whereby lubricant may be introduced in said container when pressure is exerted on the lubricant in said connecting means and may be retained in a fluid tight manner in said container when no pressure is exerted on said lubricant in said connecting means.

2,271,304

TRAILER UNIT

George K. Mulholland, Saginaw, Mich.

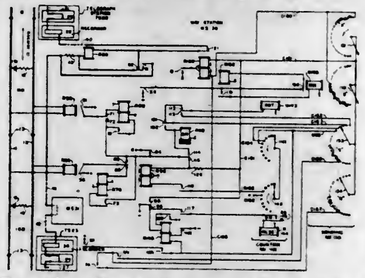
Application January 8, 1940, Serial No. 312,887
5 Claims. (Cl. 16—44)



1. A trailer unit having a frame adapted to be connected to a vehicle, a multi-wheeled caster

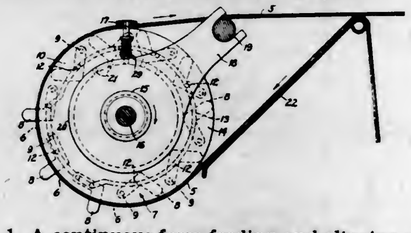
unit including a stem connected to said frame, a hub revolvable on said stem, and individual independently sprung wheel bearing members pivotally connected to said hub about a common center to permit each wheel to raise and lower with relation to and without affecting the companion wheel.

2,271,305
TRAFFIC SIGNALING SYSTEM
Kurt Mullerheim, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 31, 1940, Serial No. 355,005
9 Claims. (Cl. 177—380)



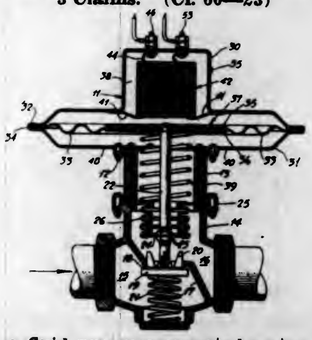
1. In a signaling system including a signal line which is rendered busy only while a signal is being sent thereover; means for testing repeatedly at spaced time intervals the idle or busy condition of said signal line, a sender operative to send a signal over said signal line, means controlled in response to the testing of said signal line as idle for operating said sender, and additional means controlled in response to the testing of said signal line as busy a predetermined number of times for operating said sender regardless of the busy condition of said signal line.

2,271,306
CONTINUOUS FORM FEEDING AND ALIGNING DEVICE
Ellsworth J. Nichols, Elizabeth, N. J.
Application April 29, 1941, Serial No. 390,903
7 Claims. (Cl. 197—133)



1. A continuous form feeding and aligning unit adapted to be included in the platen of a writing machine and comprising a plurality of form engaging pins pivotally mounted on said platen, each of said pins having a knob extending therefrom at a point removed from said pivot, a plate associated with said pins and being stationary relative to said platen, said plate having a cam channel formed therein and arranged to receive said knobs, and said pins and said plate being formed and positioned whereby said pins will be projected successively beyond the circumference of said platen into form engaging position and will be withdrawn therefrom as said platen is rotated.

2,271,307
THERMAL OPERATOR
William A. Ray, Glendale, Calif.
Application October 21, 1938, Serial No. 236,259
3 Claims. (Cl. 60—23)



1. In a fluid pressure operated motor, in combination, a housing, a flexible member closing an opening in a wall of said housing, a perforate container supported in said housing in spaced relation to the walls thereof, adsorbent material within said container, electrical heating means embedded in said material, a highly adsorbable gas within said housing and container and in contact with said material, and thermostatic means responsive to the temperature of said material for controlling said electrical heating means.

2,271,308
BOTTLE SEAL CUTTING AND TRIMMING DEVICE
William F. Ross, Chicago, Ill., assignor of one-half to John R. Bayston, Chicago, Ill.
Application October 17, 1941, Serial No. 415,497
4 Claims. (Cl. 30—2)

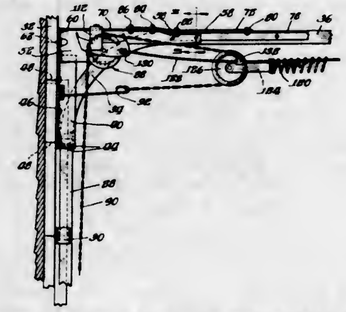


1. A bottle seal cutting and trimming device comprising a length of spring metal doubled back upon itself to provide two spaced apart and opposed arms, one of said arms bearing a pair of spaced apart cutting edges whereby to cut a seal disposed about the neck of a bottle circumferentially in two places and means on said one arm to permit the device to be adjusted for use in connection with bottles of different sizes.

2,271,309
OVERHEAD DOOR CONSTRUCTION
Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application July 25, 1939, Serial No. 286,429
4 Claims. (Cl. 16—94)

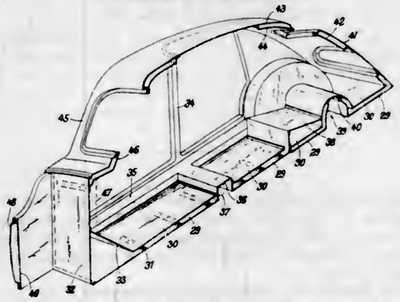
1. In an overhead door construction including a plurality of hingedly connected door panels,

guide tracks for said panels and a flexible element for lifting said door panels, the combination wherein said guide tracks comprise an upright section, a substantially horizontal section, and a separable intermediate curved section connected to the upright and substantially horizontal sections, a gusset plate for supporting said curved track section and connecting it with the other sections, a sheave wheel mounted on an axle for guiding said flexible lifting element in its move-



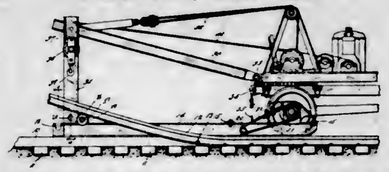
ments, means journaling one end of said axle in said gusset plate, a bracket member in which the other end of said axle is journaled, and means for removably securing the bracket member to the gusset plate comprising hooked projections on the bracket member, cooperating openings in the gusset plate for receiving said hooked projections, and means for removably securing said bracket member against accidental dislodgement of said hooked projections.

2,271,310
VEHICLE BODY
Kurt Schäfer, Berlin-Eichkamp, Germany, assignor to the firm Edward G. Budd Manufacturing Company, Philadelphia, Pa.
Application April 23, 1938, Serial No. 203,883
In Germany April 24, 1937
3 Claims. (Cl. 296—28)



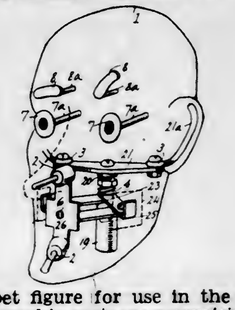
1. In an underframe structure for a vehicle such as an automobile; two closed box-section sills extending in the longitudinal direction of the vehicle and being spaced from each other for about the transverse width of the vehicle; each of said sills comprising an inner upright wall the height of which is about equal to the entire height of such sill and which faces the other sill; an upper floor panel and a lower floor panel; said two floor panels being vertically spaced from each other, and being in a longitudinal direction coextensive with at least a large portion of the length of said sills; the width of said panels being at least equal to the transverse space between said sills; the space between said panels being less than half the height of said sills; said floor panels having their longitudinal margins fastened in vertically spaced relation, rigidly, permanently and substantially throughout to said inner upright walls of said sills; a plurality of transverse braces being spaced from each other and arranged at intervals in the longitudinal direction of the vehicle; said braces being inserted between and rigidly fastened to said upper and lower floor panels; said floor panels together with said transverse braces and the inner walls of said sills forming closed box-section transverse reenforcing structures imparting to said underframe structure in collaboration with said sills, great load-carrying capacity, and great strength and rigidity against bending and torsion.

2,271,311
RAIL PULLER
Raymond Lynn Shambaugh, West Lafayette, Ind.
Application March 13, 1941, Serial No. 383,118
16 Claims. (Cl. 254—104)



1. A device for lifting rails embedded in a pavement, comprising a pair of runners adapted to rest on, and to be moved along the pavement on opposite sides of a rail to be lifted, a rail supporting member on said runners and adapted to move beneath and lift the rail as the runners are moved, said runners extending forwardly of said member to overlie the pavement at the point of initial movement of the rail, and means restraining upward movement of said runners at said point, to limit the amount of pavement disturbed by the movement of the rail out of said pavement.

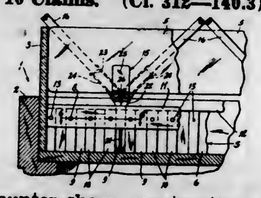
2,271,312
PRODUCTION OF ANIMATED CINEMATOGRAPHIC CARTOONS AND PUPPET FOR USE THEREFOR
Edwin Arthur Shorter, Hitchin, England
Application February 23, 1939, Serial No. 257,998
In Great Britain March 11, 1938
4 Claims. (Cl. 46—135)



1. A puppet figure for use in the production of cinematographic cartoons comprising a thorax block member and a pelvic block member, reinforced flexible and detachable members engaging in said block members and having stiff metal sheaths to serve as bearings on which such flexible members can oscillate to assume different

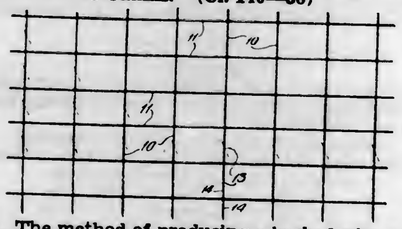
positions for varying the contour of the puppet figure, one flexible member engaged in said thorax block member to receive a tubular socket for the head of the puppet and means carried by said tubular socket for supporting the ears, mouth and chin.

2,271,313
COUNTER-SHAM PARTITION CLIP
Oscar Sliger, University City, Mo.
Application August 12, 1940, Serial No. 352,232
10 Claims. (Cl. 312—140.3)



10. A counter-sham construction comprising side rails having opposed grooves, a strip extending lengthwise of each side rail over said groove, clips overhanging said side rails and being disposed in pairs of opposed grooves, each of said clips in said opposed grooves having a jaw thereon and one of said clips having a partition retaining member secured to the rear thereof, a partition extending transversely across said counter-sham having its ends disposed between the jaws on said clips and a partition extending longitudinally of said counter-sham and its lower end disposed in said partition retaining member.

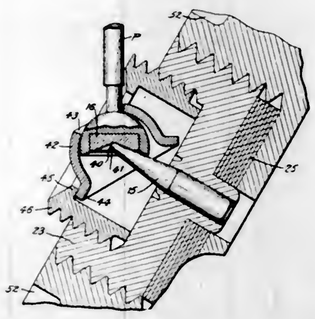
2,271,314
BARBED WIRE AND METHOD OF MAKING SAME
Raymond J. Southwell, Nichols, Conn.
Application March 16, 1940, Serial No. 324,256
3 Claims. (Cl. 140—58)



1. The method of producing a barbed wire with its barbs arranged in angularly related planes from a barbed wire having its barbs arranged in the same plane, which consists in twisting the ends of a section of the barbed wire carrying a series of barbs relatively in opposite directions and in twisting the corresponding ends of an adjacent similar section relatively in opposite directions with respect to each other and with respect to the direction of twisting of the corresponding ends of said first section.

2,271,315
UNIVERSAL FLIGHT INDICATOR
Elmer A. Sperry, Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application December 3, 1938, Serial No. 243,748
3 Claims. (Cl. 308—159)

1. In a universal flight indicator comprising a casing filled with fluid, a buoyant sensitive element in said fluid including a pendulous member, said element having a pivot, a bearing carried by said casing, said pivot engaging said bearing to permit relative movement between said element and said bearing, the portion of said pivot which engages said bearing in any position of the element relative to said bearing having the form of a portion of a sphere and the portion of said bearing which said pivot engages also having the form of a portion of a sphere of substantially the same radius as said portion of said pivot whereby the center of movement of said element is the center of said spherical portion, the portions of said bearing adjacent the spherical portion thereof being substantially tangent to said spherical portion, said element, exclusive of said pendulous member, having the center of gravity and center of buoyancy thereof coincident with the center of movement.



2,271,316
CERAMIC COMPOSITION
Harry Spurrier, Toledo, Ohio
No Drawing. Application September 6, 1938, Serial No. 228,591
6 Claims. (Cl. 106—68)

1. In a batch for producing ceramic bodies including mixed alumina and silica compounds and finely divided wood charcoal carbon in an amount less than one and one-half per cent by weight and more than one-fourth of one per cent.

2,271,317
CONVERSION OF HYDROCARBON OILS
Charles L. Thomas and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 6, 1941, Serial No. 373,309
16 Claims. (Cl. 196—52)

1. A process for converting hydrocarbon distillate heavier than gasoline into substantial yields of gasoline which comprises subjecting said distillate under cracking conditions to contact with a catalyst produced by separately precipitating hydrated aluminum oxide and hydrated silicon dioxide containing alkali metal ions, freeing the precipitated materials of alkali metal ions, by treating with a solution of a salt of magnesium, mixing the purified materials in the wet condition, and drying to remove a major portion of the total water content.

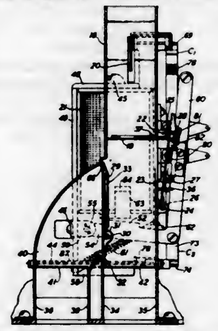
2,271,318
CONVERSION OF HYDROCARBON OILS
Charles L. Thomas and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 6, 1941, Serial No. 373,310
16 Claims. (Cl. 196—52)

1. A process for converting hydrocarbon distillates heavier than gasoline into substantial yields of gasoline which comprises subjecting said distillate under cracking conditions to contact with a catalyst produced by separately precipitating hydrated aluminum oxide and hydrated silicon dioxide containing alkali metal ions, freeing the precipitated materials of alkali metal ions, by treating with a solution of a salt of manganese, mixing the purified materials in the wet condition, and drying to remove a major portion of the total water content.

2,271,319
CONVERSION OF HYDROCARBON OILS
Charles L. Thomas and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 6, 1941, Serial No. 373,311
16 Claims. (Cl. 196—52)

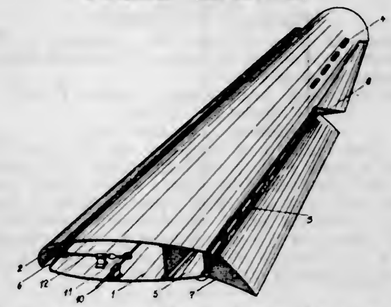
1. A process for converting hydrocarbon distillates heavier than gasoline into substantial yields of gasoline which comprises subjecting said distillate under cracking conditions to contact with a catalyst produced by separately precipitating hydrated aluminum oxide and hydrated silicon dioxide containing alkali metal ions, freeing the precipitated materials of alkali metal ions, by treating with a solution of a salt of cerium, mixing the purified materials in the wet condition, and drying to remove a major portion of the total water content.

2,271,320
COIN COLLECTOR
Leonard Vieth, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1939, Serial No. 295,228
12 Claims. (Cl. 194—16)



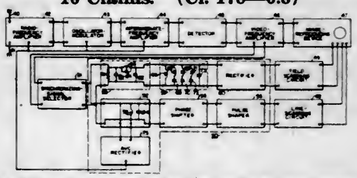
8. In a coin collector, a coin channel, a pivoted coin trap in said channel and having an arm external to said channel, a latching member engaging said arm to hold said trap in coin supporting position, an electromagnet, and means controlled by said electromagnet for releasing said trap from said member and for engaging said arm to force said trap into a coin discharging position.

2,271,321
AIRPLANE WING STRUCTURE
Herbert Wagner, Berlin, and Georg Backhaus and Hans Gropler, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application February 23, 1940, Serial No. 320,406
In Germany December 9, 1938
5 Claims. (Cl. 244—42)



1. In an arrangement of the character described, the combination with a main wing lying on one side of the fuselage, of a pair of rear flaps associated in laterally juxtaposed relationship with the trailing edge of said main wing, a forwardly disposed wing portion extending longitudinally of the main wing from a point adjacent its outer end along a substantial portion of its length and forming a slot between the upper and lower surfaces thereof, said slot extending well along the wing expanse covered by both flaps, a passage within the wing substantially coextensive and parallel with said slot, a separate opening from said passage through the wing surface adjacent each respective flap, and means within the wing for exhausting air through one of said openings and discharging it through the other.

2,271,322
TELEVISION BROADCAST SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 6, 1940, Serial No. 328,351
16 Claims. (Cl. 178—6.8)

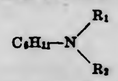


1. A television broadcast system comprising, a station for developing and transmitting a modulated-carrier wave including means for developing a video signal, means for developing continuous line-synchronizing pulses, means for developing a field-synchronizing signal consisting of one or more pairs of pulses for each field displaced half the period of said line-synchronizing pulses and effectively having the same area and having no part thereof coincident in duration with said line-synchronizing pulses, means for modulating a carrier wave with said developed signals and pulses for transmission, a station for receiving and reproducing said carrier wave including means for detecting and reproducing said video signal, means including a circuit

sharply-selective to the fundamental frequency of said line-synchronizing pulses for synchronizing the line scanning of said receiver, means for synchronizing the field scanning of said receiver, and means for applying to each of said two last-named means the composite synchronizing-signal component of a received carrier signal.

2,271,323
FLUSHING PIGMENTS
Edward G. Yee, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 5, 1939, Serial No. 298,055
10 Claims. (Cl. 106—262)

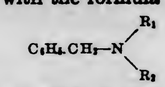
1. The method of flushing pigment particles from aqueous paste form into a liquid vehicle immiscible with water to release water, which comprises agitating a mass of aqueous pigment paste with a receiving liquid vehicle which is immiscible with water, in the presence of a small quantity of a cyclohexylamine compound having the grouping therein with the formula



in which R_1 and R_2 may be selected from the group consisting of hydrogen, and the radicals: methyl, ethyl, phenyl and cyclohexyl.

2,271,324
FLUSHING PIGMENTS
Edward G. Yee, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 5, 1939, Serial No. 298,056
10 Claims. (Cl. 106—262)

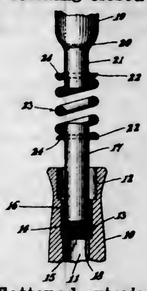
1. The method of flushing pigment particles from aqueous paste form into a liquid vehicle immiscible with water to release water, which comprises agitating a mass of aqueous pigment paste with a receiving liquid vehicle which is immiscible with water, in the presence of a small quantity of a benzylamine compound having the grouping therein with the formula



in which R_1 and R_2 may be selected from the group consisting of hydrogen, and the radicals: methyl and benzyl.

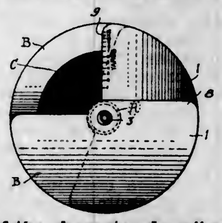
2,271,325
HEAT-CHOKE SOLDERING IRON
Leonard F. Young, Chester, Conn.
Application March 11, 1940, Serial No. 323,350
2 Claims. (Cl. 113—105)

1. In an electric soldering iron construction, a handle, a receptacle for a heating unit having a materially reduced tubular extension, a tubular member, having a threaded attaching end, extending from the handle and being aligned with and spaced from said extension, the diameters of said extension and of said tubular member being substantially equal, a stiff, open cylindrically shaped spiral structure permanently connecting the spaced ends of said extension and of said tubular member, so that a substantial portion of these tubular elements remain free of said spiral structure, the ends of the spiral structure forming closed ring-shaped con-



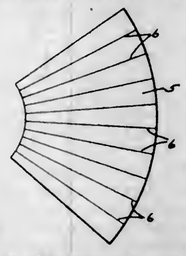
volutions with flattened exterior faces which latter are substantially spaced from said handle body and from the body of the receptacle.

2,271,326
DISPLAY REEL
George H. Bird, Brooklyn, N. Y.
Application June 14, 1940, Serial No. 340,455
3 Claims. (Cl. 242—70)



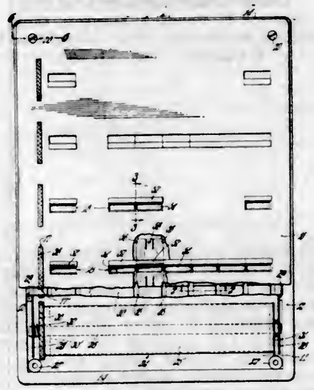
1. A reel of the character described comprising a tubular core, an end flange for each end of the core having a disk at one side snugly fitted into the corresponding end of the core, at least one end flange comprising a plurality of complemental segments to one of which the corresponding said disk is secured, and means pivotally mounting at least one of said segments for rotation about the axis of the core relatively to another segment to form an opening between said segments for display of the contents of the reel.

2,271,327
AIR NOZZLE
Frederick H. Chirgwin, Los Angeles, Calif., assignor to B. F. Sturtevant Company, Boston, Mass.
Application April 3, 1940, Serial No. 327,695
3 Claims. (Cl. 93—79)



1. The method of forming a conical air nozzle, which comprises forming a developed pattern of a conical nozzle, cutting a blank corresponding to the pattern from an insulating board, cutting slits along spaced converging lines partially through the blank, rolling the blank to the shape of the nozzle, tying the nozzle to prevent unrolling, and then dipping the assembly into a heated thermoplastic solution.

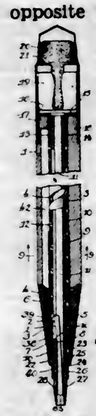
2,271,328
CALCULATING MACHINE
Alan W. Crowell, Longmeadow, Francis L. Merritt, West Springfield, and Kenneth H. Pond, Longmeadow, Mass., assignors to Monarch Life Insurance Company, Springfield, Mass., a corporation of Massachusetts
Application February 2, 1940, Serial No. 317,036
4 Claims. (Cl. 235—87)



1. The combination in a calculating apparatus which includes an open upper-sided receptacle and a horizontally-extending indicia-carrying roll journalled for rotation therein of, a horizontally-disposed plate member overlying said open upper side of the receptacle and having an opening therein, said plate member and roll being so arranged that said opening overlies the upper peripheral portion of the roll, a substantially flat cover member spaced above said plate member in substantial parallelism therewith and provided with an opening therein which coincides with said opening in the plate member, and a closure part slidably disposed between said plate and cover members for movements independently of said members between a position underlying said opening in the cover member and a position away therefrom, one of said members being provided with means for guiding said closure part in its slidable movements.

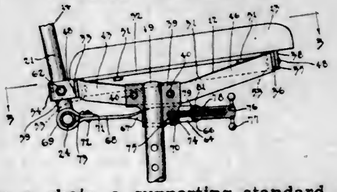
2,271,329
MECHANICAL PENCIL
Frank C. Deli and Erik Petau, Chicago, and Fred D. Woods, Glencoe, Ill., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1940, Serial No. 347,318
19 Claims. (Cl. 120—18)

8. In a mechanical pencil, a barrel having a longitudinal bore therein, a tip, a tube having a spiral trackway and fixed with relation to the tip, a slotted tube in the first mentioned tube, a plunger longitudinally movable in the slotted tube, a head fixed on said plunger and extending through said slot and overlapping the same and normally in engagement with said first mentioned tube, a recess in the material of the sides of the slot in alignment therewith, the head of the plunger moving radially inward into the recess when they come opposite thereto, one of said



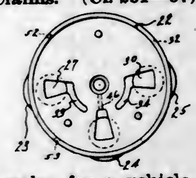
tubes being removable from the barrel by a straight longitudinal pull.

2,271,330
CHAIR
Clifford C. Dickson, St. Paul, Minn., assignor to The Fritz-Cross Company, St. Paul, Minn., a corporation of Minnesota
Original application April 20, 1938, Serial No. 203,054. Divided and this application November 15, 1939, Serial No. 304,536
6 Claims. (Cl. 155—161)



1. In a chair, a supporting standard, a seat frame connected thereto, a pivoted back rest frame extending upwardly therefrom, two longitudinal members pivotally connected to the back rest frame and straddling said standard, a cross member connected to said longitudinal members forwardly of said standard, a screw fixed relative to said standard and projecting forwardly therefrom, and a threaded member screwed upon said screw and engaging the cross member for swinging said back rest frame in a forward direction.

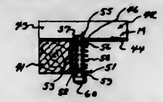
2,271,331
VALVE
Gordon R. Elliott, Ferndale, Mich., assignor to Velvac, Inc., Detroit, Mich.
Application December 26, 1939, Serial No. 310,904
3 Claims. (Cl. 251—87)



3. A control valve for a vehicle braking system comprised of a housing with air and vacuum inlet openings and an outlet opening, with slotted arcuate recesses of substantially reduced cross-

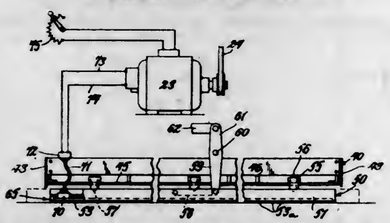
section in said housing communicating with said air and vacuum inlet openings defining bleeder ports, a rotatable disk disposed within said housing with an arcuate recess therein, adapted to establish communication alternately between either inlet opening and said outlet opening, and having its smaller radius slightly less than the outside radius of said bleeder ports, so that said recess is positioned to overlap in communicating relation a relatively small portion of the width of said bleeder ports upon rotation of said disk, whereby as said disk is rotated gradually cutting off an inlet and its communicating bleeder port, communication is gradually and adjustably established with the other bleeder port.

2,271,332
TABLE LEG FIXTURE
Alvin M. Ellington, Watertown, Wis.
Application August 3, 1940, Serial No. 350,605
3 Claims. (Cl. 311—99)



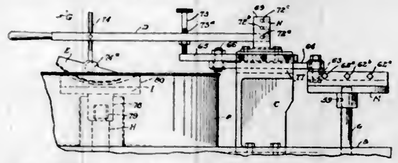
1. A table having a folding leg, and a fixture for pivotally connecting said leg to a part of the table, including a table bracket having an arcuate guide surface, and keeper recesses at the ends of said surface and located substantially 90 degrees apart, a leg bracket including spaced parallel side walls, and a connecting wall rigidly secured to the upper end of the leg, means pivotally connecting the side walls of the leg bracket to the table bracket intermediate the keeper recesses, a transversely extending latch bolt slidably mounted in the side walls of the leg bracket movable over the arcuate surface from one keeper recess to the other, said latch bolt having a groove adapted to be moved into alinement with the arcuate surface when the latch bolt is in one position for receiving an edge of said arcuate surface to permit swinging of said leg and to hold said bolt against sliding movement during the swinging of said leg, spring means normally holding the latch bolt, with the groove out of alinement with the notches and surface, and a thumb piece on one end of said bolt for facilitating the actuation of the bolt and for limiting the sliding movement of the bolt against the tension of said spring means.

2,271,333
HEATED CUTTER BAR FOR ROAD PAVERS
John D. Farrell, Nunda, N. Y., assignor to Adnun Engineering Corporation, Wilmington, Del., a corporation of Delaware
Application May 8, 1939, Serial No. 272,313
4 Claims. (Cl. 94—46)



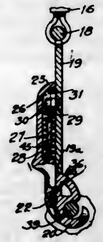
1. In a road paver of the character described for laying a course of mixed asphalt and aggregate, a carriage adapted to traverse the surface to be paved, an elongated cutter bar operatively connected with said carriage and extending transversely of the direction of movement of said carriage, said cutter bar including a removable member extending forwardly to provide a cutting edge on said cutter bar, means for reciprocating said cutter bar, means for depositing the mixed paving material in advance of said cutting edge to be graded thereby, an electrical resistance element secured to said removable member and means for supplying electrical energy to said resistance element to heat said cutting edge.

2,271,334
LENS GRINDING MACHINE
Robert E. Fosdick, Dayton, Ohio
Application August 23, 1938, Serial No. 226,354
6 Claims. (Cl. 51—67)



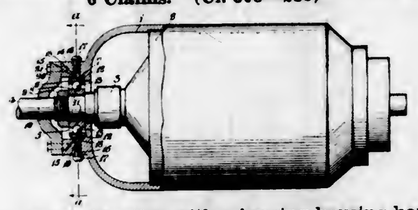
1. In a device of the class described, in combination, a frame, a rotatable member, a reciprocable member, one of said members carrying an abrasive material, the other of said members being adapted to carry a glass blank to be ground, means for rotating the first member, a carriage slidable in said frame, an arm pivotally secured to said carriage and supporting the second member proximate the first member, means for reciprocating said carriage respecting said first member in a straight line path, and means for vertically adjusting said arm to different fixed positions relative to said carriage while maintaining said arm in a horizontal position.

2,271,335
REEL CLIP
Ralph I. Geiger, Los Angeles, Calif.
Original application May 31, 1939, Serial No. 276,605. Divided and this application January 25, 1940, Serial No. 315,572
10 Claims. (Cl. 24—241)



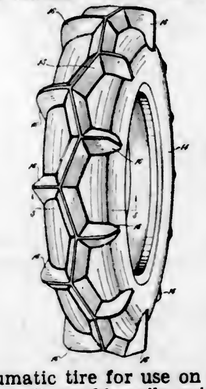
1. A quick release safety reel clip for a fisherman's harness hitch as described, comprising a plate member having a lock element having an elongated reel cross bar retaining lip portion, a pivoted latch member on said plate member having a reel cross bar engaging portion, and a slide engaging portion, a retractable slide member adapted to engage said latch slide portion, and be retracted therefrom, and a spring connected to said slide and plate whereby to effect said slide and lock engagement.

2,271,336
BEARING MOUNTING
Lester M. Goldsmith, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,359
6 Claims. (Cl. 308—236)



1. In combination with a bearing housing having a bearing slidably mounted therein, magnetic means disposed within said housing in engagement with said bearing to prevent rotation of said bearing while permitting diametral expansion of the bearing and limited motion of the bearing in the direction of the axis of the bearing.

2,271,337
PNEUMATIC TIRE
James E. Hale, Akron, and Albert Hargraves, Silver Lake, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 2, 1937, Serial No. 123,626
3 Claims. (Cl. 152—209)



1. A pneumatic tire for use on motor vehicles operating in soft, muddy soils, said tire comprising a flexible casing having a tread portion formed with a centrally disposed, circumferential, zig-zag traction and skid-resisting rib, said zig-zag rib being composed of straight components intersecting at apices on alternately opposite sides of the central plane of the tire, and a series of lateral traction ribs on each side of the tire tread, said lateral ribs joining said zig-zag ribs at said alternate apices, each of said lateral ribs extending at right angles to the central plane of the tire and at an angle to each of the adjacent straight components of said zig-zag rib.

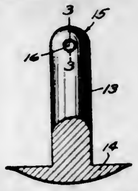
2,271,338
COLLAPSIBLE BOAT
Chauncey J. Hamlin, Jr., Buffalo, N. Y.
Application February 24, 1941, Serial No. 380,168
7 Claims. (Cl. 9—2)

1. A collapsible boat comprising a rectangular central bottom section, a slanting bottom section permanently and hingedly connected to said central section, trapeozidal sections permanently and hingedly connected to the lateral edges of said central section, and triangular sections perma-



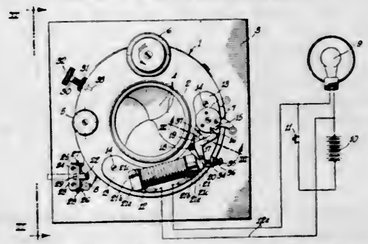
nently and hingedly connected to the lateral edges of said slanting section and to said trapezoidal sections, said trapezoidal and triangular sections comprising the sides of the boat.

2,271,339
TIRE REPAIR PLUG
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application December 4, 1939, Serial No. 307,476
2 Claims. (Cl. 152—370)



1. A tire repair plug comprising an elastic approximately cylindrical body formed with an approximately semi-spherical entry end the base of which semi-spherical end is the full diameter of the plug body, said body having a diametrical perforation at the maximum diameter base line of its semi-spherical entry end.

2,271,340
SHUTTER AND FLASH SYNCHRONIZER FOR CAMERAS
Irving Jacobson, Los Angeles, Calif., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application June 19, 1939, Serial No. 279,922
10 Claims. (Cl. 67—29)



1. In a device for controlling the actuation of a camera shutter which has a main spring releasable to actuate said shutter, a cocking member for said main spring, a trigger, and coupling means coupling said trigger to said main spring and responsive to movement of said trigger to shutter actuating position to effect release of said main spring, the combination of restraining means engaged with said main spring cocking member independently of said coupling means for restraining said main spring after said trigger is moved to shutter actuating posi-

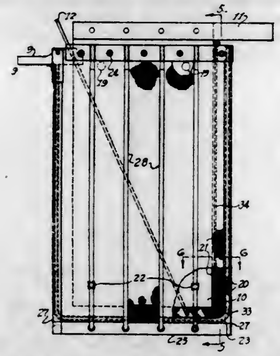
tion; electromagnet means coupled to disengage said restraining means from said main spring cocking member upon change in the electrical condition of said electromagnetic means, and means to vary the extent of engagement of said restraining means with said main spring cocking member, to effect synchronizing of shutter action with the time of attainment of maximum photo-flash lamp brilliancy.

2,271,341

ELECTROLYTIC CELL FOR PRODUCING INSOLUBLE METAL SALTS

Gunnard E. Johnson, Hammond, Reginald G. Bowman, Gary, and William J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company, East Chicago, Ill., a corporation of Montana

Application December 22, 1937, Serial No. 181,153
10 Claims. (Cl. 204—257)



1. In a bifluid cell for producing insoluble metal salts, a cell tank adapted to contain an anolyte solution, a soluble anode mounted in said tank, a cathode assembly mounted in said tank in close proximity to said anode and comprising a rigid U-shaped frame for immersion in the tank and providing side and bottom diaphragm supporting members, a top cathode supporting member rigidly secured to said frame wholly at the upper end thereof, a cathode sheet secured to and wholly supported by said cathode supporting member and extending into the confines of said frame but being spaced at both its side and bottom edges from the side and bottom diaphragm supporting members provided thereby, and a porous diaphragm envelope wholly enclosing the submerged portion of the frame and held in extended position thereby, the diaphragm envelope being secured to said frame at the upper end thereof.

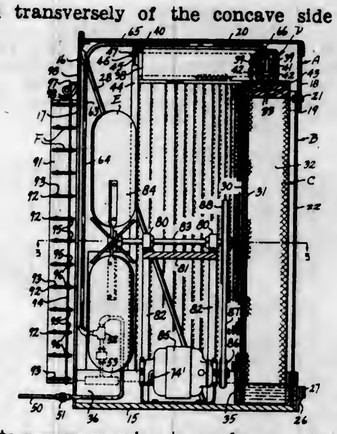
2,271,342

AIR CONDITIONING AND COOLING MACHINE

Julian E. Korts, Baxter Springs, Kans.

Application February 5, 1940, Serial No. 317,442
2 Claims. (Cl. 261—106)

1. An air conditioning device comprising elevated distributing means for a vaporizable liquid such as water, a lower container, an arcuate porous member for conducting the liquid from said means to the lower container, said member being formed of fabric pleated to provide substantially vertically disposed dihedral panel sections, means to supply said liquid to said distributing means, and means creating an air suction zone and an air delivery zone, one of said zones being disposed transversely of the concave side of the



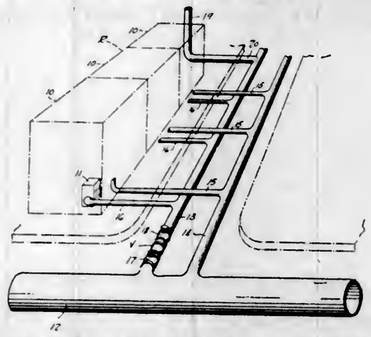
arcuate porous member to produce a substantially uniform draft of air thru said member.

2,271,343

WATER SYSTEM

John Werner Ornell, Philadelphia, Pa.

Application June 25, 1940, Serial No. 342,220
3 Claims. (Cl. 137—79)



1. In combination, a plurality of houses that are to be supplied with water and each including a water heater, a water system for supplying water to the houses consisting of a supply main, a cold water auxiliary main, a conduit extending from said cold water auxiliary main to each house, a hot water auxiliarly main, a conduit extending from said hot water auxiliary main to the water heater of each house, and a one-way check valve included in said hot water auxiliary main for preventing water passing from said hot water auxiliary main to said supply main.

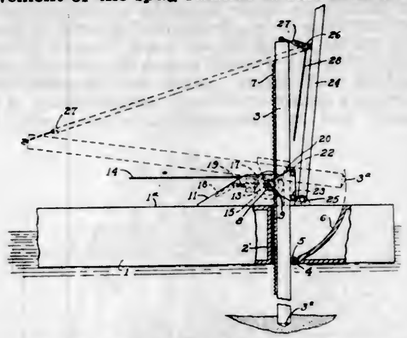
2,271,344

RECLINABLE SPUD CONSTRUCTION

John D. Rauch, Lima, Ohio

Application December 23, 1940, Serial No. 371,430
16 Claims. (Cl. 37—73)

1. In a spud construction of the class described, in combination, an integral spud, a pivotal axis therefor, means for pivotally supporting said spud on said axis for swinging movement thereabout and for longitudinal movement of the spud in the direction of its length relative to said axis, and means engageable with and disengageable from said spud as a result of longitudinal movement of the spud relative to said means for



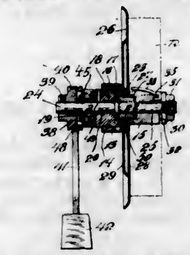
maintaining the spud against swinging movement when so engaged.

2,271,345

TEXTILE PACKAGE HOLDING DEVICE

George Repass, Pawtucket, R. I., assignor to H & B American Machine Company, a corporation of Maine

Application February 13, 1941, Serial No. 378,766
5 Claims. (Cl. 242—75)



1. A device of the character described comprising a support, a rotary spindle journaled intermediate its ends for free rotation on said support, the opposite end portions of said spindle being unsupported and projecting in opposite directions from said support in an overhanging relationship thereto, roll-holding means fast on one of said overhanging end portions of said spindle, and means associated with the other overhanging end portion of said spindle for controlling the rotation of the spindle as it turns during unwinding of material from a supply roll when said roll is mounted upon said roll-holding means.

2,271,346

WALL-PAPER SAMPLE DEVICE

George Rosenberger, Muncie, Ind.

Application December 15, 1939, Serial No. 309,457
3 Claims. (Cl. 206—82)



1. A device of the kind described, consisting of

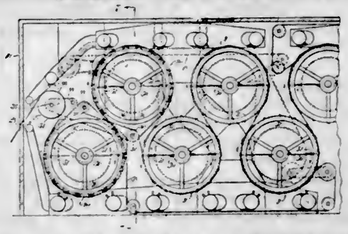
a resilient light gauge plate having a marginal portion thereof turned aside, out of, and thence inwardly toward the plane of said plate, and a sheet of paper or the like arranged on and in close lying relation with said plate, said sheet at its one end being attached to the edge of said inturned marginal portion of said plate, the latter being strained outwardly away from the plane of said plate, and said sheet at its other end being attached to the edge of the opposite marginal portion of said plate.

2,271,347

DRYING APPARATUS

William T. Runals, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 7, 1938, Serial No. 194,348
5 Claims. (Cl. 34—155)



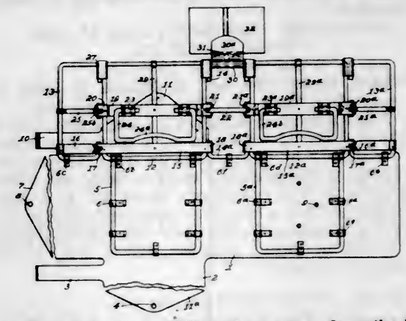
1. Apparatus for drying a continuous moving web of wet material, said apparatus comprising a hollow, stationary drum, a circumferential series of feed rollers journaled therein for supporting and feeding said web, means for rotating said feed rollers in unison independently of the feed of the web and at the same surface speed as the latter, helically arranged ribs on said feed rollers constituting the sole web-engaging means, and means for circulating a gaseous drying medium interiorly and exteriorly of the drum.

2,271,348

COMBINATION READING STAND AND BOOK CARRIER

James J. Sampson, Waterloo, Iowa

Application November 20, 1939, Serial No. 305,327
2 Claims. (Cl. 45—57)



1. In a device of the character described, a portable book-holder, comprising in combination, a flexible cover, rigid like basal members fastened upon said cover, like spaced pairs of skeleton easels spaced apart longitudinally and hingedly foldable upon said basal members with the latter spaced apart and also hingedly foldable together with said cover, the easels also

including end-hinged extension members also foldable upon and connected to said cover pivotally, U-shaped props on the rear parts of the skeleton easels and end-engageable with parts of the basal members when the props are extended adjustably, a plurality of linking rigid cross connections between the inner parts of the easels for permitting the respective members of the easels to be spaced apart when collapsed in parallelism for supporting articles fitted between them, and means for hingedly connecting an adjacent one of the cross connections to the cover.

2,271,349

RADIATOR HOSE AND DRAIN

Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 23, 1938, Serial No. 191,975
5 Claims. (Cl. 251—155)



1. A pet cock comprising a valve body molded of resilient rubber, said body having a cylindrical opening therethrough, the central portion of which is enlarged to a greater diameter than its end portions, a rotatable cylindrical valve core having an enlarged central portion with reduced end portions, said core being disposed in said opening so that the enlarged central portion of the core is resiliently gripped by the wall of the enlarged central portion of said body opening, said core and body having port openings therein which in one position of said core become aligned to form a passageway through said body and core and which in other positions of said core are non-aligned to thereby close said valve.

2,271,350

COMPOSITION OF MATTER FOR USE AS AN INSECTICIDE

Lloyd E. Smith and Herbert L. J. Haller, Washington, D. C.; dedicated to the free use of the Public in the territory of the United States of America

No Drawing. Application June 17, 1941, Serial No. 398,444
5 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of dissolving from above 0.01% to about 0.3% of rotenone in a petroleum spray oil, consisting of heating in an open vessel substantially pure rotenone with a fatty oil which is soluble in the petroleum spray oil at a temperature and for a length of time sufficient to dissolve the rotenone in the fatty oil, thence adding the resulting liquid solution, while hot, to the petroleum spray oil.

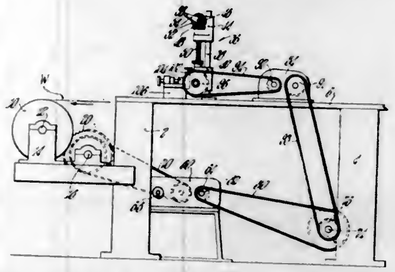
2,271,351

APPARATUS FOR MAKING PAPER

John A. Spencer, South Hadley Falls, Mass., assignor to Spencer Specialties Inc., South Hadley Falls, Mass., a corporation of Massachusetts

Application April 12, 1940, Serial No. 329,341
6 Claims. (Cl. 92—48)

1. The combination in a paper making machine of, a traveling foraminous element, means for moving the same including a rotatable member rotatable in synchronism therewith, a dandy roll for acting on paper being formed on said element having a shaft, means for rotatably supporting said dandy, means for rotatably supporting a dandy drive shaft independently of the dandy and in substantial alignment with the



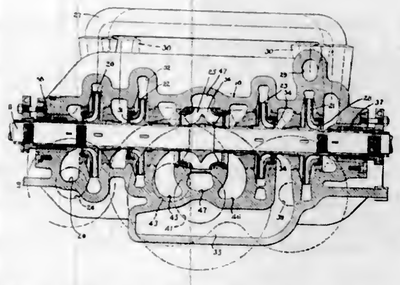
shaft thereof, a dandy drive shaft rotatable therein, coupling means for connecting said shaft and dandy shaft, and positive driving connections between said rotatable member and drive shaft whereby said dandy is positively driven from said rotatable member to provide a surface speed thereof that bears a predetermined relation to that of said wire.

2,271,352

CIRCULATING PUMP FOR STEAM GENERATORS

Max Spillmann, Clifton, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application January 4, 1940, Serial No. 312,369
15 Claims. (Cl. 103—105)



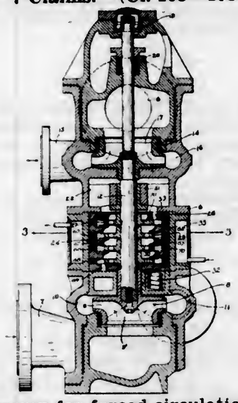
5. In a pump for forced circulation system steam generators, a casing, a shaft therein, a plurality of boiler feed water pumping impellers in said casing, a circulating impeller in said casing for forceably circulating feed water through a portion of the steam generator, said circulating impeller being adapted to receive water at high inlet temperatures and pressures, a sealing gland structure between said shaft and casing, said boiler feed water pumping impellers arranged between the suction inlet of said circulating impeller and said sealing gland structure and being of such size as to be capable of developing a pressure approximately equal to the suction pressure of the circulating impeller to build up a counterbalancing pressure against leakage from the circulating impeller towards said sealing gland structure.

2,271,353

BOILER CIRCULATING SYSTEM AND PUMP

Max Spillmann, Clifton, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application January 4, 1940, Serial No. 312,370
7 Claims. (Cl. 103—105)



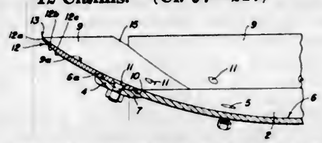
5. In a pump for forced circulation steam generators, a casing, a circulating pump in said casing adapted to receive fluid at its suction at high pressures, a driving shaft, a stuffing box between said shaft and casing, and a plurality of pump impellers between said circulating pump and stuffing box and being capable of developing a pressure equal to or greater than the discharge of said circulating pump and having their total discharge directed against leakage of the circulating pump to set up a counteracting pressure against leakage from the circulating pump.

2,271,354

PLOW DISK

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application February 8, 1940, Serial No. 317,868
12 Claims. (Cl. 97—217)



1. A plow disk comprising a dished center disk section having an inner substantially continuous concave surface, a plurality of peripheral wear resisting sections, the inner surface of each of which is dished to form a continuation of the concave surface of said center disk section, and means connecting said peripheral sections to said center section with the major part of the ends of said peripheral sections in edge to edge contact.

2,271,355

PANEL

Carroll V. Sweet, Madison, Wis.; dedicated to the free use of the People in the territory of the United States

Application July 16, 1941, Serial No. 402,706
3 Claims. (Cl. 20—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A building panel comprising a plurality of crosspieces, longitudinal cleats secured to the back of said crosspieces, cross cleats secured at the ends of said longitudinal cleats, all of said



cleats forming a box, a sheet of material between said cleats and said cross pieces, insulating material in said box, and a cover sheet over said cleats and insulating material.

2,271,356

HYDROCARBON CONVERSION

John Turkevich, Princeton, N. J., and Robert F. Ruthruff, Chicago, Ill., assignors to Process Management Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1940, Serial No. 343,170
11 Claims. (Cl. 260—668)

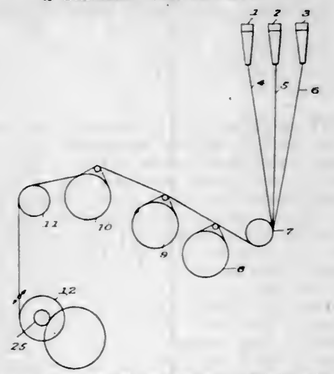
4. A process for promoting reactions of organic materials which are susceptible to the catalytic effect of an active chromium oxide catalyst which comprises contacting said organic materials at elevated temperature with a catalyst comprising gel-type chromium oxide prepared by reacting chromium trioxide and a reducing agent in aqueous solution to form a gelatinous reduction product and drying said gelatinous product.

2,271,357

PROCESS OF PRODUCING HIGH-STRENGTH ARTIFICIAL SILK BY THE FUNNEL STRETCH-SPINNING PROCESS

Georg von Wyss, Gozzano-Buccione, and Ferdinando Biffi and Piero Franchetti, Gozzano, Italy, and Erich Sellner and Alexander Luchtenberg, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

Application May 28, 1940, Serial No. 337,722
In Germany January 9, 1939
2 Claims. (Cl. 18—54)



1. In a method of producing high strength artificial silk from cuprammonium cellulose solution, the steps comprising spinning a plurality of strands of cuprammonium cellulose by the cellulose stretch-spinning process in separated funnels which are adjacent to each other and pointed in the same direction, combining the strands thus spun into a single thread on a positively driven traverse roller below the funnels,

continuing the stretching and forming of the combined thread by passing the same over a series of positively driven stretching rollers having progressively increasing peripheral speeds and treating the spun thread with washing solutions while on certain rollers of the series, and then spooling the thread upon a perforated cylinder.

2,271,358

WELD-ROD COATING AND METHOD THEREOF

Gilbert Wilkes, Loudon E. MacFadyen, Dale S. Rice, and George Lauson Alpaugh, High Bridge, N. J., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a corporation of New Jersey

No Drawing. Application August 23, 1940, Serial No. 353,984
4 Claims. (Cl. 219—8)

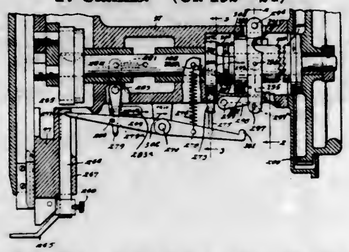
1. A weldrod having a dipped coating comparable to extruded coatings and resulting from a mixture of flux and slag-producing materials together with an effective amount of potassium permanganate for the purpose and with the result of promoting crystal growth manifested as a close interwoven system of hair-like fibrous form which extends throughout the mass and fills voids and makes for density, hardness and uniformity, whereby the coating is comparable to extruded coatings in its freedom from flaking and general behaviour under the action of the arc.

2,271,359

SAFETY CONTROL

Rudolph E. Zeruneith, New York, N. Y.

Original application April 13, 1939, Serial No. 267,739. Divided and this application August 3, 1939, Serial No. 288,203
17 Claims. (Cl. 192—24)



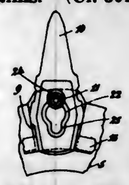
1. In a safety control for the purpose set forth, a driven shaft, a driving means for said shaft, a rotatable connector means keyed to and axially slidable on said shaft into and out of interlocking engagement with said driving means for said shaft, means urging said connector means into interlocking engagement with said driving means, a pair of diametrically opposed semi-circular segmental cam elements rigidly associated with said connector means, a vertically disposed oscillatory lever pivotally suspended at its upper end and having its lower end arranged below said elements, a cam follower carried by said lever common to and arranged to be operatively reciprocated by said elements in a direction having a component parallel to the path of the sliding movement of the said connector means, means coacting with the lower end of said lever for latching said lever to prevent the reciprocation of the cam follower to provide for the latter holding the connector means clear of the driving means against the action of the said urging means for the connector means, and a pivotally suspended oppositely movable means for correlation with said latching means and providing at the extent of a complete movement thereof in one of its directions the shifting of the latching means to release said lever for oscillation whereby the cam follower will be reciprocated by the cam elements and said urging means will move the connector means into interlocking engagement with said driving means.

2,271,360

TRACTOR OR OTHER VEHICLE WHEEL

Marcellin Eugène René Bernardon, Paris, France, assignor to Societe Anonyme des Pneumatiques Dunlop, Paris, France, a company of France

Application January 23, 1939, Serial No. 252,458
In France February 18, 1938
5 Claims. (Cl. 301—50)



1. A vehicle wheel with peripheral ground gripping blades, comprising a concentrical annular member for supporting such blades in radial recesses made along its periphery, these recesses having two inwardly converging side walls, a threaded stud rigidly projecting between these side walls, said blades each constituted by two opposed wedge-like portions, one being substantially triangular and the other truncated, forming laterally inclined edges adapted to be engaged with said side walls, a nut on each stud, each blade having an elongated centrally enlarged slot adapted to ride on said stud so as to enable the blade to be either rigidly fixed in its recess by means of said nut when screwed down on said stud and by means of the wedging action between said side walls and respective laterally inclined edges of the blade with its triangular wedge-like portion projecting outwardly from the wheel in its operative position, or to be reversed and set into its inoperative position with the said triangular wedge-like portion turned inwardly.

2,271,361

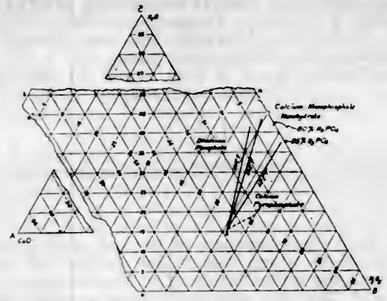
PROCESS OF PRODUCTION OF ANHYDROUS MONOCALCIUM PHOSPHATE

Frank B. Carpenter, Jr., and Wilbur K. Enos, Charleston, S. C., assignors to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia

Application April 25, 1939, Serial No. 269,986
3 Claims. (Cl. 23—109)

1. A process of producing monocalcium phosphate in the form of small discrete crystals, comprising heating phosphoric acid of at least 75% H_3PO_4 while adding gradually an amount of lime less than about 65% of that necessary to convert the H_3PO_4 to monocalcium phosphate until the mass thickens with formation of hydrated crystals of monocalcium phosphate, and then heating to bring the mass into a more liquid and definitely boiling condition at about 300° F., with conversion of the hydrated monocalcium phosphate to the anhydrous crystalline form, and then eliminating liquid from the mass by heating and adding lime to attain a weight ratio of $CaO:P_2O_5$ of about 0.39 to complete the

formation of anhydrous monocalcium phosphate,



free from excess phosphoric acid, as a dry product.

2,271,362

REFRACTORY ALKALINE EARTH CHROMITE CASTING

Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 11, 1939, Serial No. 299,037
10 Claims. (Cl. 106—58)

1. A heat cast refractory analytically containing not more than 25% magnesia, the remainder being substantially only oxide of chromium.

2,271,363

REFRACTORY FERROUS CHROMITE CASTING

Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 11, 1939, Serial No. 299,038
7 Claims. (Cl. 106—66)

1. A heat cast refractory consisting essentially of ferrous chromite and substantially free from compounds other than those of the metals forming said chromite.

2,271,364

REFRACTORY CHROMITE CASTING

Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 11, 1939, Serial No. 299,039
3 Claims. (Cl. 106—63)

1. A heat cast refractory substantially free from silica and consisting essentially of ferrous chromite and at least one of the alkaline earth chromites.

2,271,365

REFRACTORY FERROUS CHROMITE-ALUMINA CASTING

Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 11, 1939, Serial No. 299,040
2 Claims. (Cl. 106—66)

1. A cast refractory containing by chemical analysis from 15 to 30% iron oxide and not over 50% alumina, the remainder being substantially only chromic oxide, without any substantial amount of magnesia and silica.

2,271,366

CAST REFRACTORY PRODUCT

Theodore E. Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 20, 1939, Serial No. 300,480
2 Claims. (Cl. 106—57)

1. A cast refractory consisting essentially of crystalline zirconia and corundum in a siliceous non-crystalline matrix in which the total silica in the refractory is less than 20 per cent by weight by chemical analysis.

2,271,367

REFRACTORY ZIRCONIA CASTING

Gordon S. Fulcher, Chevy Chase, Md., and Theodore E. Field, Louisville, Ky., assignors to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 11, 1939, Serial No. 299,041
8 Claims. (Cl. 106—57)

1. A cast refractory article containing at the most a slight amount of silica and consisting principally of zirconia, alumina and at least one of the group consisting of Na_2O and K_2O in which the zirconia is greater than 20% and the ratio of alumina to alkali is less than 19 to 1 by weight by chemical analysis.

2,271,368

CAST REFRACTORY

Gordon S. Fulcher, Chevy Chase, Md., and Theodore E. Field, Louisville, Ky., assignors to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application October 24, 1939, Serial No. 301,080
13 Claims. (Cl. 106—57)

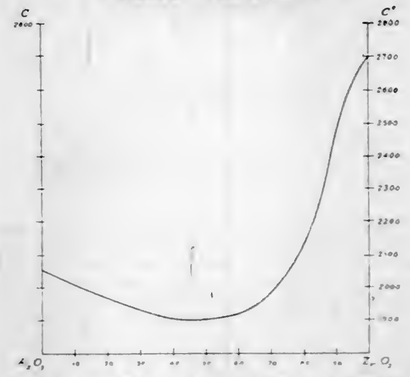
1. A heat cast refractory containing substantial quantities of crystalline chromic oxide greatly in excess of one percent and zirconia.

2,271,369

REFRACTORY ZIRCONIA-ALUMINA CASTING

Gordon S. Fulcher, Chevy Chase, Md., and Theodore E. Field, Louisville, Ky., assignors to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

Application October 24, 1939, Serial No. 301,081
7 Claims. (Cl. 106—57)



1. A cast refractory consisting essentially of

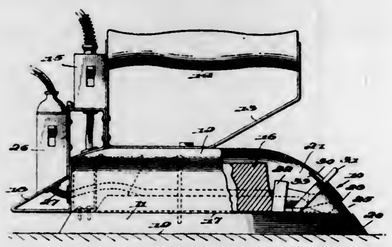
zirconia and alumina and substantially free from iron oxide and titania, and in which the zirconia is not less than 60% and the alumina is not greater than 25% by weight by chemical analysis.

2,271,370
TIRE VALVE DEFLATOR
Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application November 9, 1939, Serial No. 303,669
2 Claims. (Cl. 81—15.4)



1. A deflator having a body portion formed from a single piece of resilient material, said body portion including a pair of sections folded back upon each other to provide jaws for engaging the valve stem, each jaw being composed of inner and outer folds of said material, and a spring arch connecting the inner folds of said jaws, the outer folds of said jaws extending from said jaws on each side of said spring arch and in the same direction as said arch to provide finger engaging elements for manually opening said jaws and expanding said spring arch, and a valve engaging pin depending from said spring arch and having shoulders for engaging the top of the valve stem to limit the extent to which the valve may be forced inwardly.

2,271,371
IRON WITH ILLUMINATING DEVICE
Brooks B. Harding, Freeport, N. Y.
Application June 14, 1938, Serial No. 213,663
8 Claims. (Cl. 240—2)



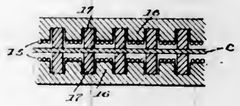
1. An electric iron comprising a main body portion formed with a pointed nose at its forward end, a chamber within the iron body portion, a lamp in said chamber, and an opening through the front end of the nose in the lower portion thereof through which rays of the lamp are projected said opening being positioned to project a beam from said lamp forwardly of the iron body in a substantially horizontal direction along the material being pressed.

2,271,372
METHOD OF TREATING STRIP METAL
Francis J. Herman, Youngstown, Ohio, William F. McGarrity, Hillcrest, Pa., and Laurin D. Woodworth, Youngstown, Ohio
Application April 10, 1939, Serial No. 267,098
2 Claims. (Cl. 148—4)



1. In the manufacture of hot rolled strip steel, the method which comprises cutting the strip into lengths immediately after it leaves the rolling mill finishing stand at a temperature above the critical temperature of the steel, conveying the cut lengths successively through a cooling liquid spray so as to rapidly cool the same down through their upper critical temperature to a temperature slightly therebelow, then further cooling said lengths in air which is at atmospheric temperature to a temperature of approximately 1050 degrees Fahrenheit in a predetermined time and finally piling said lengths one on the other and permitting them to cool freely in air which is substantially at atmospheric temperature.

2,271,373
METHOD OF TEMPERING GLASS
Bernard Long, Paris, France, assignor to The American Securit Company, Wilmington, Del., a company of Delaware
Original application December 17, 1935, Serial No. 54,918, now Patent No. 2,244,715, dated June 10, 1941. Divided and this application March 17, 1939, Serial No. 262,579. In France December 22, 1934
2 Claims. (Cl. 49—89)



2. A method of manufacturing a sheet of glass having in at least a portion thereof tempered zones surrounding zones which are tempered to a lesser degree which comprises tempering said portion of the sheet by heating and cooling suddenly, and subsequently reheating said portion of the sheet at the surrounded zones.

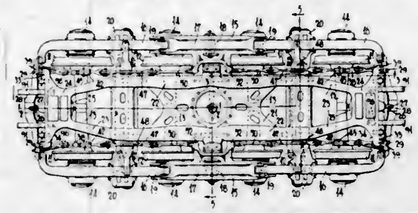
2,271,374
PROCESS OF COATING METAL SURFACES
Cecil J. MacKay, Montreal, Quebec, Canada, assignor to Rust Proofing Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application July 14, 1939, Serial No. 284,557. In Canada August 13, 1935
16 Claims. (Cl. 148—6)

1. A process of coating articles of iron, copper, and alloys of each of them, which process comprises fusing together a mixture of alkali metal compounds including alkali metal phosphate and alkali metal nitrate, the resulting mixture being in the molten state reactive with the metal treated to produce a coating thereon, and subjecting the articles to the action of the molten mass.

2,271,375
PROCESS OF COATING METAL SURFACES
Cecil J. MacKay, Montreal, Quebec, Canada, assignor to Rust Proofing Company of Canada, Limited, Montreal, Canada, a corporation of Canada
No Drawing. Application July 14, 1939, Serial No. 284,559. In Canada August 13, 1935
2 Claims. (Cl. 148—6)

1. A process of treating articles of iron, copper and alloys of each of them, which process comprises fusing together manganese dioxide and a mixture of alkali metal compounds including alkali metal hydroxide and alkali metal carbonate, the resulting mass being in the molten state reactive with the metal treated to produce a surface coating thereon, and subjecting the articles to the action of the molten mass.

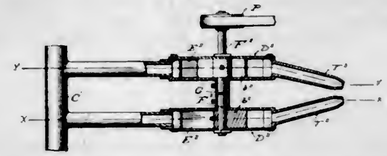
2,271,376
BRAKING MECHANISM FOR RAILWAY CAR TRUCKS
Harry A. Moeller, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application February 15, 1939, Serial No. 256,571
3 Claims. (Cl. 188—205)



1. In a railway car truck of the type having wheel-supported axles, journal boxes mounted on the axles, side frame systems carried by the journal boxes, springs supported by the side frame systems, and bolster means supported by said springs and including a center bolster, the improvement which comprises a first supporting lever pivotally suspended from an end portion of said center bolster, a second lever, a link connecting the upper portion of the second lever to a medial portion of the first lever, a bracket supported by one of the side frame systems, a substantially horizontal supporting rod pivotally connected to the medial portion of the second lever and having an offset portion extending past said first lever and slidably guided by said bracket, braking shoes operatively connected to the rod and second lever, and means for actuating the first lever whereby the brake shoes are applied to a wheel of the truck.

2,271,377
METHOD OF AND APPARATUS FOR TEMPERING GLASS
Georges Monnet, Paris, France, assignor to The American Securit Company, Washington, D. C., a corporation of Delaware
Application July 19, 1938, Serial No. 220,063
In France July 27, 1937
14 Claims. (Cl. 49—45)

1. Apparatus of the type described, comprising a plurality of nozzles having their axes inclined toward each other and their openings adjacent, a chamber associated with each of said nozzles, a valve or key located within each chamber and fixed in dephased relation in respect to each other to control the movement of cooling fluid in each nozzle, means for rotating said valves in synchronism and means for admitting cooling fluid to said chambers and nozzles.

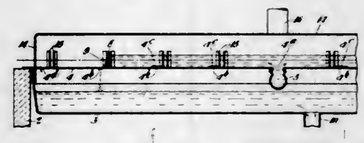


2. The method of tempering glass sheets or other glass articles which consists in combining two or more elementary jets of chilling fluid into a resultant jet directed upon the surface of a glass sheet or article previously heated to approximately its softening point and moving the resultant jet upon the surface of the glass sheet or article by varying the intensity of feed of each constituent jet.

2,271,378
PEST CONTROL
Norman Edward Searle, McDaniel Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1940, Serial No. 319,791. In Germany August 30, 1939
19 Claims. (Cl. 167—22)

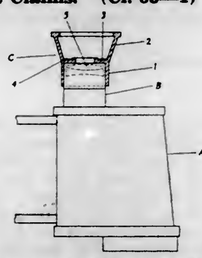
1. A pest control composition useful for controlling economically harmful lower forms of life including bacteria, fungi, and insects, containing as an active ingredient a linear polymeric onium salt in which the multiply recurring linear polymeric unit comprises at least seven chain atoms, two of which are onium atoms of the class consisting of sulfur, nitrogen and phosphorus, separated by organic radicals attached to the onium atoms through carbon, one of the valences on each onium atom being satisfied by a radical being the anion of an acid and the remaining valences of the onium atom being satisfied by organic radicals attached to the onium atom through the carbon, not more than one of the carbons attached to the onium atom being in turn joined to another carbon by a multiple bond.

2,271,379
METHOD OF HEAT TREATING WIRE
John Statz and Joseph H. Swift, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 22, 1938, Serial No. 220,799
1 Claim. (Cl. 148—21)



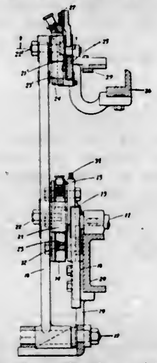
The method of treating wire which comprises heat treating the same, immersing the wire while still in a heated condition in a liquid cooling medium in an inert atmosphere, and maintaining the wire in a straight and substantially horizontal path and in contact only with the liquid cooling medium during the treatment.

2,271,380
EYEPIECE OF OPTICAL INSTRUMENTS
John Martin Strang and Claud Foster, Anniesland, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland
Application March 16, 1940, Serial No. 324,432
In Great Britain March 22, 1939
2 Claims. (Cl. 88—1)



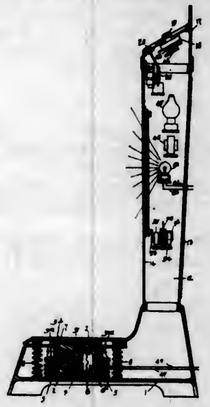
1. An eyecap for optical instruments having an eyepiece tube, said eyecap in the form of a tubular member composed of flexible elastic material, such as rubber, and comprising a cylindrical part for gripping the eyepiece tube, a diverging cup-shaped part co-terminous with said cylindrical part, and an internal annular rib at the junction of the said two parts bearing on the end of the eyepiece tube, the cup-shaped part being foldable on the plane of the annular rib back upon the outside of the cylindrical part, to provide two eyepiece conditions, one with the eyecap extended and projecting beyond the eyepiece tube and the other with the eyecap folded.

2,271,381
STRAIGHT BAR KNITTING MACHINE
George Wilders, Packington Hill, Kegworth, and William Gordon Macdonald, Loughborough, England, assignors to William Cotton Limited, Loughborough, Leicestershire, England
Application May 16, 1941, Serial No. 393,810
In Great Britain November 13, 1939
5 Claims. (Cl. 66—110)



1. In a Cotton's patent or other straight bar knitting machine, Coulier or draw mechanism comprising a draw cam, a member guided for rectilinear movement and thereby, a second reciprocatable member guided for rectilinear movement in a path parallel to that of the first member, a draw lever for transmitting reciprocating movement from the first member to the second, which lever is arranged to oscillate about an axis which is normal to the rectilinear paths of movement of the two said members, and two cross head devices one for connecting each reciprocatable member to the draw lever, and each comprising guide means on one of the two said parts to be connected together, and an element normally occupying a fixed location on the other of the two said parts and reciprocatable along said guide means.

2,271,382
PLATFORM FOOT AND BODY VIBRATOR
Ray W. Worthington, Los Angeles, Calif.
Application May 6, 1939, Serial No. 272,194
1 Claim. (Cl. 128—33)

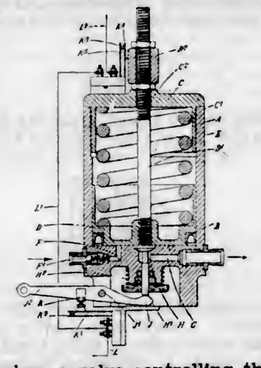


In a platform foot and body vibrator comprising a base, a hollow vibrator coil located in said base, means for holding said vibrator coil in a fixed location, a pair of armatures on either side of said vibrator coil one of which is freely movable, said freely movable armature having a plate extension, core pieces on said armatures inside the said coil, a platform secured to said freely movable armature and forming a top surface on which a person may stand, the other of said armatures being secured to the inside of said base, two sets of coiled compression springs located on the inside of said base and resting on the bottom thereof, the tops of one set of said springs bearing directly on the underside of said platform, and the tops of the other set of springs bearing on the under side of said plate extension on said freely movable armature, said springs being of sufficient resistance to support a person without flexure when standing on said platform, opposed flanges on said armatures outside of said vibratory coil and having buffers between their faces, an electric circuit and a rectifier tube for passing half wave impulses of current through said vibratory coil, and a coin controlled switch for closing said circuit to start the operation of said vibrator.

2,271,383
STARTING MEANS FOR INTERNAL COMBUSTION ENGINES
Charles Horace Lionel Wynne, Henry Christopher Tryon, and Frank Raymond Faber Ramsay, London, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application June 26, 1941, Serial No. 399,914
In Great Britain June 18, 1940
14 Claims. (Cl. 123—187.5)

1. In apparatus for starting an internal combustion engine the combination of a starter of

the non-continuous turning type indicated, a chamber adapted to contain the fuel required for a priming charge for the engine cylinder, means for delivering fuel into this chamber, means for maintaining under pressure the fuel

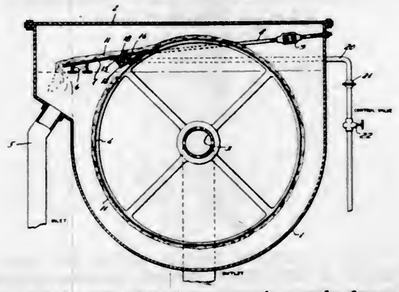


in this chamber, a valve controlling the flow of fuel from this chamber into the engine cylinder, and means for actuating this valve so as to permit such flow and for causing the starter to function as the charge of priming fuel is entering the engine cylinder as set forth.

2,271,384
THREE COMPONENT INTERPOLYMERS
Harold Wilfred Arnold, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1940, Serial No. 327,321
12 Claims. (Cl. 260—84)

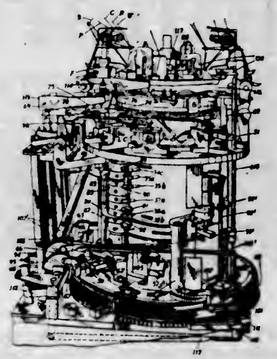
7. A homogeneous emulsion interpolymer of a polymerizable monomeric open-chain aliphatic conjugated diene, a polymerizable monomeric vinyl ester of an alpha, beta saturated aliphatic monocarboxylic acid and a polymerizable monomeric monohydric alcohol ester of an alpha-methylene aliphatic open-chain monocarboxylic acid.

2,271,385
TAKE-OFF SLIDE
Robert B. Best, Great Neck, N. Y.
Application October 16, 1940, Serial No. 361,458
2 Claims. (Cl. 210—201)



1. A take-off slide for removing pulp from the periphery of a rotary drum comprising a plate having a cutting edge disposed close to said periphery, a casing of angular cross-section beneath said plate and having a bottom converging toward the cutting edge and spaced below the same whereby said plate and casing form together a gradually restricted fluid containing chamber having an outlet opening onto said periphery below the cutting edge of the plate for the discharge of fluid under pressure out of the opening beneath the pulp being removed by said cutting edge, and means to introduce fluid under pressure into said chamber.

2,271,386
KNITTING MACHINE
William Edward Booton, John William Kenneth Stretton, and John Howard Booton, Leicester, England, assignors to W. E. Booton Limited, Leicester, England
Application February 11, 1941, Serial No. 378,464
In Great Britain January 13, 1940
14 Claims. (Cl. 66—48)

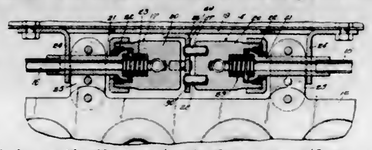


1. In a knitting machine having an instrument bed, a line of individually-movable instruments therein and a row of projections on said instruments, the combination of a control projection at the trailing end of said row but spaced therefrom in the direction of movement of the instruments in the bed, and picker mechanism between which and the bed relative movement along the line of instruments takes place in the operation of the machine, the direction of which movement is along the row of projections towards the trailing end at which the control projection is located, which picker mechanism comprises a body, a member mounted thereon for engagement and displacement by the control projection in said relative movement, a picker mounted on the body for picking movement and having a picking extremity, spaced from said member, for engaging and displacing a projection at the trailing end of the row to a position in front of the control projection, said displaced projection serving in turn as a control projection whereby picking takes place progressively forward from the trailing end of the row, and an operating connection between the member and picker.

2,271,387
SWIVEL JOINT
Carl L. Charles, Winnetka, Ill., assignor, by mesne assignments, to Francis N. Bard, Highland Park, Ill.
Application March 18, 1940, Serial No. 324,689
10 Claims. (Cl. 285—9)

1. Apparatus of the character described, including: a pair of joint elements rotatably sealed together; and restraining means preventing ro-

tation of one of the elements while providing, at



least to a limited extent, for any other movement thereof.

2,271,388
BEDSPRING
Louis I. Cohn, Philadelphia, Pa.
Application September 10, 1940, Serial No. 356,213
2 Claims. (Cl. 5—250)

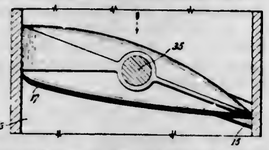


1. A sectional bed spring comprising a central resilient section, a non-resilient head section hingedly secured to one end of said central section, means for adjusting the angular relation of said head section with respect to said central section, a non-resilient foot section hingedly secured to the other end of said central section, and a storage basket, said foot section having a storage compartment therein, and said storage basket being adapted to removably slide within said storage compartment.

2,271,389
TREATED CASEIN AND PROCESS
John F. Corwin and Robert C. White, Bainbridge, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 3, 1940, Serial No. 312,302
4 Claims. (Cl. 106—146)

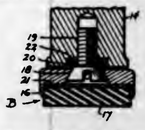
1. A process of producing casein solutions of reduced foaming tendency which comprises applying to solid casein, a small amount of tributyl citrate, the amount of the latter being not substantially above 5%, based on the amount of said casein, and thereafter dissolving the casein in an aqueous solvent.

2,271,390
THROTTLE VALVE FOR CARBURETORS AND OTHER CONDUITS
Edward Dodson, Putney Heath, London, England
Application May 8, 1940, Serial No. 334,077
In Great Britain May 19, 1939
12 Claims. (Cl. 251—11)



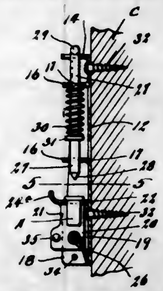
1. A butterfly throttle valve, which is constituted by a disc of approximately elliptical cross section arranged to pivot about a central axis at right angles to the elliptical section and to extend obliquely across a conduit to close it, the elliptical section of the disc being thickened on that side which is to face downstream in service to form a bulge, the edge of which, viewed in section in the closed position of the valve, extends downstream from the point at which the leading edge of the central plane of the disc meets the wall of the conduit in a direction substantially parallel to the direction of flow and then turns inward to merge with the downstream face of the disc, the change of direction occurring at a point somewhat on the upstream side of the pivotal axis of the disc.

2,271,391
VALVE
Lewis Driver Drake, Oakland, Calif.
Application June 3, 1940, Serial No. 338,447
11 Claims. (Cl. 251—46)



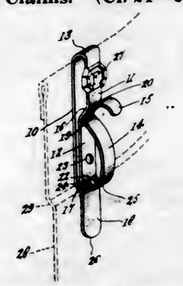
1. In a compression valve structure of the character described, a valve body having a valve seat, a rotatable valve stem, a valve head comprising a member having a peripheral flange projecting from one face to form a recess, a shouldered screw extending through the valve head from the recess and threaded into the stem and forming a swivelled connection between the valve head and the stem and attaching the valve head to the stem, said screw being rigid with the stem and rotatable in fixed relation therewith independently of the valve head, a wear-resisting member seated in the recess and permanently secured therein by the peripheral flange and permanently covering the screw head, and adapted to be carried into contact with the valve seat by the stem, said valve head being provided between the face contacting the stem and the wear-resisting member with means for affording access to the screw for rotating the same after the wear-resisting member has been permanently secured in said recess, whereby the head, the wear-resisting member and the screw may be assembled as a permanent unit before being applied to the stem.

2,271,392
AUTOMATIC BURGLAR ALARM
Albert G. Eckhardt, St. Louis, Mo.
Application June 7, 1940, Serial No. 339,237
2 Claims. (Cl. 116—89)



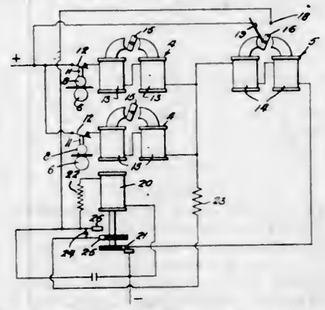
1. In an automatic burglar alarm, the combination of a stationary support channel-shaped in cross section, a pair of spaced-apart lugs extending transversely from the web portion of said support, a pin slidably mounted in said lugs and having its upper end bent at right angle to its axis, a spring for forcing said pin inwardly into firing position, means on the upper end of said support for engaging said bent end and holding said pin in a retracted position, said bent end being operable by the opening of a closure member to release said pin, a cartridge holder of inverted U-shape having its ends pivotally mounted to the side flanges of said support and adapted to hold a cartridge in a firing position for said pin, said holder being manually movable from its vertical position to a horizontally outward position to displace said cartridge from firing position, a spring for yieldably maintaining said holder in firing position, and cooperating means on said flanges and the ends of said holder for frictionally retaining said holder in a cartridge displaced position against the action of said last mentioned spring.

2,271,393
ORNAMENTAL KEY HOLD FOR HANDBAGS
Nell L. Fulton, New York, N. Y.
Application May 27, 1941, Serial No. 395,467
4 Claims. (Cl. 24—3)



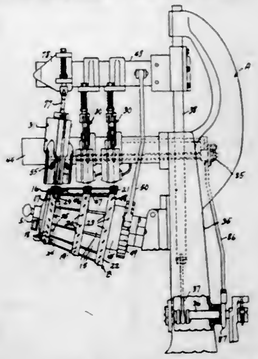
1. An improved key hold for handbags and the like comprising front and rear walls resiliently connected together at their upper ends and open at their lower ends to fit over a support, a key hook on the front wall, and a pilot member on the rear wall extending below the front wall and hook, said pilot member offset forwardly of the rear wall below the base of the hook, and extending from the offset portion substantially below the lowermost closed curved portion of the hook and front wall.

2,271,394
PAPER MONEY COUNTER
Thomas E. Hayes, Washington, D. C., assignor to Allan Lard, Washington, D. C.
Application June 27, 1939, Serial No. 281,455
3 Claims. (Cl. 235—92)



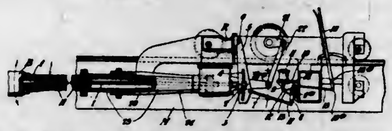
2. In a paper money counting machine of that type comprising a plurality of bill-receiving bins, a solenoid actuated counter individual to each bin, a master counter common to all the bins operating simultaneous with any individual counter, a pair of normally contacting separable feed rolls adjacent each bin, one roll of each pair being driven, switches individual to said bins, in series circuits with the corresponding individual counters and said master counter, each switch being actuated to close a circuit through the corresponding individual counter and said master counter responsive to the separation of the corresponding rolls by the thickness of a bill introduced between said rolls, whereby said counters are set in position to register a count as soon as said counters are de-energized, the combination with the individual and master counter circuits, of means responsive to the movement of the master counter when energized, for de-energizing said counters immediately following their energization, while the switch which closes the counter-energizing circuit is still closed and the corresponding rolls are still separated by a passing bill, whereby the registration of the count both on the corresponding individual counter, and the master counter will have been completed an appreciable time interval before the rolls come together again in readiness for the counting of another bill, said means comprising a relay solenoid and line connection in series therewith and with a normally open switch responsive to movement of said master counter, and closed when said master counter is in potential counting position, an armature for said relay solenoid, and a switch in series in said master counter energizing circuit operated by said armature when the relay solenoid is energized for de-energizing the master counter circuit and the circuit of the individual counter which is in series therewith.

2,271,395
MACHINE FOR AND METHOD OF MAKING RAISED BOTTOM BASKETS
Sylvester H. Hunt, Norfolk, Va., assignor to Farmers Incorporated, Norfolk, Va., a corporation of Virginia
Application August 2, 1940, Serial No. 349,879
12 Claims. (Cl. 1—13.6)



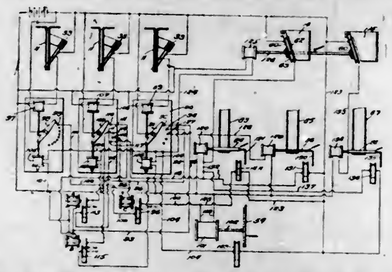
1. In a machine for making a raised bottom basket of the type including side staves, an inside bottom hoop, an outside bottom hoop and a bottom disposed inwardly adjacent the inside bottom hoop, mechanism for supporting the basket materials in position for stapling, a main stapler successively operable to drive a line of spaced staples fastening the hoops and staves, and an auxiliary stapler, operable simultaneously with alternate operations of the main stapler, to drive an adjacent line of spaced staples fastening the staves only, to the bottom.

2,271,396
LOCKING BAR ACTUATING MECHANISM
George H. Jones and Peer D. Nielsen, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application August 3, 1940, Serial No. 350,606
2 Claims. (Cl. 214—26)



1. A charging machine of the character described, having a carriage thereon movable toward and from a furnace to be charged, a ram for handling charging boxes, trunnion means pivotally supporting the ram from said carriage to permit limited angular movement of the ram, a locking rod extending through the ram for securing the box to one end thereof, and means at the opposite end of the ram for actuating the rod including an arm pivotally mounted on the carriage, a slide connection between the arm and rod whereby the ram may be rocked without lifting or lowering said arm, and means mounted on said carriage operatively connected with said arm and effective to rock it to impart movement to said locking rod through said slide connection.

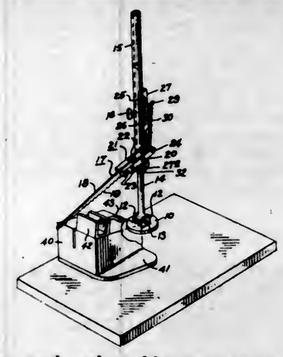
2,271,397
COIN-CONTROLLED CHANGE-MAKING VENDING APPARATUS
Howard N. McDermott, Hendersonville, N. C., assignor of twenty-five per cent to Jerome B. Sellers, twenty-five per cent to Carl C. Banks, and fifty per cent to Lucy S. McDermott, all of Hendersonville, N. C.
Application July 29, 1941, Serial No. 404,550
11 Claims. (Cl. 194—10)



9. Coin-controlled vendor actuating and change-making apparatus comprising a change pay-off device including an operating solenoid therefor, a coin actuated switch in circuit with said solenoid, a vendor operating member including an operating solenoid, a switch in circuit with said last named solenoid and operated by said pay-off device, when actuated, for energizing said last named solenoid thereby actuating said vendor operating member.

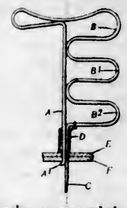
2,271,398
SAWING DEVICE
José Ochoa, San Francisco, Calif.
Application June 14, 1941, Serial No. 398,079
8 Claims. (Cl. 143—64)

1. A sawing device comprising a base, a standard pivotally mounted at one end on the base so that its free end may swing in an arc, said standard having spaced stop members intermediate its ends, a saw blade pivotally mounted at its handle end to the standard and having a portion extending therebeyond, a slide block adapted for



selectively and releasably engaging the stop members, and a spring member connected to the extended end portion of the handle end of the saw and to the slide block.

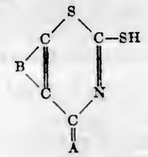
2,271,399
LOCATING PIN
Fred Albert Oddie, Southampton, England, assignor to Oddie Lock Nuts Limited, Southampton, England, a company of Great Britain
Application February 13, 1941, Serial No. 378,837
In Great Britain January 16, 1940
9 Claims. (Cl. 85—5)



1. A locating pin comprising a single length of spring wire bent to form a loop so as to serve as a handle and provided with straight end portions with adjacent flat inner surfaces in contact with one another and adapted to slide relatively to one another in a longitudinal direction when the loop is compressed, one of the straight portions having an upturned end to form a hook adapted to engage the under face of the work, the other straight portion terminating in a point, and a relatively thin wire coil of sufficiently large diameter for the hooked end to slide within it surrounding the straight portions of the pin and forming a stop which directly engages the upper face of the work and limits the downward movement of the pin.

2,271,400
MERCAPTOTHIAZINE SPIRO COMPOUNDS AND PROCESS OF MAKING SAME
Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 16, 1940, Serial No. 352,981
13 Claims. (Cl. 260—243)

9. A condensation product of ammonia, carbon disulfide, and a member of the class consisting of alicyclic ketones of at least five ring atoms having at least one ring carbon alpha to the carbonyl carbon linked to two hydrogen atoms and aldol-type self-condensation products of said ketone in the proportion of at least one-half mole ammonia and at least one-half mole of carbon disulfide per mole of ketone, said product having the probable formula



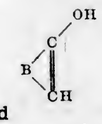
wherein



is the residue



of the enol form

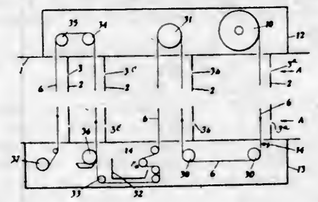


of said ketone, and



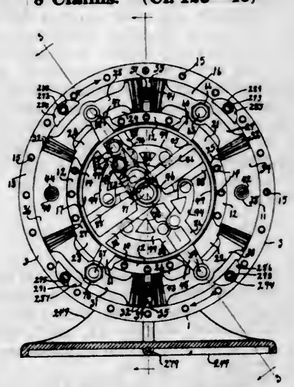
is the non-oxo residue of the keto form of said ketone.

2,271,401
APPARATUS FOR FILTERING OR CLEANING AIR OR OTHER GASES
Christopher Lawrence Sainty, London, England, assignor to Carrier Engineering Company Limited, London, England, a company of Great Britain
Application October 25, 1940, Serial No. 362,855
In Great Britain January 7, 1939
5 Claims. (Cl. 183—75)



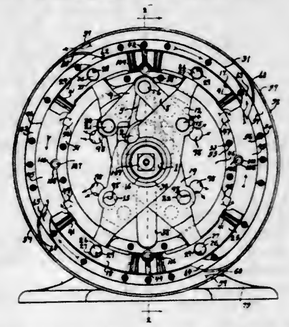
1. A filtering duct, a plurality of apertured partitions mounted transverse the duct, the apertures in the partitions providing jets to form rows of high speed streams of gas to be treated, and a baffle formation including a plurality of baffle members arranged in rear of each partition in the direction of gas flow, said baffle members comprising filtering surfaces provided to retain particles extracted from the gas flow, the filtering surfaces of successive baffle formations serving to retain particles of increasing fineness respectively, the apertures in the successive partitions in the direction of gas flow being of relatively increased restriction.

2,271,402
ROTARY INTERNAL COMBUSTION ENGINE
Ernest J. Serpas, New Orleans, La., assignor of two-fifths to J. S. Waterman, New Orleans, La.
Application November 16, 1936, Serial No. 111,091
Renewed October 7, 1939
8 Claims. (Cl. 123—43)



1. A rotary internal combustion engine comprising a base, a crankshaft fixed at one end to said base, a casing rotatably mounted on said crankshaft, crosshead guide means extending radially from the axis of and fixed to said casing, an annular chamber in said casing provided with circumferentially spaced apart combined intake and exhaust ports, a plurality of pairs of pistons in said annular chamber, piston carrying members rotatably mounted on said crankshaft coupled to and carrying said pistons in pairs, toggle joint means connected to and coupling together in pairs said piston carrying members, a connecting rod connected to the crankpin part of said crankshaft and to the knee-joint of said toggle joint means, and a crosshead pin connected in the knee part of said toggle joint means the head part of said connecting rod and slidably engaged to said crosshead guide means.

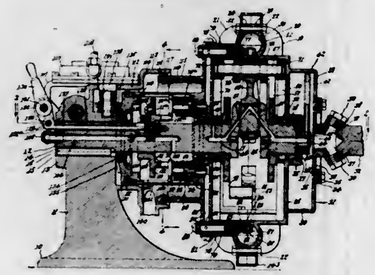
2,271,403
ROTARY LIQUID FUEL INJECTING INTERNAL COMBUSTION ENGINE
Ernest J. Serpas, New Orleans, La., assignor of two-fifths to J. S. Waterman, New Orleans, La.
Application August 27, 1937, Serial No. 161,190
3 Claims. (Cl. 123—43)



1. In a rotary internal combustion engine, the combination of engine transmission comprising a base, a crankshaft fixed to said base, a casing rotatably engaging said crankshaft on opposite

sides of the offset portion thereof, an annular chamber in said casing, said casing having openings communicating said chamber with the interior of said casing, opposed pairs of arcuate pistons slidable in said chamber, a pair of diametrically disposed piston carrying members disposed one on each side of the offset portion of said crankshaft, a sleeve carried by the central portion of each member rotatably engaging said shaft, an inwardly offset L-shaped part integral with the ends of said members and fixed to said pistons through said openings, a connecting rod rotatably engaging at one end on said crankshaft, and a pair of toggle links rotatably connected at one end to the opposite end of said connecting rod and at the opposite end rotatably connected to a member inwardly of said L-shaped part.

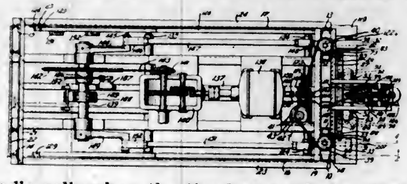
2,271,404
ROTARY INTERNAL COMBUSTION ENGINE
Ernest J. Serpas, New Orleans, La., assignor of two-fifths to J. S. Waterman, New Orleans, La.
Original application August 27, 1937, Serial No. 161,190. Divided and this application March 27, 1940, Serial No. 326,293
5 Claims. (Cl. 123—43)



1. In a rotary internal combustion engine including a stationary crank shaft, a rotatable cylinder housing, pistons slidable in said housing, and means connecting said pistons with said crank shaft and said housing; fuel injection means for said housing comprising a plurality of circumferentially spaced apart spring-pressed plungers carried by said housing, a plate slidable on said crank shaft, said plate having a recess communicating with the bore thereof, cam lobes carried by the side of said plate confronting said plungers, said crank shaft having a recess communicating with the recess of said plate, a plate operating rod slidable interiorly of said crank shaft, a key member carried by said rod engageable in the recess of said plate whereby to adjust said plate longitudinally of said crank shaft upon longitudinal adjustment of said key member, and an operating member for said rod.

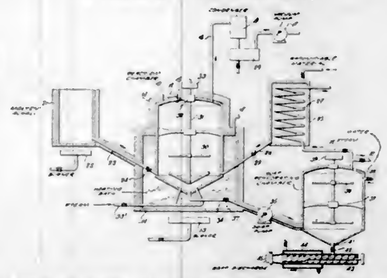
2,271,405
REMOVING CURING BAGS
Walter J. Strong, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 3, 1939, Serial No. 259,624
16 Claims. (Cl. 18—2)

7. Apparatus for removing a curing bag from a tire casing, said apparatus comprising a set of cradle rolls for receiving the tire casing, means for driving the cradle rolls to rotate the casing to pulling position, and means operated by rotation of the casing for automatically stopping the



cradle rolls when the tire has reached a desired position.

2,271,406
PROCESS OF MAKING SOAP
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application March 5, 1938, Serial No. 194,225
4 Claims. (Cl. 260—417)



1. The process of producing soap, which comprises, forming a body of molten substantially anhydrous alkali in a closed chamber out of contact with the atmosphere and gradually introducing saponifiable materials into said body of molten alkali until molten substantially anhydrous neutral soap is formed, and cooling the resulting soap before contacting the same with the atmosphere.

2,271,407
SOAP PRODUCT AND METHOD OF MAKING THE SAME
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application August 15, 1938, Serial No. 225,063
10 Claims. (Cl. 252—368)

1. As a product of manufacture, a composition of matter which comprises, alkali metal soap, a substantial amount of gums recovered from crude vegetable oils, and a substantial amount of at least one alkali metal compound having an alkaline reaction in addition to any alkali present in said gums when recovered from said crude oil, said composition being stable against fermentation.

2,271,408
SOAP PRODUCT
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application December 19, 1938, Serial No. 246,726
7 Claims. (Cl. 252—122)

1. As a product of manufacture, a composition of matter which comprises, alkali metal soap, a substantial amount of gums recovered from crude vegetable oils, a substantial amount of at least one alkali metal compound having an alkaline reaction in addition to any alkali present in said gums when recovered from said crude oil, and an organic soap solvent miscible with water, said composition being stable against fermentation.

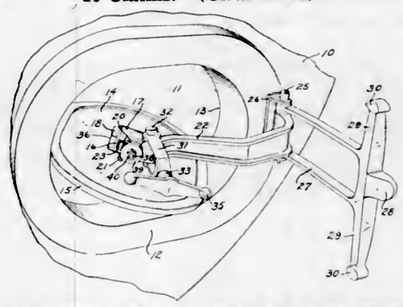
2,271,409
PHOSPHATIDIC COMPOSITION
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application December 29, 1939, Serial No. 311,705
16 Claims. (Cl. 260—403)

1. As a product of manufacture, an alkali metal phosphate-phosphatidic composition having high stability and a pH when dispersed in water not substantially greater than 7.8, said compound resulting from reacting a phosphatide with a mixture of alkali metal phosphates, said mixture having substantially less than three alkali metal atoms for each phosphate group.

2,271,410
PHOSPHATIDIC COMPOSITION
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application December 29, 1939, Serial No. 311,707
13 Claims. (Cl. 260—403)

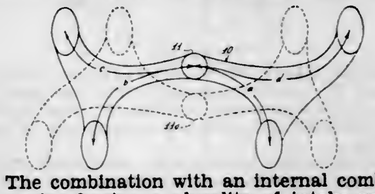
1. As a product of manufacture, a composition of matter comprising a compound formed by reacting a phosphatide and a solution of an aliphatic hydroxy acid.

2,271,411
TANK CLOSURE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 19, 1939, Serial No. 290,996
10 Claims. (Cl. 220—37)



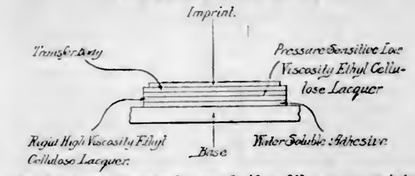
10. In combination, a tank having an elliptical opening, an elliptical cover for said opening coacting with the interior of said tank, a suspension arm for said cover pivotally attached to the exterior of said tank and having its swinging end extended into said opening and disposed near said cover, a pivot pin journalled in said arm end and extending toward said cover, a transverse pivot connecting the inner end of said pin with said cover, said cover being swingable relative to said pin about said transverse pivot and also being swingable relative to said suspension arm about the axis of said pin, a clamping arm mounted to swing on the axis of swing of said suspension arm and having its free end engageable with portions of the tank, a yoke pivotally suspended from the swinging end of one of said arms and cooperating with the swinging end of the other arm, and adjustable means coacting directly with said yoke and with said other arm to clamp said cover against the interior of said tank.

2,271,412
INTERNAL COMBUSTION ENGINE
Carl Voorhies, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1940, Serial No. 325,288
5 Claims. (Cl. 123—90)



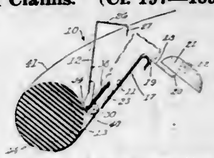
1. The combination with an internal combustion engine having a plurality of intake valves arranged at unlike distances from a central source of carbureted fuel mixture, of an actuating camshaft therefor so constructed as to effect a valve open event for each valve proportionate to the distances from said fuel source.

2,271,413
DECALCOMANIA AND THE LIKE
Jack Braverman, Chicago, Ill., assignor to American Decalcomania Company, Inc., Chicago, Ill., a corporation of Illinois
Application April 15, 1940, Serial No. 329,799
12 Claims. (Cl. 41—33)



2. A decalcomania and the like comprising a base, a water-soluble adhesive thereon, an isolating layer of lacquer upon said water-soluble adhesive, a pressure-sensitive lacquer upon said isolating layer, said layer preventing said pressure-sensitive material from penetrating said water-soluble adhesive, and a transfer body upon said pressure-sensitive lacquer.

2,271,414
WARNING DEVICE FOR TYPEWRITERS
Albert Rene Brun, Caracas, Venezuela
Application June 15, 1940, Serial No. 340,810
11 Claims. (Cl. 197—189)



1. A signal device for typewriters comprising a base adapted to be supported upon the type-

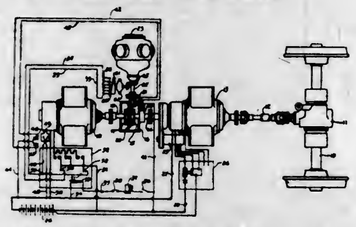
writer, a sounding medium carried by the base, a paper engaging lever movably mounted on the base and adapted to contact and be maintained in a predetermined position by the sheet of paper being typed, a striker arm movably mounted on said base, and interengaging means on said lever and arm for holding said arm in striking position relative to the sounding medium when the lever is in contact with the paper, said lever when released by the paper being movable on the base to permit movement of said striker arm to strike the sounding medium and signal that the end of the sheet of paper is being reached, said striker arm being movable on said base to an inoperative position, the movement of said striker arm also effecting movement of said lever to an inoperative position to permit insertion of another sheet of paper in the typewriter.

2,271,415

REFRIGERATING MEANS FOR VEHICLES

Frank B. Conlon, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 2, 1937, Serial No. 177,685
6 Claims. (Cl. 62—3)



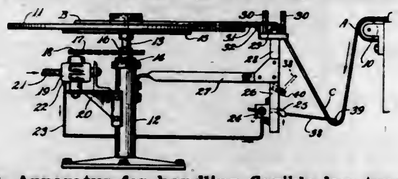
5. The improvement in the art of air conditioning comprising the combination of a railway vehicle, and a refrigerating system carried thereby, said system including a mechanical compressor carried by the vehicle, a first compressor driving mechanism including an axle of the vehicle, a second compressor driving mechanism including an electromotive device having an armature shaft, a battery carried by the vehicle and a circuit connecting said battery and said electromotive device for driving said armature shaft, a differential mechanism connected to said axle and to said armature shaft, and a power shaft driven by said differential mechanism and connected to said compressor.

2,271,416

APPARATUS FOR HANDLING STRIP MATERIAL

Edward A. Davis, Akron, and John F. Morse, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 3, 1939, Serial No. 259,692
4 Claims. (Cl. 242—45)



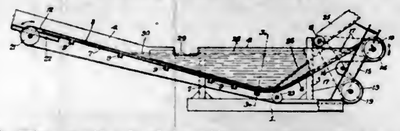
2. Apparatus for handling flexible low tensile strength strip material, said apparatus comprising feeding means and winding means for progressively delivering the strip material free from tension, said winding means comprising a rotatable support and fluid pressure means having an outlet and being sensitive to back pressure for rotating the same, means associated with said outlet for controlling the back pressure, said last mentioned means including means for contacting a free reach of the strip material between the feeding means and the winding means for varying the back pressure in accordance with the position of said reach to regulate automatically the speed of the winding means.

2,271,417

DEWATERING AND CLASSIFYING CONVEYER

Raymond W. Dull, La Grange, Ill.

Application February 10, 1940, Serial No. 318,313
13 Claims. (Cl. 209—463)



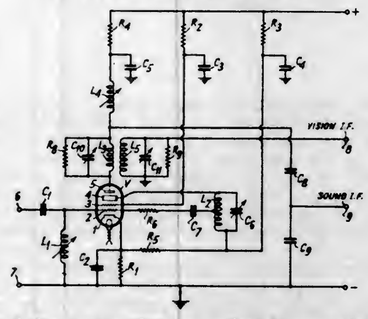
1. The method of treating comminuted solids which consists in depositing them in a liquid containing feed zone, controllably discharging them therefrom into a liquid containing classification zone, there subjecting them to the classifying effect of an upwardly traveling liquid stream, discharging said stream with entrained solids from the system, distributing the solids not entrained by the stream in a relatively thin, narrow sheet and conveying such sheet upwardly along a gradually inclined path emerging from and extending above the liquid level of the classification zone, the velocity of travel being such that agitation of the liquid is substantially prevented, the path extending upwardly above the liquid level for a distance sufficient to permit entrained liquid to flow out of and escape from the sheet of solids and then discharging the de-watered solids continuously from the system.

2,271,418

FREQUENCY-CHANGING CIRCUIT

Charles Cecil Eaglesfield, Surrey, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 13, 1939, Serial No. 278,814
In Great Britain October 26, 1938
3 Claims. (Cl. 178—5.8)



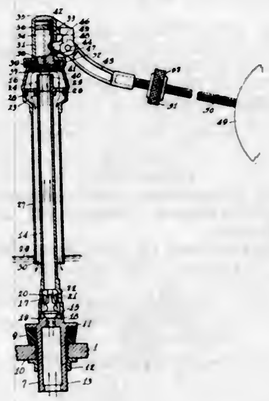
1. A frequency changer network comprising an electron discharge tube having at least a primary cathode, a signal input electrode, an auxiliary cathode and an anode, a signal input circuit connected between the input electrode and the primary cathode, a local oscillation circuit resonant to a frequency different from the signal input circuit connected between the auxiliary cathode and the primary cathode, a path including an impedance connected between the input electrode and a tap on the inductance of the oscillation circuit, and an impedance included in the anode circuit from across which the intermediate frequency is derived.

2,271,419

VALVE CONSTRUCTION

John J. Egan, San Francisco, Calif., assignor of one-half to Earl M. Robitscher, San Francisco, Calif.

Application July 24, 1939, Serial No. 286,164
1 Claim. (Cl. 137—104)



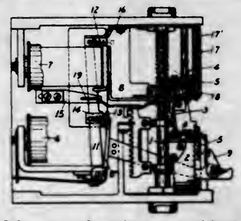
In a valve construction, an inlet tube adapted for connection to a source of liquid under pressure, a discharge tube surrounding the same in concentric relation, a riser secured to the upper end of the inlet tube and having an end forming a valve seat, a bowl-shaped member formed integral with the riser and surrounding the same to form a closed chamber therewith, a flange connecting the riser and the bowl and having outlet apertures for guiding liquid discharge through the riser into the discharge tube, the discharge tube being suspended from the bowl-shaped member, a bonnet secured to the upper end of the bowl-shaped member and having a cylindrical section alined with the intake pipe and having an aperture therein, a plunger movable in the said section and having a valve at its lower end to cooperate with the valve seat in closing the inlet pipe and having a recess therein opposite the aperture in the bonnet, the plunger having an axial perforation to allow liquid under pressure to bear on the end opposite the valve seat, a bracket projecting from the bonnet, a lever arm pivoted to the bracket and having an end extending through the aperture in the bonnet and engaging into the recess for operating the plunger, and a float at the other end of the lever arm, the plunger forming a closure for the aperture in the bonnet against liquid entering through the riser.

2,271,420

SWITCH MECHANISM

Artur Flad, Berlin, and Ernst Schimann, Berlin-Spandau, Germany, assignors to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany

Application September 15, 1938, Serial No. 230,010
In Germany September 23, 1937
10 Claims. (Cl. 179—27.52)



1. A switching mechanism provided with wipers adapted to engage both sides of successive contacts in an associated contact bank, stepping means, means for automatically operating said stepping means to drive said wipers past said successive contacts of said bank, means controlled by the operation of said stepping means for holding said wipers out of engagement with said successive contacts during said driving period, and means automatically effective responsive to the termination of the operation of said stepping means for permitting said wipers to simultaneously engage both sides of a bank contact opposite which the wipers are standing when the stepping means ceases its operation.

2,271,421

FLASHLIGHT

Joseph A. Gits, Chicago, Ill., assignor to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois

Application January 29, 1940, Serial No. 316,122
7 Claims. (Cl. 240—10.66)



1. A flashlight comprising a shell of insulation material, a lens carrying cap at one end, an assembly comprising a reflector, bulb and socket also carried by said cap, a coil spring mounted within said shell at its opposite end, the space between said socket and said spring adapted to receive batteries or the like therein, and an elongated bar riding over and upon said coil spring in contactual engagement therewith and being movable forwardly without breaking said contactual engagement whereby to make electrical contactual engagement at its opposite end with said reflector, and means accessible exteriorly of said shell and connected to said bar for actuating the same.

2,271,422

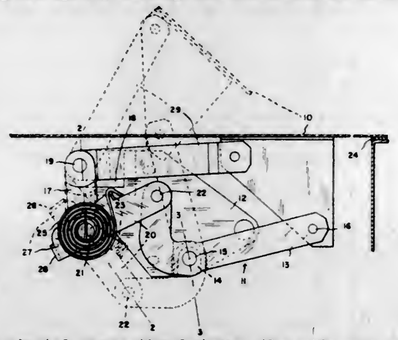
HINGE ASSEMBLY

Floyd G. Gould, Detroit, Mich., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application May 26, 1941, Serial No. 395,299
5 Claims. (Cl. 16—163)

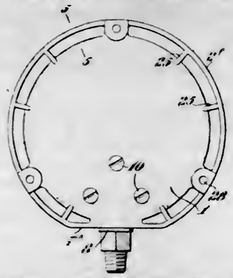
1. A hinge for pivotally connecting a movable part to a fixed part in a manner to swing the

movable part longitudinally and upwardly relative to the fixed part, said hinge comprising a link having one end pivoted to the movable part and having a portion intermediate the ends pivoted to the fixed part, a pair of links having the adjacent ends pivotally connected together and having the outer ends respectively pivoted to the other end of the first link and to the fixed part, a spiral spring having the inner end secured to



the pivotal connection between the adjacent ends of said pair of links and having the outer end engaging one of the links of said pair, said spring and links being so arranged that lowering the movable part relative to the fixed part winds the spring so that the latter assists movement of the movable part to its raised position, and a link having the opposite ends respectively pivoted to the fixed and movable parts to control the movement of the latter part relative to the fixed part.

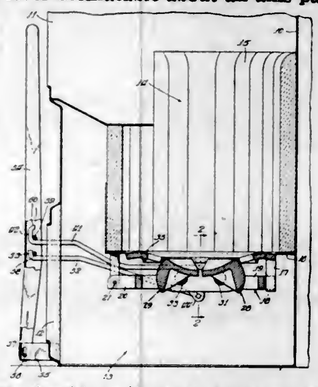
2,271,423
DIAL INSTRUMENT CASE
Carl H. Graesser, Bridgeport, and Frank H. Hopkins, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 14, 1940, Serial No. 352,538
5 Claims. (Cl. 73—151)



1. A moulded, non-metallic, flangeless instrument case having a truncated-conical, forwardly tapering and smooth external contour, the rear part at least of the side wall of the case comprising spaced concentric portions united at intervals by integral webs.

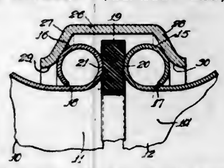
2,271,424
FURNACE
Cleo Harris, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 19, 1938, Serial No. 241,403
2 Claims. (Cl. 126—162)

1. A dump for a grate comprising a plurality of grate portions oscillatable about parallel horizontal axes, cranks at one end of said portions, a link connecting said cranks for simultaneous oscillation, a lever oscillatable about an axis parallel to



the axes of said portions, and means selectively connectable to said lever and non-releasably connected to one of said cranks whereby oscillation of said lever will effect an oscillation of said portions to dump the grate.

2,271,425
COUPLING
Cleo Harris, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1940, Serial No. 318,209
2 Claims. (Cl. 285—129)

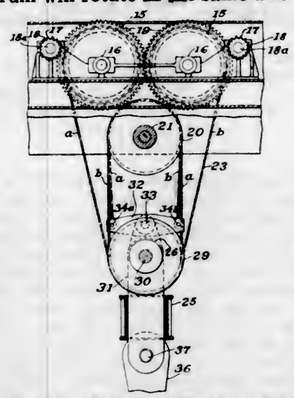


1. A coupling for fluid containers comprising opposed flanges on the containers, a clamping ring bridging said flanges, depending flanges on said ring cooperating with the opposed flanges on the containers, and a compressible gasket between the opposed flanges, the flanges on the containers comprising outwardly curled closed loops such that radially inward eccentric pressure on the loops will tend to move the loops axially, and the flanges on the ring being substantially conical, and means for clamping the ring upon the loops to exert such inward eccentric pressure upon the loops whereby to cause the loops to exert a compressive force upon the gasket to form a fluid-tight seal.

2,271,426
HOIST CRANE CONSTRUCTION
Robert J. Harry, Alliance, Ohio
Application January 12, 1939, Serial No. 250,576
11 Claims. (Cl. 254—188)

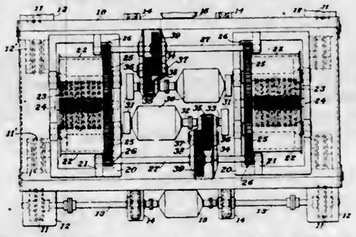
11. In a hoisting apparatus having a frame, a pair of hoisting drums, each drum having a gear, said drums being operably intermeshed through said gears and having a portion of their axes in a side-by-side relationship, said drums being operably mounted on said frame adjacent a side thereof, a sheave means associated with each of said drums, both said sheave means having a

portion of their axes extending in substantially the same direction as the above-mentioned portion of the drum axes, means reeving each drum with its associated sheave means off non-opposed outside portions of each of said drums in such a manner that each sheave means and its associated drum will rotate in the same direction with



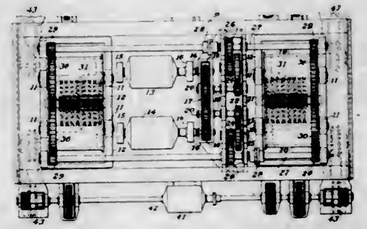
respect to each other and in an opposite direction with respect to the other drum and its associated sheave means, a lifting member, and means operably connecting both of said sheave means to said lifting member adjacent one and the same side of the frame, wherein each said sheave means comprises a pair of spaced sheaves.

2,271,427
HOIST CRANE CONSTRUCTION
Robert J. Harry, Alliance, Ohio
Application January 12, 1939, Serial No. 250,577
8 Claims. (Cl. 254—184)



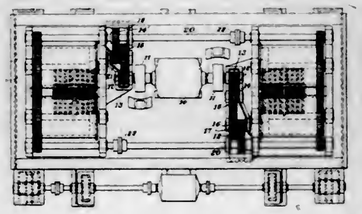
5. In a hoisting crane, spaced-apart pairs of hoisting drums, each drum having a gear secured thereto, the drums of each drum pair being operably intermeshed through said gears and having a portion of their axes in a side-by-side relationship, a pair of actuating motors for said drums, said motors being positioned between said pairs of hoisting drums adjacent end portions of said drums, each motor having a rotating axis extending substantially in the same direction as the above-mentioned portion of the axes of said drums and being in a substantially parallel relationship with the rotating axis of the other of said motors, members extending across the spacing between said drum pairs and operably connecting opposite drums of each pair together, and intermeshing gear means operably connecting one motor to one of said members and operably connecting the other motor to the other of said members, said connections being independent of each other and having means for permitting relative movement in one direction between at least one of said motors and said members.

2,271,428
HOIST CRANE CONSTRUCTION
Robert J. Harry, Alliance, Ohio
Application January 12, 1939, Serial No. 250,578
15 Claims. (Cl. 254—184)



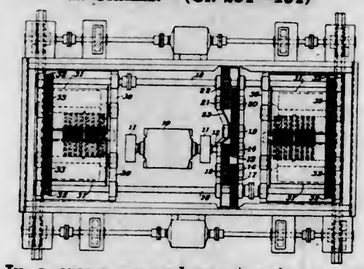
11. In a crane, spaced-apart pairs of hoisting drums, each drum having a gear secured thereto, the drums of each drum pair being operably intermeshed through said gears and having a portion of their axes in a side-by-side relationship, a pair of actuating motors for said drums positioned substantially endwise of end portions of said drums and between drum pairs, each of said motors having a rotating shaft, a pair of secondary shafts, gears on said secondary shafts operably connecting said shafts to each of said motor shafts, additional gearing on one of said secondary shafts operably connecting it to a pair of opposite drums of said drum pairs, and additional gearing on the other of said secondary shafts operably connecting it to the other pair of opposite drums of said drum pairs, so that said drum pairs will be driven by said motors in synchronism.

2,271,429
HOIST CRANE CONSTRUCTION
Robert J. Harry, Alliance, Ohio
Application January 12, 1939, Serial No. 250,579
15 Claims. (Cl. 254—184)



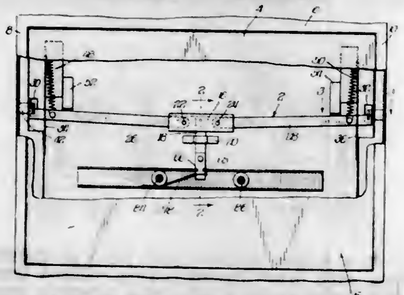
6. In a crane, spaced-apart pairs of hoisting drums, each drum having a gear secured thereto, the drums of each pair being operably intermeshed through said gears and having a portion of their axes in a side-by-side relationship, an actuating motor for said drums, said motor having a drive member, a pair of actuating members extending in substantially the same direction as said drive member, gearing operably connecting said actuating members to opposite end portions of said drive member, gearing operably connecting one of said actuating members to a pair of opposite drums of said drum pairs, and gearing operably connecting the other of said actuating members to the other pair of opposite drums of said drum pairs, so that said spaced-apart drum pairs will be driven in a definite synchronized relationship with respect to each other by said motor.

2,271,430
HOIST CRANE CONSTRUCTION
Robert J. Harry, Alliance, Ohio
Application January 12, 1939, Serial No. 250,580
12 Claims. (Cl. 254—184)



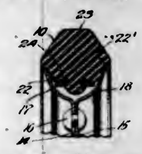
6. In a crane, spaced-apart pairs of hoisting drums, each drum having a gear secured thereto, the drums of each drum pair being operably intermeshed through said gears and having a portion of their axes in a side-by-side relationship, an actuating motor for said drums positioned in the spacing between said drum pairs adjacent end portions of said drums and having a rotating axis extending substantially in the same direction as the above-mentioned portion of the axes of said drums, and means operably connecting said motor to each drum of each drum pair, said means being independent of the intermeshed relationship between said drum pairs and including means for operably and separately connecting each drum of each pair to a separate drum of the other pair.

2,271,431
LATCHING MECHANISM FOR CABINET DRAWERS AND THE LIKE
Elmer R. Houston, Riverside, Ill., and Joseph F. Dachlet and Joseph Leo Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill., a corporation of Delaware
Application October 9, 1939, Serial No. 298,606
13 Claims. (Cl. 45—94)



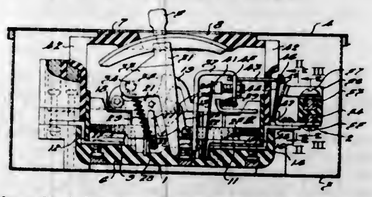
1. In a filing device, the combination of side walls provided with latch means, a file support operably mounted in said device between said sides and having a front, latch means mounted on said front releasably engageable with the latch means of said side walls, said last-named latch means comprising an operating head, latch levers pivotally connected to said head and being engageable with the said latch means of said side walls, said latch levers having abutting relation with said head in spaced relation to said pivotal connections whereby operative movements of said head are transferred thereto, means for releasably holding said latch levers in abutting relation with said head, and operating means for said head.

2,271,432
TIRE AND WHEEL STRUCTURE
Raymond J. Hull, Akron, and William F. Billingsley, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 30, 1939, Serial No. 297,286
1 Claim. (Cl. 152—388)



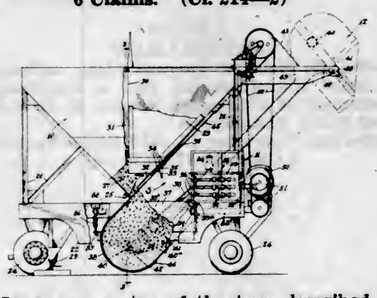
A wheel and tire assembly comprising a channel rim and an endless annular tire seated thereon, said rim comprising axially spaced rim members having walls diverging radially outward and terminating in annular outwardly facing shoulders, means for clamping said members together with their diverging walls spaced apart to define an outwardly facing channel therebetween, said tire comprising a body of resilient material having a wide tread portion extending radially beyond the rim members and a narrower retaining portion extending into said channel, and a non-stretchable retaining band of less outer circumference than the shoulders of the rim members and narrower than the channel therebetween and at least partially embedded in and intimately secured to the material of said retaining portion, said tire having inwardly facing shoulders at its sides between said tread and retaining portions of less circumference than the shoulders of said rim members and stretched thereover, and the retaining portion of said tire radially inward of said retaining band being of greater circumference than the portions of the rim members radially adjacent thereto and being out of contact with the rim members.

2,271,433
MOTOR PROTECTIVE CIRCUIT BREAKER
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 9, 1940, Serial No. 323,063
8 Claims. (Cl. 200—122)



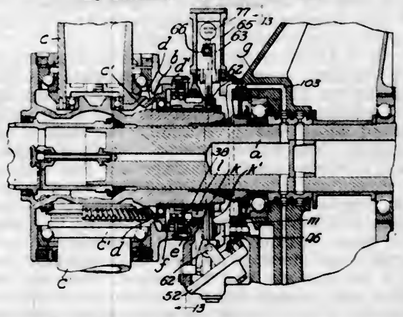
4. An electric circuit breaker apparatus comprising a sealably enclosed electric circuit breaker mechanism having current responsive means for effecting automatic operation thereof upon the occurrence of a current overload of predetermined magnitude and duration, a second current responsive means disposed at the exterior of the enclosed circuit breaker mechanism so as to be readily accessible and comprising a bimetallic element and heater therefor connected in series circuit with the circuit breaker contacts, and means connecting said bimetallic element to said circuit breaker mechanism to effect operation of said circuit breaker mechanism to break the circuit when the current through said heater constitutes an overload of a different predetermined magnitude or duration, said connecting means precluding interference with the operation of said circuit breaker mechanism in response to the action of said first current responsive means.

2,271,434
PORTABLE MATERIAL HANDLING APPARATUS
Charles S. Johnson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois
Application March 2, 1939, Serial No. 259,391
6 Claims. (Cl. 214—2)



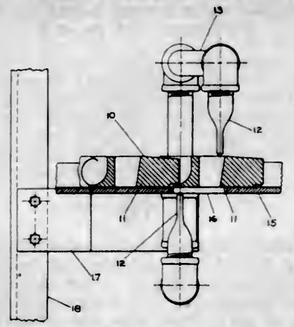
1. In an apparatus of the type described the combination of a wheeled vehicle, a bin structure mounted on said vehicle and having a generally inverted pyramidal bottom wall with an outlet in the apex for gravity discharge of its contents, said apex of the bottom wall being located close to ground level, an upwardly inclined trackway also carried by said vehicle and leading from said apex along said inclined bottom wall to an elevated upper point, a batch container supported for movement along said trackway from a loading position beneath said outlet to a discharge position at said upper point, the lower portion of said trackway beneath said outlet being structurally separate from the remainder thereof, and weighing means carried by said vehicle for supporting said lower portion of the trackway to weigh the container contents when the container is in loading position.

2,271,435
CONTROLLABLE PITCH PROPELLER
Glen T. Lampton, Williamsport, Pa., assignor to Aviation Manufacturing Corporation, New York, N. Y.
Application January 26, 1939, Serial No. 252,877
In Great Britain January 27, 1938
10 Claims. (Cl. 170—163)



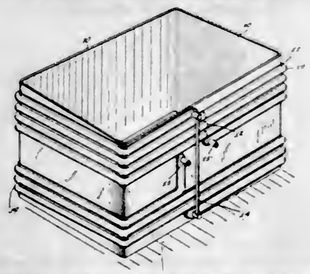
1. In a controllable pitch propeller, the combination with an engine-driven shaft, of variable pitch blades, mechanism for rotating the blades for pitch variation comprising a friction driving element fixed to rotate with said shaft, a friction driven element rotatable on said shaft, variable means for operating the driven element from the driving element for rotating the blades for increasing and decreasing the pitch at a relatively low speed, and a brake engageable with both of said elements for actuating the driven element to shift the blades to feathered position at a higher speed than the driven element is driven by the variable operating means and to retard the driving element.

2,271,436
CHAIN CLEANING APPARATUS
Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1940. Serial No. 329,279
5 Claims. (Cl. 198—229)



1. In apparatus of the character set forth, a conveyor track, a conveyor carried by said track and guided thereon, a plurality of nozzles located in close proximity to the chain and adapted to deliver a cleaning fluid against the chain, said nozzles being located on opposite sides of the chain and offset longitudinally with respect to each other, said track having an opening therein in registry with said nozzles to permit free travel of the cleaning fluid through the chain.

2,271,437
METHOD OF MAKING HEAT EXCHANGERS
Bennett Lewis, Indianapolis, Ind.
Application January 26, 1939, Serial No. 252,862
7 Claims. (Cl. 113—118)



1. A process of making a heat-exchanger, comprising forming a plate of flexible material to provide a series of parallel ribs separated by open-topped channels, covering the open tops of said channels with a second plate engaging said ribs while leaving openings at the ends of said chan-

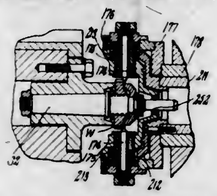
nels, securing said second plate to said ribs, immersing the assembly in a bath of liquid sealing material with some of said openings at the bottom of the assembly and others at the top and with the channels extending generally vertically between the upper and lower openings whereby the liquid sealing material may enter the lower openings and fill the channels while air escapes from the upper openings, removing the assembly from the bath to drain any excess sealing material from the channels through the lower openings while air enters the upper openings, and subsequently closing said openings to leave said channels connected in series to form a continuous fluid passage.

2,271,438

GEAR CUTTING AND FINISHING MACHINE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application April 9, 1938, Serial No. 201,142
8 Claims. (Cl. 90—1.4)



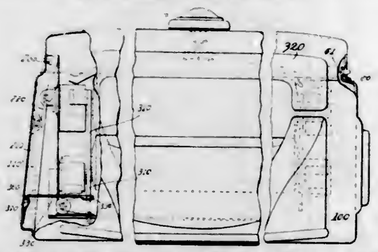
2. A gear tooth rounding mechanism comprising a gear holder adapted to secure a gear in a prescribed location, a cutter carrier movable axially of the gear so held toward and away from the end of such gear, and also rotatable about the axis of the gear, a milling cutter supported on said cutter carrier in position to engage the nearer end of a gear tooth when the carrier is so advanced, mechanism for advancing and retracting the cutter carrier repeatedly, and means for simultaneously rotating the carrier, whereby the cutter is caused to enter and withdraw from a plurality of tooth spaces of the gear in succession and cut off the corners of the teeth in so moving.

2,271,439

WRINGER

Robert I. Miner, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application January 23, 1936, Serial No. 60,409
3 Claims. (Cl. 68—263)



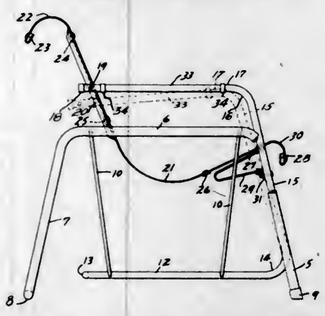
1. A wringer, comprising a base having end uprights provided on their inner faces with bearing-receiving vertical channels open at their upper ends and the outer face of one of said uprights vertically slotted with a slot having an open upper end, a bridge-bar extending between and telescopically associated with the upper ends of said uprights, a lever pivoted at one end to one end of said bridge-bar and nestible in the slot in the outer face of the slotted upright, a link pivoted in said slotted upright and pivotally connected with said lever to form a toggle nested in said outer upright slot, said link and the upper part of said lever forming said toggle, the middle pivot of which may be swung to and from a position below the base-anchored end of the link, and a separable, interlockable connection between the other end of the bridge-bar and the other upright of the base.

2,271,440

GLIDER CHAIR

Charles W. Nelems, Tarrant, Ala., assignor to Nelems Manufacturing Co., a copartnership composed of Charles W. Nelems, H. B. Nelems, and David P. Anderson

Application November 25, 1939, Serial No. 306,063
5 Claims. (Cl. 155—61)



1. In a glider chair, a supporting framework carrying hangers, a swing chair frame comprising side frames having upper and lower members, upwardly extending members connecting said upper and lower members near the front of the swing chair, said upper members being free to flex in a vertical plane at the point where they join the upwardly extending members, a cross member connecting the lower members of each of the side frames, a support member joining the upwardly extending members of the side frames, a flexible seat structure having its seat portion resiliently mounted on the support member and free to conform itself to the shape of a seated human body, means to pivotally hang the back portion of the seat structure from the freely flexible upper members, and means for connecting the hangers to the lower members of said side frames to swingably support the chair from the supporting framework.

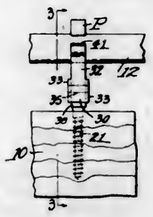
5. In a glider chair, a supporting frame carrying hangers, a swing chair comprising a pair of U-shaped side frames having their legs disposed substantially horizontally and their bases disposed substantially vertically, the ends of the uppermost legs being free to flex in a vertical plane, a cross member connecting the ends of the lowermost legs of said side frames, a second cross member connecting the bases of the side frames, a flexible seat structure having the front of its seat portion resiliently mounted on said second cross member and its back portion pivotally secured to the uppermost legs of said frames, and means for connecting said hangers to the lowermost legs of the side frames to swingably support the chair within the supporting frame.

2,271,441

HEDDLE BARPOST

John M. Sample and Joseph E. Blanchard, Millbury, Mass., assignors to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts

Application December 5, 1940, Serial No. 368,678
3 Claims. (Cl. 139—92)



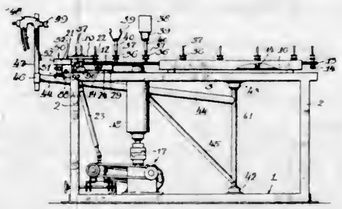
1. In a loom harness, a heddle bar post comprising a rigid stud having a side recess to receive a heddle bar, means by which said stud is secured in the harness frame, and a retaining member having its lower part fixed on said stud and substantially immovable relative thereto and having a free resilient tongue partially overlying said side recess and effective to engage and yieldingly prevent accidental displacement of a heddle bar from said recess.

2,271,442

AUTOMATIC SPRAYING MACHINE FOR SPRAYING TRAVELING ARTICLES

Frank E. Sanborn, Los Angeles, Calif., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application September 26, 1940, Serial No. 358,434
15 Claims. (Cl. 91—45)



3. In an automatic spraying machine having an article conveyor with means for rotating the article during a part of the conveying travel of the article; a device for controlling the spraying of the article during said part of its travel, comprising a movable support carrying a spraying means, means for guiding the support for advance and return movements in a path parallel to the path of said part of travel of the article, prime and final stops on the machine for determining the range of movement of the support, a control element carried by the conveyor, a control member carried by the support and movable into and out of the path of said control element, stop engaging means carried by the support and connected to said member to move the latter, said latter means being located to respectively engage the final and prime stops for respectively moving said member out of and into said path of said element, and spring means for producing return movement of the support.

2,271,443

CEMENT FIBROUS PRODUCT

Charles H. Schuh, Ridgewood, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

Original application January 26, 1935, Serial No. 3,577. Divided and this application April 5, 1938, Serial No. 200,140
9 Claims. (Cl. 72—36)



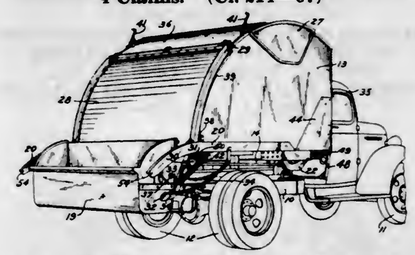
1. An impact product of manufacture comprising a hardened, highly compact mass having substantially uniformly distributed cementitious material and fiber, said product exhibiting upon at least one face an inherent natural grain textured finish that exists only at the surface of the product and having a variegated surface color tone when stained and polished, the composition of the natural grain textured surface being identical with the body composition and an integral part thereof, and said product showing substantially no visible fiber, and being substantially impervious to water.

2,271,444

REFUSE BODY

Paul Schutz, Union, N. J., and George W. Kuhlman, New York, N. Y., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application July 19, 1940, Serial No. 346,334
4 Claims. (Cl. 214—67)



1. In combination, a tiltable load confining body having a movable end gate, a loading bucket movably suspended from said body, a hook for locking said gate closed, said hook having a roller thereon cooperable with a cam surface on the body to effect sealing of said gate, and means carried by said bucket for moving said hook into latching position.

2,271,445

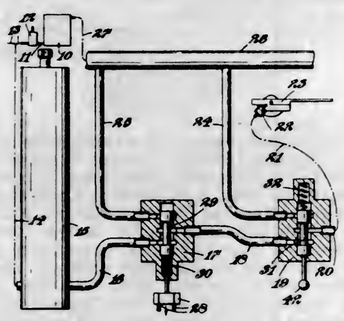
GUN CONTROL MECHANISM

Frederick John Tarris and Daniel Webb, London, England, assignors to The India-Rubber, Gutta Percha & Telegraph Works Company, Limited, London, England, a British company

Application August 15, 1939, Serial No. 290,168
In Great Britain August 25, 1938
2 Claims. (Cl. 89—37.5)

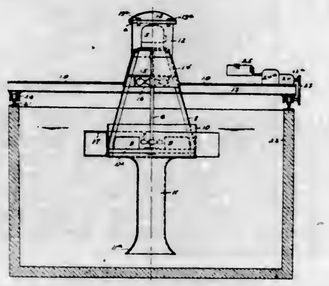
1. Gun fire control mechanism comprising in combination gun fire actuating means operable by fluid pressure, a fluid pressure supply line

leading to the gun fire actuating mechanism, a fluid pressure return line, a main control valve included in the fluid supply line and controlling respectively ports communicating with the gun fire actuating mechanism and with the return line, an auxiliary valve similarly interposed in the supply line to control also ports leading to the gun fire actuating mechanism and to the return line respectively, a cam which is formed on the surface of an otherwise substantially cylindrical cam carrier and is operatively



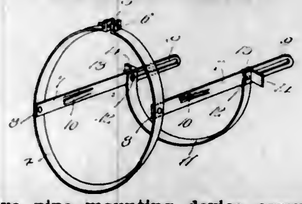
connected with the gun to move in company therewith, a cam follower cooperating with said cam and operatively connected with the auxiliary control valve, and means to mount the cam carrier for movement in both axial and circumferential directions in company with elevational and traversing movements imparted to the gun respectively whereby movement of the gun operates to control movements of the auxiliary valve.

2,271,446
METHOD OF AND MEANS FOR PURIFYING OR OTHERWISE TREATING FLUIDS
Gilbert C. Unger, Jr., Louisville, Ky.
Application January 17, 1939, Serial No. 251,433
12 Claims. (Cl. 210—26)



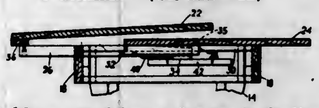
5. The herein described method which consists of successively and laterally traversing a large body of liquid with a structure acting to throw fresh portions of the liquid above the surface of the body of liquid in the form of an inverted cone to break the surface tension thereof, while simultaneously discharging a forcibly propelled column of gas, downward upon and into that portion of the liquid being thrown above the surface, for the purpose of treating and modifying the condition of such liquid.

2,271,447
STOVEPIPE HOLDER
Aaron J. Van Curler, Sandpoint, Idaho, assignor of one-half to Frank B. Marska, Sandpoint, Idaho
Application December 11, 1940, Serial No. 369,679
1 Claim. (Cl. 126—314)



A stove pipe mounting device comprising a clamping ring for fitting about a stove pipe and tightly gripping the same, arms carried by said ring and of a length to pass through a chimney, said arms having their free end portions formed with longitudinally extending slots, an arcuate yoke of resilient metal disposed between the arms with its ends bearing against inner side faces of the arms, lugs for engaging the inner end of a chimney nipple extending laterally from outer side faces of the slotted end portions of the arms opposite ends of the yoke, and securing members passing through the slots and engaged with the lugs and ends of the yoke to mount the yoke for turning adjustment from a position longitudinally of the arms to a position transversely thereof, the fasteners also serving to connect the lugs with the yoke for movement with the yoke along the slotted end portions of the arms to adjusted positions longitudinally of the arms.

2,271,448
TABLE
John C. Viehmann, Flushing, N. Y.
Application July 24, 1940, Serial No. 347,165
6 Claims. (Cl. 311—41)

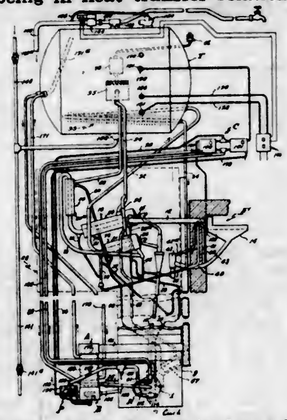


1. A table comprising a frame including rails, legs supporting said frame, a top, a substantially full area subtop, said top and subtop being finished on their upper face, horizontally slidable means whereby said subtop may be pulled horizontally outwardly to about half its width, slides for the top, the outer ends of the slides being connected to the top, and the inner ends of the slides being so located and dimensioned as to afford a slight lowering of the outer ends of the slides when the top is pulled outwardly to about half its width, whereby the top is lowered to rest horizontally on the rails in the same horizontal plane as the subtop, so that they meet in edge to edge relation.

2,271,449
WATER HEATING APPARATUS
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application February 24, 1938, Serial No. 192,343
32 Claims. (Cl. 62—115)

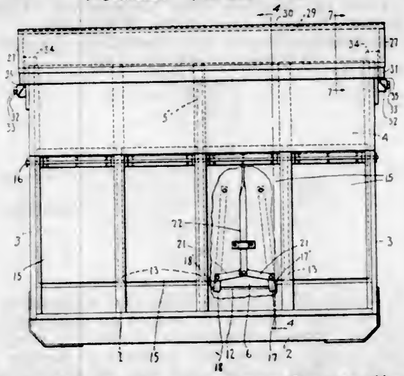
1. Combined refrigerating and water heating apparatus comprising a refrigerating system, a water tank, said system including a refrigerant

circuit including a refrigerant condenser, a cooler and a high temperature part through which the refrigerant circulates, said part being below the condenser and normally having a temperature higher than that of the condenser, said condenser being in heat transfer relation to water



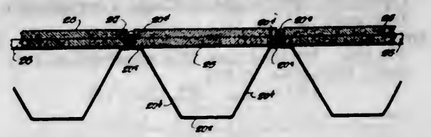
in the lower part of said tank, and a closed auxiliary fluid circuit having a heat-receiving lower portion in heat transfer relation to said part and a heat dissipating portion in heat transfer relation to water in said tank above the lower part thereof.

2,271,450
FEEDER FOR ANIMALS
Leonard C. Aleshire, Springfield, Ohio
Application August 14, 1939, Serial No. 289,957
7 Claims. (Cl. 119—54)



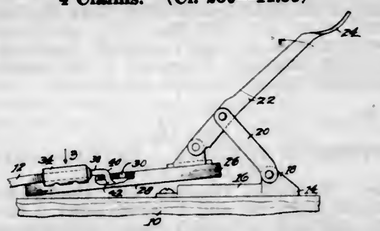
1. In a hog feeder, a frame-work supporting a feed hopper, sills to support the frame-work, a longitudinal feed trough below the outlet of the feed hopper, a metallic lining for the feed trough, a plurality of transversely disposed partitions to divide the feed trough into feeding stalls, doors normally closing the entrance to the feeding stalls, feed agitator bars pivotally supported in the hopper, said bars extending through the hopper outlet and upwardly on the outside of the hopper to form upturned ends, means connected with the doors and with the said upturned agitator ends to cause a swinging motion of the agitator bars by an opening of the doors, and springs to cause the agitator parts to return to normal position.

2,271,451
METAL TRUSSLESS ROOF
John F. Blaski, Chicago, Ill.
Application December 5, 1940, Serial No. 368,563
10 Claims. (Cl. 108—1)



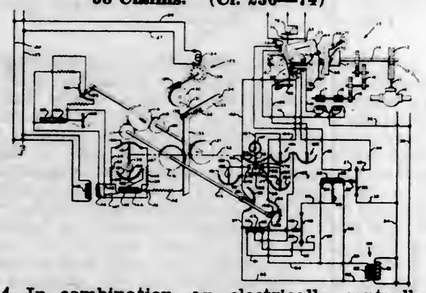
1. A trussless roof comprising in combination a plurality of courses extending from one edge to the opposite edge thereof, each course being arched lengthwise thereof upwardly from its ends towards its center and comprising a plurality of sheet metal channeled members, each of said members comprising side flange means connected by a web, said members of each course being disposed in end to end relation with at least portions of the ends of adjacent members in lapping engagement and with at least portions of their flange means in lapping engagement with at least portions of the flange means of the members of adjacent courses, the joints between the members of each course being non-coincident with the joints between the members of adjacent courses, fastening elements extending through the lapped end portions of adjacent members of each course, and fastening elements extending through said portions of the flange means of the members of one course at their respective sides and the side flange portions of the members of adjacent courses in lapping arrangement therewith.

2,271,452
SKI HARNESS
Elbert H. Carroll, West Boylston, Mass.
Application June 2, 1941, Serial No. 396,278
4 Claims. (Cl. 280—11.35)



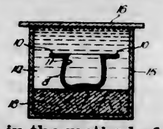
1. In a device of the class described, the combination of a flexible heel cable assembly adapted to be used with a ski, said assembly including a cable and a connecting plate attached thereto adjacent its forwardmost extent with relation to the ski, said plate having an element extending toward the ski and then substantially forwardly thereof; with a movable adjusting bar, flanges on said bar to space a part thereof from the ski, means to move said bar between cable tightening and loosening positions and spaced narrow slots in the part of said bar spaced from the ski, the forwardly extending portion of said connecting plate being adapted to be entered in a selected slot at an angle to said bar and pivoted down into a position wherein the plate lies flat on the bar, said forwardly extending portion then underlying a part of said bar forwardly of the selected slot, when said bar is in cable loosened position, said bar being adapted to be moved into cable tightened position with said connection in place.

2,271,453
LOAD COMPENSATING TEMPERATURE CONTROL SYSTEM
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application May 27, 1933, Serial No. 673,236. Divided and this application July 19, 1935, Serial No. 32,221
38 Claims. (Cl. 236—74)



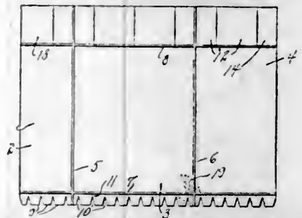
4. In combination, an electrically controlled device to be positioned in a plurality of positions for controlling the value of a condition, control impedance means adjusted in accordance with changes in the value of the condition to be controlled and having a desired adjustment corresponding to a desired normal value of the condition, mechanism, including follow-up means operated in response to operation of the device, controlled by the adjustment of the control impedance means for graduatingly positioning the device in accordance with the adjustment of the control impedance means to maintain the condition within certain limits, compensating impedance means for also controlling said mechanism in accordance with the adjustment thereof, and means operative as an incident to deviation of the condition to be controlled from the desired normal value for adjusting said compensating impedence means additionally to position the device for returning the value of the condition toward the desired normal value.

2,271,454
METHOD OF FORMING A REPRODUCTION OF AN ARTICLE
Reiner W. Erdle, Chicago, Ill., Henry Soller, Brooklyn, N. Y., and Paul H. Beier, Chicago, Ill., assignors to Dental Research Corporation, Chicago, Ill., a corporation of Illinois
Application June 25, 1938, Serial No. 215,810
27 Claims. (Cl. 18—55)



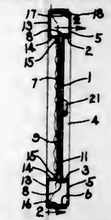
1. The steps in the method of forming a reproduction of an article which comprise forming against the article a body of material adapted to absorb a fluid and to be changed in size by the influence of the absorbed fluid thereby reproducing in said body the contour characteristics and details of the article, treating said body with a fluid adapted to be absorbed by said body to change the size of said body by the influence of the absorbed fluid while maintaining the contour characteristics and the details of the article reproduced in said body.

2,271,455
CONTAINER
Harry W. Finn, Monroe, Mich., assignor to Consolidated Paper Company, Monroe, Mich., a corporation of Michigan
Application October 30, 1939, Serial No. 301,919
1 Claim. (Cl. 229—4.5)



A two part container, polygonal at one end and circular at the other, one of said two parts of the container being a disk closure for the circular end of the container, the other of said two parts being a tubular body having at one end an annular series of minor tongues overlapping the disk with the body cylindrical contour thereabout, and major tongues at the other end of the body for the free ends of said latter tongues to overlap and the bases of said latter tongues to define sides of a polygon with the corners of the polygon lying substantially in the cylindrical surface of the cylindrical extension defined by said disk, said cylindrical contour sufficiently persisting for rollability of the charged container, and the polygon being sufficiently pronounced for stability against free rolling of the container on its side and at rest.

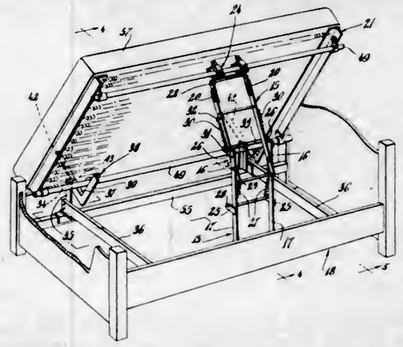
2,271,456
SIGN
Cornelius Hendricks, Grand Rapids, Mich., assignor to Applied Arts Corporation, Grand Rapids, Mich., a corporation of Michigan
Application May 9, 1940, Serial No. 334,207
5 Claims. (Cl. 40—140)



1. A sign of the class described comprising, a support, upper and lower ledges on said support extending longitudinally and forwardly thereof, plates having rearwardly extending flanges on opposing edges thereof adapted to contact the upper side of the upper ledge and the lower side of the lower ledge respectively on said support to thereby support said plates, a figure mounted on each plate, and releasable clamping means mounted on the margin of said support and overlying said plates to prevent movement of said plates forwardly from said support.

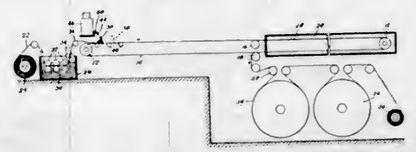
2,271,457
BEDSPRING LIFTING DEVICE
Louis Herzog, Brooklyn, N. Y., assignor of one-half to Joseph Miller, Brooklyn, N. Y.
Application March 23, 1939, Serial No. 263,666
4 Claims. (Cl. 5—323)

1. In a device for tilting a bed spring on the frame of a bed, the combination of means for pivotally connecting the bed spring at a point fixed with respect to one side of the bed frame, a foldable brace adapted to lie under the bed spring comprising a pair of bars, one of which is of the extensible type, pivotally secured to each other intermediate their lengths; an end of one of said bars being pivotally mounted on the underside of the bed spring at a point spaced from the first mentioned pivotal connection and an end of the other of said bars being pivotally mounted at a point fixed with respect to the bed frame and spaced from said first mentioned piv-



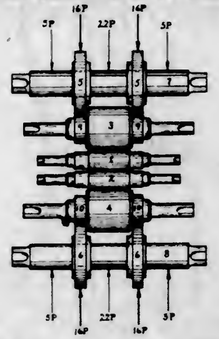
otal connection, a lug extending from one of the bars, a stop means on one of said bars, a coil spring secured at its ends to the lug and the other bar respectively whereby when the bars are extending colinearly said coil spring is in tilted relation with said bars; said coil spring being adapted then to automatically shift said bars into intersecting relation past dead center until said stop means limits such shifting of the bars, and another coil spring secured at one of its ends to one of said bars and at the other of its ends to the second bar adapted, when the bed spring is in normal horizontal position, to urge the bars towards the aforesaid dead center position.

2,271,458
RUBBER IMPREGNATED AND COATED WEB
Ernest Lionne, Lynn, Mass.
Application January 3, 1936, Serial No. 57,395
10 Claims. (Cl. 91—68)



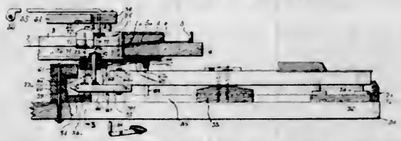
9. The method of coating a pervious fabric with rubber, which method comprises associating the fabric with a horizontal traveling surface to which a dried film of latex will not adhere, forming a pool of latex in a quantity greater than the fabric can absorb between the fabric and the supporting surface, moving the pool of latex and fabric as a unit with the horizontal traveling surface, passing the plied latex pool, fabric and supporting surface as a unit through a drying medium to dry the latex and form a solid rubber sheet adhered to the fabric, and removing the fabric and rubber sheet as a unit from the moving surface.

2,271,459
ROLLING MILL
William M. McConnell, McKeesport, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Application June 14, 1939, Serial No. 279,045
8 Claims. (Cl. 80—38)



2. In a roll assembly the combination of a mounted set, or stand, of rolls, and two load-sustaining structures, one rotatably in contact with the uppermost roll of the set and one rotatably in contact with the lowermost roll thereof, both said load-sustaining structures being constructed and arranged in contact with the rolls of the set at two spaced points beyond the work faces of the rolls, and load-distributing structures mounted in the mounting structure of the said set or stand of rolls and bearing at three spaced points on each of the said load-sustaining structures so that the said load-sustaining structures are enabled to function as continuous beams.

2,271,460
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Harding Township, Morris County, N. J., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J., a corporation of New Jersey
Application October 22, 1940, Serial No. 362,192
19 Claims. (Cl. 84—236)

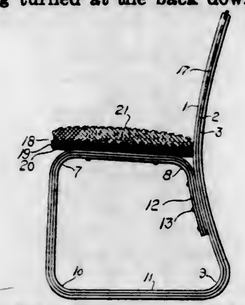


1. In a musical instrument, an exciting action for a vibrator comprising, in combination, a hammer movable to strike the vibrator; stop means against which the hammer rebounds after striking the vibrator; and means, carried by and movable relatively to the hammer, for suppressing bouncing of the hammer from said stop means back to the vibrator.

2,271,461
CHAIR CONSTRUCTION
Harry H. Musselman, East Lansing, Mich.
Application May 10, 1939, Serial No. 272,900
1 Claim. (Cl. 155—186)

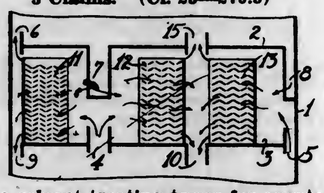
A chair comprising continuous side pieces formed of laminated strips, each of said side pieces being extended from the seat to make one side of the back of the chair and further extend-

ed downwardly and horizontally to constitute lower side frame portions adapted to support the chair upon the floor, said laminated strips being continued uwardly to form the vertical front of the frame and horizontally to form supports for a cushion plate, a cushion plate thereon, the ends of said horizontal cushion plate supporting portions being turned at the back downwardly and



secured to the rear portion of the chair frame below the cushion plate, the said back of the chair having the intermediate laminated strips cut off whereby openings remain between the outer strips, and spaced transverse members having ends located in said openings and said side pieces provided with means for spacing the members apart in the said openings.

2,271,462
COUNTERCURRENT EXTRACTION APPARATUS
Reuben F. Pfennig, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 22, 1939, Serial No. 285,877
3 Claims. (Cl. 23—270.5)



1. In a solvent treating tower for counter-currently contacting a selective solvent and a liquid containing an extractable component, a plurality of distributing plates, opposing inlet means for said solvent and said liquid in successive plates extending between said plates to a point in sufficient proximity to each other to form a mixing zone therebetween, outlet means for said solvent and said liquid in said plates at a location removed from said inlet openings, a separator structure between said inlet and outlet openings, said separator structure consisting of vertical columns of longitudinally extending plate-like elements, the plates in each column being parallel and inclined to the horizontal and the plates in adjacent columns being oppositely inclined and horizontally aligned.

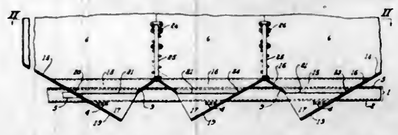
2,271,463
ELECTRIC ATTACHMENT FOR IRONING BOARDS, ETC.
Ned S. Reeves, Omaha, Nebr.
Application January 31, 1941, Serial No. 376,921
3 Claims. (Cl. 172—334)

1. An ironing board attachment comprising a substantially U-shaped clamp member formed of sheet metal and including upper and lower arms and a vertical connecting portion and adapted to straddle the edge of an ironing board, a substantially L-shaped suspension bracket constructed of resilient material and composed of an upper horizontal portion secured against the underside of the lower arm of the free terminal portion of the lower arm of the clamp member and reinforcing the same and a vertical depending portion inwardly offset from the vertical connecting portion of the clamp member, a tap box secured to the vertical depending portion of the bracket



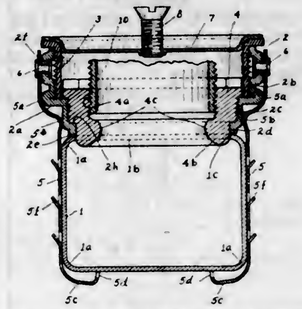
in downwardly spaced relation with the lower arm of the clamp member and in a position inwardly spaced from the vertical connecting portion of the clamp member with the front face of the tap box in a vertical position beneath and rearwardly of the edge of the ironing board when the attachment is applied thereto, whereby the tap box will be out of the way and the resiliency of the bracket will cushion the tap box and prevent the same from contacting with the clamp member should the bracket be subjected to sudden strain incident to the pull of an electric cord, and a clamping screw carried by the lower arm of the clamp member.

2,271,464
RAILWAY HOPPER CAR CONSTRUCTION
Henry W. Reynolds and Edward C. Roesener, Roanoke, Va.
Application October 9, 1939, Serial No. 298,542
8 Claims. (Cl. 105—249)



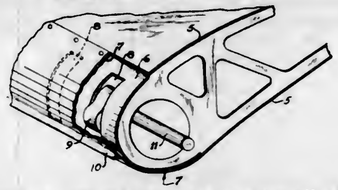
1. In a railway hopper car: the combination of a center sill; side sills; side walls; integral end wall and end slope sheets; transverse ridge sheets recessed to receive the center sill and resting thereon, the said transverse ridge sheets extending from side wall to side wall and directly welded to said side walls, side sills and center sill; brace means rigidly secured to the side walls and the transverse ridge sheets; longitudinal hood sheets overlying the center sill and rigidly secured to adjacent transverse ridge sheets and to adjacent integral end wall and end slope sheets by welding; hoppers, comprising an inside and an outside side sheet and a slope sheet, said hopper sheets having their adjacent portions rigidly secured to each other by welding; said hoppers rigidly secured to the car by welding.

2,271,465
UNDERFLOOR DUCT
William C. Robinson and James M. G. Fullman, Sewickley, Pa., assignors to National Electric Products Corporation, a corporation of Delaware
Application June 19, 1939, Serial No. 279,864
3 Claims. (Cl. 285—108)



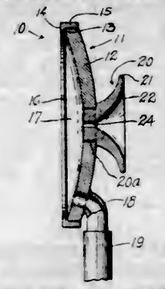
2. An underfloor duct system including a metal duct approximately rectangular in cross section, an access element on the top wall of the said duct, a pair of resilient tong-like arms secured to the said access element and extended therefrom along opposite sides of the duct, terminal portions of the said arms turned toward each other yieldingly to contact the bottom wall of the duct embracingly to engage the access element to the duct, and bent portions in the said arms extended toward each other into contact with the access element adjacent the top wall of the duct providing points of yielding deflection at the lower region of the access element for the portions of the said resilient arms which extend along and beneath the walls of the duct.

2,271,466
WING DEICER
Leopold C. Schmidt and Walter J. Schmidt, Jersey City, N. J., assignors of one-third to Benjamin G. Wendt, Jersey City, N. J.
Application June 22, 1940, Serial No. 341,832
1 Claim. (Cl. 244—134)



A wing de-icer of the character described comprising a shaft rotatably mounted inside the front edge of the wing; a plurality of cams mounted on said shaft, said cams being mounted at different operating angles, the front edge of the wing having a plurality of openings in spaced relation corresponding to said cams through which these may protrude; an elastic wing cover placed over the recessed portion of the front edge of the wing, the outside surface of said elastic wing covering being flush with the rigid wing covering at the junction between the two; an elastic fin-shaped extension forming the leading edge of said elastic wing covering, and remote control operating means whereby said shaft may be rotated thereby successively expanding various points of the elastic wing covering.

2,271,467
THREE-TONE STETHOSCOPE
Jacob Smithline, Brooklyn, N. Y.
Application October 22, 1940, Serial No. 362,186
1 Claim. (Cl. 181—24)

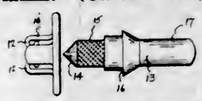


A stethoscope having a circular wall which is gradually curved from its central to its marginal portion to form a front concave face and a rear convex face, a ring of angular cross section having one flange threadedly secured to the said marginal portion, a sounding diaphragm for general auscultation secured between the latter and the other flange to overlie the concave face and form a sound chamber therewith, a bell for local auscultation coaxial with said wall and disposed at the rear face thereof, central means directly connecting said bell and said wall including an axial portion forming an opening of such sufficiently small size as to constitute a permanent vent of fixed size to substantially eliminate amplification of vibrations for auscultation at the heart without impairing sound audibility, said vent opening being adapted to be closed by the placing of the operator's finger in the bell for amplified auscultation of the chest, said vent rendering the bell responsive to the diaphragm, and an ear piece connection for said wall closely adjacent to the margin at the convex face thereof so as to lie spaced inside of the outer plane of the bell to avoid interference therewith, and said ear tube connection being within said ring.

2,271,468
WATER SOLUBLE POLYVINYL ALCOHOL SOFTENED WITH BETA-HYDROXY-ALKYL AMMONIUM SALT
William W. Watkins, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 18, 1941, Serial No. 375,024
12 Claims. (Cl. 260—36)

1. A composition comprising polyvinyl alcohol and beta-hydroxy-ethylammonium chloride.

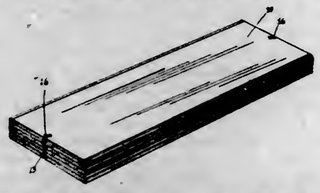
2,271,469
SHELF SUPPORTING DEVICE
Cary C. Wilson, Bristol, R. I., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 31, 1939, Serial No. 276,621
2 Claims. (Cl. 248—239)



2. A shelf support for attachment to an apertured metal supporting member comprising an attaching member having a base engaging one

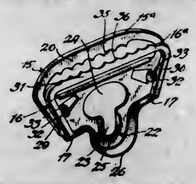
face of said supporting member, and a plurality of resilient fingers formed thereon extending through the aperture in the supporting member, the ends of said fingers beyond said supporting member being inturned presenting a restricted opening, a pin insertable through said attaching member having a shank portion of a size in excess of said restricted opening for expanding said finger ends into gripping engagement with portions of the supporting member surrounding the aperture therein, a shoulder on said pin intermediate the length thereof for limiting movement of the pin inwardly through the attaching member, the portion of said pin outwardly of said shoulder constituting a shelf-supporting member.

2,271,470
BUILDING BOARD BUNDLE
Theodore T. Youngfelt, Hinsdale, and Otto P. Haegele, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 31, 1938, Serial No. 248,796
3 Claims. (Cl. 206—60)



1. In a building board bundle, a plurality of rigid similar building boards in stacked face-to-face relation and ends and edges in substantial alignment, said boards having registering transverse slots extending inwardly from opposed sides, and a rigid tie engaging in the slots at each side of said board bundle to firmly maintain said boards in bundle form, said tie member having transverse end flanges engaging and countersunk in the outer surface of the outer boards to hold the boards together in bundle form, the outer surfaces of said flanges being in the plane of the outer surface of the respective outer boards.

2,271,471
BUCKLE
Carl E. Anderson, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J., a corporation of New Jersey
Application August 4, 1940, Serial No. 351,335
8 Claims. (Cl. 24—73)



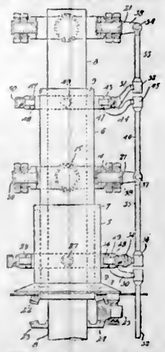
4. A buckle comprising a pair of peripherally embossed frames disposed in a face-to-face relation, each of said frames having spaced side bars and spaced cross bars, one of said cross bars being common to each frame and being formed with a loop portion having an opening to the interior of the frame for receiving a button acting to support a garment or other article, co-operating cross bars, one on each frame being adapted to clamp a strap threaded therebetween in fixed adjusted positions, and resilient means for connecting said frames adjacent said cross bar common to both frames, said co-operating cross bars being urged into said clamping relation against the resiliency of the connection between said frames by the tension on said strap.

2,271,472
BUILDING CONSTRUCTION
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,306
11 Claims. (Cl. 72—115)



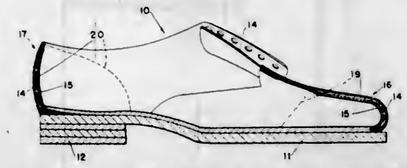
2. In a building stud, a plurality of chord wires arranged in spaced pairs connected by a sinuous web wire, and an extension member slidably mounted adjacent one end of said stud, said extension member having portions frictionally engaging each side of said web wire between said pairs of chord wires for longitudinal adjustment.

2,271,473
ROTATIVE WINGED AIRCRAFT
James Allan Jamieson Bennett, Esher, England, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application July 6, 1939, Serial No. 282,959
In Great Britain January 1, 1938
6 Claims. (Cl. 244—17)



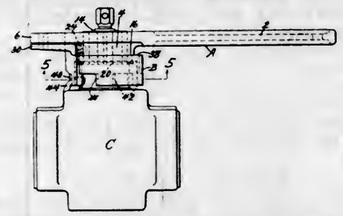
1. In an aircraft, a sustaining and controlling rotor incorporating a hub and at least one blade, a blade mounting member pivoted to the hub on an axis providing for pitch change movement of the blade, means for pivotally connecting the blade to said member with freedom for flapping movement, and control mechanism for periodically tilting the blade mounting member synchronously with rotation of the rotor, said mechanism including a non-rotative ring universally tiltable about a point spaced axially of the hub from the axis of pivoting of the blade mounting member thereon, and a connection between the blade mounting member and said ring, said connection being rotative with the rotor and constraining the blade mounting member to oscillate about the axis of its mounting periodically with rotation of the rotor when said non-rotative ring is tilted.

2,271,474
SHOE FINDING
Clyde H. Boys, Drexel Hill, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application June 15, 1940, Serial No. 340,639
10 Claims. (Cl. 36—77)



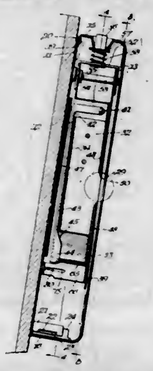
1. A stiffening member for shoes comprising an absorptive base, impregnated with a composition including a material selected from the group consisting of natural and synthetic rubbers, and a material selected from the group consisting of hydrogenated rosin and hydrogenated rosin esters.

2,271,475
VALVE LOCK AND WRENCH
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 26, 1940, Serial No. 342,575
7 Claims. (Cl. 70—180)



1. A combined valve lock and wrench device for use on valves having a casing with an exterior stop formed thereon and a rotatable valve stem, said device comprising a valve operating member, means to secure said member to said valve stem, and a lock plate pivotally carried by said valve operating member and located between said member and valve casing, said lock plate being formed with a plurality of slots each adapted to be selectively engaged with said stop to retain said plate in predetermined position relative to the valve casing, said member and lock plate being formed with openings adapted to register when the valve stem is in a predetermined position to receive locking means preventing unauthorized movement of said member.

2,271,476
VENDING APPARATUS
Harold S. Cohn, Jacksonville, Fla.
Application December 8, 1937, Serial No. 178,797
10 Claims. (Cl. 194—48)



8. Vending apparatus comprising a housing and dispensing means in said housing, said dispensing means including a stack-receiving magazine in said housing movable between limit positions, said housing being provided with a coin slot, a coin chute carried by the magazine for the reception of a coin inserted through said slot, a coin controlled latch member carried by said magazine and constituting a wall portion of said chute, and a fixed stop portion normally engaged by said latch member, said latch member being engageable by a coin of proper size introduced into the chute to be moved by the coin to unlatching position to permit dispensing movement of said magazine.

2,271,477
LOOP AND STITCH FORMING DEVICE
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1940, Serial No. 321,309
2 Claims. (Cl. 66—117)

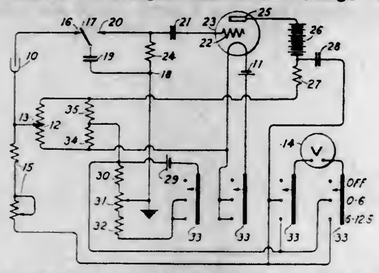


1. A loop and stitch forming device comprising a body member of porous material equipped with a point, a surface skin closing the pores of said body and polished to a mirror-like smoothness which would normally be highly reflective, and a neutral gray pigment impregnating said skin and rendering it non-reflective.

2,271,478
HYDROGEN ION INDICATOR
Kenneth B. Eldredge, Berkeley, Calif.
Application April 13, 1940, Serial No. 329,484
12 Claims. (Cl. 175—183)

1. An apparatus for indicating a balance between a pair of opposable electric potential sources, one of which is variable in magnitude, comprising a voltage indicating means in parallel with said variable potential source, a first condenser, means for momentarily impressing a difference in potential between said potential sources on said first condenser to charge the same, a voltage amplifying means, means for transferring said first condenser charge to the input of said amplifying means to impress a momentary potential thereon, and a second condenser con-

nected to the output of said amplifying means and to said voltage indicating means, so constructed and arranged that said voltage indi-



cating means indicates a balanced condition between said potential sources when its indication remains constant upon actuation of said first condenser charge transferring means.

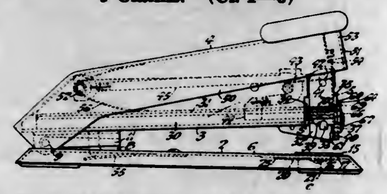
2,271,479

FASTENER-APPLYING DEVICE

Joseph M. Gambao, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine

Application January 23, 1940, Serial No. 315,197

9 Claims. (Cl. 1—3)



1. In a device of the type specified, the combination of clincher-means, fastener-applying means adapted to cooperate with the clincher-means, and means adjustable on the fastener-applying means to control the relative rocking and deformation of the legs of a driven fastener by the clincher-means whereby to selectively produce either a flat stitch or a stitch having curled ends.

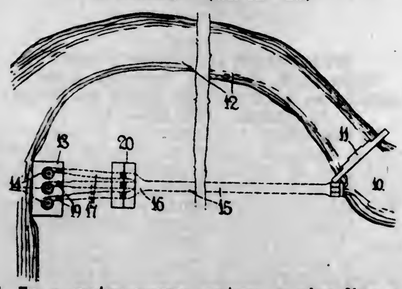
2,271,480

HYDRAULIC PRESSURE SYSTEM

Norman E. Gibson, Lewiston, and Louis S. Bernstein, Niagara Falls, N. Y., assignors to The Niagara Falls Power Company, Niagara Falls, N. Y.

Application February 9, 1939, Serial No. 255,538

11 Claims. (Cl. 61—19)



1. In a water power system, a pipe line connecting a source of water supply, a plurality of turbines fed through said pipe line, a manifold connected to the pipe line and having branches connected to said turbines, and a surge tank in said system located between the manifold junction and the turbines with each of the branches opening into the surge tank between the manifold junction and the turbines, and the surge tank serving to compensate for pressure fluctuations in any of said branches.

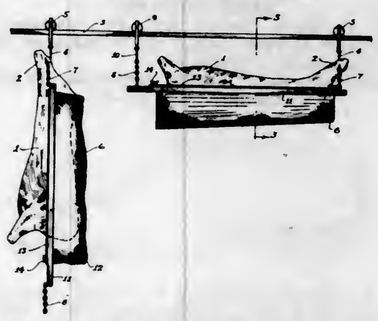
2,271,481

MEAT CHILLING METHOD AND APPARATUS

Andrew S. Hartanov and Frank B. Bratek, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application May 26, 1939, Serial No. 275,863

10 Claims. (Cl. 62—114)



1. The method of treating edible animal carcasses of the class of quadrupeds which normally become misshapen when suspended from the hind shanks which comprises supporting the carcass with its back side down along the back edge thereof in an open flexible mold while the carcass is warm and before the body heat has left the carcass, and thereafter chilling the carcass to set the structure.

2,271,482

METHOD FOR RECOVERING COPPER FROM COPPER SLUDGE DERIVED FROM WASTE INDUSTRIAL LIQUORS CONTAINING LIME AND CELLULOSE

Franz Hoelkeskamp and Ewald Knehe, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 28, 1939, Serial No. 306,530. In Germany November 12, 1938

4 Claims. (Cl. 23—55)

1. In the method of preparing pure solutions of copper tetrammine salts from sludge originating from the manufacture of artificial fibres from ammoniacal copper oxide cellulose solutions and containing, besides copper hydroxide and lime, contaminations insoluble in an ammonium salt and free ammonia comprising calcium carbonate, calcium sulphate and cellulose, the steps in sequence which comprise converting all of the lime contained in said sludge into a calcium compound which will subsequently remain insoluble upon the addition of an ammonium salt and free ammonia, adding at least 4 moles of an aqueous solution of an ammonium salt to said sludge per mole of copper contained therein, adding at least 2½ moles of free ammonia to said sludge per mole of copper contained therein to form a copper tetrammine salt solution containing solid, agglomerated contaminations and mechanically separating said contaminations from said solution.

2,271,483

MECHANICAL PENCIL

Eric Rumar Johnson, Cranston, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island

Application January 3, 1940, Serial No. 312,243

4 Claims. (Cl. 120—18)



1. In a mechanical pencil, two relatively rotatable parts, one having movable therewith a collar member and the other having movable therewith a point member, said collar member being provided with a roughened surface and said point member being provided with a circumferential recess, a barrel embracing said collar member and the portion of said point member in which said recess is located, said barrel fixedly gripping the collar and revolvably engaging the point member with a portion of the barrel entering said recess to lock the point member against longitudinal movement with reference to the barrel.

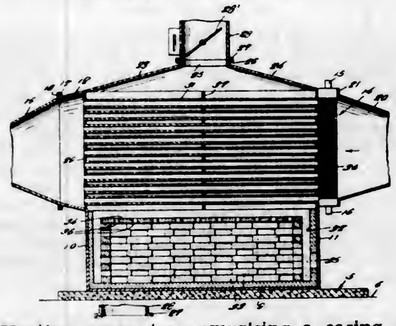
2,271,484

HEAT EXCHANGER APPARATUS

Robert M. Joyce, Greenville, Miss.

Application March 6, 1940, Serial No. 322,602

1 Claim. (Cl. 126—109)



Heating apparatus comprising a casing, cool air inlet and heated air outlet conduits connected to opposite ends of the upper part of said casing, respective headers supported across the mouths of said conduits, said headers being formed with matching multiplicities of holes with horizontal air heating tubes arranged with their opposite ends inserted in aligned ones of the holes, each of said tubes thereby providing communication between the inlet conduit and the outlet conduit, a vertical partition provided with holes passing all of said tubes, said partition being located substantially midway between said headers, a pervious wall structure forming a combustion compartment in said casing below said tubes and said partition, a burner opening at one end of said compartment below the tubes whereby heating gases may enter said compartment from one end and take a generally horizontal path across said compartment before rising around said tubes, said casing having its top sloping upwardly and inwardly from its edges to the center, a stack connected with the said central portion of the top, with the vertical partition extending across the casing below the central portion of the stack, said stack and said vertical partition acting to segregate portions of the heating gases along the tubes on opposite sides of the partition whereby air passing through said tubes from said inlet conduit to said outlet conduit is uniformly heated.

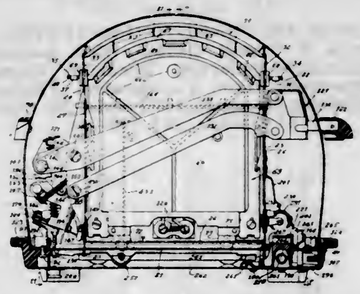
2,271,485

TOASTER

Ludvik J. Kocl, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application June 26, 1939, Serial No. 281,080

20 Claims. (Cl. 219—19)



1. The combination in a toaster of a heating element, means for transporting bread between a remote position and a toasting position opposite said heating element, a spring pressed switch for controlling the flow of current through said element, a spring pressed lever for moving said transporting means from the toasting to the remote position, means for closing the switch against its spring pressure and moving said lever to a tensioned position in response to movement of said transporting means to the toasting position, latch means for retaining said switch in the closed position, latch means for retaining the said lever in the tensioned position, means for predetermining a toasting interval and for tripping the switch latch at the termination of a toasting interval, and means for tripping the lever latch subsequent to the tripping of the switch latch to move the transporting means to the remote position.

2,271,486

SNUBBER

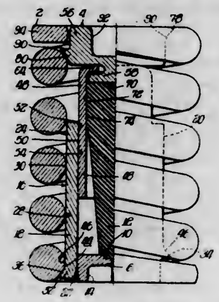
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 28, 1939, Serial No. 311,234

28 Claims. (Cl. 267—9)

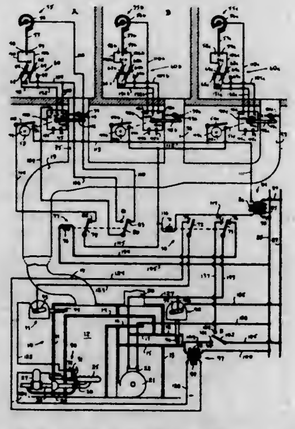
1. In a friction absorbing device, a coil spring, end followers received within said spring, one of

said followers comprising semi-cylindrical members to facilitate assembly of said device, each of said members having friction surfaces received in said spring, friction shoes carried by the other of said followers, a resilient member in compres-



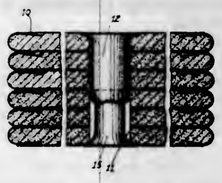
sion between said followers and said shoes and urging said shoes into frictional engagement with said surfaces, and means on said followers interlocking with spirals of said spring to maintain said device in assembled relationship.

2,271,487
ZONE AIR CONDITIONING SYSTEM
Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 16, 1939, Serial No. 262,192
11 Claims. (Cl. 236—9)



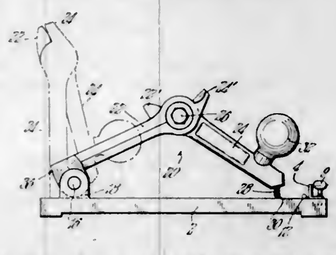
1. In a fluid distributing system, in combination, a source of fluid medium supply, means for circulating fluid medium to a plurality of different regions, a condition responsive control device associated with each region and controlling the supply of fluid medium thereto so as to shut off the supply whenever said condition exceeds a limiting value, an electrical relay controlling said source of fluid medium supply and energizable in response to opening of each of said devices, means responsive to a condition at said source of fluid medium operable to control said circulating means, and means controlled by said relay for placing said last named condition responsive means in control of at least one of said devices when said relay is deenergized.

2,271,488
BUILDING BOARD BUNDLE
John H. Nold, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1938, Serial No. 241,534
2 Claims. (Cl. 206—60)



1. In a bundling device, the combination with a plurality of gypsum composition building boards in face to face abutting relation, said boards having a series of substantially registering holes, of a pair of telescoping tubular members having outstanding flanges at the ends thereof for confining said boards in bundle form, and interlocking means between said tubular members for adjustably connecting said tubular members.

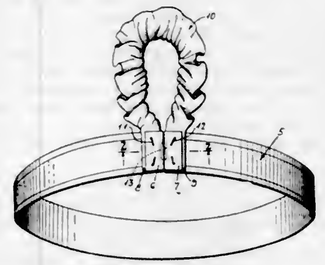
2,271,489
COMBINATION CUTTING AND BREAKING MACHINE
Henry Persson, Newark, N. J., assignor to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey
Application May 13, 1941, Serial No. 393,215
3 Claims. (Cl. 125—23)



1. A machine of the class described comprising in combination, a support for an object, a carrier including an inner member having its inner end portion pivoted to said support adjacent a side thereof for swinging movements in clockwise and counterclockwise directions relative thereto, an outer member having its inner end portion pivoted to the outer end portion of said inner member for swinging movements relative thereto in substantially the same vertical plane therewith, a cutting element on the outer end of said outer member, and cooperating jaws on said outer end portion of the inner member and said inner end portion of the outer member.

2,271,490
HOSE SUPPORT
Teresa Pous y Valdés, Vibora, Habana, Cuba
Application March 16, 1940, Serial No. 324,314
In Cuba March 22, 1939
1 Claim. (Cl. 2—313)

A hose support, comprising an annular member for embracing a stocking upon the leg of a wearer, and having abutting flaps extending away from each other, a loop having ends extending between said flaps and the annular



member, and means connecting the ends of the loop to said flaps and said annular member.

2,271,491
METHOD OF APPLYING DECALCOMANIAS
Harry C. Rathke, Chicago, Ill., assignor to The Meyercord Company, a corporation of Illinois
No Drawing. Application February 3, 1941, Serial No. 377,213
5 Claims. (Cl. 41—33)

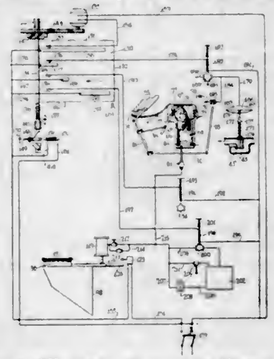
2. The method of bonding to an object having a face of bare wood or other substances the transferable film of a decalcomania in which the materials at the surface adapted to contact said face are largely of types that are non-oxidizable, which consists in subjecting said surface to the action of a low moisture content solution of solvents for said non-oxidizable materials combined with an alcohol and a coagulant so as to cause a softening of said non-oxidizable materials while stabilizing the film structure, and pressing the decalcomania against said object with said surface engaged with said face.

2,271,492
MOISTUREPROOFING COMPOSITION
William H. Bryce, Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex.
No Drawing. Application February 23, 1939, Serial No. 258,102
7 Claims. (Cl. 260—736)

1. A meltable wax-like composition containing from 4 to 6 percent of a powdered resinous rubber derivative, hydrogenated fat melting above 130° F., and upwards of 59 percent of a wax, said rubber derivative being the resultant of treating rubber with a halide of an amphoteric metal.

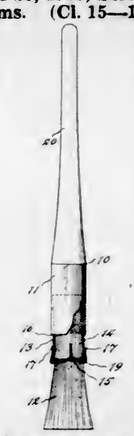
2,271,493
CENTRIFUGAL SEPARATOR
Nathaniel Brewer, Lansdowne, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 21, 1937, Serial No. 170,246
23 Claims. (Cl. 210—70)

1. In a machine for separating liquid from solids, the combination of a rotor, means for feeding fill-mass into the rotor to form a wall of progressively increasing thickness, a charge control valve, means tending to close said charge control valve, a fluid pressure motor for opening said charge control valve, admission and exhaust valve means for said motor, time control means for operating said admission and exhaust valve means in definite timed relation, other exhaust valve means for relieving pressure from said motor, and means responsive to the thickness of



the wall of fill-mass for operating said other exhaust valve means.

2,271,494
BRIDLE BRUSH
Charles J. Gerndt, Rockville Centre, N. Y., assignor to Solo-Horton Brush Co., Inc., New York, N. Y., a corporation of New York
Application June 20, 1940, Serial No. 341,404
2 Claims. (Cl. 15—168)



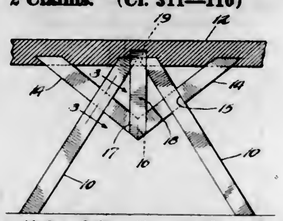
1. A brush including an annular band forming a ferrule, smooth on both its inner and outer sides and thus free of any fastening means, a unit comprising a tuft of bristles having on diametrically opposite sides thereof, a pair of parallel initially flat imperforated strips of easily bendable metal, one end of said unit, including an end of each of the metal strips, vulcanized within the ferrule and secured solely by the vulcanization in the ferrule, a bridle snugly encircling the unit in spaced relation to the ferrule, the ends of said flat strips at the exposed portion of the unit being bent back outwardly upon themselves to secure the bridle temporarily in place, said bent back ends of the metal strips adapted to be bent back towards the bristles into their initial flat position to permit the ready removal of the bridle from the brush and said metal strips adapted to be broken off at the ferrule as the bristles wear down towards the bridle, the free edge of the ferrule acting as a stop about which the metal strips may be bent back and forth radially of the brush and transversely of their broad faces until they break along the edge of the ferrule.

2,271,495
SNAP FASTENER AND SNAP FASTENER INSTALLATION
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 17, 1939, Serial No. 274,206
7 Claims. (Cl. 24—73)



1. A snap fastener member comprising a base portion and a slotted stud head and neck extending from said base portion for snap fastener engagement with a support through an aperture thereof, and said head and neck having a covering of flexible material to exclude passage of foreign matter through the slotted head and neck.

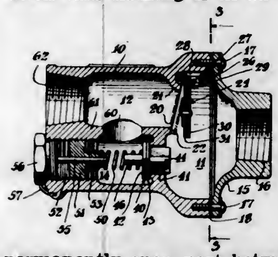
2,271,496
FURNITURE SUPPORT
Wincenty Hofman, South Chicago, Ill.
Continuation of application Serial No. 329,695, April 15, 1940. This application June 27, 1941, Serial No. 400,130
2 Claims. (Cl. 311—110)



1. In an article of furniture, a base having recesses in the under side thereof, a pair of legs arranged in downwardly diverging relation and with their upper ends fitted and secured in certain of said recesses, said legs having transverse recesses in corresponding sides thereof near the upper ends of the same, a pair of upwardly diverging brace arms having their upper ends fitted and secured in others of said recesses of the base and their lower ends in contacting relation, said brace arms having transverse recesses in corresponding sides thereof intermediate the ends of the same and receiving and having secured thereto the reduced portions of the legs where the transverse recesses are provided in the latter near their upper ends, said brace arms further having recesses in corresponding sides of their lower ends, and a vertical connecting arm having its upper end fitted and secured in a further recess of the base, the lower end of said connecting arm having a chevron-like recess in one side thereof receiving the reduced lower ends of said brace arms, said lower ends of the brace arms being secured to the lower end of said connecting arm.

2,271,497
PRESSURE RELIEF CHECK VALVE
Arthur T. Newell, Huntington, N. Y., assignor to Kenyon Instrument Co., Inc., Huntington Station, N. Y., a corporation of New York
Application February 4, 1941, Serial No. 377,315
2 Claims. (Cl. 277—61)

1. A valve for the vent pipe of a mobile object comprising a housing having a pressure chamber adapted to be connected to said vent pipe and a pair of adjacent horizontal passages extending from said pressure chamber, one of said passages being open to the atmosphere to form a vent, a port connecting the end of said last passage to said pressure chamber, an inclined valve seat on said port, a gravity biased flapper valve pivoted in said pressure chamber and normally hanging vertically downwardly therein to maintain a continuous vent passage and being adapted to swing against said valve seat for closing said vent passage in response to reverse flow of fluid or when said housing is in an inclined



position, a permanently open port between said horizontal passages, a port connecting the end of the other of said passages to said pressure chamber, a spring loaded pressure relief valve in said last port, said relief valve being normally closed and being adapted to open in response to a high pressure in said pressure chamber to establish connection through said permanently open port to said vent passage, and valve adjusting means threaded into the other end of said other passage and closing the same.

2,271,498
METHOD FOR MAKING CLOSED-CELL CELLULAR HARD RUBBER AND PRODUCT OF THE METHOD
Robert L. Overstreet, Bedford, Va., assignor to Salta Corporation, Jersey City, N. J., a corporation of Delaware
Application April 8, 1941, Serial No. 387,388
20 Claims. (Cl. 18—53)



1. The method of making closed-cell cellular hard rubber, which comprises rigidly externally confining a mass of hard-rubber compound, heating the confined mass and vulcanizing it under conditions which preclude penetration of gas into the mass from the outside to the point where it acquires a consistency and tensile strength comparable with that of vulcanized soft rubber, and then releasing such confinement and completing the vulcanizing of the mass under conditions that cause gas to be evolved within the mass to expand it to produce a closed-cell cellular hard rubber.

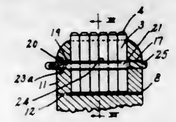
19. A closed-cell cellular hard rubber containing cells containing hydrogen sulphide gas and substantially free from other gases.

2,271,499
WATER-TREATING COMPOUND
Cyrus W. Rice, Pittsburgh, Pa.
No Drawing. Application June 15, 1940, Serial No. 340,777
3 Claims. (Cl. 252—180)

1. A water-treating compound for boilers and water heaters consisting essentially of a protein-

ate which is the reaction product of a protein selected from the group consisting of casein, glycinin, gluten, and cottonseed protein with an acid selected from the group consisting of phosphoric acid, lactic acid, and citric acid, and a metal selected from the group consisting of zinc and aluminum, the said water-treating compound being substantially free of amino decomposition products of the reacted protein.

2,271,500
DIE HOLDER
Harry C. Rickenbach, Pittsburgh, Pa., assignor to Pittsburgh Stencil & Tool Company, a corporation of Pennsylvania
Application July 26, 1939, Serial No. 286,645
3 Claims. (Cl. 101—28)

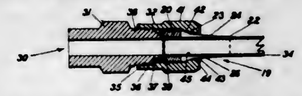


2. In combination with a die holder having a type-socket in one end thereof and having therein aligned bores providing locking-bar seats extended from the type socket to the outer face of opposite walls bounding the die socket, and grooved type adapted to stand in the said die socket; a locking bar adapted to lie in the said seats provided by the aligned bores in the walls of the die holder and in the grooves of the type to lock the type in the die socket, the said locking bar being deformed in the region of the grooved type so that in one angular position thereof it releases the type for removal from the die-socket, and a region of the locking bar projectant beyond the outer face of one die-holder wall bounding the die socket cooperatively organized with means in the bounding wall through which it projects to cause axial movement of the locking bar also to cause angular movement thereof into type-locking and type-releasing positions of the locking bar.

2,271,501
CENTRIFUGAL SEPARATING PROCESS
Ashton T. Scott, Ardmore, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 23, 1939, Serial No. 300,804
6 Claims. (Cl. 233—1)

5. In the separation of a substance from a mixture of that substance with a liquid in which said substance is insoluble, the process comprising finely dispersing in said mixture insoluble material differing in specific gravity from the liquid to an extent sufficient to impart to the liquid, upon addition of said material, an effective specific gravity which differs from the specific gravity of the substance to be separated by an amount greater than the specific gravity difference between the liquid and the substance to be separated therefrom and being adapted to separate from said liquid at a slower rate than the substance to be separated therefrom and to substantially increase the rate of subsidence of the substance in the liquid during separation and thereafter subjecting the resulting mixture of said substance, said liquid and said added material to centrifugation to separate said substance from said liquid containing said added material, said insoluble material being so finely dispersed in said liquid that the mixture of said liquid and insoluble material acts similarly to a homogeneous liquid in the separation of said substance.

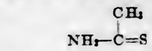
2,271,502
DUCTILE TUBING CONNECTOR
Robert E. Snyder, Pasadena, Calif., assignor to Snyder Research, Inc., a corporation of California
Application May 8, 1940, Serial No. 333,985
8 Claims. (Cl. 285—86)



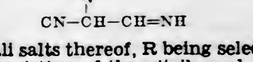
1. A coupling for a flexible metal tube which is subjected to vibration, comprising: a tubular body member to which the end of the tubing is attached, a split sleeve having a resilient, externally tapered portion extending from said body member and gripping said tube, and means for contracting the sleeve about the tubing and for rigidly securing it to the body member; said resilient portion of said sleeve extending along said tube externally of said contracting means and being of a length substantially one and one half or more times the external diameter of the tubing and having a thin outer edge of a thickness materially less than the tubing thickness, so that the thin edge of the sleeve bends freely with the tubing as the tubing vibrates and the vibrational movements of the tube are gradually lessened through the increasing support offered by the sleeve from its outer to its inner end.

2,271,503
PROCESS FOR MANUFACTURE OF DERIVATIVES OF 2-METHYL-4-AMINO-PYRIMIDINE
Heinz Moritz Wuest, Arlesheim, near Basel, and Max Hoffer, Basel, Switzerland, assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 27, 1940, Serial No. 371,986. In Switzerland March 28, 1940
9 Claims. (Cl. 260—251)

1. In a process for the manufacture of 2-methyl-4-amino-pyrimidine derivatives the step of reacting thioacetic amide of the formula



with an amino methylene derivative selected from the group consisting of amino methylene derivatives of the formula

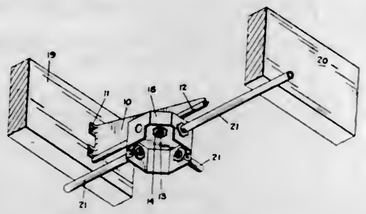


and the alkali salts thereof, R being selected from the group consisting of the nitrile and an esterified carboxylic radical, in an alkaline medium.

2,271,504
OUTLET BOX HANGER
Daniel Kees, Beatrice, Nebr., and James W. Hankins, Chillicothe, Mo.
Application March 18, 1940, Serial No. 324,640
7 Claims. (Cl. 174—63)

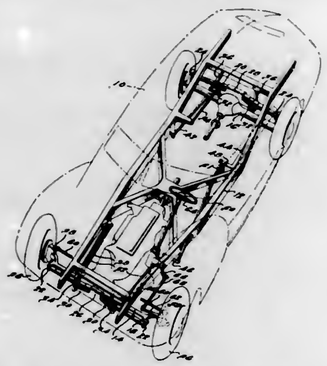
1. An outlet box bracket adapted to be secured in vertical position to a joist or the like, the lower edge of said bracket being rolled for a substan-

tial portion of the length thereof, a fixture stud having an aperture for the reception of said rolled portion and a slot above said aperture of a width at least as great as that of the plate, the aperture of said stud being slightly greater in diameter than the external diameter of said rolled portion whereby said stud is slidably ad-



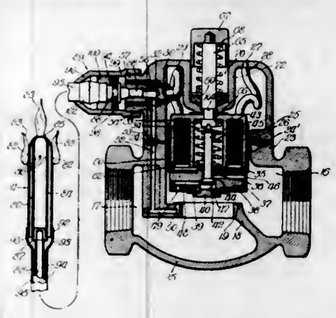
justable on said rolled portion, an outlet box having an aperture for freely receiving the lower portion of said stud, the lower portion of said stud being externally screw threaded, and a nut engaging said stud for clamping said outlet box between said nut and said rolled portion and thereby clamping said stud with respect to said rolled portion.

2,271,505
AUTOMOTIVE VEHICLE
Joachim Kolbe, Detroit, Mich.
Application June 19, 1939, Serial No. 279,845
13 Claims. (Cl. 280—112)



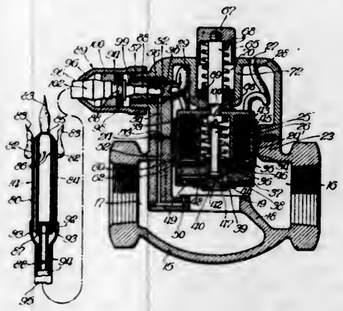
5. In a vehicle having front and rear wheel supporting means, a superstructure, connecting means comprising front and rear paired angularly inclined links directly interconnecting the wheel supporting means and superstructure whereby the superstructure may assume an inclined or banked position relative to the wheel supporting means under the influence of lateral forces, paired generally longitudinally extending members interconnecting the wheel supporting means and superstructure, oppositely disposed crank arms carried by two of said longitudinally extending members, and connecting means between said crank arms to induce the superstructure to assume substantially uniform lateral movement relative to the front and rear wheel supporting means accompanied by a shortening of the distance between the front and rear wheel supporting means.

2,271,506
THERMOELECTRIC SAFETY DEVICE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 8, 1937, Serial No. 119,557
9 Claims. (Cl. 158—117.1)



1. A thermocouple and pilot burner, comprising an inner metallic tubular thermocouple member, an outer metallic tubular thermocouple member surrounding said inner thermocouple member and joined to said inner thermocouple member to form a thermal junction adapted to be heated, said inner and outer thermocouple members having ports through which fuel is adapted to issue to maintain a flame adjacent said junction, an inner tubular lead conductor joined to said inner thermocouple member and adapted to supply fuel into said inner thermocouple member, said inner tubular lead conductor constituting a thermoelectric lead conductor for the inner thermocouple member, and an outer tubular lead conductor enclosing the inner lead conductor and joined to the outer thermocouple member and constituting a thermoelectric lead conductor for the outer tubular thermocouple member.

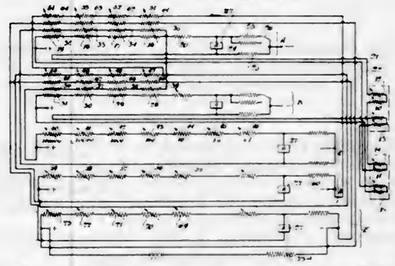
2,271,507
THERMOCOUPLE LEAD CONNECTER
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application January 8, 1937, Serial No. 119,557. Divided and this application July 24, 1939, Serial No. 286,092
1 Claim. (Cl. 158—117.1)



In combination, a thermoelectric safety device having an electromagnet and a housing provided with a fuel supply passageway, a terminal stud extending from said housing and connected in

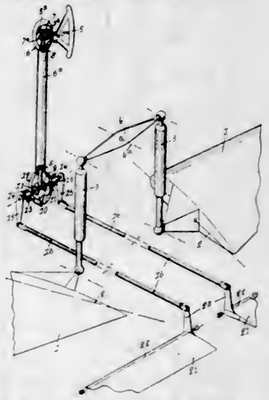
circuit with one side of said electromagnet, a tubular terminal member connected in circuit with the other side of said electromagnet and disposed within and insulated from said terminal stud, a combined pilot burner and thermocouple comprising a pair of thermocouple members joined to form a thermal junction adapted to be heated by the pilot burner, an outer tubular lead conductor joined to one of said thermocouple members, an inner tubular lead conductor extending through said outer tubular lead conductor, said inner lead conductor being insulated from said outer tubular lead conductor and joined to the other thermocouple member and adapted for supplying fuel to the pilot burner, and a metallic attaching nut on said outer tubular lead conductor and adapted for quick detachable engagement with said terminal stud to secure the inner end of said inner lead conductor in good quick detachable contact with the terminal member disposed within said terminal stud, also in fuel tight connection with the fuel supply passageway in said housing and serving to connect the outer lead conductor in circuit with the electromagnet.

2,271,508
CALCULATING DEVICE
George H. Gordon, New York, N. Y., assignor, by mesne assignments, to Carter R. Leidy
Application August 4, 1939, Serial No. 288,279
9 Claims. (Cl. 235—61)



1. A calculating device comprising a resistance bridge circuit having opposed arms, means for varying the resistance in one arm of said bridge circuit in equal amounts corresponding to a unit of numerical value, means for varying the resistance in another opposed arm in amounts corresponding to said unit of numerical value, a second resistance bridge circut having opposed arms, means for varying the resistance in one arm of said second bridge circuit in equal amounts corresponding to said unit of numerical value, means for varying the resistance in another opposed arm of the second bridge circuit in amounts corresponding to said unit of numerical value, means responsive to inequalities in each of said bridge circuits for actuating the means for varying the resistance in the said another arms of said first and second bridge circuit to equalize the resistances in the arms of said bridge circuits; a third bridge circuit having opposed arms, means actuated by the means responsive to inequalities in each of said first and second bridge circuits for varying the resistance in one arm of the third bridge circuit to maintain it equal to the sum of the resistances in said other arms of said first and second bridge circuits, means for varying the resistance in another opposed arm of said third bridge circuit, means responsive to inequalities in resistance in the arms of the third bridge circuit for actuating the means for varying the resistance in said another arm to equalize the resistances in said arms.

2,271,509
LATERAL CONTROL MEANS FOR FLYING MACHINES WITH PIVOTED WINGS
Roger Léger Marie Fernand Rouanet and François Victor André Joseph Rey, Paris, France
Application April 8, 1939, Serial No. 266,810
In France April 12, 1938
10 Claims. (Cl. 244—83)

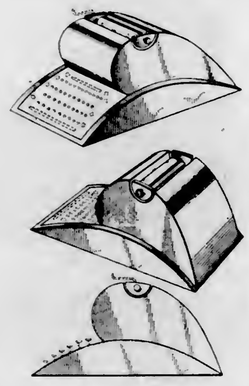


3. In a flying machine, the combination with a central body, of two supporting wings each of which is adapted to pivot relatively to said central body about an axis which is oblique to the longitudinal plane of symmetry of said central body, elastic means for normally maintaining the wings in a position of equilibrium, ailerons carried by said wings and an elevator carried by said central body and control means adapted to selectively impart either differential deflecting movements in opposite directions to both said flaps and ailerons, or deflecting movements in the same direction to said flaps only, said control means including an elongated casing pivoted at one end to said central body about a transverse axis perpendicular to the longitudinal plane of symmetry of the central body, a differential mechanism including two sun wheels rotatable about said transverse axis and connected in rotation to said flaps, a first shaft extending longitudinally of said casing and supported thereby, a planetary pinion meshing with said two sun wheels and keyed to said first shaft, a control wheel rotatably supported at the free end of said casing and connected in rotation to said first shaft, a second shaft normally in line with said first shaft and rotatably supported by said central body, an universal joint whose centre is located on said transverse axis for connecting together the adjacent ends of said first and said second shaft, and a control gear between said second shaft and said ailerons for deflecting said ailerons in opposite directions when said second shaft is rotated about its axis through said first shaft and said control wheel.

DESIGNS

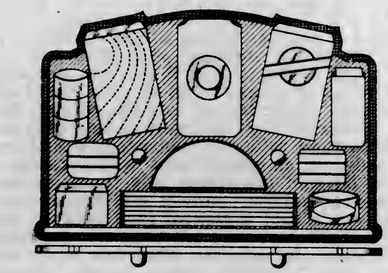
JANUARY 27, 1942

131,192
DESIGN FOR A TYPEWRITER
Jack Barofsky, Los Angeles, Calif.
Application May 9, 1941, Serial No. 100,882
Term of patent 14 years



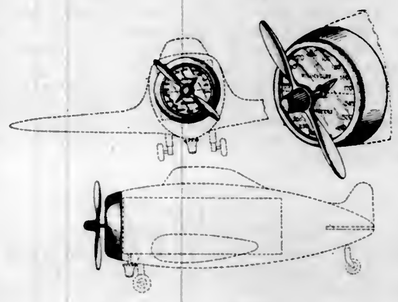
The ornamental design for a typewriter, as shown and described.

131,193
DESIGN FOR A RADIO PANEL
Herman Dean, Borger, Tex.
Application September 3, 1941, Serial No. 103,146
Term of patent 3½ years



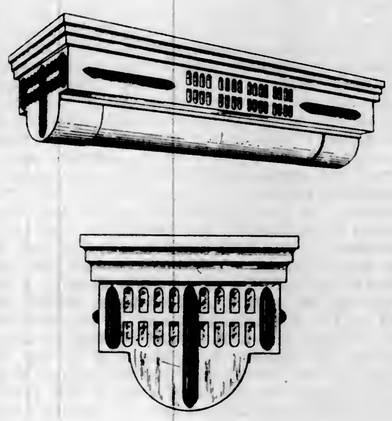
The ornamental design for a radio panel, as shown and described.

131,194
DESIGN FOR A RADIO CABINET OR THE LIKE
Lester K. Franklin, Los Angeles, Calif.
Application July 5, 1941, Serial No. 101,922
Term of patent 7 years



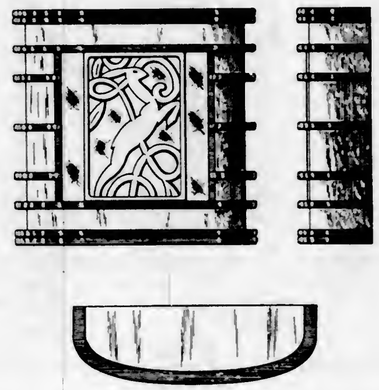
The ornamental design for a radio cabinet or the like, as shown and described.

131,195
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Carl F. Haas, Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application December 5, 1941, Serial No. 104,497
Term of patent 14 years



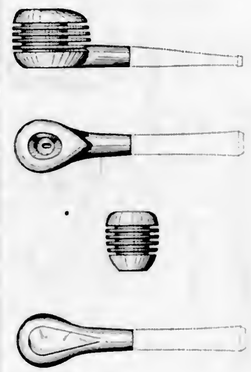
The ornamental design for a lighting fixture or similar article, as shown.

131,196
DESIGN FOR A CABINET FOR A LOUD-SPEAKER
Vern Kraus, Cleveland, Ohio
Application July 10, 1941, Serial No. 102,013
Term of patent 3½ years



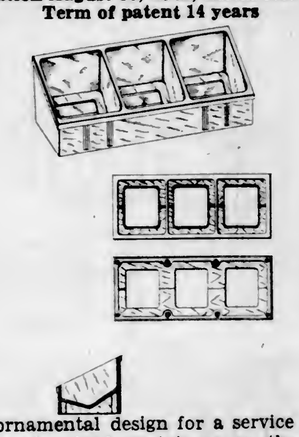
The ornamental design for a cabinet for a loud-speaker, substantially as shown.

131,197
DESIGN FOR AN AIR FINNED SMOKING PIPE
Wayne Leser, South Ozone Park, N. Y.
Application September 3, 1941, Serial No. 103,140
Term of patent 14 years



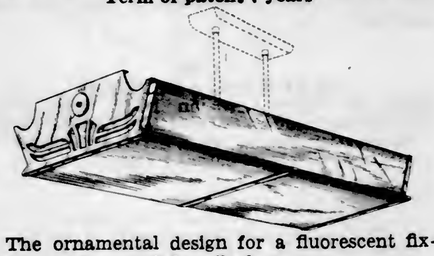
The ornamental design for an air finned smoking pipe, substantially as shown and described.

131,198
DESIGN FOR A SERVICE AND DISPLAY TRAY FOR FOOD CONTAINERS OR THE LIKE
John H. Limpert, New York, N. Y., and Gregory H. Limpert, Vineland, N. J.
Application August 30, 1941, Serial No. 103,122
Term of patent 14 years



The ornamental design for a service and display tray for food containers or the like, as shown.

131,199
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Bernard A. Mitchell, Chicago, Ill.
Application December 4, 1941, Serial No. 104,458
Term of patent 7 years



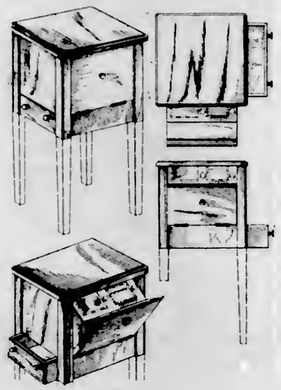
The ornamental design for a fluorescent fixture, as shown and described.

131,200
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Frances Stephens, New York, N. Y.
Application November 18, 1941, Serial No. 104,186
Term of patent 14 years



The ornamental design for a book cover or similar article, substantially as shown, and described.

131,201
DESIGN FOR A COMBINED RADIO AND BEDSIDE TABLE
Ervin H. Thompson, New York, N. Y.
Application May 8, 1941, Serial No. 100,840
Term of patent 7 years



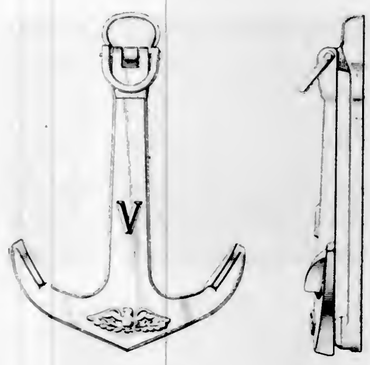
The ornamental design for a combined radio and bedside table, substantially as shown and described.

131,202
DESIGN FOR A HUMIDOR
James V. Vevirit, Lewiston, N. Y., assignor to McDonald Products Corporation, Buffalo, N. Y.
Application May 16, 1941, Serial No. 100,986
Term of patent 7 years



The ornamental design for a humidor, as shown.

131,203
DESIGN FOR A DOOR KNOCKER
Charles C. Beach, Miami, Fla.
Application October 13, 1941, Serial No. 103,755
Term of patent 14 years



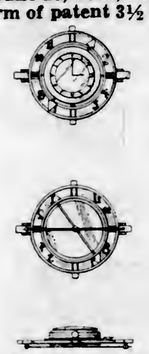
The ornamental design for a door knocker, as shown.

131,204
DESIGN FOR A RUBBER BOOT
George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application June 13, 1941, Serial No. 101,446
Term of patent 3½ years



The ornamental design for a rubber boot, substantially as shown.

131,205
DESIGN FOR AN APPOINTMENT WATCH PIN OR SIMILAR ARTICLE
Abraham Fingerhut, New York, N. Y.
Application June 10, 1941, Serial No. 101,374
Term of patent 3½ years



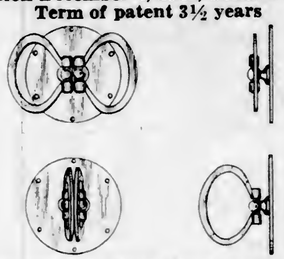
The ornamental design for an appointment watch pin or similar article, substantially as shown.

131,206
DESIGN FOR A CLOCK FACE OR SIMILAR ARTICLE
Florence Virginia Hodge, Overland Park, Kans.
Application June 11, 1941, Serial No. 101,407
Term of patent 14 years



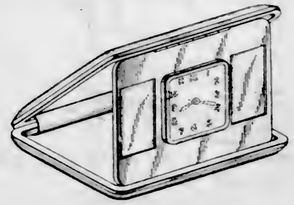
The ornamental design for a clock face or similar article, as shown.

131,207
DESIGN FOR A BUTTON
Sol Holstein, New York, N. Y.
Application December 4, 1941, Serial No. 104,462
Term of patent 3½ years



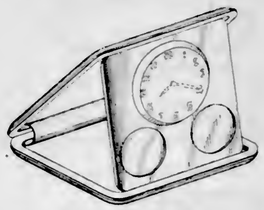
The ornamental design for a button, substantially as shown.

131,208
DESIGN FOR A COMBINED CLOCK AND PICTURE-HOLDING CASE
Samuel J. Kauffman, New York, N. Y.
Application April 15, 1941, Serial No. 100,389
Term of patent 3½ years



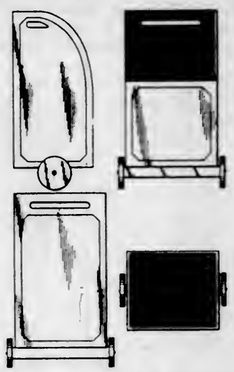
The ornamental design for a combined clock and picture-holding case, substantially as shown and described.

131,209
DESIGN FOR A COMBINED CLOCK AND PICTURE-HOLDING CASE
Samuel J. Kauffman, New York, N. Y.
Application April 15, 1941, Serial No. 100,390
Term of patent 3½ years



The ornamental design for a combined clock and picture-holding case, substantially as shown and described.

131,210
DESIGN FOR A PACKAGE CART
James A. Moreing, San Francisco, Calif.
Application January 15, 1941, Serial No. 98,066
Term of patent 3½ years



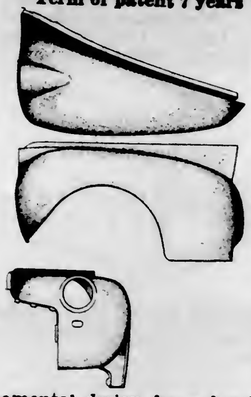
The ornamental design for a package cart, as shown and described.

131,211
DESIGN FOR A SHOE
Harry Sobel, Los Angeles, Calif.
Application November 25, 1941, Serial No. 104,324
Term of patent 3½ years



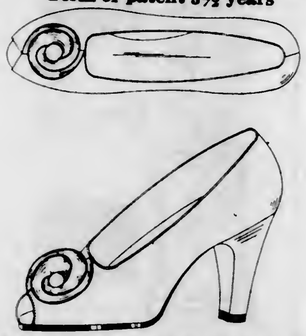
The ornamental design for a shoe, substantially as shown and described.

131,212
DESIGN FOR A FRONT FENDER FOR AN AUTOMOBILE
Ronald J. Waterbury, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 27, 1941, Serial No. 99,260
Term of patent 7 years



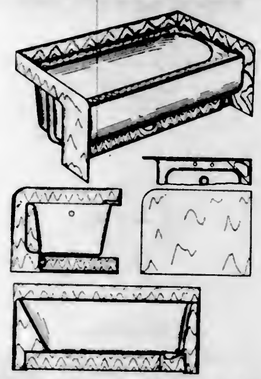
The ornamental design for a front fender for an automobile, as shown.

131,213
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Wolock, New York, N. Y.
Application December 1, 1941, Serial No. 104,415
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,214
DESIGN FOR A BATHTUB
David E. Anderson, Los Angeles, Calif.
Application October 22, 1941, Serial No. 103,867
Term of patent 14 years



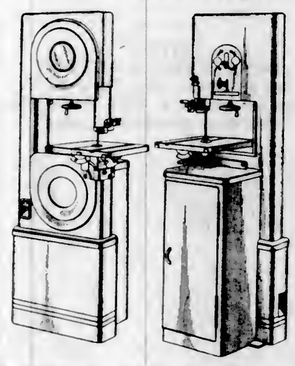
The ornamental design for a bath tub, as shown.

131,215
DESIGN FOR A LACE
Ernest N. Birch, Elyria, Ohio
Application December 29, 1941, Serial No. 104,889
Term of patent 3½ years



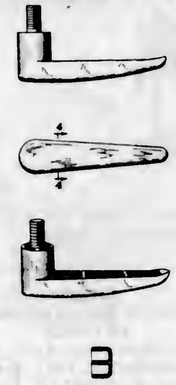
The ornamental design for a lace, substantially as shown and described.

131,216
DESIGN FOR A BAND SAW
William B. Boice and John E. Boice, Toledo, Ohio
Application June 3, 1941, Serial No. 101,270
Term of patent 14 years



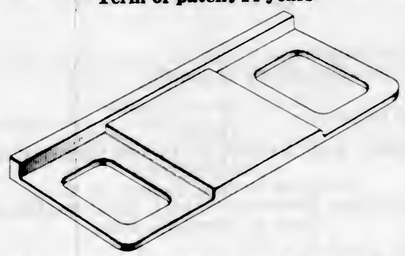
The ornamental design for a band saw, substantially as shown.

131,217
DESIGN FOR A DOOR HANDLE
Francis F. Braun, Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application November 22, 1941, Serial No. 104,267
Term of patent 14 years



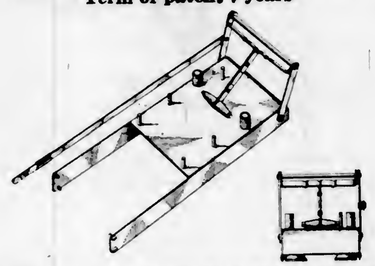
The ornamental design for a door handle, as shown.

131,218
DESIGN FOR A RANGE TOP
Almer H. Brodbeck, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application June 27, 1941, Serial No. 101,753
Term of patent 14 years



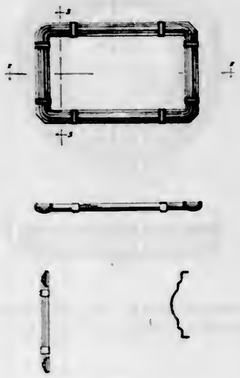
The ornamental design for a range top as shown.

131,219
DESIGN FOR A SLIP SHEET INSERTER
Raymond C. Casanov, Chicago, Ill.
Application June 13, 1941, Serial No. 101,447
Term of patent 7 years



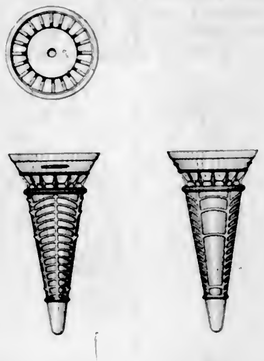
The ornamental design for a slip sheet inserter, as shown.

131,220
DESIGN FOR A FRAME FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,099
Term of patent 14 years



The ornamental design for a frame for a display board or the like, substantially as shown.

131,221
DESIGN FOR AN ICE CREAM CONE
Ernest A. Hamwi, St. Louis, Mo.
Application November 29, 1941, Serial No. 104,397
Term of patent 3½ years



The ornamental design for an ice cream cone, as shown and described.

131,222
DESIGN FOR AN ELECTRIC WREATH OR SIMILAR ARTICLE
David J. Kelman, Brooklyn, N. Y.
Application March 25, 1941, Serial No. 99,860
Term of patent 7 years



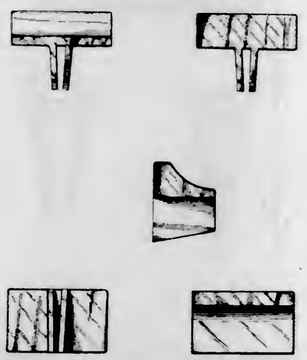
The ornamental design for an electric wreath or similar article, substantially as shown and described.

131,223
DESIGN FOR A HANDLE FOR A HAIR TRIMMING DEVICE
Harrison Lewis, San Francisco, Calif.
Application November 12, 1941, Serial No. 104,116
Term of patent 14 years



The ornamental design for a handle for a hair trimming device, as shown.

131,224
DESIGN FOR A KNIFE HAND GUARD
Joseph L. Parisi, Buffalo, N. Y.
Application November 24, 1941, Serial No. 104,287
Term of patent 7 years



The ornamental design for a knife hand guard, as shown.

131,225
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marie Petit, New York, N. Y.
Application November 22, 1941, Serial No. 104,252
Term of patent 3½ years



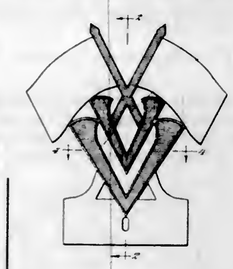
The ornamental design for a brooch or similar article, substantially as shown.

131,226
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marie Petit, New York, N. Y.
Application November 22, 1941, Serial No. 104,253
Term of patent 3½ years



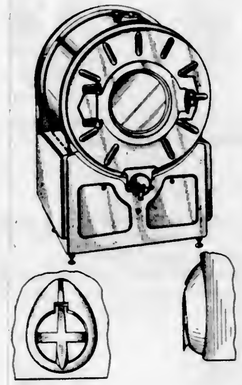
The ornamental design for a brooch or similar article, substantially as shown.

131,227
DESIGN FOR A DISPLAY PLATE FOR USE ON AUTOMOBILES
Abraham Plotkin, Buffalo, N. Y.
Application December 12, 1941, Serial No. 104,601
Term of patent 3½ years



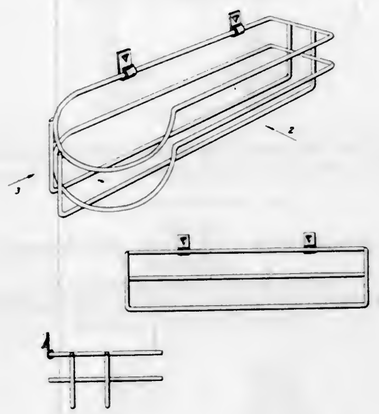
The ornamental design for a display plate for use on automobiles, substantially as shown.

131,228
DESIGN FOR A WASHING MACHINE
Arthur P. Schulz, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application May 31, 1940, Serial No. 92,707
Term of patent 14 years



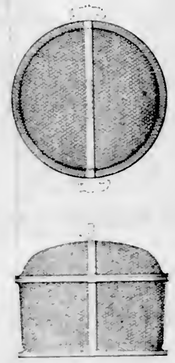
The ornamental design for a washing machine, substantially as shown and described.

131,229
DESIGN FOR A RACK FOR SPICE CONTAINERS OR THE LIKE
Elizabeth Allen, Detroit, Mich.
Application September 6, 1940, Serial No. 94,833
Term of patent 3½ years



The ornamental design for a rack for spice containers or the like, as shown.

131,230
DESIGN FOR A SAUCE PAN OR SIMILAR ARTICLE
Clair Jacob Amick, Los Angeles, Calif., assignor to Century Metalcraft Corporation, Chicago, Ill., a corporation of Delaware
Application October 15, 1940, Serial No. 95,857
Term of patent 14 years



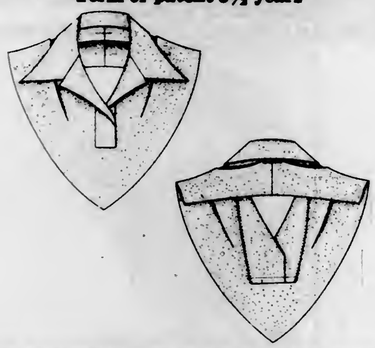
The ornamental design for a sauce pan or similar article, as shown.

131,231
DESIGN FOR A BOOT
William E. Austin, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application June 6, 1941, Serial No. 101,329
Term of patent 14 years



The ornamental design for a boot, as shown.

131,232
DESIGN FOR A DICKEY
Howard J. Levi, New York, N. Y.
Application December 6, 1941, Serial No. 104,505
Term of patent 3½ years



The ornamental design for a dickey, substantially as shown.

131,233
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application December 17, 1941, Serial No. 104,675
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,234
DESIGN FOR A PIN CLIP
David Mir, New York, N. Y.
Application December 23, 1941, Serial No. 104,798
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,235
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 17, 1941, Serial No. 104,669
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,236
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 17, 1941, Serial No. 104,670
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,237
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 17, 1941, Serial No. 104,672
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,238
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,776
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,239
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,777
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,240
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,778
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,241
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,779
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,242
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,780
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,243
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 23, 1941, Serial No. 104,801
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,244
DESIGN FOR A DRESS
Maxwell A. Rudolph, New York, N. Y.
Application December 11, 1941, Serial No. 104,575
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

131,245
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application December 17, 1941, Serial No. 104,673
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,246
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application December 23, 1941, Serial No. 104,795
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,247
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application December 23, 1941, Serial No. 104,796
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,248
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application December 23, 1941, Serial No. 104,797
Term of patent 3½ years



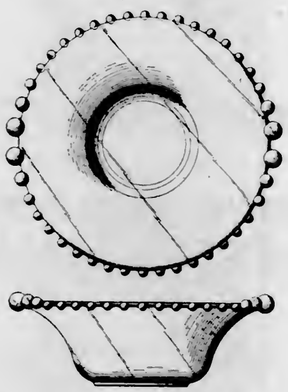
The ornamental design for a brooch or similar article, substantially as shown.

131,249
DESIGN FOR A JEWELRY FINDING
Theodore C. Steinman, New York, N. Y., assignor to The Committee for the Celebration of the President's Birthday for the National Foundation for Infantile Paralysis, Inc., New York, N. Y.
Application December 17, 1941, Serial No. 104,677
Term of patent 3½ years



The ornamental design for a jewelry finding, substantially as shown.

131,250
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Carl J. Uhrmann, Bellaire, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application May 24, 1941, Serial No. 101,125
Term of patent 14 years



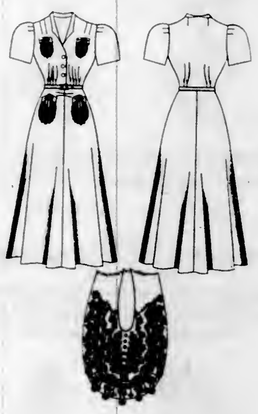
The ornamental design for a bowl or similar article, substantially as shown and described.

131,251
DESIGN FOR A DRESS
David E. Gottlieb, New York, N. Y.
Application December 11, 1941, Serial No. 104,576
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

131,252
DESIGN FOR A DRESS
David E. Gottlieb, New York, N. Y.
Application December 23, 1941, Serial No. 104,794
Term of patent 3½ years



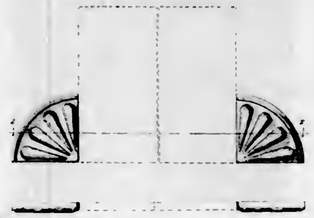
The ornamental design for a dress, substantially as shown and described.

131,253
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application December 31, 1941, Serial No. 104,931
Term of patent 3½ years



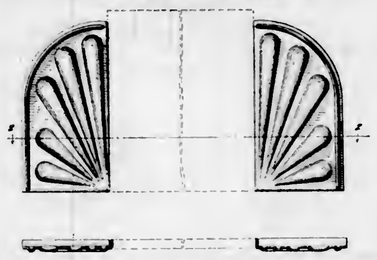
The ornamental design for a textile fabric, substantially as shown and described.

131,254
DESIGN FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,093
Term of patent 14 years



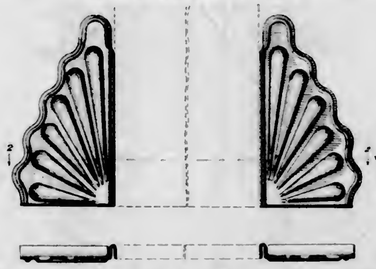
The ornamental design for a display board or the like, substantially as shown and described.

131,255
DESIGN FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,094
Term of patent 14 years



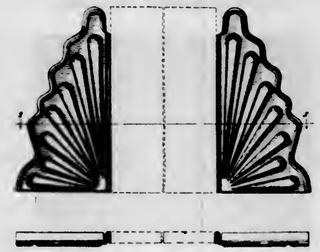
The ornamental design for a display board or the like, substantially as shown and described.

131,256
DESIGN FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,095
Term of patent 14 years



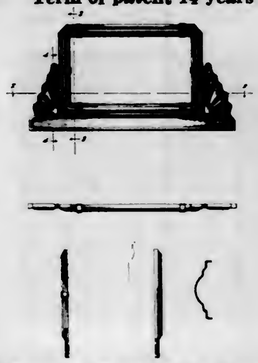
The ornamental design for a display board or the like, substantially as shown and described.

131,257
DESIGN FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,096
Term of patent 14 years



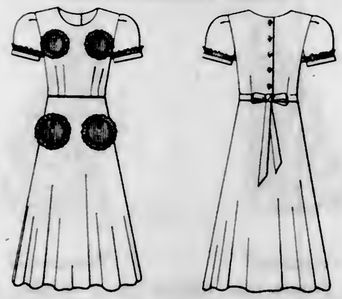
The ornamental design for a display board or the like, substantially as shown and described.

131,258
DESIGN FOR A FRAME FOR A DISPLAY BOARD OR THE LIKE
John Bascom Dey, Lynchburg, Va.
Application May 22, 1941, Serial No. 101,098
Term of patent 14 years



The ornamental design for a frame for a display board or the like, substantially as shown.

131,259
DESIGN FOR A DRESS
Samuel J. Goldfarb, New York, N. Y.
Application November 25, 1941, Serial No. 104,331
Term of patent 3½ years



The ornamental design for a dress, as shown.

131,260
DESIGN FOR A NEEDLEPOINT TAPESTRY FABRIC OR SIMILAR ARTICLE
Ida Jolles, New York, N. Y.
Application December 31, 1941, Serial No. 104,928
Term of patent 3½ years



The ornamental design for a needlepoint tapestry fabric or similar article, substantially as shown.

131,261
DESIGN FOR A NEEDLEPOINT TAPESTRY FABRIC OR SIMILAR ARTICLE
Ida Jolles, New York, N. Y.
Application December 31, 1941, Serial No. 104,929
Term of patent 3½ years



The ornamental design for a needlepoint tapestry fabric or similar article, substantially as shown.

131,262
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application December 17, 1941, Serial No. 104,674
Term of patent 3½ years



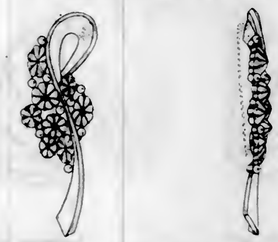
The ornamental design for a brooch or similar article, substantially as shown.

131,263
DESIGN FOR A TEXTILE FABRIC
Sara Kay, New York, N. Y.
Application December 31, 1941, Serial No. 104,934
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,264
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 17, 1941, Serial No. 104,668
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,265
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 17, 1941, Serial No. 104,671
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,266
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,773
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,267
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,774
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,268
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 20, 1941, Serial No. 104,775
Term of patent 3½ years



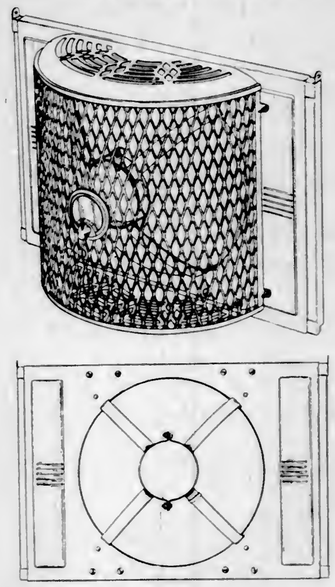
The ornamental design for a brooch or similar article, substantially as shown.

131,269
DESIGN FOR A TEXTILE FABRIC
Michael Angelo Susi, New York, N. Y.
Application December 31, 1941, Serial No. 104,932
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,270
DESIGN FOR A WINDOW VENTILATOR HOUSING
Viktor Schreckengost, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1941, Serial No. 101,204
Term of patent 7 years



The ornamental design for a window ventilator housing, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Drugs for application at the site of an infection or potential infection. Serial No. 448,842; Jan. 6. Class 6.

Aircraft Industries Corporation, Tenafly, N. J. Cutting attachments for machine tools, fixtures for assembling machine parts, and stamping and cutting dies. Serial No. 447,420; Jan. 6. Class 23.

American Maize-Products Company, New York, N. Y. Laundry starch. Serial No. 448,596; Jan. 6. Class 6.

Automatic Instrument Company, Chicago, Ill. Combination coin-operated phonographs, and talking picture machines. Serial No. 447,929; Jan. 6. Class 26.

Aviation Manufacturing Corporation, New York, N. Y., Wayne, Mich., Nashville, Tenn., and Williamsport, Pa. Airplanes and structural parts thereof. Serial No. 435,112; Jan. 6. Class 19.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. Serial No. 447,779; Jan. 6. Class 17.

Baron & Arnof, Inc., New York, N. Y. Banks. Serial No. 447,681; Jan. 6. Class 25.

Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Liquid combination automobile body polish and cleaner. Serial No. 448,028; Jan. 6. Class 16.

Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Hydraulic pumps and rolling mill supplies including cast iron, cast steel, and alloy steel rolls. Serial Nos. 447,386–7; Jan. 6. Class 23.

Bonat, Samuel, & Bro., New York, N. Y. Permanent hair waving solution and permanent hair waving cream. Serial No. 446,015; Jan. 6. Class 6.

Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 447,931; Jan. 6. Class 39.

Bourjois, Inc., New York, N. Y. Perfume, eau parfumee, face powder, talcum powder, bath powder, lipstick, rouge, etc. Serial No. 448,544; Jan. 6. Class 6.

Bourjois, Inc., New York, N. Y. Perfume, eau parfumee, face powder, talcum powder, bath powder, etc. Serial No. 448,720; Jan. 6. Class 6.

Bourjois, Inc., New York, N. Y. Evening handbags. Serial No. 448,997; Jan. 6. Class 3.

Brittany Hat Co., Inc., New York, N. Y. Hats, hat linings, sweat bands, and caps. Serial No. 441,276; Jan. 6. Class 39.

Caerlee Mills Knitting Co. Limited, The, Peebles, Scotland. Sweaters, jerseys, cardigan jackets, etc. Serial No. 443,153; Jan. 6. Class 39.

Camloc Fastener Company, New York, N. Y. Rotatable stud separable fasteners. Serial No. 447,865; Jan. 6. Class 13.

Carhoff Company, Cleveland Heights, Ohio. Preparation for use on glass, lenses, reflectors, windshields, goggles, physicians' or dentists' instruments, etc. Serial No. 448,243; Jan. 6. Class 6.

Carle, John, & Sons, Inc., New York, N. Y. Disinfectant. Serial No. 446,042; Jan. 6. Class 6.

Carnation Company, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash. Eggs. Serial No. 447,011; Jan. 6. Class 46.

Carr, James W., Savannah, Ga. Chemical wood preservatives. Serial No. 440,618; Jan. 6. Class 6.

Caulk, L. D., Company, The, Milford, Del. Plastic material for the construction of crowns, inlays, and bridges. Serial No. 448,493; Jan. 6. Class 44.

Celanese Corporation of America, New York, N. Y. Staple fibers made wholly or partially of cellulose derivatives. Serial No. 447,683; Jan. 6. Class 1.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods of silk and silk mixtures. Serial No. 447,693; Jan. 6. Class 42.

Chicago Mail Order Company, Chicago, Ill. Shoes. Serial No. 443,747; Jan. 6. Class 39.

Chicago Mail Order Company, Chicago, Ill. Men's leather shoes and hats. Serial No. 446,616; Jan. 6. Class 39.

Chief Weavers, Inc., Albuquerque, N. Mex. Hand woven neckties. Serial No. 448,217; Jan. 6. Class 39.

Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Electric hoists. Serial No. 446,173; Jan. 6. Class 21.

Dache, Lilly, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, suntan oil, etc. Serial No. 446,650; Jan. 6. Class 6.

Dairyland Co-operative Association, Juneau, Wis. Evaporated milk. Serial No. 448,499; Jan. 6. Class 46.

Delrose Laboratory. (See Pastor, Vincent.)

Denicron Corporation, Carlisle, Pa. Carpets, rugs, draperies, etc. Serial No. 443,156; Jan. 6. Class 42.

Diadem, Inc., Leominster, Mass. Luminous hair retainers. Serial No. 447,200; Jan. 6. Class 40.

Energetic Worsted Corporation, Bridgeport, Pa. Worsted and other threads and yarns. Serial No. 448,248; Jan. 6. Class 43.

Esquire, Inc., Chicago, Ill. Playing cards. Serial No. 448,965; Jan. 6. Class 22.

Famous-Barr Company. (See May Department Stores Company, The.)

Fish & Co., Inc., Syracuse, N. Y. Sweaters, skirts, blouses, etc. Serial No. 446,321; Jan. 6. Class 39.

Flare Laboratories. (See Bell Company, The.)

Fruitvale Canning Company, Oakland, Calif. Canned foods—namely, canned fruits. Serial No. 448,556; Jan. 6. Class 46.

General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof used in photographic processes. Serial Nos. 448,724–5; Jan. 6. Class 6.

Glaser Lead Company, Inc., Brooklyn, N. Y. Hot tinning compound. Serial No. 432,468; Jan. 6. Class 6.

Gray & Dudley Company, Nashville, Tenn. Solid and fluid fuel and electric cooking ranges, and oil-burning space heaters, furnaces and water heaters. Serial No. 447,609; Jan. 6. Class 34.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready mixed paints, paint enamels, and varnishes. Serial No. 447,805; Jan. 6. Class 16.

Haines City Citrus Growers Association, Haines City, Fla. Fresh citrus fruit. Serial No. 448,137; Jan. 6. Class 46.

Harrisburg Engineering Company, Fort Worth, Tex. Slush pump liners, slush pump rods and unions. Serial No. 442,526; Jan. 6. Class 23.

Hecker Products Corporation, New York, N. Y. Breakfast cereals. Serial Nos. 448,292–3; Jan. 6. Class 46.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Nail polish. Serial No. 448,431; Jan. 6. Class 6.

Hetson-Sommers Co., Inc., Brooklyn, N. Y. Transparent liquid waterproof coating for plywood, lumber, and concrete. Serial No. 440,414; Jan. 6. Class 16.

Hilliard Corporation, The, Elmira, N. Y. Reclaiming and filtering apparatus. Serial No. 449,050; Jan. 6. Class 31.

Hirsch, S. H. (See Henry, Sidney.)

House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, bath powder, talcum powder, sachet powder, and bubble foam powder. Serial No. 448,558; Jan. 6. Class 6.

Hovland-Leslie Co., Chicago, Ill. Hats. Serial No. 444,571; Jan. 6. Class 39.

Huval Baking Company, Inc., Lafayette, La. Bread. Serial No. 447,943; Jan. 6. Class 46.

Insuline Corp. of America, Inc., Long Island City, N. Y. Radio receiving sets and electrical parts therefor, such as electric insulators, panels, etc. Serial No. 446,359; Jan. 6. Class 21.

Jack Rabbit Company, Spartanburg, S. C. Photographs and photographic prints. Serial No. 444,683; Jan. 6. Class 38.

James Manufacturing Company, Fort Atkinson, Wis. Farm buildings—namely, unassembled or knocked down. Serial No. 447,482; Jan. 6. Class 12.

Jeeps Incorporated, Chicago, Ill. Dresses. Serial No 447,740; Jan. 6. Class 39.

Jo-Do Specialty Company. (See Kosvich, Bess.)

Kats, Morris, doing business as Manhattan Bootblack Supply Co., New York, N. Y. Hair nets. Serial No. 445,871; Jan. 6. Class 39.

Kaufman, Solomon, doing business as Semca Co., New York, N. Y. Watches and clocks and parts thereof. Serial No. 447,810; Jan. 6. Class 27.

Kinnucan, Walter F., doing business as Letter Fly Company, Chicago, Ill. Merchandise envelopes, cartons, and mailing tubes. Serial No. 435,549; Jan. 6. Class 2.

Kleistone Rubber Co., Inc., Warren, R. I. Arch cushions, heel cushions, heel levelers, etc. Serial No. 448,973; Jan. 6. Class 44.

Knapp-Monarch Company, St. Louis, Mo. Hair clippers and electric shavers. Serial No. 447,741; Jan. 6. Class 23.

Knapp-Monarch Company, doing business as Kwikway Company, St. Louis, Mo. Electric heating pads and electric sun lamps. Serial No. 443,331; Jan. 6. Class 44.

Kosher Desserts, Inc., New York, N. Y. Gelatines and gelatine desserts. Serial No. 446,881; Jan. 6. Class 46.

Kosvich, Bess., doing business as Jo-Do Specialty Company, New York, N. Y. Shower and make-up caps. Serial No. 447,290; Jan. 6. Class 39.

Krieger Oil Co. of California, Clearwater, Calif. Petroleum products, particularly motor oils, gasolines, Diesel fuels, etc. Serial No. 448,512; Jan. 6. Class 15.

Kwikway Company. (See Knapp-Monarch Company.)

Letter Fly Company. (See Kinnucan, Walter F.)

Little, M. S., Manufacturing Co., The, Hartford, Conn. Sink and tray wastes and traps and parts thereof. Serial No. 448,454; Jan. 6. Class 13.
Look, Inc., Des Moines, Iowa. Section of a magazine. Serial No. 447,748; Jan. 6. Class 38.
Manhattan Bootblack Supply Co. (See Katz, Morris.)
Marshall Field & Company, Chicago, Ill. Neckties. Serial No. 447,734; Jan. 6. Class 39.
Marshall Field & Company, Chicago, Ill. Lace curtains. Serial No. 448,506; Jan. 6. Class 42.
Maury-Young Company, Charlestown, Boston, Mass. Floor dressing. Serial No. 448,329; Jan. 6. Class 16.
May Department Stores Company, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Rubber gloves. Serial No. 447,885; Jan. 6. Class 39.
McGraw, P., Wool Company, The, Pittsburgh, Pa. Worsted and other threads and yarns. Serial No. 448,259; Jan. 6. Class 43.
McLaughlin, Ward & Company, Jackson, Mich. Dog foods, poultry foods, stock feeds, dairy feeds, horse feeds, cattle feeds, etc. Serial No. 437,448; Jan. 6. Class 46.
Miller, Charles F., Company, The, Cincinnati, Ohio. Whiskey. Serial No. 438,954; Jan. 6. Class 49.
Militar Distributing Co., New York, N. Y. Toilet kits covered with khaki cloth and containing a series of pockets for toilet articles. Serial No. 448,084; Jan. 6. Class 3.
Minnesota and Ontario Paper Company, Minneapolis and International Falls, Minn. Printing paper, writing paper, book paper, newsprint paper. Serial No. 447,753; Jan. 6. Class 37.
Mooresville Cotton Mills, Mooresville, N. C. Mixed cotton and rayon piece goods, wool and cotton piece goods, and woolen piece goods, etc. Serial No. 448,260; Jan. 6. Class 42.
Morse & Morse, Los Angeles, Calif. Ladies' lingerie—namely, pantics. Serial No. 448,619; Jan. 6. Class 39.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton ducks, water-proof ducks, and cotton piece goods. Serial No. 448,391; Jan. 6. Class 42.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 447,707; Jan. 6. Class 27.
Multi Products Co. (See Protectoseal Company of America, Inc.)
Myrtle Knitting Mills, Incorporated, Unionville, Conn. Jackets. Serial No. 439,761; Jan. 6. Class 39.
National Carbonated Beverage Research Institute, Inc., Atlanta, Ga. Concentrates, syrups, flavors, compounds, and extracts. Serial No. 446,660; Jan. 6. Class 45.
National Copper Paint Corporation, Chicago, Ill. Protective coating for selective carburizing and for the protection of metals. Serial No. 448,702; Jan. 6. Class 6.
National Copper Paint Corporation, Chicago, Ill. Protective coating for heat treating metals. Serial No. 448,703; Jan. 6. Class 6.
Neville Company, The, Neville Island, Pittsburgh, Pa. Liquid hydrocarbon solvents. Serial No. 448,057; Jan. 6. Class 16.
New York & Pennsylvania Company, Inc., New York, N. Y. Printing paper, electric paper, parchment paper, etc. Serial No. 445,952; Jan. 6. Class 37.
Niagara Smelting Corporation, Niagara Falls and New York, N. Y. Cleaning fluid for clothing and other fabrics. Serial No. 441,832; Jan. 6. Class 4.
Nile Undergarment Co., New York, N. Y. Ladies' and children's apparel—namely, slips, vests, panties, etc. Serial No. 444,941; Jan. 6. Class 39.
North American Aviation, Inc., Inglewood, Calif. Periodical. Serial No. 447,849; Jan. 6. Class 38.
North American Dye Corporation, Mount Vernon, N. Y. Leather dressing. Serial No. 448,455; Jan. 6. Class 4.
O'Neil, M., Co., The. (See May Department Stores Company, The.)
Paraloy Co., The. (See Williamson, F. E.)
Parker Appliance Company, The, Cleveland, Ohio. Tube bending machines. Serial No. 446,923; Jan. 6. Class 23.
Pastor, Vincent, doing business as Delrose Laboratory, Morton Grove, Ill. Salve used for the treatment of athlete's foot. Serial No. 446,464; Jan. 6. Class 6.
Pearson, Leon M., Washington, D. C. News columns and special articles. Serial No. 448,332; Jan. 6. Class 38.
Pentrathane Products, Inc., Long Island City, N. Y. Crankcase insulation and other insulating coatings for vehicles. Serial No. 446,176; Jan. 6. Class 12.
Philco Shoe Corporation, Bangor, Maine. Moccasin type shoes. Serial No. 447,761; Jan. 6. Class 39.
Polaroid Corporation, Cambridge, Mass. Transparent organic plastic material. Serial No. 439,555; Jan. 6. Class 50.
Promotions, Inc., Youngstown, Ohio. Dinnerware made of crockery or porcelain. Serial No. 448,521; Jan. 6. Class 30.
Protectoseal Company of America, Inc., doing business as Multi Products Co., Chicago, Ill. Wood fiber novelties, metal specialties, and advertising displays. Serial No. 436,628; Jan. 6. Class 50.
Puget Sound Bulb Exchange, Inc., Sumner, Wash. Flower bulbs. Serial No. 447,711; Jan. 6. Class 1.
Purobar Co., Denver, Colo. Especially compounded chemical product for purifying the air, etc. Serial No. 447,251; Jan. 6. Class 6.
Railway Maintenance Devices. (See Welch, Charles L. J.)
Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings. Serial No. 448,579; Jan. 6. Class 35.
Rhinelander Paper Company, Rhinelander, Wis. Coated glassine paper. Serial No. 447,850; Jan. 6. Class 37.
Roart, Alphonse, Inc., Philadelphia, Pa. Cakes. Serial No. 448,171; Jan. 6. Class 46.
Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors. Serial Nos. 448,583–4; Jan. 6. Class 49.
Roxseal Company, Inc., Long Island City, N. Y. Ready-mixed material for patching and/or resurfacing concrete and other masonry substances. Serial No. 445,181; Jan. 6. Class 12.
Rubber Fabrics Corporation, New York, N. Y. Rubberized waterproof fabrics in the piece. Serial No. 447,851; Jan. 6. Class 50.
Rytex Company, The, Indianapolis, Ind. Writing paper and envelopes. Serial Nos. 447,823–6; Jan. 6. Class 37.
Sakamoto, Tokuichi, doing business as Sakamoto Store, Waikapu, Hawaii. Tonic preparation in liquid form for building up bodily resistance to disease, etc. Serial No. 444,882; Jan. 6. Class 6.
Schenley Distributors, Inc., New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial No. 448,655; Jan. 6. Class 49.
Scherrer, E. C., Inc., New York, N. Y. Synthetic straw braids used in the manufacture of hat bodies. Serial No. 448,303; Jan. 6. Class 40.
Sears, Roebuck and Co., Chicago, Ill. Power tools—namely, portable electric rotary combination tools for drilling, grinding, etc. Serial No. 431,085; Jan. 6. Class 21.
Semca Co. (See Kaufman, Solomon.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations useful as bacteriacides and as antiseptics, etc. Serial No. 448,587; Jan. 6. Class 6.
Snapout Forms Company, The, Chardon, Ohio. Accounting forms, invoices, sales records, etc. Serial No. 442,147; Jan. 6. Class 37.
Sollmann, Carl P., New York, N. Y. Salt and pepper shakers, wooden bowls, etc. Serial No. 445,903; Jan. 6. Class 2.
Southern Friction Materials Company, Charlotte, N. C. Brake linings. Serial No. 448,269; Jan. 6. Class 35.
Spatz Bros., Inc., New York, N. Y. Raincoats. Serial No. 445,398; Jan. 6. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 448,741; Jan. 6. Class 6.
Stamm, Alexander F., doing business as Star Dental Laboratory, Indianapolis, Ind. Dentures and plastic material for making the same. Serial No. 448,624; Jan. 6. Class 44.
Stanley Home Products, Inc., Westfield, Mass. Wax polish for floors, furniture, and woodwork. Serial No. 439,568; Jan. 6. Class 16.
Star Dental Laboratory. (See Stamm, Alexander F.)
Starr, David A., doing business as United Vacuum & Appliance Company, Minneapolis, Minn. Electric vacuum cleaners. Serial No. 447,961; Jan. 6. Class 21.
Stein, Hall & Company, Inc., New York, N. Y. Gum used as a binder and thickener for pigmented substances used in printing fabrics and the like. Serial No. 448,015; Jan. 6. Class 11.
Stevens, J. & J., Company, The, Cromwell, Conn. Toy pistols. Serial No. 448,840; Jan. 6. Class 22.
Stratton & Terstegge Co., Inc., Louisville, Ky. Heating stoves, ranges, cook stoves, etc. Serial No. 448,119; Jan. 6. Class 34.
Stronghold Fastener Company, Inc., New York, N. Y. Slide fasteners. Serial No. 448,590; Jan. 6. Class 13.
Tea Garden Products Co., San Francisco, Calif. Grape juice. Serial No. 448,536; Jan. 6. Class 45.
Thermoseal Products, Inc., New York, N. Y. Dispensing envelopes of flexible sheet material—namely, tobacco pouches. Serial No. 439,083; Jan. 6. Class 8.
Tolerton & Warfield Company, Sioux City, Iowa. Catsup, peanut butter, grape jam, olives, pickles, etc. Serial No. 436,744; Jan. 6. Class 46.
Union Potash & Chemical Company, Chicago, Ill. Sulphate of potash magnesia used as a fertilizer. Serial No. 447,381; Jan. 6. Class 10.
United Drill and Tool Corporation, Chicago, Ill. Twist drills, reamers, and punches and punch retainers. Serial No. 446,282; Jan. 6. Class 23.
United Vacuum & Appliance Company. (See Starr, David A.)
Valentine Laboratories, Inc., Chicago, Ill. Vitamin capsules. Serial No. 448,348; Jan. 6. Class 6.
Vital Foods Corporation, Chicago, Ill. Concentrate of essential vitamins and minerals. Serial No. 445,869; Jan. 6. Class 6.

Welch, Charles L. J., doing business as Railway Maintenance Devices, Chicago, Ill. Mechanical devices, for pulling and withdrawing railway ties, etc. Serial No. 439,261; Jan. 6. Class 23.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Cast metal storage reservoirs and fabricated steel storage reservoirs. Serial No. 444,109; Jan. 6. Class 2.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Cooler units, intercoolers, air filters, air strainers, etc. Serial No. 444,113; Jan. 6. Class 31.
White Mfg. Co., The, North Attleboro, Mass. Pocket knives and jewelry for personal wear and adornments. Serial No. 447,679; Jan. 6. Class 28.
Whitehall Food Manufacturing Corp., Brooklyn, N. Y. Non-alcoholic, maltless bottled extracts and concentrates. Serial No. 443,445; Jan. 6. Class 45.
Williamson, F. E., doing business as The Paraloy Co., Chicago, Ill. Phonograph needles. Serial No. 447,965; Jan. 6. Class 36.
Yoo-Hoo Products Co., Minneapolis, Minn. Cigarettes. Serial No. 448,178; Jan. 6. Class 17.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 154,856; renewed May 16, 1942.
Aitchison & Company, New York, N. Y. Cases, boxes, and containers for eyeglasses, spectacles, opera glasses, etc. 154,857; renewed May 16, 1942.
Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. 392,619; Jan. 6; Serial No. 444,555; published Oct. 28, 1941. Class 42.
Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. 392,620; Jan. 6; Serial No. 444,557; published Oct. 28, 1941. Class 42.
American Advertising & Research Corp., Chicago, Ill. Cameras. 392,677; Jan. 6; Serial No. 446,716; published Oct. 28, 1941. Class 26.
American Aniline Products, Inc., New York, N. Y. Textile dyeing assistants. 392,611; Jan. 6; Serial No. 444,031; published Oct. 21, 1941. Class 6.
American Lady Corset Co. (See Siegel, J., & Co., assignor.)
American Seitz Filter Corporation, Paterson, N. J. Filtering apparatus. 392,685; Jan. 6; Serial No. 447,054; published Oct. 28, 1941. Class 31.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 150,712; renewed Jan. 10, 1942.
American Tobacco Company, The. (See Clay, Henry, & Bock Co., Ltd., assignor.)
Aske, Charles B., Jr., Detroit, Mich. White side wall tire simulating rings. 392,630; Jan. 6; Serial No. 445,313; published Oct. 28, 1941. Class 19.
Associated Food Distributors, Inc. (See Woolson Spice Co., assignor.)
Babbitt Steam Specialty Co., New Bedford, Mass. Sprocket valve wheel rims and chain guides. 148,990; renewed Dec. 6, 1941.
Babbitt Steam Specialty Co., New Bedford, Mass. Sheet-packing. 149,341; renewed Dec. 13, 1941.
Barfred Research Laboratories, Newark, N. J. Lip salve, an ointment, and a dental solution. 392,646; Jan. 6; Serial No. 446,039; published Oct. 21, 1941. Class 6.
Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Manicure sets. 392,679; Jan. 6; Serial No. 446,772; published Oct. 28, 1941. Class 44.
Bauer & Black, Chicago, Ill., assignor to The Kendall Company, Boston, Mass., and Chicago, Ill. Adhesive tape. 153,975; renewed Apr. 4, 1942.
Beals, Allen E., Corporation, New York, N. Y., by change of name to The Dow Service, Incorporated. Daily and weekly publication, newspaper, magazine, or report. 150,244; renewed Jan. 3, 1942.
Beasley, Virgil E., doing business as Novadane Chemical Company, San Antonio, Tex. Treatment for loose dandruff. 392,617; Jan. 6; Serial No. 444,373; published Oct. 28, 1941. Class 6.
Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake valves for automotive air brakes. 392,585; Jan. 6; Serial No. 434,894; published Oct. 28, 1941. Class 13.
Bieganowski, Stanley, to Catherine Retzke, successor, Chicago, Ill. Hair restorer. 150,252; renewed Jan. 3, 1942.
Bishop, John W., Company, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Blended all-purpose wheat flour. 392,595; Jan. 6; Serial No. 440,186; published Oct. 28, 1941. Class 46.
Blue Ribbon Orchards. (See Lorenz, Herbert W.)
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece, composed of alpaca and cotton. 392,644–5; Jan. 6; Serial Nos. 445,875–6; published Oct. 28, 1941. Class 42.
Boericke & Tafel, Philadelphia, Pa. Medicinal preparations. 147,932; renewed Nov. 8, 1941.
Borden Company, The, New York, N. Y. Evaporated, homogenized, sterilized therapeutic preparation. 392,610; Jan. 6; Serial No. 443,802; published Oct. 21, 1941. Class 6.
Bourdieu, Edmy, Ventura, Calif. Plants (pyracantha duvali). 392,689; Jan. 6. Class 1.
Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Food beverage containing powdered whey and dried banana. 392,681; Jan. 6; Serial No. 446,858; published Oct. 28, 1941. Class 46.
Brandt, A., Upholstering Company, Inc., Fort Worth, Tex. Tables, sofas, studio couches, chairs, etc. 392,608; Jan. 6; Serial No. 443,393; published Oct. 28, 1941. Class 32.
Brooks, Abraham J., doing business as Mill Textile Company, New York, N. Y. Cotton, silk, rayon, woolen, and worsted fabrics or combinations thereof. 392,696; Jan. 6. Class 42.
Bueter, T. H., doing business as T. H. Bueter Baking Co., Quincy, Ill. Bread. 392,697; Jan. 6. Class 46.
Burgess Battery Company, Chicago, Ill. Flashlights and flashlight cases. 392,670; Jan. 6; Serial No. 446,514; published Oct. 28, 1941. Class 21.
California Growers Association, Inc., Los Angeles, assignor, by mesne assignments, to Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. 151,699; renewed Feb. 14, 1942.
Canada Dry Ginger Ale, Incorporated. (See McLaughlin, J. J., Limited, assignor.)
Carpenter-Morton Company, Boston, Mass. Liquid paints, varnishes, varnish stain for coloring and finishing straw hats, etc. 150,278; renewed Jan. 3, 1942.
Casey, John A., Company, Inc., New York, N. Y. Oils and greases for fuel and lubrication. 392,618; Jan. 6; Serial No. 444,490; published Oct. 28, 1941. Class 15.
Catskill Metal Works, Inc., Catskill, N. Y. Stokers. 392,653–4; Jan. 6; Serial Nos. 446,071–2; published Oct. 28, 1941. Class 34.
Cavendish Pharmaceutical Corporation. (See Halper, Victor, assignor.)
Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. 392,614; Jan. 6; Serial No. 444,253; published Aug. 12, 1941. Class 42.
Cerveceria Nacional Dominicana C. Por A., Santo Domingo, Dominican Republic. Beer. 392,642; Jan. 6; Serial No. 445,836; published Oct. 28, 1941. Class 48.
Champion, R. C., doing business as Champion Seed Co., El Monte, Calif. Melon seeds. 392,704; Jan. 6. Class 1.
Chatham Manufacturing Company, Winston-Salem, to Chatham Manufacturing Company, Elkin, N. C. Blankets made of wool and of cotton and combination of wool and cotton. 150,285; renewed Jan. 3, 1942.
Cheatham Chemical Company, Atlanta, Ga. Cold cream, vanishing cream, skin lotion, etc. 392,655–6; Jan. 6; Serial Nos. 446,096–7; published Oct. 28, 1941. Class 6.
Chemical & Pigment Company, The. (See Glidden Company, The, assignor.)
Chicago Eye Shield Company, Chicago, Ill. Eye shields and eye protectors. 152,714; renewed Mar. 7, 1942.
Clay, Henry, Bock & Co., Ltd., assignor to The American Tobacco Company, New York, N. Y. Cigars. 150,840; renewed Jan. 10, 1942.
Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. 392,606; Jan. 6; Serial No. 443,116; published Aug. 19, 1941. Class 6.
Cohen & Wilks, Limited, Manchester, England. Woollen piece goods. 392,594; Jan. 6; Serial No. 440,154; published Oct. 28, 1941. Class 42.
Colgate-Palmolive-Peet Company. (See Peet Bros. Manufacturing Company.)
Comfort Manufacturing Company, Chicago, Ill. Chemical compound for spraying around trees and shrubbery to repel dogs and cats. 392,659; Jan. 6; Serial No. 446,130; published Oct. 21, 1941. Class 6.
Continental Paper & Bag Mills, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Paper bags, egg-cartons, and merchandise envelops. 149,891; renewed Dec. 27, 1941.
Continental Paper & Bag Mills, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Wrapping paper, paper towels, napkins, etc. 150,780; renewed Jan. 10, 1942.
Covina Orange Growers Association, Covina, Calif. Fresh citrus fruits—namely, oranges. 154,783; renewed May 9, 1942.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 392,668; Jan. 6; Serial No. 446,487; published Oct. 28, 1941. Class 13.
Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue and paper towels. 392,597; Jan. 6; Serial No. 440,916; published May 6, 1941. Class 37.
Cumberland Tobacco Works, Nashville, Tenn. Plug tobacco. 154,913; renewed May 16, 1942.
Cupid Underwear Company, Inc., Walden, assignor to Walden Underwear Co. Inc., Newburgh, N. Y. Underwear of woven silk material. 151,726; renewed Feb. 14, 1942.

Detroit Graphite Company, Detroit, Mich., assignor, by mesne assignments, to Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Ready mixed paste and semipaste paints, paint enamels in liquid form, and varnishes. 150,331; renewed Jan. 3, 1942.

Dickinson, Albert Company, The, Chicago, Ill. Shelled rice pop-corn. 20,592; re-renewed Jan. 12, 1942.

Dow Service, Incorporated, The. (See Beals, Allen E., Corporation.)

Dowd, Thomas J., also doing business as Dowd Chair Rental and Sales, Buffalo, N. Y. Chairs; tables; and bars and counters for dispensing refreshments. 392,699; Jan. 6. Class 32.

Drayton, Roy O., Sacramento, Calif. Combination nursing bottle holder and teething ring, etc. 392,601; Jan. 6; Serial No. 442,354; published Oct. 28, 1941. Class 44.

Dresch Laboratories Company, The, Toledo, Ohio. Dental attaching, mounting and anchoring devices. 154,270; renewed Apr. 11, 1942.

Dresser Manufacturing Company, Bradford, Pa. Unthreaded bell and spigot cast iron pipe joints. 392,631; Jan. 6; Serial No. 445,353; published Oct. 28, 1941. Class 13.

Duplex Fabrics Corp., New York, N. Y. Rayon and acetate rayon piece goods. 392,621; Jan. 6; Serial No. 444,823; published Oct. 28, 1941. Class 42.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns and lamps for use on vehicles, bicycles, and trucks. Nos. 392,672–3; Jan. 6; Serial Nos. 446,540–1; published Oct. 28, 1941. Class 21.

Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y. Electric lamps and electric lighting fixtures. 392,592; Jan. 6; Serial No. 439,774; published Oct. 28, 1941. Class 21.

Edison, Thomas A., Incorporated, West Orange, N. J. Gas-absorbing material. 392,624; Jan. 6; Serial No. 444,989; published Oct. 28, 1941. Class 6.

Edison, Thomas A., Incorporated, West Orange, N. J. Gases designed primarily for use by anesthetists, physicians, and dentists. 392,625; Jan. 6; Serial No. 444,992; published Oct. 28, 1941. Class 6.

Electro Metallurgical Company, New York, N. Y. Ferrous metal alloys. 392,647; Jan. 6; Serial No. 446,047; published Oct. 28, 1941. Class 14.

Ellis, A. D., Mills Incorporated, Monson, Mass. Green billiard table cloth: 392,662; Jan. 6; Serial No. 446,231; published Oct. 28, 1941. Class 42.

Ely & Walker Dry Goods Company, St. Louis, Mo. Housedresses and aprons. 148,826; renewed Nov. 29, 1941.

Endurance Metal Corporation, Everett, Wash. Bearing metal. 392,605; Jan. 6; Serial No. 443,074; published Oct. 28, 1941. Class 14.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 154,927; renewed May 16, 1942.

Fant Milling Company, Sherman, Tex. Cream meal, wheat flour and baking powder. 392,684; Jan. 6; Serial No. 446,958; published Oct. 28, 1941. Class 46.

Fashion Children Dress Co., New York, N. Y. Dresses, blouses, outer skirts, etc. 392,703; Jan. 6. Class 39.

Fay Carpet Co., Inc., New York, N. Y. Carpets and rugs. 392,675; Jan. 6; Serial No. 446,569; published Oct. 28, 1941. Class 42.

Fleischman, Arthur, doing business as Lawrence Walfior Co., Detroit, Mich. Metal tiles for walls. 392,698; Jan. 6. Class 12.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 392,666; Jan. 6; Serial No. 446,270; published Oct. 28, 1941. Class 42.

Fried. Krupp Aktiengesellschaft, Essen, Germany. Solders, non-ferrous metals, non-ferrous metal alloys, etc. 392,588; Jan. 6; Serial No. 438,306; published Oct. 28, 1941. Class 14.

General Aniline & Film Corporation, New York, N. Y. Photographic goods, particularly cameras. 392,674; Jan. 6; Serial No. 446,542; published Oct. 28, 1941. Class 26.

Glidden Company, The, Cleveland, Ohio, doing business as The Chemical & Pigment Company, Collinsville, Ill., Oakland, Calif., and St. Helens, Baltimore, Md. Barium sulphate extended lithopone. 392,657; Jan. 6; Serial No. 446,108; published Oct. 28, 1941. Class 16.

Gordon Bros. Manufacturing Co. Inc., Kansas City, Mo. Ladies' and misses' dresses, and dress ensembles. 392,692; Jan. 6. Class 39.

Grant, Foster, Co. Inc., Leominster, Mass. Composition in powder or flake form for the manufacture of flexible plastic articles by injection molding. 392,587; Jan. 6; Serial No. 436,886; published Oct. 28, 1941. Class 1.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Bacon. 392,613; Jan. 6; Serial No. 444,219; published Oct. 28, 1941. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Toilet and facial tissue. 392,693; Jan. 6. Class 37.

Guth, Edwin F., Company, St. Louis, Mo. Electric lighting equipment, and more particularly light fixtures. 392,629; Jan. 6; Serial No. 445,267; published Oct. 28, 1941. Class 21.

Guth, Edwin F., Company, St. Louis, Mo. Electric lighting equipment, and more particularly light fixtures. 392,633–5; Jan. 6; Serial Nos. 445,418–20; published Oct. 28, 1941. Class 21.

Hainke, Ray H., doing business as Ray Hainke Manufacturing Company, Kensington, Kans. Lawn mowers. 392,702; Jan. 6. Class 23.

Halper, Victor, assignor to Cavendish Pharmaceutical Corporation, New York, N. Y. Medicinal preparation. 148,660 renewed Nov. 22, 1941.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory cement. 154,043; renewed Apr. 4, 1942.

Heather Handkerchief Works, Inc., New York, N. Y. Handkerchiefs. 392,691; Jan. 6. Class 39.

Heidbrink Company, The, Minneapolis, Minn., assignor, by mesne assignments, to The Ohio Chemical Company & Mfg. Co., Cleveland, Ohio. Dental and surgical supplies. 154,290; renewed Apr. 11, 1942.

Hershey Creamery Company, Harrisburg, Pa. Powdered whole milk. 392,591; Jan. 6; Serial No. 438,766; published Apr. 22, 1941. Class 46.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation for use as a sedative. 392,589; Jan. 6; Serial No. 438,945; published Jan. 28, 1941. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Synthetic vitamin-K like substance. 392,590; Jan. 6; Serial No. 438,946; published Jan. 28, 1941. Class 6.

Holly-Min, Ltd., Los Angeles, Calif. Unguent which promotes healing, prevents destruction of tissue and alleviates pain. 392,612; Jan. 6; Serial No. 444,185; published Oct. 21, 1941. Class 6.

Holton, Paul E., doing business as Holton Laboratories, Detroit, Mich. Wheat germ. 392,680; Jan. 6; Serial No. 446,838; published Oct. 28, 1941. Class 46.

Ingendorf United Bakeries, Inc., San Francisco, Calif. Bread. 392,667; Jan. 6; Serial No. 446,325; published Oct. 28, 1941. Class 46.

Illinois Pure Aluminum Co., Lemont, Ill. Certain named articles of aluminum. 155,245; renewed May 23, 1942.

International Milling Company, Minneapolis, Minn. Wheat flour. 392,639; Jan. 6; Serial No. 445,811; published Oct. 28, 1941. Class 46.

International Paper Company. (See Continental Paper & Bag Mills, assignor.)

Jabel Ring Manufacturing Co., Newark, N. J. Jewelry made of precious metal or plated with precious metal—namely, wedding rings, engagement rings, bracelets, pendants, and brooches. 392,632; Jan. 6; Serial No. 445,357; published Oct. 28, 1941. Class 28.

Johnson, J. Oliver, Seed Company, Chicago, Ill. Lawn grass seed. 392,648; Jan. 6; Serial No. 446,051; published Oct. 28, 1941. Class 1.

Kalamazoo Sled Company, The, Kalamazoo, Mich. Hand sleds. 154,066; renewed Apr. 4, 1942.

Kempe, Irene, doing business as Kempe Mfg. Co., Jamaica, N. Y. Ski wax kit. 392,596; Jan. 6; Serial No. 440,204; published Oct. 28, 1941. Class 16.

Kendall Company, The. (See Bauer & Black, assignor.)

Knomark Mfg. Co., Inc., Brooklyn, N. Y. Dressing, cleanser, and polish for slippers, shoes, and other leather trimmed apparel. 392,643; Jan. 6; Serial No. 445,849; published Oct. 28, 1941. Class 4.

Kold Kist, Inc., Los Angeles, Calif. Frozen fresh cooked meats including beef stew, lamb stew, swiss style steak, etc. 392,582; Jan. 6; Serial No. 428,078; published Oct. 28, 1941. Class 46.

Laclede-Christy Clay Products Company, St. Louis, Mo. Fire clay and refractory compositions. 392,700; Jan. 6. Class 12.

Lake Chelan Growers' Union. (See Wenatchee Skookum Growers', assignor.)

Lane, Asher, Jr., Topeka, Kans. Electrically lighted advertising display signs. 392,690; Jan. 6. Class 21.

Lichtenstein, Ira, Baldwin, N. Y. Preparation for the relief of piles. 392,682; Jan. 6; Serial No. 446,920; published Oct. 21, 1941. Class 6.

Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 154,998; renewed May 16, 1942.

Litwin & Sons, Cincinnati, Ohio. Watches, watch cases and watch movements. 392,706; Jan. 6. Class 27.

Live Food Products Co. (See Bragg, Paul C.)

Lorenz, Herbert W., doing business as Blue Ribbon Orchards, Harlingen, Tex. Fresh citrus fruits. 392,705; Jan. 6. Class 46.

Mack, Harold L., doing business as Mack Dental Co., Monterey, Calif. Dentrifice. 392,683; Jan. 6; Serial No. 446,921; published Oct. 21, 1941. Class 6.

Mail-Well Envelope Company, Portland, Oreg. Envelopes. 392,638; Jan. 6; Serial No. 445,663; published Oct. 28, 1941. Class 37.

Majestic Manufacturing Co., St. Louis, Mo. Coal, oil and gas ranges, stoves, heaters, grills, ovens, etc. 392,603–4; Jan. 6; Serial Nos. 442,908–9; published Oct. 28, 1941. Class 34.

Mantrose Corporation, The, New York, to The Mantrose Corporation, Brooklyn, N. Y. Prepared shellac substitute. 155,004; renewed May 16, 1942.

Marvio Mills, Inc., New York, N. Y. Piece goods of cotton, linen, artificial and natural silk goods, etc. 392,669; Jan. 6; Serial No. 446,503; published Oct. 28, 1941. Class 42.

Mayer, Oscar, & Company, Inc., Chicago, Ill. Meat products—namely, wieners in containers. 392,607; Jan. 6; Serial No. 443,201; published Oct. 28, 1941. Class 46.

McCormick & Co., Incorporated, Baltimore, Md. Maltless fountain drinks and sirups and extracts therefor. 155,001; renewed May 16, 1942.

McKesson & Robbins, Inc., Estate of. (See Wardall, William J., trustee.)

McLaughlin, J. J., Limited, Toronto, Ontario, Canada, assignor, by mesne assignments, to Canada Dry Ginger Ale, Incorporated, New York, N. Y. Ginger Ale. 155,002; renewed May 16, 1942.

Metal Specialties Manufacturing Co., Chicago, Ill. Gummed-tape moistening and cutting machines. 155,261; renewed May 23, 1942.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 392,600; Jan. 6; Serial No. 442,240; published Oct. 28, 1941. Class 28.

Micro-Westco, Inc. (See Schmidt, B. L., Company, assignor.)

Mill Textile Company. (See Brooks, Abraham J.)

National Powder Extinguishing Corporation, Jersey City, N. J. Portable, hand fire extinguishing apparatus. 392,615; Jan. 6; Serial No. 444,274; published Oct. 28, 1941. Class 23.

Novadane Chemical Company. (See Beasley, Virgil E.)

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Hypnotics, particularly sodium ethyl 1 methyl butyl barbiturate. 392,658; Jan. 6; Serial No. 446,113; published Oct. 21, 1941. Class 6.

Oak Rubber Company, The, Ravenna, Ohio. Toy balloons—namely, small airships, two-color balloons, valve balloons, etc. 155,037–8; renewed May 16, 1942.

Ohio Chemical & Mfg. Co., The. (See Heidbrink Company, The, assignor.)

Old Dominion Coal, Iron & Coke Corp., Roanoke, Va. Coal. 392,694; Jan. 6. Class 1.

Orange Screen Co., South Orange, to Orange Screen Company, Maplewood, N. J. Window and door screens and screened-porch inclosures. 149,194; renewed Dec. 6, 1941.

Oxford Filing Supply Co., Brooklyn, N. Y. Filing cards. 155,040; renewed May 16, 1942.

Park & Tilford. (See Scofield, Lillian E., assignor.)

Peavey, F. H., & Co., assignor, by mesne assignments, to F. H. Peavey & Company, Minneapolis, Minn. Wheat, corn, barley, and rye. 21,191; re-renewed May 24, 1942.

Peerless Carbon & Ribbon Mfg. Co., Inc., New York, N. Y. Stamp pads. 151,572; renewed Feb. 7, 1942.

Peet Bros. Manufacturing Company, Kansas City, Kans., to Colgate-Palmolive-Peet Company, Jersey City, N. J., successor. Soap. 152,938; renewed Mar. 7, 1942.

Pennsylvania Medicine Co., Johnstown, Pa. Laxatives and antacids. 392,581; Jan. 6; Serial No. 421,531; published Sept. 26, 1939. Class 6.

Pickard, Ben, Chicago, Ill. Permanent wave pads. 392,687; Jan. 6; Serial No. 447,176; published Oct. 28, 1941. Class 44.

Quality Mattress Co., Rochester, N. Y. Inner spring mattresses. 392,708; Jan. 6. Class 32.

Raisen Press, Inc., New York, N. Y. Photographic display folders. 392,640; Jan. 6; Serial No. 445,826; published Oct. 28, 1941. Class 37.

Rankin, J. P., Bakersfield, Calif. Ground beef and pork sandwiches. 392,636; Jan. 6; Serial No. 445,435; published Oct. 21, 1941. Class 46.

Raolin Corporation, The, New York, N. Y. Chlorinated rubber and compositions such as resins. 392,584; Jan. 6; Serial No. 434,222; published Apr. 22, 1941. Class 6.

Raygram Corporation, New York, N. Y. Photographic developers and fixer hardeners. 392,663; Jan. 6; Serial No. 446,243; published Oct. 21, 1941. Class 6.

Retzke, Catherine. (See Bieganowski, Stanley.)

Richard Best Pencil Company, Inc., Irvington, N. J. Wood-encased lead pencils. 392,637; Jan. 6; Serial No. 445,624; published Oct. 28, 1941. Class 37.

Rose, J., & Co. Inc., New York, N. Y. Refrigerators. 155,068; renewed May 16, 1942.

Royal Typrewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. 392,671; Jan. 6; Serial No. 446,532; published Oct. 28, 1941. Class 11.

Rubon Woodfinishing and Products Company, Kansas City, Mo. Mops. 154,141; renewed Apr. 4, 1942.

Rumboll, Ernest A., Buenos Aires, Argentina. Badges of fabric or base metal and flags. 392,598; Jan. 6; Serial No. 441,061; published Oct. 28, 1941. Class 50.

Salz Brothers, assignor to Salz Bros. Inc., New York, N. Y. Fountain pens. 155,280; renewed May 23, 1942.

Sandoz Chemical Works, Inc., New York, N. Y. Chemical substances, aniline dyes, alizarine dyes and other dyes. 392,593; Jan. 6; Serial No. 439,960; published Oct. 28, 1941. Class 6.

Santa Clara Frosted Foods Co., Santa Clara, Calif. Frozen fruits, frozen vegetables. 392,623; Jan. 6; Serial No. 444,980; published Oct. 28, 1941. Class 46.

Schmidt, B. L., Company, Davenport, assignor, by mesne assignments, to Micro-Westco, Inc., Bettendorf, Iowa. Metal-grinding machines. 149,230; renewed Dec. 6, 1941.

Schonbrunn, S. A., & Co., Inc., New York, N. Y. Coffee. 392,586; Jan. 6; Serial No. 436,662; published Oct. 28, 1941. Class 46.

Schucki & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned fruits and vegetables. 392,626; Jan. 6; Serial No. 445,159; published Oct. 28, 1941. Class 46.

Schurman, I. L., Chicago, Ill. Fuel and heating oils. 392,660; Jan. 6; Serial No. 446,146; published Oct. 28, 1941. Class 15.

Scofield, Lillian E., assignor to Park & Tilford, New York, N. Y. Bluing for wool and silk. 146,354; renewed Sept. 6, 1941.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal and pharmaceutical preparations for internal use. 392,649; Jan. 6; Serial No. 446,065; published Oct. 21, 1941. Class 6.

Siegel, J., & Co., Chicago, Ill., Detroit, Mich., and New York, N. Y., assignor, by mesne assignments, to American Lady Corset Co., Detroit, Mich. Corsets. 20,503; re-renewed Dec. 29, 1941.

Small, Mary M., Pasadena, Calif. Chaplets consisting of fresh flowers, fastened to a bandeau. 392,616; Jan. 6; Serial No. 444,281; published Oct. 28, 1941. Class 1.

Solomon, Morton M., doing business as Tufts Mattress Company, Somerville, Mass. Mattresses, box springs, studio couches, and sofa beds. 392,602; Jan. 6; Serial No. 442,741; published Oct. 28, 1941. Class 32.

Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruits—namely, oranges, grapefruit, tangerines, etc. 392,650; Jan. 6; Serial No. 446,067; published Oct. 28, 1941. Class 46.

Steem-Electric Corporation, St. Louis, Mo. Electric steaming irons. 392,651–2; Jan. 6; Serial Nos. 446,068–9; published Oct. 28, 1941. Class 21.

Strand Leather Goods Co., Inc., New York, N. Y. Ladies' handbags. 392,686; Jan. 6; Serial No. 447,082; published Oct. 28, 1941. Class 3.

Strawbridge & Clothier, to Strawbridge & Clothier, Philadelphia, Pa. Men's and Boys' outer clothing. 154,712; renewed Apr. 18, 1942.

Sucro-Blanc, Inc., New York, N. Y. Bauxite. 392,599; Jan. 6; Serial No. 441,065; published Oct. 28, 1941. Class 1.

Sunnyvale Packing Co. (Schucki & Co.)

Sutton, Leon A., New York, N. Y. Slide fasteners. 392,661; Jan. 6; Serial No. 446,151; published Oct. 28, 1941. Class 13.

T. & F. Chemical Co., Bossier City, La. Preparation for treating foot diseases. 392,701; Jan. 6. Class 6.

Tacony File & Hardware Co., Philadelphia, Pa. Files. 155,291; renewed May 23, 1942.

Topsail Lubricants, Inc., North Tonawanda, N. Y. Motor and industrial lubricating oils and greases. 392,628; Jan. 6; Serial No. 445,216; published Oct. 28, 1941. Class 15.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paints of a very heavy consistency for interior use. 392,676; Jan. 6; Serial No. 446,675; published Oct. 28, 1941. Class 16.

Tri-Valley Packing Association. (See California Growers Association, Inc., assignor.)

Tryon, Edw. K., Company, Philadelphia, Pa. Fishing lines. 392,688; Jan. 6; Serial No. 447,217; published Oct. 28, 1941. Class 22.

Tufts Mattress Company. (See Solomon, Morton M.)

"Turmac" Turkish-Macedonian Tobacco Company, Arnhem, to "Turmac" Turkish-Macedonian Tobacco Company N. V., Amsterdam, Netherlands. Smoking and chewing tobacco, cigarettes, cigars, and snuff. 155,101; renewed May 16, 1942.

United Oil Company, Incorporated, The, Baltimore, Md. Lubricating oils. 155,105; renewed May 16, 1942.

United Paper Company, Inc., Richmond, Va. Wrapping paper, toilet paper, towels, tissue, and adhesive paper tape. 392,609; Jan. 6; Serial No. 443,469; published Oct. 28, 1941. Class 37.

United States Finishing Company, The, Norwich, Conn. Textile fabrics of cotton, linen, rayon, acetate, wool, etc. Nos. 392,664–5; Jan. 6; Serial Nos. 446,252–3; published Oct. 28, 1941. Class 42.

United States Rubber Company, New York, N. Y. Electrical cables. 392,678; Jan. 6; Serial No. 446,767; published Oct. 28, 1941. Class 21.

Velveray Corporation, New York, N. Y. Silk, rayon, and cotton piece goods. 392,641; Jan. 6; Serial No. 445,830; published Oct. 28, 1941. Class 42.

Waddington Condensed Milk Co. Inc., Waddington, by change of name to Waddington Milk Co., Inc., New York, N. Y. Unsweetened evaporated milk. 150,638; renewed Jan. 3, 1942.

Walden Underwear Co. Inc. (See Cupid Underwear Company, Inc., assignor.)

Walfior, Lawrence, Co. (See Fleischman, Arthur.)

Wardall, William J., trustee for the Estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Cologne, perfume, face powder, and dusting powder. 392,622; Jan. 6; Serial No. 444,884; published Oct. 28, 1941. Class 6.

Wellington Sears Company, Incorporated, New York, N. Y. Piece goods all or in part of cotton, wool, rayon, silk, synthetic fibres. 392,707; Jan. 6. Class 42.

Wenatchee Skookum Growers', Wenatchee, assignor to Lake Chelan Growers' Union, Chelan, Wash. Fresh deciduous fruits. 154,815; renewed May 9, 1942.

Westgate Sea Products Company, San Diego, Calif. Canned fish, canned tuna. 392,583; Jan. 6; Serial No. 434,137; published Nov. 19, 1940. Class 46.

White Mop Wringer Co., Fultonville, N. Y. Mop wringers. 155,117; renewed May 16, 1942.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 155,119–21; renewed May 16, 1942.

Whiting Paper Company, Holyoke, Mass. Writing paper and mailing envelopes. 155,124; renewed May 16, 1942.

Wilson, Ralph W., New York, N. Y. Caps and tops of receptacles—namely, boxes and cans. 153,565; renewed Mar. 21, 1942.

Wilson, Thad, Gary, Ind. Chicken, fried or cooked, and meals or luncheons including prepared chicken. 392,627; Jan. 6; Serial No. 445,184; published Oct. 28, 1941. Class 46.

Wolf & Dessauer Co., Fort Wayne, Ind. Ladies' and misses' dresses, gloves, hats, etc. 392,695; Jan. 6. Class 39.

Woolson Spice Co., The, Toledo, Ohio, assignor, by mesne assignments, to Associated Food Distributors, Inc., Coldwater, Mich. Coffee. 149,557; renewed Dec. 13, 1941.

Worthington Pump and Machinery Corporation, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping and certain other machinery. 155,130; renewed May 16, 1942.

Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Camel's-hair cloth in the piece. 152,555; renewed Feb. 28, 1942.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chaplets consisting of fresh flowers, fastened to a bandeau. M. M. Small. 392,616; Jan. 6; Serial No. 444,281; published Oct. 28, 1941.

Coal. Old Dominion Coal, Iron & Coke Corp. 392,694; Jan. 6.

Composition in powder or flake form for the manufacture of flexible plastic articles by injection molding. Foster Grant Co. Inc. 392,587; Jan. 6; Serial No. 436,886; published Oct. 28, 1941.

Bauxite. Sucro-Blanc, Inc. 392,599; Jan. 6; Serial No. 441,065; published Oct. 28, 1941.

Lawn grass seed. J. Oliver Johnson Seed Company. 392,648; Jan. 6; Serial No. 446,051; published Oct. 28, 1941.

Melon seeds. R. C. Champion. 392,704; Jan. 6.

Plants (pyrancantha duvali). E. Bourdieu. 392,689; Jan. 6.

CLASSES 1 and 46

Wheat, corn, barley, and rye. F. H. Peavey & Co. 21,191; re-renewed May 24, 1942.

CLASS 2

Bags, egg-cartons, and merchandise-envelopes, Paper. Continental Paper & Bag Mills. 149,891; renewed Dec. 27, 1941.

Caps and tops of receptacles—namely, boxes and cans. R. W. Wilson. 153,565; renewed Mar. 21, 1942.

Cases, boxes, and containers for eyeglasses, spectacles, etc. Aitchison & Company. 154,857; renewed May 16, 1942.

CLASS 3

Handbags. Strand Leather Goods Co. 392,686; Jan. 6; Serial No. 447,082; published Oct. 28, 1941.

CLASS 4

Dressing, cleanser, and polish for slippers, shoes, and other leather trimmed apparel. Knomark Mfg. Co. 392,643; Jan. 6; Serial No. 445,849; published Oct. 28, 1941.

Soap. Peet Bros. Manufacturing Company. 152,938; renewed Mar. 7, 1942.

CLASS 5

Adhesive tape. Bauer & Black. 153,975; renewed Apr. 4, 1942.

CLASS 6

Bluing for wool and silk. L. E. Scofield. 146,354; renewed Sept. 6, 1941.

Chemical compound for spraying around trees and shrubbery. Comfort Manufacturing Company. 392,659; Jan. 6; Serial No. 446,130; published Oct. 21, 1941.

Chemical substances, aniline dyes, alizarine dyes and other dyes. Sandoz Chemical Works, Inc. 392,593; Jan. 6; Serial No. 439,950; published Oct. 28, 1941.

Chlorinated rubber and compositions such as resins. Raolin Corporation. 392,584; Jan. 6; Serial No. 434,222; published Apr. 22, 1941.

Cold cream, vanishing cream, skin lotion, etc. Cheathan Chemical Company. 392,655–6; Jan. 6; Serial Nos. 446,096–7; published Oct. 28, 1941.

Cologne, perfume, face powder, and dusting powder. W. J. Wardall. 392,622; Jan. 6; Serial No. 444,884; published Oct. 28, 1941.

Cosmetics and beauty preparations. J. Cochran. 392,606; Jan. 6; Serial No. 443,116; published Aug. 19, 1941.

Dentifrice. H. L. Mack. 392,683; Jan. 6; Serial No. 446,921; published Oct. 21, 1941.

Developers and fixer hardeners, Photographic. Raygram Corporation. 392,663; Jan. 6; Serial No. 446,243; published Oct. 21, 1941.

Dyeing assistants, Textile. American Aniline Products, Inc. 392,611; Jan. 6; Serial No. 444,031; published Oct. 21, 1941.

Gas-absorbing material. Thomas A. Edison, Incorporated. 392,624; Jan. 6; Serial No. 444,989; published Oct. 28, 1941.

Gases designed primarily for use by anesthetists, physicians, and dentists. Thomas A. Edison, Incorporated. 392,625; Jan. 6; Serial No. 444,992; published Oct. 28, 1941.

Hair restorer. S. Bieganowski. 150,252; renewed Jan. 3, 1942.

Hypnotics, particularly sodium ethyl methyl butyl barbiturate. Novocol Chemical Mfg. Co. 392,658; Jan. 6; Serial No. 446,113; published Oct. 21, 1941.

Laxatives and antacids. Pennsylvania Medicine Co. 392,581; Jan. 6; Serial No. 421,531; published Sept. 26, 1939.

Medicinal and pharmaceutical preparation for internal use. Sharp & Dohme, Incorporated. 392,649; Jan. 6; Serial No. 446,065; published Oct. 21, 1941.

Medicinal preparation. V. Halper. 148,660; renewed Nov. 22, 1041.

Medicinal preparation. Hoffmann-La Roche, Inc. 392,589; Jan. 6; Serial No. 438,945; published Jan. 28, 1941.

Medicinal preparations. Boericke & Tafel. 147,932; renewed Nov. 8, 1941.

Preparation for the relief of piles. I. Lichtenstein. 392,682; Jan. 6; Serial No. 446,920; published Oct. 21, 1941.

Preparation for treating foot diseases. T. & F. Chemical Co. 392,701; Jan. 6.

Salve, Lip. Barfred Research Laboratories. 392,646; Jan. 6; Serial No. 446,039; published Oct. 21, 1941.

Therapeutic preparation, Evaporated, homogenized, sterilized. Borden Company. 392,610; Jan. 6; Serial No. 443,802; published Oct. 21, 1941.

Treatment for loose dandruff. V. E. Beasley. 392,617; Jan. 6; Serial No. 444,373; published Oct. 28, 1941.

Unguent. Holly-Min, Ltd. 392,612; Jan. 6; Serial No. 444,185; published Oct. 21, 1941.

Vitamin-K like substance, Synthetic. Hoffmann-La Roche, Inc. 392,590; Jan. 6; Serial No. 438,946; published Jan. 28, 1941.

CLASS 11

Inking ribbons and carbon paper. Royal Typewriter Company. 392,671; Jan. 6; Serial No. 446,532; published Oct. 28, 1941.

Stamp pads. Peerless Carbon & Ribbon Mfg. Co. 151,572; renewed Feb. 7, 1942.

CLASS 12

Cement, Refractory. Harbison-Walker Refractories Company. 154,043; renewed Apr. 4, 1942.

Clay and refractory compositions, Fire. Laclede-Christy Clay Products Company. 392,700; Jan. 6.

Tiles for walls, Metal. A. Fleischman. 392,698; Jan. 6.

CLASS 13

Aluminum, Articles of. Illinois Pure Aluminum Co. 155,245; renewed May 23, 1942.

Brake valves for automotive air brakes. Bendix-Westinghouse Automotive Air Brake Company. 392,585; Jan. 6; Serial No. 434,894; published Oct. 28, 1941.

Fasteners, Separable slide. Crown Fastener Corporation. 392,668; Jan. 6; Serial No. 446,487; published Oct. 28, 1941.

Fasteners, Slide. L. A. Sutton. 392,661; Jan. 6; Serial No. 446,151; published Oct. 28, 1941.

Pipe joints, Unthreaded bell and spigot cast iron. Dresser Manufacturing Company. 392,631; Jan. 6; Serial No. 445,353; published Oct. 28, 1941.

Window and door screens and screened-porch inclosures. Orange Screen Co. 149,194; renewed Dec. 6, 1941.

CLASS 14

Bearing metal. Endurance Metal Corporation. 392,605; Jan. 6; Serial No. 443,074; published Oct. 28, 1941.

Metal alloys, Ferrous. Electro Metallurgical Company. 392,647; Jan. 6; Serial No. 446,047; published Oct. 28, 1941.

Solders, non-ferrous metals, non-ferrous metal alloys, etc. Fried. Krupp Aktiengesellschaft. 392,588; Jan. 6; Serial No. 438,306; published Oct. 28, 1941.

CLASS 15

Oils, Fuel and heating. I. L. Schurman. 392,660; Jan. 6; Serial No. 446,146; published Oct. 28, 1941.

Oils and greases for fuel and lubrication. John A. Casey Company. 392,618; Jan. 6; Serial No. 444,490; published Oct. 28, 1941.

Oils and greases, Motor and industrial lubricating. Topsail Lubricants, Inc. 392,628; Jan. 6; Serial No. 445,216; published Oct. 28, 1941.

Oils, Lubricating. United Oil Company. 155,105; renewed May 16, 1942.

CLASS 16

Barium sulphate extended lithopone. Glidden Company. 392,657; Jan. 6; Serial No. 446,108; published Oct. 28, 1941.

Paints. Tremco Manufacturing Company. 392,676; Jan. 6; Serial No. 446,675; published Oct. 28, 1941.

Paints, varnishes, varnish stain for coloring and finishing straw hats, etc., Liquid. Carpenter-Morton Company. 150,278; renewed Jan. 3, 1942.

Paste and semipaste paints, paint enamels in liquid form, and varnishes, Ready mixed. Detroit Graphite Company. 150,331; renewed Jan. 3, 1942.

Shellac substitute, Prepared. Mantrose Corporation. 155,004; renewed May 16, 1942.

Wax kit, Ski. I. Kempe. 392,596; Jan. 6; Serial No. 440,204; published Oct. 28, 1941.

CLASS 17

Cigars. Henry Clay Bock & Co. 150,840; renewed Jan. 10, 1942.

Tobacco, cigarettes, cigars, and snuff, Smoking and chewing. "Turmac" Turkish-Macedonian Tobacco Company. 155,101; renewed May 16, 1942.

Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. 154,998; renewed May 16, 1942.

Tobacco, Plug. Cumberland Tobacco Works. 154,913; renewed May 16, 1942.

Tobacco, Smoking and chewing. American Tobacco Company. 150,712; renewed Jan. 10, 1942.

CLASS 19

Tires simulating rings, White side walls. C. B. Aske, Jr. 392,630; Jan. 6; Serial No. 445,313; published Oct. 28, 1941.

CLASS 21

Electric cables. United States Rubber Company. 392,678; Jan. 6; Serial No. 446,767; published Oct. 28, 1941.

Electric horns and lamps for use on vehicles, bicycles, and trucks. E. A. Laboratories, Inc. 392,672–3; Jan. 6; Serial Nos. 446,540–1; published Oct. 28, 1941.

Electric lamps and electric lighting fixtures. Eagle Electric Mfg. Co. 392,592; Jan. 6; Serial No. 439,774; published Oct. 28, 1941.

Electric lighting equipment, and more particularly light fixtures. Edwin F. Guth Company. 392,629; Jan. 6; Serial No. 445,267; published Oct. 28, 1941.

Electric lighting equipment, and more particularly light fixtures. Edwin F. Guth Company. 392,633–5; Jan. 6; Serial Nos. 445,418–20; published Oct. 28, 1941.

Electric steaming irons. Steam-Electric Corporation. 392,651–2; Jan. 6; Serial Nos. 446,068–9; published Oct. 28, 1941.

Electrically lighted advertising display signs. A. Lane, Jr. 392,690; Jan. 6.

Flashlights and flashlight cases. Burgess Battery Company. 392,670; Jan. 6; Serial No. 446,514; published Oct. 28, 1941.

CLASS 22

Fishing lines. Edw. K. Tryon Company. 392,688; Jan. 6; Serial No. 447,217; published Oct. 28, 1941.

Fishing reels. Enterprise Manufacturing Company. 154,927; renewed May 16, 1942.

Sleds, Hand. Kalamazoo Sled Company. 154,066; renewed Apr. 4, 1942.

Toy balloons. Oak Rubber Company. 155,037–8; renewed May 16, 1942.

CLASS 23

Files. Tacony File & Hardware Co. 155,291; renewed May 23, 1942.

Fire extinguishing apparatus, Portable hand. National Powder Extinguishing Corporation. 392,615; Jan. 6; Serial No. 444,274; published Oct. 28, 1941.

Metal-grinding machines. B. L. Schmidt Company. 149,230; renewed Dec. 6, 1941.

Mowers, Lawn. R. H. Hainke. 392,702; Jan. 6.

Pumping and certain other machinery. Worthington Pump and Machinery Corporation. 155,130; renewed May 16, 1942.

Scissors and shears. Acme Shear Company. 154,856; renewed May 16, 1942.

Wheel rims and chain guides, Sprocket valve. Babbitt Steam Specialty Co. 148,990; renewed Dec. 6, 1941.

Wringers, Mop. White Mop Wringer Co. 155,117; renewed May 16, 1942.

CLASS 26

Cameras. American Advertising & Research Corp. 392,677; Jan. 6; Serial No. 446,716; published Oct. 28, 1941.

Photographic goods, particularly cameras. General Aniline & Film Corporation. 392,674; Jan. 6; Serial No. 446,542; published Oct. 28, 1941.

CLASS 27

Watches, watch cases, and watch movements. Litwin & Sons. 392,706; Jan. 6.

CLASS 28

Jewelry made of precious metal or plated with precious metal, namely wedding rings, engagement rings, bracelets, pendants, and brooches. Jabel Ring Manufacturing Co. 392,632; Jan. 6; Serial No. 445,357; published Oct. 28, 1941.

Necklaces, bracelets, finger rings, etc. Joseph H. Meyer Bros. 392,600; Jan. 6; Serial No. 442,240; published Oct. 28, 1941.

CLASS 29

Mops. Rubon Woodfinishing and Products Company. 154,141; renewed Apr. 4, 1942.

CLASS 31

Filtering apparatus. American Seitz Filter Corporation. 392,685; Jan. 6; Serial No. 447,054; published Oct. 28, 1941.

Refrigerators. J. Rose & Co. Inc. 155,068; renewed May 16, 1942.

CLASS 32

Chairs; tables; and bars and counters for dispensing refreshments. T. J. Dowd. 392,699; Jan. 6.

Mattresses, box springs, studio couches, and sofa beds. M. M. Solomon. 392,602; Jan. 6; Serial No. 442,741; published Oct. 28, 1941.

Mattresses, Inner spring. Quality Mattress Co. 392,708; Jan. 6.

Tables, sofas, studio couches, chairs, etc. A. Brandt Upholstering Company. 392,608; Jan. 6; Serial No. 443,393; published Oct. 28, 1941.

CLASS 34

Ranges, stoves, heaters, etc., Coal, oil, and gas. Majestic Manufacturing Co. 392,603–4; Jan. 6; Serial Nos. 442,908–9; published Oct. 28, 1941.

Stokers. Catskill Metal Works, Inc. 392,653–4; Jan. 6; Serial Nos. 446,071–2; published Oct. 28, 1941.

CLASS 35

Sheet-packing. Babbitt Steam Specialty Co. 149,341; renewed Dec. 13, 1941.

CLASS 37

Display folders, Photographic. Ralsen Press, Inc. 392,640; Jan. 6; Serial No. 445,826; published Oct. 28, 1941.

Envelopes. Mail-Well Envelope Company. 392,638; Jan. 6; Serial No. 445,663; published Oct. 28, 1941.

Filing cards. Oxford Filing Supply Co. 155,040; renewed May 16, 1942.

Gummed-tape moistening and cutting machines. Metal Specialties Manufacturing Co. 155,261; renewed May 23, 1942.

Lead pencils, Wood-encased. Richard Best Pencil Company. 392,637; Jan. 6; Serial No. 445,624; published Oct. 28, 1941.

Paper and mailing envelopes, Writing. Whiting Paper Company. 155,124; renewed May 16, 1942.

Paper, paper towels, paper napkins, etc., Wrapping. Continental Paper & Bag Mills. 150,780; renewed Jan. 10, 1942.

Paper, Toilet. White-Washburne Company. 155,119–21; renewed May 16, 1942.

Paper, wrapping and toilet, towels, tissue, and adhesive paper tape. United Paper Company. 392,609; Jan. 6; Serial No. 443,469; published Oct. 28, 1941.

Pens, Fountain. Salz Brothers. 155,280; renewed May 23, 1942.

Tissue and paper towels, Toilet. Crown Zellerbach Corporation. 392,597; Jan. 6; Serial No. 440,916; published May 6, 1941.

Tissue, Toilet and facial. Great Atlantic & Pacific Tea Company. 392,693; Jan. 6.

CLASS 38

Publication, newspaper, magazine, or report, Daily and weekly. Allen E. Beals Corporation. 150,244; renewed Jan. 3, 1942.

CLASS 39

Clothing, Men's and boys' outer. Strawbridge & Clothier. 154,712; renewed Apr. 18, 1942.

Corsets. J. Siegel & Co. 20,503; re-renewed Dec. 29, 1941.

Dresses and aprons, House. Ely & Walker Dry Goods Company. 148,826; renewed Nov. 29, 1941.

Dresses, blouses, outer skirts, etc. Fashion Children Dress Co. 392,703; Jan. 6.

Dresses, and dress ensembles. Gordon Bros. Manufacturing Co. Inc. 392,692; Jan. 6.

Dresses, gloves, hats, etc. Wolf & Dessauer Co. 392,695; Jan. 6.

Handkerchiefs. Heather Handkerchief Works, Inc. 392,601; Jan. 6.
Underwear. Cupid Underwear Company. 151,726; renewed Feb. 14, 1942.

CLASS 42

Blankets made of wool and of cotton and combination of same. Chatham Manufacturing Company. 150,285; renewed Jan. 3, 1942.
Carpets and rugs. Fay Carpet Co. 392,675; Jan. 6; Serial No. 446,569; published Oct. 28, 1941.
Cloth in the piece, Camel's-hair. Worumbo Manufacturing Company. 152,555; renewed Feb. 28, 1942.
Fabrics in the piece, composed of alpaca and cotton, Pile. Sidney Blumenthal & Co. Inc. 392,644–5; Jan. 6; Serial Nos. 445,875–6; published Oct. 28, 1941.
Fabrics of cotton, linen, rayon, etc., Textile. United States Finishing Company. 392,664–5; Jan. 6; Serial Nos. 446,252–3; published Oct. 28, 1941.
Fabrics or combinations thereof, Cotton, silk, rayon, etc. A. J. Brooks. 392,696; Jan. 6.
Piece goods. Wellington Sears Company. 392,707; Jan. 6.
Piece goods made wholly or partially of cellulose derivatives. Celanese Corporation of America. 392,614; Jan. 6; Serial No. 444,253; published Aug. 12, 1941.
Piece goods of cotton, linen, and silk goods, etc. Marvlo Mills, Inc. 392,669; Jan. 6; Serial No. 446,503; published Oct. 28, 1941.
Piece goods, Silk, rayon, and cotton. Velveray Corporation. 392,641; Jan. 6; Serial No. 445,830; published Oct. 28, 1941.
Piece goods, Rayon and acetate. Duplex Fabrics Corp. 392,621; Jan. 6; Serial No. 444,823; published Oct. 28, 1941.
Piece goods, Woolen. Cohen & Wilks, Limited. 392,594; Jan. 6; Serial No. 440,154; published Oct. 28, 1941.
Piece goods, Woolen. Forstmann Woolen Co. 392,666; Jan. 6; Serial No. 446,270; published Oct. 28, 1941.
Piece goods, Woolen and worsted textile. Amalgamated Textiles Limited. 392,619; Jan. 6; Serial No. 444,555; published Oct. 28, 1941.
Piece goods, Woolen and worsted textile. Amalgamated Textiles, Limited. 392,620; Jan. 6; Serial No. 444,557; published Oct. 28, 1941.
Table cloth, Green billiard. A. D. Ellis Mills Incorporated. 392,662; Jan. 6; Serial No. 446,231; published Oct. 28, 1941.

CLASS 44

Dental attaching, mounting and anchoring devices. Dresch Laboratories Company. 154,270; renewed Apr. 11, 1942.
Dental and surgical supplies. Heidbrink Company. 154,290; renewed Apr. 11, 1942.
Eye shields and eye protectors. Chicago Eye Shield Company. 152,714; renewed Mar. 7, 1942.
Nursing bottle holder and teething ring, etc., Combination. R. O. Drayton. 392,601; Jan. 6; Serial No. 442,354; published Oct. 28, 1941.
Manicure sets. H. C. Bates. 392,679; Jan. 6; Serial No. 446,772; published Oct. 28, 1941.
Wave pads, Permanent. B. Pickard. 392,687; Jan. 6; Serial No. 447,176; published Oct. 28, 1941.

CLASS 45

Drinks and sirups and extracts therefor, Maltless fountain. McCormick & Co. 155,001; renewed May 16, 1942.
Ginger ale. J. J. McLaughlin Limited. 155,002; renewed May 16, 1942.

CLASS 46

Bacon. Great Atlantic & Pacific Tea Company. 392,613; Jan. 6; Serial No. 444,219; published Oct. 28, 1941.
Bread. T. H. Bueter. 392,697; Jan. 6.
Bread. Langendorf United Bakeries, Inc. 392,667; Jan. 6; Serial No. 446,325; published Oct. 28, 1941.
Canned fish. Westgate Sea Products Company. 392,583; Jan. 6; Serial No. 434,137; published Nov. 19, 1940.
Canned fruits and canned vegetables. California Growers Association, Inc. 151,699; renewed Feb. 14, 1942.
Canned fruits and vegetables. Schuckl & Co. 392,626; Jan. 6; Serial No. 445,159; published Oct. 28, 1941.
Chicken, fried or cooked and meals or luncheons including prepared chicken. T. Wilson. 392,627; Jan. 6; Serial No. 445,184; published Oct. 28, 1941.
Coffee. S. A. Schonbrunn & Co. 392,586; Jan. 6; Serial No. 436,662; published Oct. 28, 1941.
Coffee. Woolson Spice Co. 149,557; renewed Dec. 13, 1941.
Cream meal, wheat flour and baking powder. Fant Milling Company. 392,684; Jan. 6; Serial No. 446,958; published Oct. 28, 1941.
Flour, Blended all-purpose wheat. John W. Bishop Company. 392,595; Jan. 6; Serial No. 440,186; published Oct. 28, 1941.
Flour, Wheat. International Milling Company. 392,639; Jan. 6; Serial No. 445,811; published Oct. 28, 1941.
Food beverage containing powdered whey and dried banana. P. C. Bragg. 392,681; Jan. 6; Serial No. 446,858; published Oct. 28, 1941.
Fruits, Fresh citrus. H. W. Lorenz. 392,705; Jan. 6.
Fruits, Fresh deciduous. Wenatchee Skookum Growers' 154,815; renewed May 9, 1942.
Fruits—namely, oranges, Fresh citrus. Covina Orange Growers Association. 154,783; renewed May 9, 1942.
Fruits—namely, oranges, grapefruit, tangerines, etc., Fresh citrus. Stanford Fruit Growers, Inc. 392,650; Jan. 6; Serial No. 446,067; published Oct. 28, 1941.
Fruits and vegetables, Frozen. Santa Clara Frosted Foods Co. 392,623; Jan. 6; Serial No. 444,980; published Oct. 28, 1941.
Meat products—namely, wieners in containers. Oscar Mayer & Company. 392,607; Jan. 6; Serial No. 443,201; published Oct. 28, 1941.
Meats including beef stew, lamb stew, swiss style steak, etc., Frozen fresh cooked. Kold Kist, Inc. 392,582; Jan. 6; Serial No. 428,078; published Oct. 28, 1941.
Milk, Powdered whole. Hershey Creamery Company. 392,591; Jan. 6; Serial No. 439,766; published Apr. 22, 1941.
Milk, Unsweetened evaporated. Waddington Condensed Milk Co. Inc. 150,638; renewed Jan. 3, 1942.
Rice pop-corn, Shelled. Albert Dickinson Company. 20,592; re-renewed Jan. 12, 1942.
Sandwiches, Ground beef and pork. J. P. Rankin. 392,636; Jan. 6; Serial No. 445,435; published Oct. 21, 1941.
Wheat germ. P. E. Holton. 392,680; Jan. 6; Serial No. 446,838; published Oct. 28, 1941.

CLASS 48

Beer. Cerveceria Nacional Dominicana C. Por A. 392,642; Jan. 6; Serial No. 445,836; published Oct. 28, 1941.

CLASS 50

Badges of fabric of base metal and flags. E. A. Rumboll. 392,598; Jan. 6; Serial No. 441,061; published Oct. 28, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining of animal and vegetable oils. Re. 21,992; Jan. 6.
Coopers Inc. (See Kneibler, Arthur R., assignor.)
Cunningham, Lewis L., Glendale, Calif., assignor to Perfex Corporation, Milwaukee, Wis. Burner control system. Re. 21,993; Jan. 6.
Freudenberg, Gotthard, Hermsdorf, Berlin, Germany, and A. E. Reimers, Harrington Park, N. J., assignors to the Nestle-Lemur Company, New York, N. Y. Hair waving. Re. 21,994; Jan. 6.
General Printed String Company. (See Mueller, Carl E., assignor.)
Kneibler, Arthur R., assignor to Coopers Inc., Kenosha, Wis. Undergarment. Re. 21,999; Jan. 6.
Mueller, Carl E., assignor to General Printed String Company, Milwaukee, Wis. Spool snubber. Re. 21,995; Jan. 6.
Nestle-Lemur Company. (See Freudenberg, G., and Reimers, assignors.)
Oates, James M., Ashland, Va. Dowel means for roadway joints. Re. 21,996; Jan. 6.
Perfex Corporation. (See Cunningham, Lewis L., assignor.)
Refining, Inc. (See Clayton, Benjamin, assignor.)
Reimers, Alfred E. (See Freudenberg, G., and Reimers.)
Stanitz, Jacques, Warren, Ohio, assignor, by mesne assignments, to Steel Plumbing Wares, Inc., Detroit, Mich. Making sinks, wash basins, and the like. Re. 21,997; Jan. 6.
Steel Plumbing Wares, Inc. (See Stanitz, Jacques, assignor.)
Thomas, Maurice B., Houston, Tex. Gas lift valve. Re. 21,998; Jan. 6.

LIST OF DESIGN PATENTEES

Abramson, Lewis, Schenectady, N. Y. Upholstered cedar chest. 131,001; Jan. 6.
Adams, Wilbur Henry, Millcreek Township, Erie County, Pa., assignor to The F. H. Lawson Company, Cincinnati, Ohio. Sand urn. 130,989; Jan. 6.
Albrecht, Irene B., and A. B. Kemp, Portland, Oreg. Fish lure. 131,002; Jan. 6.
American Optical Company. (See Brusell, Ernest J., assignor.)
Angelich, Mate, Jackson Heights, N. Y. Glare signal for automobiles. 131,013; Jan. 6.
Apisdorf, Irving, New York, N. Y. Bracelet. 131,014; Jan. 6.
Barrett, Edward L., La Grange, assignor to Barrett Engineering Company, Chicago, Ill. Flagstaff. 131,015; Jan. 6.
Barrett Engineering Company. (See Barrett, Edward L., assignor.)
Berg, Willie, Chicago, Ill. Mute for a wind musical instrument. 131,016; Jan. 6.
Bittson, Anthony J., New York, N. Y. Fan. 131,003; Jan. 6.
Bolten, John, Andover, Mass., and R. H. Goldbaum, Plaistow, N. H. Shoe heel. 131,037; Jan. 6.
Bolten, John, Andover, Mass., and R. H. Goldbaum, Plaistown, N. H. Shoe heel. 131,038; Jan. 6.
Bolten, John, Andover, Mass., and R. H. Goldbaum, Plaistown, N. H. Shoe heel. 131,039; Jan. 6.
Brabon, Bernard O., Saint Regis Falls, N. Y. Game board. 131,017; Jan. 6.
Brusell, Ernest J., St. Paul, Minn., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 131,040; Jan. 6.
Buchholz, Israel, New York, N. Y. Dress. 131,004; Jan. 6.
Butler, Margot, New York, N. Y. Glove or similar article. 131,005; Jan. 6.
Butler, Margot, New York, N. Y. Lady's evening glove or similar article. 131,006; Jan. 6.
Carlson, Drexel T., assignor to C. E. Hovey, Kansas City, Mo. Bottle rack. 131,007; Jan. 6.
Chidsey, Charles A., Jr., Detroit, Mich. Laundry bag rack. 130,996; Jan. 6.
Coburn, Abbott, Chicago, Ill. Building siding panel. 131,018; Jan. 6.
Dannecker, Rudolph, Beacon, N. Y. Lace. 131,049; Jan. 6.
Dannecker, Rudolph, Beacon, N. Y. Lace. 131,050; Jan. 6.
Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)
Fein, Martin, New York, N. Y. Dress. 131,019; Jan. 6.
Flood, Minnie, Morrice, Mich. Potato chopper. 131,020; Jan. 6.
Gerhardt, Andrew H., Niles Center, assignor to Electric Household Utilities Corporation, Chicago, Ill. Supporting stand for ironing machines or other articles. 130,990; Jan. 6.
Goldberg, Carl, Haverhill, Mass. Shoe. 131,041; Jan. 6.
Goldbaum, Robert H. (See Bolten, J., and Goldbaum.)
Gray, Clarence F., Syracuse, N. Y. Candle holder. 130,991; Jan. 6.
Haggstrom, Arthur C., Rockford, Ill., assignor to E. H. Scott. Baffle board panel for radios or the like. 131,042; Jan. 6.
Hamer, Leland S., Los Angeles County, Calif. Line blind. 131,021; Jan. 6.
Hamer, Leland S., Los Angeles County, Calif. Line blind. 131,022; Jan. 6.
Hesse, Donald L. (See Mayer, Adolph T., assignor.)
Hopper, Millard, Brooklyn, N. Y. Checker board. 131,043; Jan. 6.
Hovey, C. Earl. (See Carlson, Drexel T., assignor.)
Howard, Styles T., Jeffersonville, Ind. Carrying case for a stove or similar article. 131,008; Jan. 6.
Hunter, Lee, Jr., University City, Mo. Combination battery charger and tester casing. 131,044; Jan. 6.
Johnson, William B., U. S. Army. Container mounting bracket. 131,045; Jan. 6.
Kemp, Ardath B. (See Albrecht, I. B., and Kemp.)
Kupper, Herman C., New York, N. Y. Plate or analogous article. 131,023; Jan. 6.
Kupper, Herman C., New York, N. Y. Cup or analogous article. 131,032; Jan. 6.
Lagana, John, Scarsdale, N. Y. Automobile or similar article. 131,046; Jan. 6.
Lagana, John, Scarsdale, N. Y. Automobile or similar article. 131,047; Jan. 6.
Lawson, F. H., Company, The. (See Adams, Wilbur H., assignor.)
Leavitt, Isaac J., Denver, Colo. Liquid dispensing unit. 130,992; Jan. 6.
Leslie, Freeland H., Chicago, Ill. Roof ventilator. 131,009; Jan. 6.
Leslie, Freeland H., Chicago, Ill. Roof ventilator. 131,010; Jan. 6.
Lewis, William G., Iola, Kans. Dental forceps. 130,993; Jan. 6.
MacGeachy, Cora, Hollywood, Calif. Doll. 130,994; Jan. 6.
Mayer, Adolph T., assignor of one-half to D. L. Hesse, Los Angeles, Calif. Display case. 130,995; Jan. 6.
Martin, Lynn P., and W. K. Olson, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen point. 130,997; Jan. J.
Martin, Lynn P., and W. K. Olson, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 130,998; Jan. 6.
Martin, Lynn P., and W. K. Olson, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 130,999; Jan. 6.
Martin, Lynn P., and W. K. Olson, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 131,000; Jan. 6.
Megibow, George, New York, N. Y. Textile fabric. 131,051; Jan. 6.
Moodey, Hannah C., Plainfield, N. J., assignor to Radio Corporation of America. Monoscope electrode plate. 131,033; Jan. 6.
O'Brien, Joseph F., Jersey City, N. J. Conduit receptacle or similar article. 131,024; Jan. 6.
O'Brien, Joseph F., Jersey City, N. J. Conduit or similar article. 131,025; Jan. 6.
O'Brien, Joseph F., Jersey City, N. J. Conduit receptacle or similar article. 131,026; Jan. 6.

O'Brien, Joseph F., Jersey City, N. J. Conduit receptacle or similar article. 131,027; Jan. 6.
Olson, Wilbur K. (See Martin, L. P., and Olson, assignors.)
Oppenhaim, Morris, New York, N. Y. Combined dog collar and tie. 131,052; Jan. 6.
Popper, Eric R., New York, N. Y. Knitted textile fabric. 131,034; Jan. 6.
Popper, Eric R., New York, N. Y. Knitted textile fabric. 131,035; Jan. 6.
Popper, Eric R., New York, N. Y. Knitted textile fabric. 131,036; Jan. 6.
Radio Corporation of America. (See Moodey, Hannah C., assignor.)
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics and other articles. 131,028; Jan. 6.
Russell, William E., North Hollywood, Calif. Tool case. 131,029; Jan. 6.
Scott, E. H. (See Haggstrom, Arthur C., assignor.)
Shaughnessy, Harry G., Detroit, Mich. Ash tray. 131,011; Jan. 6.
Sheaffer, W. A., Pen Company. (See Martin, L. P., and Olson, assignors.)
Stall & Dean Manufacturing Company. (See Stall, Richard G., assignor.)
Stall, Richard G., assignor to Stall & Dean Manufacturing Company, Brockton, Mass. Mitten. 131,053; Jan. 6.
Utter, Harold O., Richmond, Ind. Combined handles, escutcheons, and corner plates for a casket or similar article. 131,030; Jan. 6.
Warsaw, David, Chicago, Ill. Clock or similar article. 131,031; Jan. 6.
Yotte, Charles C., Jamaica, N. Y. Combined dial and hands for a clock or similar article. 131,048; Jan. 6.
Zahn, Samuel, New York, N. Y. Dress ensemble. 131,012; Jan. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding. 2,268,554; Jan. 6.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Abelmann, Rudolf, Himmelpfort, Germany. Drawer for articles of furniture. 2,268,917; Jan. 6.
Acme-Steel Company. (See Ott, John E., assignor.)
Acrotorque Company, The. (See Moller, Conrad G., 3rd, assignor.)
Acrotorque Company, The. (See Orshansky, Elias, Jr., assignor.)
Adams, Roger, Champaign, Ill., and C. W. J. Wende, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire retardent textile. 2,268,556; Jan. 6.
Addressograph-Multigraph Corporation. (See Van Dusen, Charles H., Jr., assignor.)
Adee, Chester A., trustee et al. (See Hedlund, Folke G. H.)
Adler, George S., New York, and H. W. Waldorf, Staten Island, assignors of one-half to said Adler and one-half to S. Prince, New York, N. Y. Hatmaking machine. 2,268,555; Jan. 6.
Aetna Manufacturing Company, The. (See Peer, Leonard R., assignor.)
Aetna-Standard Engineering Company, The. (See Matteson, Elwin A., assignor.)
Air Devices Incorporated. (See O'Day, Cortland N., assignor.)
Aktiebolaget Svenska Fläktfabriken. (See Wellmar, Sven, assignor.)
Allan, James R., Oak Park, and F. H. Amos, Fox Lake, Ill., assignors to American Air Filter Company, Inc., Louisville, Ky. Rocking electric furnace ventilating system. 2,268,918; Jan. 6.
Allen-Bradley Company. (See Tellkamp, Bernhard F., assignor.)
Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for molding glass articles. 2,269,391; Jan. 6.
Allenby, William F., Stratford, Conn., assignor to General Electric Company. Coupling. 2,269,170; Jan. 6.
Allender, Samuel S., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,268,557; Jan. 6.
Allis-Chalmers Manufacturing Company. (See Schiffiin, H., and Dunn, assignors.)
Allis-Chalmers Manufacturing Company. (See Scranton, Charles J., assignor.)
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,269,238; Jan. 6.
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,269,239; Jan. 6.
AlnCin, Inc. (See Beck, Earl W., assignor.)
Amato, Frank S., et al. (See Luti, Guido A., assignor.)
Amato, John, et al. (See Luti, Guido A., assignor.)
American Air Filter Company. (See Allan, J. R., and Amos, assignors.)
American Can Company. (See Ball, Charles O., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Pelosi, Nicholas, assignor.)
American Cast Iron Pipe Company. (See Moore, William D., assignor.)
American Coating Mills, Inc. (See Moore, Lawrence A., assignor.)
American Cyanamid Company. (See Jayne, David W., Jr., assignor.)
American Cyanamid Company. (See Kuh, Erwin, assignor.)
American Cyanamid Company. (See Osborne, John L., assignor.)
American Cyanamid Company. (See Roblin, Richard O., Jr., assignor.)
American Cyanamid Company. (See Swackhamer, Farris S., assignor.)
American Engineering Company. (See Myers, Charles L., assignor.)
American Optical Company. (See Coddu, L. W., and Crawford, assignors.)
American Optical Company. (See Kinney, F. D., and Goddu, assignors.)
American Optical Company. (See Oker, Arne J., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Safety Tank Co. (See Coleman, Rolla C., assignor.)
American Seating Company. (See Vandervoort, Milford T., assignor.)
American Steel Foundries. (See Flesch, John E., assignor.)
American Telephone and Telegraph Company. (See Curley, Kieran J., assignor.)
American Telephone and Telegraph Company. (See Dewire, Donald S., assignors.)
American Telephone and Telegraph Company, et al. (See McCown, R. B., Schneckloth, and Smith, assignors.)
American Telephone and Telegraph Company. (See Page, H. F., and Richard, assignors.)
American Telephone and Telegraph Company. (See Patton, Oscar M., assignor.)
American Welding Company. (See Leddy, Harry J., assignor.)
Amos, Frank H. (See Allan, J. R., and Amos.)
Anchor Manufacturing Company. (See Johansson, Ernest G., assignor.)
Anderau, Walter, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Polyazo dyestuffs and making same. 2,268,919; Jan. 6.
Anderson, Gilbert R. (See Netherly, G. P., Anderson, and Cross.)
Anderson, Henry A., Swampscott, Mass., assignor to General Electric Company. Recording instrument. 2,269,240; Jan. 6.
Anderson, Maurice P., Chicago, Ill. Pneumatic tube carrier. 2,268,852; Jan. 6.
Anderson, Nelson F., Los Angeles, Calif. Lining tunnels or subterranean passages. 2,269,418; Jan. 6.
Anderson, William C., Montclair, N. J. Plotting great circle courses and apparatus. 2,268,632; Jan. 6.
Andren, Karl H., and K. J. Papke, assignors, by mesne assignments, to Counter and Control Corporation, Milwaukee, Wis. Counter. 2,269,330; Jan. 6.
Andrews, Christopher, Seattle, Wash. Sanitary cube sugar dispenser. 2,268,688; Jan. 6.
Andrews, Edward F., Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y. Radio receiver. 2,268,792; Jan. 6.
Andrews, Edward F., Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y. Radio receiver. 2,269,300; Jan. 6.
Andrews, John S., Los Angeles, Calif. Combination floor furnace and evaporative cooling unit. 2,268,540; Jan. 6.
Andrus, Richard B., Boulder County, Colo. Tractor operated loader. 2,268,689; Jan. 6.
Anstice, Josiah, & Company. (See Anstice, Mortimer R., assignor.)
Anstice, Mortimer R., assignor to Josiah Anstice & Company, Inc., Rochester, N. Y. Mixing machine implement or tool. 2,269,301; Jan. 6.
Arbogast, Fred A., Akron, Ohio. Artificial fish bait. 2,268,541; Jan. 6.
Arbron, Thomas J., Royal Oak, assignor to Capac Manufacturing Company, Capac, Mich. Table. 2,269,331; Jan. 6.
Armstrong Cork Company. (See Martin, John N., assignor.)
Armstrong Cork Company. (See Tucker, William B., assignor.)
Aronson, Jerome B., F. Kusch, and J. L. Eisendrath, Jr., assignors to Banthrico, Inc., Chicago, Ill. Coin bank. 2,268,690; Jan. 6.
Arthur, John M., Jr. (See Turner, C. G., and Arthur.)
Artistic Foundations, Inc. (See Butow, Abe M., assignor.)
Askania-Werke A. G. (See Müller, Wolfgang, assignor.)
Askania-Werke A. G. (See Wilde, K., and Ziak, assignors.)
Aske, Leonard E., assignor to McGraw Electric Company, Elgin, Ill. Coffee maker. 2,268,633; Jan. 6.
Askeris, Bert, Kenosha, Wis. Truck. 2,268,793; Jan. 6.
Atwell, Harold V., and F. H. Bruner, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of gasoline. 2,269,302; Jan. 6.
Auto Research Corporation. (See Douglas, Percy, assignor.)
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)

Automotive Economy Corporation. (See Schwarz, Alfred, assignor.)
Aviation Manufacturing Corporation. (See Lampton, G. T., Hackethal, and Briggs, assignors.)
Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Terminal conductor. 2,269,241; Jan. 6.

Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)
Backstrom, Adolph, Hempstead, N. Y. Soap rack. 2,269,206; Jan. 6.
Bacon, John J., Gasport, N. Y. Woodcutting machine. 2,269,352; Jan. 6.
Badertscher, Darwin E. (See Moran, R. C., Badertscher, and Berger.)
Bahney, Luther W., Elisabeth, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Process and apparatus for making gas. 2,269,392; Jan. 6.
Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Furnace construction. 2,268,558; Jan. 6.
Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Steam boiler. 2,268,559; Jan. 6.
Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Vapor generator. 2,268,560; Jan. 6.
Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Welt shoe and insole therefor. 2,268,561; Jan. 6.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Magnetic contact device. 2,269,242; Jan. 6.
Baldwin Locomotive Works, The. (See Tate, Malcolm C., assignor.)
Balfe, George T., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Process of and apparatus for fabricating glass run guides. 2,268,562; Jan. 6.
Ball, Charles O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Method of and apparatus for canning. 2,268,563; Jan. 6.
Baltimore Paper Company. (See Miller, Otto E., assignor.)
Bambach, Frank J., Newington, Conn. Pencil tip and sharpener. 2,269,304; Jan. 6.
Bangerter, Fred, Detroit, Mich. File holder. 2,268,634; Jan. 6.
Bantam Bearings Corporation. (See Frauenthal, H., and Thomas, assignors.)
Banthrico, Inc. (See Aronson, J. B., Kusch, and Eisendrath.)
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barkelew, James T., et al. (See Kennedy, Roy J., assignor.)
Barkley, Earl B. (See Mackintosh, G. L., Barkley, England, and Willson.)
Barrish, Robert L., Pittsburgh, Pa. Mechanical movement. 2,269,351; Jan. 6.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,268,997; Jan. 6.
Bassett, Ralph T. (See Ericson, G. R., and Bassett.)
Batsel, Cecil N., Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording system. 2,269,074; Jan. 6.
Batten, Percy H., trustee, et al. (See Lysholm, Alf, assignor.)
Bauer & Schaurte. (See Buchholz, Erich, assignor.)
Baumfalk, John, Clifton, and O. C. Hall, Radburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,268,635; Jan. 6.
Baumgartner, Clarence, assignor of twenty-five per cent to J. Haydon, Iron River, Mich. Holder for fishing tackle. 2,268,920; Jan. 6.
Baxter, James G., Rochester, N. Y., and J. L. Jakobsen, Minneapolis, Minn., assignors to Distillation Products, Inc., Rochester, N. Y. Preparation of oils containing antioxidants. 2,269,243; Jan. 6.
Bay, Zoltan, Ujpest, near Budapest, assignor to Magyar Wolframlámpa Gyár Kremenecsky János Részvénytársaság, Budapest, Hungary. Reducing disturbances in radio reception. 2,268,998; Jan. 6.
Beam, Vilynn O., Cleveland Heights, and J. Converse, East Cleveland, assignors to The Bryant Heater Company, Cleveland, Ohio. Automatic lighter. 2,269,356; Jan. 6.
Beardsley, Harry I., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,268,794; Jan. 6.
Beasley, Joseph A., et al. (See Reid, James R., assignor.)
Beaver Pipe Tools Inc. (See Pealer, Robert B., assignor.)
Beck, Earl W., Eggertsville, N. Y., assignor, by mesne assignments of fifty-one per cent to AlnCin, Inc. Packaging beverages. 2,268,734; Jan. 6.
Becker, Emil, Munich, Germany. Connecting metal sheets. 2,268,636; Jan. 6.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Treatment of nitrosyl chloride-chlorine mixtures. 2,268,999; Jan. 6.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Production of nitrates from nitric acid and chlorides. 2,269,000; Jan. 6.
Behnke, George W., assignor to Simplicity Engineering Company, Durand, Mich. Screen stretching and take-up device. 2,268,553; Jan. 6.
Bell Aircraft Corporation. (See Salisbury, Frank M., assignor.)
Bell, John M., Chester, S. C. Drag testing device. 2,269,205; Jan. 6.
Bell Telephone Laboratories, Incorporated. (See Baumfalk, J., and Hall, assignors.)
Bell Telephone Laboratories, Incorporated. (See Beardsley, Harry L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hecht G., and Landstrom, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hersey, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbell, J. D., and Wiebusch, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kinsburg, Boris J., assignor.)
Bell Telephone Laboratories, Incorporated, et al. (See McCown, R. B., Schneckloth, and Smith, assignors.)
Bell Telephone Laboratories, Incorporated. (See Murphy, Paul E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Polkinghorn, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vadersen, Charles W., assignor.)
Benander, George B., Oaklawn, R. I., assignor to Monowatt Electric Corporation, Bridgeport, Conn. Electric switch. 2,269,171; Jan. 6.
Bench, David E., and M. A. Crosby, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Synchronising airplane engines. 2,269,332; Jan. 6.
Bendix Aviation Corporation. (See Goepfrich, George A., assignor.)
Bendix Aviation Corporation. (See Irving, John S., assignor.)
Bendix Aviation Corporation. (See Rafferty, Christopher A., assignor.)
Bendix Aviation Corporation. (See White, John W., assignor.)
Bendix Home Appliances, Inc. (See Bloomfield, John J., assignor.)
Bendix Home Appliances, Inc. (See Fields, George C., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Fitch, Ellery R., assignor.)
Berger, Henry G. (See Hamilton, L. A., Fuller, and Berger.)
Berger, Henry G. (See Moran, R. C., Badertscher, and Berger.)
Bergmann, Christian N., Pittsburgh, assignor of one-third to C. M. Clarke, Sewickley, Pa. Conveyer chain. 2,268,542; Jan. 6.
Beringer, Cornelius R., Pestszentlorincz, assignor, by mesne assignments, to C. R. Beringer, E. and E. Horvát, F. Solt, and A. Spiegel, Budapest, Hungary. Manufacturing of zinc oxide. 2,269,355; Jan. 6.
Berkowitz Envelope Company. (See Berkowitz, Eugene B., assignor.)
Berkowitz, Eugene B., assignor to Berkowitz Envelope Company, Kansas City, Mo. Money compartment envelope. 2,268,795; Jan. 6.
Bernard, Lionel, Camden, N. J. Antifreeze composition. 2,269,138; Jan. 6.
Bernstein, Celia, Brooklyn, N. Y. Adjustable partition. 2,268,637; Jan. 6.
Berry, Bernie B., Indianapolis, Ind. Tire. 2,269,244; Jan. 6.
Best Foods, Inc., The. (See Schaub, Gordon C. and J., assignors.)
Bethlehem Steel Company. (See Eaton, John F., assignor.)
Beutner, Reinhard. (See Wastl, H., and Beutner.)
Beyer, Walter E. (See Norton, William J., assignor.)
Biering, Christian H. (See Krogh, K. P., and Biering.)
Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,268,638; Jan. 6.
Birdsall, Alvin C., administrator. (See Birdsall, Wilfred T.)
Birdsall, Wilfred T., deceased, Montclair, N. J., by A. C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Apparatus and process for storage of dry ice. 2,269,172; Jan. 6.
Birdsall, Wilfred T., deceased, Montclair, N. J., by A. C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Storing refrigerants. 2,269,173; Jan. 6.
Birdsall, Wilfred T., deceased, Montclair, N. J., by A. C. Birdsall, administrator, Washington, D. C., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Dry ice storage. 2,269,174; Jan. 6.

Bischoff, Louis, R. Loeffler, Jr., and R. T. Jaeger, assignors to Oneida Paper Products, Inc., New York, N. Y. Double gripper cylinder. 2,268,921; Jan. 6.
Bisset, William, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada. Loading and unloading conveyer apparatus. 2,268,602; Jan. 6.
Blaw-Knox Company. (See Boyer, William R., assignor.)
Blenkinsop, Ward, & Company Limited. (See Goldberg, A. A., and Wiesner, assignors.)
Blessing, Gregory W., Moorestown, N. J., assignor to Radio Corporation of America. Motor. 2,269,245; Jan. 6.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Producing cellulose derivatives. 2,268,564; Jan. 6.
Bliss, E. W., Company. (See Klocke, William H., assignor.)
Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)
Bloom, Frederick S., Pittsburgh, Pa. Fuel burner. 2,269,333; Jan. 6.
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Elastic fluid turbine. 2,269,175; Jan. 6.
Bloomfield, John J., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Control device. 2,269,246; Jan. 6.
Blue Bird Silk Mfg. Co. Inc. (See De Roos, Louis, assignor.)
Bluemle, Arnold A. (See Little, J. H., Bluemle, and Brown.)
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve amplifier. 2,269,001; Jan. 6.
Bocchino, Ernest, Clifton, assignor of one-half to S. Greenwald, Passaic, N. J. Animated doll. 2,269,334; Jan. 6.
Boerner, Rudolf, assignor to C. Lorenz Aktiengesellschaft, Berlin, Germany. Directive antenna system. 2,269,075; Jan. 6.
Bohlen, Henry E., Brooklyn, N. Y. Illusionary display device. 2,269,002; Jan. 6.
Bohn Aluminum & Brass Corporation. (See McCullough, William E., assignor.)
Boll, Fred J., assignor to Globe-Union Inc., Milwaukee, Wis. Spark plug. 2,269,076; Jan. 6.
Bonsiakos, Michael N., San Francisco, Calif. Pneumatic tire tube. 2,269,003; Jan. 6.
Booge, James E., Wilmington, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing improved titanium pigments. 2,269,139; Jan. 6.
Boosey, Edward W. N., Detroit, Mich. Grease trap. 2,268,854; Jan. 6.
Booth, Ralph E., and J. Scorzoni, Lynn, Mass., assignors to General Electric Company. Coated refractory melting pot. 2,269,176; Jan. 6.
Borah, John E., Penn Township, St. Joseph County, Ind. Reinforced shipping box. 2,269,247; Jan. 6.
Borchert, Fritz, Berlin-Britz, B. Kleindienst, Berlin-Niederschoneweide, H. Eule, Berlin-Karlshorst, and R. Pilz, Berlin-Johannisthal, assignors to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis, Teltow, Germany. Enclosed electric wiring system. 2,269,177; Jan. 6.
Borg-Warner Corporation. (See Hill, Ira B., assignor.)
Boucher, Charles P., Jersey City, N. J., assignor to Boucher Inventions, Limited. Method and apparatus for winding coils. 2,269,405; Jan. 6.
Boucher Inventions, Limited. (See Boucher, Charles P., assignor.)
Boyer, William R., Oakmont, Pa., assignor to Blaw-Knox Company. Conveying apparatus. 2,268,693; Jan. 6.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Ultrahigh frequency radio device. 2,268,639; Jan. 6.
Brady, John B., et al. (See Beasley, Joseph A., assignor.)
Brainard Steel Corporation. (See Hinsdale, Clare L., assignor.)
Brauer, Walter, Oklahoma City, Okla. Sectional derrick. 2,268,796; Jan. 6.
Breen, Henry D., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Holding and releasing mechanism for railroad hand brakes. 2,269,004; Jan. 6.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Control device for burners. 2,269,248; Jan. 6.
Breier, Horace G. (See McConnell, J. A., and Breier.)
Breneman, Walter E., York, Pa. Frankfurter cooker. 2,269,178; Jan. 6.
Bresheer, Elbert, Jr., assignor to Tedder Fruit Branding Machine Company, Inc., McAllen, Tex. Fruit branding machine. 2,268,797; Jan. 6.
Breyer, Frank G. (See Huber, W., Breyer, and Burgess.)
Briggs, Arthur T. (See Lampton, G. T., Hackethal, and Briggs.)
Brilhart, Arnold, Great Neck, N. Y. Reed for musical instruments. 2,268,641; Jan. 6.
Brooke, Frank W., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Electrically heated furnace. 2,268,691; Jan. 6.
Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrrole methine and tri-methine cyanine backing dyes. 2,268,798; Jan. 6.
Brooks, Alfred R. (See Van Derhoef, H. E., and Brooks.)
Brooks, John A., Detroit, Mich. Lawn sprinkling apparatus. 2,268,865; Jan. 6.
Browne, Everett C., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Automatic control for trolley frogs. 2,268,922; Jan. 6.
Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Rotary beam antenna. 2,268,640; Jan. 6.
Brown, Gordon H., assignor to Electromaster, Inc., Detroit, Mich. Heat control system and means. 2,268,737; Jan. 6.
Brown, William E. (See Little, J. H., Bluemle, and Brown.)
Browning, George. (See Jepson, I., and Browning.)
Brück, Lothar, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Zehlendorf, Ostswg, Berlin, Germany. Modulation circuit organization. 2,269,140; Jan. 6.
Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Controlled feedback circuit. 2,269,249; Jan. 6.
Brundage, Homer L., Toledo, Ohio. Feed cleaner for grain grader sample dividers. 2,269,179; Jan. 6.
Bruner, Frank H., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,269,250; Jan. 6.
Bruner, Frank H. (See Atwell, H. V., and Bruner.)
Brush Beryllium Company, The. (See Sawyer, Charles B., assignor.)
Brush Development Company, The. (See Williams, Alfred L. W., assignor.)
Bryant Electric Company, The. (See Johnson, G. A., and Seim, assignors.)
Bryant Heater Company, The. (See Beam, V. O., and Converse, assignors.)
Bryant, James R., Strathroy, Ontario, Canada. Combined ground working and soil pulverising machine. 2,268,923; Jan. 6.
Buchholz, Erich, Hamburg-Wandsbek, assignor to Bauer & Schaurte, Neuss-on-Rhine, Germany. Grinding machine. 2,268,694; Jan. 6.
Buffalo Forge Company. (See Rideout, Russell H., assignor.)
Burgess, Lothian M. (See Huber, W., Breyer, and Burgess.)
Burroughs, Robert I., Henderson, N. C. Thermostatic controlled furnace damper. 2,269,180; Jan. 6.
Buschbeck, Werner, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Zehlendorf, Germany. Signaling system. 2,268,735; Jan. 6.
Butow, Abe M., assignor to Artistic Foundations, Inc., New York, N. Y. Sewing mechanism for stitching wire eye fasteners. 2,268,799; Jan. 6.
Butzien, Oscar C., Portland, Oreg. Automobile parking apparatus. 2,268,800; Jan. 6.
Buxton, Loran O., Harrison, and L. T. Rosenberg, Ridgefield Park, assignors to National Oil Products Company, Harrison, N. J. Water-dispersible vitamin-containing composition and cosmetic including the same. 2,268,736; Jan. 6.
Cahoy, Vincent F., Colome, S. Dak. Soil and moisture conserving disk or blade. 2,269,051; Jan. 6.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,269,141; Jan. 6.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,269,142; Jan. 6.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,269,143; Jan. 6.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,269,144; Jan. 6.
Capac Manufacturing Company. (See Arbron, Thomas J., assignor.)
Carlson, Bert G., Willobee, assignor to The Weatherhead Company, Cleveland, Ohio. Pump. 2,268,695; Jan. 6.
Carlson, George, trustee, et al. (See Hedlund, Folke G. H., assignor.)
Carlton, Dave P., Houston, Tex. Portable fan. 2,268,801; Jan. 6.
Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Fruit position inspector. 2,268,696; Jan. 6.
Carson, Benjamin R., Camden, assignor to Morton Tucker, Magnolia, N. J. Lid support. 2,269,251; Jan. 6.
Carter, Henry M. and W. W., Brundidge, Ala. Separating table. 2,269,077; Jan. 6.
Carter, Horace M., New York, N. Y. Composition in cream form adapted to remove hardened liquid nail polish and making same. 2,268,642; Jan. 6.
Carter, William W. (See Carter, Henry M. and W. W.)
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,269,078; Jan. 6.
Case, J. I., Company. (See Hendricks, Simeon B., assignor.)
Celanese Corporation of America. (See Rooney, J. H., Hawtin, and Chaplin, assignors.)
Chace, Thomas B., Winnetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Making composite bearing metal and products thereof. 2,268,565; Jan. 6.

Chace, Thomas B., Winnetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Mold for producing composite metal stock. 2,268,566; Jan. 6.
Chalkin, Isidore A., Great Neck, N. Y. Holder for markers or razor blades. 2,269,005; Jan. 6.
Chance, A. B., Company. (See Hubbard, David C., assignor.)
Chaplin, Stephen R. (See Rooney, J. H., Hawtin, and Chaplin.)
Cheatham Electric Switching Device Co. (See Brown, Everett C., assignor.)
Cheatham Electric Switching Device Co. (See Richterkessing, Frank H., assignor.)
Chemical Marketing Company Inc. (See Krefft, Oswald, assignor.)
Chenette, Joseph C., Flat Rock, Mich. Strap buckle. 2,268,738; Jan. 6.
Chesnut, William C., assignor to Hartman Trunk Company, Racine, Wis. Luggage tray. 2,269,252; Jan. 6.
Chesterman, John A., assignor to Chesterman Leeland Company, Philadelphia, Pa. Surgical truss structure. 2,269,353; Jan. 6.
Chesterman Leeland Company. (See Chesterman, John A., assignor.)
Chicago Flexible Shaft Company. (See Jepson, I., and Browning, assignors.)
Christ, Karl, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arrangement for amplifying electric oscillations. 2,269,079; Jan. 6.
Christiansen, Elvin, Hayward, Calif. Line drier. 2,268,739; Jan. 6.
Christopher, Clinton J. (See Hollander, Bartley G., assignor.)
Ciba Pharmaceutical Products, Incorporated. (See Meier, Rolf, assignor.)
Clad Metals Industries, Inc. (See Chace Thomas B., assignor.)
Clark, Edward H., Danville, Ill. Shoe tree. 2,269,006; Jan. 6.
Clark, Henry T., St. Petersburg, Fla. Edger. 2,269,007; Jan. 6.
Clark, J. R., Company, The. (See Place, L. W., and John, assignors.)
Clarke, Charles M. (See Bergmann, Christian N., assignor.)
Clarke, Edward B., Lynn, Mass., assignor to General Electric Company. Gas turbine driven supercharger. 2,269,181; Jan. 6.
Claspy, Hugh J., Monaca, and E. V. Ogg, Etna, assignors to Phoenix Glass Company, Monaca, Pa. Illuminating unit. 2,269,182; Jan. 6.
Clayton, Benjamin, Sugarland, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev. Refining oils containing free fatty acids. 2,268,567; Jan. 6.
Cleveland Pneumatic Tool Company, The. (See De Mooy, John, assignor.)
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Assembling fluid operated pumps. 2,268,543; Jan. 6.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Lubricated piston. 2,268,544; Jan. 6.
Coffman, Samuel M., Kansas City, Mo. Driving mechanism. 2,268,802; Jan. 6.
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,269,008; Jan. 6.
Cohn, Irwin E. (See Zadek, A., and Cohn.)
Coldwell, John S., and R. H. Goetsch, assignors to Globe-Union Inc., Milwaukee, Wis. Roller skate. 2,269,080; Jan. 6.
Cole, Robert M. (See Liedholm, G. E., Cole, and Shultz.)
Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)
Coleman, Rolla C., assignor to American Safety Tank Co., Kansas City, Mo. Fuel tank. 2,268,697; Jan. 6.
Colvin, Cleve B. J., Goldthwaite, Tex. Nutcracker. 2,269,052; Jan. 6.
Cone Automatic Machine Company Inc. (See Jones, George W., assignor.)
Conners, Carl L., assignor to W. F. Stimpson, Louisville, Ky. Weighing scale. 2,269,698; Jan. 6.
Connon, Robert B. (See McGuire, M. J. A., and Connon.)
Continental Gin Company. (See Morgan, George C., assignor.)
Converse, Julius. (See Beam, V. O., and Converse.)
Consetti, Achille. (See Hasler, A., Conzetti, and Krebser.)
Cook, Robert A., Denver, Colo., assignor to Sullivan Machinery Company. Material handling apparatus. 2,268,568; Jan. 6.
Cooper, Benjamin, Jersey City, N. J. Time stamp. 2,268,924; Jan. 6.
Cooper, Benjamin, Jersey City, N. J. Traffic counting circuits. 2,268,925; Jan. 6.
Cooper, Lester. (See Roberts, D., and Cooper.)
Corbin, Francis L., Chatham, N. J., assignor to Pitometer Log Corporation. Rotary centrifugal pressure producing device. 2,269,009; Jan. 6.
Corbin, Francis L., Chatham, N. J., assignor to Pitometer Log Corporation. Travel indicator for ships. 2,269,068; Jan. 6.
Corner, George H. C., Sutton Coldfield, England, assignor to Talon, Inc. Separable fastener. 2,268,571; Jan. 6.
Corning Glass Works. (See McLachlan, Dan, Jr., assignor.)
Corning Glass Works. (See Mitford, John B., assignor.)
Cornock, Edward F., assignor to Package Machinery Company, Springfield, Mass. Cigarette package. 2,268,926; Jan. 6.
Corrall, Herbert, St. Alban, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Piece-end stitching machine. 2,269,253; Jan. 6.
Cory, Dewey, Dousman, Wis. Neck duster. 2,268,740; Jan. 6.
Cotner, John C., Logansport, Ind., assignor to Logansport Machine, Inc. Fluid control valve. 2,268,699; Jan. 6.
Counter and Control Corporation. (See Andren, K. H., and Papke, assignors.)
Cowl, John S., Swoope, Va. Fruit inspection conveyer. 2,268,803; Jan. 6.
Crafts, Walter. (See Critchett, J. H., and Crafts.)
Crampton, David, Montclair, assignor to Wallace & Tiernan Co. Inc., Belleville, N. J. Procedure and apparatus for controlling the treatment of flowing material. 2,269,393; Jan. 6.
Crane, Hubert R., Los Angeles, Calif. Plumber's snake housing shell. 2,269,406; Jan. 6.
Crawford, Ian C. (See Goddu, L. W., and Crawford.)
Crawford, Robert B. P., Athens, Ga. Air conditioning system. 2,269,053; Jan. 6.
Creech, Merl D. (See Raymond, G., Creech, and Feagles.)
Cribb, Harold H., Glenside, South Australia, assignor to Vacuum Extractors Limited, Adelaide, South Australia, Australia. Machine for manufacturing egg pulp. 2,269,254; Jan. 6.
Crider, Harry P., Chicago, Ill. Signal device. 2,268,545; Jan. 6.
Criger, Guy N., and L. R. Dehler, Rock Island, Ill. Incandescent electric lamp. 2,268,700; Jan. 6.
Critchett, James H., Douglaston, and W. Crafts, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Addition agent and its use in the treatment of iron and steel. 2,269,407; Jan. 6.
Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pumping equipment. 2,268,701; Jan. 6.
Crosby, Melvin A. (See Bench, D. E., and Crosby.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation distance finder. 2,268,643; Jan. 6.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Cathode-driven oscillator. 2,269,417; Jan. 6.
Crosley Corporation, The. (See Daugherty, Roger M., assignor.)
Cross, Bert S. (See Netherly, G. P., Cross, and Anderson.)
Cruickshank, Alexander, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Testing the machinability of free-cutting steel. 2,269,360; Jan. 6.
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Cut film back for cameras. 2,269,183; Jan. 6.
Culter, Samuel H., and R. E. Himelick, assignors to The Upjohn Company, Kalamazoo, Mich. Stabilized ergot alkaloid preparation. 2,269,145; Jan. 6.
Cunningham, Andrew J., Snyder, assignor to A. H. Sharpe, Buffalo, N. Y., Manufacturing stemmed glassware. 2,269,010; Jan. 6.
Cummings, Roy W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and apparatus for cutting blanks from sheet material. 2,268,856; Jan. 6.
Cuno, Charles H., and S. L. Wolfson, assignors to The Cuno Engineering Corporation, Meriden, Conn. Electric lighter for cigars, cigarettes, etc. 2,269,394; Jan. 6.
Cuno Engineering Corporation, The. (See Cuno, C. H., and Wolfson, assignors.)
Curley, Kieran J., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,269,335; Jan. 6.
Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,268,572; Jan. 6.
Curtis Pump Company. (See Curtis, Russell R., assignor.)
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Aircraft fuel pump. 2,268,804; Jan. 6.
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Aircraft fuel pump. 2,268,805; Jan. 6.
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. By-pass valve for aircraft fuel pumps. 2,268,806; Jan. 6.
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Aircraft fuel pump. 2,268,807; Jan. 6.
Dahlberg, Arthur O., New York, N. Y. Shoelace lock device. 2,268,644; Jan. 6.
D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Resinous composition. 2,269,186; Jan. 6.
D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Halogenated benzoic ester. 2,269,187; Jan. 6.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood latching means. 2,268,741; Jan. 6.
Dallos, George, assignor to Magyar Wolframlámpa Gyár Kremenezky János Részvénytársaság, Budapest, Hungary. Method and arrangement for limiting interferences in radio receiving apparatus. 2,269,011; Jan. 6.
Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,269,184; Jan. 6.
Daniska, John G., Vandergrift, Pa. Roller skate attachment. 2,269,362; Jan. 6.
Dann, Charles W., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,268,645; Jan. 6.
Daugherty, Roger M., assignor to The Crosley Corporation, Cincinnati, Ohio. Variable inductance device. 2,268,742; Jan. 6.
Davenport, Frederick H. (See Johannesmeyer, Charles G., assignor.)
Davidson Chemical Corporation, The. (See Gabeler, W. H., Wilson, and Tongue, assignors.)
Davies, Caleb, Jr., Ben Avon, assignor to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa. Low temperature coal tar derivative insecticide, fungicide, and the like, and making the same. 2,269,336; Jan. 6.
Davis, Arthur J. (See Davis, Thomas A., assignor.)
Davis, Jack O., Portland, assignor to Henry Hughes & Son, Limited, London, England. Recording device. 2,268,808; Jan. 6.
Davis, Thomas A., assignor of one-half to A. J. Davis, San Pedro, Calif. Game. 2,269,095; Jan. 6.
Davis, Thomas F., Wyandotte, Mich. Crusher. 2,269,306; Jan. 6.
Dawson, Edward S., Jr., Schenectady, N. Y., assignor to General Electric Company. Forming coil insulation. 2,269,185; Jan. 6.
Dayton Rubber Mfg. Company, The. (See Freedlander, Abraham L., assignor.)
Dayton Steel Foundry Company, The. (See Walther, G., and Leslie, assignors.)
Dearing, Le Roy M., assignor to Eastman Kodak Company, Rochester, N. Y. Removal of filter dyes from color films. 2,269,146; Jan. 6.
De Carli, John J., Stockton, Calif. Individual stall system for cow milking. 2,269,012; Jan. 6.
Dehler, Lee R. (See Criger, G. N., and Dehler.)
De Laval Separator Company, The. (See Flowers, Alan F., assignor.)
Demme, William E., Portland, Oreg. Display rack. 2,268,927; Jan. 6.
De Mooy, John, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,269,188; Jan. 6.
Dent, Theodore W., Hyattsville, Md. Foot mallet. 2,269,357; Jan. 6.
De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 2,268,702; Jan. 6.
De Roon, Louis, Ridgewood, N. J., assignor to Blue Bird Silk Mfg. Co., Inc., New York, N. Y. Woven elastic fabric. 2,268,809; Jan. 6.
D'Errico, John, Brooklyn, N. Y. Amusement device. 2,268,646; Jan. 6.
Detroit Gasket & Manufacturing Company. (See Balfe, George T., assignor.)
Detroit Lubricator Company (See Dillman, E. J., and True, assignors.)
Deutsche-Hydrierwerke Aktiengesellschaft. (See Hentrich, W., and Engelbrecht, assignors.)
Dewey and Almy Chemical Company. (See Mark, J. G., and Lanigan, assignors.)
Dewey, Charles S., Jr. (See Ellis, C., and Dewey.)
Dewire, Donald S., Delmar, N. Y., assignor to American Telephone and Telegraph Company. Code calling system. 2,269,361; Jan. 6.
Dickerson, James H., New Philadelphia, Ohio. Method of and apparatus for separating composite material into its components. 2,269,307; Jan. 6.
Dickey, Charles T., Elizabeth, N. J. Making blanks. 2,268,703; Jan. 6.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Di (aryl amino) alkacyl amide. 2,269,147; Jan. 6.
Dietz, Karl, Kronberg in Taunus, and F. Privinsky, Hofheim in Taunus, Germany, assignors, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa. Cement powders and producing acidproof mortars therefrom. 2,269,096; Jan. 6.
Dijkstra, Folkert, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Asphalt composition. 2,268,810; Jan. 6.
Dilles, Alphonse F. (See Dilles, Paul F., A. F., and F. A.)
Dilles, Frank A. (See Dilles, Paul F., A. F., and F. A.)
Dilles, Paul F., A. F., and F. A., New York, N. Y., assignors, by mesne assignments, to P. F. Dilles. Composition and process for the treatment of sewage and waste material and sludges therefrom. 2,268,647; Jan. 6.
Dillman, Earnest J., Detroit, and G. R. True, Grosse Pointe Farms, assignors to Detroit Lubricator Company, Detroit, Mich. Refrigeration control apparatus. 2,269,395; Jan. 6.
Distillation Products, Inc. (See Baxter, J. G., and Jakobsen, assignors.)
Distillation Products, Inc. (See Hecker, John C., assignor.)
Dodge, George D., Evanston, Ill. Blind and curtain. 2,268,858; Jan. 6.
Doehler Die-Casting Co. (See Ericson, Arvid C., assignor.)
Döhle, Hinrich, Berlin-Alt-Glienicke, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany. Impulse sender. 2,268,859; Jan. 6.
Dollar, William T., Riverside, Calif. Toilet appliance. 2,269,354; Jan. 6.
Dooley, William D., Springfield, Ohio. Oil burning heater. 2,268,857; Jan. 6.
Dorfman, Irving, New York, N. Y. Collapsible carrying container. 2,269,013; Jan. 6.
Dostal & Lowey Co. (See Read, Philip C., assignor.)
Douglas, Percy, Birmingham, England, assignor to Auto Research Corporation. Lubrication. 2,268,575; Jan. 6.
Downs, Harold R., Tulsa, Okla. Fluid pump. 2,269,189; Jan. 6.
Drewett, George, Johannesburg, Transvaal, Union of South Africa. Screw type connection for connecting stem members and bored members. 2,268,576; Jan. 6.
Drewett, George, Johannesburg, Transvaal, Union of South Africa. Construction of externally screw-threaded members. 2,268,577; Jan. 6.
Dreyfus, Henry, London, England. Treatment of artificial filaments, yarns, and other materials made of cellulose derivatives. 2,268,648; Jan. 6.
Dreyfus, Henry, London, England. Manufacture of artificial filaments, yarns, foils, and similar materials, made of cellulose or cellulose derivatives. 2,268,649; Jan. 6.
Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. 2,269,148; Jan. 6.
Duey, Harold P., Los Angeles, Calif. Fountain toothbrush. 2,268,928; Jan. 6.
Duisberg, Walther H. (See Haltmeier, Alfred, assignor.)
Duisney, Paul L., assignor to The Huenefeld Company, Cincinnati, Ohio. Thermoelectric generator and burner therefor. 2,269,337; Jan. 6.
Du Mont, Allen B., Laboratories, Inc. (See Koch, Stanley J., assignor.)
Du Mont, Allen B., Laboratories, Inc. (See Rutledge, Joseph F., assignor.)
Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,269,190; Jan. 6.
Dunn, John E. (See Schiffin, H., and Dunn, assignors.)
Du Pont, E. I., de Nemours & Company. (See Adams, R., and Wende, assignors.)
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gilman, Lucius, assignor.)
Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Peters, Franklin T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Quenelle, C. C., and Turner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Dupont, Emile, Antibes, France. Compressor or the like. 2,268,929; Jan. 6.
Durham, Hobart N., Manhasset, N. Y., assignor to The Goss Printing Press Company, Chicago, Ill. Web tension apparatus. 2,268,980; Jan. 6.
Duthoit, Camille H., New York, N. Y. Countersink. 2,269,255; Jan. 6.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eagle-Picher Lead Company, The. (See Turbett, F. L., and Vahrenkamp, assignors.)
Eakins, John F., assignor to A. G. McCaleb, Evanston, Ill. Gun game. 2,269,256; Jan. 6.
Eason, Clarence M., Waukesha, Wis. Cone clutch for punch presses. 2,268,578; Jan. 6.
Eastman Kodak Company. (See Brooker, L. G. S., and Sprague, assignors.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Dearing, Le Roy M., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Drotning, Henry O., assignor.)
Eastman Kodak Company. (See Figg, L. J., Jr., and Rhea, assignors.)
Eastman Kodak Company. (See Frame, Gordon F., assignor.)
Eastman Kodak Company. (See Martinez, Michele, assignor.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Van Dyke, assignors.)
Eastman Kodak Company. (See Morse, Richard S., assignor.)
Eastman Kodak Company. (See Nadeau, Gale F., assignor.)
Eastman Kodak Company. (See Salo, Martti, assignor.)
Eastman Kodak Company. (See Sprague, Robert H., assignor.)
Eastman Kodak Company. (See Ure, William H., assignor.)
Eastman Kodak Company. (See Van Derhoef, H. E., and Brooks, assignors.)
Eastman Kodak Company. (See Yule, John A. C., assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Control switch. 2,269,191; Jan. 6.
Eaton, John F., Tulsa, Okla., assignor to Bethlehem Steel Company. Equalizer for twin-crank pumping units. 2,268,650; Jan. 6.
Edens, Henry N., and C. B. Molter, assignors to Stover Manufacturing & Engine Co., Freeport, Ill. Limestone pulverizer. 2,268,860; Jan. 6.
Edgar, Robert F., Pattersonville, N. Y., assignor to General Electric Company. Permanent magnet. 2,269,149; Jan. 6.
Edgerton, Harold E., Belmont, and K. J. Germeshausen, Cambridge, Mass. Flash-producing system. 2,269,238; Jan. 6.
Edison, Thomas A., Incorporated. (See Dann, Charles W., assignor.)
Edwards, James M., Flint, Mich. Refuse container. 2,269,257; Jan. 6.
Edwards, William S., Hamden, assignor to Sargent & Company, New Haven, Conn. Mortising gauge. 2,268,930; Jan. 6.
Eggert, John, Leipsig, B. Wendt and A. Jung, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Adhesive lacquer. 2,268,651; Jan. 6.
Eisele, Andrew, Detroit, Mich. Gauge. 2,268,579; Jan. 6.
Eisendrath, Joseph L., Jr. (See Aronson, J. B., Kusch, and Eisendrath, Jr.)
Electric Heating Equipment Company. (See Seifert, William C., assignor.)
Electro Metallurgical Company. (See Critchett, J. H., and Crafts, assignors.)
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See White, E. L. C., and Mansford, assignors.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electromaster, Inc. (See Brown, Gordon H., assignor.)
"Elin" Aktiengesellschaft für elektrische Industrie. (See Hafergut, Georg, assignor.)
Ellis, Carleton, Jr., Toledo, Ohio, and C. S. Dewey, Jr., Chicago, Ill. Process and apparatus for preheating. 2,268,861; Jan. 6.
Ellis, Russell S., Vineland, N. J. Separating particles of solid material by flotation. 2,268,652; Jan. 6.
Ellis, Warren C., St. Petersburg, Fla. Vertical conveyer. 2,268,802; Jan. 6.
Emanueli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Electric cable. 2,268,704; Jan. 6.
Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Disk abrading machine. 2,268,863; Jan. 6.
Engelbrecht, Heinz-J. (See Hentrich, W., and Engelbrecht.)
England, William. (See Mackintosh, G. L., and Barkley, England, and Willson.)
Ericson, Arvid C., assignor to Doehler Die-Casting Co., Toledo, Ohio. Die. 2,268,981; Jan. 6.
Ericson, George R., Kirkwood, and J. H. Klasey, St. Louis, Mo. Motor driven razor. 2,269,358; Jan. 6.
Ericson, George R., Kirkwood, Mo., and R. T. Bassett, Washington, D. C. Dry shaver. 2,269,359; Jan. 6.
Essary, William M., assignor to W. L. McPeters, as trustee, Corinth, Miss. Audio amplifier analyzer. 2,268,931; Jan. 6.
Ettelson, Zara H., Melbourne, Victoria, Australia. Ax handle protector. 2,268,580; Jan. 6.
Eule, Helmut. (See Borchert, F., Kleindienst, Eule, and Pilz.)
Evans Products Company. (See Schneder, G. M., and Farrell, assignors.)
Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Batch meter. 2,269,014; Jan. 6.
Fackler, Ed, Jr. (See Watts, B. B., and Fackler, Jr.)
Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,269,329; Jan. 6.
Falconer, John W. (See White, J., and Falconer.)
Falk, Morris, Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Spring-latch lock. 2,268,743; Jan. 6.
Falkenberg, William P., Hollywood, Calif., assignor to Rayolite Rifle Range Company, Chicago, Ill. Target rifle range. 2,269,258; Jan. 6.
Fan Li, Shu, Hong Kong, China. Ligature tier. 2,268,755; Jan. 6.
Farrand, Hiram A., Berlin, N. H. Collapsible structure. 2,269,363; Jan. 6.
Farrand, Hiram A., Berlin, N. H. Collapsible structure. 2,269,364; Jan. 6.
Farrell, Eugene F. (See Schueder, G. M., and Farrell.)
Feagles, Ralph L. (See Raymond, G., Creech, and Feagles.)
Federal Shipbuilding and Dry Dock Company. (See Reilly, Thomas W., assignor).
Felsner, Artur, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Manufacturing cathodes for electron tubes. 2,269,081; Jan. 6.
Fewings, David J., and R. J. Kemp, Chelmsford, Essex, England, assignors to Radio Corporation of America. Television receiver. 2,268,811; Jan. 6.
Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Kusche, Walter, assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Lutzenberger, Werner, assignor.)
Fields, George C., assignor to Beadix Home Appliances, Inc., South Bend, Ind. Mixing device. 2,269,259; Jan. 6.
Figg, Louis J., Jr., and J. W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing an alkyl furoate. 2,269,192; Jan. 6.
Figg, Louis J., Jr., and J. W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing an alkyl carbonate. 2,269,193; Jan. 6.
Finkiewicz, Max S., Lockport, Ill. Locking device for drewers and the like. 2,268,864; Jan. 6.
Finlayson, Frank E. Ontario, Calif., assignor to General Electric Company. Electric heater. 2,269,194; Jan. 6.
Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Electric heater. 2,269,195; Jan. 6.
Fisher, Foster, assignor to J. M. Stockett, Providence, R. I. Poultry plucking machine. 2,268,581; Jan. 6.
Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,269,054; Jan. 6.
Fleer, Egbert. (See Hanisch, A. O., and Fleer.)
Flesch, John E., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,268,744; Jan. 6.
Flowers, Alan E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Apparatus and process for purifying airplane engine oil. 2,268,653; Jan. 6.
Flynn, Edward J., Schenectady, N. Y., assignor to General Electric Company. Wire coating device. 2,269,150; Jan. 6.
Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)
Food Machinery Corporation. (See Kerr, Charles B., assignor.)
Forkner, Jesse C., assignor of one-half to J. H. Forkner, Fresno, Calif. Tropical hard-shell nut fiber pharmaceutical product. 2,269,015; Jan. 6.
Forkner, John H. (See Forkner, Jesse C., assignor.)
Forter, Samuel A., Avalon, Pa., assignor to Forter-Teichmann Company. Glass furnace. 2,268,546; Jan. 6.
Forter-Teichmann Company. (See Forter, Samuel A., assignor.)
Foster, Dudley E., South Orange, N. J., and A. F. Van Dyck, Yonkers, N. Y., assignors to Radio Corporation of America. Program distribution system. 2,268,812; Jan. 6.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Hum reduction carrier system. 2,268,813; Jan. 6.
Fowler, Grace L., Oklahoma City, Okla. Dress shield. 2,269,365; Jan. 6.
Frame, Gordon F., assignor to Eastman Kodak Company, Rochester, N. Y. Anthrapyridone compound and material colored therewith. 2,268,814; Jan. 6.
Frauenthal, Harold, South Bend, Ind., and S. R. Thomas, Lyons, Mich., assignors to Bantam Bearings Corporation, South Bend, Ind. Bearing retaining means. 2,268,745; Jan. 6.
Fredcraft Corporation. (See New, Fred M., assignor.)
Freedlander, Abraham L., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Manufacturing raw edge belts. 2,268,865; Jan. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,268,582; Jan. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,268,583; Jan. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,268,584; Jan. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,268,585; Jan. 6.
Fried, Louis, Brooklyn, N. Y. Combined match and toothpick holder. 2,269,196; Jan. 6.
Froyd, Rolan J., St. Paul, Minn., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Corn and callous pad. 2,268,746; Jan. 6.
Fuller Company. (See Morrow, Joseph H., assignor.)
Fuller, Everett W. (See Hamilton, L. A., Fuller, and Berger.)
Funk, Russell A., Pleasant Ridge, Mich. Welding equipment. 2,268,815; Jan. 6.

Furness, William H., Haddonfield, assignor to American Rayon Company, Inc., Riverton, N. J. Apparatus for laying up thread. 2,268,866; Jan. 6.
Gabeler, William H., A. C. Wilson, and T. O. Tongue, Baltimore, Md., assignors to The Davidson Chemical Corporation, Baltimore, Md. Apparatus for preparing phosphatic fertilizers. 2,268,816; Jan. 6.
Gabriel, Gustave O., Warren, assignor to Taylor-Winfield Corporation, Warren, Ohio. Tube reinforcing machine. 2,268,982; Jan. 6.
Gabrielson, William A., and E. G. Mosbier, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,268,867; Jan. 6.
Garday, Louis J., Waukesha, Wis., assignor, by mesne assignments, to New York Trust Company. Transfer pump. 2,269,097; Jan. 6.
Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric control circuits. 2,269,151; Jan. 6.
Garnett, Leslie W., Hopkinsville, Ky. Musical annunciator. 2,269,098; Jan. 6.
Gates, Arthur O., O. H. Pearson, and G. F. Pearson, assignors, by mesne assignments, to N. L. Strike, Salt Lake City, Utah. Toggle mechanism for presses. 2,269,308; Jan. 6.
Gatewood, Elbrige, New York, N. Y. Contrivance for amusement and entertainment. 2,268,932; Jan. 6.
Gaugler, Richard S., Dayton, Ohio. Bath mat. 2,268,747; Jan. 6.
Geigy, J. R., A. G. (See Hasler, A., Consetti, and Kreseber, assignors.)
General Aniline & Film Corporation. (See Eggert, J., Wendt, and Jung, assignors.)
General Aniline & Film Corporation. (See Knoefel, Julius, assignor.)
General Aniline & Film Corporation. (See Wilmanns, G., and Schneider, assignors.)
General Electric Company. (See Allenby, William F., assignor.)
General Electric Company. (See Andersen, Henry A., assignor.)
General Electric Company. (See Ayers, Edgar H., assignor.)
General Electric Company. (See Bakke, Hans A., assignor.)
General Electric Company. (See Bloomberg, David J., assignor.)
General Electric Company. (See Booth, R. E., and Scorzoni, assignors.)
General Electric Company. (See Clarke, Edward B., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See Dalton, William, assignor.)
General Electric Company. (See Dawson, Edward S., Jr., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Edgar, Robert F., assignor.)
General Electric Company. (See Finlayson, Frank E., assignor.)
General Electric Company. (See Flynn, Edward J., assignor.)
General Electric Company. (See Garman, George W., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Hemphill, Lawrence F., assignor.)
General Electric Company. (See Hillner, Rudolph, assignor.)
General Electric Company. (See Hubbard, Albert B., assignor.)
General Electric Company. (See Kasper, Anthony I., assignor.)
General Electric Company. (See Kimball, Donald G., assignor.)
General Electric Company. (See Kling, August J., assignor.)
General Electric Company. (See Levine, Samuel Jr., assignor.)
General Electric Company. (See Miller, William H., assignor.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Newell, Heber L., assignor.)
General Electric Company. (See Nickle, C. A., and Howe, assignors.)
General Electric Company. (See Pfalzgraff, Ross M., assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Rinehart, Dean C., assignor.)
General Electric Company. (See Rohats, Nicholas, assignor.)
General Electric Company. (See Rowell, Ralph M., assignor.)
General Electric Company. (See Rugg, Edward H., assignor.)
General Electric Company. (See Savage, M. H., and Hitchcock, assignors.)
General Electric Company. (See Somerville, G. G., and Porter, assignors.)
General Electric Company. (See Specht, Woldemar, assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Wieseman, Robert W., assignor.)
General Motors Corporation. (See Little, J. H., Bluemle, and Brown, assignors.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Motors Corporation. (See White, Joe, assignor.)
General Motors Corporation. (See White, J., and Falconer, assignors.)
General Motors Corporation. (See Wilkerson, Daniel C., assignor.)
General Steel Castings Corporation. (See Meyer, William H., assignor.)
Gerhold, Clarence G. (See Pysel, R., and Gerhold.)
Germeshausen, Kenneth J. (See Edgerton, H. E., and Germeshausen.)
Gessler, Otto C., Detroit, Mich. Duplex concealed hinge. 2,269,260; Jan. 6.
Geuder Paeschke & Frey Co. (See Millmann, Henry F., assignor.)
Giddings & Lewis Machine Tool Co. (See Schurger, Garner H., assignor.)
Gilbert, Benjamin D. (See Morris, Fred B., assignor.)
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Magnetic valve. 2,269,016; Jan. 6.
Gilman, Lucius, Arden, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyamides. 2,268,586; Jan. 6.
Gilmore, Folliard F., Wellesley Hills, and F. W. Kotler, Watertown, Mass.; said Kotler assignor to said Gilmore. Forming abrasive surfaces upon high-speed grinding wheels. 2,268,983; Jan. 6.
Given, Fred H., assignor to The Perfect Circle Company, Hagerstown, Ind. Bearing member. 2,268,868; Jan. 6.
Given, Fred H., Brightwaters, N. Y., assignor to The Perfect Circle Company, Hagerstown, Ind. Bearing member. 2,268,869; Jan. 6.
Gladstone, Matthew, Brooklyn, N. Y. Necktie form. 2,269,017; Jan. 6.
Glenny, Clarence S., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Display rack. 2,268,748; Jan. 6.
Globe-Union Inc. (See Boll, Fred J., assignor.)
Globe-Union Inc. (See Coldwell, J. S., and Goetsch, assignors.)
Globe-Wernicke Company, The. (See Scott, Charles H., assignor.)
Goddu, Lloyd W., Southbridge, and I. C. Crawford, Belmont, assignors to American Optical Company, Southbridge, Mass. Means for marking lenses and similar articles. 2,268,854; Jan. 6.
Goddu, Lloyd W. (See Kinney, F. D., and Goddu.)
Goepfrich, George A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,269,261; Jan. 6.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,269,262; Jan. 6.
Goetsch, Roland H. (See Coldwell, J. S., and Goetsch.)
Goldberg, Alan A., and B. P. H. Wiesner, Bradford-on-Avon, assignors to W. Blenkinsop & Company Limited, Brookland, Halewood, near Liverpool, England. Iodine-containing dyestuffs. 2,269,366; Jan. 6.
Goldfisher, Fred, Chicago, Ill. Flatiron. 2,268,817; Jan. 6.
Goldschmid, Rudolph. (See Hammerschmidt, C., and Goldschmid.)
Gomersall, John R., Minneapolis, Minn., assignor to McGraw Electric Company, Elgin, Ill. Voltage controlled thermal timer. 2,268,655; Jan. 6.
Goodman, Jacob A., assignor to National Silk Hosiery Mills, Inc., Indianapolis, Ind. Stocking with means for improving the elasticity, and producing the same. 2,268,818; Jan. 6.
Goodman Manufacturing Company. (See Bigelow, Roy S., assignor.)
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, B. F., Company, The. (See Wiggins, Leonard A., assignor.)
Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Rubber valve stem for pneumatic tires. 2,269,367; Jan. 6.
Goss Printing Press Company, The. (See Durham, Hobart N., assignor.)
Gotham Pressed Steel Corporation. (See Van Bloem, Paul S., assignor.)
Gower, Thomas C., Greenville, S. C. Split heating system. 2,269,055; Jan. 6.
Graham, Frank L., Olympia, Wash. Micrometric line spacer mechanism for typewriters. 2,268,933; Jan. 6.
Green, Dana B., and R. R. Sprole, assignors to Thermo-Electric Meters Company Incorporated, Ithaca, N. Y. Maximum demand meter recording attachment. 2,268,705; Jan. 6.

Greenberg, Charles B., New York, N. Y. Watch stem bushing. 2,268,749; Jan. 6.

Greenlee, William B., Denver, Colo. Ornamental lighting system. 2,268,870; Jan. 6.

Greenwald, Sylvia. (See Bocchino, Ernest, assignor.)

Groene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic feeding mechanism. 2,269,368; Jan. 6.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Waste and overflow valve. 2,268,819; Jan. 6.

Grosskopf, Mendel. (See Saftlas, J., and Grosskopf.)

Grubb, Gunnar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Heat transfer system. 2,269,099; Jan. 6.

Grubb, Gunnar, and P. Strandberg, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Heat transfer system. 2,269,101; Jan. 6.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation. Distance determining system. 2,268,587; Jan. 6.

Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,269,263; Jan. 6.

Guest, Conrad F., Esquimalt, British Columbia, Canada. Detachable conveyer flight. 2,269,056; Jan. 6.

Guignon, Emile S., Jr., Kansas City, Mo. Glazed building block. 2,269,018; Jan. 6.

Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Burglar alarm. 2,268,340; Jan. 6.

Hackethal, Paul F. (See Lampton, G. T., Hackethal, and Briggs.)

Hafergut, Georg, Welz, near Graz, assignor to "Elin" Aktiengesellschaft für Electrische Industrie, Vienna, Germany. Process and device for electric arc welding. 2,269,369; Jan. 6.

Hagerty, Michael L. P., Detroit, Mich. Article holder. 2,268,934; Jan. 6.

Hahnemann Research Foundation. (See Wastl, H., and Beutner, assignors.)

Halbeck, Gilbert A., Willmar, Minn. Folding table. 2,269,370; Jan. 6.

Halm, Albert, Upper Darby, Pa. Swing lock fastener. 2,269,264; Jan. 6.

Haines, Frank M., Milwaukee, Oreg. Reel holder. 2,268,547; Jan. 6.

Hall, Edward P., Ferguson, Mo., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Warning device. 2,269,019; Jan. 6.

Hall, Joseph M., Chicago, Ill. Apparatus for evaporating milk and other liquid products. 2,268,871; Jan. 6.

Hall, Oliver C. (See Baumfalk, J., and Hall.)

Haltmeier, Alfred, Bergisch-Gladbach, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Steam jet ejector. 2,268,656; Jan. 6.

Hamilton, Alfred E., Pittsburgh, Pa. Grinding and polishing apparatus. 2,269,197; Jan. 6.

Hamilton, Lyle A., Wenonah, and E. W. Fuller and H. G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Stabilized refined petroleum product. 2,269,265; Jan. 6.

Hammerl, Herbert, Arlington Heights, Ill. Gauge. 2,269,266; Jan. 6.

Hammerschmidt, Carl, and R. Goldschmid, Milwaukee, Wis. Food dispenser. 2,269,371; Jan. 6.

Hanhart, Walter, Rieben, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs of the triazol series and making same. 2,268,935; Jan. 6.

Hanisch, Arthur O., Altadena, Calif., and E. Fleer, Fond du Lac, Wis., assignors to Infants Socks, Inc., Reading, Pa. Hosiery. 2,269,088; Jan. 6.

Hanisch, Arthur O., Altadena, Calif., assignor to Infant Socks, Inc., Reading, Pa. Knitted fabric. 2,269,089; Jan. 6.

Hannan, Dan O., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for cutting articles. 2,268,820; Jan. 6.

Harbin, Calvin E., et al. (See Tipton, Rubie L., assignor.)

Harding, William G., Whitton, and R. H. Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic instrument. 2,269,103; Jan. 6.

Harper, Ewing, San Francisco, Calif. Ash tray. 2,268,821; Jan. 6.

Harris, Dwight J., Philadelphia, Pa. Hosiery and making the same. 2,268,751; Jan. 6.

Harrison, Allen, Whiston, and F. B. Waldron, Prescot, assignors to Pilkington Brothers Limited, Liverpool, England. Furnace, particularly adapted for producing ferric oxide from ferrous sulphate. 2,268,586; Jan. 6.

Hartford-Empire Company. (See Merrill, Donald G., assignor.)

Hartford National Bank and Trust Company, as trustee. (See Van Weenen, Franciscus L., assignor.)

Hartmann Trunk Company. (See Chestnut, William C., assignor.)

Hartmann Trunk Company. (See Kiefer, Joseph, assignor.)

Harvel Corporation, The. (See Schaufelberger, William F., assignor.)

Harvey, Leo M., Los Angeles, Calif. Ejecting means for cap forming machines. 2,268,937; Jan. 6.

Hasler, Armin, and A. Conzetti, Basel, and A. Krebser, Riehen, near Basel, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Azo dyestuffs and their manufacture. 2,268,936; Jan. 6.

Hathaway, Claude M., Niskayuna, N. Y., assignor to General Electric Company. Foil gauge. 2,269,152; Jan. 6.

Haven, Hugh E., U. S. Navy, and J. B. King, Philadelphia, Pa. Eddy reducing valve. 2,269,404; Jan. 6.

Hawtin, Philip R. (See Rooney, J. H., Hawtin, and Chaplin.)

Haydon, James. (See Baumgartner, Clarence, assignor.)

Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 2,269,020; Jan. 6.

Hazard, Charles S., New York, N. Y., assignor, by mesne assignments, to Miller Meters, Incorporated, Chicago, Ill. Parking meter. 2,269,021; Jan. 6.

Heany Industrial Ceramic Corporation. (See Heany, John A., assignor.)

Heany, John A., New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y. Producing vitreous silica articles. 2,268,589; Jan. 6.

Hebern, Edward H., Oakland, Calif., assignor to International Code Machine Company, Reno, Nev. Message transmission device. 2,269,341; Jan. 6.

Hecht, George, Astoria, N. Y., and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,269,022; Jan. 6.

Hecker, John C., assignor to Distillation Products, Inc., Rochester, N. Y. Distillation apparatus. 2,269,153; Jan. 6.

Hedlund, Folke G. H., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, C. A. Adee, and G. Carlson, trustees. Internal combustion engine. 2,269,104; Jan. 6.

Heeren, Arthur A., assignor to United States Gypsum Company, Chicago, Ill. Ceiling construction. 2,268,822 Jan. 6.

Heggie, James. (See Currall, H., and Heggie.)

Hemphill, Lawrence F., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,269,154; Jan. 6.

Henderson, Raymond W., et al. (See Tipton, Rubie L., assignor.)

Hendricks, Simeon B., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Tractor hitch. 2,269,023; Jan. 6.

Hendrickson, Lauri A., Friendship, Maine. Inner tube tester. 2,268,548; Jan. 6.

Henschel Flugzeug-Werke A. G. (See Kolland, Emil, assignor.)

Henschel Flugzeug-Werke Aktiengesellschaft. (See Borchert, F., Kleindienst, Eule, and Pilz, assignors.)

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,268,938; Jan. 6.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,268,939; Jan. 6.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,268,940; Jan. 6.

Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, and H.-J. Engelbrecht, Dessau, assignors to Deutsche-Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Carboxylic acid nitriles. 2,269,105; Jan. 6.

Herman, F. J. (See Mendez, Charlie, assignor.) Jan. 6.

Hermann, Harry, New York, N. Y. Duplicating machine. 2,268,657; Jan. 6.

Herman, Jean F. (See Muselier, Bernard G. M., assignor.)

Herriger, Felix, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric discharge vessel. 2,269,082; Jan. 6.

Herring, Albert E., Batlow, Australia. Multiple airscrew drive. 2,269,309; Jan. 6.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Busy line recorder. 2,268,984; Jan. 6.

Herzog, Werner, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Zehlendorf, Osteweg, Germany. Diminish damping of crystals. 2,268,823; Jan. 6.

Hess, Frederic O., Germantown, Pa., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for drying printing ink. 2,268,985; Jan. 6.

Hess, Frederic O., Germantown, Pa., and C. P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for drying printing ink. 2,268,986; Jan. 6.

Hess, Frederic O., Germantown, Pa., and C. P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for drying printing ink. 2,268,987; Jan. 6.

Hess, Frederic O., Germantown, Pa., and C. P. Mann, Riverton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for drying printing ink. 2,268,988; Jan. 6.

Hewlett-Packard Company. (See Hewlett, William R., assignor.)

Hewlett, William R., Palo Alto, assignor to Hewlett-Packard Company, Palo Alto, Calif. Variable frequency oscillation generator. 2,268,872; Jan. 6.

Hicks, Carl G., Chicago, Ill. Mechanism for cutting and looping springs. 2,268,824; Jan. 6.

Hicks, Howard M., McKeesport, Pa., assignor to National Tube Company. End protector. 2,269,198; Jan. 6.

Hildebrandt, Henry, Chicago, Ill. Duplicator. 2,269,199; Jan. 6.

Hill, Ira B., Kent, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Quill with small caliber tubing inserted therein. 2,268,658; Jan. 6.

Hillner, Rudolph, Schenectady, N. Y., assignor to General Electric Company. Manufacturing elastic fluid turbine buckets. 2,269,200; Jan. 6.

Himelick, Robert E. (See Culter, S. H., and Himelick.)

Hinnekens, Maurice G., Paterson, N. J. Treating textile material to remove gum, etc., therefrom. 2,268,590; Jan. 6.

Hinsdale, Clare L., assignor to Brainard Steel Corporation, Warren, Ohio. Tensioning tool. 2,269,090; Jan. 6.

Hitchcock, Lyman H. (See Savage, M. H., and Hitchcock.)

Hoffmann, Anton R., Chicago, Ill. Internal combustion motor. 2,269,106; Jan. 6.

Hoffmann, Anton R., Chicago, Ill. Producing power with internal combustion motors. 2,269,107; Jan. 6.

Hofmann, Alfred, Palisade, assignor to Alfred Hofmann, Inc., West New York, N. J. Welt hook. 2,268,750; Jan. 6.

Hofmann, Alfred, Inc. (See Hofmann, Alfred, assignor.)

Hokerk, Lynde D., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Transparent container and making same. 2,269,201; Jan. 6.

Hollaender, Peter R., Cincinnati, Ohio. Vent lift. 2,269,202; Jan. 6.

Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill distributing spout. 2,269,155; Jan. 6.

Hollander, Bartley G., assignor to C. J. Christopher, Minneapolis, Minn. Display device. 2,269,310; Jan. 6.

Holley, Earl, et al. (See Udale, Stanley M., assignor.)

Holley, George M., et al. (See Udale, Stanley M., assignor.)

Hollywood Pin, Inc. (See Wardell, Wallis B., assignor.)

Holm, Carl B., Roslags-Nasby, Sweden. Gasifying burner. 2,268,591; Jan. 6.

Holt, Carl E., Kansas City, Mo. Apparatus for refining lubricating oils. 2,268,706; Jan. 6.

Hope, Samuel N. (See Hopkins, A. C., and Hope.)

Hopkins, Arthur C., Tupper Lake, N. Y., and S. N. Hope, Wauwatosa, Wis., assignors to Oval Wood Dish Corporation, Tupper Lake, N. Y. Article dispensing device. 2,268,873; Jan. 6.

Hopkinson, Lawrence T., Washington, D. C. Treatment of liquid sugar. 2,269,203; Jan. 6.

Horning, Arthur F., Jr., Washington, D. C. Toilet article. 2,268,825; Jan. 6.

Horstman, Walter G., Des Moines, Iowa. Fly guard for screen doors and like. 2,268,941; Jan. 6.

Horton, Keith D., Armarillo, Tex. Vent valve control for triple valves. 2,268,826; Jan. 6.

Horvát, Ernst, et al. (See Beringer, Cornelius R., assignor.)

Horvát, Eugen, et al. (See Beringer, Cornelius R., assignor.)

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Dispensing container. 2,268,592; Jan. 6.

Houdaille-Hershey Corporation. (See Dall, Edward D., assignor.)

Howard, George E., Butler, Pa. Speed regulator. 2,269,204; Jan. 6.

Howe, Goodwin H. (See Nickle, C. A., and Howe.)

Howell, Waldo E. (See Luer, A. T., Perry, and Howell, Warren and W. E.)

Howell, Warren. (See Luer, A. T., Perry, and Howell, Warren and W. E.)

Hubbard, Albert B., West Orauge, N. J., assignor to General Electric Company. Air cooling apparatus. 2,269,205; Jan. 6.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Splicing tool. 2,268,659; Jan. 6.

Hubbell, James D., East Orange, N. J., and C. F. Wiebusch, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringer. 2,269,108; Jan. 6.

Huber, J. M., Inc. (See Huber, Walter, assignor.)

Huber, J. M., Inc. (See Huber, W., Breyer, and Burgess, assignors.)

Huber, Walter, Locust, N. J., assignor to J. M. Huber, Inc., New York, N. Y. Quick-setting printing ink. 2,268,593; Jan. 6.

Huber, Walter, Mount Kisco, assignor to J. M. Huber Inc., New York, N. Y. Letterpress printing. 2,268,594; Jan. 6.

Huber, Walter, Mount Kisco, N. Y., F. G. Breyer, Wilton, Conn., and L. M. Burgess, St. Albans, assignors to J. M. Huber Inc., New York, N. Y. Printing ink. 2,268,595; Jan. 6.

Huckelbridge, Arthur C., Coldwater, Kans. Branding chute. 2,268,707; Jan. 6.

Huenefeld Company, The. See Dulaney, Paul L., assignor.)

Hughes, Henry, & Son, Limited. (See Davis, Jack O., assignor.)

Humoco Corporation. (See Moore, George A., assignor.)

Hunter, James H., Lansdowne, Pa., assignor to Radio Corporation of America. Phonograph record. 2,269,267; Jan. 6.

Humphrey, Stanley, assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding machine. 2,269,091; Jan. 6.

Huntoon, Cullen L., assignor to Landis Machine Company, St. Louis, Mo. Shoe press. 2,268,874; Jan. 6.

Hydraulic Development Corp. Inc. (See Bench, D. E., and Crosby, assignors.)

Independent Lock Company. (See Falk, Morris, assignor.)

Infants Socks, Inc. (See Hanisch, Arthur O., assignor.)

Infants Socks, Inc. (See Hanisch, A. O., and Fleer, assignors.)

Ingersoll-Rand Company. (See Morrison, W. A., and Mack, assignors.)

Interchemical Corporation. (See Hess, Frederic O., assignor.)

Interchemical Corporation. (See Hess, F. O., and Mann, assignors.)

International Code Machine Company. (See Hebern, Edward H., assignor.)

Interstate Sales Corporation. (See Plimpton, Austin S., assignor.)

Ireland, Murray, near Elgin, assignor to McGraw Electric Company, Elgin, Ill. Automatic toaster. 2,268,660; Jan. 6.

Irving, John S., Birmingham, England, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,269,268; Jan. 6.

Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,269,109; Jan. 6.

Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,269,110; Jan. 6.

Jackson, Hans G., Birchwood, Wis. Logrolling game device. 2,268,827; Jan. 6.

Jacobs, Rex C., Detroit, Mich. Door check. 2,268,942; Jan. 6.

Jacquard Knitting Machine Co. (See Preston, J. Stanley, assignor.)

Jaeger, Edward T. (See Bischoff, L., Loeffler, and Jaeger.)

Jakobsen, Jakob L. (See Baxter, J. G., and Jakobsen.)

Jayne, David W., Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Material for destroying vegetation. 2,269,396; Jan. 6.

Jenkins, Alexander F., Baltimore, Md. Spraying device. 2,269,057; Jan. 6.

Jenkins Bros. (See Gora, Henry Z., assignor.)

Jepson, Ivar, and G. Browning, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker. 2,269,111; Jan. 6.

Jepson, Ivar, and G. Browning, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker. 2,269,112; Jan. 6.

Jerum, Henry, New York, N. Y. Dispensing apparatus. 2,268,596; Jan. 6.

Jessen, Frank W., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,269,269; Jan. 6.

Johannesmeyer, Charles G., assignor of one-half to F. H. Davenport, Meadville, Pa. Power transmission device. 2,269,024; Jan. 6.

Johansson, Edvin A., Stockholm, Sweden. Dry distillation of shale and other slate-shaped materials. 2,269,025; Jan. 6.

Johansson, Ernest G., Watertown, assignor to Anchor Manufacturing Company, Boston, Mass. Fused switch box. 2,268,943; Jan. 6.

John, Edward T. (See Place, L. W., and John.)

Johnson, Carl G., Chicago, Ill., assignor to J. P. Seeburg Corporation. Phonograph recorder. 2,269,270; Jan. 6.

Johnson, Carl O., Springville, N. Y. Abrading machine. 2,269,311; Jan. 6.

Johnson, George A., and H. E. Seim, assignors to The Bryant Electric Company, Bridgeport, Conn. Lamp holder. 2,268,708; Jan. 6.

Johnson, John H., Toronto, Ontario, Canada, assignor to K & W Rubber Corporation, Delaware, Ohio. Inflatable rubber goods. 2,269,342; Jan. 6.

Johnston, Paul H., Davenport, Iowa. Optician's measuring instrument. 2,269,312; Jan. 6.

Johnson, Tomlinson F., Atlanta, Ga. Push-out fuse. 2,269,372; Jan. 6.

Jones & Laughlin Steel Corporation. (See Cruickshank, Alexander, assignor.)

Jones, Edgar B., Oregon, Ill. Resonance chamber for pianos. 2,268,875; Jan. 6.

Jones, George W., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Threading mechanism. 2,268,944; Jan. 6.

Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe machine. 2,268,597; Jan. 6.

Jung, Adolf. (See Eggert, J., Wendt, and Jung.)

K & W Rubber Corporation. (See Johnson, John H., assignor.)

Kagley, Herbert W., assignor to Lindsay Ripe Olive Company, Lindsay, Calif. Glue dispenser. 2,268,876; Jan. 6.

Kahn, Benjamin, Bronx, assignor to Trans-Lux Corporation, New York, N. Y. Tape-controlling means. 2,268,828; Jan. 6.

Karrick, Lewis C., Salt Lake City, Utah. Improving fuel. 2,268,989; Jan. 6.

Kasch, Gerhard E., assignor to Woodall Industries Incorporated, Detroit, Mich. Glove compartment and blank for forming same. 2,269,113; Jan. 6.

Kasper, Anthony I., Schenectady, N. Y., assignor to General Electric Company. Relay. 2,269,206; Jan. 6.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,268,829; Jan. 6.

Keefe, Lincoln M., Springfield, Mass. Cable terminal. 2,269,114; Jan. 6.

Kellems Company. (See Kellems, David L., assignor.)

Kellems, David L., Westport, Conn., assignor to Kellems Company, New York, N. Y. Lifting and/or holding device. 2,268,598; Jan. 6.

Kelley, Kork, Wichita Falls, Tex. Stroke adjuster. 2,268,945; Jan. 6.

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Sound film recording. 2,268,752; Jan. 6.

Kelly, Emmet, Boston, Mass. Making soles. 2,268,709; Jan. 6.

Kelso, John W., East McKeesport, Pa., assignor to National Tube Company. Tube lubricator. 2,269,207; Jan. 6.

Kemp, Roland J. (See Fewings, D. J., and Kemp.)

Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Tube mill. 2,268,661; Jan. 6.

Kennedy, Roy J., assignor of one-third to M. Kurth and one-third to J. T. Barkelew, Pasadena, Calif. Apparatus for indicating efficiency. 2,268,549; Jan. 6.

Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)

Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Juice extractor. 2,268,753; Jan. 6.

Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)

Kharasch, Morris S., and O. Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. Derivatives of 4,4'-diaminodiphenyl sulphone. 2,268,754; Jan. 6.

Kiefer, Joseph, assignor to Hartmann Trunk Company, Racine, Wis. Luggage manufacture. 2,269,271; Jan. 6.

Killebrew, Roland D., St. Louis, Mo. Hose reel. 2,268,877; Jan. 6.

Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Push-on type handle. 2,269,208; Jan. 6.

King, James B. (See Haven, H. E., and King.)

Kinney, Fay D., and L. W. Goddu, assignors to American Optical Company, Southbridge, Mass. Abrading tool. 2,268,599; Jan. 6.

Kinsburg, Boris J., Riverdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuits. 2,269,408; Jan. 6.

Kirkland, Joseph T., San Francisco, Calif. Electric razor. 2,269,058; Jan. 6.

Kitroser, Isaac, Virofiay, assignor to Société Bronzavia, Courbevoie, Seine, France. Remote control for serial cameras. 2,269,373; Jan. 6.

Klasey, John H. (See Ericson, G. R., and Klasey.)

Kleen, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Discharge tube arrangement. 2,268,830; Jan. 6.

Klein, William S., Los Angeles, Calif. Electric fixture attaching means. 2,268,831; Jan. 6.

Kleindienst, Bernhard. (See Borchert, F., Kleindienst, Enle, and Pilz.)

Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Insert gathering. 2,268,600; Jan. 6.

Kling, August J., Schenectady, N. Y., assignor to General Electric Company. Lead-in seal. 2,269,156; Jan. 6.

Klinghoffer, Stefan, Paris, France. Storage vessel for the radioactive treatment of creams and the like products. 2,269,026; Jan. 6.

Klinghoffer, Stefan, Paris, France. Device which enables dressings or plasters to be kept at a constant degree of radioactivity. 2,269,027; Jan. 6.

Klocke, William H., Woodhaven, assignor to E. W. Bliss Company, Brooklyn, N. Y. Making double walled articles and the like. 2,269,313; Jan. 6.

Knoefel, Julius, Leverkusen-Wiesdorf, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of matt photographic emulsion. 2,268,662; Jan. 6.

Knox, Harry A., Washington, D. C. Vehicle. 2,268,601; Jan. 6.

Kobe, Incorporated. (See Mestas, Ricardo, assignor.)

Koch, Stanley J., Newark, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube. 2,269,115; Jan. 6.

Koelle, Frederick C. (See Walter, L. G., and Koelle.)

Koepp, Rudolph, & Co., Chemische Fabrik A. G. (See König, Walter, assignor.)

Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,269,100; Jan. 6.

Kolland, Emil, Berlin-Johannisthal, assignor to the firm: Henschel Flugzeug-Werke A. G., Schonefeld, Kreis Teltow, Germany. Double-walled compartment for high altitude aircraft. 2,269,209; Jan. 6.

König, Walter, Wiesbaden, assignor to Rudolph Koepp & Co. Chemische Fabrik A. G., Oestrich, Rhg, Germany. Softening artificial cellulosic materials. 2,268,832; Jan. 6.

Kopp, Walter R., assignor to Western Cartridge Company, New Haven, Conn. Flashlight. 2,268,878; Jan. 6.

Koppers Company. (See Linder, Willy, assignor.)

Kotler, Frank W. (See Gilmore, F. F., and Kotler.)

Kowser, Robert, Seattle, Wash. Pressing machine pad. 2,268,833; Jan. 1.

Kramer, Charles, Jeffersonville, Ind., assignor to The Mengel Company, Louisville, Ky. Extensible table. 2,268,879; Jan. 6.

Krebser, Adolf. (See Hasler, A., Conzetti, and Krebser.)

Krefft, Oswald, Hamburg, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y. Insecticide. 2,269,272; Jan. 6.

Krogh, Kristian P., Charlottenlund, near Copenhagen, and C. H. Biering, Copenhagen, Denmark. Apparatus for predrying of waste fuel in furnaces. 2,269,273; Jan. 6.

Krumbhaar, William, New York, N. Y. Phenol modified ethers. 2,268,946; Jan. 6.

Krumbhaar, William, New York, N. Y. Phenol modified esters. 2,268,947; Jan. 6.

Kuh, Erwin, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Purifying 2-aminopyrimidine. 2,269,274; Jan. 6.

Kühnemann, Karl, Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Apparatus for measuring the distance of an airplane above the earth. 2,269,374; Jan. 6.

Kunz, Frederick, Greeley, Colo. Hay knife. 2,269,210; Jan. 6.

Kuperus, Jan, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic tuning arrangement. 2,268,834; Jan. 6.

Kurth, Myrtle, et al. (See Kennedy, Roy J., assignor.)

Kusch, Frank. (See Aronson, J. B., Kusch, and Eisendrath.)

Kusche, Walter, Berlin-Steglitz, assignor to Fides Gesellschaft fur die Verwaultung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. Telephone system. 2,268,880; Jan. 6.

Kuykendall, Harold, Lancaster, Pa. Outlet box support. 2,269,211; Jan. 6.

Kuzmick, Paul L., Clifton, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Abrasive tool. 2,268,663; Jan. 6.

La Mont Corporation, The. (See Pourchot, Pierre F., assignor.)

La Mont Corporation, The. (See Vagt, Walter, assignor.)

Lampton, Glen T., P. F. Hackethal, and A. T. Briggs, assignors to Aviation Manufacturing Corporation, Williamsport, Pa. Controllable pitch propeller. 2,268,948; Jan. 6.

Landis Machine Company. (See Huntoon, Cullen L., assignor.)

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. All-wave antenna system. 2,268,664; Jan. 6.

Langsam, Ralph H., Brooklyn, I. A. Weintraub, New York, and L. F. Simon, Brooklyn, N. Y. Tire inflation indicator. 2,269,083; Jan. 6.

Lanigan, Francis W. (See Mark, J. G., and Lanigan.)

Larson, Wilfred A., assignor to The Stanley Works, New Britain, Conn. Miter box. 2,268,835; Jan. 6.

Laubenstein, George, Madison, assignor to The J. E. Mergott Company, Newark, N. J. Bag with channeled frame. 2,269,212; Jan. 6.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)

Le Boeuf, George H., Chicago Heights, Ill. Automobile luggage carrier. 2,268,881; Jan. 6.

Leddy, Harry J., Riverdale, assignor to American Welding Company, New York, N. Y. Container. 2,269,092; Jan. 6.

Lehmann, Albert F., Detroit, Mich. Die casting machine. 2,268,949; Jan. 6.

Lehmann, Ernst C., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Device for the formation of tobacco layers. 2,269,116; Jan. 6.

Leishman, Le Roy J., Los Angeles, Calif. Station indicating means for automatic tuners. 2,268,950; Jan. 6.

Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Wall paneling. 2,268,710; Jan. 6.

Leslie, Claude W. (See Walther, G., and Leslie.)

Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)

Levine, Max. (See Nelson, G. H., Levine, and Lynch.)

Levine, Samuel J., Verona, N. J., assignor to General Electric Company. Automatic fluid fuel burner control. 2,269,157; Jan. 6.

Lewandowski, Joseph T., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus for controlling heating systems. 2,268,711; Jan. 6.

Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)

Lichtenstein, Johan, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland. Carburetor. 2,269,275; Jan. 6.

Lichtenstein, Johan, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland. Carburetor. 2,269,276; Jan. 6.

Lichtenstein, Johan, Levallois-Perret, France, assignor to Societe Generale des Carburateurs Zenith, Geneva, Switzerland. Carburetor. 2,269,277; Jan. 6.

Lichtenstern, Richard, Vienna, Germany. Preparing seed material for the improvement of bituminous substances of low qualities. 2,268,602; Jan. 6.

Liedholm, George E., and R. M. Cole, Long Beach, and I. I. Shultz, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Execution of catalytic conversions in the presence of ferrous metals. 2,269,028; Jan. 6.

Lilja, Edgar D., Rockford, assignor to Barber-Colman Company, Rockford, Ill. Relay. 2,268,882; Jan. 6.

Lilly, Eli, and Company. (See Kharasch, M. S., and Reinmuth, assignors.)

Lilly, Eli, and Company. (See McConnell, J. A., and Breier, assignors.)

Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)

Lind, Kurt F., Denver, Colo. Concrete form tie. 2,268,883; Jan. 6.

Linder, Willy, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Regenerative gas heater. 2,268,603; Jan. 6.

Lindsay Ripe Olive Company. (See Kagley, Herbert W., assignor.)

Line Material Company. (See Schultz, William O., assignor.)

Linga, Torbjorn, Kokomo, Ind. Motor vehicle accessory. 2,268,836; Jan. 6.

Link-Belt Company. (See Tark, Marcus B., assignor.)

Linn, William J., Pittsburgh, Pa. Vapor lock eliminator. 2,268,884; Jan. 6.

Little, John H., Royal Oak, Mich., and A. A. Bluemle and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch and rheostat. 2,268,550; Jan. 6.

Loeffler, Rupert, Jr. (See Bischfoll, L., Loeffler, and Jaeger.)

Loewe, Bernhard, Yonkers, N. Y. Method and arrangement for transferring telephone conversations to other electrical devices. 2,268,665; Jan. 6.

Loewe, Siegfried, New Rochelle, N. Y. Secondary and tertiary 3 - amino - methyl - polyhydroxy - phthalides. 2,268,990; Jan. 6.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,268,756; Jan. 6.

Loganspport Machine, Inc. (See Cotner, John C., assignor.)

London, Milton, Detroit, Mich. Ticket collecting apparatus. 2,269,117; Jan. 6.

Löpp, Edmund, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Sealing glass and ceramic material together. 2,268,666; Jan. 6.

Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind tilter. 2,269,213; Jan. 6.

Lorentzen Hardware Mfg. Corp. (See Lorentzen, Hans K., assignor.)

Lorenz, C., Aktiengesellschaft. (See Boerner, Rudolf, assignor.)

Lorenz, C., Aktiengesellschaft. (See Christ, Karl, assignor.)

Lorenz, C., Aktiengesellschaft. (See Felsner, Artur, assignor.)

Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)

Lorenz, C., Aktiengesellschaft. (See Löpp, Edmund, assignor.)

Lorenz, C., Aktiengesellschaft. (See Zinke, Erhard, assignor.)

Loughbridge, Matthew H. (See Stuart, R., and Loughbridge.)

Lounsbery, Henry R., Noroton, Conn. Cane. 2,269,029; Jan. 6.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Luer, Albert T., South Pasadena, D. M. Perry and W. Howell, Pasadena, and W. E. Howell, Altadena, Calif.; said Perry, said W. Howell, and said W. E. Howell, assignors to said Luer. Means for taking pictures in the third dimension. 2,268,712; Jan. 6.

Luitwieler, Edward B., Malden, Mass. Shoe binding and the like. 2,269,214; Jan. 6.

Lundstrom, Alexis A. (See Hecht, G., and Lundstrom.)

Luti, Guido A., Boston, Mass., assignor to himself, F. S. Amato and J. Amato, doing business as Metallic Arts Co., Cambridge, Mass. Fixture for electric lights. 2,268,713; Jan. 6.

Lutzenberger, Werner, Berlin-Eichkamp, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Modulator arrangement. 2,268,837; Jan. 6.

Lynch, Daniel F. J. (See Nelson, G. H., Levine, and Lynch.)

Lynger, Erik S., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,269,102; Jan. 6.

Lyon, George A., Allenhurst, N. J. Making wheels. 2,268,838; Jan. 6.

Lyon, George A., Allenhurst, N. J. Wheel disk and assembly. 2,268,839; Jan. 6.

Lysholm, Alf., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Torpedo. 2,269,030; Jan. 6.

MacArthur, William J., Los Angeles, Calif. Tank bleeder valve. 2,269,031; Jan. 6.

Macdonald, Rob R., Bayside, N. Y. Electrical connector. 2,269,314; Jan. 6.

Mack, Albert R. (See Morrison, W. A., and Mack.)

Mackie-Lovejoy Manufacturing Co. (See Warren, Clarke E., assignor.)

Mackintosh, George L., New York, N. Y., and E. B. Barkley, W. England, and L. H. Willson, Chicago, Ill., assignors to The Tablet & Ticket Co., Chicago, Ill. Changeable name strip directory. 2,269,278; Jan. 6.

Magyar Wolframlámpa Gyár Kremanezky János Részvénytársaság. (See Bay, Zoltan, assignor.)

Maier, Albert, Friedrichshafen, Bodensee, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Vehicle change-speed gear. 2,269,215; Jan. 6.

Mallory, Marion, Detroit, Mich. Carbureting and ignition system. 2,269,279; Jan. 6.

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)

Mann, Carl P. (See Hess, F. O., and Mann.)

Mansford, Hugh L. (See White, E. L. C., and Mansford.)

Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)

Marais, René, assignor to Société Anonyme André Citroën, Paris, France. Air cooling device for internal combustion engines. 2,268,954; Jan. 6.

Marble, Jarvis C., trustee, et al. (See Hedlund, Folke, G. H., assignor.)

Marble, Jarvis C., trustee, et al. (See Lysholm, Alf, assignor.)

Mark, Jacob G., Cambridge, and F. W. Lanigan, Belmont, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Container. 2,268,757; Jan. 6.

Marshall, Clinton E., Bronx, N. Y. Fountain pen clip. 2,269,118; Jan. 6.

Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc starting electrode. 2,268,604; Jan. 6.

Martin, Harry L., Middletown Township, Monmouth County, N. J. Surveying instrument. 2,268,758; Jan. 6.

Martin, John N. Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making tiles. 2,268,759; Jan. 6.

Martinez, Michele, London, England, assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,269,158; Jan. 6.

Mason, Frederick J., Oakland, Calif. Shovel attachment. 2,269,119; Jan. 6.

Mathews Conveyer Company. (See Bisset, William, assignor.)

Mathiesen, Christian. (See Whitehead, J. H., and Mathiesen.)

Mattersdorf, Gustav, Lawrence, N. Y. Friction brake. 2,268,605; Jan. 6.

Matteson, Elwin A., Youngstown, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Centering device for pay-off reels. 2,268,887; Jan. 6.

Maxim Silencer Company, The. (See Williamson, W. R., and Saco, assignors.)

Mazur, Erwin, Frankfort-on-the-Main, Germany. Release mechanism for fluid brake systems. 2,268,606; Jan. 6.

McCaleb, Albert G. (See Eakins, John F., assignor.)

McCarthy, James F., Jr., Wallace, Idaho. Tool sharpening and gauging machine. 2,268,714; Jan. 6.

McCarthy, James F., Jr., Wallace, Idaho. Reconditioning rock drill bits. 2,268,715; Jan. 6.

McCarthy, John J., Malden, Mass. Internal combustion engine. 2,269,084; Jan. 6.

McCarthy, William P., Chicago, assignor to H. M. McDonald, Evanston, Ill. Undergarment. 2,269,120; Jan. 6.
McChesney, Samuel W., Jr., Carey, assignor to Porcelain Products, Inc., Findlay, Ohio. Wire holder. 2,269,409; Jan. 6.
McConnell, John A., and H. G. Breier, assignors to Eli Lilly and Company, Indianapolis, Ind. Labeling machine. 2,268,760; Jan. 6.
McCown, Ray B., Maplewood, N. J., H. H. Schneckloth, Forest Hills, N. Y., and R. W. Smith, Maplewood, N. J., assignors of two-thirds to American Telephone and Telegraph Company, and one-third to Bell Telephone Laboratories, Incorporated. Telephone system. 2,269,375; Jan. 6.
McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Shelf evaporator. 2,268,885; Jan. 6.
McDonald, Herman M. (See McCarthy, William P., assignor.)
McElroy, William A., South Jacksonville, Fla. Artificial hand. 2,268,951; Jan. 6.
McElwain, Elizabeth W., Louisville, Ky. Hair curler. 2,268,952; Jan. 6.
McGee, Edward S., Atlanta, Ga. Locomotive brake control attachment. 2,268,953; Jan. 6.
McGill, Chester T., Elgin, Ill. Water conditioning apparatus. 2,268,607; Jan. 6.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,269,280; Jan. 6.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone temperature control system. 2,268,761; Jan. 6.
McGraw Electric Company. (See Aske, Leonard E., assignor.)
McGraw Electric Company. (See Gomersall, John R., assignor.)
McGraw Electric Company. (See Ireland, Murray, assignor.)
McGraw Electric Company. (See Scharf, Frank W., assignor.)
McGuire, Micheal J. A., Ottawa, Ontario, and R. B. Connon, Gatineau, Quebec, Canada. Slice for papermaking machines. 2,268,840; Jan. 6.
McIntosh, William B. (See Porthouse, C. R., and McIntosh.)
McLachlan, Dan, Jr., assignor to Corning Glass Works, Corning, N. Y. Preparing finely comminuated oxides. 2,269,059; Jan. 6.
McMahon, Raymond G., assignor to Fred Meyer, Inc., Portland, Oreg. Ice cream refrigerator. 2,268,551; Jan. 6.
McNally, James G. (See Dickey, J. B., and McNally.)
McNally, James G., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin. 2,269,216; Jan. 6.
McNally, James G., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Mixed polyvinyl acetal resin. 2,269,217; Jan. 6.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. N-aryl morpholone compound. 2,269,218; Jan. 6.
McNamara, Frank J., Buffalo, N. Y. Calculating device. 2,268,886; Jan. 6.
McNulty, George M., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,268,608; Jan. 6.
McPeters, W. L., as trustee. (See Essary, William M., assignor.)
Meier, Rolf, Basel, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Bacterial product and bacteria strains and producing the same. 2,268,955; Jan. 6.
Mendez, Charlie, assignor of one-half to F. J. Herman, Tampa, Fla. Refrigeration apparatus for trucks and trailers. 2,268,667; Jan. 6.
Mengel Company, The. (See Kramer, Charles, assignor.)
Merco Nordstrom Valve Company. (See Scherer, George F., assignor.)
Mergenthaler Linotype Company. (See Birdsall, Wilfred T.)
Mergott, J. E., Company, The. (See Laubenstein, George, assignor.)
Mericola, Francis C., assignor to Michigan Alkali Company, Wyandotte, Mich. Manufacture of fused chemical pellets. 2,268,888; Jan. 6.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware lehr. 2,268,609; Jan. 6.
Merrill, Leslie M., trustee, et al. (See Lysholm, Alf., assignor.)
Mestas, Ricardo, Los Angeles, assignor to Kobe, Incorporated, Huntington Park, Calif. Electric gauge. 2,268,956; Jan. 6.
Metallic Arts Co. (See Luti, Guido A., assignor.)
Meyer, Fred, Inc. (See McMahon, Raymond G., assignor.)
Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,268,889; Jan. 6.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,268,762; Jan. 6.
Michaels, Frank L., Fort Thomas, Ky. Parking meter. 2,268,716; Jan. 6.
Michell, Anthony G. M., Melbourne, Victoria, Australia. Power unit. 2,269,281; Jan. 6.
Michigan Alkali Company. (See Mericola, Francis C., assignor.)
Migliora, Xerus, Fairview, N. J. Shedding mechanism. 2,269,121; Jan. 6.
Miller Meters, Incorporated. (See Hazard, Charles S., assignor.)
Miller, Otto E., Turner, Kans., assignor to Baltimore Paper Company, Kansas City, Mo. Apparatus for preventing curl of envelope flaps. 2,268,610; Jan. 6.
Miller, William H., Fort Wayne, Ind., assignor to General Electric Company. Making soldered electrical connections. 2,269,219; Jan. 6.
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,268,717; Jan. 6.
Millmann, Henry F., assignor to Geuder Paeschke & Frey Co., Milwaukee, Wis. Milk can cover. 2,268,763; Jan. 6.
Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Lewandowski, Joseph T., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minnesota Mining & Manufacturing Company. (See Netherly, G. P., Anderson, and Cross, assignors.)
Mitchell, Douglas T., Westchester County, N. Y. Contact. 2,269,122; Jan. 6.
Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminating. 2,268,611; Jan. 6.
Mitford, John B., Rainhill, England, assignor to Corning Glass Works, Corning, N. Y. Tempering of hollow glass articles. 2,269,060; Jan. 6.
Moenck, Robert, East Farms, Wash. Closure cap securing means for jars and the like. 2,269,159; Jan. 6.
Moline Tool Company. (See Rosborough, William C., assignor.)
Moller, Conrad G., 3rd, New Canaan, Conn., assignor to The Acrotorque Company, Cleveland, Ohio. Hydraulic control. 2,268,764; Jan. 6.
Molter, Clarence B. (See Edens, H. N., and Molter.)
Monowatt Electric Corporation. (See Benander, George B., assignor.)
Monroe, Benjamin F., assignor to Tropic-Aire, Incorporated, Chicago, Ill. Securing upholstery material. 2,268,765; Jan. 6.
Monroe, Richard, Houston, Tex. Window lock. 2,268,766; Jan. 6.
Monsanto Chemical Company. (See Omansky, Morris, assignor.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container and making the same. 2,268,668; Jan. 6.
Moore, Harold H., Cleveland, Ohio. Display background construction. 2,268,669; Jan. 6.
Moore, Lawrence A., assignor to American Coating Mills, Inc., Elkhart, Ind. Trouser guard machine. 2,268,767; Jan. 6.
Moore, William D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Apparatus for coating and wrapping pipe. 2,269,032; Jan. 6.
Moran, Robert C., Wenonah, and D. E. Badertscher and H. G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,269,282; Jan. 6.
Morgan, George C., Birmingham, Ala., assignor to Continental Gin Company. Cleaning condensable fiber. 2,269,085; Jan. 6.
Morin, Floyd R., Marshfield, Oreg. Saw. 2,268,841; Jan. 6.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,269,160; Jan. 6.
Morris, Fred B., Haverford, Pa., assignor to B. D. Gilbert, New York, N. Y. Addressing machine. 2,269,086; Jan. 6.
Morrison, William A., Easton, Pa., and A. R. Mack, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Cushioning device. 2,269,033; Jan. 6.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,268,991; Jan. 6.
Morse, Richard S., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,269,161; Jan. 6.
Mortensen, Walter A., Jr., Chicago, Ill. Printed matter for blind reading and producing the same. 2,268,890; Jan. 6.
Moshier, Edson G. (See Gabrielson, W. A., and Moshier.)
Mueller, Emil L., Rutherford, N. J. Driving mechanism for sheets or bands. 2,268,891; Jan. 6.
Mulford, Logan W., Kew Gardens, N. Y. Translucent insulating building block. 2,269,123; Jan. 6.

Mullen, George W., Flushing, N. Y. Kit and the like. 2,269,343; Jan. 6.
Muller, J. C., N. V. (See Lehmann, Ernst C., assignor.)
Müller, Wolfgang, Neu-Strelitz, Germany, assignor to Askania-Werke A. G. Follow-up device. 2,268,612; Jan. 6.
Murphy, Paul B., South Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broadcast switching system. 2,269,034; Jan. 6.
Muselier, Bernard G. M., Paris, assignor to J. F. Herman, Boulogne-sur-Seine, France. System for suppiying and metering liquid fuel to motors. 2,268,957; Jan. 6.
Myers, Charles L., Merion, assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,269,283; Jan. 6.
Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Phenol-formaldehyde photographic sub. 2,269,220; Jan. 6.
Nashua Gummed and Coated Paper Company. (See Perry, Lloyd M., assignor.)
Nathanson, George B., Brookline, Mass. Food receptacle for children. 2,268,768; Jan. 6.
National Oil Products Company. (See Buxton, L. O., and Rosenberg, assignors.)
National Silk Hosiery Mills, Inc. (See Goodman, Jacob A., assignor.)
National-Standard Company. (See Pierce, Robert C., assignor.)
National Tube Company. (See Hicks, Howard M., assignor.)
National Tube Company. (See Kelso, John W., assignor.)
Neal, David S., Harrod, Ohio. Educational internal combustion engine. 2,269,035; Jan. 6.
Nelson, Algott L., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile door lock. 2,268,892; Jan. 6.
Nelson, Frank I., Jackson, Nebr. Self-adjusting cultivating attachment for tractors. 2,269,344; Jan. 6.
Nelson, Gussie H., M. Levine, and D. F. J. Lynch, Ames, Iowa, assignors to H. A. Wallace, Secretary of Agriculture of the United States of America. Removal of metallic elements from water. 2,269,315; Jan. 6.
Nerbas, Herman R., Roseburg, Oreg. Dental articulator. 2,269,061; Jan. 6.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Summer-winter air conditioning control system. 2,269,036; Jan. 6.
Netherly, George P., G. R. Anderson, and B. S. Cross, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive article and making the same. 2,269,415; Jan. 6.
Netherly, George P., and B. S. Cross, St. Paul, Minn., and G. R. Anderson, Wilmington, Del., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated abrasive article. 2,269,416; Jan. 6.
New, Fred M., assignor to Fredcraft Corporation, New York, N. Y. Electrically operated machine gun apparatus. 2,269,410; Jan. 6.
Newell, Heber L., Stratford, Conn., assignor to General Electric Company. Timing device. 2,269,162; Jan. 6.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,268,769; Jan. 6.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control circuit. 2,269,411; Jan. 6.
Newton Brothers (Derby) Limited. (See Newton, Frederick, assignor.)
Newton, Frederick, Duffield, Derby, assignor to Newton Brothers (Derby) Limited, Derby, England. Carbon pile electric regulator. 2,268,718; Jan. 6.
New York Trust Company. (See Garday, Louis J., assignor.)
Nickle, Clifford A., Schenectady, and G. H. Howe, Scotia, N. Y., assignors to General Electric Company. Permanent magnet. 2,269,345; Jan. 6.
Nielsen, Andrew, Portland, Oreg. Bat. 2,268,893; Jan. 6.
Niles-Bement-Pond Company. (See Whitehead, Alexander G., assignor.)
Nisbet, Robert H. (See Harding, W. G., and Nisbet.)
Nofziger, Jay C., Los Angeles, Calif. Athletic shoe cleat. 2,268,992; Jan. 6.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
North American Rayon Corporation. (See Taylor, J. I., and Schaefer, assignors.)
Norton, William J., assignor to W. E. Beyer, Indianapolis, Ind. Traffic signal. 2,268,719; Jan. 6.
Nusinow, Samuel, Baltimore, Md. Furniture. 2,268,842; Jan. 6.
Nusinow, Samuel, Baltimore, Md. Furniture construction and method. 2,268,843; Jan. 6.
O'Day, Cortland N., Port Washington, assignor to Air Devices Incorporated, New York, N. Y. Diffuser for the outlets of air ducts. 2,269,376; Jan. 6.
Ogg, Erson V. (See Claspy, H. J., and Ogg.)
Ogren, Oscar H., Rockford, Ill. Garment rack. 2,268,894; Jan. 6.
Ohio Insulation Company. (See Savidge, Clinton L., assignor.)
Ohls, Julius J. (See Lenke, George H., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oker, Arne J., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,269,037; Jan. 6.
Olson, Harry F., Audubon, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,269,284; Jan. 6.
Olson, Samuel, Chicago, Ill. Conveyer switch. 2,268,895; Jan. 6.
Olson, Samuel, Chicago, Ill. Automatic conveyer mechanism. 2,268,896; Jan. 6.
Omansky, Morris, Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition of unvulcanized crepe rubber. 2,269,377; Jan. 6.
Oneida Paper Products, Inc. (See Bischoff, L., Loeffler, and Jaeger, assignors.)
O'Neil, Charles M., Hopkins, Minn. Ammunition for small arms. 2,269,316; Jan. 6.
Onthank, Charles F., Chestnut Hill, Mass. Covered container with cover fastening means. 2,268,720; Jan. 6.
Orshansky, Elias, Jr., University Heights, assignor to The Acrotorque Company, Cleveland, Ohio. Bearing. 2,268,770; Jan. 6.
Osborne, John L., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Composition of matter. 2,269,397; Jan. 6.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,268,573; Jan. 6.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 2,268,574; Jan. 6.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Material loading apparatus. 2,268,569; Jan. 6.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Material loading apparatus. 2,268,570; Jan. 6.
Ossowsky, Bruno W., Seattle, Wash. Washing machine. 2,268,721; Jan. 6.
Oswego Falls Corporation. (See Price, John F., assignor.)
Othmer, Donald F., Brooklyn, assignor, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn. Process for dehydrating aliphatic acids by a combined extraction-distillation method. 2,269,163; Jan. 6.
Ott, John E., Lisle Township, Du Page County, assignor to Acme-Steel Company, Chicago, Ill. Strap joint. 2,269,285; Jan. 6.
Ott, John E., Lisle Township, Du Page County, assignor to Acme Steel Company, Chicago, Ill. Stay for use in forming freight carloads. 2,269,286; Jan. 6.
Oval Wood Dish Corporation. (See Hopkins, A. C., and Hope, assignors.)
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)
Package Machinery Company. (See Cornock, Edward F., assignor.)
Package Machinery Company. (See Tindal, John R., assignor.)
Page, Harold F., Chicago, Ill., and R. L. Richard, Minneapolis, Minn., assignors to American Telephone and Telegraph Company. Teletypewriter switchboard service observing circuit. 2,269,346; Jan. 6.
Palotce, John J., Youngstown, Ohio. Adjustable hone. 2,269,378; Jan. 6.
Papke, Kurth J. (See Andren, K. H., and Papke.)
Parten, Robert, Minneapolis, and W. M. Parten, Wayzata, Minn. Luggage carrier. 2,268,958; Jan. 6.
Parten, Ward M. (See Parten, Robert and W. M.)
Patton, Oscar M., Philadelphia, Pa., assignor to American Telephone and Telegraph Company. Teletypewriter switching system. 2,269,379; Jan. 6.
Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools Inc., Warren, Ohio. Die stock. 2,269,221; Jan. 6.
Pearson, Charlie C., Selma, Ala. Lumber trailer. 2,269,062; Jan. 6.
Pearson, George F. (See Gates, A. O., and Pearson, O. H. and G. F.)
Pearson, Otto H. (See Gates, A. O., and Pearson, O. H. and G. F.)
Pedrick, Irenee P., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 2,269,318; Jan. 6.
Peer, Leonard R., assignor to The Aetna Manufacturing Company, Cleveland, Ohio. Collapsible drape stand. 2,268,771; Jan. 6.
Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,269,222; Jan. 6.
Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Can body making machine. 2,268,613; Jan. 6.

Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Can end assembling machine. 2,268,614; Jan. 6.

Pelouch, James J., Cleveland, Ohio, assignor to The United States Air Compressor Company. Fluid motor. 2,268,898; Jan. 6.

Penn Metal Company. (See Spinosa, Arthur V., assignor.)

Pen-Chlor, Incorporated. (See Dietz, K., and Privinsky, assignors.)

People in the territory of the United States, Dedicated to the free use of the. (See Thornthwaite, Charles W., assignor.)

Perfect Circle Company, The. (See Given, Fred H., assignor.)

Perrin, René, assignor to Société d'Electrochimie, d'electrometallurgic et des Acieries Electriques d'Ugine, Paris, France. Obtaining deoxidised copper. 2,268,615; Jan. 6.

Perry, Donald M. (See Luer, A. T., Perry, and Howell Warren and W. E.)

Perry, Lloyd M., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Temperature-indicating instrumentality. 2,269,038; Jan. 6.

Peters, Franklin T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of apparel. 2,268,616; Jan. 6.

Peterson, Eric G., Riverside, R. I., assignor to Victor Ring Traveler Company. Making ring travelers. 2,268,772; Jan. 6.

Peterson, Eric G., Riverside, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 2,268,773; Jan. 6.

Peterson, Wilber P., Kansas City, Mo. Bicycle lamp support. 2,268,774; Jan. 6.

Pfalzgraff, Ross M., Nahant, Mass., assignor to General Electric Company. Insulation of electrical apparatus. 2,269,229; Jan. 6.

Phillips Petroleum Company. (See Crites, Wilbur J., assignor.)

Phoenix Glass Company. (See Claspy, H. J., and Ogg, assignors.)

Picard, Bernard R., Fort Dodge, Iowa. Railway car jack. 2,268,722; Jan. 6.

Pieracci, Roger J., Cedar Rapids, Iowa. Frequency modulation monitoring. 2,269,126; Jan. 6.

Pierce, John B., Foundation. (See Groeniger, William C., assignor.)

Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Making copper clad wire. 2,268,617; Jan. 6.

Pilkington Brothers Limited. (See Harrison, A., and Waldron, assignors.)

Pilz, Richard. (See Borchert, F., Kleindienst, Eule, and Pilz.)

Pitometer Log Corporation. (See Corbin, Francis L., assignor.)

Pittsburgh Coal Carbonization Company. (See Davies, Caleb, Jr., assignor.)

Place, Les W., E. T. John, assignors to The J. R. Clark Company, Minneapolis, Minn. Folding clothes rack. 2,269,317; Jan. 6.

Plaistowe, Donald L., Chelmsford, England, assignor to Radio Corporation of America. Television receiver. 2,268,671; Jan. 6.

Pleasantaire Corporation. (See Roper, Richard F., assignor.)

Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation. Selective amplifier. 2,268,672; Jan. 6.

Plimpton, Austin S., Worcester, assignor to Interstate Sales Corporation, Boston, Mass. Overalls. 2,269,380; Jan. 6.

Polkinghorn, Frank A., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Steerable antenna system. 2,268,844; Jan. 6.

Porcelain Products, Inc. (See McChesney, Samuel W., Jr., assignor.)

Porter-Cable Machine Company Inc., The. (See Emmons, Arthur N., assignor.)

Porter, Garnett H. (See Somerville, G. G., and Porter.)

Porthouse, Cyril R., Kent, and W. B. McIntosh, Akron, assignors to The Pyramid Rubber Company, Ravenna, Ohio. Nipple. 2,269,223; Jan. 6.

Potvin, Medord J., Siscoe, Quebec, Canada. Drill bit. 2,268,775; Jan. 6.

Pourchot, Pierre Frederic, Belfort, France, assignor to The La Mont Corporation, New York, N. Y. Regulation of superheat and feed water temperatures. 2,268,776; Jan. 6.

Powers, Clell, Detroit, Mich. Sandwich container. 2,268,845; Jan. 6.

Preston, J. Stanley, Bronxville, N. Y., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Circular knitting machine. 2,269,398; Jan. 6.

Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Container handling machine. 2,268,897; Jan. 6.

Prince, Seymour, et al. (See Adler, G. S., and Waldorf, assignors.)

Privinsky, Franz. (See Dietz, K., and Privinsky.)

Provost, Dwight C., Nassau, N. Y., assignor of one-half to H. T. Provost, Sloansville, N. Y. Wringer guard. 2,269,063; Jan. 6.

Provost, Harold T. (See Provost, Dwight C., assignor.)

Pusinelli, Eric. (See Serr, William F., assignor.)

Pyramid Rubber Company, The. (See Porthouse, C. R., and McIntosh, assignors.)

Pyzel, Robert, and C. G. Gerhold, assignors to Universal Oil Products Company, Chicago, Ill. Polymerization of hydrocarbons. 2,268,618; Jan. 6.

Quenelle, Charles C., and C. F. Turner, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making laminated fabrics. 2,269,125; Jan. 6.

Radio Corporation of America. (See Andrews, Edward F., assignor.)

Radio Corporation of America. (See Batsel, Cecil N., assignor.)

Radio Corporation of America. (See Blessing, Gregory W., assignor.)

Radio Corporation of America. (See Braden, Rene A., assignor.)

Radio Corporation of America. (See Brown, George H., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Fewings, D. J., and Kemp, assignors.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Foster, D. E., and Van Dyck, assignors.)

Radio Corporation of America. (See Guedon, Emile C., assignor.)

Radio Corporation of America. (See Hunter, James H., assignor.)

Radio Corporation of America. (See Kellogg, Edward W., assignor.)

Radio Corporation of America. (See Kuperis, Jan, assignor.)

Radio Corporation of America. (See Landon, Vernon D., assignor.)

Radio Corporation of America. (See Olson, Harry F., assignor.)

Radio Corporation of America. (See Plaistowe, Donald L., assignor.)

Radio Patents Corporation. (See Guanella, Gustav, assignor.)

Radio Patents Corporation. (See Plebanski, Jozef, assignor.)

Rafferty, Christopher A., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Temperature compensator for pressure actuated indicators. 2,268,847; Jan. 6.

Ramsey, Allan, Evanston, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Time delay reclosing fuse mechanism. 2,268,899; Jan. 6.

Ransome Concrete Machinery Company. (See Faber. John P., assignor.)

Ray, William A., Glendale, Calif. Burner control system. 2,268,959; Jan. 6.

Ray, William A., Glendale, Calif. Fluid control valve and electromagnetic operator therefor. 2,268,960; Jan. 6.

Raymond, Gwynne, and M. D. Creech and R. L. Feagles, Oklahoma City, Okla. Vessel for containing high pressure fluids. 2,268,961; Jan. 6.

Rayolite Rifle Range Company. (See Falkenberg, William P.)

Raytheon Manufacturing Company. (See Marshall, Laurence K., assignor.)

Read, Philip C., Shorewood, assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis. Bottle washer. 2,268,900; Jan. 6.

Reconstruction Finance Corporation. (See Westrope, Frederick J., assignor.)

Refining, Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)

Reid, James R., Tampa, Fla., assignor to one-half to J. A. Beasley, and one-half to J. B. Brady, Washington, D. C. Radio receiving apparatus. 2,268,619; Jan. 6.

Reinmuth, Otto. (See Kharasch, M. S., and Reinmuth.)

Reilly, Thomas W., Elizabeth, N. J., assignor to Federal Shipbuilding and Dry Dock Company. Welding. 2,269,224; Jan. 6.

Renshaw, David F. (See Wanner, W. E., and Renshaw.)

Reynolds Research Corporation. (See Reynolds, Richard S., assignor.)

Reynolds, Richard S., assignor to Reynolds Research Corporation, Richmond, Va. Coating fragile metal foils. 2,268,673; Jan. 6.

Reynolds, Theodore E., Cincinnati, Ohio. Cabinet. 2,269,319; Jan. 6.

Rhea, James W. (See Figg, L. J., Jr., and Rhea.)

Rhines, Thomas B., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor operating mechanism. 2,268,552; Jan. 6.

Rhodes, Marcus H., Hartford, Conn. Timing reminder. 2,268,553; Jan. 6.

Rich, Theodore A., Scheneetady, N. Y., assignor to General Electric Company. Electrostatic metering apparatus. 2,269,225; Jan. 6.

Richard, Robert L. (See Page, H. F., and Richard.)

Richards Chemical Works, Incorporated, The. (See Roth, Murray H., assignor.)

Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog. 2,268,962; Jan. 6.

Riddell, Fred P., Milwaukee, Wis. Decoy stabilizer and anchor. 2,268,963; Jan. 6.

Rideout, Russell H., assignor to Buffalo Forge Company, Buffalo, N. Y. Power feed mechanism for machine tools. 2,269,064; Jan. 6.

Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insoluble ammonia-hydrocarbon dihalide condensation products. 2,268,620; Jan. 6.

Riley, Francis B., Detroit, Mich. Valve. 2,269,127; Jan. 6.

Rinehart, Dean C., Fort Wayne, Ind., assignor to General Electric Company. Coin-controlled vending machine. 2,269,164; Jan. 6.

Roberts, Dudley, New York, N. Y., and L. Cooper, Monson, Mass., assignors to Rubatex Products, Inc., New York, N. Y. Gassing rubber by a combination of external and internal gases. 2,268,621; Jan. 6.

Roberts, Fred W., Portland, Oreg. Surgical splint. 2,269,065; Jan. 6.

Roberts, Harold W., La Grange, assignor to Thompson Manufacturing Company, Chicago, Ill. Apparatus for making strings. 2,268,848; Jan. 6.

Roberts, Wilmer S., Ferndale, Mich. Fan. 2,269,287; Jan. 6.

Robertson, John W., London, England. Work-holding vise. 2,269,381; Jan. 6.

Roblin, Richard O., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Disubstituted cyanamides. 2,269,399; Jan. 6.

Rohats, Nicholas, Scotia, N. Y., assignor to General Electric Company. Cathode ray oscillograph control. 2,269,226; Jan. 6.

Roko Corporation. (See Coberly, Clarence J., assignor.)

Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,268,670; Jan. 6.

Rooney, James H., and P. R. Hawtin, Spondon, near Derby, and S. R. Chaplin, Leicester, England, assignors to Celanese Corporation of America. Manufacture of artificial materials. 2,268,622; Jan. 6.

Roper, Richard F., Chevy Chase, Md., assignor to Pleasantaire Corporation, Washington, D. C. Air conditioning apparatus. 2,268,846; Jan. 6.

Rosborough, William C., assignor to Moline Tool Company, Moline, Ill. Retractable tool holder. 2,269,320; Jan. 6.

Rosenberg, Louis T. (See Buxton, L. O., and Rosenberg.)

Ross, David J., Benton Harbor, Mich. Lamp shade. 2,269,128; Jan. 6.

Ross, Ray, New York, N. Y. Package of interfolded paper sheets and dispensing wrapper therefor. 2,269,039; Jan. 6.

Roth, Murray H., Brooklyn, N. Y., assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J. Softening paper. 2,268,674; Jan. 6.

Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Short range electrical measuring apparatus. 2,269,227; Jan. 6.

Rubatex Products, Inc. (See Roberts, D., and Cooper, assignors.)

Rubin, Samuel L., Chicago, Ill. Bed lamp. 2,268,901; Jan. 6.

Rublee, George F., assignor to A. Slepian, Bridgeport, Conn. Storage battery. 2,269,040; Jan. 6.

Rugg, Edward H., Bridgeport, Conn., assignor to General Electric Company. Fixture stud for outlet boxes. 2,269,228; Jan. 6.

Rust, John D., Memphis, Tenn. Cotton-picking machine. 2,268,623; Jan. 6.

Rutledge, Harry E., Dormont, Pa. Lighting fixture. 2,269,165; Jan. 6.

Rutledge, Joseph F., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Application of fluorescent material to electron tubes. 2,269,129; Jan. 6.

Ryan, John D., Campbell, Calif. Recovery of sucrose from impure sucrose solutions. 2,268,902; Jan. 6.

Ryan, Orville T., Kansas City, Kans. Catheter holder. 2,269,124; Jan. 6.

S & W Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)

Saco, Felix, Jr. (See Williamson, W. R., and Saco.)

Saffell, Harold V., Los Angeles, Calif., assignor to Tetco Co. Fire extinguisher. 2,268,964; Jan. 6.

Saftlas, Joseph, and M. Grosskopf, Philadelphia, Pa.; said Grosskopf assignor to said Saftlas. Knitting machine. 2,269,288; Jan. 6.

Salem Engineering Company, The. (See Wolfe, Charles W., assignor.)

Salisbury, Frank M., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Uniting materials. 2,268,849; Jan. 6.

Salo, Martti, assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin. 2,269,166; Jan. 6.

Sanders, Rudolph M., Brooklyn, N. Y. Collapsible tube. 2,268,993; Jan. 6.

Sargent & Company. (See Edwards, William S., assignor.)

Sargent & Company. (See Voight, Henry G., assignor.)

Savage, Manuel H., Bridgeport, and L. H. Hitchcock, Milford, Conn., assignors to General Electric Company. Electrical cable. 2,269,230; Jan. 6.

Savidge, Clinton L., assignor to Ohio Insulation Company, Toledo, Ohio. Rock or mineral wool manufacture. 2,269,231; Jan. 6.

Sawyer, Charles B., Cleveland Heights, assignor to The Brush Beryllium Company, Cleveland, Ohio. Spark plug. 2,268,903; Jan. 6.

Schackelford, Orie, Fairmont, W. Va. Transfer device for conveyers. 2,268,724; Jan. 6.

Schaefer, Karl T. (See Taylor, J. I., and Schaefer.)

Schallis, Charles A., Highland Park, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Combined pull-to and latch lever for vehicle doors. 2,268,904; Jan. 6.

Scharf, Frank W., Marshall, Mich., assignor to McGraw Electric Company, Elgin, Ill. Electric toaster. 2,268,675; Jan. 6.

Schaub, Gordon C., Bayonne, and J. Schaub, Westfield, N. J., assignors to The Best Foods, Inc., New York, N. Y. Production of solid chilled edible products. 2,268,905; Jan. 6.

Schaub, Jacob. (See Schaub, Gordon C. and J.)

Schanfelberger, William F., Maplewood, N. J., assignor to The Harvel Corporation. Shellac-cashew nut shell liquid material reaction product. 2,269,347; Jan. 6.

Scheer, George, New York, N. Y. Box. 2,268,906; Jan. 6.

Schenke, Edward M. (See Shearer, H. E., and Schenke.)

Scherer, George F., San Francisco, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Lapping valve plugs. 2,268,723; Jan. 6.

Scheuer, Sidney H., New York, N. Y. Twill weave fabric. 2,269,321; Jan. 6.

Schiffiin, Herman, and J. E. Dunn, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Nonblinding vibrating screen. 2,269,289; Jan. 6.

Schmidt, Clarence C., Reynoldsburg, Ohio. Hydraulic actuated governor control. 2,269,382; Jan. 6.

Schneckloth, Harry H. (See McCown, R. B., Schneckloth, and Smith.)

Schneider, Günter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variometer. 2,268,850; Jan. 6.

Schneider, Wilhelm. (See Wilmanns, G., and Schneider.)

Scholl Mfg. Co., The. (See Froyd, Rolan J., assignor.)

Scholl, William M., Chicago, Ill. Surgical pad. 2,268,777; Jan. 6.

Schramm, Jacob R., Philadelphia, Pa. Plant marker. 2,269,087; Jan. 6.

Schreiner, Frank A., Chicago, Ill. Pen. 2,269,232; Jan. 6.

Scruggs, Loyd, University City, Mo. Chuck for fractional horsepower electric motors. 2,269,291; Jan. 6.

Schueder, George M., and E. F. Farrell, assignors to Evans Products Company, Detroit, Mich. Space heater. 2,268,778; Jan. 6.

Schultes, Joseph M., Detroit, Mich. Laundry tub. 2,268,851; Jan. 6.

Schultz, Arthur W., Allentown, Pa. Level alarm switch. 2,269,383; Jan. 6.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 2,269,130; Jan. 6.

Schumann, Artur, Kustrin-Neustadt, Germany. Molding reinforced building panels. 2,268,965; Jan. 6.

Schurger, Garner H., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Speed-change mechanism. 2,269,290; Jan. 6.

Schüssler, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic frequency control system. 2,269,041; Jan. 6.

Schwarz, Alfred, Ridgewood, assignor to Automotive Economy Corporation, Jersey City, N. J. Detonation suppressor for internal combustion engines. 2,269,131; Jan. 6.

Schwarz, Ernest I., Bronx, N. Y. Packing cup for brake mechanism. 2,268,624; Jan. 6.

Schweitzer & Conrad, Inc. (See Ramsey, Allan, assignor.)

Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)

Scorzoni, Joseph. (See Booth, R. E., and Scorzoni.)

Scott, Charles H., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Prefabricated building structure. 2,268,907; Jan. 6.

Scovill Manufacturing Company. (See Bahney, Luther W., assignor.)

Scovill Manufacturing Company. (See Williams, Selden T., assignor.)

Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Harvesting machine. 2,269,042; Jan. 6.

Secretary of Agriculture of the United States of America. (See Nelson, G. H., Levine, and Lynch, assignors.)

Secretary of Commerce, as trustee. (See Shearer, H. E., and Schenke, assignors.)

Seeburg Corporation, The. (See Johnson, Carl G., assignor.)

Seifert, William C., Narbeth, assignor to Electric Heating Equipment Company, Philadelphia, Pa. Recovery of metallic magnesium from mixtures of elemental magnesium and carbon monoxide, produced by the carboniferous reduction, at high temperatures, of magnesium oxide. 2,268,779; Jan. 6.

Selm, Harry E. (See Johnson, G. A., and Selm.)

Sellers, William, & Company. (See Pedrick, Irenee P., assignor.)

Serr, William F., assignor to E. Pusinelli, New York, N. Y. Combined cap and eyeshield. 2,269,322; Jan. 6.

Servel, Inc. (See Grubb, Gunnar, assignor.)

Servel, Inc. (See Grubb, G., and Strandberg, assignors.)

Servel, Inc. (See Köhler, Peter, assignor.)

Servel, Inc. (See Lynger, Erik S., assignor.)

Shanley, Connor B., Kirkwood, Mo. Molding core. 2,268,676; Jan. 6.

Sharpe, Alfred H. (See Cunningham, Andrew J., assignor.)

Shearer, Howard E., Washington, D. C., and E. M. Schenke, Bethesda, Md., assignors to the Secretary of Commerce and to his successors in office as trustee for the people of the United States of America. Testing the resistance of fabrics to snagging. 2,268,677; Jan. 6.

Shell Development Company. (See Dijkstra, Folkert, assignor.)

Shell Development Company. (See Liedholm, G. E., Cole, and Shultz, assignors.)

Shell Development Company. (See Woods, John P., assignor.)

Sheridan, T. W. & C. B., Company. (See Kleineberg, Paul E., assignor.)

Shiraishi, Roy T., Wilmington, Calif. Animal trap. 2,268,966; Jan. 6.

Shockey, Joseph S., Kansas City, Mo. Spectacles. 2,268,908; Jan. 6.

Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Water-soluble sulphapyridine derivative and making it. 2,268,780; Jan. 6.

Shultz, Irving I. (See Liedholm, G. E., Cole, and Shultz.)

Siekmann, Harold J. (See Groene, W. F., and Siekmann.)

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Kühnemann, Karl, assignor.)

Sigoda, Victor J., Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Applying reinforcing strip or tape. 2,268,625; Jan. 6.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Pinking shears. 2,268,626; Jan. 6.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,268,627; Jan. 6.

Simon, Louis F. (See Langsam, R. H., Weintraub, and Simon.)

Simplicity Engineering Company. (See Behnke, George W., assignor.)

Singer Manufacturing Company, The. (See Corrall, H., and Heggie, assignors.)

Sieuszko, Stephen R., Chicago, Ill. Machine for bending metal gutter hangers. 2,268,628; Jan. 6.

Siepian, Arthur. (See Rublee, George F., assignor.)

Slotoroff, Abraham, Brooklyn, N. Y. Bathing garment. 2,268,781; Jan. 6.

Small, William K., Kirkwood, Mo. Footwear. 2,268,967; Jan. 6.

Smit, J. K., & Sons, Inc. (See Kuzmick, Paul L., assignor.)

Smith, Arthur E., Los Angeles, Calif. Syringe ampoule. 2,268,994; Jan. 6.

Smith, L. C., & Corona Typewriters, Inc. (See Gabrielson, W. A., and Moshier, assignors.)

Smith, Robert W. (See McCown, R. B., Schneckloth, and Smith.)

Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)

Société Anonyme André Citroën. (See Marais, René, assignor.)

Société Bronzavia. (See Kitroser, Isaac, assignor.)

Societe d'Electrochimie d'Eletrometallurgic. (See Perrin, René, assignor.)

Societe Generale des Carburateurs Zenith. (See Lichtenstein, Johan, assignor.)

Society of Chemical Industry in Basle. (See Anderau, Walter, assignor.)

Society of Chemical Industry in Basle. (See Hanhart, Walter, assignor.)

Socony-Vacuum Oil Company. (See Hamilton, L. A., Fuller, and Berger, assignors.)

Socony-Vacuum Oil Company. (See Moran, R. C., Badertscher, and Berger, assignors.)

Socony-Vacuum Oil Company. (See Wanner, W. E., and Renshaw, assignors.)

Söderqvist, William O. N., Lidköping, Sweden. Clamping sleeve. 2,269,132; Jan. 6.

Solt, Ferdinand, et al. (See Beringer, Cornelius R., assignor.)

Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)

Somerville, Gareth G., and G. H. Porter, Pittsfield, Mass., assignors to General Electric Company. Welding flux. 2,269,107; Jan. 6.

Spaunburg, Harvey L., West Hartford, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter. 2,269,043; Jan. 6.

Specht, Woldemar, Philadelphia, Pa., assignor to General Electric Company. Electrical conductor. 2,269,233; Jan. 6.

Sperry Gyroscope Company. (See Harding, W. G., and Nisbet, assignors.)

Sperry-Sun Well Surveying Company. (See Webb, Earnest R., assignor.)

Spiegel, Alfred, et al. (See Beringer, Cornelius R., assignor.)

Spinosa, Arthur V., assignor to Penn Metal Company, Inc., Parkersburg, W. Va. Metal base for wall construction. 2,269,384; Jan. 6.

Sprague, Robert H. (See Brooker, L. G. S., and Sprague.)

Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Polymethine dye intermediates. 2,269,234; Jan. 6.

Sprole, Robert R. (See Green, D. B., and Sprole.)

Square D Company. (See Hall, Edward P., assignor.)

Stadt, Henry M. (See Clayton, B., Kerrick, and Stadt.)

Staerker, Otto, Gladewater, Tex. Coupling. 2,268,909; Jan. 6.

Standard Oil Company. (See Steel, Robert A., assignor.)

Standard Oil Development Company. (See Jessen, Frank W., assignor.)

Standard Oil Development Company. (See McNulty, G. M., and Zimmer, assignors.)

Stanley Works, The. (See Larson, Wilfred A., assignor.)

Stanolind Oil and Gas Company. (See Silverman, Daniel, assignor.)

Staples, Crawford E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,269,292; Jan. 6.

Steel, Robert A., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Valve. 2,268,725; Jan. 6.

Steiner, Oscar, assignor to The Folmer Graflex Corporation, Rochester, N. Y. High-speed between-the-lens photographic shutter. 2,269,400; Jan. 6.

Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Lens mount for photographic cameras. 2,269,401; Jan. 6.

Steininger, Louis G., Rochester, N. Y. Cigarette dispenser. 2,269,066; Jan. 6.

Stemen, William R. (See Urbain, O. M., and Stemen.)

Stevens, Martin H., Youngstown, Ohio. Buffing machine. 2,269,133; Jan. 6.

Stier, Hermann, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency iron core. 2,268,782; Jan. 6.

Stimpson, Walter F. (See Conners, Carl L., assignor.)

Stinne, Leslie W., Wynne, Ark. Hydraulic steering mechanism. 2,268,968; Jan. 6.

Stockett, James M. (See Fisher, Foster, assignor.)

Stokes, Harry, Lexington, Mass. Protective cage for bowling alleys. 2,268,969; Jan. 6.

Stover Manufacturing & Engine Co. (See Edens, H. N., and Molter, assignors.)

Strandberg, Paul. (See Grubb, G., and Strandberg.)

Strike, Nicholas L. (See Gates, A. O., and Pearson, Otto H. and G. F.)

Stryker, Albert R., Lawrenceburg, Ind., assignor of one-fourth to C. Tietig, Covington, Ky. Apparatus for making hydrogen. 2,268,910; Jan. 6.

Stuart, Robert, Forest Hills, N. Y., and M. H. Loughridge, Bergen, N. J. Coding machine. 2,269,293; Jan. 6.

Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 2,269,412; Jan. 6.

Sullivan Machinery Company. (See Curtis, John C., assignor.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sullivan Machinery Company. (See Osgood, Robert C., assignor.)

Sullivan Machinery Corporation. (See Cook, Robert A., assignor.)

Swackhamer, Farris S., assignor to American Cyanamid Company, New York, N. Y. Purifying ethyl lactate. 2,269,402; Jan. 6.

Swindell-Dressler Corporation. (See Brooke, Frank W., assignor.)

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Tablet & Ticket Co., The. (See Mackintosh, G. L., Barkley, England, and Willson, assignors.)

Talon, Inc. (See Corner, George H. C., assignor.)

Tark, Marcus B., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Floc concentration tank. 2,268,726; Jan. 6.

Tarnoski, Paul T., Oak Park, and E. H. Uhlmann, Evanston, Ill. Desalting and demulsifying compound for petroleum emulsions. 2,269,134; Jan. 6.

Tarrant, John G., New York, N. Y. Cigarette holder. 2,269,323; Jan. 6.

Tate, James R., Toronto, Ontario, Canada. Electric cut-out. 2,269,135; Jan. 6.

Tate, Malcolm C., Stamford, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Indicating apparatus. 2,268,783; Jan. 6.

Taylor, Joseph L., and K. T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Yarn separator. 2,268,727; Jan. 6.

Taylor-Winfield Corporation. (See Gabriel, Gustave O., assignor.)

Taylor-Winfield Corporation, The. (See Humphrey, Stanley, assignor.)

Tedder Fruit Branding Machine Company. (See Breshour, Elbert, Jr., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie. (See Brück, Lothar, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brück, Lothar, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Herzog, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kleen, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schneider, Günter, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schlüssler, Karl, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Stier, Hermann, assignor.)

Telephon-Apparat Fabrik E. Zwietusch and Company. (See Döhle, Hinrich, assignor.)

Teletype Corporation. (See Zenner, Raymond E., assignor.)

Tellkamp, Bernhard F., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Resistance device and making same. 2,269,136; Jan. 6.

Tennessee Eastman Corporation. (See Othmer, Donald F., assignor.)

Ternstedt Manufacturing Company. (See Nelson, Algott L., assignor.)

Ternstedt Manufacturing Company. (See Schallis, Charles A., assignor.)

Tetco Co. (See Saffell, Harold V., assignor.)

Texas Company, The. (See Atwell, H. V., and Bruner, assignors.)

Texas Company, The. (See Bruner, Frank H., assignor.)

Therm-Electric Meters Company Incorporated. (See Green, D. B., and Sprole, assignors.)

Thies, Howard, Caledonia, Minn. Tractor wood saw. 2,269,348; Jan. 6.

Thomas, Stanley R. (See Frauenthal, H., and Thomas.)

Thompson Manufacturing Company. (See Roberts, Harold W., assignor.)

Thompson, Tom H., Akron, Ohio. Vehicle spring liner. 2,268,784; Jan. 6.

Thornthwaite, Charles W., Arlington, Va., dedicated to the free use of the People in the Territory of the United States. Dew point recorder and indicator. 2,268,785; Jan. 6.

Tietig, Chester. (See Stryker, Albert R., assignor.)

Tindal, John R., West Springfield, assignor to Package Machinery Company, Springfield, Mass. Tearing strip package. 2,268,970; Jan. 6.

Tingey, Harold C., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Manufacturing patterned rubber sheets. 2,268,678; Jan. 6.

Tipton, Rubie L., assignor of twenty-five per cent to R. W. Henderson and twenty-five per cent to C. E. Harbin, Bakersfield, Calif. Load equalizing device. 2,269,385; Jan. 6.

Tongue, Thomas O. (See Gabeler, W. H., Wilson, and Tongue.)

Toop, Frederick, York, Pa. Shearing mechanism. 2,268,728; Jan. 6.

Trans-Lux Corporation. (See Kahn, Benjamin, assignor.)

Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Time delay reclosing fuse mechanism. 2,268,911; Jan. 6.

Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Time delay mechanism. 2,268,912; Jan. 6.

Tropic-Aire, Incorporated. (See Monroe, Benjamin F., assignor.)

True, George R. (See Dillman, E. J., and True.)

Tucker, Morton. (See Carson, Benjamin R., assignor.)

Tucker, William B., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Box toe and making the same. 2,268,729; Jan. 6.

Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Cooking range. 2,269,349; Jan. 6.

Turbett, Forrest L., and G. J. Vahrenkamp, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Lead pigment. 2,268,913; Jan. 6.

Turner, Carroll G., North Kansas City, Mo., and J. M. Arthur, Jr., Kansas City, Kans. Light responsive apparatus for controlling linear voltage. 2,269,324; Jan. 6.

Turner, Cornelius F. (See Quenelle, C. C., and Turner.)

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Power control. 2,269,294; Jan. 6.

Uhlmann, Elwood H. (See Tarnoski, P. T., and Uhlmann.)

Union Asbestos & Rubber Company. (See Breen, Henry D., assignor.)

Union, Frank L., Miami, Fla. Truss. 2,269,044; Jan. 6.

Union Switch & Signal Company, The. (See Allison, Leslie R., assignor.)

Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)

Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)

United Aircraft Corporation. (See Rhines, Thomas B., assignor.)

United Shoe Machinery Corporation. (See Baker, Corwin W., assignor.)

United Shoe Machinery Corporation. (See Cummings, Roy W., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)

United States Air Compressor Company. (See Pelouch, James J., assignor.)

United States Gypsum Company. (See Heeren, Arthur A., assignor.)

United States Rubber Company. (See Tingey, Harold C., assignor.)

United States Rubber Company. (See Wikle, George F., assignor.)

Universal Oil Products Company. (See Allender, Samuel S., assignor.)

Universal Oil Products Company. (See Pyzel, R., and Gerhold, assignors.)

Upjohn Company, The. (See Culter, S. H., and Himelick, assignors.)

Urbain, Oliver M., and W. R. Stemen, Columbus, Ohio, assignors to C. H. Lewis, Harpster, Ohio. Removing fluorides from water. 2,268,971; Jan. 6.

Ure, William H., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for manufacturing screw sticks. 2,269,168; Jan. 6.

Vacuum Extractors Limited. (See Cribb, Harold H., assignor.)

Vadersen, Charles W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressed band telephony. 2,269,295; Jan. 6.

Vagt, Walter, Berlin-Frohnau, Germany, assignor to The La Mont Corporation, New York, N. Y. Cooled tube support. 2,268,730; Jan. 6.

Vahrenkamp, George J. (See Turbett, F. L., and Vahrenkamp.)

Van Bloem, Paul S., Great Neck Estates, New York, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Lighting fixture. 2,268,731; Jan. 6.

Van Derhoef, Henry E., and A. E. Brooks, assignors to Eastman Kodak Company, Rochester, N. Y. Coating supports. 2,269,169; Jan. 6.

Vandervoort, Milford T., Saginaw, assignor to American Seating Company, Grand Rapids, Mich. Theater seat hinge. 2,268,914; Jan. 6.

Van Dijck, Willem J. D., The Hague, Netherlands. Refining fatty compounds. 2,268,786; Jan. 6.

Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,268,679; Jan. 6.

Van Dyck, Arthur F. (See Foster, D. E., and Van Dyck.)

Van Dyke, Russel H. (See McNally, J. G., and Van Dyke.)

Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Projector. 2,268,972; Jan. 6.

Veeder-Root Incorporated. (See Spaunburg, Harvey L., assignor.)

Veitch, Thomas, Torresdale, Pa. Translucent element and locking means therefor. 2,269,325; Jan. 6.

Vernon, William F., Newton, Iowa. Advertising door brace. 2,268,681; Jan. 6.

Victor Ring Traveler Company. (See Peterson, Eric G., assignor.)

Virtanen, Valdemar, Morristown, N. J. Clock and watch. 2,269,045; Jan. 6.

Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Lock. 2,268,973; Jan. 6.

Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Door lock. 2,268,974; Jan. 6.

Von Linde, Robert, Obermenzing, near Munich, Germany. Heat exchanger with wire heat conductors. 2,268,680; Jan. 6.

Vorwerk, Edgar, Hamburg, Germany. Extinguisher for cigars, cigarettes, and the like. 2,268,975; Jan. 6.

Waldorf, Helmuth W. (See Adler, G. S., and Waldorf.)

Waldron, Frederic B. (See Harrison, A., and Waldron.)

Wallace & Tiernan Co. Inc. (See Crampton, David, assignor.)

Walter, Louis G., and F. C. Koelle, Philadelphia, Pa. Convertible footstool and table. 2,268,732; Jan. 6.

Walther, George, and C. W. Leslie, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Brake mechanism. 2,268,685; Jan. 6.

Wandscheer, Gerrit, Sioux Center, Iowa. Snowplow. 2,269,326; Jan. 6.

Wanner, Walter E., and D. F. Renshaw, Olean, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method of operating wax filters. 2,268,788; Jan. 6.

Ward Leonard Electric Company. (See Logan, Frank G., assignor.)

Wardell, Wallis B., Highgrove, assignor to Hollywood Pin, Inc., Los Angeles, Calif. Hair clasp. 2,268,629; Jan. 6.
Warren, Clarke E., La Grange, assignor to Mackie-Lovejoy Manufacturing Co., Chicago, Ill. Garment hanger. 2,269,413; Jan. 6.
Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Multistage elastic fluid turbine. 2,269,235; Jan. 6.
Washburn Company, The. (See Glenny, Clarnee S., assignor.)
Wastl, Helene, and R. Beutner, assignors to Hahnemann Research Foundation, Philadelphia, Pa. Method and material for detoxifying local anesthetics. 2,268,915; Jan. 6.
Wales, George F., Buffalo, N. Y. Sheet metal perforating apparatus. 2,268,787; Jan. 6.
Watt, Oscar G., Tulsa, Okla. Combination water and room heater. 2,268,789; Jan. 6.
Watts, Bruce B., and E. Fackler, Jr., Corning, Iowa. Traffic control time indicator. 2,269,386; Jan. 6.
Weatherhead Company, The. (See Carlson, Bert G., assignor.)
Weaver, Carl H., Fresno, Calif. Furnace. 2,269,387; Jan. 6.
Weaver, Herbert D., San Diego, Calif. Noncorrosive battery terminal. 2,269,296; Jan. 6.
Webb, Earnest R., Long Beach, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,268,682; Jan. 6.
Webster Electric Company. (See Campbell, Richard H., assignor.)
Weekes, Byron W., Pasadena, Calif. Plastic liquefier. 2,268,686; Jan. 6.
Weida, Millard F., Louisville, Ohio. Extrusion molding machine. 2,269,388; Jan. 6.
Weida, Millard F., near Louisville, Ohio. Molding press. 2,269,389; Jan. 6.
Weintraub, Irving A. (See Langsam, R. H., Weintraub, and Simon.)
Wellmar, Sven, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden. Method and device for controlling the heat supply in cellulose driers. 2,269,236; Jan. 6.
Wende, Charles W. J. (See Adams, R., and Wende, assignors.)
Wendt, Bruno. (See Eggert, J., Wendt, and Jung.)
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric motor. 2,269,069; Jan. 6.
Western Cartridge Company. (See Kopp, Walter R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fahnoe, Harold H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Western Electric Company. (See Hannan, Dan O., assignor.)
Westrope, Frederick J., Pleasant Ridge, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Door check. 2,268,976; Jan. 6.
Westrope, Frederick J., Pleasant Ridge, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Door check. 2,268,977; Jan. 6.
White, Eric L. C., Hillingdon, and H. L. Mansford, Ickenham, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Voltage stabilizing device for electric supply systems. 2,268,790; Jan. 6.
White, Joe, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Horn control system. 2,269,070; Jan. 6.
White, Joe, Anderson, and J. W. Falconer, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Horn control system. 2,269,071; Jan. 6.
White, John P., Shreveport, La. Apparatus for recovering sulphur. 2,268,978; Jan. 6.
White, John W., Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Axially centered recoil mechanism for machine guns. 2,269,297; Jan. 6.
Whitehead, Alexander G., East Hartford, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Cross slide for lathes. 2,269,390; Jan. 6.
Whitehead Brothers Company. (See Whitehead, J. H., and Mathiesen, assignors.)
Whitehead, James H., Westfield, N. J., and C. Mathiesen, Albany, N. Y., assignors to Whitehead Brothers Company, Jersey City, N. J. Apparatus for screening sand and gravel mixtures. 2,269,046; Jan. 6.
Whittaker, Norman A., Seattle, Wash. Electric parking meter. 2,269,327; Jan. 6.
Widuch, Adam, Michigan City, Ind. Potato digging machine. 2,269,298; Jan. 6.
Wiebusch, Charles F. (See Hubbell, J. D., and Wiebusch.)
Wieseman, Robert W., Schenectady, N. Y., assignor to General Electric Company. Cooling arrangement for dynamoelectric machines. 2,269,237; Jan. 6.
Wiesner, Bertold P. H. (See Goldberg, A. A., and Wiesner.)
Wiggins, Leonard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Winding apparatus. 2,269,299; Jan. 6.
Wikle, George F., Ann Arbor, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for treating tires. 2,269,137; Jan. 6.
Wilde, Kurt, Berlin-Dahlem, and G. Zink, Berlin-Pankow, Germany, assignors to Askania-Werke A. G. Controlling device. 2,269,072; Jan. 6.
Wilkerson, Daniel C., assignor to General Motors Corporation, Detroit, Mich. Main clutch control. 2,268,916; Jan. 6.
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric unit. 2,269,403; Jan. 6.
Williams, Roy J., Topeka, Kans. Awning. 2,269,350; Jan. 6.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pneumatic safety control for presses. 2,268,733; Jan. 6.
Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Hydraulic hold-down. 2,269,328; Jan. 6.
Williamson, William R., Valley Stream, and F. Saco, Jr., Island Park, N. Y., assignors to The Maxim Silencer Company, Hartford, Conn. Exhaust gas heater. 2,268,979; Jan. 6.
Willson, Lester H. (See Mackintosh, G. L., Barkley, England, and Willson.)
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and W. Schneider, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Color photography. 2,268,630; Jan. 6.
Wilson, Alvin C. (See Gabeler, W. H., Wilson, and Tongue.)
Winders, William D., Columbus, Ohio. Record keeping apparatus. 2,269,067; Jan. 6.
Wirth, Dorsey M., Bucyrus, Ohio. Belt buckle. 2,269,329; Jan. 6.
Wolfe, Charles W., assignor to The Salem Engineering Company, Salem, Ohio. Method and apparatus for handling skelp. 2,269,093; Jan. 6.
Wolfson, Sidney L. (See Cuno, C. H., and Wolfson.)
Woodall Industries Incorporated. (See Kasch, Gerhard E., assignor.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Method of and apparatus for making lead oxide powder. 2,269,094; Jan. 6.
Woodring, Hubert E., Denver, Colo. Switching mechanism for automobile signals. 2,269,047; Jan. 6.
Woods, John P., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Multiple recording galvanometer. 2,269,414; Jan. 6.
Wright, Howard G., Richmond, Va. Hand covering. 2,269,048; Jan. 6.
Young, John, Toledo, Ohio. Electrically actuated implement. 2,268,687; Jan. 6.
Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Soldering iron. 2,268,995; Jan. 6.
Young, Maphet J., Youngstown, Ohio. Clothesline reel. 2,268,996; Jan. 6.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Color correction. 2,268,791; Jan. 6.
Zadek, Arthur, New York, N. Y. Rattle. 2,268,684; Jan. 6.
Zadek, Arthur, New York, N. Y., and I. E. Cohn, Leominster, Mass. Rattle. 2,268,683; Jan. 6.
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
Zellweger, Walter, St. Louis, Mo. Fan. 2,269,049; Jan. 6.
Zenner, Raymond E., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system and apparatus. 2,268,631; Jan. 6.
Zimmer, John C. (See McNulty, G. M., and Zimmer.)
Zimmerman, Emil, Everett, Wash. Chimney cap. 2,269,050; Jan. 6.
Zink, Georg. (See Wilde, K., and Zink.)
Zinke, Erhard, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube. 2,269,073; Jan. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Burner control system. L. L. Cunningham. Re. 21,993; Jan. 6.
Dowel means for roadway joints. J. M. Oates. Re. 21,996; Jan. 6.
Hair waving. G. Freudenberg and A. E. Reimers. Re. 21,994; Jan. 6.
Oils, Refining of animal and vegetable. B. Clayton. Re. 21,992; Jan. 6.
Sinks, wash basins, and the like, Making. J. Stanitz. Re. 21,997; Jan. 6.
Spool snubber. C. E. Mueller. Re. 21,995; Jan. 6.
Undergarment. A. R. Kneibler. Re. 21,999; Jan. 6.
Valve, Gas lift. M. B. Thomas. Re. 21,998; Jan. 6.

LIST OF DESIGN INVENTIONS

Automobile or similar article. J. Lagana. 131,046–7; Jan. 6.
Battery charger and tester casing, Combination. L. Hunter, Jr. 131,044; Jan. 6.
Blind, Line. L. S. Hamer. 131,021–2; Jan. 6.
Bracelet. I. Apisdorf. 131,014; Jan. 6.
Bracket, Container mounting. W. B. Johnson. 131,045; Jan. 6.
Case, Display. A. T. Mayer. 130,995; Jan. 6.
Case for a stove or similar article, Carrying. S. T. Howard. 131,008; Jan. 6.
Case, Tool. W. E. Russell. 131,029; Jan. 6.
Checker board. M. Hopper. 131,043; Jan. 6.
Chest, Upholstered cedar. L. Abramson. 131,001; Jan. 6.
Chopper, Potato. M. Flood. 131,020; Jan. 6.
Clock or similar article. D. Warsaw. 131,031; Jan. 6.
Collar and tie, Combined dog. M. Oppenhaim. 131,052; Jan. 6.
Conduit or similar article. J. F. O'Brien. 131,025; Jan. 6.
Conduit receptacle or similar article. J. F. O'Brien. 131,026–7; Jan. 6.
Cup or analogous article. H. C. Kupper. 131,032; Jan. 6.
Dental forceps. W. G. Lewis. 130,993; Jan. 6.
Dial and hands for a clock or similar article, Combined. C. C. Yotte. 131,048; Jan. 6.
Dispensing unit, Liquid. I. J. Leavitt. 130,992; Jan. 6.
Doll. C. MacGeachy. 130,994; Jan. 6.
Dress. I. Buchholz. 131,004; Jan. 6.
Dress. M. Fein. 131,019; Jan. 6.
Dress ensemble. S. Zahn. 131,012; Jan. 6.
Electrode plate, Monoscope. H. C. Moodey. 131,033; Jan. 6.
Fabric, Knitted textile. E. R. Popper. 131,034–6; Jan. 6.
Fabric, Textile. G. Megibow. 131,051; Jan. 6.
Fan. A. J. Bittson. 131,003; Jan. 6.
Fish lure. I. B. Albrecht and A. B. Kemp. 131,002; Jan. 6.
Flagstaff. E. L. Barrett. 131,015; Jan. 6.
Game board. B. O. Brabon. 131,017; Jan. 6.
Glove or similar article. M. Butler. 131,005; Jan. 6.
Glove or similar article, Lady's evening. M. Butler. 131,006; Jan. 6.
Handles, escutcheons, and corner plates for a casket or similar article, Combined. H. O. Utter. 131,030; Jan. 6.
Heel, Shoe. J. Bolten and R. H. Goldbaum. 131,037–9; Jan. 6.
Holder, Candle. C. F. Gray. 130,991; Jan. 6.
Lace. R. Dannecker. 131,049–50; Jan. 6.
Mitten. R. G. Stall. 131,053; Jan. 6.
Mounting, Ophthalmic. E. J. Brusell. 131,040; Jan. 6.
Mute for a wind musical instrument. W. Berg. 131,016; Jan. 6.
Panel, Building siding. A. Coburn. 131,018; Jan. 6.
Panel for radios or the like, Baffle board. A. C. Haggstrom. 131,042; Jan. 6.
Pen, Fountain. L. P. Martin and W. P. Olson. 130,998–131,000; Jan. 6.
Pen point, Fountain. L. P. Martin and W. P. Olson. 130,997; Jan. 6.
Plate or analogous article. H. C. Kupper. 131,023; Jan. 6.
Rack, Bottle. D. T. Carlson. 131,007; Jan. 6.
Rack, Laundry bag. C. A. Chidsey, Jr. 130,996; Jan. 6.
Receptacle for cosmetics and other articles. A. F. Reilly. 131,028; Jan. 6.
Receptacle or similar article, Conduit. J. F. O'Brien. 131,024; Jan. 6.
Shoe. C. Goldberg. 131,041; Jan. 6.
Signal for automobiles, Glare. M. Angelich. 131,013; Jan. 6.
Stand for ironing machines or other articles, Supporting. A. H. Gerhardt. 130,990; Jan. 6.
Tray, Ash. H. G. Shaughnessy. 131,011; Jan. 6.
Urn, Sand. W. H. Adams. 130,989; Jan. 6.
Ventilator, Roof. F. H. Leslie. 131,009–10; Jan. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. C. O. Johnson. 2,269,311; Jan. 6.
Abrading machine, Disk. A. N. Emmons. 2,268,863; Jan. 6.
Abrading tool. F. D. Kinney and L. W. Goddu. 2,268,599; Jan. 6.
Abrasive article and making the same. G. P. Netherly, G. R. Anderson, and B. S. Cross. 2,269,415; Jan. 6.
Abrasive article, Coated. G. P. Netherly, B. S. Cross, and G. R. Anderson. 2,269,416; Jan. 6.
Abrasive tool. P. L. Kuzmick. 2,268,663; Jan. 6.
Acid nitriles, Carboxylic. W. Hentrich and H.-J. Engelbrecht. 2,269,105; Jan. 6.
Acids by a combined extraction-distillation method, Dehydrating aliphatic. D. F. Othmer. 2,269,163; Jan. 6.
Addition agent and its use in the treatment of iron and steel. J. H. Critchett and W. Crafts. 2,269,407; Jan. 6.
Addressing machine. F. B. Morris. 2,269,086; Jan. 6.
Air conditioning apparatus. R. F Roper. 2,268,846; Jan. 6.
Air conditioning control system, Summer-winter. C. W. Nessell. 2,269,036; Jan. 6.
Air conditioning system. R. B. P. Crawford. 2,269,053; Jan. 6.
Air conditioning system. W. L. McGrath. 2,269,280; Jan. 6.
Air conditioning system. A. B. Newton. 2,268,769; Jan. 6.
Air cooling apparatus. A. B. Hubbard. 2,269,205; Jan. 6.
Air cooling device for internal combustion engines. R. Marais. 2,268,954; Jan. 6.
Aircraft fuel pump. R. R. Curtis. 2,268,804–5; Jan. 6.
Aircraft fuel pump. R. R. Curtis. 2,268,807; Jan. 6.
Air separator. T. J. Sturtevant. 2,269,412; Jan. 6.
Alarm, Burglar. F. H. Gulliksen. 2,269,340; Jan. 6.
Alcohol containing an alkyl carbonate, Denatured. L. J. Figg, Jr., and J. W. Rhea. 2,269,193; Jan. 6.
Alcohol containing an alkyl furoate, Denatured. L. J. Figg, Jr., and J. W. Rhea. 2,269,192; Jan. 6.
Ammonia hydrocarbon dihalide condensation products, Insoluble. G. W. Rigby. 2,268,620; Jan. 6.
Ammunition for small arms. C. M. O'Neil. 2,269,316; Jan. 6.
Amplifier analyzer, Audio. W. M. Essary. 2,268,931; Jan. 6.
Amplifier, Selective. J. Piebanski. 2,268,672; Jan. 6.
Ampoule, Syringe. A. E. Smith. 2,268,994; Jan. 6.
Amusement device. J. D'Errico. 2,268,646; Jan. 6.
Anesthetics, Method and material for detoxifying local. H. Wastl and R. Beutner. 2,268,915; Jan. 6.
Animal trap. R. T. Shiraishi. 2,268,966; Jan. 6.
Antenna, Rotary beam. G. H. Brown. 2,268,640; Jan. 6.
Antenna system, All-wave. V. D. Landon. 2,268,664; Jan. 6.
Antenna system, Directive. R. Boerner. 2,269,075; Jan. 6.
Antenna system, Steerable. F. A. Polkinghorn. 2,268,844; Jan. 6.
Anthrapydridone compounds and material colored therewith. G. F. Frame. 2,268,814; Jan. 6.
Antifreeze composition. L. Bernard. 2,269,138; Jan. 6.
Apparatus and process for storage of dry ice. W. T. Birdsall. 2,269,172; Jan. 6.
Apparatus for coating and wrapping pipe. W. D. Moore. 2,269,032; Jan. 6.
Apparatus for controlling heating systems. J. T. Lewandowski. 2,268,711; Jan. 6.
Apparatus for evaporating milk and other liquid products. J. M. Hall. 2,268,871; Jan. 6.
Apparatus for indicating efficiency. R. J. Kennedy. 2,268,549; Jan. 6.
Apparatus for laying up thread. W. H. Furness. 2,268,866; Jan. 6.
Apparatus for making hydrogen. A. R. Stryker. 2,268,910; Jan. 6.
Apparatus for making strings. H. W. Roberts. 2,268,848; Jan. 6.
Apparatus for manufacturing screw sticks. W. H. Ure. 2,269,168; Jan. 6.
Apparatus for measuring the distance of an airplane above the earth. K. Kühnemann. 2,269,374; Jan. 6.
Apparatus for predrying of waste fuel in furnaces. K. P. Krogh and C. H. Biering. 2,269,273; Jan. 6.
Apparatus for preparing phosphatic fertilizers. W. H. Gabeler, A. C. Wilson, and T. O. Tongue. 2,268,816; Jan. 6.
Apparatus for preventing curl of envelope flaps. O. E. Miller. 2,268,610; Jan. 6.
Apparatus for recovering sulphur. J. P. White. 2,268,978; Jan. 6.
Apparatus for refining lubricating oils. C. E. Holt. 2,268,706; Jan. 6.
Apparatus for screening sand and gravel mixtures. J. H. Whitehead and C. Mathiesen. 2,269,046; Jan. 6.
Apparatus for treating tires. G. F. Wikle. 2,269,137; Jan. 6.
Apparel, Article of. F. T. Peters. 2,268,616; Jan. 6.
Article holder. M. L. P. Hagerty. 2,268,934; Jan. 6.
Articles and the like, Making double walled. W. H. Klocke. 2,269,313; Jan. 6.
Artificial materials, Manufacture of. J. H. Rooney, P. R. Hawtin, and S. R. Chaplin. 2,268,622; Jan. 6.
Asphalt composition. F. Dijkstra. 2,268,810; Jan. 6.
Automobile hood latching means. E. D. Dall. 2,268,741; Jan. 6.
Automobile parking apparatus. O. C. Butzlen. 2,268,800; Jan. 6.
Awning. R. J. Williams. 2,269,350; Jan. 6.
Ax handle protector. Z. H. Ettelson. 2,268,580; Jan. 6.
Bacterial product, and bacteria strains and producing the same. R. Meier. 2,268,955; Jan. 6.
Bag with channeled frame. G. M. Laubenstein. 2,269,212; Jan. 6.
Bait, Artificial fish. F. A. Arbogast. 2,268,541; Jan. 6.
Bank, Coin. J. B. Aronson, F. Kusch, and J. L. Eisendrath, Jr. 2,268,690; Jan. 6.
Base for wall construction, Metal. A. V. Spinosa. 2,269,384; Jan. 6.
Bat. A. Nielsen. 2,268,893; Jan. 6.
Batch meter. J. P. Faber. 2,269,014; Jan. 6.
Battery, Storage. G. F. Rublee. 2,269,040; Jan. 6.
Battery terminal, Noncorrosive. H. D. Weaver. 2,269,296; Jan. 6.
Bearing member. F. H. Given. 2,268,868–9; Jan. 6.
Bearing. E. Orshansky, Jr. 2,268,770; Jan. 6.
Bearing retaining means. H. Frauenthal and S. R. Thomas. 2,268,745; Jan. 6.
Bed lamp. S. L. Rubin. 2,268,901; Jan. 6.
Belts, Manufacturing raw edge. A. L. Freedlander. 2,268,865; Jan. 6.
Beverages, Packaging. E. W. Beck. 2,268,734; Jan. 6.
Bicycle lamp support. W. P. Peterson. 2,268,774; Jan. 6.
Bit: *See*—
Drill bit.
Bits, Reconditioning rock drill. J. F. McCarthy, Jr. 2,268,715; Jan. 6.
Blanks, Making. C. T. Dickey. 2,267,703; Jan. 6.
Blind and curtain. G. D. Dodge. 2,268,858; Jan. 6.
Block: *See*—
Building block.
Boiler, Steam. E. G. Bailey. 2,268,559; Jan. 6.
Bottle washer. P. C. Read. 2,268,900; Jan. 6.
Box: *See*—
Fused switch box. Reinforced shipping box.
Miter box.
Box. G. Scheer. 2,268,906; Jan. 6.
Box toe and making the same. W. B. Tucker. 2,268,729; Jan. 6.
Brake: *See*—
Friction brake.
Brake. G. A. Goepfrich. 2,269,261–2; Jan. 6.
Brake. J. S. Irving. 2,269,268; Jan. 6.
Brake control attachment, Locomotive. E. S. McGee. 2,268,953; Jan. 6.
Brake mechanism. E. R. Fitch. 2,269,054; Jan. 6.
Brake mechanism. G. Walther and C. W. Leslie. 2,268,685; Jan. 6.
Buckle, Belt. D. M. Wirth. 2,269,329; Jan. 6.
Buckle, Strap. J. C. Chenette. 2,268,738; Jan. 6.
Buffing machine. M. H. Stevens. 2,269,133; Jan. 6.
Building block, Glazed. E. S. Guignon, Jr. 2,269,018; Jan. 6.
Building block, Translucent insulating. L. W. Mulford. 2,269,123; Jan. 6.
Building panels, Molding reinforced. A. Schumann. 2,268,965; Jan. 6.
Building structure, Prefabricated. C. H. Scott. 2,268,907; Jan. 6.
Burner: *See*—
Fuel burner. Gasifying burner.
Burner control, Automatic fluid fuel. S. J. Levine. 2,269,157; Jan. 6.
Bushing. Watch stem. C. B. Greenberg. 2,268,749; Jan. 6.
Cabinet. T. E. Reynolds. 2,269,319; Jan. 6.

Cable: *See*—
Electric cable. Electrical cable.
Cable terminal. L. M. Keefe. 2,269,114; Jan. 6.
Cage for bowling alleys, Protective. H. Stokes. 2,268,969; Jan. 6.
Calculating device. F. J. McNamara. 2,268,886; Jan. 6.
Camera, Folding. H. O. Drotning. 2,269,148; Jan. 6.
Can body making machine. N. Pelosi. 2,268,613; Jan. 6.
Can end assembling machine. N. Jelosi. 2,268,614; Jan. 6.
Cane. H. R. Lounsbery. 2,269,029; Jan. 6.
Canning, Method of and apparatus for. C. O. Ball. 2,268,563; Jan. 6.
Cap: *See*—
Chimney cap.
Cap and eyeshield, Combined. W. F. Serr. 2,269,322; Jan. 6.
Carbureting and ignition system. M. Mallory. 2,269,279; Jan. 6.
Carburetor. J. Lichtenstein. 2,269,275–6–7; Jan. 6.
Carrier: *See*—
Luggage carrier. Pneumatic tube carrier.
Carrying container, Collapsible. I. Dorfman. 2,269,013; Jan. 6.
Catalytic conversions in the presence of ferrous metals, Execution of. G. E. Liedholm, R. M. Cole, and I. I. Shultz. 2,269,028; Jan. 6.
Catheter holder. O. T. Ryan. 2,269,124; Jan. 6.
Cathode ray oscillograph control. N. Rohats. 2,269,226; Jan. 6.
Cathode-ray tube. S. J. Koch. 2,269,115; Jan. 6.
Cathodes for electron tubes, Manufacturing. A. Felsner. 2,269,081; Jan. 6.
Ceiling construction. A. A. Heeren. 2,268,822; Jan. 6.
Cellulose derivatives, Producing. R. S. Bley. 2,268,564; Jan. 6.
Cellulosic materials, Softening artificial. W. König. 2,268,832; Jan. 6.
Cement powders and producing acidproof mortars therefrom. K. Dietz and F. Privinsky. 2,269,096; Jan. 6.
Centering device for pay-off reels. E. A. Matteson. 2,268,887; Jan. 6.
Chain: *See*—
Conveyer chain.
Chamber for pianos, Resonance. E. B. Jones. 2,268,875; Jan. 6.
Change-speed gear, Vehicle. A. Maier. 2,269,215; Jan. 6.
Chimney cap. E. Zimmerman. 2,269,050; Jan. 6.
Chuck for fractional horsepower electric motors. L. Scruggs. 2,269,291; Jan. 6.
Chute, Branding. A. C. Huckelbridge. 2,268,707; Jan. 6.
Cigarette dispenser. L. G. Steininger. 2,269,066; Jan. 6.
Cigarette holder. J. G. Tarrant. 2,269,323; Jan. 6.
Cigarette package. E. F. Cornock. 2,268,926; Jan. 6.
Circuit: *See*—
Controlled feedback circuit. Motor control circuit.
Circuit interrupter. H. H. Fahnoe. 2,269,339; Jan. 6.
Circuits, Electric control. G. W. Garman. 2,269,151; Jan. 6.
Circuits, Gain control. B. J. Kinsburg. 2,269,408; Jan. 6.
Circuits, Traffic counting. B. Cooper. 2,268,925; Jan. 6.
Clip: *See*—
Fountain pen clip.
Clock and watch. V. Virtanen. 2,269,045; Jan. 6.
Closure cap securing means for jars and the like. R. Moenck. 2,269,159; Jan. 6.
Clothes rack, Folding. L. W. Place and E. T. John. 2,269,317; Jan. 6.
Clothesline reel. M. J. Young. 2,268,996; Jan. 6.
Clutch control, Main. D. C. Wilkerson. 2,268,916; Jan. 6.
Clutch for punch presses, Cone. C. M. Eason. 2,268,578; Jan. 6.
Coating fragile metal foils. R. S. Reynolds. 2,268,673; Jan. 6.
Code calling system. D. S. Dewire. 2,269,361; Jan. 6.
Coding machine. R. Stuart and M. H. Loughridge. 2,269,293; Jan. 6.
Coffee maker. L. E. Aske. 2,268,633; Jan. 6.
Coffee maker. I. Jepson and G. Browning. 2,269,111–12; Jan. 6.
Collapsible drape stand. L. R. Peer. 2,268,771; Jan. 6.
Collapsible tube. R. M. Sanders. 2,268,993; Jan. 6.
Color correction. J. A. C. Yule. 2,268,791; Jan. 6.
Communication system. R. H. Campbell. 2,269,141–4; Jan. 6.
Compartment for high altitude aircraft, Double-walled. E. Kolland. 2,269,209; Jan. 6.
Composition in cream form adapted to remove hardened liquid nail polish and making same. H. M. Carter. 2,268,642; Jan. 6.
Compressor or the like. E. Dupont. 2,268,929; Jan. 6.
Concrete form tie. K. F. Lind. 2,268,883; Jan. 6.
Concrete placement apparatus. C. Jackson. 2,269,109–10; Jan. 6.
Conductor, Electrical. W. Specht. 2,269,233; Jan. 6.
Conductor, Terminal. E. H. Ayers. 2,269,241; Jan. 6.
Connection for connecting stem members and bored members, Screw type. G. Drewett. 2,268,576; Jan. 6.
Connector: *See*—
Electrical connector.
Contact. D. T. Mitchell. 2,269,122; Jan. 6.
Container: *See*—
Carrying container. Refuse container.
Dispensing container. Sandwich container.
Container. H. J. Leddy. 2,269,092; Jan. 6.
Container. J. G. Mark and F. W. Lanigan. 2,268,757; Jan. 6.
Container and making same, Transparent. L. D. Hokerk. 2,269,201; Jan. 6.
Container and method of making the same. G. A. Moore. 2,268,668; Jan. 6.
Container handling machine. J. F. Price. 2,268,897; Jan. 6.
Container with cover fastening means, Covered. C. F. Onthank. 2,268,720; Jan. 6.
Contrivance for amusement and entertainment. E. Gatewood. 2,268,932; Jan. 6.
Control device. J. J. Bloomfield. 2,269,246; Jan. 6.
Control device for burners. J. L. Breese. 2,269,248; Jan. 6.
Control for trolley frogs, Automatic. E. G. Brown. 2,268,922; Jan. 6.
Control system, Burner. W. A. Ray. 2,268,959; Jan. 6.
Control switch. J. Eaton. 2,269,191; Jan. 6.
Controlled feedback circuit. L. Brück. 2,269,249; Jan. 6.
Controlling device. K. Wilde and G. Zink. 2,269,072; Jan. 6.
Conveyer apparatus, Loading and unloading. W. Bisset. 2,268,692; Jan. 6.
Conveyer chain. C. N. Bergmann. 2,268,542; Jan. 6.
Conveyer flight, Detachable. C. F. Guest. 2,269,056; Jan. 6.
Conveyer, Fruit inspection. J. S. Cowl. 2,268,803; Jan. 6.
Conveyer mechanism, Automatic. S. Olson. 2,268,896; Jan. 6.
Conveyer, Shaker. R. S. Bigelow. 2,268,638; Jan. 6.
Conveyer switch. S. Olson. 2,268,895; Jan. 6.
Conveyer, Vertical. W. C. Ellis. 2,268,862; Jan. 6.
Conveyers, Transfer device for. O. Schackelford. 2,268,724; Jan. 6.
Conveying apparatus. W. R. Boyer. 2,268,693; Jan. 6.
Conveying apparatus. J. H. Morrow. 2,268,991; Jan. 6.
Cooker, Frankfurter. W. F. Breneman. 2,269,178; Jan. 6.
Cooling arrangement for dynamoelectric machines. R. W. Wieseman. 2,269,237; Jan. 6.
Copper, Obtaining deoxidized. R. Perrin. 2,268,615; Jan. 6.
Corn and callous pad. R. J. Froyd. 2,268,746; Jan. 6.
Cotton-picking machine. J. D. Rust. 2,268,623; Jan. 6.
Counter. K. H. Andren and K. J. Papke. 2,269,330; Jan. 6.
Counter. H. L. Spaunburg. 2,269,043; Jan. 6.
Countersink. C. H. Dutholt. 2,269,255; Jan. 6.
Coupling. W. F. Allenby. 2,269,170; Jan. 6.
Coupling. O. Staerker. 2,268,909; Jan. 6.
Cover: *See*—
Milk can cover.
Crusher. T. F. Davis. 2,269,306; Jan. 6.
Crystals, Method to diminish damping of. W. Herzog. 2,268,823; Jan. 6.
Cultivating attachment for tractors, Self-adjusting. F. I. Nelson. 2,269,344; Jan. 6.
Cup for brake mechanism, Packing. E. I. Schwarz. 2,268,624; Jan. 6.
Curler, Hair. E. W. McElwain. 2,268,952; Jan. 6.
Cushioning device. W. A. Morrison and A. R. Mack. 2,269,033; Jan. 6.
Cyanamides, Disubstituted. R. O. Roblin, Jr. 2,269,399; Jan. 6.
Cylinder, Double gripper. L. Bischoff, R. Loeffler, Jr., and E. T. Jaeger. 2,268,921; Jan. 6.
Dental articulator. H. R. Nerbas. 2,269,061; Jan. 6.
Derrick, Sectional. W. Brauer. 2,268,796; Jan. 6.
Detonation suppressor for internal combustion engines. A. Schwarz. 2,269,131; Jan. 6.
Device for the formation of tobacco layers. E. C. Lehmann. 2,269,116; Jan. 6.
Device which enables dressings or plasters to be kept at a constant degree of radioactivity. S. Klinghoffer. 2,269,027; Jan. 6.
Di (aryl amino) alkacyl amide. J. B. Dickey and J. G. McNally. 2,269,147; Jan. 6.
Die. A. C. Ericson. 2,268,981; Jan. 6.
Die casting machine. A. F. Lehmann. 2,268,949; Jan. 6.
Die stock. R. B. Pealer. 2,269,221; Jan. 6.
Diffuser for the outlets of air ducts. C. N. O'Day. 2,269,376; Jan. 6.
Directory, Changeable name strip. G. L. MacKintosh, E. B. Barkley, W. England, and L. H. Willson. 2,269,278; Jan. 6.
Discharge tube arrangement. W. Kleen. 2,268,830; Jan. 6.
Disk or blade, Soil and moisture conserving. V. F. Cahoy. 2,269,051; Jan. 6.
Dispenser: *See*—
Cigarette dispenser. Glue dispenser.
Food dispenser. Sugar dispenser.
Dispensing apparatus. H. Jerum. 2,268,596; Jan. 6.
Dispensing container. J. M. Hothersall. 2,268,592; Jan. 6.

Dispensing device, Article. A. C. Hopkins and S. N. Hope. 2,268,873; Jan. 6.
Display background construction. H. H. Moore. 2,268,669; Jan. 6.
Display device. B. G. Hollander. 2,269,310; Jan. 6.
Display device, Illusionary. H. E. Bohlen. 2,269,002; Jan. 6.
Display rack. W. E. Demme. 2,268,927; Jan. 6.
Display rack. C. S. Glenny. 2,268,748; Jan. 6.
Distance determining system. G. Guanella. 2,268,587; Jan. 6.
Distance finder, Frequency modulation. M. G. Crosby. 2,268,643; Jan. 6.
Distillation apparatus. J. C. Hecker. 2,269,153; Jan. 6.
Doll, Animated. E. Bocchino. 2,269,334; Jan. 6.
Door brace, Advertising. W. F. Vernon. 2,268,681; Jan. 6.
Door check. R. C. Jacobs. 2,268,942; Jan. 6.
Door check. F. J. Westrope. 2,268,976–7; Jan. 6.
Door lock. H. G. Voight. 2,268,974; Jan. 6.
Door lock, Automobile. A. L. Nelson. 2,268,892; Jan. 6.
Drag testing device. J. M. Bell. 2,269,305; Jan. 6.
Drawer for articles of furniture. R. Abelmann. 2,268,917; Jan. 6.
Drier: *See*—
Line drier.
Drill: *See*—
Rock drill.
Drill bit. M. J. Potvin. 2,268,775; Jan. 6.
Drilling apparatus. C. F. Osgood. 2,268,574; Jan. 6.
Drive, Multiple airscrew. A. E. Herring. 2,269,309; Jan. 6.
Driving mechanism. S. M. Coffman. 2,268,802; Jan. 6.
Driving mechanism for sheets or bands. E. L. Mueller. 2,268,891; Jan. 6.
Dry ice storage. W. T. Birdsall. 2,269,174; Jan. 6.
Duplicating machine. H. Hermann. 2,268,657; Jan. 6.
Duplicator. H. Hildebrandt. 2,269,199; Jan. 6.
Duster, Neck. D. Cory. 2,268,740; Jan. 6.
Dye intermediates, Polymethine. R. H. Sprague. 2,269,234; Jan. 6.
Dyes from color films, Removal of, Filter. Le R. M. Dearing. 2,269,146; Jan. 6.
Dyes, Pyrrole methine and tri-methine cyanine backing. L. G. S. Brooker and R. H. Sprague. 2,268,798; Jan. 6.
Dyestuffs and making same, Polyazo. W. Anderau. 2,268,919; Jan. 6.
Dyestuffs and their manufacture, Azo. A. Hasler, A. Conzetti, and A. Krebser. 2,268,936; Jan. 6.
Dyestuffs, Iodine-containing. A. A. Goldberg and B. P. H. Wiesner. 2,269,366; Jan. 6.
Dyestuffs of the triazol series and making same. W. Hanhart. 2,268,935; Jan. 6.
Dynamoelectric machine. L. F. Hemphill. 2,269,154; Jan. 6.
Dynamoelectric machine. W. J. Morrill. 2,269,160; Jan. 6.
Eddy reducing valve. H. E. Haven and J. B. King. 2,269,404; Jan. 6.
Edger. H. T. Clark. 2,269,007; Jan. 6.
Edible products, Production of solid chilled. G. C. and J. Schaub. 2,268,905; Jan. 6.
Educational internal combustion engine. D. S. Neal. 2,269,035; Jan. 6.
Ejecting means for cap forming machines. L. M. Harvey. 2,268,937; Jan. 6.
Electric arc welding, Process and device for. G. Hafergut. 2,269,369; Jan. 6.
Electric cable. L. Emanueli. 2,268,704; Jan. 6.
Electric contact. F. R. Hensel. 2,268,939; Jan. 6.
Electric contacting element. F. R. Hensel. 2,268,938; Jan. 6.
Electric contacting element. F. R. Hensel. 2,268,940; Jan. 6.
Electric controlling apparatus. F. G. Logan. 2,268,756; Jan. 6.
Electric cutout. J. R. Tate. 2,269,135; Jan. 6.
Electric fixture attaching means. W. S. Klein. 2,268,831; Jan. 6.
Electric gauge. R. Mestas. 2,268,956; Jan. 6.
Electric heater. F. E. Finlayson. 2,269,194–5; Jan. 6.
Electric lamp, Incandescent. G. N. Criger and L. R. Dehler. 2,268,700; Jan. 6.
Electric motor. C. J. Werner. 2,269,069; Jan. 6.
Electric oscillations, Arrangement for amplifying. K. Christ. 2,269,079; Jan. 6.
Electric regulator, Carbon pile. F. Newton. 2,268,718; Jan. 6.
Electric switch. G. B. Benander. 2,269,171; Jan. 6.
Electric wiring system, Enclosed. F. Borchert, B. Kleindienst, H. Eule, and R. Pilz. 2,269,177; Jan. 6.
Electrical cable. M. H. Savage and L. H. Hitchcock. 2,269,230; Jan. 6.
Electrical connections, Making soldered. W. H. Miller. 2,269,219; Jan. 6.
Electrical connector. R. R. Macdonald. 2,269,314; Jan. 6.
Electrical measuring apparatus, Short range. R. M. Rowell. 2,269,227; Jan. 6.
Electrically actuated implement. J. Young. 2,268,687; Jan. 6.
Electrically heated furnace. F. W. Brooke. 2,268,691; Jan. 6.
Electrode, Arc starting. L. K. Marshall. 2,268,604; Jan. 6.
Electron discharge device. V. L. Ronci. 2,268,670; Jan. 6.
Electron tube. E. Zinke. 2,269,073; Jan. 6.
Electrostatic metering apparatus. T. A. Rich. 2,269,225; Jan. 6.
End protector. H. M. Hicks. 2,269,198; Jan. 6.
Engine: *See*—
Educational internal combustion engine. — Internal combustion engine.
Engines, Synchronizing airplane. D. E. Bench and M. A. Crosby. 2,269,332; Jan. 6.
Envelope, Money compartment. E. B. Berkowitz. 2,268,795; Jan. 6.
Equalizer for twin-crank pumping units. J. F. Eaton. 2,268,650; Jan. 6.
Ergot alkaloid preparation, Stabilized. S. H. Culter and R. E. Himelick. 2,269,145; Jan. 6.
Ester, Halogenated benzoic. G. F. D'Alelio. 2,269,187; Jan. 6.
Ethers, Phenol modified. W. Krumbhaar. 2,268,946–7; Jan. 6.
Ethyl lactate, Purifying. F. S. Swackhamer. 2,269,402; Jan. 6.
Evaporator, Shelf. W. E. McCullough. 2,268,885; Jan. 6.
Exhaust gas heater. W. R. Williamson and F. Saco, Jr. 2,268,979; Jan. 6.
Extensible table. C. Kramer. 2,268,879; Jan. 6.
Extinguisher for cigars, cigarettes, and the like. E. Vorwerk. 2,268,975; Jan. 6.
Extractor: *See*—
Juice extractor.
Fabric: *See*—
Knitted fabric. — Woven elastic fabric.
Twill weave fabric.
Fabrics, Making laminated. C. C. Quenelle and C. Turner. 2,269,123; Jan. 6.
Fan. W. S. Roberts. 2,269,287; Jan. 6.
Fan. W. Zellweger. 2,269,049; Jan. 6.
Fan, Portable. D. P. Carlton. 2,268,801; Jan. 6.
Fastener: *See*—
Separable fastener. — Swing lock fastener.
Fastener. J. De Mooy. 2,269,188; Jan. 6.
Fatty compounds, Refining. W. J. D. van Dijck. 2,268,786; Jan. 6.
Feed cleaner for grain grader sample dividers. H. L. Brundage. 2,269,179; Jan. 6.
Feed mechanism for machine tools, Power. R. H. Rideout. 2,269,064; Jan. 6.
Feeding mechanism, Hydraulic. W. F. Groene and H. J. Siekmann. 2,269,368; Jan. 6.
Fiber, Cleaning condensable. G. C. Morgan. 2,269,085; Jan. 6.
Filaments, yarns, and other materials made of cellulose derivatives, Treatment of. H. Dreyfus. 2,268,648; Jan. 6.
Filaments, yarns, foils, and similar materials, made of cellulose or cellulose derivatives, Manufacture of. H. Dreyfus. 2,268,649; Jan. 6.
File holder. F. Bangerter. 2,268,634; Jan. 6.
Film back for cameras, Cut. C. W. Crumrine. 2,269,183; Jan. 6.
Film recording, Sound. E. W. Kellogg. 2,268,752; Jan. 6.
Filters, Operating wax. W. E. Wanner and D. F. Renshaw. 2,268,788; Jan. 6.
Fire extinguisher. H. V. Saffell. 2,268,964; Jan. 6.
Fixture for electric lights. G. A. Luti and F. S., and J. Amato. 2,268,713; Jan. 6.
Flashlight. W. R. Kopp. 2,268,878; Jan. 6.
Flash-producing system. H. Edgerton and K. J. Germeshausen. 2,269,338; Jan. 6.
Flatiron. F. Goldfisher. 2,268,817; Jan. 6.
Floc concentration tank. M. B. Tark. 2,268,726; Jan. 6.
Fluorides from water, Removing. O. M. Urbain and W. R. Stemen. 2,268,971; Jan. 6.
Fluid control valve. J. C. Cotner. 2,268,699; Jan. 6.
Fluid control valve and electromagnetic operator therefor. W. A. Ray. 2,268,960; Jan. 6.
Fluid motor. J. J. Pelouch. 2,268,898; Jan. 6.
Fluid pump. H. R. Downs. 2,269,189; Jan. 6.
Fluorescent material to electron tubes, Application of. J. F. Rutledge. 2,269,129; Jan. 6.
Flux, Welding. G. G. Somerville and G. H. Porter. 2,269,167; Jan. 6.
Foil gauge. C. M. Hathaway. 2,269,152; Jan. 6.
Folding table. G. A. Haibeck. 2,269,370; Jan. 6.
Follow-up device. W. Müller. 2,268,612; Jan. 6.
Food dispenser. C. Hammerschmidt and R. Goldschmid. 2,269,371; Jan. 6.
Food receptacle for children. G. B. Nathanson. 2,268,768; Jan. 6.
Foot mallet. T. W. Dent. 2,269,357; Jan. 6.
Footstool and table, Convertible. L. G. Walter and F. C. Koelle. 2,268,732; Jan. 6.
Footwear. W. K. Small. 2,268,967; Jan. 6.
Fountain pen clip. C. E. Marshall. 2,269,118; Jan. 6.
4,4'-diaminodiphenyl sulphone, Derivatives of. M. S. Kharasch and O. Reinmuth. 2,268,754; Jan. 6.
Frequency control system, Automatic. K. Schussler. 2,269,041; Jan. 6.
Frequency modulation monitoring. R. J. Pieracci. 2,269,126; Jan. 6.
Friction brake. G. Mattersdorf. 2,268,605; Jan. 6.

Fruit branding machine. E. Breshear, Jr. 2,268,797; Jan. 6.
Fruit position inspector. E. W. Carroll. 2,268,696; Jan. 6.
Fuel burner. F. S. Bloom. 2,269,333; Jan. 6.
Fuel, Improving. L. C. Karrick. 2,268,989; Jan. 6.
Fuel tank. R. C. Coleman. 2,268,697; Jan. 6.
Furnace: *See*—
Electrically heated furnace. — Glass furnace.
Furnace. C. H. Weaver. 2,269,387; Jan. 6.
Furnace and evaporative cooling unit, Combination floor. J. S. Andrews. 2,268,540; Jan. 6.
Furnace construction. E. G. Bailey. 2,268,558; Jan. 6.
Furnace damper, Thermostatic controlled. R. I. Burroughs. 2,269,180; Jan. 6.
Furnace, particularly adapted for producing ferric oxide from ferrous sulphate. A. Harrison and F. B. Waldron. 2,268,588; Jan. 6.
Furniture. S. Nusinow. 2,268,842; Jan. 6.
Furniture construction and method. S. Nusinow. 2,268,843; Jan. 6.
Fuse. W. O. Schultz. 2,269,130; Jan. 6.
Fuse mechanism, Time delay reclosing. A. Ramsey. 2,268,899; Jan. 6.
Fuse mechanism, Time delay reclosing. H. A. Triplett. 2,268,911; Jan. 6.
Fuse, Push-out. T. F. Johnson. 2,269,372; Jan. 6.
Fused switch box. E. G. Johansson. 2,268,943; Jan. 6.
Galvanometer, Multiple recording. J. P. Woods. 2,269,414; Jan. 6.
Game. T. A. Davis. 2,269,095; Jan. 6.
Game device, Logrolling. H. G. Jackson. 2,268,827; Jan. 6.
Game, Gun. J. F. Eakins. 2,269,256; Jan. 6.
Garment, Bathing. A. Slotoroff. 2,268,781; Jan. 6.
Garment hanger. C. E. Warren. 2,269,413; Jan. 6.
Garment rack. O. H. Ogren. 2,268,894; Jan. 6.
Gas, Process and apparatus for making. L. W. Bahney. 2,269,392; Jan. 6.
Gasifying burner. C. B. Holm. 2,268,591; Jan. 6.
Gasoline, Mannfacture of. H. V. Atwell and F. H. Bruner. 2,269,302; Jan. 6.
Gathering and loading machine, Material. F. Cartlidge. 2,269,078; Jan. 6.
Gauge: *See*—
Electric gauge. — Mortising gauge.
Foil gauge.
Gauge. A. Eisele. 2,268,579; Jan. 6.
Gauge. H. Hammerl. 2,269,266; Jan. 6.
Gear: *See*—
Change speed gear.
Generator: *See*—
Vapor generator.
Generator and burner therefor, Thermoelectric. P. L. Dulaney. 2,269,337; Jan. 6.
Glass and ceramic material together, Sealing. E. Löpp. 2,268,666; Jan. 6.
Glass articles, Tempering of hollow. J. B. Mitford. 2,269,060; Jan. 6.
Glass furnace. S. A. Forter. 2,268,546; Jan. 6.
Glass run guides, Process of and apparatus for fabricating. G. T. Balfe. 2,268,562; Jan. 6.
Glassware, Manufacturing stemmed. A. J. Cunningham. 2,269,010; Jan. 6.
Glove compartment and blank for forming same. G. E. Kasch. 2,269,113; Jan. 6.
Glue dispenser. H. W. Kagley. 2,268,876; Jan. 6.
Governor control, Hydraulic actuated. C. C. Schmidt. 2,269,382; Jan. 6.
Grease trap. E. W. N. Boosey. 2,268,854; Jan. 6.
Grinding and polishing apparatus. A. E. Hamilton. 2,269,197; Jan. 6.
Grinding machine. E. Buehholz. 2,268,694; Jan. 6.
Ground working and soil pulverizing machine, Combined. J. R. Bryant. 2,268,923; Jan. 6.
Guard for screen doors and the like, Fly. W. G. Horstman. 2,268,941; Jan. 6.
Guard, Wringer. D. C. Provost. 2,269,063; Jan. 6.
Gyroscopic instrument. W. G. Harding and R. H. Nisbet. 2,269,103; Jan. 6.
Hair clasp. W. B. Wardell. 2,268,629; Jan. 6.
Hand, Artificial. W. A. McElroy. 2,268,951; Jan. 6.
Hand covering. H. G. Wright. 2,269,048; Jan. 6.
Handle: *See*—
Push-on type handle.
Hanger: *See*—
Garment hanger.
Harvesting machine. C. J. Scranton. 2,269,042; Jan. 6.
Hatmaking machine. G. S. Adler and H. W. Waldorf. 2,268,555; Jan. 6.
Heat control system and means. G. H. Brown. 2,268,737; Jan. 6.
Heat exchanger with wire heat conductors. R. Von Linde. 2,268,680; Jan. 6.
Heat supply in cellulose driers, Controlling the. S. Wellmar. 2,269,236; Jan. 6.
Heat transfer system. G. Grubb. 2,269,099; Jan. 6.
Heat transfer system. G. Grubb and P. Strandberg. 2,269,101; Jan. 6.
Heater: *See*—
Electric heater. — Regenerative gas heater.
Exhaust gas heater. — Space heater.
Oil burning heater. — Water and room heater.
Heater. C. E. Meyerhoefer. 2,268,762; Jan. 6.
Heating system, Split. T. C. Gower. 2,269,055; Jan. 6.
Hinge, Duplex concealed. O. C. Gessler. 2,269,260; Jan. 6
Hinge, Theater seat. M. T. Vandervoort. 2,268,914; Jan. 6.
Holder: *See*—
Article holder. — Lamp holder.
Catheter holder. — Reel holder.
Cigarette holder. — Tool holder.
File holder. — Wire holder.
Holder for fishing tackle. C. Baumgartner. 2,268,920; Jan. 6.
Holder for markers or razor blades. I. A. Chaikin. 2,269,005; Jan. 6.
Holding and releasing mechanism for railroad hand brakes. H. D. Breen. 2,269,004; Jan. 6.
Hone, Adjustable. J. J. Palotee. 2,269,378; Jan. 6.
Hook: *See*—
Welt hook.
Horn control system. J. White. 2,269,070; Jan. 6.
Horn control system. J. White and J. W. Falconer. 2,269,071; Jan. 6.
Hose reel. R. D. Killebrew. 2,268,877; Jan. 6.
Hosiery. A. O. Hanisch and E. Fleer. 2,269,088; Jan. 6.
Hosiery and making the same. D. J. Harris. 2,268,751; Jan. 6.
Hum reduction carrier system. D. E. Foster. 2,268,813; Jan. 6.
Hydraulic control. C. G. Moller, 3rd. 2,268,764; Jan. 6.
Hydraulic hold-down. L. R. Williamson. 2,269,328; Jan. 6.
Hydrocarbons, Alkylation of. F. H. Bruner. 2,269,250; Jan. 6.
Hydrocarbons, Polymerization of. R. Pyzel and C. G. Gerhold. 2,268,618; Jan. 6.
Hydrocarbons, Treatment of. S. S. Allender. 2,268,557; Jan. 6.
Illuminating unit. H. J. Claspy and E. V. Ogg. 2,269,182; Jan. 6.
Impulse sender. H. Döhle. 2,268,859; Jan. 6.
Indicating apparatus. M. C. Tate. 2,268,783; Jan. 6.
Indicating means for automatic tuners, Station. L. J. Leishman. 2,268,950; Jan. 6.
Indicator: *See*—
Time indicator. — Tire inflation indicator.
Indicator for ships, Travel. F. L. Corbin. 2,269,068; Jan. 6.
Inductance device, Variable. R. M. Daugherty. 2,268,742; Jan. 6.
Injector. I. P. Pedrick. 2,269,318; Jan. 6.
Ink, Method and apparatus for drying printing. F. O. Hess. 2,268,985; Jan. 6.
Ink, Method and apparatus for drying printing. F. O. Hess and C. P. Mann. 2,268,986–7–8; Jan. 6.
Ink, Printing. W. Huber, F. G. Breyer, and L. M. Burgess. 2,268,595; Jan. 6.
Ink, Quick-setting printing. W. Huber. 2,268,593; Jan. 6.
Inner tube tester. L. A. Hendrickson. 2,268,548; Jan. 6.
Insecticide. O. Krefft. 2,269,272; Jan. 6.
Insecticide, fungicide, and the like, and making the same, Low temperature coal tar derivative. C. Davies, Jr. 2,269,336; Jan. 6.
Insert gathering. P. E. Kleineberg. 2,268,600; Jan. 6.
Insulation, Forming coil. E. S. Dawson, Jr. 2,269,185; Jan. 6.
Insulation of electrical apparatus. R. M. Pfalzgraff. 2,269,229; Jan. 6.
Internal combustion engine. F. G. H. Hedlund. 2,269,104; Jan. 6.
Internal combustion motor. A. R. Hoffmann. 2,269,106; Jan. 6.
Internal combustion engine. J. J. McCarthy. 2,269,084; Jan. 6.
Iron: *See*—
Soldering iron.
Iron core, High frequency. H. Stier. 2,268,782; Jan. 6.
Jack: *See*—
Railway car jack.
Joint: *See*—
Strap joint.
Juice extractor. C. E. Kerr. 2,268,753; Jan. 6.
Kilt and the like. G. W. Mullen. 2,269,343; Jan. 6.
Knife, Hay. F. Kunz. 2,269,210; Jan. 6.
Knitted fabric. A. O. Hanisch. 2,269,089; Jan. 6.
Knitting machine. J. Saftlas and M. Grosskopf. 2,269,288; Jan. 6.
Knitting machine, Circular. J. S. Preston. 2,269,398; Jan. 6.
Labeling machine. J. A. McConnell and H. G. Breier. 2,268,760; Jan. 6.
Lacquer, Adhesive. J. Eggert, B. Wendt, and A. Jung. 2,268,651; Jan. 6.
Laminating. J. A. Mitchell. 2,268,611; Jan. 6.
Lamp: *See*—
Bed lamp. — Electric lamp.
Lamp holder. G. A. Johnson and H. E. Seim. 2,268,708; Jan. 6.
Lathes, Cross slide for. A. G. Whitehead. 2,269,390; Jan. 6.
Lead-in seal. A. J. Kling. 2,269,156; Jan. 6.
Lead pigment. F. L. Turbett and G. J. Vahrenkamp. 2,268,913; Jan. 6.
Lehr, Glassware. D. G. Merrill. 2,268,609; Jan. 6.

Lens mount for photographic cameras. O. Steiner. 2,269,401; Jan. 6.
Lenses and similar articles, Marking. L. W. Goddu and I. C. Crawford. 2,268,654; Jan. 6.
Level alarm switch. A. W. Schultz. 2,269,383; Jan. 6.
Lever for vehicle doors, Combined pull-to and latch. C. A. Schall's. 2,268,904; Jan. 6.
Lid support. B. R. Carson. 2,269,251; Jan. 6.
Lifting and/or holding device. D. L. Kellems. 2,268,598; Jan. 6.
Ligature tier. S. Fan Li. 2,268,755; Jan. 6.
Light responsive apparatus for controlling linear voltage. C. G. Turner and J. M. Arthur, Jr. 2,269,324; Jan. 6.
Lighter, Automatic. V. O. Beam and J. Converse. 2,269,356; Jan. 6.
Lighter, Cigar. J. H. Cohen. 2,269,008; Jan. 6.
Lighter for cigars, cigarettes, etc., Electric. C. H. Cuno and S. L. Wolfson. 2,269,394; Jan. 6.
Lighting fixture. H. E. Rutledge. 2,269,165; Jan. 6.
Lighting fixture. P. S. Van Bloem. 2,268,731; Jan. 6.
Lighting system, Ornamental. W. B. Greenlee. 2,268,870; Limestone pulverizer. H. N. Edens and C. B. Molter. 2,268,860; Jan. 6.
Line drier. E. Christiansen. 2,268,739; Jan. 6.
Line recorder, Busy. R. E. Hersey. 2,268,984; Jan. 6.
Load equalizing device. R. L. Tipton. 2,269,385; Jan. 6.
Loader, Tractor operated. R. B. Andrus. 2,268,689; Jan. 6.
Lock: *See*—
Door lock. Window lock.
Spring-latch lock.
Lock. H. G. Voight. 2,268,973; Jan. 6.
Lock—device, Shoelace. A. O. Dahlberg. 2,268,644; Jan. 6.
Locking device for drawers and the like. M. S. Finkiewicz. 2,268,864; Jan. 6.
Lubricant. G. M. McNulty and J. C. Zimmer. 2,268,608; Jan. 6.
Lubrication. P. Douglas. 2,268,575; Jan. 6.
Lubricator: *See*—
Tube lubricator.
Luggage carrier. R. and W. M. Parten. 2,268,958; Jan. 6.
Luggage carrier, Automobile. G. H. Le Boeuf. 2,268,881; Jan. 6.
Luggage manufacture. J. Kiefer. 2,269,271; Jan. 6.
Machine for bending metal gutter hangers. S. R. Slinzko. 2,268,628; Jan. 6.
Machine for cutting articles. D. O. Hannan. 2,268,820; Jan. 6.
Machine for manufacturing egg pulp. H. H. Cribb. 2,269,254; Jan. 6.
Machine for molding glass articles. R. G. Allen. 2,269,391; Jan. 6.
Machine gun apparatus, Electrically operated. F. M. New. 2,269,410; Jan. 6.
Magnet, Permanent. R. F. Edgar. 2,269,149; Jan. 6.
Magnet, Permanent. C. A. Nickle and G. H. Howe. 2,269,345; Jan. 6.
Magnetic contact device. H. A. Bakke. 2,269,242; Jan. 6.
Magnetic valve. W. H. Gille. 2,269,016; Jan. 6.
Marker, Plant. J. R. Schramm. 2,269,087; Jan. 6.
Mat, Bath. R. S. Gaugler. 2,268,747; Jan. 6.
Match and toothpick holder, Combined. L. Fried. 2,269,196; Jan. 6.
Material for destroying vegetation. D. W. Jayne, Jr. 2,269,396; Jan. 6.
Material handling apparatus. R. A. Cook. 2,268,568; Jan. 6.
Material loading apparatus. R. C. Osgood. 2,268,569–70; Jan. 6.
Materials, Uniting. F. M. Salisbury. 2,268,849; Jan. 6.
Matter, Composition of. J. L. Osborne. 2,269,397; Jan. 6.
Measuring instrument, Optician's. P. H. Johnston. 2,269,312; Jan. 6.
Mechanical movement. R. L. Barrish. 2,269,351; Jan. 6.
Mechanism for cutting and looping springs. C. G. Hicks. 2,268,824; Jan. 6.
Mechanism for machine guns, Axially centered recoil. J. W. White. 2,269,297; Jan. 6.
Metal and products thereof, Making composite bearing. T. B. Chace. 2,268,565; Jan. 6.
Metallic elements from water, The removal of. G. H. Nelson, M. Levine, and D. F. J. Lynch. 2,269,315; Jan. 6.
Metallic magnesium from mixtures of elemental magnesium and carbon monoxide, produced by the carboniferous reduction, at high temperatures, of magnesium oxide, Recovery of. W. C. Seifert. 2,268,779; Jan. 6.
Meter: *See*—
Batch meter. Parking meter.
Meter recording attachment, Maximum demand. D. B. Green and R. R. Sprole. 2,268,705; Jan. 6.
Method and apparatus for handling skelp. C. W. Wolfe. 2,269,093; Jan. 6.
Method and apparatus for making lead oxide powder. J. L. Woodbridge. 2,269,094; Jan. 6.
Method and apparatus for manufacturing pottery ware. W. J. Miller. 2,268,717; Jan. 6.
Method and apparatus for winding coils. C. P. Boucher. 2,269,405; Jan. 6.
Method of and apparatus for cutting blanks from sheet material. R. W. Cummings. 2,268,856; Jan. 6.
Method of and apparatus for separating composite material into its components. J. H. Dickerson. 2,269,307; Jan. 6.
Mill: *See*—
Tube mill.
Milk can cover. H. F. Millmann. 2,268,763; Jan. 6.
Miter box. W. A. Larson. 2,268,835; Jan. 6.
Mixing device. G. C. Fields. 2,269,259; Jan. 6.
Mixing machine implement or tool. M. R. Anstice. 2,269,301; Jan. 6.
Modulation circuit organization. L. Brück. 2,269,140; Jan. 6.
Modulator arrangement. W. Lutzenberger. 2,268,837; Jan. 6.
Mold for producing composite metal stock. T. B. Chace. 2,268,566; Jan. 6.
Molding core. C. B. Shanley. 2,268,676; Jan. 6.
Molding machine, Extrusion. M. F. Welda. 2,269,388; Jan. 6.
Molding press. M. F. Welda. 2,269,389; Jan. 6.
Mortising gauge. W. S. Edwards. 2,268,930; Jan. 6.
Motor: *See*—
Electric motor. Internal combustion motor.
Fluid motor.
Motor. G. W. Blessing. 2,269,245; Jan. 6.
Motor control circuit. A. B. Newton. 2,269,411; Jan. 6.
Motors, Producing power with internal combustion. A. R. Hoffmann. 2,269,107; Jan. 6.
Mounting: *See*—
Ophthalmic mounting.
Musical annunciator. L. W. Garnett. 2,269,098; Jan. 6.
N-aryl morpholone compound. J. G. McNally and J. B. Dickey. 2,269,218; Jan. 6.
Necktie form. M. Gladstone. 2,269,017; Jan. 6.
Nipple. C. R. Porthouse and W. B. McIntosh. 2,269,223; Jan. 6.
Nitrates from nitric acid and chlorides, Production of. H. A. Beekhuis, Jr. 2,269,000; Jan. 6.
Nitrosyl chloride-chlorine mixtures, Treatment of. H. A. Beekhuis, Jr. 2,268,999; Jan. 6.
Nonblinding vibrating screen. H. Schiffiin and J. E. Dunn. 2,269,289; Jan. 6.
Nutcracker. C. B. J. Colvin. 2,269,052; Jan. 6.
Oil, Apparatus and process for purifying airplane engine. A. E. Flowers. 2,268,653; Jan. 6.
Oil burning heater. W. D. Dooley. 2,268,857; Jan. 6.
Oil composition, Mineral. R. C. Moran, D. E. Badertscher, and H. G. Berger. 2,269,282; Jan. 6.
Oils containing antitoxidants, Preparation of. J. G. Baxter and J. L. Jakobsen. 2,269,243; Jan. 6.
Oils containing free fatty acids, Refining. B. Clayton, W. B. Kerrick, and H. M. Stadt. 2,268,567; Jan. 6.
Ophthalmic mounting. A. J. Oker. 2,269,037; Jan. 6.
Ornamenting machine. B. W. Freeman. 2,268,582–3–4–5; Jan. 6.
Oscillator, Cathode-driven. M. G. Crosby. 2,269,417; Jan. 6.
Outlet box support. H. Kuykendall. 2,269,211; Jan. 6.
Overalls. A. S. Plimpton. 2,269,380; Jan. 6.
Oxides, Preparing finely comminuted. D. McLachlan, Jr. 2,269,059; Jan. 6.
Package of interfolded paper sheets and dispensing wrapper therefor. R. Ross. 2,269,039; Jan. 6.
Package, Tearing strip. J. R. Tindal. 2,268,970; Jan. 6.
Packing material. W. J. De Reamer. 2,268,702; Jan. 6.
Pad: *See*—
Corn and callous pad. Surgical pad.
Pressing machine pad.
Parking meter. C. S. Hazard. 2,269,021; Jan. 6.
Parking meter, Electric. N. A. Whittaker. 2,269,327; Jan. 6.
Paneling, Wall. G. H. Lenke. 2,268,710; Jan. 6.
Paper, Softening. M. H. Roth. 2,268,674; Jan. 6.
Parking meter. F. L. Michaels. 2,268,716; Jan. 6.
Partition, Adjustable. C. Bernstein. 2,268,637; Jan. 6.
Pellets, Manufacture of fused chemical. F. C. Mericola. 2,268,888; Jan. 6.
Pen. F. A. Schreiner. 2,269,232; Jan. 6.
Pencil tip and sharpener. F. J. Bambach. 2,269,304; Jan. 6.
Petroleum emulsions, Desalting and emulsifying compound for. P. T. Tarnoski and E. H. Uhlmann. 2,269,134; Jan. 6.
Petroleum product, Stabilized refined. L. A. Hamilton, E. W. Fuller, and H. G. Berger. 2,269,265; Jan. 6.
Pharmaceutical product, Tropical hard-shell nut fiber. J. C. Forkner. 2,269,015; Jan. 6.
Phenol-formaldehyde photographic sub. G. F. Nadeau. 2,269,220; Jan. 6.
Phonograph. C. W. Dann. 2,268,645; Jan. 6.
Phonograph recorder. C. G. Johnson. 2,269,270; Jan. 6.
Phonographic apparatus. E. C. Guedon. 2,269,263; Jan. 6.
Photographic emulsion, Production of matt. J. Knoefel. 2,268,662; Jan. 6.
Photographic shutter, High-speed between-the-lens. O. Steiner. 2,269,400; Jan. 6.
Photography, Color. M. Martinez. 2,269,158; Jan. 6.

Photography, Color. R. S. Morse. 2,269,161; Jan. 6.
Photography, Color. G. Wilmanns and W. Schneider. 2,268,630; Jan. 6.
Pictures in the third dimension, Taking. A. T. Luer, D. M. Perry, and W. and W. E. Howell. 2,268,712; Jan. 6.
Piezoelectric unit. A. L. W. Williams. 2,269,403; Jan. 6.
Piston, Lubricated. C. J. Coberly. 2,268,544; Jan. 6.
Plastic liquefier. B. W. Weekes. 2,268,686; Jan. 6.
Plotting great circle courses and apparatus. W. C. Anderson. 2,268,632; Jan. 6.
Plug: *See*—
Spark plug.
Plumber's snake housing shell. H. R. Crane. 2,269,406; Jan. 6.
Pneumatic tube carrier. M. P. Anderson. 2,268,852; Jan. 6.
Polyamides, Preparation of. L. Gilman. 2,268,586; Jan. 6.
Pot, Coated refractory melting. R. E. Booth and J. Scorzoni. 2,269,176; Jan. 6.
Potato digging machine. A. Widuck. 2,269,298; Jan. 6.
Poultry plucking machine. F. Fisher. 2,268,581; Jan. 6.
Power control. S. M. Udale. 2,269,294; Jan. 6.
Power transmission device. C. G. Johannesmeyer. 2,269,024; Jan. 6.
Power transmission mechanism, Variable speed. F. A. Hayes. 2,269,020; Jan. 6.
Power unit. A. G. M. Michell. 2,269,281; Jan. 6.
Press: *See*—
Molding press. Shoe press.
Pressing machine pad. R. Kowser. 2,268,833; Jan. 6.
Pressure producing device, Rotary centrifugal. F. L. Corbin. 2,269,009; Jan. 6.
Printed matter for blind reading and producing the same. W. A. Mortensen, Jr. 2,268,890; Jan. 6.
Printing device. C. H. Van Dusen, Jr. 2,268,679; Jan. 6.
Printing, Letterpress. W. Huber. 2,268,594; Jan. 6.
Process and apparatus for preheating. C. Ellis, Jr., and C. S. Dewey, Jr. 2,268,861; Jan. 6.
Program distribution system. D. E. Foster and A. F. Van Dyck. 2,268,812; Jan. 6.
Projector. F. L. Van Weenen. 2,268,972; Jan. 6.
Propeller, Controllable pitch. G. T. Lampton, P. F. Hackethal, and A. T. Briggs. 2,268,948; Jan. 6
Protector: *See*—
Ax handle protector. End protector.
Pump: *See*—
Aircraft fuel pump. Transfer pump.
Fluid pump.
Pump. B. G. Carlson. 2,268,695; Jan. 6.
Pumps, Assembling fluid operated. C. J. Coberly. 2,268,543; Jan. 6.
Pumping equipment. W. J. Crites. 2,268,701; Jan. 6.
Push-on type handle. D. G. Kimball. 2,269,208; Jan. 6.
Quill with small caliber tubing inserted therein. I. B. Hill. 2,268,658; Jan. 6.
Rack: *See*—
Clothes rack. Garment rack.
Display rack. Soap rack.
Radio device, Ultrahigh frequency. R. A. Braden. 2,268,639; Jan. 6.
Radio receiver. E. F. Andrews. 2,268,792; Jan. 6.
Radio receiver. E. F. Andrews. 2,269,300; Jan. 6.
Radio receiving apparatus. J. R. Reid. 2,268,619; Jan. 6.
Radio receiving apparatus, Method and arrangement for limiting interferences in. G. Dallos. 2,269,011; Jan. 6.
Radio reception, Reducing disturbances in. Z. Bay. 2,268,998; Jan. 6.
Railway car jack. B. R. Picard. 2,268,722; Jan. 6.
Railway truck. D. S. Barrows. 2,268,997; Jan. 6.
Range, Cooking. B. W. Tullis. 2,269,349; Jan. 6.
Rattle. A. Zadek and I. E. Cohn. 2,268,683; Jan. 6.
Rattle. A. Zadek. 2,268,684; Jan. 6.
Razor, Electric. J. T. Kirkland. 2,269,058; Jan. 6.
Razor, Motor driven. G. R. Ericson and J. H. Klasey. 2,269,358; Jan. 6.
Record keeping apparatus. W. D. Winders. 2,269,067; Jan. 6.
Record, Phonograph. J. H. Hunter. 2,269,267; Jan. 6.
Recording instrument. H. A. Anderson. 2,269,240; Jan. 6.
Recorder and indicator, Dew point. C. W. Thornthwaite. 2,268,785; Jan. 6.
Recording device. J. O. Davis. 2,268,808; Jan. 6.
Reed for musical instruments. A. Brilhart. 2,268,641; Jan. 6.
Reel: *See*—
Clothesline reel. Hose reel.
Reel holder. F. M. Haines. 2,268,547; Jan. 6.
Refrigerants, Storing. W. T. Birdsall. 2,269,173; Jan. 6.
Refrigeration. P. Köhler. 2,269,100; Jan. 6.
Refrigeration. E. S. Lynger. 2,269,102; Jan. 6.
Refrigeration apparatus for trucks and trailers. C. Mendez. 2,268,667; Jan. 6.
Refrigeration control apparatus. E. J. Dillman and G. R. True. 2,269,395; Jan. 6.
Refrigerator, Ice cream. R. G. McMahon. 2,268,551; Jan. 6.
Refuse container. J. M. Edwards. 2,269,257; Jan. 6.
Regenerative gas heater. W. Linder. 2,268,603; Jan. 6.
Regulator: *See*—
Electric regulator. Speed regulator.
Reinforced shipping box. J. E. Borah. 2,269,247; Jan. 6.
Relay. A. I. Kasper. 2,269,206; Jan. 6.
Relay. E. D. Lilja. 2,268,882; Jan. 6.
Release mechanism for fluid brake systems. E. Mazur. 2,268,606; Jan. 6.
Remote control for serial cameras. I. Kitroser. 2,269,373; Jan. 6.
Resin, Mixed polyvinyl acetal. J. G. McNally and R. H. Van Dyke. 2,269,217; Jan. 6.
Resin, Polyvinyl acetal. J. G. McNally and R. H. Van Dyke. 2,269,216; Jan. 6.
Resin, Polyvinyl acetal. M. Salo. 2,269,166; Jan. 6.
Resinous composition. G. F. D'Alelio. 2,269,186; Jan. 6.
Resistance device and making same. B. F. Tellkamp. 2,269,136; Jan. 6.
Resistance of fabrics to snagging, Testing the. H. E. Shearer and E. M. Schenke. 2,268,677; Jan. 6.
Retractable tool holder. W. C. Rosborough. 2,269,320; Jan. 6.
Rifle range, Target. W. P. Falkenburg. 2,269,258; Jan. 6.
Ring traveler. E. G. Peterson. 2,268,773; Jan. 6.
Ring travelers, Making. E. G. Peterson. 2,268,772; Jan. 6.
Rock drill. J. C. Curtis. 2,268,572; Jan. 6.
Rock drill. C. F. Osgood. 2,268,573; Jan. 6.
Rock or mineral wool manufacture. C. L. Savidge. 2,269,231; Jan. 6.
Rotor operating mechanism. T. B. Rhines. 2,268,552; Jan. 6.
Rubber by a combination of external and internal gases, Gassing. D. Roberts and L. Cooper. 2,268,621; Jan. 6.
Rubber, Composition of unvulcanized crepe. M. Omansky. 2,269,377; Jan. 6.
Rubber goods, Inflatable. J. H. Johnson. 2,269,342; Jan. 6.
Rubber sheets, Manufacturing patterned. H. C. Tingey. 2,268,678; Jan. 6.
Safety control for presses, Pneumatic. S. T. Williams. 2,268,733; Jan. 6.
Sandwich container. C. Powers. 2,268,845; Jan. 6.
Saw. F. R. Morin. 2,268,841; Jan. 6.
Saw, Tractor wood. H. Thies. 2,269,348; Jan. 6.
Scale, Weighing. C. L. Conners. 2,269,698; Jan. 6.
Screen stretching and take-up device. G. W. Behnke. 2,268,853; Jan. 6.
Screw-threaded members, Construction of externally. G. Drewett. 2,268,577; Jan. 6.
Seed material for the improvement of bituminous substances of low qualities, Preparing. R. Lichtenstern. 2,268,602; Jan. 6.
Separable fastener. G. H. C. Corner. 2,268,571; Jan. 6.
Separating particles of solid material by flotation. R. S. Ellis. 2,268,652; Jan. 6.
Separating table. H. M. and W. W. Carter. 2,269,077; Jan. 6.
Separator: *See*—
Air separator. Yarn separator.
Sewage and waste materials and sludges therefrom, Composition and process for the treatment of. P. F., A. F., and F. A. Dilles. 2,268,647; Jan. 6.
Sewing mechanism for stitching wire eye fasteners. A. M. Butow. 2,268,799; Jan. 6.
Shade, Lamp. D. J. Ross. 2,269,128; Jan. 6.
Shale and other slate shaped materials, Dry distillation of. E. A. Johansson. 2,269,025; Jan. 6.
Shaver, Dry. G. R. Ericson and R. T. Bassett. 2,269,359; Jan. 6.
Shearing mechanism. F. Toop. 2,268,728; Jan. 6.
Shears, Pinking. V. J. Sigoda. 2,268,626; Jan. 6.
Shedding mechanism. X. Migliora. 2,269,121; Jan. 6.
Sheet metal perforating apparatus. G. F. Wales. 2,268,787; Jan. 6.
Sheets, Connecting metal. E. Becker. 2,268,636; Jan. 6.
Shellac-cashew nut shell liquid material reaction product. W. F. Schaufelberger. 2,269,347; Jan. 6.
Shield, Dress. G. L. Fowler. 2,269,365; Jan. 6.
Shoe and insole therefor, Welt. C. W. Baker. 2,268,561; Jan. 6.
Shoe binding and the like. E. B. Luitwieler. 2,269,214; Jan. 6.
Shoe cleat, Athletic. J. C. Nofziger. 2,268,992; Jan. 6.
Shoe machine. J. C. Jorgensen. 2,268,597; Jan. 6.
Shoe press. C. L. Huntoon. 2,268,874; Jan. 6.
Shoe tree. E. H. Clark. 2,269,006; Jan. 6.
Shovel attachment. F. J. Mason. 2,269,119; Jan. 6.
Signal: *See*—
Traffic signal.
Signal device. H. P. Crider. 2,268,545; Jan. 6.
Signal translating apparatus. H. F. Olson. 2,269,284; Jan. 6.
Signaling system. W. Buschbeck. 2,268,735; Jan. 6.
Silica articles, Producing vitreous. J. A. Heany. 2,268,589; Jan. 6.
Skate attachment, Roller. J. G. Daniska. 2,269,362; Jan. 6.
Skate, Roller. J. S. Coldwell and R. H. Goetsch. 2,269,080; Jan. 6.
Sleeve, Clamping. W. O. N. Söderqvist. 2,269,132; Jan. 6.

Slice for papermaking machines. M. J. A. McGuire and R. B. Connon. 2,268,840; Jan. 6.
Snowplow. G. Wandscheer. 2,269,326; Jan. 6.
Soap rack. A. Backstron. 2,269,303; Jan. 6.
Soldering iron. L. W. Young. 2,268,995; Jan. 6.
Soles, Making. E. Kelly. 2,268,709; Jan. 6.
Sound recording system. C. N. Batsel. 2,269,074; Jan. 6.
Space heater. G. M. Schueder and E. F. Farrell. 2,268,778; Jan. 6.
Spacer mechanism for typewriters, Micrometric line. F. L. Graham. 2,268,933; Jan. 6.
Spark plug. F. J. Boll. 2,269,076; Jan. 6.
Spark plug. C. B. Sawyer. 2,268,903; Jan. 6.
Spectacles. J. S. Shockey. 2,268,908; Jan. 6.
Speed-change mechanism. G. H. Schurger. 2,269,290; Jan. 6.
Speed regulator. G. E. Howard. 2,269,204; Jan. 6.
Splicing tool. D. C. Hubbard. 2,268,659; Jan. 6.
Spout, Roughage mill distributing. J. Holland-Letz. 2,269,155; Jan. 6.
Spraying device. A. F. Jenkins. 2,269,057; Jan. 6.
Spring-latch lock. M. Falk. 2,268,743; Jan. 6.
Spring liner, Vehicle. T. H. Thompson. 2,268,784; Jan. 6.
Sprinkling apparatus, Lawn. J. A. Brooks. 2,268,855; Jan. 6.
Stabilizer and anchor, Decoy. F. P. Riddell. 2,268,963; Jan. 6.
Stall system for cow milking, Individual. J. J. De Carli. 2,269,012; Jan. 6.
Stamp, Time. B. Cooper. 2,268,924; Jan. 6.
Stand: *See*—
Collapsible drape stand.
Stay for use in forming freight carloads. J. E. Ott. 2,269,286; Jan. 6.
Steam jet ejector. A. Haltmeier. 2,268,656; Jan. 6.
Steel, Testing the machinability of free-cutting. A. Cruickshank. 2,269,360; Jan. 6.
Steering mechanism, Hydraulic. L. W. Stinne. 2,268,968; Jan. 6.
Stitching machine, Piece-end. H. Corrall and J. Heggie. 2,269,253; Jan. 6.
Stocking with means for improving the elasticity, and producing the same. J. A. Goodman. 2,268,818; Jan. 6.
Stoker. C. L. Myers. 2,269,283; Jan. 6.
Strap joint. J. E. Ott. 2,269,285; Jan. 6.
Strip or tape, Applying reinforcing. V. J. Sigoda. 2,268,625; Jan. 6.
Stroke adjuster. K. Kelley. 2,268,945; Jan. 6.
Structure, Collapsible. H. A. Farrand. 2,269,363–4; Jan. 6.
Stud for outlet boxes, Fixture. E. H. Rugg. 2,269,228; Jan. 6.
Sucrose from impure sucrose solutions, Recovery of. J. D. Ryan. 2,268,902; Jan. 6.
Sugar dispenser, Sanitary cube. C. Andrews. 2,268,688; Jan. 6.
Sugar, Treatment of liquid. L. T. Hopkinson. 2,269,203; Jan. 6.
Sulphapyridine derivative and making it, Water soluble. H. A. Shonle. 2,268,780; Jan. 6.
Supercharger, Gas turbine driven. E. B. Clarke. 2,269,181; Jan. 6.
Support: *See*—
Bicycle lamp support.
Lid support.
Outlet box support.
Tube support.
Supports, Coating. H. E. Van Derhoef and A. E. Brooks. 2,269,169; Jan. 6.
Surgical pad. W. M. Scholl. 2,268,777; Jan. 6.
Surgical splint. F. W. Roberts. 2,269,065; Jan. 6.
Surveying instrument. H. L. Martin. 2,268,758; Jan. 6.
Swing lock fastener. A. Haim. 2,269,264; Jan. 6.
Switch: *See*—
Control switch.
Conveyer switch.
Electric switch.
Level alarm switch.
Switch and rheostat. J. H. Little, A. A. Bluemle, and W. E. Brown. 2,268,550; Jan. 6.
Switching mechanism for automobile signals. H. E. Woodring. 2,269,047; Jan. 6.
Switching system, Broadcast. P. B. Murphy. 2,269,034; Jan. 6.
System for supplying and metering liquid fuel to motors. B. G. M. Muselier. 2,268,957; Jan. 6.
Table: *See*—
Extensible table.
Folding table.
Separating table.
Table. T. J. Arbron. 2,269,331; Jan. 6.
Tank: *See*—
Floc concentration tank.
Fuel tank.
Tank bleeder valve. W. J. MacArthur. 2,269,031; Jan. 6.
Tape-controlling means. B. Kahn. 2,268,828; Jan. 6.
Telegraph system and apparatus, Printing. R. E. Zenner. 2,268,631; Jan. 6.
Telephone conversations to other electrical devices, Method and arrangement for transferring. B. Loewe. 2,268,665; Jan. 6.
Telephone ringer. J. D. Hubbell and C. F. Wiebusch. 2,269,108; Jan. 6.
Telephone substitution apparatus. H. I. Beardsley. 2,268,794; Jan. 6.
Telephone system. J. Baumfalk and O. C. Hall. 2,268,635; Jan. 6.
Telephone system. K. J. Curley. 2,269,335; Jan. 6.
Telephone system. G. Hecht and A. A. Lundstrom. 2,269,022; Jan. 6.
Telephone system. W. Kusche. 2,268,880; Jan. 6.
Telephone system. R. B. McCown, H. H. Schneckloth, and R. W. Smith. 2,269,375; Jan. 6.
Telephony, Compressed band. C. W. Vadersen. 2,269,295; Jan. 6.
Teletypewriter switchboard service observing circuit. H. F. Page and R. L. Richard. 2,269,346; Jan. 6.
Teletypewriter switching system. O. McD. Patton. 2,269,379; Jan. 6.
Television receiver. D. J. Fewings and R. J. Kemp. 2,268,811; Jan. 6.
Television receiver. D. L. Plaistowe. 2,268,671; Jan. 6.
Temperature compensator for pressure actuated indicators. C. A. Rafferty. 2,268,847; Jan. 6.
Temperature control system, Zone. W. L. McGrath 2,268,761; Jan. 6.
Temperature-indicating instrumentality. L. M. Perry. 2,269,038; Jan. 6.
Temperatures, Regulation of superheat and feed water. P. F. Pourchot. 2,268,776; Jan. 6.
Tensioning tool. C. L. Hinsdale. 2,269,090; Jan. 6.
Textile, Fire retardant. R. Adams and C. W. J. Wende. 2,268,556; Jan. 6.
Textile material to remove gum, etc., therefrom, Treating. M. G. Hinnekens. 2,268,590; Jan. 6.
Threading mechanism. G. W. Jones. 2,268,944; Jan. 6.
3-amino-methyl-polyhydroxy-phthalides, Secondary and tertiary. S. Loewe. 2,268,990; Jan. 6.
Ticket collecting apparatus. M. London. 2,269,117; Jan. 6.
Tiles, Making. J. N. Martin. 2,268,759; Jan. 6.
Time delay mechanism. H. A. Triplett. 2,268,912; Jan. 6.
Time indicator, Traffic control. B. B. Watts and E. Fackler, Jr. 2,269,386; Jan. 6.
Timer, Voltage controlled thermal. J. R. Gomersall. 2,268,655; Jan. 6.
Timing device. H. L. Newell. 2,269,162; Jan. 6.
Timing reminder. M. H. Rhodes. 2,268,553; Jan. 6.
Tire. B. B. Berry. 2,269,244; Jan. 6.
Tire inflation indicator. R. H. Langsam, I. A. Weintraub, and L. F. Simon. 2,269,083; Jan. 6.
Tire tube, Pneumatic. M. N. Bonsiakos. 2,269,003; Jan. 6.
Titanium pigments, Producing improved. J. E. Booge. 2,269,139; Jan. 6.
Toaster, Automatic. M. Ireland. 2,268,660; Jan. 6.
Toaster, Electric. F. W. Scharf. 2,268,675; Jan. 6.
Toggle mechanism for presses. A. O. Gates and O. H. and G. F. Pearson. 2,269,308; Jan. 6.
Toilet appliance. W. T. Dollar. 2,269,354; Jan. 6.
Toilet article. A. F. Horning, Jr. 2,268,825; Jan. 6.
Tool: *See*—
Abrading tool.
Abrasive tool.
Splicing tool.
Tensioning tool.
Tool sharpening and gauging machine. J. F. McCarthy, Jr. 2,268,714; Jan. 6.
Toothbrush, Fountain. H. P. Duey. 2,268,928; Jan. 6.
Torpedo. A. Lysholm. 2,269,030; Jan. 6.
Tractor hitch. S. B. Hendricks. 2,269,023; Jan. 6.
Traffic controlling apparatus, Railway. L. R. Allison. 2,269,238–9; Jan. 6.
Traffic controlling apparatus, Railway. J. M. Pelikan. 2,269,222; Jan. 6.
Traffic controlling apparatus, Railway. C. E. Staples. 2,269,292; Jan. 6.
Traffic signal. W. J. Norton. 2,268,719; Jan. 6.
Trailer, Lumber. C. C. Pearson. 2,269,062; Jan. 6.
Transfer pump. L. J. Garday. 2,269,097; Jan. 6.
Translucent element and locking means therefor. T. Veitch. 2,269,325; Jan. 6.
Transmission device, Message. E. H. Hebern. 2,269,341; Jan. 6.
Trap: *See*—
Animal trap.
Grease trap.
Tray, Ash. E. Harper. 2,268,821; Jan. 6.
Tray, Freezing. W. Dalton. 2,269,184; Jan. 6.
Tray, Luggage. W. C. Chesnut. 2,269,252; Jan. 6.
Treatment of flowing material, Procedure and apparatus for controlling. D. Crampton. 2,269,393; Jan. 6.
Trolley frog. F. H. Richterkessing. 2,268,962; Jan. 6.
Trouser guard machine. L. A. Moore. 2,268,767; Jan. 6.
Truck. B. Askeris. 2,268,793; Jan. 6.
Truck. J. E. Flesch. 2,268,744; Jan. 6.
Truck, Railway. W. H. Meyer. 2,268,889; Jan. 6.
Truss. F. L. Union. 2,269,044; Jan. 6.
Truss structure, Surgical. J. A. Chesterman. 2,269,353; Jan. 6.
Tub, Laundry. J. M. Schultes. 2,268,851; Jan. 6.
Tube: *See*—
Cathode-ray tube.
Collapsible tube.
Electron tube.
Tire tube.
Tube lubricator. J. W. Kelso. 2,269,207; Jan. 6.
Tube mill. J. E. Kennedy. 2,268,661; Jan. 6.
Tube reinforcing machine. G. O. Gabriel. 2,268,982; Jan. 6.

Tube support, Cooled. W. Vagt. 2,268,730; Jan. 6.
Tuning arrangement, Automatic. J. Kuperus. 2,268,834; Jan. 6.
Tunnels or subterranean passages, Lining. N. F. Anderson. 2,269,418; Jan. 6.
Turbine buckets, Manufacturing elastic fluid. R. Hillner. 2,269,200; Jan. 6.
Turbine, Elastic fluid. D. J. Bloomberg. 2,269,175; Jan. 6.
Turbine, Multistage elastic fluid. G. B. Warren. 2,269,235; Jan. 6.
2-aminopyrimidine, Purifying. E. Kuh. 2,269,274; Jan. 6.
Twill weave fabric. S. H. Scheuer. 2,269,321; Jan. 6.
Typewriting machine. W. A. Gabrielson and E. G. Moshier. 2,268,867; Jan. 6.
Undergarment. W. P. McCarthy. 2,269,120; Jan. 6.
Upholstery material, Method and means for securing. B. F. Monroe. 2,268,765; Jan. 6.
Valve: *See*—
Eddy reducing valve.
Fluid control valve.
Magnetic valve.
Tank bleeder valve.
Waste and overflow valve.
Valve. F. B. Riley. 2,269,127; Jan. 6.
Valve. R. A. Steel. 2,268,725; Jan. 6.
Valve amplifier, Thermionic. A. D. Blumlein. 2,269,001; Jan. 6.
Valve control for triple valves, Vent. K. D. Horton. 2,268,826; Jan. 6.
Valve for aircraft fuel pumps, By-pass. R. R. Curtis. 2,268,806; Jan. 6.
Valve plugs, Lapping. G. F. Scherer. 2,268,723; Jan. 6.
Valve stem for pneumatic tires, Rubber. H. Z. Gora. 2,269,367; Jan. 6.
Vapor generator. E. G. Bailey. 2,268,560; Jan. 6.
Vapor lock eliminator. W. J. Linn. 2,268,884; Jan. 6.
Variable frequency oscillation generator. W. R. Hewlett. 2,268,872; Jan. 6.
Variometer. G. Schneider. 2,268,850; Jan. 6.
Vehicle. H. A. Knox. 2,268,601; Jan. 6.
Vehicle accessory, Motor. T. Linga. 2,268,836; Jan. 6.
Vending machine, Coin-controlled. D. C. Rinehart. 2,269,164; Jan. 6.
Venetian blind tilter. H. K. Lorentzen. 2,269,213; Jan. 6.
Vent lift. P. R. Hollaender. 2,269,202; Jan. 6.
Ventilating system, Rocking electric furnace. J. R. Allan and F. H. Amos. 2,268,918; Jan. 6.
Vessel, Electric discharge. F. Herriger. 2,269,082; Jan. 6.
Vessel for containing high pressure fluids. G. Raymond, M. D. Creech, and R. L. Feagles. 2,268,961; Jan. 6.
Vessel for the radioactive treatment of creams and the like products, Storage. S. Klinghoffer. 2,269,026; Jan. 6.
Vise, Work-holding. J. W. Robertson. 2,269,381; Jan. 6.
Vitamin-containing composition and cosmetic including the same, Water-dispersible. L. O. Buxton and L. T. Rosenberg. 2,268,736; Jan. 6.
Voltage stabilizing device for electric supply systems. E. L. C. White and H. L. Mansford. 2,268,790; Jan. 6.
Warning device. E. P. Hall. 2,269,019; Jan. 6.
Washer: *See*—
Bottle washer.
Washing machine. G. W. Dunham. 2,269,190; Jan. 6.
Washing machine. B. W. Ossowsky. 2,268,721; Jan. 6.
Waste and overflow valve. W. C. Groeniger. 2,268,819; Jan. 6.
Water and room heater, Combination. O. G. Watt. 2,268,789; Jan. 6.
Water conditioning apparatus. C. T. McGill. 2,268,607; Jan. 6.
Web tension apparatus. H. N. Durham. 2,268,980; Jan. 6.
Welding. T. W. Reilly. 2,269,224; Jan. 6.
Welding equipment. R. A. Funk. 2,268,815; Jan. 6.
Welding machine. S. Humphrey. 2,269,091; Jan. 6.
Well logging. F. W. Jessen. 2,269,269; Jan. 6.
Well logging. D. Silverman. 2,268,627; Jan. 6.
Well surveying instrument. E. R. Webb. 2,268,682; Jan. 6.
Welt hook. A. Hofmann. 2,268,750; Jan. 6.
Wheel disk and assembly. G. A. Lyon. 2,268,839; Jan. 6.
Wheels, Forming abrasive surfaces upon high-speed grinding. F. F. Gilmore and F. W. Kotler. 2,268,983; Jan. 6.
Wheels, Making. G. A. Lyon. 2,268,838; Jan. 6.
Winding. E. J. Abbott. 2,268,554; Jan. 6.
Winding apparatus. L. A. Wiggins. 2,269,299; Jan. 6.
Window lock. R. Monroe. 2,268,766; Jan. 6.
Wire coating device. E. J. Flynn. 2,269,150; Jan. 6.
Wire holder. S. W. McChesney, Jr. 2,269,409; Jan. 6.
Wire, Making copper clad. R. C. Pierce. 2,268,617; Jan. 6.
Woodcutting machine. J. J. Bacon. 2,269,352; Jan. 6.
Woven elastic fabric. L. De Roon. 2,268,809; Jan. 6.
Wringer. W. L. Kauffman, II. 2,268,829; Jan. 6.
Yarn separator. J. I. Taylor and K. T. Schaefer. 2,268,727; Jan. 6.
Zinc oxide, Manufacturing of. C. R. Beringer. 2,269,355; Jan. 6.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 6, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aronoff, Richling & Fein, New York, N. Y. Ladies' and children's dresses. Serial No. 449,199; Feb. 3. Class 39.

Asher & Boretz, Inc., New York, N. Y. Imitation leather. Serial No. 447,652; Feb. 3. Class 50.

Automotive Economy Corporation, Wilmington, Del., and New York, N. Y. Energizing preparations or chemicals to be added to fuels. Serial No. 447,860; Feb. 3. Class 6.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. Serial No. 447,861; Feb. 3. Class 17.

Beatrice Creamery Company, Chicago, Ill. Orangeade. Serial No. 448,848; Feb. 3. Class 45.

Bear Drug Company, Shawnee, Okla. Prescriptions and pharmaceuticals—namely, glycerine, castor oil, witch hazel, etc. Serial No. 424,862; Feb. 3. Class 6.

Blaustein, Wally, New York, N. Y. Perfume, toilet water, hair lotion, brilliantine, hand lotion, face lotion, face powder, etc. Serial No. 448,491; Feb. 3. Class 6.

Bourjois, Inc., New York, N. Y. Jewelry clips, earrings, and jeweled hair ornaments. Serial No. 448,998; Feb. 3. Class 28.

Bourjois, Inc., New York, N. Y. Handkerchiefs and evening headdresses. Serial No. 448,999; Feb. 3. Class 39.

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Check controlled, flow predetermining stop mechanism. Serial No. 439,745; Feb. 3. Class 26

Brookside Distilling Products Corp., Scranton, Pa. Whiskey and gin. Serial No. 448,598; Feb. 3. Class 49.

Brown, Joseph L., Columbia, S. C. Sandwiches. Serial No. 448,468; Feb. 3. Class 46.

Brown, M. Stanley, New York, N. Y. Cotton textile prints in the piece. Serial No. 449,035; Feb. 3. Class 42.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. Serial Nos. 439,144–5; Feb. 3. Class 21.

Campe Corporation, The, New York, N. Y. Men's union suits, pants, athletic shirts, women's union suits, vests, panties, etc. Serial No. 446,731; Feb. 3. Class 39.

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Orange soda beverage. Serial No. 449,224; Feb. 3. Class 45.

Carmo Shoe Manufacturing Company, Carthage, Mo. Ladies' and misses' shoes. Serial No. 437,083; Feb. 3. Class 39.

Casco Products Corporation, doing business as Fortune Appliance Company, Bridgeport, Conn. Electrically heated pads for therapeutic use. Serial No. 445,284; Feb. 3. Class 44.

Celanese Corporation of America. (See Celluloid Corporation, assignor.)

Celluloid Corporation, Newark, N. J., assignor to Celanese Corporation of America, New York, N. Y. Plastic sheets suitable for transmitting and/or diffusing light. Serial No. 448,817; Feb. 3. Class 50.

Century Lighting, Inc., New York, N. Y. Electric lighting projectors and fixtures. Serial No. 448,551; Feb. 3. Class 21.

Charles of the Ritz, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 448,818; Feb. 3. Class 6.

Chattanooga Medicine Company, The, Chattanooga, Tenn. Iron vitamin tonic. Serial No. 447,556; Feb. 3. Class 6.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, silk, piece goods. Serial No. 449,039; Feb. 3. Class 42.

Cole of California, Inc., Los Angeles, Calif. Women's and misses' apparel—namely, bathing suits, swimming suits, dresses, etc. Serial No. 448,187; Feb. 3. Class 39.

Colorado Milling & Elevator Co., The, doing business as Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Wheat flour. Serial No. 448,074; Feb. 3. Class 46.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear. Serial No. 447,840; Feb. 3. Class 39.

Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. Serial No. 448,964; Feb. 3. Class 44.

Cudahy Brothers Co., Cudahy, Wis. Refined edible vegetable oils. Serial No. 449,130; Feb. 3. Class 46.

Dalton Hat Company, Yonkers, N. Y. Men's hats. Serial No. 448,469; Feb. 3. Class 39.

Deere & Company, Moline, Ill. Plow bottoms. Serial No. 444,731; Feb. 3. Class 23.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. Serial No. 448,937; Feb. 3. Class 37.

Emeralite Company, Inc., New York, N. Y. Therapeutic electric lamps. Serial No. 445,161; Feb. 3. Class 44.

Exhibit Supply Company, The, Chicago, Ill. Coin-controlled amusement apparatus. Serial Nos. 449,674–5; Feb. 3. Class 22.

Exhibit Supply Company, The, Chicago, Ill. Coin-controlled amusement apparatus. Serial Nos. 449,677–80; Feb. 3. Class 22.

Fairbanks, Morse & Co., Chicago, Ill. Electrical machines, particularly induction motors. Serial No. 449,226; Feb. 3. Class 21.

Firth-Sterling Steel Company, McKeesport, Pa. High speed steel. Serial No. 446,912; Feb. 3. Class 14.

Florida Wholesale Florists, Inc., Orlando, Fla. Natural plumosus. Serial No. 447,540; Feb. 3. Class 1.

Fortune Appliance Company. (See Casco Products Corporation.)

Fredriksson, Joe A., San Francisco, Calif. Game board. Serial No. 449,415; Feb. 3. Class 22.

Gallagher & Burton, Inc., Philadelphia, Pa. Whiskey. Serial No. 439,100; Feb. 3. Class 49.

General Motors Corporation, Detroit, Mich. Articles made from metal powders—namely, filters, filtering media, fluid diffusers, etc. Serial No. 444,262; Feb. 3. Class 31.

Gilbert, E. T., Mfg. Co. (See Lee, Charles S.)

Glenmore Distilleries Co., Owensboro, Ky. Whiskey. Serial No. 448,429–30; Feb. 3. Class 49.

Gordon, Joseph M., New York, N. Y. Plastic composition in sheet form. Serial No. 448,254; Feb. 3. Class 50.

Grand Specialties Company, Chicago, Ill. Work retaining clamps, particularly C-clamps. Serial No. 448,639; Feb. 3. Class 23.

Gusto Products, Incorporated, New Haven, Conn. Nuts, spices, and candy in packets. Serial No. 438,734; Feb. 3. Class 46.

Hansen, Kai., doing business as Ko-Ro Company, Chicago, Ill. Non-alcoholic maltless beverages and syrups and extracts for making the same. Serial No. 448,761; Feb. 3. Class 45.

Harry E. Coal Company, The, Swoyerville, Pa. Coal. Serial No. 448,721; Feb. 3. Class 1.

Healthaids, Inc. of New Jersey, Newark, N. J. Vitamin preparation. Serial No. 448,291; Feb. 3. Class 6.

Hoskin Paper Company, Menominee, Mich. Delicatessen paper for wrapping ground meats, fish, butter, lard, fruits, etc. Serial No. 447,395; Feb. 3. Class 37.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts thereof. Serial No. 449,280; Feb. 3. Class 19.

Hygrade Products Company, Inc., Long Isalnd City, N. Y. Hydraulic shock absorber compound. Serial No. 433,043; Feb. 3. Class 6.

Ingraham, E., Company, The, Bristol, Conn. Clocks. Serial No. 447,512; Feb. 3. Class 27.

Kay Rubber Company, New York, N. Y. Finger pads, elastic bands, erasers, finger cots. Serial No. 448,909; Feb. 3. Class 37.

Kellogg Company, Battle Creek, Mich. Glass measures. Serial No. 447,040; Feb. 3. Class 26.

Kelly, Henry, Importing & Distributing Co. Inc., New York, N. Y. Vermouth. Serial No. 447,981; Feb. 3. Class 47.

Knowlton, Frederick A., Denver, Colo. Merchandise certificates. Serial No. 423,916; Feb. 3. Class 38.

Knox Company, The, Los Angeles, Calif. Medicinal preparations to stimulate the circulatory system of the human body, etc. Serial No. 448,697; Feb. 3. Class 6.

Ko-Ro Company. (See Hansen, Kai.)

Ko-Va Corporation, Chicago, Ill. Non-alcoholic maltless beverages, and syrups and extracts and concentrates for making the same. Serial No. 446,501; Feb. 3. Class 45.

Lansburgh & Bro., Washington, D. C. Women's shoes. Serial No. 448,415; Feb. 3. Class 39.

Lee, Charles S., doing business as E. T. Gilbert Mfg. Co., Rochester, N. Y. Pipe cleaners. Serial No. 448,616; Feb. 3. Class 8.

Makron Chemical Co., New York, N. Y. Soot remover. Serial No. 449,146; Feb. 3. Class 6.

Manhattan Terrazzo Brass Strip Co., Inc., New York, N. Y. Dividing strips or other formed pieces used in or on terrazzo, etc., floors, or walls. Serial No. 448,915; Feb. 3. Class 12.

Marlboro Shirt Co., Inc., Baltimore, Md. Dress and sport shirts, jackets, and coats for men and boys. Serial No. 449,286; Feb. 3. Class 39.

Marshall Field & Company, Chicago, Ill. Men't felt hats, sportswear—namely, slacks, leather jackets, sweaters, etc. Serial No. 447,938; Feb. 3. Class 39.

Marshall Field & Company, Chicago, Ill. Men's shorts and pajamas. Serial No. 448,858; Feb. 3. Class 39.
McHutchinson & Co., New York, N. Y. Raffia. Serial Nos. 448,109–10; Feb. 3. Class 1.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Acid neutralizing astringent and hematinic. Serial No. 448,832; Feb. 3. Class 6.
Michalover, Joseph, Inc., New York, N. Y. Piece goods. Serial No. 449,051; Feb. 3. Class 42.
Michigan Chrome & Chemical Co., Detroit, Mich. Coating lacquers. Serial No. 447,242; Feb. 3. Class 16.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 448,833; Feb. 3. Class 39.
Morgan, Sarah F., Jamaica, N. Y. Hose supporters. Serial No. 448,418; Feb. 3. Class 39.
Mykron Company, Chicago, Ill. Vitamin preparations. Serial No. 448,979; Feb. 3. Class 6.
National Silver Company, New York, N. Y. Plated and unplated tableware. Serial Nos. 448,574–5; Feb. 3. Class 23.
Old Colony Paint & Chemical Co., Los Angeles, Calif. Paints. Serial No. 448,298; Feb. 3. Class 16.
Old Colony Paint & Chemical Co., Los Angeles, Calif. Automotive paint finishes. Serial No. 448,300; Feb. 3. Class 16.
Packard Manufacturing Corporation, Indianapolis, Ind. Remote control coin box for electrically actuated phonograph. Serial No. 445,698; Feb. 3. Class 21.
Para Manufacturing Co., Inc., Newark, N. J. Shower curtains, and matching window drapes. Serial No. 449,352; Feb. 3. Class 13.
Parfums Schiaparelli, Inc., New York, N. Y. Soaps. Serial No. 449,062; Feb. 3. Class 4.
Park Drug Co. Inc., New York, N. Y. Preparation for the relief of occasional constipation. Serial No. 448,921; Feb. 3. Class 6.
Parson Paper Company, Holyoke, Mass. Ledger and bond papers. Serial No. 448,165; Feb. 3. Class 37.
Patterson-Sargent Company, The, Cleveland, Ohio. Display devices. Serial No. 445,779; Feb. 3. Class 50.
Peacock Laboratories, San Francisco, Calif. Hair conditioner. Serial No. 448,984; Feb. 3. Class 6.
Philadelphia Electrical and Manufacturing Company, Philadelphia, Pa. Interior and exterior commercial and industrial electrical lighting equipment. Serial No. 446,588; Feb. 3. Class 21.
Pilser Brewing Co., Inc., New York, N. Y. Beer. Serial No. 448,954; Feb. 3. Class 48.
Quaker Oats Company, The, Chicago, Ill. Prepared breakfast cereal. Serial No. 448,801; Feb. 3. Class 46.
Quaker Oats Company, The, Chicago, Ill. Rolled oats. Serial No. 448,802; Feb. 3. Class 46.
Red Seal Beverage Co., doing business as Zip Co., Chicago, Ill. Maltless carbonated beverages. Serial No. 449,019; Feb. 3. Class 45.
Scientific Nutrition Corporation, Bloomfield, N. J. Food supplements containing various vitamins and minerals. Serial No. 448,623; Feb. 3. Class 6.
Scientific Oil Compounding Co., The, Chicago, Ill. Compound or composition of bodied oiticica oil. Serial No. 445,783; Feb. 3. Class 16.
Scott, O. M., & Sons Company, Marysville, Ohio. Field, garden, and grass seeds. Serial No. 448,875; Feb. 3. Class 1.
Scott, O. M., & Sons Company, Marysville, Ohio. Lawn, turf, and garden fertilizers, grass, and plant foods and fertilizer. Serial No. 448,876; Feb. 3. Class 10.
Select Cosmetics Co., Chicago, Ill. Body deodorant. Serial No. 439,977; Feb. 3. Class 6.
Select Sportswear, Inc., New York, N. Y. Ladies' and misses' knitted sport sweaters and two piece knitted dresses. Serial No. 448,988; Feb. 3. Class 39.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk, rayon, and cotton piece goods and combinations thereof. Serial No. 449,023; Feb. 3. Class 42.
Southard & Co. Limited, London, England. Wine. Serial No. 448,463; Feb. 3. Class 47.
Southeastern Clay Company, Aiken, S. C. Refined kaolin for cleaning garments. Serial No. 448,484; Feb. 3. Class 4.
Southern States Marketing Cooperative, Incorporated, Richmond, Va. Eggs. Serial No. 448,878; Feb. 3. Class 46.
Springfield Flour Mills. (See Colorado Milling & Elevator Co.)
Stack, Cornelius, New York, N. Y. Men's and women's hats and caps. Serial No. 447,769; Feb. 3. Class 39.
Standard Manifold Company, Chicago, Ill. Packs of carbon paper. Serial No. 447,470; Feb. 3. Class 11.
Standard Register Company, The, Dayton, Ohio. Paper of the type commonly known as "safety paper." Serial No. 448,486; Feb. 3. Class 37.
Stewart, Halley, Las Vegas, Nev. Periodical publication. Serial No. 447,988; Feb. 3. Class 38.
Stoeger Arms Corporation, New York, N. Y. Publication. Serial No. 444,472; Feb. 3. Class 38.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Assembled radio receiving sets and parts thereof. Serial No. 449,244; Feb. 3. Class 21.
Thornton Laundry & Dry Cleaning Co., Youngstown, Ohio. Dry cleaning preparation. Serial No. 448,087; Feb. 3. Class 4.
Trinidad Creamery Co., The, Trinidad, Colo., Clovis and Albuquerque, N. Mex., Tucson, Ariz., El Paso, Tex., and Los Angeles, Calif. Creamery butter. Serial No. 446,764; Feb. 3. Class 46.
Turco Products, Inc., Los Angeles, Calif. Cleaning compound intended for the cleaning of metal surfaces. Serial No. 448,593; Feb. 3. Class 4.
United Press Associations, New York, N. Y. Periodicals published monthly. Serial No. 447,772; Feb. 3. Class 38.
Vanbert, Ltd., Los Angeles, Calif. Lotion, tooth powder, hair dress, talcum powder, and cologne. Serial No. 448,773; Feb. 3. Class 6.
Vanity Fair Silk Mills, Reading, Pa. Men's, women's, and children's underwear, sleeping garments—namely, night gowns, pajamas, etc. Serial No. 448,927; Feb. 3. Class 39.
Victor, Sally, Inc., New York, N. Y. Cologne, perfume, and face talcum, and dusting powders. Serial No. 448,992; Feb. 3. Class 6.
Walnut Grove Products Company, Atlantic, Iowa. Minerals used as a feed supplement for hogs. Serial No. 438,227; Feb. 3. Class 46.
Warner, William R., & Co., Inc., New York, N. Y. Calcium diphosphate preparation containing vitamins. Serial Nos. 448,994–5; Feb. 3. Class 6.
Weinreich, Richard E., doing business as Weinreich Brothers Co., New York, N. Y. Jewelry and pearls and pearl necklaces. Serial No. 443,900; Feb. 3. Class 28.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Angle cocks, hose couplings, valves, etc. Serial No. 444,110; Feb. 3. Class 13.
White & Bagley Company, The, Worcester, Mass. Liquid flushing and cleaning compound for flushing and cleaning motors, engines, gears, and gearing, etc. Serial No. 448,310; Feb. 3. Class 6.
World Parade, Inc., New York, N. Y. Motion picture films. Serial No. 449,089; Feb. 3. Class 26.
Xana Inc., New York, N. Y. Ladies' brassières, corsets, nightgowns, pajamas, panties, slips, etc. Serial No. 448,069; Feb. 3. Class 39.
Zip Co. (See Red Seal Beverage Co.)

LIST OF REGISTRANTS OF TRADE-MARKS

Acquick Ointment Co. (See Ripple, Josiah M.)
Air-Conditioned Fabrics Corporation, New York, N. Y. Chemicals used for processing, finishing, or coating fabrics, etc. 393,343; Feb. 3. Class 6.
American Electric Cable Co., Holyoke, Mass. Insulated electrical wire, cables, and cords. 393,303; Feb. 3; Serial No. 445,786; published Nov. 25, 1941. Class 21.
Associated Music Publishers Inc. (See Wired Radio Inc., assignor.)
Babson Bros. Co., Chicago, Ill. Electric water heaters. 393,323; Feb. 3; Serial No. 447,534; published Nov. 25, 1941. Class 21.
Bagedonow, Max, doing business as Bagedonow Company, New York, N. Y. Coats, skirts, dresses, etc. 393,314; Feb. 3; Serial No. 447,090; published Nov. 25, 1941. Class 39.
Bagnato, Vito, Woodside, Long Island, N. Y. Coats, overcoats, sweaters, etc. 393,300; Feb. 3; Serial No. 444,433; published Nov. 25, 1941. Class 39.
Bestform Foundations, Inc., New York, N. Y. Brassières and foundation garments. 393,330; Feb. 3. Class 39.
Biederman, Joseph B., Cincinnati, Ohio. Sanitary masks, mask filter pads, nasal filters, etc. 393,277; Feb. 3; Serial No. 441,600; published Nov. 25, 1941. Class 44.
Black Millwork & Lumber Co. Inc., Midland Park, N. J. Window units, including glass, frame, sashes, and weather strip. 393,341; Feb. 3. Class 12.
Blankstein, George, doing business as George Blankstein Co., New York, N. Y. Hosiery, underwear, bathing suits, etc. 393,276; Feb. 3; Serial No. 441,227; published Nov. 25, 1941. Class 39.
Bloomfield Manufacturing Co., Chicago, Ill. Electrical food warming cabinets. 393,325; Feb. 3; Serial No. 447,628; published Nov. 25, 1941. Class 21.
Brooke Tool Manufacturing Company Limited, The, Birmingham, England. Milling cutters, reamers, end mills, etc. 393,322; Feb. 3; Serial No. 447,505; published Nov. 25, 1941. Class 23.
Butler Brothers, Chicago, Ill. Underwear. 393,317; Feb. 3; Serial No. 447,224; published Nov. 25, 1941. Class 39.

Central Petroleum Corporation, Shelbyville, Ind., and Richmond, Ky. Gasoline, kerosene, greases, etc. 393,307; Feb. 3; Serial No. 446,515; published Nov. 25, 1941. Class 15.
Colorgraphic Process Corporation, Chicago, Ill. Phonograph record blanks. 393,304; Feb. 3; Serial No. 445,920; published Nov. 25, 1941. Class 36.
Commonwealth Shoe and Leather Co., Whitman, Mass. Shoes. 393,345; Feb. 3. Class 39.
Custom-Bilt Pipes, Inc., Indianapolis, Ind. Pipes, cigarette holders, and ash trays. 393,342; Feb. 3. Class 8.
Deer Island Granite Corporation, Stonington, Maine. Finished granite. 393,339–40; Feb. 3. Class 12.
Dermetics, Inc., Seattle, Wash. Body powders, skin creams, shampoo, etc. 393,332; Feb. 3. Class 6.
Driver, Wilbur B., Company., Newark, N. J. Round and flat wire, ribbon, and strips. 393,279–83; Feb. 3; Serial Nos. 442,934–8; published Nov. 25, 1941. Class 21.
Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon and strip. 393,284–5; Feb. 3; Serial Nos. 442,940–1; published Nov. 25, 1941. Class 21.
Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strips. 393,286; Feb. 3; Serial No. 442,944; published Nov. 25, 1941. Class 21.
Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strip. 393,287–90; Feb. 3; Serial Nos. 442,946–9; published Nov. 25, 1941. Class 21.
Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strip. 393,291–2; Feb. 3; Serial Nos. 442,951–2; published Nov. 25, 1941. Class 21.
Endicott Johnson Corporation, Endicott, N. Y. Boots, shoes, and slippers. 393,335; Feb. 3. Class 39.
Enro Shirt Company, Inc., The, Louisville, Ky. Men's pajamas. 393,294; Feb. 3; Serial No. 443,562; published Nov. 25, 1941. Class 39.
Erickson Oil Company, Barron, Wis. Gasoline. 393,328; Feb. 3. Class 15.
Evans-Crowder Company. (See Lipman, Elmer.)
Expandor, Inc., New York, N. Y. Prefabricated compartments consisting of a door and cabinet assembled together as a unit. 393,305; Feb. 3; Serial No. 446,356; published Nov. 25, 1941. Class 12.
Fraser Manufacturing Company, Inc., New York, N. Y. Twisted rayon yarn. 393,312; Feb. 3; Serial No. 446,914; published Nov. 18, 1941. Class 43.
Freydberg Bros., Inc., Stamford, Conn., and New York, N. Y. Thread coated with cellulosic material. 393,320; Feb. 3; Serial No. 447,370; published Nov. 25, 1941. Class 43.
Gates Rubber Company, The, Denver, Colo. Articles formed from rubber bonded to metal—to wit, covered pump parts, expellers, case liners, etc. 393,272; Feb. 3; Serial No. 439,462; published Nov. 25, 1941. Class 23.
Gray Metal Products, Inc., Rochester, N. Y. Air conditioning pipe and fittings and warm air furnace pipe and fittings. 393,331; Feb. 3. Class 34.
Hartford Rayon Corporation, The, Rocky Hill, Conn. Straw-like rayon yarn. 393,301; Feb. 3; Serial No. 444,599; published Nov. 11, 1941. Class 43.
Heat Resistant Glass Corp., New York, N. Y. Glass coffee makers. 393,316; Feb. 3; Serial No. 447,185; published Nov. 25, 1941. Class 13.
Jaxton Clothes Company, Inc., New York, N. Y. Men's and boys' and students' suits and coats, suit and slack ensembles, sport coats, and slacks. 393,315; Feb. 3; Serial No. 447,138; published Nov. 11, 1941. Class 39.
Johnson, Albert L., Chicago, Ill. Card game. 393,310; Feb. 3; Serial No. 446,879; published Nov. 25, 1941. Class 22.
Kaufman, Otto, Company, Chicago, Ill. Hand tools. 393,338; Feb. 3. Class 23.
Kayser, Julius, & Co., New York, N. Y. Hosiery, gloves, underwear, etc. 393,295; Feb. 3; Serial No. 443,723; published Nov. 25, 1941. Class 39.
Laymon, H. B., doing business as World's Products Company, Spencer, Ind. Safety razor blades. 393,321; Feb. 3; Serial No. 447,399; published Nov. 25, 1941. Class 23.
Lederer Manufacturing Company, Detroit, Mich. Aprons. 393,270; Feb. 3; Serial No. 429,267; published Nov. 25, 1941. Class 39.
Leighton Hats, Inc., New York, N. Y. Ladies' hats. 393,333; Feb. 3. Class 39.
Lipman, Elmer, doing business as Evans-Crowder Company, Detroit, Mich. Hair wave pads. 393,326; Feb. 3; Serial No. 447,746; published Nov. 25, 1941. Class 44.
Los Alamitos Packing Co. (See Ross, Dr. W. J., Company.)
Lyons Band Instrument Company, Chicago, Ill. Band and orchestra musical instruments. 393,297; Feb. 3; Serial No. 444,350; published Nov. 25, 1941. Class 36.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tapes and sheets. 393,275; Feb. 3; Serial No. 439,874; published Nov. 25, 1941. Class 5.
Plymouth Cordage Company, Plymouth and North Plymouth, Mass. Rope of long vegetable fibre. 393,324; Feb. 3; Serial No. 447,615; published Nov. 25, 1941. Class 7.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y. Headbands for controlling perspiration. 393,299; Feb. 3; Serial No. 444,417; published Nov. 25, 1941. Class 39.
Rea Products Company, The, Bath Township, Ohio. Medicated pads for treatment of colds, etc. 393,344; Feb. 3. Class 6.
Ripple, Josiah M., doing business as Acquick Ointment Co., Martinsburg, W. Va. Ointment or salve. 393,337; Feb. 3. Class 6.
Roman Stripe Mills, Inc., New York, N. Y. Hosiery. 393,278; Feb. 3; Serial No. 441,833; published Nov. 25, 1941. Class 39.
Root Manufacturing Company, The, Cleveland, Ohio. Machines and devices for applying insecticides to vegetation. 393,306; Feb. 3; Serial No. 446,400; published Nov. 25, 1941. Class 23.
Ross, Dr. W. J., Company, doing business as Los Alamitos Packing Co., Los Angeles, Calif. Canned dog and cat food. 393,327; Feb. 3. Class 46.
S & M Tire & Auto Supply Co., Minneapolis, Minn. Pneumatic rubber tires and rubber inner tubes. 393,309; Feb. 3; Serial No. 446,745; published Nov. 25, 1941. Class 35.
Saks, Karl, doing business as Karl Saks and Associates, Chicago, Ill. Game boards. 393,318; Feb. 3; Serial No. 447,254; published Nov. 25, 1941. Class 22.
Scherr, George, Company, New York, N. Y. Precision instruments for measuring and visually indicating linear dimensions of objects. 393,298; Feb. 3; Serial No. 444,391; published Nov. 25, 1941. Class 26.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 393,311; Feb. 3; Serial No. 446,894; published Nov. 25, 1941. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Mattresses. 393,296; Feb. 3; Serial No. 444,201; published Nov. 25, 1941. Class 32.
Shell Oil Company, Incorporated, San Francisco, Calif. Lubricating oil. 393,319; Feb. 3; Serial No. 447,276; published Nov. 25, 1941. Class 15.
Solo-Horton Brush Co., Inc., New York, N. Y. Glue brushes. 393,271; Feb. 3; Serial No. 433,230; published Nov. 25, 1941. Class 29.
Statler Tissue Co., Somerville, Mass. Paper towels. 393,336; Feb. 3. Class 37.
Sun Rubber Company, Barberton, Ohio. Rubber dolls. 393,302; Feb. 3; Serial No. 444,775; published Nov. 25, 1941. Class 22.
Superb Glove Co., The, Johnstown and New York, N. Y. Gloves. 393,346; Feb. 3. Class 39.
Thompson Company, Thompson, Ga. Pants and outer shirts. 393,313; Feb. 3; Serial No. 447,052; published Nov. 25, 1941. Class 39.
Thompson Products, Incorporated, Cleveland, Ohio. King bolts, axle bolts, spring bolts, etc. 393,347; Feb. 3. Class 13.
United States Gypsum Company, Chicago, Ill. Calcined gypsum plaster for molding potters' molds. 393,269; Feb. 3; Serial No. 425,716; published Nov. 25, 1941. Class 12.
Vermont Furniture Manufacturing Company, Inc., Winooski, Vt. Beds. 393,329; Feb. 3. Class 32.
Warner, William R., & Co., Inc., New York, N. Y. Elixir of vitamin B complex. 393,334; Feb. 3. Class 6.
Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. 393,273; Feb. 3; Serial No. 439,641; published July 22, 1941. Class 39.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Porcelain electrical insulators. 393,274; Feb. 3; Serial No. 439,738; published Nov. 25, 1941. Class 21.
Wilson, Luloff, doing business as L. Wilson Machine Works, Chicago, Ill. Tool holders, which are devices used on planers, cutters, for holding the cutting bit. 393,308; Feb. 3; Serial No. 446,641; published Nov. 25, 1941. Class 23.
Wired Radio Inc., assignor to Associated Music Publishers Inc., New York, N. Y. Electromechanical sound recording and reproducing equipment, sound records, etc. 393,293; Feb. 3; Serial No. 443,471; published Nov. 25, 1941. Class 36.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 5

Adhesive tapes and sheets. Minnesota Mining & Manufacturing Company. 393,275; Feb. 3; Serial No. 439,874; published Nov. 25, 1941.

CLASS 6

Body powders, skin creams, shampoo, etc. Dermetics, Inc. 393,332; Feb. 3.
Chemicals used for processing, finishing, or coating fabrics, etc. Air-Conditioned Fabrics Corporation. 393,343; Feb. 3.
Elixir of vitamin B complex. William R. Warner & Co. 393,334; Feb. 3.
Medicated pads for the treatment of colds, etc. Rea Products Company. 393,344; Feb. 3.
Ointment or salve. J. M. Ripple. 393,337; Feb. 3.

CLASS 7

Rope of long vegetable fibre. Plymouth Cordage Company. 393,324; Feb. 3; Serial No. 447,615; published Nov. 25, 1941.

CLASS 8

Pipes, cigarette holders, and ash trays. Custom-Bilt Pipes, Inc. 393,342; Feb. 3.

CLASS 12

Calcined gypsum plaster for molding potters' molds. United States Gypsum Company. 393,269; Feb. 3; Serial No. 425,716; published Nov. 25, 1941.
Granite, Finished. Deer Island Granite Corporation. 393,339–40; Feb. 3.
Prefabricated compartments consisting of a door and a cabinet assembled together as a unit. Expandor, Inc. 393,305; Feb. 3; Serial No. 446,356; published Nov. 25, 1941.
Window units, including glass, frame, sashes, and weather strip. Black Millwork & Lumber Co. Inc. 393,341; Feb. 3.

CLASS 13

Bolts, King, axle, spring, etc. Thompson Products, Incorporated. 393,347; Feb. 3.
Glass coffee makers. Heat Resistant Glass Corp. 393,316; Feb. 3; Serial No. 447,185; published Nov. 25, 1941.

CLASS 15

Gasoline. Erickson Oil Company. 393,328; Feb. 3.
Gasoline, kerosene, greases, etc. Central Petroleum Corporation. 393,307; Feb. 3; Serial No. 446,515; published Nov. 25, 1941.
Oil, Lubricating. Shell Oil Company. 393,319; Feb. 3; Serial No. 447,276; published Nov. 25, 1941.

CLASS 21

Electrical insulators, Porcelain. Westinghouse Electric & Manufacturing Company. 393,274; Feb. 3; Serial No. 439,738; published Nov. 25, 1941.
Electrical wire, cables, and cords, Insulated. American Electric Cable Co. 393,303; Feb. 3; Serial No. 445,786; published Nov. 25, 1941.
Food warming cabinets, Electrical. Bloomfield Manufacturing Co. 393,325; Feb. 9; Serial No. 447,628; published Nov. 25, 1941.
Water heaters, Electric. Babson Bros. Co. 393,323; Feb. 3; Serial No. 447,534; published Nov. 25, 1941.
Wire, ribbon, and strip, Round and flat. Wilbur B. Driver Company. 393,279–83; Feb. 3; Serial Nos. 442,934–8; published Nov. 25, 1941.
Wire, ribbon, and strip, Round and flat. Wilbur B. Driver Company. 393,286; Feb. 3; Serial No. 442,944; published Nov. 25, 1941.
Wire, ribbon, and strip, Round and flat. Wilbur B. Driver Company. 393,287–90; Feb. 3; Serial Nos. 442,946–9; published Nov. 25, 1941.
Wire, ribbon, and strip, Round and flat. Wilbur B. Driver Company. 393,291–2; Feb. 3; Serial Nos. 442,951–2; published Nov. 25, 1941.
Wire, ribbon, and strip, Round and flat. Wilbur B. Driver Company. 393,284–5; Feb. 3; Serial Nos. 442,940–1; published Nov. 25, 1941.

CLASS 22

Dolls, Rubber. Sun Rubber Company. 393,302; Feb. 3; Serial No. 444,775; published Nov. 25, 1941.
Game boards. K. Saks. 393,318; Feb. 3; Serial No. 447,254; published Nov. 25, 1941.
Game, Card. A. L. Johnson. 393,310; Feb. 3; Serial No. 446,879; published Nov. 25, 1941.

CLASS 23

Articles formed from rubber bonded to metal. Gates Rubber Company. 393,272; Feb. 3; Serial No. 439,462; published Nov. 25, 1941.

Machines and devices for applying insecticides to vegetation. Root Manufacturing Company. 393,306; Feb. 3; Serial No. 446,400; published Nov. 25, 1941.
Milling cutters, reamers, end mills, etc. Brooke Tool Manufacturing Company Limited. 393,322; Feb. 3; Serial No. 447,505; published Nov. 25, 1941.
Razor blades, Safety. H. B. Laymon. 393,321; Feb. 3; Serial No. 447,399; published Nov. 25, 1941.
Tool holders. L. Wilson. 393,308; Feb. 3; Serial No. 446,641; published Nov. 25, 1941.
Tools, Hand. Otto Kaufman Company. 393,338; Feb. 3.

CLASS 26

Instruments for measuring and visually indicating linear dimensions of objects, Precision. George Scherr Company. 393,298; Feb. 3; Serial No. 444,391; published Nov. 25, 1941.

CLASS 29

Brushes, Glue. Solo-Horton Brush Co. 393,271; Feb. 3; Serial No. 433,230; published Nov. 25, 1941.

CLASS 32

Beds. Vermont Furniture Manufacturing Company. 393,329; Feb. 3.
Mattresses. Sears, Roebuck and Co. 393,296; Feb. 3; Serial No. 444,201; published Nov. 25, 1941.

CLASS 34

Air conditioning pipe and fittings and warm air furnace pipe and fittings. Gray Metal Products, Inc. 393,331; Feb. 3.

CLASS 35

Tires and rubber inner tubes, Pneumatic rubber. S & M Tire & Auto Supply Co. 393,309; Feb. 3; Serial No. 446,745; published Nov. 25, 1941.

CLASS 36

Musical instruments, Band and orchestra. Lyons Band Instrument Company. 393,297; Feb. 3; Serial No. 444,350; published Nov. 25, 1941.
Record blanks, Phonograph. Colorgraphic Process Corporation. 393,304; Feb. 3; Serial No. 445,920; published Nov. 25, 1941.
Sound recording and reproducing equipment, sound records, etc., Electromechanical. Wired Radio Inc. 393,293; Feb. 3; Serial No. 443,471; published Nov. 25, 1941.

CLASS 37

Paper towels. Statler Tissue Co. 393,336; Feb. 3.

CLASS 39

Aprons. Lederer Manufacturing Company. 393,270; Feb. 3; Serial No. 429,267; published Nov. 25, 1941.
Boots, shoes, and slippers. Endicott Johnson Corporation. 393,335; Feb. 3.
Brassières and foundation garments. Bestform Foundations, Inc. 393,330; Feb. 3.
Coats, overcoats, sweaters, etc. V. Bagnato. 393,300; Feb. 3; Serial No. 444,433; published Nov. 25, 1941.
Coats, skirts, dresses, etc. M. Bagedonow. 393,314; Feb. 3; Serial No. 447,090; published Nov. 25, 1941.
Gloves. Superb Glove Co. 393,346; Feb. 3.
Hats, Ladies'. Leighton Hats, Inc. 393,333; Feb. 3.
Headbands for controlling perspiration. Pulmosan Safety Equipment Corp. 393,299; Feb. 3; Serial No. 444,417; published Nov. 25, 1941.
Hosiery. Roman Stripe Mills, Inc. 393,278; Feb. 3; Serial No. 441,833; published Nov. 25, 1941.
Hosiery, gloves, underwear, etc. Julius Kayser & Co. 393,295; Feb. 3; Serial No. 443,723; published Nov. 25, 1941.
Hosiery, underwear, bathing suits, etc. G. Blankstein. 393,276; Feb. 3; Serial No. 441,227; published Nov. 25, 1941.
Pajamas, Men's. Enro Shirt Company. 393,294; Feb. 3; Serial No. 443,562; published Nov. 25, 1941.
Pants and outer shirts. Thompson Company. 393,313; Feb. 3; Serial No. 447,052; published Nov. 25, 1941.
Shoes. Commonwealth Shoe and Leather Co. 393,345; Feb. 3.
Suits, and coats, sport coats, and slacks, etc. Jaxton Clothes Company. 393,315; Feb. 3; Serial No. 447,138; published Nov. 11, 1941.
Underwear. Butler Brothers. 393,317; Feb. 3; Serial No. 447,224; published Nov. 25, 1941.
Work gloves. Wells Lamont Smith Corporation. 393,273; Feb. 3; Serial No. 439,641; published July 22, 1941.

CLASS 43

Thread coated with cellulosic material. Freydberg Bros., Inc. 393,320; Feb. 3; Serial No. 447,370; published Nov. 25, 1941.

Yarn, Straw-like rayon. Hartford Rayon Corporation. 393,301; Feb. 3; Serial No. 444,599; published Nov. 11, 1941.
Yarn, Twisted rayon. Fraser Manufacturing Company. 393,312; Feb. 3; Serial No. 446,914; published Nov. 18, 1941.

CLASS 44

Arch supports. Scholl Mfg. Co. 393,311; Feb. 3; Serial No. 446,894; published Nov. 25, 1941.
Hair wave pads. E. Lipman. 393,326; Feb. 3; Serial No. 447,746; published Nov. 25, 1941.
Masks, mask filter pads, nasal filters, etc., Sanitary. J. B. Biederman. 393,277; Feb. 3; Serial No. 441,600; published Nov. 25, 1941.

CLASS 46

Canned dog and cat food. Dr. W. J. Ross Company. 393,327; Feb. 3.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF FEBRUARY, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brown, Wiley G., Charlotte, N. C., assignor to W. Y. Brown and R. H. Garland. Lubrication apparatus. Re. 22,015; Feb. 3.

Brown, William Y., et al. (See Brown, Wiley G., assignor.)

Edwards, Crewdson. (See Edwards, Judson T. and C.)

Edwards, Judson T. and C., St. Louis, Mo., assignors, by mesne assignments, to The Silex Company, Hartford, Conn. Electric steam iron. Re. 22,016; Feb. 3.

Garland, Robert H., et al. (See Brown, Wiley G., assignor.)

Gaubert, John Q., Yonkers, N. Y., and J. D. Seabert, Collingswood, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Acoustic device. Re. 22,017; Feb. 3.

Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)

Lambert, Albert L., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Door. Re. 22,018; Feb. 3.

Radio Corporation of America. (See Gaubert, J. Q., and Seabert, assignors.)

Seabert, John D. (See Gaubert, J. Q., and Seabert.)

Silex Company, The. (See Edwards, Judson T. and C., assignors.)

LIST OF PLANT PATENTEES

Drain, Brooks D., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Strawberry plant. 502; Feb. 3.

University of Tennessee Research Corporation, The. (See Drain, Brooks D., assignor.)

LIST OF DESIGN PATENTEES

Abt, John H., assignor to Deering-Milliken Co., Inc., New York, N. Y. Textile fabric. 131,323; Feb. 3.

Abt, John H., assignor to Deering-Milliken Co., Inc., New York, N. Y. Textile fabric. 131,324; Feb. 3.

Arenz, Francis F., South Bend, Ind. Service certificate. 131,292; Feb. 3.

Automatic Products Company. (See Barnes, J. F., Reinecke, and Johnson, assignors.)

Autopoint Company. (See Baner, Hans A., assignor.)

Barnes, James F., and J. O. Reinecke, Chicago, Ill., and R. W. Johnson, assignors to Automatic Products Company, Milwaukee, Wis. Room thermostat. 131,293; Feb. 3.

Barofsky, Jack, Los Angeles, Calif. Cash register. 131,280; Feb. 3.

Bauer, Hans A., assignor to Autopoint Company, Chicago, Ill. Combined cap and clip for a mechanical pencil or similar article. 131,281; Feb. 3.

Bernstein, Milton J. (See Weiss, Jacob M., assignor.)

Blunt, Royden A., Howard County, Md. Bottle. 131,294; Feb. 3.

Briddell, Chas. D., Inc. (See Spowers, Gale M., assignor.)

Brunswick-Balke-Collender Company, The. (See Henkel, Andrew L., and Ewing, assignors.)

Burton, Edward F., and W. B. Oswald, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 131,295; Feb. 3.

Case, Richard Y., Philadelphia, assignor to L. H. Gilmer Co., Tacony, Philadelphia, Pa. Power transmission belt. 131,340; Feb. 3.

Collura, Francesco G., New York, N. Y., asignor to The Torrington Manufacturing Co., Torrington, Conn. Fan propeller. 131,271; Feb. 3.

Cooper, Ethel A., Denver, Colo. Article holding device to be worn on the person. 131,325; Feb. 3.

Dann, Morris, Cleveland, Ohio. Laboratory apparatus hand truck. 131,316; Feb. 3.

Davis, Milton K., Dallas, Tex. Vending device. 131,296; Feb. 3.

Dazey Churn and Manufacturing Company. (See Reinecke, Jean O., assignor.)

Deering-Milliken Co. (See Abt, John H., assignor.)

Diebel, Israel. (See Rothe, Ole O., and Diebel.)

Donovan, Inez B., Terminal Island, assignor to Van Camp Sea Food Co. Inc., Fish Harbor, Terminal Island, Calif. Salad plate. 131,297; Feb. 3.

Douglas Aircraft Company. (See Burton, E. F., and Oswald, assignors.)

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 131,282; Feb. 3.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 131,283; Feb. 3.

Ewing, Burke M. (See Henkel, A. L., and Ewing.)

Faden, Sylvia, New York, N. Y. Dress. 131,326; Feb. 3.

Faden, Sylvia, New York, N. Y. Dress. 131,327; Feb. 3.

Finberg, Harry D., Boston, Mass. Label for a toy motor mounting or similar article. 131,298; Feb. 3.

Fixler Bros. (See Fixler, Maurice, assignor.)

Fixler, Maurice, assignor, by mesne assignments, to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 131,272; Feb. 3.

Fixler, Maurice, assignor, by mesne assignments, to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 131,273; Feb. 3.

Fixler, Maurice, assignor, by mesne assignments, to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 131,274; Feb. 3.

Fixler, Maurice, assignor, by mesne assignments, to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 131,275; Feb. 3.

Geffner, Samuel H., New York, N. Y. Skirt. 131,328; Feb. 3.

General Electric Company. (See Zelt, Elmer J., assignor.)

Gilmer, L. H., Co. (See Case, Richard Y., assignor.)

Gottlieb, Joseph. (See Triguba, Henry, assignor.)

Greene, Beatrice, New York, N. Y. Dress. 131,329; Feb. 3.

Henkel, Andrew L., and B. M. Ewing, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Settee. 131,276; Feb. 3.

Herskovitz, Irwin, New York, N. Y. Arch balancer. 131,299; Feb. 3.

Hogg, Elsie C., Elizabeth, N. J. Pin. 131,300; Feb. 3.

Hoshafian, Lucy, New York, N. Y. Dress. 131,330; Feb. 3.

Hoshafian, Lucy, New York, N. Y. Dress. 131,331; Feb. 3.

Jacobsen, Henry W., Cleveland Heights, Ohio. Combined fruit corer and slicer. 131,301; Feb. 3.

Johnson, Roy W. (See Barnes, J. F., Reinecke, and Johnson.)

Kliche, Curt, Long Island City, N. Y. Shoe. 131,302; Feb. 3.

Kliche, Curt, Flushing, N. Y. Shoe or similar article. 131,317; Feb. 3.

Levin, David E., New York, N. Y. Shoe. 131,318; Feb. 3.

Levitt, Max, New York, N. Y. Cape or similar article. 131,319; Feb. 3.

Maisch, Jacques E., New York, N. Y. Textile fabric. 131,320; Feb. 3.

Maisch, Jacques E., New York, N. Y. Textile fabric. 131,321; Feb. 3.

Miller, Frances, New York, N. Y. Umbrella or similar article. 131,284; Feb. 3.

Miller, Marie, Los Angeles, Calif. Costume dress or similar article. 131,285; Feb. 3.

Miller, Walter S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 131,303; Feb. 3.

Oswald, William B. (See Burton, E. F., and Oswald.)

Owens-Illinois Glass Company. (See Miller, Walter S., assignor.)

Parnis, Mollie, New York, N. Y. Dress. 131,332; Feb. 3.
Pen, Julius, New York, N. Y. Shoe. 131,304; Feb. 3.
Pond, Harold J., Minneapolis, Minn. Floor surfacing machine. 131,286; Feb. 3.
Reinecke, Jean O. (See Barnes, J. F., Reinecke, and Johnson.)
Reinecke, Jean O., Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo. Fruit juicer. 131,305; Feb. 3.
Reinecke, Jean O., Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo. Fruit juicer. 131,306; Feb. 3.
Rideout, John G. (See Weaver, E. W., and Rideout.)
Rosenberg, Samuel, Shorewood, Wis. Cap. 131,333; Feb. 3.
Rosenthal, Samuel W., New York, N. Y. Lamp. 131,287; Feb. 3.
Rothe, Ole O., and Israel Diebel, Minneapolis, Minn. Valve refacing and reseating tool. 131,307; Feb. 3.
Selver, Dora, New York, N. Y. Textile fabric. 131,308; Feb. 3.
Spowers, Gale M., assignor to Chas. D. Briddell, Inc., Crisfield, Md. Kitchen reminder. 131,277; Feb. 3.
Sutcliffe, Harry L., New York, N. Y. Shoe. 131,309; Feb. 3.
Sutcliffe, Harry L., New York, N. Y. Shoe. 131,310; Feb. 3.
Sutton, Armond E., Pasadena, Calif. Manicure bowl or similar article. 131,311; Feb. 3.
Tetreault, Mary E., New York, N. Y. Dress. 131,334; Feb. 3.
Thacher, Sheldon P., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 131,312; Feb. 3.
Torrington Manufacturing Co., The. (See Collura, Francesco G., assignor.)
Towmotor Co. (See Weaver, E. W., and Rideout, assignors.)
Triguba, Henry, New York, N. Y., assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 131,335; Feb. 3.
Triguba, Henry, New York, N. Y., assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 131,336; Feb. 3.
United States Rubber Company. (See Thacher, Sheldon P., assignor.)
Van Camp Sea Food Co. Inc. (See Donovan, Inez B., assignor.)
Vernon, Rhea J., Abilene, Tex. Tie clasp. 131,288; Feb. 3.
Vietti, Battista A., Reno, Nev. Trailer. 131,322; Feb. 3.
Vivier, Roger, New York, N. Y. Shoe. 131,289; Feb. 3.
Vivier, Roger, New York, N. Y. Shoe. 131,290; Feb. 3.
Vivier, Roger, New York, N. Y. Shoe. 131,291; Feb. 3.
Voorhis, Gordon D., assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y. Cake of soap. 131,278; Feb. 3.
Voorhis-Tiebout Company. (See Voorhis, Gordon D., assignor.)
Weaver, Elverton W., and J. G. Rideout, Cleveland Heights, assignors, by mesne assignments, to Towmotor Co., Cleveland, Ohio. Industrial truck. 131,279; Feb. 3.
Weinkrantz, Benjamin, New York, N. Y. Combination alphabetical index and calendar. 131,313; Feb. 3.
Weiss, Jacob M., assignor to M. J. Bernstein, Brooklyn, N. Y. Combined tie-clip and nail file. 131,337; Feb. 3.
Weiss, Jacob M., Brooklyn, N. Y. Combined tie-clip and nail file. 131,338; Feb. 3.
Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Transformer. 131,314; Feb. 3.
Zendman, Isaac Jr., New York, N. Y. Lace. 131,339; Feb. 3.
Zimmerman, Abraham, Springfield, Mass. Vase. 131,315; Feb. 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abell, Margaret S., Berkeley, Calif. Attachable sleeve for children. 2,271,580; Feb. 3.
Acme Knitting Machine & Needle Company. (See Stewart, Albert E., assignor.)
Air Preheater Corporation, The. (See Holm, Sven, assignor.)
Albertoli, John, San Francisco, Calif. Peach slicing machine. 2,271,755; Feb. 3.
Alf, Alfred I. (See Doran, H. M., Jackson, and Alf.)
Allen-Bradley Company. (See Megow, G. E., and Thomson, assignors.)
Allen, Charles F. H. (See Carroll, B. H., and Allen.)
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,271,510; Feb. 3.
Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn Inc. Covering structure. 2,272,144; Feb. 3.
Allen, Oliver F., New York, N. Y., and O. E. Szekely, Philadelphia, Pa., assignors to Martin Motors, Inc., New York, N. Y. Cooling system for internal combustion engines. 2,271,994; Feb. 3.
Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing apparatus. 2,271,851; Feb. 3.
Allied Chemical & Dye Corporation. (See Flett, Lawrence H., assignor.)
Allied Chemical & Dye Corporation. (See Liston, Thomas R., assignor.)
Allin, George S., assignor to Isaacson Iron Works, Seattle, Wash. Load ejector. 2,271,790; Feb. 3.
Allis-Chalmers Manufacturing Company. (See Dray, Walter R., assignor.)
Allmendinger, Charles T., Chicago, Ill. Combined work and tool holder. 2,271,532; Feb. 3.
Altemus, James D., Roslyn, N. Y. Electric shaving implement. 2,272,053; Feb. 3.
Altemus, James D., Roslyn, N. Y. Electrical razor. 2,272,054; Feb. 3.
Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Tractor plow. 2,271,533; Feb. 3.
Aluminum Laboratories Limited. (See Palmer, Roy D., assignor.)
Ambler, Charles M., Jr., Jenkintown, assignor to The Sharples Corporation, Philadelphia, Pa. Purifying used oils. 2,271,882; Feb. 3.
American Brass Company, The. (See Davis, C. H., and Munson, assignors.)
American Can Company. (See Baselt, Frederick C., assignor.)
American Can Company. (See Dahlgren, Charles H., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Steel Foundries. (See Kayler, Frank H., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
Amity Leather Products Company. (See Wege, John P., assignor.)
Anaconda Copper Mining Company. (See Doran, H. M., Jackson, and Alf, assignors.)
Anastor, Charles G., assignor to Kimble Glass Company, Vineland, N. J. Manufacturing dropper. 2,272,105; Feb. 3.
Andersag, Hans, and W. Salzer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 2-keto-1,2,3,4-tetrahydronaphthalenes and producing them. 2,271,674; Feb. 3.
Anderson, Jasper E., Saugus, Mass., assignor to General Electric Company. Arc welding head. 2,272,158; Feb. 3.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Printing mechanism for accounting machines. 2,272,079; Feb. 3.
Anderson, William C., Bromley, Ky., and F. Harvey, Cincinnati, Ohio, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Latch for electric switch cabinets. 2,272,145; Feb. 3.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,271,610; Feb. 3.
Applegate, Lindsay M. (See Varian, R. H., Hansen, and Applegate.)
Armour and Company. (See Littlefield, Verne D., assignor.)
Ash, Philip P., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Transmitting apparatus for train communication systems. 2,272,106; Feb. 3.
Ashlock, George W., Jr., Oakland, Calif. Olive pitter. 2,271,675; Feb. 3.
Ashworth, Fred, Wenham, and C. F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,271,611; Feb. 3.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,271,612; Feb. 3.
Associated Electric Laboratories, Inc. (See Sands, Roy G., assignor.)
Atkinson, Ralph L., Hinsdale, assignor to Transparent Package Company, Chicago, Ill. Casing, method and apparatus for preparing same. 2,271,932; Feb. 3.
Atwood Vacuum Machine Company, The. (See Crabb, Donald E., assignor.)
Automatic Linker, Inc. (See Demarest, D. D., Berendt, and Karius, assignors.)
Automatic Signal Corporation. (See Wilcox, Harry A., assignor.)
Babcock & Wilcox Company, The. (See Fletcher, J., and Huge, assignors.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Babcock & Wilcox Company, The. (See Langvand, I. L., and Gay, assignors.)
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Babcock, Roger S., Plainfield, and L. W. Young, Scotch Plains, N. J., assignors to Oxweld Acetylene Company. Plate-ridding attachment. 2,271,613; Feb. 3.
Bachman Brothers, Inc. (See McNeill, Albert G., assignor.)
Bailey, Christopher E. G., Mitcham Junction, England, assignor to Radio Corporation of America, New York, N. Y. Radio receiver for direction finding or course indicating systems. 2,271,534; Feb. 3.
Bainbridge, William W., assignor to United States Gypsum Company, Chicago, Ill. Roofing element. 2,271,728; Feb. 3.
Bakelite Corporation. (See Müller, Reinhart, assignor.)
Baker, Perkins, Inc. (See Engels, Eugene O., assignor.)
Belden Manufacturing Company. (See Neil, H. A., and Schelke, assignors.)
Baldwin, John, Brooklyn, and W. Hillenbrand, Rigo Park, Long Island, N. Y. Fuse plug. 2,271,729; Feb. 3.
Ball, Horatio C., Arlington, Va., assignor to Universal Life Saving Corporation. Lifesaving suit. 2,271,891; Feb. 3.
Bannister, Bryant, Mount Lebanon, Pa. Fishing reel. 2,271,883; Feb. 3.
Bany, Herman, Landsdowne, Pa. assignor to General Electric Company. Control system for electric valves. 2,271,965; Feb. 3.
Baribault, Lucien J., assignor of one-half to J. Fein, New York, N. Y. Electromagnetically controlled lock. 2,271,966; Feb. 3.
Barker, Ernest L., Houston, Tex. Well flowing device. 2,271,535; Feb. 3.
Barnes Drill Co. (See Johnson, Albert M., assignor.)
Baroni, Cesare, Milan, Italy. Electrical resistance. 2,271,995; Feb. 3.
Barringer, Wallis & Manners, Limited. (See Dove, John A., assignor.)
Bartelson, Stan E. (See Hasbrouck, H. J., Jr., and Bartelson.)
Baselt, Frederick C., assignor to American Can Company, New York, N. Y. Projection screen. 2,271,614; Feb. 3.
Battery Tool Corporation, The. (See Colley, George F., assignor.)
Bauer, Hans F., and E. F. Glabe, assignors to Stein, Hall Manufacturing Company, Chicago, Ill. Preparation of bakery products. 2,271,756; Feb. 3.
Bauer, Russell E., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic power unit. 2,271,615; Feb. 3.
Beale, Martin J., Brooklyn, N. Y. Flagstaff holder. 2,271,616; Feb. 3.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Stoker. 2,271,967; Feb. 3.
Behlen, George D., Chicago, Ill. Power hammer. 2,271,933; Feb. 3.
Bell Aircraft Corporation. (See Schwartz, Arthur A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cole, I. E., and Melhose, assignors.)
Bell Telephone Laboratories, Incorporated. (See Davidson, John, Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ekstrand, Sture O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wadsworth, Paul W., assignor.)
Bemis Bro. Bag Co. (See Kindseth, Harold V., assignor.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,271,617; Feb. 3.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Bearing and seal. 2,272,029; Feb. 3.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 2,272,030; Feb. 3.
Berendt, Carl. (See Demarest, D. D., Berendt, and Karius.)
Berg, Emil G. (See Re Pas, E. J., and Berg.)
Berg, Quentin, Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,536; Feb. 3.
Bergman, George H. (See Hartman, Frank E., assignor.)
Berry, Ralph C., Berkley, Mich., and P. R. Carlton, assignors to Republic Steel Corporation, Cleveland, Ohio. Electric welding apparatus. 2,272,031; Feb. 3.
Bethenod, Joseph, and D. Kayser, assignors to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva, Paris, France. Device for the nightly light beaconing of high tension overhead cables. 2,272,080; Feb. 3.
Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave noise eliminator. 2,271,909; Feb. 3.
Biggert, Florence C., Jr., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Branner. 2,271,537; Feb. 3.
Bingham Stamping Company, The. (See McCarthy, Charles S., assignor.)
Bingham Stamping Company, The. (See Skareen, Willard C., assignor.)
Bjornbak, Elna, Inglewood, Calif. Diaper. 2,271,676; Feb. 3.
Blair, Alfred G., Pasadena, Calif. Automobile tray device. 2,271,884; Feb. 3.
Bliss, E. W., Company. (See Klocke, William, assignor.)
Bliss, Sherwood C., assignor to Houde Engineering Corporation, Buffalo, N. Y. Pump. 2,271,730; Feb. 3.
Bloch, Herman S., and E. C. Lee, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 2,271,618; Feb. 3.
Bluemle, Arnold A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,271,910; Feb. 3.
Bodkin, Irving S., New York, and C. R. Schumacher, Lynbrook, N. Y. Dry shaving device. 2,272,081; Feb. 3.
Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Synthetic resin coating composition. 2,271,581; Feb. 3.
Boltz, Fred S., Mansfield, Mass. Drying apparatus. 2,271,757; Feb. 3.
Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,272,107; Feb. 3.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,271,892; Feb. 3.
Boyle, Robert S., Akron, Ohio, and C. H. Taylor, Springfield, Mass., assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,556; Feb. 3.
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Heat exchange and making the same. 2,271,538; Feb. 3.
Brace, George A. (See Fitzsimmons, R. R., and Brace.)
Bradford Machine Tool Company, The. (See Tcimpidis, George E., assignor.)
Bradley, Linn, Montclair, N. J., assignor to Research Corporation, New York, N. Y. Regenerative stove. 2,272,108; Feb. 3.
Bradner, Hosea T., Shaker Heights, assignor to The Lees-Bradner Company, Cleveland, Ohio. Fluid circulating system. 2,271,677; Feb. 3.
Bradshaw, George B., Wilmington, Del., and W. C. Meuly, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making pure soaps. 2,271,619; Feb. 3.
Bradshaw, Lewis R. (See Taylor, G. M., Bradshaw, and Green.)
Brehm, Charles M., assignor to The Steel Products Engineering Company, Springfield, Ohio. Die. 2,272,082; Feb. 3.
Brier, John C., Ann Arbor, and G. W. Mulder, Kalamazoo, Mich., assignors to Welsh and Green Incorporated, Chicago, Ill. Preparing vegetable protein compositions. 2,271,620; Feb. 3.
Brisbane, Eugene C., and F. E. Peacock, assignors to S. Morgan Smith Company, York, Pa. Fluid flow controller. 2,271,911; Feb. 3.
Broadmeyer, Albert, Brooklyn, N. Y., assignor to John McAdam & Sons, Incorporated, Norwalk, Conn. Pen beam for ruling machines. 2,272,146; Feb. 3.
Brockman, Robert H., St. Petersburg, Fla. Mandrel. 2,271,934; Feb. 3.
Brown & Sharpe Manufacturing Company. (See Watelet, Ermand L., assignor.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Automatic loom shuttle. 2,272,147; Feb. 3.
Brown, Charles R., Upper Darby, assignor to The Sharples Corporation, Philadelphia, Pa. Recovery of wool grease. 2,271,621; Feb. 3.
Brown, Clinton W., Niagara Falls, assignor to National Manufacturing Corporation, Tonawanda, N. Y. Shingle. 2,272,032; Feb. 3.
Brown, Edwin P., Murfreesboro, assignor to Riverside Manufacturing Co. Inc., Murfreesboro, N. C. Basket making apparatus. 2,272,109; Feb. 3.
Browne, Cecil O., West Acton, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Signaling system. 2,272,043; Feb. 3.
Brumbach, Alvin L., Reading, assignor to Textile Machine Works, Wyomissing, Pa. Bearing construction for knitting machines. 2,271,852; Feb. 3.
Brudin, Nils H., and S. Palmqvist, Lund, assignors to Svenska Prospekterings Aktiebolaget, Stockholm, Sweden. Apparatus for facilitating the performance of series of spectrum analyses. 2,271,893; Feb. 3.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Secondary clock system. 2,271,539; Feb. 3.
Buchanan, William B., and G. B. Tebo, Toronto, Ontario, Canada, assignors to General Cable Corporation, New York, N. Y. Vibration damper. 2,271,935; Feb. 3.
Buchmann, Louis, assignor to Trico Products Corporation, Buffalo, N. Y. Motor. 2,272,033; Feb. 3.
Buckey, Thaddeus J., St. Louis, Mo. Marker die. 2,271,540; Feb. 3.
Bucyrus-Erie Company. (See Davidson, Trevor O., assignor.)
Budd, Edward G., Manufacturing Company. (See Calhoun, John J., assignor.)
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Follower plate for filing cases and the like. 2,271,678; Feb. 3.
Cable, Jane. (See Strohmeier, R. W., Kornet, and Cable.)
Caffrey, Charles S. (See Tollison, P. L., and Caffrey.)
Calhoun, John J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body, especially door. 2,272,034; Feb. 3.
Cambridge Wire Cloth Company, The. (See Mowbray, Robert E. L., assignor.)
Cameron, Angus M., Croydon, near Sydney, New South Wales, Australia. Animal trap. 2,271,996; Feb. 3.
Campbell, Carrie E., as administratrix. (See Campbell, Charles A.)
Campbell, Charles A., deceased, by C. E. Campbell, administratrix, Watertown, N. Y., assignor to The New York Air Brake Company. Self-lubricating brake valve. 2,271,894; Feb. 3.
Campbell, Erwin A. (See Woolslayer, H. J., Campbell, and Jenkins.)
Candor, Robert R., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning apparatus. 2,272,083; Feb. 3.
Canish, Rosario. (See Chinnici, M., and Canish.)
Carbide and Carbon Chemicals Corporation. (See Perkins, G. A., Carruthers, and Clark, assignors.)
Carboloy Company. (See Taylor, George F., assignor.)
Carey, Philip, Manufacturing Company, The. (See Prohl, A. J., and Wood, assignors.)
Carlson, Gustave A., Detroit, Mich. Polishing and grinding machine. 2,272,055; Feb. 3.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Radio course indicator. 2,272,056; Feb. 3.
Carlton, Percy R. (See Berry, R. C., and Carlton.)
Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Treating mercaptothiazoles with ammonia derivatives. 2,271,834; Feb. 3.
Carroll, Burt H., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion.. 2,271,622; Feb. 3.
Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,271,623; Feb. 3.
Carruthers, Thomas F. (See Perkins, G. A., Carruthers, and Clark.)
Carson, Harry Y., Tarrant, Ala. Pipe joint. 2,271,936; Feb. 3.
Carter Carburetor Corporation. (See Korte, A. C., and Lannert, assignors.)
Carter, Roscoe H., Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Insect repellent. 2,272,044; Feb. 3.
Cascelloid Limited. (See Pallett, Alfred E., assignor.)
Cavanagh, Patrick J., Berhampore, Wellington, New Zealand. Means for use in the practicing of golf strokes. 2,271,811; Feb. 3.

Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush strip. 2,271,835; Feb. 3.
Celanese Corporation of America. (See Martin, R., and Mellor, assignors.)
Celanese Corporation of America. (See Platt, H., and Croft, assignors.)
Century Electric Company. (See Hamilton, James L., assignor.)
Chain Belt Company. (See Imse, P. J., and Seidenstricker, assignors.)
Chain Belt Company. (See White, Albert F., assignor.)
Chamberlain, Inc. (See Francis, John G., assignor.)
Champion Spark Plug Company. (See Riddle, F. H., and Tait, assignors.)
Champion, William J., Berwyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket comprising a cellulose derivative gel and preparing and using same. 2,271,758; Feb. 3.
Chandler Company. (See Clark, James H., assignor.)
Chappuis, John A., Neuchatel, Switzerland. Manufacture of washers. 2,271,731; Feb. 3.
Chappuis, John A., Neuchatel, Switzerland. Lock washer. 2,271,732; Feb. 3.
Cheetham, Harold C., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Resin emulsion. 2,272,057; Feb. 3.
Chiappe, Tom, Los Angeles, Calif. Can aligning device. 2,271,997; Feb. 3.
Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)
Childress, James W., Columbia, Tenn. Hydraulic valve. 2,272,110; Feb. 3.
Chinnici, Michael, and R. Canish, Brooklyn, N. Y. Tufting machine. 2,271,853; Feb. 3.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Processing gears. 2,271,759; Feb. 3.
Ciba Pharmaceutical Products, Incorporated. (See Ruzicka, Leopold, assignor.)
Cincinnati Grinders Incorporated. (See Ernst, H., and Dall, assignors.)
Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
Cislak, Francis E., and W. R. Wheeler, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Purification of 3-picoline. 2,272,159; Feb. 3.
Cities Service Oil Company. (See Morgan, John D., assignor.)
Clapp, Chester B., Oakland, Calif. Detachable rest for cigarettes and cigars or the like. 2,272,084; Feb. 3.
Clark, Gerald I., Mountain View, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Earth moving equipment. 2,271,791; Feb. 3.
Clark, James H., assignor to Chandler Company, Cedar Rapids, Iowa. Combustion air supply system. 2,271,733; Feb. 3.
Clark, Jared W. (See Perkins, G. A., Carruthers, and Clark.)
Clarkson, Ralph P., New Rochelle, N. Y. Divided shank rail fastener. 2,271,912; Feb. 3.
Clarkson, Robert J., Hogansville, Ga., assignor to United States Rubber Company, New York, N. Y. Cord stretching apparatus. 2,271,854; Feb. 3.
Claspy, Hugh J., assignor to The Phoenix Glass Company, Monaca, Pa. Lighting fixture. 2,271,679; Feb. 3.
Clayton, John E., Jr., Milltown, N. J. Thermostatic break and make control. 2,271,813; Feb. 3.
Clements, Louis F., assignor to L. J. Furstenberg, trustee, Denver, Colo. Clamp device for trouser creasers. 2,271,541; Feb. 3.
Clemings, Jackson E., Tucson, Ariz. Waffle remover and server. 2,271,812; Feb. 3.
Cleveland, Arch B., Los Angeles, E. G. Haag, Alhambra, and C. L. Ray, Los Angeles, Calif.; said Haag and said Ray assignors to said Cleveland. Apparatus for steam curing. 2,271,855; Feb. 3.
Clopay Corporation. (See Stark, John S., assignor.)
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Load handling mechanism for industrial trucks. 2,271,624; Feb. 3.
Cockerell, Christopher S., Danbury, England, assignor to Radio Corporation of America. Radiogoniometer. 2,271,517; Feb. 3.
Cole, Ira E., Montclair, N. J., and A. E. Melhose, St. Albans, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 2,271,625; Feb. 3.
Colley, George F., assignor to The Battery Tool Corporation, Augusta, Ga. Combination tool. 2,271,680; Feb. 3.
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for preventing the accumulation of ice. 2,271,760; Feb. 3.
Collins, Nell R., Los Altos, and G. H. Gloss, Belmont, assignors to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacturing metallic magnesium. 2,271,626; Feb. 3.
Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Schmalz, William F., assignor.)
Combustion Engineering Company. (See Wood, Wilfred R., assignor.)
Commercial Solvents Corporation. (See Bogin, Charles, assignor.)
Commercial Solvents Corporation. (See Morey, Glen H., assignor.)
Compagnie Generale de Telegraphic sans Fil. (See de Belleville, Paul, assignor.)
Conant, Alan B., assignor to Montgomery Brothers, San Francisco, Calif. Treating air. 2,271,792; Feb. 3.
Congoleum-Nairn Inc. (See Allen, Frank M., assignor.)
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Container closure with applicator rod. 2,271,747; Feb. 3.
Consolidated Expanded Metals Companies. (See Lackey, Alexander, assignor.)
Coolidge, Richard N., Nashville, Tenn. Filtering apparatus. 2,271,814; Feb. 3.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Rectifier for refrigerating systems. 2,271,542; Feb. 3.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,543; Feb. 3.
Coons, Curtis C., North Canton, and S. R. Cummings, Canton, assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,544; Feb. 3.
Coop, Condensfabriek "Friesland". (See van Kreveld, Arnold, assignor.)
Coppus, Frans H. C., Worcester, Mass., assignor to L. M. Erskine, V. W. Coppus, and F. H. C. Coppus, as trustees. Induced draft blower. 2,271,627; Feb. 3.
Coppus, Vera W., trustee, et al. (See Coppus, Frans H. C., assignor.)
Corbet, George, et al. (See Moork, Alfred C., assignor.)
Corbet, Ralph H., et al. (See Moork, Alfred C., assignor.)
Corcoran, Thomas D., et al. (See Saffell, H. V., and Shimel, assignors.)
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Railway car truck. 2,272,035; Feb. 3.
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake gear safety device. 2,271,628; Feb. 3.
Couch, Howard H., Patterson Field, Ohio. Synchronizing mechanism. 2,271,629; Feb. 3.
Coulter, Clarence D., Los Angeles, and E. R. Cox, Huntington Park, assignors to Southwestern Engineering Company, Los Angeles, Calif. Treating hydrocarbons. 2,271,761; Feb. 3.
Cowell, Frederick R., assignor to Kirkstall Forge Limited, Leeds, Yorkshire, England. Internally expanding brake. 2,271,815; Feb. 3.
Cox, Edwin R. (See Coulter, C. D., and Cox, assignor.)
Crabb, Donald E., Detroit, Mich., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Adjustable seat. 2,271,913; Feb. 3.
Crane Co. (See Fredrickson, E. A., and Zinkil, assignors.)
Crane Co. (See Newman, T. P., Marchand, and Fredrickson, assignors.)
Crane Co. (See Zinkil, Roy H., assignor.)
Creager, Frederick L., Camden, N. J., assignor to Radio Corporation of America. Reversible electric motor. 2,271,968; Feb. 3.
Croft, Cyril M. (See Platt, H., and Croft.)
Crown Zellerbach Corporation. (See Diehl, Oscar J., assignor.)
Cummings, Carl E., Bacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal combustion engine. 2,271,856; Feb. 3.
Cummings, Stanley R., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,545; Feb. 3.
Cummings, Stanley R. (See Coons, C. C., and Cummings.)
Curley, Robert S., Biddeford, and W. Shaw, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Cotton picking machine and method. 2,271,793; Feb. 3.
Currie, William E. (See Keunecke, E., and Grasshof, assignors.)
Curtin, Leonard S. (See Koloske, E. W., and Curtin.)
Curtis & Marble Machine Company. (See Remington, Leland F., assignor.)
Dahlgren, Charles H., West New York, N. J., assignor to American Can Company, New York, N. Y. Container. 2,271,630; Feb. 3.
Dall, Albert H. (See Ernst, H., and Dall.)
Davidson, John, Jr., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,271,681; Feb. 3.
Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Wheeled scraper. 2,271,631; Feb. 3.
Davis, Charles H., Cheshire, and E. L. Munson, Naugatuck, Conn., assignors to The American Brass company. Alloy. 2,271,960; Feb. 3.
Davol Rubber Company. (See Raiche, Paul A., assignor.)
Day, Harry G., Minneapolis, and J. E. Johnson, Atwater, Minn.; said Johnson assignor to said Day. Grinding machine. 2,271,794; Feb. 3.
Deane, Henry N., Gardner, Mass., and E. M. Pritchard and E. W. Sherman, New York, N. Y., assignors to Simplex Time Recorder Co., Gardner, Mass. Time recording machine. 2,271,914; Feb. 3.

De Belleville, Paul, Paris, France, assignor to Compagnie Generale de Telegraphic sans Fil. Radio receiver circuit. 2,271,915; Feb. 3.
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Demarest, Daniel D., New York, N. Y., and C. Berendt, East Orange, and W. Karius, Irvington, assignors to Automatic Linker, Inc., Newark, N. J. Variable leverage device. 2,271,795; Feb. 3.
De Margitta, Michael J. N., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,270,059; Feb. 3.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for multiple heat treating. 2,271,916; Feb. 3.
Detroit Stoker Company. (See Beers, Royce L., assignor.)
De Vilbiss Company, The. (See Peeps, Donald J., assignor.)
De Witt, Pius P., St. Louis County, Mo. Furnace. 2,271,816; Feb. 3.
Dickerson, Lin W. (See Honnell, P. M., and Dickerson.)
Dickson, John B., Northampton, and R. A. Stafford, Chicopee, Mass., assignors to A. G. Spaulding & Bros. Inc., New York, N. Y. Golf ball cover stock. 2,272,036; Feb. 3.
Diehl, Oscar J., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Bundling of slats and similar units. 2,271,632; Feb. 3.
Dieter, Walter G., W. G. Ritton, and P. M. Hull, Parkersburg, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Table top, counter top, or the like. 2,272,058; Feb. 3.
Ditto, Incorporated. (See Champion, William J., assignor.)
Ditto, Incorporated. (See Morrison, R. F., and Peterson, assignors.)
Dixon, Joseph, Crucible Company. (See Miller, K., and Smith, assignors.)
Dixon, Willard E., Pampa, Tex. Pipe cutter. 2,271,582; Feb. 3.
Dodge, Milton L., Newburyport, Mass. Counter former. 2,271,682; Feb. 3.
Dole Refrigerating Company. (See Kleist, Herman W., assignor.)
Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Manufacturing lubricating oils. 2,271,683; Feb. 3.
Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Dehydrating 2-pentanone, 4-hydroxy, 4-methyl. 2,271,684; Feb. 3.
Doran, Homer M., M. A. Jackson, and A. I. Alf, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Recovery to indium. 2,271,970; Feb. 3.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Turbine bucket wheel. 2,271,971; Feb. 3.
Dornhöfer, Ewald, and Robert Obtresal, assignors to Magdeburger Werkzeug Machinenfabrik G. m. b. H., Magdeburg, Germany. Controlling device for machine tools. 2,271,583; Feb. 3.
Doughty, Eldred H., Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Crankpin bearing. 2,271,511; Feb. 3.
Dove, John A., Sutton-in-Ashfield, assignor to Barringer, Wallis & Manners, Limited, Rock Valley, Mansfield, England. Machine or apparatus for shaping metal tubes, containers, and the like. 2,272,111; Feb. 3.
Dow Chemical Company, The. (See Hanawalt, J. D., and Matheson, assignors.)
Dow Chemical Company, The. (See Moyle, Clarence L., assignor.)
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra high frequency amplifier system. 2,272,060; Feb. 3.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Hollow glass building block. 2,272,061; Feb. 3.
Draper, Charles T., Cleveland Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Making bung openings. 2,271,762; Feb. 3.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
Dray, Walter R., Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Controllable air supply for cleaners of threshers and the like. 2,272,148; Feb. 3.
Driver, Eber L., Kansas City, Mo. Tile cutting and breaking apparatus. 2,272,160; Feb. 3.
Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet controlling apparatus. 2,272,045; Feb. 3.
Dunham, Thomas M., Aurora, Ill. Catalogue binder. 2,271,734; Feb. 3.
Dunlop Rubber Company Limited. (See James, R. G., and Smith, assignors.)
Dunn, Edward L., Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator control mechanism. 2,271,998; Feb. 3.
Dunn, George E., and F. Ketcham, assignors to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,271,523; Feb. 3.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Bradshaw, G. B., and Meuly, assignors.)
Du Pont, E. I., de Nemours & Company. (See Peirce, George A., assignor.)
Duryea, O. C., Corporation. (See Simonson, Sigvard, assignor.)
Dwyer, James E., assignor to E. Frederics, Inc., New York, N. Y. Hair drier. 2,271,857; Feb. 3.
Eastman Kodak Company. (See Carroll, B. H., and Allen, assignors.)
Eastman Kodak Company. (See Carroll, Burt H., assignor.)
Eastman Kodak Company. (See Swan, Donald R., assignor.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Ebauches, S. A. (See Guyot, Henri J., assignor.)
Eckman, Pauline S., San Francisco, Calif. Adjustable attachment for bridge work. 2,271,796; Feb. 3.
Edington, William A., Shreveport, La. Stove lid lifter. 2,272,112; Feb. 3.
Edison General Electric Appliance Company. (See Hjelmgren, Charles I., assignor.)
Edison General Electric Appliance Company. (See Stoddard, Edgar S., assignor.)
Elsele, Logan, Nashville, Tenn. Hypodermic syringe. 2,271,546; Feb. 3.
Ekstrand, Sture O., Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous glow discharge device. 2,271,685; Feb. 3.
Electric & Musical Industries Limited. (See Browne, Cecil O., assignor.)
Ellis-Foster Company. (See Root, Frank B., assignor.)
Elwell-Parker Electric Company. (See Cochran, Clyde E., assignor.)
Emery Industries, Inc. (See Hathorne, B. L., and Frey, assignors.)
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Emsco Derrick & Equipment Company. (See Mansfield, Warren M., assignor.)
Engel, Phillip M., Lansdowne, and W. G. Harlow, Springfield, Pa., assignors to General Electric Company. Switching system and switch for controlling electric circuits. 2,271,972; Feb. 3.
Engel, Willem F. (See Visser, G. H., and Engel.)
Engels, Eugene O., assignor to Baker Perkins, Inc., Saginaw, Mich. Method and apparatus for discharging baked loaves of bread, cake, or the like from pans. 2,271,937; Feb. 3.
Ernst, Hans, Cincinnati, and A. H. Dall, Silverton, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Micrometer mechanism. 2,271,817; Feb. 3.
Erskine, Linwood M., trustee, et al. (See Coppus, Frans H. C., assignor.)
Etten, Nicholas L., Waterloo, Iowa. Drainboard for clothes wringers. 2,272,113; Feb. 3.
Etzrodt, Adalbert, Berlin-Siemensstadt, Germany. Electric discharge container. 2,271,938; Feb. 3.
Evleth, Earl M., Inglewood, assignor to L. C. Roney, Inc., Los Angeles, Calif. Cylinder valve. 2,271,917; Feb. 3.
Ex-Cell-O Corporation. (See Bauer, Russell E., assignor.)
Fabry, Rae H., joint tenant, et al. (See Norris, William A., assignor.)
Fabry, William H., joint tenant, et al. (See Norris, William A., assignor.)
Fanning, Ernest W. (See McRae, G. H., and Fanning.)
Farrel-Birmingham Company, Inc. (See Hultgren, Gunnar V., assignor.)
Fein, Julius. (See Baribault, Lucien J., assignor.)
Fellom, Roy, San Francisco, Calif. Wall construction. 2,271,584; Feb. 3.
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Under seat automobile heater. 2,272,046; Feb. 3.
Finholm, William S., New York, N. Y. Piano action. 2,271,633; Feb. 3.
Firestone Tire & Rubber Company, The. (See Carr, Edward L., assignor.)
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Combination flatiron and clothes dampener. 2,271,686; Feb. 3.
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Combination flatiron and clothes dampener. 2,271,687; Feb. 3.
Fitzsimmons, Richard R., Chicago, and G. A. Brace, Winnetka, Ill., assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,547; Feb. 3.
Fixler Bros. (See Fixler, Maurice, assignor.)
Fixler, Maurice, assignor, by mesne assignments, to Fixler Bros., Chicago, Ill. Making an article of manufacture. 2,272,149; Feb. 3.
Fleming, Mildred, executrix. (See Fleming, Rives, assignor.)

Fleming, Rives, Richmond, Va., deceased; M. C. Fleming, executrix. Stove having a griddle top. 2,271,585; Feb. 3.
Fletcher, James, Akron, and E. C. Huge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Fluid separator. 2,271,634; Feb. 3.
Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Dry cleaning composition and method. 2,271,635; Feb. 3.
Forster, John S., Pittsburgh, and S. W. Herwald, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable speed friction drive. 2,271,688; Feb. 3.
Fowler, Harlan D., San Diego, Calif. Duplex aileron control. 2,271,763; Feb. 3.
Fox River Tractor Company. (See Saiberlich, Erwin W., assignor.)
Francis, John G., assignor to Chamberlain, Inc., Chicago, Ill. Lamp globe. 2,271,836; Feb. 3.
Frederickson, Clayton E., Chicago, Ill. Differential mechanism. 2,272,161; Feb. 3.
Frederics, E., Inc. (See Dwyer, James E., assignor.)
Fredrickson, Edward A. (See Newman, T. P., Marchand, and Fredrickson.)
Fredrickson, Edward A., Chicago, and R. H. Zinkil, Oak Park, assignors to Crane Co., Chicago, Ill. Combined waste and overflow mechanism. 2,271,837; Feb. 3.
Freeman, Andrew F., Bogalusa, La., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office. Insecticide. 2,272,047; Feb. 3.
Frey, Henry. (See Hathorne, B. L., and Frey.)
Fritz, Edward M., assignor to Grand Rapids Cabinet Company, Grand Rapids, Mich. Illuminated display sign. 2,271,689; Feb. 3.
Frolich, Per K., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of hydrocarbon polymers and products thereof. 2,271,636; Feb. 3.
Fromm Laboratories, Inc. (See Green, Robert G., assignor.)
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller, Everett W. (See James, W. H., and Fuller.)
Furstenberg, Lucie J., trustee. (See Clements, Louis F., assignor.)
Galvao, Joseph A. C., Brooklyn, N. Y. Shaving device. 2,271,858; Feb. 3.
Gardner-Richardson Company, The. (See von Sydow, R. W., and Sooy, assignors.)
Gariepy, Leo, Woonsocket, R. I. Emulsion tank and stain roll. 2,271,999; Feb. 3.
Garrett, Henry U., assignor to The Gulberson Corporation, Dallas, Tex. Two stage intermitter. 2,271,859; Feb. 3.
Garrison, John R. (See Garrison, Ralph P. and J. R.)
Garrison, Ralph P. and J. R., Dayton, Ohio. Thermally controlled grinder head. 2,271,637; Feb. 3.
Gay, Cecil H. (See Langvand, I. L., and Gay.)
General Aniline & Film Corporation. (See Goldhammer, L., and Kaden, assignors.)
General Aniline & Film Corporation. (See Münz, F., and Trösken, assignors.)
General Aniline & Film Corporation. (See Neber, Max, assignor.)
General Cable Corporation. (See Buchanan, W. B., and Tebo, assignors.)
General Electric Company. (See Anderson, Jasper E., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Engel, P. M., and Harlow, assignors.)
General Electric Company. (See Gilling, Reginald S., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Kent, Milton F., assignor.)
General Electric Company. (See McNairy, J. W., and Keep, assignors.)
General Electric Company. (See Mungall, Robert W., assignor.)
General Electric Company. (See Newell, Heber L., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Mills, Inc. (See James, Thomas R., assignor.)
General Motors Corporation. (See Bluemle, Arnold A., assignor.)
General Motors Corporation. (See Candor, Robert R., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Coaxial line ultra high frequency amplifier. 2,272,062; Feb. 3.
Gerber, Dale C., and E. R. Swann, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,555; Feb. 3.
Gerich, Valentine, New York, N. Y. Convertible automobile jack and rear wheel drive motor starting device. 2,271,586; Feb. 3.
Geuder, Paeschke & Frey Co. (See Merner, John, assignor.)
Gilling, Reginald S., Rugby, England, assignor to General Electric Company. Electric heater. 2,271,973; Feb. 3.
Glabe, Elmer F. (See Bauer, H. F., and Glabe.)
Gleason Works. (See Slayton, Ensign T., assignor.)
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gloss, Gunter H. (See Collins, N. R., and Gloss.)
Glowka, Martin, New York, N. Y. Sanitary silent garbage can. 2,271,918; Feb. 3.
Godfrey Manufacturing Corp. (See Johns, Winthrop A., assignor.)
Goffredo, John, Roseto, Pa. Oil burner accessory. 2,271,690; Feb. 3.
Goldhammer, Leo, and W. Kaden, Munich, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Claw mechanism for motion picture apparatus. 2,272,000; Feb. 3.
Goldsby, Arthur R., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,271,860; Feb. 3.
Goode, Hendrik, Sr., Rotterdam, Netherlands. Protective face shield for masks. 2,272,001; Feb. 3.
Goodman Manufacturing Company. (See Hagenbook, Loy D., assignor.)
Goodrich, B. F., Company, The. (See Colley, Russell S., assignor.)
Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
Goodrich, B. F., Company, The. (See Sloan, Arthur W., assignor.)
Goss, Worth C., Seattle, Wash. Treating alcoholic beverages. 2,271,797; Feb. 3.
Gould, James, Jr., assignor to The Miller Company, Meriden, Conn. Portable lamp. 2,272,085; Feb. 3.
Gouldbourn, Joseph, and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clutch. 2,271,548; Feb. 3.
Grand Rapids Cabinet Company. (See Fritz, Edward M., assignor.)
Grasshof, Harald, Berlin-Zehlendorf, and E. Schlumberger, Berlin-Lichterfelde, Germany. Paper-sizing medium and its production. 2,271,691; Feb. 3.
Grasshof, Herbert. (See Keunecke, E., and Grasshof.)
Green, Robert G., Minneapolis, Minn., assignor to Fromm Laboratories, Inc., Hamburg, Wis. Distemper vaccine and preparing the same. 2,271,818; Feb. 3.
Green, Robert G., Minneapolis, Minn., assignor to Fromm Laboratories, Inc., Hamburg, Wis. Distemper vaccine and preparing the same. 2,271,819; Feb. 3.
Green, Samuel G. (See Taylor, G. M., Bradshaw, and Green.)
Greiner, Anton F., Detroit, Mich. Power transmitting mechanism. 2,271,974; Feb. 3.
Griffiths, Warren P., Trenton, N. J. Washboard. 2,271,512; Feb. 3.
Grimths, Warren P., Trenton, N. J. Reciprocating mechanism. 2,271,513; Feb. 3.
Grissom, Roy P. (See Shipman, C. N., and Grissom, assignors.)
Guest, Howard L., Roseville, assignor of seventy-five per cent to L. A. Gunther, Robbins, Calif. Germicide. 2,271,638; Feb. 3.
Gulberson Corporation, The. (See Garrett, Henry U., assignor.)
Gunther, L. A. (See Guest, Howard L., assignor.)
Guyot, Henri J., assignor to the firm Ebauches S. A., Neuchatel, Switzerland. Watch. 2,271,593; Feb. 3.
Haag, Emil G. (See Cleveland, A. B., Haag, and Ray.)
Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Headstock. 2,272,048; Feb. 3.
Haber, Daniel B., Mansfield, Ohio. Average finder. 2,272,002; Feb. 3.
Hadlock, Harvey D. (See Smith, G. P., and Hadlock.)
Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Draft device. 2,272,049; Feb. 3.
Haist, Wade E., Aurora, Ill., and P. F. Thomas, La Crosse, Wis. Tie nipper. 2,272,114; Feb. 3.
Halkyard, Charles C., assignor to Hume Pipe Company (Australia) Limited, Melbourne, Victoria, Australia. Rubber ring pipe joint. 2,272,115; Feb. 3.
Hall, Charles R., U. S. Army. Flagstaff. 2,271,609; Feb. 3.
Hall, Chester I., Schenectady, N. Y., assignor to General Electric Company. Temperature responsive device. 2,271,975; Feb. 3.
Hall, Wesley F., assignor to Hanson-van Winkle-Munning Company, Matawan, N. J. Machine for electro-processing metal strip. 2,271,735; Feb. 3.
Hall, Wesley F., assignor to Hanson-van Winkle-Munning Company, Matawan, N. J. Strip treating apparatus. 2,271,736; Feb. 3.
Hamilton, James L., Kirkwood, assignor to Century Electric Company, St. Louis, Mo. Lubricated bearing. 2,271,820; Feb. 3.

Hanawalt, Joseph D., and L. A. Matheson, assignors to The Dow Chemical Company, Midland, Mich. Electric furnace resistor element. 2,271,838; Feb. 3.
Hanna, William T., Cincinnati, Ohio. Stoker mechanism. 2,271,939; Feb. 3.
Hansen, William W. (See Varian, R. H., Hansen, and Applegate.)
Hanson, Harry, Menomonie, Wis. Paper carton cutter. 2,272,116; Feb. 3.
Hanson-Van Winkle-Munning Company. (See Hall, Wesley F., assignor.)
Harbor Box & Lumber Co. (See Liggins, William H., assignor.)
Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,271,639; Feb. 3.
Harlow, Winton G. (See Engel, P. M., and Harlow.)
Harris, Floyd M., Merchantville, N. J. Cleaning swab. 2,271,861; Feb. 3.
Harris, Milton H., Brooklyn, N. Y. Book. 2,272,086; Feb. 3.
Hart, George L., Mitchell, Ind. Tool supporting frame. 2,271,821; Feb. 3.
Hartman, Frank E., Highland Park, Ill., assignor to G. H. Bergman. Apparatus for treating liquids with electrical discharges. 2,271,895; Feb. 3.
Harvey, Frank. (See Anderson, W. C., and Harvey.)
Hasbrouck, Harold J., Jr., Merchantville, N. J., and S. E. Bartelson, Indianapolis, Ind., assignors to Radio Corporation of America. Phonograph apparatus. 2,271,976; Feb. 3.
Hasslacher, Carl A., Scarsdale, N. Y., and H. W. Rimbach, East Orange, N. J., assignors to Technico, Inc., New York, N. Y. Retouching solution. 2,272,117; Feb. 3.
Hathorne, Berkeley L., Mahopac, N. Y., and H. Frey, Kingston, Pa., assignors to Emery Industries, Inc., Cincinnati, Ohio. Creped textile fabric. 2,271,885; Feb. 3.
Haynes, George P., Rockville Centre, assignor to Todd Combustion Equipment, Inc., New York, N. Y. Air register. 2,271,587; Feb. 3.
Hazel-Atlas Glass Company. (See Hendrickson, Jack L., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Hecht, Arthur. (See Hecht, W., and Rybold, assignors.)
Hecht, William, and L. M. Rybold, assignors to A. Hecht, La Crosse, Wis. Switch. 2,271,588; Feb. 3.
Heil, Carl E., Lakewood, Ohio. Jet. 2,271,764; Feb. 3.
Heine, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Electric tilting device. 2,271,518; Feb. 3.
Heintz, Ralph M., Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Power transmission device. 2,271,640; Feb. 3.
Heintz, Ralph M., Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Brush-lifting relay. 2,271,737; Feb. 3.
Hem, Halvor W., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scale. 2,272,150; Feb. 3.
Henderson, Adam, assignor to McElroy Company, Houston, Tex. Pipe joint protector. 2,271,549; Feb. 3.
Hendrickson, Jack L., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Auxiliary sponge container. 2,271,589; Feb. 3.
Hendrickson, Jack L., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Auxiliary sponge container. 2,271,590; Feb. 3.
Hensel, Franz R., and Kenneth L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting member. 2,272,063; Feb. 3.
Hercules Powder Company. (See Moore, Malcolm C., assignor.)
Hercules Powder Company. (See Traylor, Waldorf S., assignor.)
Hermanspann, Paul, and R. Weber, Leipzig, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Optical and acoustic indicator for directional receivers. 2,271,550; Feb. 3.
Hertzberg, Dorothy, Detroit, Mich., now by decree of court Dorothy Phillips. Hairbrush. 2,272,151; Feb. 3.
Herwald, Seymour W. (See Forster, J. S., and Herwald.)
Hewel, Frank B., Pittsburgh, Pa. Terminal connector. 2,271,692; Feb. 3.
Hickman, Raymond C., Warren, Minn. Power rake. 2,271,591; Feb. 3.
Hildebrand, Virginia L., Sacramento, Calif. Bobbie pin opener. 2,271,765; Feb. 3.
Hill-Clarke Machinery Co. (See Wigglesworth, A. W., and Mons, assignors.)
Hillenbrand, William. (See Baldwin, J., and Hillenbrand.)
Hills, Olive E., Pampa, Tex. Bowl. 2,271,822; Feb. 3.
Hilpert, Meier G., Bethlehem, Pa. Composite panel and steel element therefor. 2,271,592; Feb. 3.
Hjelmgren, Charles I., Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc. Electric heater. 2,271,977; Feb. 3.
Hjelmgren, Charles I., Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc. Electric heater. 2,271,978; Feb. 3.
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hodgdon, Newel F., Cedar Rapids, Iowa. Pasteurizing device. 2,271,862; Feb. 3.
Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Die for cutting taper threads. 2,271,641; Feb. 3.
Holland, Lowell C., Lexington, Nebr. Clutch band. 2,272,003; Feb. 3.
Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Static pressure measuring tube. 2,271,863; Feb. 3.
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Method and apparatus for purifying gases. 2,271,642; Feb. 3.
Honnell, Pierre M., and L. W. Dickerson, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Seismic wave detector. 2,271,864; Feb. 3.
Hoover Company, The. (See Berg, Quentin, assignor.)
Hoover Company, The. (See Boyle, R. S., and Taylor, assignors.)
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Coons, C. C., and Cummings, assignors.)
Hoover Company, The. (See Cummings, Stanley R., assignor.)
Hoover Company, The. (See Fitzsimmons, R. R., and Brace, assignors.)
Hoover Company, The. (See Gerber, D. C., and Swann, assignors.)
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See MacFarland, Charles H., assignor.)
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Nelson, R. S., and Nesselmann, assignors.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Tucker, Wilmer H., assignor.)
Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,551; Feb. 3.
Horowitz, Alexander, Eindhoven, Netherlands, assignor to Radio Corporation of America. Control apparatus for signaling apparatus. 2,272,050; Feb. 3.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Engine accessory system. 2,272,037; Feb. 3.
Hossfeld, Albert, Winona, Minn. Drilling machine. 2,272,087; Feb. 3.
Houde Engineering Corporation. (See Bliss, Sherwood C., assignor.)
House, Samuel G., Miami, Fla. Dual fuse block. 2,271,693; Feb. 3.
Howe, Benjamin V., and G. A. Izett, Denver, Colo. Sewage plant. 2,272,004; Feb. 3.
Hudson, Waller C., Helen, Ga. Concentrator. 2,272,005; Feb. 3.
Huebotter, Harry A., Flint, Mich. Engine. 2,271,766; Feb. 3.
Huge, Ernest C. (See Fletcher, J., and Huge.)
Hughes, Arthur J., et al. (See Sproule, Donald O., assignor.)
Hughes, Henry, & Son, Limited, et al. (See Sproule, Donald O., assignor.)
Hull, Paul M. (See Dieter, W. G., Ritton, and Hull.)
Hultgren, Gunnar V., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Roll grinder. 2,272,088; Feb. 3.
Hume Pipe Company (Australia) Limited. (See Halkyard, Charles C., assignor.)
Hummel, Robert R., East Cleveland, Ohio. Apparatus for forming confections. 2,271,767; Feb. 3.
Hundertmark, Conrad, Yemassee, S. C. Lawn sprinkler. 2,271,823; Feb. 3.
Hyer, Elmer A., Modesto, Calif. Scraper. 2,272,006; Feb. 3.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Ilford Limited. (See Kendall, John D., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imse, Philip J., and Regis A. Seidenstricker, assignors to Chain Belt Company, Milwaukee, Wis. Self-aligning bearing. 2,272,118; Feb. 3.
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
International Standard Electric Corporation. (See Reeves, Alec H., assignor.)
Isaacson Iron Works. (See Allin, George S., assignor.)
Izett, Glen A. (See Howe, B. V., and Izett.)
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Jackson, Meryl A. (See Doran, H. M., Jackson, and Alf.)
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,271,643; Feb. 3.

Jaeckel, Georg, Berlin-Lichterfelde, assignor to the firm Sendlinger Optische Glaswerke G. m. b. H., Berlin-Zehlendorf, Germany. Lens and the manufacture thereof. 2,272,119; Feb. 3.
James Manufacturing Company. (See Waterman, Arthur E., assignor.)
James, Robert G., and S. F. Smith, Wylde Green, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Assembling rubber filaments into thread. 2,271,865; Feb. 3.
James, Thomas R., Minneapolis, Minn., assignor to General Mills, Inc. Food processing machine. 2,272,007; Feb. 3.
James, William H., and E. W. Fuller, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Stabilized hydrocarbon. 2,271,940; Feb. 3.
Jandasek, Joseph, Cicero, Ill. Turbine torque converter. 2,271,919; Feb. 3.
Javery, Frank B., and R. C. Longvall assignors to Warp Compressing Machine Company, Worcester, Mass. Holder for yarn packages. 2,272,120; Feb. 3.
Jaynes, Isaac M., Jackson, Tenn. Thermostatic valve. 2,271,644; Feb. 3.
Jenkins, Cecil. (See Woolslayer, H. J., Campbell, and Jenkins.)
Jensen, Louis, Chicago, Ill. assignor to United Autographic Register Co. Carbon holder for manifolding machines. 2,272,121; Feb. 3.
Johns, Winthrop A., Belle Mead, assignor to Godfrey Manufacturing Corp. New Brunswick, N. J. Pneumatic control device. 2,271,824; Feb. 3.
Johnson, John E. (See Day, H. G., and Johnson.)
Johnson Service Company. (See Scharpf, Otto, assignor.)
Johnson Albert M., assignor to Barnes Drill Co., Rockford, Ill. Honing machine. 2,271,768; Feb. 3.
Johnson, James H., Kansas City, Mo. Duster. 2,271,694; Feb. 3.
Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Conditioned well drilling fluid. 2,271,695; Feb. 3.
Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Conditioned well drilling fluid. 2,271,696; Feb. 3.
Jones, Ruel A., Covington, Ky. Soap press. 2,271,979; Feb. 3.
Juzl, Viktor, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Steam power plant employing steam generators of the flow-through type. 2,271,886; Feb. 3.
Kaden, Willy. (See Goldhammer, L., and Kaden.)
Kalbeck, Martin S., Buffao, N. Y. Ratchet for screw drivers. 2,271,887; Feb. 3.
Kanalz, Karl H., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Pumping mechanism. 2,271,594; Feb. 3.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,271,645; Feb. 3.
Karius, William. (See Demarest, D. D., Berendt, and Karius.)
Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Control of contact catalytic reactions. 2,271,646; Feb. 3.
Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Car coupler. 2,271,839; Feb. 3.
Kayser, Daniel. (See Bethenod, J., and Kayser.)
Keall, Frank B. (See Gouldbourn, J., and Keall.)
Keep, Otto A. (See McNairy, J. W., and Keep.)
Kehle, Ottmar A., West Los Angeles, Calif., assignor, by mesne assignments, to Sterling Tool Products Company. Rubbing device. 2,272,008; Feb. 3.
Keller, Henry C., Syracuse, N. Y., and S. L. G. Knox, Englewood, N. J., assignors, by mesne assignments, to Lamson Corporation, De Witt, N. Y. Apparatus for compacting folded goods. 2,272,009; Feb. 3.
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Recording of alternating current impulses. 2,271,980; Feb. 3.
Kemmitt, Selma E., Glendale, Calif. Garment hanger. 2,271,941; Feb. 3.
Kendall, John D., assignor to Ilford Limited, Ilford, England. Methine dyestuffs. 2,272,163; Feb. 3.
Kent, Milton F., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,271,981; Feb. 3.
Kerkam, John F., Washington, D. C. Harness bracket for fishing rods. 2,272,010; Feb. 3.
Kern, Walter, Sissach, and R. Tobler, Riehen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Chrysene derivatives and making same. 2,272,011; Feb. 3.
Kern, Walter, Sissach, and R. Tobler, Riehen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Nitrogenous condensation products. 2,272,012; Feb. 3.
Ketcham, Frank. (See Dunn, G. E., and Ketcham.)
Keunecke, Emil, Ludwigshafen-on-the-Rhine, and H. Grasshof, Mannheim, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Polymerization of gaseous olefins. 2,271,942; Feb. 3.
Kida, Yasuzo, Tokyo, Japan. Mining. 2,272,013; Feb. 3.
Kieft, Abram T., Grand Haven, Mich. Dish supporting bracket. 2,271,769; Feb. 3.
Killefer Manufacturing Corporation. (See Thomas, T. M., Wadelton, and Sjogren, assignors.)
Killman, Robert T. and T. A., Nashville, Tenn. Automatic nozzle. 2,271,557; Feb. 3.
Killman, Thomas A. (See Killman, Robert T. and T. A.)
Kimball, James L. (See Tobin, A. L., and Kimball.)
Kimble Glass Company. (See Anastor, Charles G., assignor.)
Kindseth, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Paper bag. 2,271,647; Feb. 3.
Kinne, Edmund P., Alliance, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,271,770; Feb. 3.
Kirkpatrick, Joseph R., South Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Switch mechanism. 2,272,064; Feb. 3.
Kirkstall Forge Limited. (See Cowell, Frederick R., assignor.)
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,558; Feb. 3.
Klein, Nicholas, and D. D. Whyte, assignors to Julius Schmid, Incorporated, New York, N. Y. Central pillar container. 2,271,943; Feb. 3.
Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Liquid cooling device. 2,271,648; Feb. 3.
Klocke, William, Woodhaven, assignor to E. W. Bliss Company, Brooklyn, N. Y. Adjustable stroke press. 2,271,771; Feb. 3.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Clutch. 2,271,559; Feb. 3.
Knox, Samuel L. G. (See Keller, H. C., and Knox.)
Knox, William H., Jr., Nashville, Tenn., assignor to Victor Chemical Works. Coating undesirably pure monocalcium phosphate for heat treatment. 2,272,014; Feb. 3.
Koehring Company. (See Heine, Ferdinand H., assignor.)
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag marking machine. 2,271,840; Feb. 3.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price marking tag. 2,271,841; Feb. 3.
Koloske, Edward W., Milwaukee, Wis., and L. S. Curtin, Belmont, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe lasting and welting machine. 2,272,065; Feb. 3.
Komenda, Erwin, Korntal, near Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Vehicle body construction. 2,271,649; Feb. 3.
Kornet, John L. (See Strohmeier, R. W., Kornet, and Cable.)
Korte, Alfred C., St. Louis, and K. Lannert, St. Johns Station, assignors to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump mounting. 2,271,560; Feb. 3.
Kraut, Max, San Francisco, Calif. Jig. 2,271,650; Feb. 3.
Kruder, William J. (See Matheson, M. E., and Kruder.)
Kucera, Henry T., Oak Park, Ill. Heat control apparatus. 2,271,651; Feb. 3.
Kuhn, John Q. (See Pfeiffer, F. J., and Kuhn.)
Lachman, Laurence S., Forest Hills, N. Y. Wear and reinforcing member for concrete floors. 2,271,920; Feb. 3.
Lackey, Alexander, Newton, Mass., assignor to The Consolidated Expanded Metals Companies, Wheeling, W. Va. Wall construction and ground device therefor. 2,272,162; Feb. 3.
La Guardia, Louis E., New York, N. Y. Dialing device for telephones. 2,272,089; Feb. 3.
Lamson Corporation. (See Keller, H. C., and Knox, assignors.)
Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel holder for heel-attaching machines. 2,271,561; Feb. 3.
Langendorf, Leone A., Los Angeles, Calif. Decorative footwear. 2,271,595; Feb. 3.
Langvand, Ivar L., Barberton, and C. H. Gay, Akron, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Welded pressure vessel. 2,271,652; Feb. 3.
Lannert, Kenneth. (See Korte, A. C., and Lannert.)
Lanyon, Samuel H., San Francisco, Calif. Furnace arch construction. 2,272,015; Feb. 3.
Larabee, Albert F., Greensburg, Pa., assignor to Pennsylvania Rubber Company. Sphere-smoothing apparatus. 2,272,090; Feb. 3.
Laros Textile Company. (See Strohmeier, R. W., Kornet, and Cable, assignors.)
Larson, Edward S., Chicago, and A. H. Reiber, Evanston, assignors to Teletype Corporation, Chicago, Ill. Divided multiplex channel. 2,271,653; Feb. 3.
La Rue, William D., Merchantville, N. J., assignor to Radio Corporation of America. Capacitor. 2,271,983; Feb. 3.
Lasker, Harry. (See Reemes, C. G., and Smith, assignors.)
Leake, James M., assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio. Rocker arm. 2,272,166; Feb. 3.

Lee, Edward C. (See Bloch, H. S., and Lee.)
Lee, John, Nutley, N. J. Producing hexahydropseudoionone. 2,272,122; Feb. 3.
Lees-Bradner Company, The. (See Bradner, Hosea T., assignor.)
Leffer, Burton R., Cleveland, Ohio, and C. E. Paine, La Grange, Ill.; said Leffer assignor to said Paine. Vertical lift bridge construction. 2,271,697; Feb. 3.
Leftwich, Mason F., Charlotte, N. C. Battery charger. 2,271,738; Feb. 3.
Leland Stanford Junior University, The. (See Varian, R. H., Hansen, and Applegate, assignors.)
Lett, R. G., et al. (See Shipman, C. N., assignor, and Grissom.)
Lewin, Jacob W., Chicago, Ill. Underfloor wiring system. 2,271,798; Feb. 3.
Lewis, Harry H., Portland, Oreg. Carbonator. 2,271,896; Feb. 3.
Libbey-Owens-Ford Glass Company. (See Dieter, W. G., Ritton, and Hull, assignors.)
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Liggins, William H., assignor to Harbor Box & Lumber Co., Los Angeles, Calif. Method and machine for strapping boxes. 2,271,596; Feb. 3.
Lingle, William H., Flint, Mich. Seat structure. 2,272,124; Feb. 3.
Link, Herbert W., Detroit, Mich. Spring testing machine. 2,271,739; Feb. 3.
Liston, Thomas R., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Recovery of hydrogen halide. 2,271,866; Feb. 3.
Little, Arthur D., Incorporated. (See Marek, Leroy F., assignor.)
Littlefield, Verne D., Beverly Hills, Calif., assignor to Armour and Company, Chicago, Ill. Meringue mixture. 2,271,654; Feb. 3.
Lodge, Lionel, Godalming, England, assignor to Western Precipitation Corporation, Los Angeles, Calif. Apparatus for electrical precipitation. 2,271,597; Feb. 3.
Loewe, Peter L., Logansport, Ind., assignor to Logansport Machine, Incorporated. Fluid actuated valve. 2,272,091; Feb. 3.
Löfwall, Karl E., Halsingborg, Sweden. Protective device for preventing persons from falling asleep at the wheel of a motor vehicle or the like. 2,271,698; Feb. 3.
Logansport Machine, Incorporated. (See Loewe, Peter L., assignor.)
Longvall, Raymond C. (See Javery, F. B., and Longvall.)
Loone, Arthur S., Concord, New South Wales, Australia. Appliance for mixing materials. 2,272,125; Feb. 3.
Lorraine Metal Manufacturing Company. (See Samelson, Lester, assignor.)
Lotz, Richard K., Brooklyn, assignor to Universal Camera Corporation, New York, N. Y. Camera shutter. 2,271,562; Feb. 3.
Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Receiver for omnidirectional beacons. 2,271,522; Feb. 3.
Luker, Jackson M., Urbana, Ill. Angel food cake package. 2,271,921; Feb. 3.
Lyon & Coulson, Inc. (See Pocock, Harry E., assignor.)
Lytle, Wayne, Hillsboro, Oreg. Engine mounting. 2,272,016; Feb. 3.
MacFarland, Charles H., Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,563; Feb. 3.
Mackahan, Rufus E., et al. (See Saffell, H. V., and Shimel, assignors.)
Maffei, Dominick A., Bayside, N. Y. System of musical notation. 2,271,772; Feb. 3.
Magdeburger Werkzeug Machinenfabrik G. m. b. H. (See Dornhöfer, E., and Obtresal, assignors.)
Magnan, Arthur J., Brainerd, Minn. Vehicle coupling. 2,271,699; Feb. 3.
Mahoney, Ruth M., Santa Monica, Calif. Maternity garment. 2,272,017; Feb. 3.
Mall, Arthur W., Flossmoor, Ill. Carriage for motors. 2,271,944; Feb. 3.
Mallory, P. R. & Co. (See Hensel, F. R., and Emmert, assignors.)
Manley, William P., Portsmouth, Ohio, assignor to Vulcan Corporation. Decorating lasts. 2,271,888; Feb. 3.
Manning, Maxwell & Moore, Inc. (See Minty, John E., assignor.)
Mansfield, Warren M., Glendale, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Counterbalance. 2,271,740; Feb. 3.
Mansfield, Warren M., Glendale, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Pitman bearing. 2,271,741; Feb. 3.
Marchand, Eugene W., Jr. (See Newman, T. P., Marchand, and Fredrickson.)
Marek, Leroy F., Lexington, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Treatment of waste pickling liquors. 2,271,524; Feb. 3.
Marine Magnesium Products Corporation. (See Collins, N. R., and Gloss, assignors.)
Maris, James C., Glenolden, Pa. Centering arrangement for locomotive trucks. 2,271,867; Feb. 3.
Marmon-Herrington Company. (See Wallace, Robert C., assignor.)
Martin, Glenn L., Company, The. (See Minor, Edward E., assignor.)
Martin, James, Higher Denham, near Uxbridge, England. Blast tube for machine guns. 2,271,700; Feb. 3.
Martin, James V., Hempstead, N. Y. Automobile guard strip. 2,271,825; Feb. 3.
Martin, Michael A., Erie, Pa. Apparatus for cooling beverages. 2,271,868; Feb. 3.
Martin Motors, Inc. (See Allen, O. F., and Szekely, assignors.)
Martin, Robert, and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Machine for pressing fabrics. 2,271,869; Feb. 3.
Maslow, Louis, Brooklyn, N. Y. Cup rack. 2,272,092; Feb. 3.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,271,870; Feb. 3.
Mast, Aquila D., Lancaster, assignor, by mesne assignments, to New Holland Machine Company, New Holland, Pa. Corn husking, shelling, and husk separating machine. 2,271,897; Feb. 3.
Mast, Aquila D., Lancaster, assignor, by mesne assignments, to New Holland Machine Company, New Holland, Pa. Corn sheller. 2,271,898; Feb. 3.
Matheson, Lorne A. (See Hanawalt, J. D., and Matheson.)
Matheson, Milan E., and W. J. Kruder, Chicago, Ill.; said Kruder assignor to said Matheson. Signal switch. 2,271,655; Feb. 3.
Maurer, Albrecht, assignor to P. I. Antrieb Werner Reimers K.-G., Bad Homburg v. d. Hohe, Germany. Machine tool. 2,271,598; Feb. 3.
Maurer, Gottfried, Zurich, assignor to the firm Muller & Cie. Aktiengesellschaft, Maschinenfabrik, Brugg, Switzerland. Conveying device. 2,271,599; Feb. 3.
Mauro, Oswald G. (See Dons, E. M., and Mauro.)
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maxwell, Thomas G., Venice, Calif. Trestle. 2,271,701; Feb. 3.
McAdam, John, & Sons, Incorporated. (See Broadmeyer, Albert, assignor.)
McCarthy, Charles S., Toledo, Ohio, assignor to The Bingham Stamping Company. Brake actuator. 2,271,799; Feb. 3.
McCartney, Charles E., Port Arthur, Tex. Milk bottle rack. 2,271,702; Feb. 3.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,272,093; Feb. 3.
McCullough, Otis J., Houston, Tex. Cable measuring device. 2,271,742; Feb. 3.
McEvoy Company. (See Henderson, Adam, assignor.)
McGraw Electric Company. (See Strauss, Alfred, assignor.)
McGuinness, Eleanor, Jackson Heights, N. Y. Safety timing traffic light. 2,271,526; Feb. 3.
McIlvried, Edwin J., Stowe, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Draw bench. 2,271,773; Feb. 3.
McLaughlin, George E., Brookline, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Press. 2,271,656; Feb. 3.
McNairy, Jacob W., Bridgeport, Conn., and O. A. Keep, Harborcreek, Pa., assignors to General Electric Company. Control system. 2,271,984; Feb. 3.
McNeill, Albert G., assignor to Bachman Brothers, Inc., Philadelphia, Pa. Combined goggle and sweatband. 2,271,703; Feb. 3.
McRae, George H., Thomaston, and E. W. Fanning, East Point, Ga. Filling cutter. 2,271,600; Feb. 3.
Meadows, George C., Elgin, Ill. Burial container. 2,271,521; Feb. 3.
Megow, George E., South Milwaukee, and H. G. Thomson, assignors to Allen-Bradley Company, Milwaukee, Wis. Molded insulated resistor. 2,271,774; Feb. 3.
Melhose, Alfred E. (See Cole, I. E., and Melhose.)
Meinhardt, Joseph H., Kansas City, Mo. Watchmaker's tool. 2,271,945; Feb. 3.
Mellor, Albert. (See Martin, R., and Mellor.)
Mercier, Jean, Neuilly-sur-Seine, France. Plant for pneumatic, hydraulic, or like fluid control. 2,271,826; Feb. 3.
Merner, John, assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Receptacle and handle therefor. 2,271,922; Feb. 3.
Meuly, Walter C. (See Bradshaw, G. B., and Meuly.)
Meussdorffer, Conrad P., Ross, Calif. Fire hose nozzle. 2,271,800; Feb. 3.
Michelang, Marie C. H. (See Poivrel, J. L., and Michelang.)
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Mid-Continent Petroleum Corporation. (See Dons, E. M., and Mauro, assignors.)
Miehle Printing Press & Manufacturing Company, The. (See Dudley, Edward F., assignor.)
Miller Company, The. (See Gould, James, Jr., assignor.)
Miller, Fred J., San Francisco, Calif. Releasing device for fishing lines. 2,271,899; Feb. 3.
Miller, Hiram A., Monroe, La. Extended bed for tall men. 2,271,601; Feb. 3.

Miller, Kay, New Brunswick, and H. P. Smith, Leonia, assignors to Joseph Dixon Crucible Company, Jersey City, N. J. Pencil. 2,272,126; Feb. 3.
Miller, Samuel C., New York, N. Y. Luminous sign electrode. 2,271,657; Feb. 3.
Miller, Samuel C., New York, N. Y. Luminous sign electrode construction. 2,271,658; Feb. 3.
Miller, Samuel S., Chicago, Ill. Transparent protective covering and the like. 2,271,946; Feb. 3.
Minor, Edward E., assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft flight control. 2,271,531; Feb. 3.
Minty, John E., Muskegon, Mich., assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc. Traveling crane. 2,271,775; Feb. 3.
Minty, John E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Soaking pit cover crane. 2,271,776; Feb. 3.
Mitchell, Herschel K., Austin, Tex., assignor to Research Corporation, New York, N. Y. Production of growth promoting substances. 2,271,872; Feb. 3.
Moeser, Frank, Snyder, N. Y. Rotary engine. 2,271,659; Feb. 3.
Moffats Limited. (See Smith, Elmore S., assignor.)
Molloy, Edward, New York, N. Y. Multilever jack. 2,271,704; Feb. 3.
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monogram Manufacturing Co. (See Wallace, Frank C., assignor.)
Mons, Elwood R. (See Wigglesworth, A. W., and Mons.)
Montgomery Brothers. (See Conant, Alan B., assignor.)
Moore, Eugenia C. and L. F., Springfield, Mass. Combination faucet and drinking fountain. 2,271,889; Feb. 3.
Moore, Laurence F. (See Moore, Eugenia C. and L. F.)
Moore, Lee C., & Company. (See Woolslayer, H. J., Campbell, and Jenkins, assignors.)
Moore, Malcolm C., assignor to Hercules Powder Company, Wilmington, Del. Lacquer emulsion. 2,272,152; Feb. 3.
Moork, Alfred C., assignor of one-third to G. Corbet, and one-third to R. H. Corbet, Chicago, Ill. Hook. 2,271,923; Feb. 3.
Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of di-chlorinated aliphatic ketones. 2,271,705; Feb. 3.
Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Heat conducting refractory materials. 2,272,038; Feb. 3.
Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Refractory composition. 2,272,039; Feb. 3.
Morris, Lloyd C. (See Schulze, W. A., and Morris.)
Morris, William C., North Chicago, assignor to Poor & Company, Chicago, Ill. Coating metal surfaces. 2,271,706; Feb. 3.
Morrison, Robert F., and E. W. Peterson, Oak Park, assignors to Ditto, Incorporated, Chicago, Ill. Moistening mechanism. 2,271,801; Feb. 3.
Morton, George A., Haddon Heights, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,271,985; Feb. 3.
Morton, George A. (See Ramberg, E. G., and Morton.)
Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Metal fabricating lubricant. 2,271,947; Feb. 3.
Mossberg Pressed Steel Corporation. (See Olson, Robert V., assignor.)
Mowbray, Robert E. L., assignor to The Cambridge Wire Cloth Company, Cambridge, Md. Screen. 2,271,900; Feb. 3.
Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Cyclic acetal. 2,272,153; Feb. 3.
Mulder, Gerard W. (See Brier, J. C., and Mulder.)
Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Flashlight. 2,272,040; Feb. 3.
Mullen, James C., Cliffside Park, assignor to Verdi Bros. Cooperage Company, North Bergen, N. J. Tap bush. 2,271,948; Feb. 3.
Mullen, James C., Cliffside Park, assignor to Verdi Bros. Cooperage Company, North Bergen, N. J. Tap bushing. 2,271,949; Feb. 3.
Mullen, James C., Cliffside Park, N. J. Unitary tap bush. 2,271,950; Feb. 3.
Muller & Cie. Aktiengesellschaft, Maschinenfabrik. (See Maurer, Gottfried, assignor.)
Müller, Reinhart, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation. Phenol formaldehyde condensation products. 2,272,154; Feb. 3.
Müller, Reinhart, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation. Preparation of phenolic condensation products. 2,272,155; Feb. 3.
Müllner, Edmund, Berlin-Lichterfelde, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Compensated scale for indicating bearings. 2,271,564; Feb. 3.
Mungall, Robert W., Schenectady, N. Y., assignor to General Electric Company. Wire coating die. 2,271,986; Feb. 3.
Munroe, Enos S., Portland, Maine. Powder distributor. 2,271,602; Feb. 3.
Munson, Elmer L. (See Davis, C. H., and Munson.)
Münz, Ferdinand, Frankfort-on-the-Main, and O. Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Wetting agent. 2,271,707; Feb. 3.
Murphy Diesel Company. (See Murphy, Moyes J., assignor.)
Murphy, Freland M., Houston, Tex. Self-reversing magnetic switch. 2,271,603; Feb. 3.
Murphy, Jerome F. (See Watson, W. A., and Smith, assignors.)
Murphy, Moyes J., Milwaukee, Wis., assignor to Murphy Diesel Company. Fuel injector. 2,272,094; Feb. 3.
Nachman, Fred A., Jr., assignor to Nachman Springfilled Corporation, Chicago, Ill. Cushion unit for upholstery and making the same. 2,271,842; Feb. 3.
Nachman Springfilled Corporation. (See Nachman, Fred A., Jr., assignor.)
Nagy, Arpád, Bryanston Square, London, England. Grinding hard metals. 2,271,743; Feb. 3.
Nathan, Herbert J., Bismarck, N. Dak. Servomotor and control apparatus therefor. 2,272,095; Feb. 3.
Nathan, Tracy D., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing structure. 2,271,777; Feb. 3.
Natoinal Acme Company, The. (See Hogg, William J., assignor.)
National Fitch Corporation. (See Norbom, Ragnar A., assignor.)
National Manufacturing Corporation. (See Brown, Clinton W., assignor.)
Neber, Max, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Producing high-molecular oxygen-containing compounds. 2,271,708; Feb. 3.
Neil, Henry A., Barrington, Ill., and R. K. Schelke, Richmond, Ind., assignors to Belden Manufacturing Company, Chicago, Ill. Strain relief and switch assembly. 2,272,164; Feb. 3.
Nelson, Rudolph S., Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,271,565; Feb. 3.
Nelson, Rudolph S., Rockford, Ill., and K. V. Nesselmann, Berlin, Siemensstadt, Germany, assignors to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,271,566; Feb. 3.
Nesselmann, Kurt V. (See Nelson, R. S., and Nesselmann.)
Nevin, James V., Aberdeen, Wash. Making plywood. 2,271,744; Feb. 3.
Newell, Heber L., Bridgeport, Conn., assignor to General Electric Company. Resistance welding apparatus. 2,271,987; Feb. 3.
New Holland Machine Company. (See Mast, Aquila D., assignor.)
Newman, Thomas P., Geneva, E. W. Marchand, Jr., Maywood, and E. A. Fredrickson, assignors to Crane Co., Chicago, Ill. Hose spray head. 2,271,843; Feb. 3.
Newport, Charles L., and H. C. Smith, Los Angeles, Calif. Sound absorbing unit. 2,271,871; Feb. 3.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nicholas, Isaac A., Pittsburgh, Pa., assignor to The Standard Lime and Stone Company, Baltimore, Md. Hot top and element for producing the same. 2,272,018; Feb. 3.
Nichols, Carl S., and W. E. Sweatt, Bruni, Tex. Barrel stand. 2,271,827; Feb. 3.
Nielsen, John V., assignor to Universal Equipment Company, Chicago, Ill. Wall panel. 2,271,924; Feb. 3.
Niles, Harry F., El Cajon, Calif. Chair. 2,271,925; Feb. 3.
Noel, Edward C., Los Angeles, Calif. Illuminated sign. 2,272,127; Feb. 3.
Norbom, Ragnar A., Clifton, N. J., assignor, by mesne assignments, to National Fitch Corporation, New York, N. Y. Demountable freight container for liquids. 2,271,660; Feb. 3.
Nordskog, Severin B., Cedar Falls, Iowa. Refrigerated case. 2,271,802; Feb. 3.
Norris, William A., Alhambra, Calif., assignor to W. H. and R. H. Fabry, as joint tenants, with right of survivorship. Air conditioner. 2,271,709; Feb. 3.
Obtresal, Robert. (See Dornhöfer, E., and Obtresal.)
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Screw and washer feeding device. 2,271,844; Feb. 3.
Olson, Gordon L., Arlington, Mass. Shaft coupling. 2,271,567; Feb. 3.
Olson, Gordon L., Arlington, Mass. Resilient torque device. 2,271,568; Feb. 3.
Olson, Harry F., Haddon Heights, N. Y., assignor to Radio Corporation of America. Electroacoustical apparatus. 2,271,988; Feb. 3.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Spool or reel. 2,272,156; Feb. 3.
Orth, George W. (See Orth, Herbert P., assignor.)
Orth, Herbert P., Merwood, assignor of one-half to G. W. Orth, Philadelphia, Pa. Building reglet. 2,271,710; Feb. 3.
Osbourne, Alain Brooklyn, N. Y. Marine propeller. 2,272,128; Feb. 3.
Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Drifting apparatus. 2,271,875; Feb. 3.
Otis Elevator Company. (See Dunn, Edward L., assignor.)
Oxweld Acetylene Company. (See Babcock, R. S., and Young, assignors.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Paine, Clifford E. (See Leffler, B. R., and Paine.)
Pallett, Alfred E., assignor to Cascelloid Limited, Leicester, England. Dolls, animals, and like figures and the manufacture of the same. 2,271,711; Feb. 3.
Palmer, Roy D., assignor to Aluminum Laboratories Limited, Montreal, Quebec, Canada. Speed indicating mechanism. 2,272,129; Feb. 3.
Palmqvist, Sven. (See Brundin, N. H., and Palmqvist.)
Palos, Sam, Argo, Ill. Electrocuting trap. 2,271,569; Feb. 3.
Pankonin, William G., Chicago, Ill. Riser for stapling machines. 2,271,926; Feb. 3.
Pankowski, Joseph, Chicago, Ill. Accordion. 2,271,604; Feb. 3.
Pardee, Harvey S., Ravinia, Ill. Pump. 2,271,570; Feb. 3.
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parkersburg Rig & Reel Company. (See Kanalz, Karl H., assignor.)
Parks, Paul B., Oak Park, and E. E. Stenzel, Chicago, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Controlled volume steam heating system. 2,271,778; Feb. 3.
Parsons, Joseph R., Gypsum, Ohio, assignor to United States Gypsum Company, Chicago, Ill. Making porous material. 2,271,845; Feb. 3.
Pauly, John, Springfield, Mass. Track forming shovel. 2,272,130; Feb. 3.
Paxton, Dan C., et al. (See (Shipman, C. N., assignor) and Grissom.)
Peacock, Frank E. (See Brisbane, E. C., and Peacock.)
Peacock, Marvin E., Camden, Ark. No-spark trash burner. 2,271,828; Feb. 3.
Pearson, John M., Swarthmore, and G. A. Smith, assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting method and apparatus. 2,271,951; Feb. 3.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray nozzle. 2,271,779; Feb. 3.
Peck, Cortez E., Dallas, Tex. Dual sash weight. 2,271,527; Feb. 3.
Peirce, George A., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sodium phosphate. 2,271,712; Feb. 3.
Pennsylvania Rubber Company. (See Larabee, Albert F., assignor.)
Perfection Stove Company. (See Kirkpatrick, Joseph R., assignor.)
Perkins, Granville A., Charleston, T. F. Carruthers, South Charleston, and J. W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Dibutyl ethers of polyglycols. 2,271,873; Feb. 3.
Peters, John, Teaneck, N. Y., assignor, by mesne assignments, to Vandercook & Sons, Chicago, Ill. Proof press. 2,271,745; Feb. 3.
Peterson, Carl D., Toledo, Ohio. Synchronizing clutch. 2,271,571; Feb. 3.
Peterson, Eric W. (See Morrison, R. F., and Peterson.)
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave system. 2,272,066; Feb. 3.
Phelps, George N., East Haddam, Conn. Necktie smoother. 2,272,051; Feb. 3.
Pfeiffer, Fred J., Mount Prospect, Ill., and J. Q. Kuhn, Newman, Kans. Attachment tool for reciprocating hammers. 2,271,803; Feb. 3.
Pfohl, Anthony J., Lockland, and C. M. Wood, Edgemont, Ohio, assignors to The Philip Carey Manufacturing Company. Pipe wrapping machine. 2,271,528; Feb. 3.
Phillips, Dorothy. (See Hertzberg, Dorothy.)
Phillips Petroleum Company. (See Schulze, W. A., and Morris, assignors.)
Phoenix Glass Company, The. (See Claspy, Hugh J., assignor.)
P. I. Antrieb Werner Reimers K.-G. (See Maurer, Albrecht, assignor.)
Pittsburgh Equitable Meter Company. (See Wakeman, Reginald L., assignor.)
Plastic Binding Corporation. (See Spinner, Isidore, assignor.)
Platt, Herbert, and C. M. Croft, Cumberland, Md., assignors to Celanese Corporation of America. Coloration of textile materials. 2,271,874; Feb. 3.
Pocock, Harry E., Snyder, assignor to Lyon & Coulson, Inc., Buffalo, N. Y. Hunting jacket. 2,272,041; Feb. 3.
Poivrel, Jean L., and M. C. H. Michelang, Paris, France. Ash tray. 2,272,067; Feb. 3.
Pollack, Dale, Haddon Heights, N. J., assignor to Radio Corporation of America. Single side band and carrier transmitter. 2,272,068; Feb. 3.
Pollard, Henry L., Petaluma, assignor to Western Condensing Company, San Francisco, Calif. Evaporating fish extract. 2,271,605; Feb. 3.
Poor & Company. (See Morris, William C., assignor.)
Porche, F., Dr. ing. h. c., K.-G. (See Komenda, Erwin, assignor.)
Powers, Milton A., Detroit, Mich. Porous product and its manufacture. 2,271,829; Feb. 3.
Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Electric circuit breaker. 2,271,989; Feb. 3.
Pritchard, Edward M. (See Deane, H. N., Pritchard, and Sherman.)
Pye, Francis W., Auckland, New Zealand. Belt drive transmission means. 2,271,830; Feb. 3.
Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic printing apparatus. 2,271,572; Feb. 3.
Radio Corporation of America. (See Bailey, Christopher E. G., assignor.)
Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Cockerell, Christopher S., assignor.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See Dow, Orville E., assignor.)
Radio Corporation of America. (See George, Ralph W., assignor.)
Radio Corporation of America. (See Horowitz, Alexandre, assignor.)
Radio Corporation of America. (See Hasbrouck, H. J., Jr., and Bartelson, assignors.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See La Rue, William D., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Morton, George A., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Pollack, Dale, assignor.)
Radio Corporation of America. (See Ramberg, E. G., and Morton, assignors.)
Radio Corporation of America. (See Reid, John D., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Seabert, John D., assignor.)
Radio Corporation of America. (See Seeley, Stuart W., assignor.)
Radio Corporation of America. (See Smith, James E., assignor.)
Radio Corporation of America. (See Wolf, Lester J., assignor.)
Raiche, Paul A., Providence, R. I., assignor to Davol Rubber Company. Punch apparatus for rubber articles. 2,272,069; Feb. 3.
Ramberg, Edward G., Haddon Heights, and G. A. Morton, Audubon, N. J., assignors to Radio Corporation of America. Electron microscope. 2,271,990; Feb. 3.
Raska, Charlie, Corpus Christi, assignor of one-half to L. J. Raska, Sinton, Tex. Agricultural apparatus. 2,271,713; Feb. 3.
Raska, Louis J. (See Raska, Charlie, assignor.)
Raus, Joseph F., Upper Darby, Pa. Quick-acting, watertight ship door. 2,271,952; Feb. 3.
Ray, Cecil L. (See Cleveland, A. B., and Haag, and Ray.)
Ray, Don, Beverly Hills, Calif. Making laminated flexible containers. 2,271,714; Feb. 3.
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Rebhan, Joseph, Nuremberg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Surge voltage protection for electrical apparatus. 2,271,890; Feb. 3.
Reemes, Claude G., and E. B. Smith, assignors of one-third to H. Lasker, Little Rock, Ark. Wheel. 2,272,019; Feb. 3.
Rees, George E. (See Snelling, W. O., and Rees.)
Reeves, Alec H., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,272,070; Feb. 3.
Reiber, Albert H. (See Larson, E. S., and Reiber.)
Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Tuning indicator system. 2,272,052; Feb. 3.
Reilly Tar & Chemical Corporation. (See Cisiak, F. E., and Wheeler, assignors.)

Remington, Leland F., assignor to Curtis & Marble Machine Company, Worcester, Mass. Loop cutting machine. 2,271,529; Feb. 3.
Republic Steel Corporation. (See Berry, R. C., and Carlton, assignors.)
Research Corporation. (See Bradley, Linn, assignor.)
Research Corporation. (See Mitchell, Herschel K., assignor.)
Resinous Products & Chemical Company, The. (See Cheetham, Harold C., assignor.)
Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Timing device. 2,271,953; Feb. 3.
Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Frequency and power factor measurement. 2,271,991; Feb. 3.
Riche, Arthur L., assignor to Micro Switch Corporation, Freeport, Ill. Snap switch. 2,272,021; Feb. 3.
Riddle, Frank H., Detroit, and L. G. Tait, St. Clair Shores, Mich., assignors, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Spark plug insulator. 2,272,071; Feb. 3.
Ridge, Guy, Bartow, Fla. Wire bound package. 2,272,020; Feb. 3.
Rimbach, Henry W. (See Hasslacher, C. A., and Rimbach.)
Ritton, William G. (See Dieter, W. G., Ritton, and Hull.)
Riverside Manufacturing Co. Inc. (See Brown, Edwin P., assignor.)
Roberts, Frank E., Los Angeles, Calif. Tubing head. 2,272,022; Feb. 3.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connector. 2,271,661; Feb. 3.
Rockhill, Roscoe R., Milwaukee, Wis. Rotary duplicator. 2,271,954; Feb. 3.
Roney, L. C., Inc. (See Evleth, Earl M., assignor.)
Root, Frank B., West Orange, N. J., assignor to Ellis-Foster Company. Solubilized gel and making same. 2,271,804; Feb. 3.
Rosner, Irving, New York, N. Y. Foundation garment. 2,272,023; Feb. 3.
Ross, Cecil J., Portland, Ore. Circumcision ring. 2,272,072; Feb. 3.
Rubissow, George A., New York, N. Y. Filtering element and new method for its manufacture. 2,271,662; Feb. 3.
Rubissow, George A., New York, N. Y. Throttle actuating device. 2,271,663; Feb. 3.
Ruggles, Klingemann Mfg. Co. (See Tobin, A. L., and Kimball, assignors.)
Russell, Francis R., Elizabeth, N. J., assignor to Standard Oil Development Company. Method and apparatus for prevention of formations in transfer lines. 2,271,955; Feb. 3.
Russell, Harold S. (See Wilson, Otto E., assignor.)
Ruthruff, Robert F., Chicago, Ill. Preparation of alkyl aluminum halides. 2,271,956; Feb. 3.
Ruzicka, Leopold, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Nuclear ketones of the cyclopentanopolyhydrophenanthrene series and making same. 2,272,131; Feb. 3.
Rybold, Louis M. (See Hecht, W., and Rybold.)
Saco-Lowell Shoups. (See Curley, R. S., and Shaw, assignors.)
Saffell, Harold V., Los Angeles, and O. W. Shimel, Glendale, assignors of one-third to R. E. Mackahan and one-third to T. D. Corcoran, Los Angeles, Calif. Atomizer valve. 2,271,715; Feb. 3.
Saiberlich, Erwin W., assignor to Fox River Tractor Company, Appleton, Wis. Feed roller for cutters. 2,271,957; Feb. 3.
Saighman, Edward S., Waverly, Mo. Tourniquet. 2,271,927; Feb. 3.
Saives, Léon, assignor to Société Anonyme dite: Societe des Aciers Fins de l'Est, Billancourt, France. Apparatus for butt welding metal sheets. 2,272,024; Feb. 3.
Salsbury Corporation. (See Salsbury, E. F., and Thostenson, assignors.)
Salsbury, Esley F., Los Angeles, and L. D. Thostenson, assignors to Salsbury Corporation, Inglewood, Calif. Seat support. 2,271,805; Feb. 3.
Salzberg, Bernard, East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,271,716; Feb. 3.
Salzer, Walter. (See Andersag, H., and Salzer.)
Samelson, Lester, assignor to Lorraine Metal Manufacturing Company, Bridgeport, Conn. Food slicer. 2,272,042; Feb. 3.
Sands, Roy G., Waukegan, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Lightning protector. 2,271,573; Feb. 3.
Sangamo Electric Company. (See Wickham, Alfred H., assignor.)
Sarchino, Dominic J., Brooklyn, N. Y. Bicycle stop signal. 2,271,664; Feb. 3.
Sargent & Company. (See Voight, Henry G., assignor.)
Savage Arms Corporation. (See Wilcox, Frederic S., assignor.)
Schaaf, George, Buffalo, N. Y. Valve. 2,272,132; Feb. 3.
Scharpf, Otto, assignor to Johnson Service Company, Milwaukee, Wis. Regulating system. 2,272,025; Feb. 3.
Schelke, Robert K. (See Neil, H. A., and Schelke.)
Schiff, Henry T., Chicago, Ill. Shaving implement. 2,271,806; Feb. 3.
Schlumberger, Ernst. (See Grasshof, H., and Schlumberger.)
Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Container closure with applicator rod and making the same. 2,271,746; Feb. 3.
Schmid, Julius, Incorporated. (See Klein, N., and Whyte, assignors.)
Schoenberger, W. J., Company, The. (See Stuckenholt, Casper S., assignor.)
Schultz, Frank R., McFadden, Wyo. Gas and water separator for wells and the like. 2,271,832; Feb. 3.
Schulze, Walter A., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Removing alkyl sulphides from sweetened hydrocarbon fluids. 2,271,665; Feb. 3.
Schumacher, Conrad R. (See Bodkin, I. S., and Schumacher.)
Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Countersinking and blind drilling machine. 2,271,717; Feb. 3.
Seabert, John D., Indianapolis, Ind., assignor to Radio Corporation of America. Loud-speaker. 2,271,525; Feb. 3.
Sears, Roebuck and Co. (See Sims, Clark D., assignor.)
Sebell, Harry, Newton, assignor of one-half to A. H. Parker, Lexington, Mass. Apparatus for tinning black plate sheets to use for forming can body blanks. 2,271,780; Feb. 3.
Secretary of Agriculture of the United States of America, and his successors in office. (See Carter, Roscoe H., assignor.)
Secretary of Agriculture of the United States of America, and to his successors in office. (See Freeman, Andrew F., assignor.)
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Remote control system. 2,271,992; Feb. 3.
Seeley, Stuart W., Bayside, N. Y., assignor to Radio Corporation of America. Television shading control circuit. 2,271,876; Feb. 3.
Seidenstricker, Regis A. (See Imse, P. J., and Seidenstricker.)
Selig, Ernest T., Jr., Kansas City, Mo. Stoker control system. 2,271,831; Feb. 3.
Sendlinger Optische Glaswerke G. m. b. H. (See Jaeckel, Georg, assignor.)
Shann, Oscar A., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,271,718; Feb. 3.
Shappirio, Sol, Washington, D. C. Metallo organo derivative. 2,272,133; Feb. 3.
Shappirio, Sol, Washington, D. C. Modified motor fuel and making same. 2,272,134; Feb. 3.
Sharples Corporation, The. (See Ambler, Charles M., Jr., assignor.)
Sharples Corporation, The. (See Brown, Charles R., assignor.)
Shaughnessey, Harry G., Detroit, Mich. Bookmark. 2,271,807; Feb. 3.
Shaw, William. (See Curley, R. S., and Shaw.)
Shaw-Walker Company, The. (See Burdick, John S., assignor.)
Shell Development Company. (See Visser, G. H., and Engel, assignors.)
Sheppard, Richard H., Hanover, Pa. Combustion chamber. 2,271,606; Feb. 3.
Sherman, Elbert W. (See Deane, H. N., Pritchard, and Sherman.)
Shimel, Orville W. (See Saffell, H. V., and Shimel.)
Shipman, Carl N., and R. P. Grissom; said Shipman assignor of sixteen and two-thirds per cent to R. G. Lett, and sixteen and two-thirds to D. C. Paxton, Oklahoma City, Okla. Thermostat controlled valve. 2,271,833; Feb. 3.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,271,958; Feb. 3.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Dam forming device. 2,272,096; Feb. 3.
Simonson, Sigvard, Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 2,271,607; Feb. 3.
Simonson, Sigvard, Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 2,271,608; Feb. 3.
Simplex Time Recorder Co. (See Deane, H. N., Pritchard, and Sherman, assignors.)
Sims, Clark D., assignor to Sears, Roebuck and Co., Chicago, Ill. Wall fixture. 2,271,928; Feb. 3.
Singer, Otto, Winchmore Hill, London, England. Self-laying track for vehicles. 2,272,135; Feb. 3.
Sjogren, Oscar W. (See Thomas, T. M., Wadelton, and Sjogren.)
Skareen, Willard C., assignor to The Bingham Stamping Company, Toledo, Ohio. Lever construction. 2,271,846; Feb. 3.
Slayton, Ensign T., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,271,781; Feb. 3.

Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,271,782; Feb. 3.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,552; Feb. 3.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,553; Feb. 3.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,271,554; Feb. 3.
Smith, Arthur E., Los Angeles, Calif. Ampoule syringe. 2,271,719; Feb. 3.
Smith, Arthur E., Los Angeles, Calif. Syringe. 2,271,720; Feb. 3.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Controlled electrical discharge device. 2,271,666; Feb. 3.
Smith, Clyde E., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lens assembly for straight line scanning. 2,272,097; Feb. 3.
Smith, Earl W. (See Watson, W. A., and Smith.)
Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Electric heater. 2,272,136; Feb. 3.
Smith, Epps B. (See Reemes, C. G., and Smith.)
Smith, George A. (See Pearson, J. M., and Smith.)
Smith, George P., and H. D. Hadlock, Lynchburg, Va. Crate hook. 2,271,901; Feb. 3.
Smith, Herbert C. (See Newport, C. L., and Smith.)
Smith, Howard P. (See Miller, K., and Smith.)
Smith, James E., Brooklyn, N. Y., assignor to Radio Corporation of America. Transmitting a plurality of signals over the same channel. 2,271,721; Feb. 3.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,272,098; Feb. 3.
Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,272,099; Feb. 3.
Smith, S. Morgan, Company. (See Brisbane, E. C., and Peacock, assignors.)
Smith, Sydney F. (See James, R. G., and Smith.)
Smitt, Henry A., Panama, C. Z. Hollow uniform-type button. 2,272,137; Feb. 3.
Snelling, Walter O., and G. E. Rees, assignors to Trojan Powder Company, Allentown, Pa. Fractionated starch nitrate. 2,271,877; Feb. 3.
Société Anonyme dite: Societe des Aciers Fins de l'Est. (See Saives, Léon, assignor.)
Société Anonyme pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva. (See Bethenod, J., and Kayser, assignors.)
Society of Chemical Industry in Basle. (See Kern, W., and Tobler, assignors.)
Socony-Vacuum Oil Company. (See James, W. H., and Fuller, assignors.)
Sooy, Walter E. (See von Sydow, R. W., and Sooy.)
Southwestern Engineering Company. (See Coulter, C. D., and Cox, assignors.)
Spaulding, A. G., & Bros. Inc. (See Dickson, J. B., and Stafford, assignors.)
Spaulding, Charles H., Springfield, Ill. Separating impurities from water. 2,272,026; Feb. 3.
Sperry-Sun Well Surveying Company. (See Pearson, J. M., and Smith, assignors.)
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Record disk. 2,272,157; Feb. 3.
Sproule, Donald O., London, assignor of one-third to A. J. Hughes, Essex, and one-third to Henry Hughes & Son Limited, London, England. Electroacoustic transmitter and the like. 2,271,667; Feb. 3.
Stafford, Raphael A. (See Dickson, J. B., and Stafford.)
Standard Lime and Stone Company, The. (See Nicholas, Isaac A., assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)
Standard Oil Development Company. (See Russell, Francis R., assignor.)
Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)
Staniforth, Albert V., Withernsea, England. Chimney, duct, and the like. 2,272,138; Feb. 3.
Stark, John S., Sharonville, assignor to Clopay Corporation, Cincinnati, Ohio. Fascia board for brackets for venetian blinds. 2,271,847; Feb. 3.
Starkey, Roy S., Warrensville, Ohio. Articulated vehicle. 2,271,808; Feb. 3.
Steel Products Engineering Company, The. (See Brehm, Charles M., assignor.)
Stein, Hall Manufacturing Company. (See Bauer, H. F., and Glabe, assignors.)
Stenzel, Emil E. (See Parks, P. B., and Stenzel.)
Sterling Tool Products Company. (See Kehle, Ottmar, assignor.)
Stewart, Albert E., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Knitting machine. 2,271,902; Feb. 3.
Stoddard, Edgar S., Berwyn, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Valve construction for washing apparatus. 2,271,993; Feb. 3.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Hitch device. 2,271,748; Feb. 3.
Strauss, Alfred, assignor, by mesne assignments, to McGraw Electric Company. Automatic toaster. 2,271,520; Feb. 3.
Strohmeier, Rowland W., and J. L. Kornet, Bethlehem, Pa., and J. Cable, Beverly Hills, Calif., assignors to Laros Textiles Company, Bethlehem, Pa. Garment. 2,271,749; Feb. 3.
Stuckenholt, Casper S., assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Ignition device or system for gas and liquid fuel burners. 2,271,903; Feb. 3.
Sulzer Freres Societe Anonyme. (See Juzi, Viktor, assignor.)
Superheater Company, The. (See Ostermann, Rudolf M., assignor.)
Sutton, Harry G., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Washing machine. 2,272,027; Feb. 3.
Sutton, John B., Pittsburgh, Pa. Round straightener. 2,271,783; Feb. 3.
Svenska Prospekterings Aktiebolaget. (See Brundin, N. H., and Palmqvist, assignors.)
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin. 2,271,668; Feb. 3.
Swann, Edward R. (See Gerber, D. C., and Swann, assignors.)
Swanson, Carl O., Minneapolis, Minn. Soap cake. 2,271,959; Feb. 3.
Sweatt, William E. (See Nichols, C. S., and Sweatt.)
Szekely, Otto E. (See Allen, O. F., and Szekely.)
Tait, Leonard G. (See Riddle, F. H., and Tait.)
Tapner, Burton M., North Scituate, R. I., assignor to Welsh Manufacturing Company. Writing instrument. 2,272,139; Feb. 3.
Taylor, Charles H. (See Boyle, R. S., and Taylor.)
Taylor, Galen M., Cooper, Tex., L. R. Bradshaw, Herndon, Va., and S. G. Green, Gray, Ga. Packing chest. 2,271,669; Feb. 3.
Taylor, George F., assignor to Carboloy Company, Inc., Detroit, Mich. Extrusion process. 2,271,960; Feb. 3.
Tcimpidis, George E., assignor to The Bradford Machine Tool Company, Cincinnati, Ohio. Indexing mechanism. 2,271,848; Feb. 3.
Tebo, Gordon B. (See Buchanan, W. B., and Tebo.)
Technico, Inc. (See Hasslacher, C. A., and Rimbach, assignors.)
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermanspann, P., and Weber, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Müllner, Edmund, assignor.)
Teletype Corporation. (See Larson, E. S., and Reiber, assignors.)
Teletype Corporation. (See Zenner, Walter J.)
Te Pas, Coletta A., administratrix. (See Te Pas, E. J., and Berg.)
Te Pas, Edmund J., Euclid, Ohio, deceased, and E. G. Berg, Erie, Pa., assignors of nineteen twentieths to said Berg and one-twentieth to said Te Pas; C. Te Pas, administratrix. Shaving device. 2,272,123; Feb. 3.
Texas Company, The. (See Cummings, Carl E., assignor.)
Texas Company, The. (See Goldsby, Arthur R., assignor.)
Texas Company, The. (See Honnell, P. M., and Dickerson, assignors.)
Textile Machine Works. (See Brumbach, Alvin L., assignor.)
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbon oil. 2,271,670; Feb. 3.
Thomas, Pernal F. (See Haist, W. E., and Thomas.)
Thomas, Thomas M., Huntington Park, E. F. Wadelton, Los Angeles, O. W. Sjogren, Huntington Park, assignors to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk gang assembly. 2,272,100; Feb. 3.
Thompson, Fred W., Denver, Colo. Laboratory balance. 2,271,809; Feb. 3.
Thomson, Homer G. (See Megow, G. E., and Thomson.)
Thornton, Alexander F., Pasadena, Calif. Fertilizer distributor. 2,271,722; Feb. 3.
Thostenson, Lewis D. (See Salsbury, E. F., and Thostenson.)
Timken Roller Bearing Company, The. (See Doughty, Eldred H., assignor.)
Tobin, Arthur L., Lynnfield, and J. L. Kimball, Danvers, assignors to Ruggles-Klingemann Mfg. Co., Salem, Mass. Fluid pressure relief valve. 2,271,516; Feb. 3.
Tobler, Richard. (See Kern, W., and Tobler.)
Todd Combustion Equipment, Inc. (See Haynes, George P., assignor.)
Toledo Scale Company. (See Hem, Halvor W., assignor.)
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Toledo Stamping and Manufacturing Company. (See Leake, James M., assignor.)
Tollison, Paul L., North Plainfield, N. J., and C. S. Caffrey, Port Washington, N. Y., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Tension controlling mechanism. 2,272,140; Feb. 3.

Trainer, James E., Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for arc welding. 2,271,723; Feb. 3.
Transparent Package Company. (See Atkinson, Ralph L., assignor.)
Traylor, Waldorf, S., Newport, assignor to Hercules Powder Company, Wilmington, Del. Coated cellulosic sheet material. 2,271,724; Feb. 3.
Trico Products Corporation. (See Buchmann, Louis, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Tritt, Charles W., Huntington Park, Calif. Hanger bracket. 2,271,784; Feb. 3.
Trojan Powder Company. (See Snelling, W. O., and Rees, assignors.)
Trösken, Otto. (See Münz, F., and Trösken.)
Trumbull Electric Manufacturing Company, The. (See Anderson, W. C., and Harvey, assignors.)
Tucker, Wilmer H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,271,574; Feb. 3.
Tunnicliff, Emma G., Boston, Mass. Measuring device. 2,271,725; Feb. 3.
Turner Tanning Machinery Company, The. (See McLaughlin, George E., assignor.)
Ulett, John, St. Louis, Mo. Light shade. 2,271,515; Feb. 3.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Union Asbestos & Rubber Company. (See Wigney, Horace M., assignor.)
Union Oil Company of California. (See Jones, Philip H., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch and Signal Company, The. (See Ash, Philip P., assignor.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United Engineering and Foundry Company. (See Bieggert, Florence C., Jr., assignor.)
United Gas Improvement Company, The. (See Wible, Joseph P., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Ashworth, F., and Whitaker, assignors.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Keall, assignors.)
United Shoe Machinery Corporation. (See Koloske, E. W., and Curtin, assignors.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United States Gypsum Company. (See Bainbridge, William W., assignor.)
United States Gypsum Company. (See Parsons, Joseph R., assignor.)
United States Hoffman Machinery Corporation. (See Sutton, Harry G., assignor.)
United States Rubber Company. (See Clarkson, Robert J., assignor.)
Universal Camera Corporation. (See Lotz, Richard K., assignor.)
Universal Equipment Company. (See Nielsen, John V., assignor.)
Universal Life Saving Corporation. (See Ball, Horatio C., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Bloch, H. S., and Lee, assignors.)
Universal Oil Products Company. (See Kanhofer, Elmer R., assignor.)
Universal Oil Products Company. (See Kassel, Louis S., assignor.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Universal Products Company Incorporated. (See Dunn, G. E., and Ketcham, assignors.)
University of Tennessee Research Corporation, The. (See Drain, Brooks D., assignor.)
Vandercook & Sons. (See Peters, John, assignor.)
Vandercook & Sons. (See Vandercook, Edward O. and D. D., assignors.)
Vandercook, David D. (See Vandercook, Edward O. and D. D.)
Vandercook, Edward O. and D. D., Evanston, assignors to Vandercook & Sons, Chicago, Ill. Proof press. 2,271,750; Feb. 3.
Van Kreveld, Arnold, assignor to Coop. Condensfabriek "Friesland," Leeuwarden, Netherlands. Homogenization of lisuid matter. 2,271,982; Feb. 3.
Van Zale, George, Bay City, Mich. Utility conveyer. 2,271,754; Feb. 3.
Vapor Car Heating Company. (See Parks, P. B., and Stenzel, assignors.)
Varian, Russell H., W. W. Hansen, and L. M. Applegate, assignors to Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High frequency electrical apparatus. 2,272,165; Feb. 3.
Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)
Venzie, Walter H., Philadelphia, Pa. Building interior construction. 2,271,929; Feb. 3.
Verdi Bros. Cooperage Company. (See Mullen, James C., assignor.)
Victor Chemical Works. (See Knox, William H., Jr., assignor.)
Visser, Gerardus H., and W. F. Engel, assignors to Shell Development Company, San Francisco, Calif. Catalyst. 2,271,751; Feb. 3.
Vogel, Leo J., Mount Lebanon, Pa. System for transporting materials. 2,271,726; Feb. 3.
Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Door lock. 2,272,101; Feb. 3.
von Sydow, Rudolf W., and W. E. Sooy, assignors to The Gardner-Richardson Company, Middletown, Ohio. Container manufacture. 2,272,073; Feb. 3.
Voorhies, Carl, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,272,074; Feb. 3.
Vreeland, Frederick K., Montclair, N. J. Receiving system for modulated waves. 2,272,075; Feb. 3.
Vulcan Corporation. (See Manley, William P., assignor.)
Wadelton, Edwin F. (See Thomas, T. M., Wadelton, and Sjogren.)
Wadsworth, Paul W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,271,878; Feb. 3.
Wakeman, Reginald L., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Liquid meter piston. 2,271,961; Feb. 3.
Waldon, Thomas J., Allentown, N. J. Instrument grinding device. 2,271,810; Feb. 3.
Wallace, Frank C., assignor to Monogram Manufacturing Co., Los Angeles, Calif. Clamp. 2,271,879; Feb. 3.
Wallace, Robert C., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Driven steering wheel unit. 2,271,849; Feb. 3.
Warp Compressing Machine Company. (See Javery, F. B., and Longvall, assignors.)
Watelet, Ermand L., Greenwood, R. I., assignor to Brown & Sharpe Manufacturing Company. Magnetic work holder. 2,271,904; Feb. 3.
Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Stitched insulation bat. 2,271,575; Feb. 3.
Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Window sash and locking device. 2,271,930; Feb. 3.
Watkins, Walter G., North Kansas City, Mo. Valve. 2,271,785; Feb. 3.
Watkins, Walter G., North Kansas City, Mo. Safety relief valve. 2,271,786; Feb. 3.
Watson, William A., Malden, and E. W. Smith, Burlington, assignors to Jerome F. Murphy, Wellesley, Mass. Piano. 2,272,076; Feb. 3.
Weber, Rudolf. (See Hermanspann, P., and Weber.)
Weckerly, Mark A., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scales. 2,272,141; Feb. 3.
Weckerly, Mark A., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scales. 2,272,142; Feb. 3.
Wege, John P., assignor to Amity Leather Products Company, West Bend, Wis. Billfold. 2,271,787; Feb. 3.
Wegner, Alfred and J., Flushing, N. Y. Method of and device for cutting stone and other materials. 2,271,905; Feb. 3.
Wegner, Julius. (See Wegner, Alfred and J.)
Weiner, David, New York, N. Y. Box. 2,271,962; Feb. 3.
Welger, Theodore A. (See Williamson, F. B., Jr., and Welger.)
Welsh and Green Incorporated. (See Brier, J. C., and Muider, assignors.)
Welsh Manufacturing Company. (See Tapner, Burton M., assignor.)
West, Victor E., Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company. Metal car roof. 2,271,514; Feb. 3.
Western Condensing Company. (See Pollard, Henry L., assignor.)
Western Precipitation Corporation. (See Lodge, Lionel, assignor.)
Westinghouse Electric & Manufacturing Company. (See de Margitta, Michael J. N., assignors.)
Westinghouse Electric & Manufacturing Company. (See Forster, J. S., and Herwald, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rebhan, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Clyde E., assignor.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Paster for cigar machines. 2,271,788; Feb. 3.
Wheeler, William R. (See Cislak, F. E., and Wheeler.)
Whitaker, Carl F. (See Ashworth, F., and Whitaker.)
White, Albert F., Toronto, Ontario, Canada, assignor to Chain Belt Company, Milwaukee, Wis. Conveyer. 2,271,789; Feb. 3.

Whitehead Bros. Rubber Co., The. (See Williamson, F. B., Jr., and Welger, assignors.)
Whyte, Daniel O. (See Klein, N., and Whyte.)
Wible, Joseph P., Philadelphia, Pa., assignor to The United Gas Improvement Company. Fractional distillation. 2,271,671; Feb. 3.
Wick, George L., Youngstown, Ohio. Film holder. 2,271,530; Feb. 3.
Wickham, Alfred H., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Prepayment mechanism. 2,271,752; Feb. 3.
Wigglesworth, Albert W., Miami Beach, Fla., and E. R. Mons, assignors to Hill-Clarke Machinery Co., Chicago, Ill. Roll grinding machine. 2,271,963; Feb. 3.
Wigney, Horace M., Bronxville, N. Y., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Portable ventilation duct for refrigerator cars. 2,272,143; Feb. 3.
Wilcox, Frederic S., Springfield, Mass., assignor to Savage Arms Corporation, New York, N. Y. Feed mechanism for repeating firearms. 2,271,576; Feb. 3.
Wilcox, Harry A., Norwalk, assignor to Automatic Signal Corporation, East Norwalk, Conn. Cyclic circuit controller. 2,271,727; Feb. 3.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,271,753; Feb. 3.
Wildman, Benjamin H., Seattle, Wash. Illumination system and method for photography. 2,272,102; Feb. 3.
Williams, Esther B., West Linn, Oreg. Carving material. 2,271,906; Feb. 3.
Williams, Thomas, Emigrant, Mont. Elevator canvas. 2,272,103; Feb. 3.
Williamson, Frederick B., Jr., New Hope, Pa., and T. A. Welger, assignors to The Whitehead Bros. Rubber Co., Trenton, N. J. Hose joint. 2,271,931; Feb. 3.
Willson, Victor. (See Zaccheo, F., and Willson.)
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Tuning indicator for carrier-signal receivers. 2,271,964; Feb. 3.
Wilson, Otto E., Peru, Ind., assignor to H. S. Russell, Chicago, Ill. Car coupling. 2,271,907; Feb. 3.
Wimbish, Raymond L., Danville, Va. Safety antibacking means for trailers. 2,272,028; Feb. 3.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,272,077; Feb. 3.
Winthrop Chemical Company. (See Andersag, H., and Salzer, assignors.)
Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Neutralising system. 2,271,519; Feb. 3.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Wood, Charles M. (See Pfohl, A. J., and Wood.)
Wood Newspaper Machinery Corporation. (See Tollison, P. L., and Caffrey, assignors.)
Wood, Wilfred R., assignor to Combustion Engineering Company, Inc., New York, N. Y. Steam generator. 2,271,880; Feb. 3.
Woodling, George V., Cleveland, Ohio. Effective temperature indicating device. 2,271,881; Feb. 3.
Woolridge Manufacturing Company. (See Clark, Gerald L., assignor.)
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Collapsible mast. 2,271,577; Feb. 3.
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Collapsible mast erection. 2,271,578; Feb. 3.
Wright, Robert E., East Cleveland, Ohio. Strainer liner. 2,271,579; Feb. 3.
Yen, Si L. (Yen Si Liang), Victoria, Hong Kong. Flashlight. 2,271,672; Feb. 3.
Young, Lloyd W. (See Babcock, R. S., and Young.)
Youngberg, Walter K., Meriden, Conn. Canape cutter. 2,271,908; Feb. 3.
Zaccheo, Ferdinando, and V. Willson, Rome, Italy. Electric rectifier. 2,272,104; Feb. 3.
Zalkind, Philip, New York, N. Y. Panel. 2,272,078; Feb. 3.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Power transmitting apparatus. 2,271,673; Feb. 3.
Zimmer, John C. (See Morway, A. J., and Zimmer.)
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Valve. 2,271,850; Feb. 3.
Zinkil, Roy H. (See Fredrickson, E. A., and Zinkil, assignors.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acoustic device. J. Q. Gaubert and J. D. Seabert. Re. 22,017; Feb. 3.

Door. A. L. Lambert. Re. 22,018; Feb. 3.

Iron, Electric steam. J. T. and C. Edwards. Re. 22,016; Feb. 3.

Lubrication apparatus. W. G. Brown. Re. 22,015; Feb. 3.

LIST OF PLANT INVENTIONS

Strawberry plant. B. D. Drain. 502; Feb. 3.

LIST OF DESIGN INVENTIONS

Airplane. E. F. Burton and W. B. Oswald. 131,295; Feb. 3.
Arch balancer. I. Herskovitz. 131,299; Feb. 3.
Article holding device to be worn on the person. E. A. Cooper. 131,325; Feb. 3.
Belt, Power transmission. R. Y. Case. 131,340; Feb. 3.
Bottle. R. A. Blunt. 131,294; Feb. 3.
Bottle. W. S. Miller. 131,303; Feb. 3.
Bowl or similar article, Manicure. A. E. Sutton. 131,311; Feb. 3.
Cap. S. Rosenberg. 131,333; Feb. 3.
Cap and clip for a mechanical pencil or similar article, Combined. H. A. Bauer. 131,281; Feb. 3.
Cape or similar article. M. Levitt. 131,319; Feb. 3.
Certificate, Service. F. F. Arenz. 131,292; Feb. 3.
Clasp, Tie. R. J. Vernon. 131,288; Feb. 3.
Clock, Electric. H. Triguba. 131,335–6; Feb. 3.
Corer and slicer, Combined fruit. H. W. Jacobsen. 131,301; Feb. 3.
Dress. S. Faden. 131,326–7; Feb. 3.
Dress. B. Greene. 131,329; Feb. 3.
Dress. L. Hoshafian. 131,330–1; Feb. 3.
Dress. M. Parnis. 131,332; Feb. 3.
Dress. M. E. Tetreault. 131,334; Feb. 3.
Dress or similar article, Costume. M. Miller. 131,285; Feb. 3.
Fabric or similar article, Embroidered needlework. M. Fixler. 131,272–5; Feb. 3.
Fabric, Textile. J. H. Abt. 131,323–4; Feb. 3.
Fabric, Textile. J. E. Maisch. 131,320–1; Feb. 3.
Fabric, Textile. D. Selver. 131,308; Feb. 3.
Floor surfacing machine. H. J. Pond. 131,286; Feb. 3.
Fruit juicer. J. O. Reinecke. 131,305–6; Feb. 3.
Index and calendar, Combination alphabetical. B. Weinkrantz. 131,313; Feb. 3.
Kitchen reminder. G. M. Spowers. 131,277; Feb. 3.
Label for a toy motor mounting or similar article. H. D. Finberg. 131,298; Feb. 3.
Lace. I. Zendman, Jr. 131,339; Feb. 3.
Lamp. S. W. Rosenthal. 131,287; Feb. 3.
Pin. E. C. Hogg. 131,300; Feb. 3.
Plate, Salad. I. B. Donovan. 131,297; Feb. 3.
Propeller, Fan. F. G. Collura. 131,271; Feb. 3.
Register, Cash. J. Barofsky. 131,280; Feb. 3.
Settee. A. L. Henkel and B. M. Ewing. 131,276; Feb. 3.
Shoe. C. Kliche. 131,302; Feb. 3.
Shoe. D. E. Levin. 131,318; Feb. 3.
Shoe. J. Pen. 131,304; Feb. 3.
Shoe. H. Le R. Sutcliffe. 131,309–10; Feb. 3.
Shoe. R. Vivier. 131,289–91; Feb. 3.
Shoe or similar article. N. Elkin. 131,282–3; Feb. 3.
Shoe or similar article. C. Kliche. 131,317; Feb. 3.
Skirt. S. H. Geffner. 131,328; Feb. 3.
Soap, Cake of. G. D. Voorhis. 131,278; Feb. 3.
Thermostat, Room. J. F. Barnes, J. O. Reinecke, and R. W. Johnson. 131,293; Feb. 3.
Tie-clip and nail file, Combined. J. M. Weiss. 131,337–8; Feb. 3.
Tire, Pneumatic. S. P. Thacher. 131,312; Feb. 3.
Tool, Valve refacing and reseating. O. O. Rothe and L. Diebel. 131,307; Feb. 3.
Trailer. B. A. Vietti. 131,322; Feb. 3.
Transformer. E. J. Zelt. 131,314; Feb. 3.
Truck, Industrial. E. W. Weaver and J. G. Rideout. 131,279; Feb. 3.
Truck, Laboratory apparatus hand. M. Dann. 131,316; Feb. 3.
Umbrella or similar article. F. Miller. 131,284; Feb. 3.
Vase. A. Zimmerman. 131,315; Feb. 3.
Vending device. M. K. Davis. 131,296; Feb. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion. J. Pankowski. 2,271,604; Feb. 3.
Acetal, Cyclic. C. L. Moyle. 2,272,153; Feb. 3.
Adjustable seat. D. E. Crabb. 2,271,913; Feb. 3.
Adjustable stroke press. W. Klocke. 2,271,771; Feb. 3.
Agricultural apparatus. C. Raska. 2,271,713; Feb. 3.
Air conditioning apparatus. R. R. Candor. 2,272,083; Feb. 3.
Air, Means for treating. A. B. Conant. 2,271,792; Feb. 3.
Aileron control, Duplex. H. D. Fowler. 2,271,763; Feb. 3.
Air conditioner. W. A. Norris. 2,271,709; Feb. 3.
Aircraft flight control. E. E. Minor. 2,271,531; Feb. 3.
Air register. G. P. Haynes. 2,271,587; Feb. 3.
Air supply system, Combustion. J. H. Clark. 2,271,733; Feb. 3.
Air supply for cleaners of threshers and the like, Controllable. W. R. Dray. 2,272,148; Feb. 3.
Alcoholic beverages, Treating. W. C. Goss. 2,271,797; Feb. 3.
Alkyl sulphides from sweetened hydrocarbon fluids, Removing. W. A. Schulze and L. C. Morris. 2,271,665; Feb. 3.
Alloy. C. H. Davis and E. L. Munson. 2,271,969; Feb. 3.
Amplifier, Coaxial line ultra high frequency. R. W. George. 2,272,062; Feb. 3.
Amplifier system, Ultra high frequency. O. E. Dow. 2,272,060; Feb. 3.
Animal trap. A. M. Cameron. 2,271,996; Feb. 3.
Apparatus for arc welding. J. E. Trainer. 2,271,723; Feb. 3.
Apparatus for butt welding metal sheets. L. Saives. 2,272,024; Feb. 3.
Apparatus for compacting folded goods. H. C. Keller and S. L. G. Knox. 2,272,009; Feb. 3.
Apparatus for cooling beverages. M. A. Martin. 2,271,868; Feb. 3.
Apparatus for electrical precipitation. L. Lodge. 2,271,597; Feb. 3.
Apparatus for facilitating the performance of series of spectrum analyses. N. H. Brundin and S. Palmqvist. 2,271,893; Feb. 3.
Apparatus for forming confections. R. R. Hummel. 2,271,767; Feb. 3.
Apparatus for multiple heat treating. F. S. Denneen and W. C. Dunn. 2,271,916; Feb. 3.
Apparatus for preventing the accumulation of ice. R. S. Colley. 2,271,760; Feb. 3.
Apparatus for steam curing. A. B. Cleveland, E. G. Haag, and C. L. Ray. 2,271,855; Feb. 3.
Apparatus for tinning black plate sheets to use for forming can body blanks. H. Sebell. 2,271,780; Feb. 3.
Apparatus for treating liquids with electrical discharges. F. E. Hartman. 2,271,895; Feb. 3.
Appliance for mixing materials. A. S. Loone. 2,272,125; Feb. 3.
Article of manufacture, Making. M. Fixler. 2,272,149; Feb. 3.
Articulated vehicle. R. S. Starkey. 2,271,808; Feb. 3.
Ash tray. J. L. Poivrel and M. C. H. Michelang. 2,272,067; Feb. 3.
Automobile guard strip. J. V. Martin. 2,271,825; Feb. 3.
Automobile heater, Under seat. H. J. Findley. 2,272,046; Feb. 3.
Automobile tray device. A. G. Blair. 2,271,884; Feb. 3.
Atomizer valve. H. V. Saffell and O. W. Shimel. 2,271,715; Feb. 3.
Average finder. D. B. Haber. 2,272,002; Feb. 3.
Bag: *See*—
Paper bag.
Bakery products, Preparation of. H. F. Bauer and E. F. Glabe. 2,271,756; Feb. 3.
Balance, Laboratory. F. W. Thompson. 2,271,809; Feb. 3.
Barrel stand. C. S. Nichols and W. E. Sweatt. 2,271,827; Feb. 3.
Basket making apparatus. E. P. Brown. 2,272,109; Feb. 3.
Battery charger. M. F. Leftwich. 2,271,738; Feb. 3.
Bearing: *See*—
Crankpin bearing. Pitman bearing.
Lubricated bearing. Self-aligning bearing.
Bearing and seal. B. A. Benson. 2,272,029; Feb. 3.
Bearing construction for knitting machines. A. L. Brumbach. 2,271,852; Feb. 3.
Bed for tall men, Extended. H. A. Miller. 2,271,601; Feb. 3.
Belt drive transmission means. F. W. Pye. 2,271,830; Feb. 3.
Bench, Draw. E. J. McIlvried. 2,271,773; Feb. 3.
Bicycle stop signal. D. J. Sarchino. 2,271,664; Feb. 3.
Billfold. J. P. Wege. 2,271,787; Feb. 3.
Blast tube for machine guns. J. Martin. 2,271,700; Feb. 3.
Block: *See*—
Building block. Dual fuse block.
Blower, Induced draft. F. H. C. Coppus. 2,271,627; Feb. 3.
Board for brackets for Venetian blinds, Fascia. J. S. Stark. 2,271,847; Feb. 3.
Book. M. H. Harris. 2,272,086; Feb. 3.
Bookmark. H. G. Shaughnessey. 2,271,807; Feb. 3.
Bowl. O. E. Hills. 2,271,822; Feb. 3.
Box. D. Weiner. 2,271,962; Feb. 3.
Boxes, Method and machine for strapping. W. H. Liggins. 2,271,596; Feb. 3.
Bracket: *See*—
Dish supporting bracket. Hanger bracket.
Bracket for fishing rods, Harness. J. F. Kerkam. 2,272,010; Feb. 3.
Brake: *See*—
Internal expanding brake.
Brake actuator. C. S. McCarthy. 2,271,799; Feb. 3.
Brake gear safety device. R. B. Cottrell. 2,271,628; Feb. 3.
Brake valve, Self-lubricating. C. A. Campbell. 2,271,894; Feb. 3.
Branner. F. C. Biggert, Jr. 2,271,537; Feb. 3.
Bridge construction, Vertical lift. B. R. Leffler and C. E. Paine. 2,271,697; Feb. 3.
Bridge work, Adjustable attachment for. P. S. Eckman. 2,271,796; Feb. 3.
Brush-lifting relay. R. M. Heintz. 2,271,737; Feb. 3.
Brush strip. H. Cave. 2,271,835; Feb. 3.
Building block, Hollow glass. J. L. Drake. 2,272,061; Feb. 3.
Building interior construction. W. H. Venzie. 2,271,929; Feb. 3.
Building reglet. H. P. Orth. 2,271,710; Feb. 3.
Bundling of slats and similar units. O. J. Diehl. 2,271,632; Feb. 3.
Bung openings, Making. C. T. Draper. 2,271,762; Feb. 3.
Burial container. G. C. Meadows. 2,271,521; Feb. 3.
Burner: *See*—
No-spark trash burner.
Bushing, Tap. J. C. Mullen. 2,271,949; Feb. 3.
Button, Hollow uniform-type. H. A. Smitt. 2,272,137; Feb. 3.
Cake package, Angel food. J. M. Luker. 2,271,921; Feb. 3.
Camera shutter. R. K. Lotz. 2,271,562; Feb. 3.
Can: *See*—
Garbage can.
Can aligning device. T. Chiappe. 2,271,997; Feb. 3.
Canape cutter. W. K. Youngberg. 2,271,908; Feb. 3.
Canvas, Elevator. T. Williams. 2,272,103; Feb. 3.
Capacitor. W. D. La Rue. 2,271,983; Feb. 3.
Car construction. S. Simonson. 2,271,607–8; Feb. 3.
Car coupling. O. E. Wilson. 2,271,907; Feb. 3.
Car roof, Metal. V. E. West. 2,271,514; Feb. 3.
Carbon holder for manifolding machines. L. Jensen. 2,272,121; Feb. 3.
Carbonator. H. H. Lewis. 2,271,896; Feb. 3.
Carriage for motors. A. W. Mall. 2,271,944; Feb. 3.
Carving material. E. B. Williams. 2,271,906; Feb. 3.
Case: *See*—
Refrigerated case.
Casing, Method and apparatus for preparing same. R. L. Atkinson. 2,271,932; Feb. 13.
Catalogue binder. T. M. Dunham. 2,271,734; Feb. 3.
Catalyst. G. H. Visser and W. F. Engel. 2,271,751; Feb. 3.
Centering arrangement for locomotive trucks. J. C. Maris. 2,271,867; Feb. 3.
Central pillar container. N. Klein and D. D. Whyte. 2,271,943; Feb. 3.
Chair. H. F. Niles. 2,271,925; Feb. 3.
Channel, Divided multiplex. E. S. Larson and A. H. Reiber. 2,271,653; Feb. 3.
Chest, Packing. G. M. Taylor, L. R. Bradshaw, and S. G. Green. 2,271,669; Feb. 3.
Chimney, duct, and the like. A. V. Staniforth. 2,272,138; Feb. 3.
Chrysene derivatives and making same. W. Kern and R. Tobler. 2,272,011; Feb. 3.
Cinematographic printing apparatus. G. F. Rackett. 2,271,572; Feb. 3.
Circuit: *See*—
Radio receiving circuit. Television shading control
Circuit breaker, Electric. D. C. Prince. 2,271,989; Feb. 3.

Circuit controller, Cyclic. H. A. Wilcox. 2,271,727; Feb. 3.
Circumcision ring. C. J. Ross. 2,272,072; Feb. 3.
Clamp. F. C. Wallace. 2,271,879; Feb. 3.
Clamp device for trouser creasers. L. F. Clements. 2,271,541; Feb. 3.
Claw mechanism for motion picture apparatus. L. Goldhammer and W. Kaden. 2,272,000; Feb. 3.
Cleaner: *See*—
Suction cleaner.
Clock system, Secondary. J. W. Bryce. 2,271,539; Feb. 3.
Clutch: *See*—
Synchronizing clutch.
Clutch. J. Gouldbourn and F. B. Keall. 2,271,548; Feb. 3.
Clutch. C. D. Knowlton. 2,271,559; Feb. 3.
Clutch band. L. C. Holland. 2,272,003; Feb. 3.
Combination tool. G. F. Colley. 2,271,680; Feb. 3.
Combustion chamber. R. H. Sheppard. 2,271,606; Feb. 3.
Concentrator. W. C. Hudson. 2,272,005; Feb. 3.
Connector: *See*—
Pipe connector. Terminal connector.
Container: *See*—
Burial container. Sponge container.
Central pillar container.
Electric discharge container.
Container. C. H. Dahlgren. 2,271,630; Feb. 3.
Container closure with applicator rod. B. F. Conner. 2,271,747; Feb. 3.
Container closure with applicator rod and making the same. W. F. Schmalz. 2,271,746; Feb. 3.
Container manufacture. R. W. von Sydow and W. E. Sooy. 2,272,073; Feb. 3.
Containers, Making laminated flexible. D. Ray. 2,271,714; Feb. 3.
Control apparatus for signaling apparatus. A. Horowitz. 2,272,050; Feb. 3.
Control device, Pneumatic. W. A. Johns. 2,271,824; Feb. 3.
Control of contact catalytic reactions. L. S. Kassel. 2,271,646; Feb. 3.
Control system. J. W. McNairy and O. A. Keep. 2,271,984; Feb. 3.
Control system for electric valves. H. Bany. 2,271,965; Feb. 3.
Control system, Remote. H. T. Seeley. 2,271,992; Feb. 3.
Controlling device for machine tools. E. Dornhöfer and R. Obtresal. 2,271,583; Feb. 3.
Coupling: *See*—
Car coupling. Vehicle coupling.
Shaft coupling.
Conveyer. A. F. White. 2,271,789; Feb. 3.
Conveyer, Utility. G. Van Zale. 2,271,754; Feb. 3.
Conveying device. G. Maurer. 2,271,599; Feb. 3.
Cooling system for internal combustion engines. O. F. Allen and O. E. Szekely. 2,271,994; Feb. 3.
Corn husking, shelling, and husk separating machine. A. D. Mast. 2,271,897; Feb. 3.
Corn sheller. A. D. Mast. 2,271,898; Feb. 3.
Cotton picking machine and method. R. S. Curley and W. Shaw. 2,271,793; Feb. 3.
Counterbalance. W. M. Mansfield. 2,271,740; Feb. 3.
Counter former. M. L. Dodge. 2,271,682; Feb. 3.
Countersinking and blind drilling machine. A. A. Schwartz. 2,271,717; Feb. 3.
Coupler, Car. F. H. Kayler. 2,271,839; Feb. 3.
Cord stretching apparatus. R. J. Clarkson. 2,271,854; Feb. 3.
Coupler. E. P. Kinne. 2,271,770; Feb. 3.
Covering structure. F. M. Allen. 2,272,144; Feb. 3.
Crane, Soaking pit cover. J. E. Minty. 2,271,776; Feb. 3.
Crane, Traveling. J. E. Minty. 2,271,775; Feb. 3.
Crankpin bearing. E. H. Doughty. 2,271,511; Feb. 3.
Crate hook. G. P. Smith and H. D. Hadlock. 2,271,901; Feb. 3.
Creped textile fabric. B. L. Hathorne and H. Frey. 2,271,885; Feb. 3.
Cup rack. L. Maslow. 2,272,092; Feb. 3.
Current impulses. Recording of alternating. E. W. Kellogg. 2,271,980; Feb. 3.
Cushion unit for upholstery and making the same. F. A. Nachman, Jr. 2,271,842; Feb. 3.
Cutter: *See*—
Canape cutter. Paper carton cutter.
Filling cutter. Pipe cutter.
Gear cutter.
Cutting machine, Loop. L. F. Remington. 2,271,529; Feb. 3.
Cylinder valve. E. M. Eyleth. 2,271,917; Feb. 3.
Dam forming device. W. H. Silver. 2,272,096; Feb. 3.
Damper, Vibration. W. B. Buchanan and G. B. Tebo. 2,271,935; Feb. 3.
Device for the nightly light beaconing of high tension overhead cables. J. Bethenod and D. Kayser. 2,272,080; Feb. 3.
Dialing device for telephones. L. E. La Guardia. 2,272,089; Feb. 3.
Diaper. E. Bjornbak. 2,271,676; Feb. 3.
Die: *See*—
Marker die. Wire casting die.
Die. C. M. Brehm. 2,272,082; Feb. 3.
Die for cutting taper threads. W. J. Hogg. 2,271,641; Feb. 3.
Differential mechanism. C. E. Frederickson. 2,272,161; Feb. 3.
Discharge device, Gaseous glow. S. O. Ekstrand. 2,271,685; Feb. 3.
Dish supporting bracket. A. T. Kieft. 2,271,769; Feb. 3.
Distillation, Fractional. J. P. Wible. 2,271,671; Feb. 3.
Disk gang assembly. T. M. Thomas, E. F. Wadelton and O. W. Sjogren. 2,270,100; Feb. 3.
Dolls, animals, and like figures and the manufacture of the same. A. E. Pallett. 2,271,711; Feb. 3.
Door: *See*—
Watertight ship door.
Door lock. H. G. Voight. 2,272,101; Feb. 3.
Draft device. L. D. Hagenbook. 2,272,049; Feb. 3.
Drainboard for clothes wringers. N. L. Etten. 2,272,113; Feb. 3.
Drier: *See*—
Hair drier.
Drifting apparatus. R. M. Ostermann. 2,271,875; Feb. 3.
Drilling machine. A. Hossfeld. 2,272,087; Feb. 3.
Drive, Variable speed friction. J. S. Forster and S. W. Herwald. 2,271,688; Feb. 3.
Dropper, Manufacturing. C. G. Anastor. 2,272,105; Feb. 3.
Dry cleaning composition and method. L. H. Flett. 2,271,635; Feb. 3.
Drying apparatus. F. S. Boltz. 2,271,757; Feb. 3.
Dual fuse block. S. G. House. 2,271,693; Feb. 3.
Duplicator, Rotary. R. R. Rockhill. 2,271,954; Feb. 3.
Duster. J. H. Johnson. 2,271,694; Feb. 3.
Dyestuffs, Methine. J. D. Kendall. 2,272,163; Feb. 3.
Dynamoelectric machine. M. F. Kent. 2,271,981; Feb. 3.
Earth moving equipment. G. I. Clark. 2,271,791; Feb. 3.
Ejector, Load. G. S. Allin. 2,271,790; Feb. 3.
Electric contacting member. F. R. Hensel and K. L. Emmert. 2,272,063; Feb. 3.
Electric discharge container. A. Etzrodt. 2,271,938; Feb. 3.
Electric heater. R. S. Gilling. 2,271,973; Feb. 3.
Electric heater. C. I. Hjelmgren. 2,271,977–8; Feb. 3.
Electric heater. E. S. Smith. 2,272,136; Feb. 3.
Electric tilting device. F. H. Heine. 2,271,518; Feb. 3.
Electrical apparatus, High frequency. R. H. Varian, W. W. Hansen, and L. M. Applegate. 2,272,165; Feb. 3.
Electrical discharge device, Controlled. C. G. Smith. 2,271,666; Feb. 3.
Electrical prospecting method and apparatus. J. M. Pearson and G. A. Smith. 2,271,951; Feb. 3.
Electrical resistance. C. Baroni. 2,271,995; Feb. 3.
Electroacoustical apparatus. H. F. Olson. 2,271,988; Feb. 3.
Electrocuting trap. S. Palos. 2,271,569; Feb. 3.
Elevator control mechanism. E. L. Dunn. 2,271,998; Feb. 3.
Electrode construction, Luminous sign. S. C. Miller. 2,271,658; Feb. 3.
Electrode, Luminous sign. S. C. Miller. 2,271,657; Feb. 3.
Electromagnetically controlled lock. L. J. Baribault. 2,271,966; Feb. 3.
Electron discharge device. G. A. Morton. 2,271,985; Feb. 3.
Electron discharge device. B. Salzberg. 2,271,716; Feb. 3.
Emulsion tank and stain roll. L. Gariepy. 2,271,999; Feb. 3.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine. H. A. Huebotter. 2,271,766; Feb. 3.
Engine accessory system. E. C. Horton. 2,272,037; Feb. 3.
Engine mounting. W. Lytle. 2,272,016; Feb. 3.
Ethers of polyglycols, Dibutyl. G. A. Perkins, T. F. Carruthers, and J. W. Clark. 2,271,873; Feb. 3.
Extrusion process. G. F. Taylor. 2,271,960; Feb. 3.
Fabric: *See*—
Creped textile fabric.
Fastener: *See*—
Rail fastener.
Faucet and drinking fountain, Combination. E. C. and L. F. Moore. 2,271,889; Feb. 3.
Feed mechanism for repeating firearms. F. S. Wilcox. 2,271,576; Feb. 3.
Fertilizer distributor. A. F. Thornton. 2,271,722; Feb. 3.
Filling cutter. G. H. McRae and E. W. Fanning. 2,271,600; Feb. 3.
Film holder. G. L. Wick. 2,271,530; Feb. 3.
Filtering apparatus. R. N. Coolidge. 2,271,814; Feb. 3.
Filtering element and new method for its manufacture. G. A. Rubissow. 2,271,662; Feb. 3.
Fire extinguishing apparatus. S. E. Allen. 2,271,851; Feb. 3.
Fish extract. Evaporating. H. L. Pollard. 2,271,605; Feb. 3.
Fishing reel. B. Bannister. 2,271,883; Feb. 3.
Flagstaff. C. R. Hall. 2,271,609; Feb. 3.
Flagstaff holder. M. J. Beale. 2,271,616; Feb. 3.
Flashlight. B. F. Muldoon. 2,272,040; Feb. 3.

Flashlight. S. L. Yen (Yen Si Liang). 2,271,672; Feb. 3.
Flatiron and clothes dampener, Combination. P. J. Fitzgerald. 2,271,686–7; Feb. 3.
Fluid actuated valve. P. L. Loewe. 2,272,091; Feb. 3.
Fluid circulating system. H. T. Bradner. 2,271,677; Feb. 3.
Fluid flow controller. E. C. Brisbane and F. E. Peacock. 2,271,911; Feb. 3.
Fluid separator. J. Fletcher and E. C. Huge. 2,271,634; Feb. 3.
Food processing machine. T. R. James. 2,272,007; Feb. 3.
Footwear, Decorative. L. A. Langendorf. 2,271,595; Feb. 3.
Frame: *See*—
Tool support frame.
Freight container for liquids, Demountable. R. A. Norbom. 2,271,660; Feb. 3.
Frequency and power factor measurement. T. A. Rich. 2,271,991; Feb. 3.
Fuel and making same, Modified motor. S. Shappirio. 2,272,134; Feb. 3.
Fuel injector. M. J. Murphy. 2,272,094; Feb. 3.
Fuel pump mounting. A. C. Korte and K. Lannert. 2,271,560; Feb. 3.
Furnace. P. P. De Witt. 2,271,816; Feb. 3.
Furnace arch construction. S. H. Lanyon. 2,272,015; Feb. 3.
Furnace resistor element, Electric. J. D. Hanawalt and L. A. Matheson. 2,271,838; Feb. 3.
Fuse plug. J. Baldwin and W. Hillenbrand. 2,271,719; Feb. 3.
Garbage can, Sanitary silent. M. Glowka. 2,271,918; Feb. 3.
Garment. R. W. Strohmeier, J. L. Kornet, and J. Cable. 2,271,749; Feb. 3.
Garment, Foundation. I. Rosner. 2,272,023; Feb. 3.
Garment hanger. S. E. Kemmitt. 2,271,941; Feb. 3.
Garment, Maternity. R. M. Mahoney. 2,272,017; Feb. 3.
Gas and water separator for wells and the like. F. R. Schultz. 2,271,832; Feb. 3.
Gear cutter. E. T. Slayton. 2,271,781; Feb. 3.
Gear cutter. E. Wildhaber. 2,271,753; Feb. 3.
Gears, Processing. J. M. Christman. 2,271,759; Feb. 3.
Gel and making same, Solubilized. F. B. Root. 2,271,804; Feb. 3.
Generator: *See*—
Steam generator.
Germicide. H. L. Guest. 2,271,638; Feb. 3.
Goggle and sweatband, Combined. A. G. McNeill. 2,271,703; Feb. 3.
Golf ball cover stock. J. B. Dickson and R. A. Stafford. 2,272,036; Feb. 3.
Golf strokes, Means for use in practicing of. P. J. Cavanagh. 2,271,811; Feb. 3.
Grinder head, Thermally controlled. R. P. and J. R. Garrison. 2,271,637; Feb. 3.
Grinder, Roll. G. V. Hultgren. 2,272,088; Feb. 3.
Grinding device, Instrument. T. J. Waldron. 2,271,810; Feb. 3.
Grinding machine. H. G. Day and J. E. Johnson. 2,271,794; Feb. 3.
Grinding machine, Roll. A. W. Wigglesworth and E. R. Mons. 2,271,963; Feb. 3.
Growth promoting substances, Production of. H. K. Mitchell. 2,271,872; Feb. 3.
Hairbrush. D. Hertzberg. 2,272,151; Feb. 3.
Hair drier. J. E. Dwyer. 2,271,857; Feb. 3.
Halides, Preparation of alkyl aluminum. R. F. Ruthruff. 2,271,956; Feb. 3.
Hammer, Power. G. D. Behlen. 2,271,933; Feb. 3.
Hanger: *See*—
Garment hanger.
Hanger bracket. C. W. Tritt. 2,271,784; Feb. 3.
Headstock. F. S. Haas. 2,272,048; Feb. 3.
Heat control apparatus. H. T. Kucera. 2,271,651; Feb. 3.
Heat exchange apparatus, Fluid. R. M. Hardgrove. 2,271,639; Feb. 3.
Heat exchange apparatus, Fluid. D. S. Jacobus. 2,271,643; Feb. 3.
Heat exchange and making the same. G. A. Brace. 2,271,538; Feb. 3.
Heater: *See*—
Automobile heater. Electric heater.
Heating system, Controlled volume steam. P. B. Parks and E. E. Stenzel. 2,271,778; Feb. 3.
Hectograph blanket comprising a cellulose derivative gel and preparing and using same. W. J. Champion 2,271,758; Feb. 3.
Heel holder for heel attaching machines. J. T. Lancaster. 2,271,561; Feb. 3.
Hexahydropseudoionone, Producing. J. Lee. 2,272,122; Feb. 3.
Hitch device. C. G. Strandlund. 2,271,748; Feb. 3.
Holder: *See*—
Film holder. Magnetic work holder.
Flagstaff holder. Work and tool holder.
Holder for yarn packages. F. B. Javery and R. C. Longvall. 2,272,120; Feb. 3.
Homogenization of liquid matter. A. van Kreveld. 2,271,982; Feb. 3.
Honing machine. A. M. Johnson. 2,271,768; Feb. 3.
Hook: *See*—
Crate hook.
Hook. A. C. Moork. 2,271,923; Feb. 3.
Hose joint. F. B. Williamson, Jr., and T. A. Welger. 2,271,931; Feb. 3.
Hose spray head. T. P. Newman, E. W. Marchand, Jr., and E. A. Fredrickson. 2,271,843; Feb. 3.
Hot top and element for producing the same. I. A. Nicholas. 2,272,018; Feb. 3.
Hydraulic power unit. R. E. Bauer. 2,271,615; Feb. 3.
Hydraulic valve. J. W. Childress. 2,272,110; Feb. 3.
Hydrocarbon polymers and products thereof, Preparation of. P. K. Frolich. 2,271,636; Feb. 3.
Hydrocarbon, Stabilized. W. H. James and E. W. Fuller. 2,271,940; Feb. 3.
Hydrocarbons, Catalytic cracking of. E. R. Kanhofer. 2,271,645; Feb. 3.
Hydrocarbons, Conversion of. W. L. Benedict. 2,271,617; Feb. 3.
Hydrocarbons, Treating. C. D. Coulter and E. R. Cox. 2,271,761; Feb. 3.
Hydrocarbons, Treatment of. A. R. Goldsby. 2,271,860; Feb. 3.
Hydrogenhalide, Recovery of. T. R. Liston. 2,271,866; Feb. 3.
Ignition device or system for gas and liquid fuel burners. C. S. Stuckenholt. 2,271,903; Feb. 3.
Illuminated sign. E. C. Noel. 2,272,127; Feb. 3.
Illumination system and method for photography. B. H. Wildman. 2,272,102; Feb. 3.
Indexing mechanism. G. E. Tcimpidis. 2,271,848; Feb. 3.
Indicating mechanism, Speed. R. D. Palmer. 2,272,129; Feb. 3.
Indicator: *See*—
Radio course indicator.
Indicator for carrier-signal receivers, Tuning. J. C. Wilson. 2,271,964; Feb. 3.
Indicator system, Tuning. J. D. Reid. 2,272,052; Feb. 3.
Illuminated display sign. E. M. Fritz. 2,271,689; Feb. 3.
Indium, Recovery of. H. M. Doran, M. A. Jackson, and A. I. Alf. 2,271,970; Feb. 3.
Insect repellent. R. H. Carter. 2,272,044; Feb. 3.
Insecticide. A. F. Freeman. 2,272,047; Feb. 3.
Insulation bat, Stitched. A. E. Waterman. 2,271,575; Feb. 3.
Intermitter, Two stage. H. U. Garrett. 2,271,859; Feb. 3.
Internal combustion engine. C. E. Cummings. 2,271,856; Feb. 3.
Internally expanding brake. F. R. Cowell. 2,271,815; Feb. 3.
Jack: *See*—
Multilever jack.
Jacket, Hunting. H. E. Pocock. 2,272,041; Feb. 3.
Jet. C. E. Heil. 2,271,764; Feb. 3.
Jig. M. Kraut. 2,271,650; Feb. 3.
Joint: *See*—
Hose joint. Rubber ring pipe joint.
Pipe joint. Universal joint.
Ketones of the cyclopentanopolyhydrophenanthrene series and making them, Nuclear. L. Ruzicka. 2,272,131; Feb. 3.
Ketones, Production of di-chlorinated aliphatic. G. H Morey. 2,271,705; Feb. 3.
Knitting machine. A. E. Stewart. 2,271,902; Feb. 3.
Lacquer emulsion. M. C. Moore. 2,272,152; Feb. 3.
Lamp. *See*—
Photoflash lamp. Portable lamp.
Lamp globe. J. G. Francis. 2,271,836; Feb. 3.
Lasts, Decorating. W. P. Manley. 2,271,888; Feb. 3.
Latch for electric switch cabinets. W. C. Anderson and F. Harvey. 2,272,145; Feb. 3.
Lawn sprinkler. C. Hundertmark. 2,271,823; Feb. 3.
Lens and the manufacture thereof. G. Jaeckel. 2,272,119; Feb. 3.
Lens assembly for straight line scanning. C. E. Smith. 2,272,097; Feb. 3.
Lever construction. W. C. Skareen. 2,271,846; Feb. 3.
Leverage device, Variable. D. D. Demarest, C. Berendt, and W. Karius. 2,271,795; Feb. 3.
Lifter: *See*—
Stove lid lifter.
Light: *See*—
Timing traffic light.
Lighting fixture. H. J. Claspy. 2,271,679; Feb. 3.
Lightning protector. R. G. Sands. 2,271,573; Feb. 3.
Light shade. J. Ulett. 2,271,515; Feb. 3.
Liquid cooling device. H. W. Kleist. 2,271,648; Feb. 3.
Liquors, Treatment of waste pickling. L. F. Marek. 2,271,524; Feb. 3.
Load handling mechanism for industrial trucks. C. E. Cochran. 2,271,624; Feb. 3.
Lock: *See*—
Door lock.
Electromagnetically controlled lock.
Lock washer. J. A. Chappuis. 2,271,732; Feb. 3.
Loom shuttle, Automatic. C. D. Brown. 2,272,147; Feb. 3.
Loud-speaker. J. D. Seabert. 2,271,525; Feb. 3.
Lubricant, Metal fabricating. A. J. Morway and J. C. Zimmer. 2,271,947; Feb. 4.

Lubricated bearing. J. L. Hamilton. 2,271,820; Feb. 3.
Machine or apparatus for shaping metal tubes, containers, and the like. J. A. Dove. 2,272,111; Feb. 3.
Machine for electroprocessing metal strip. W. F. Hall. 2,271,735; Feb. 3.
Machine for pressing fabrics. R. Martin and A. Mellor. 2,271,869; Feb. 3.
Machine tool. A. Maurer. 2,271,598; Feb. 3.
Magnesium, Manufacturing metallic. N. R. Collins and G. H. Gloss. 2,271,626; Feb. 3.
Magnetic work holder. E. L. Watelet. 2,271,904; Feb. 3.
Mandrel. R. H. Brockman. 2,271,934; Feb. 3.
Marker die. T. J. Buckey. 2,271,540; Feb. 3.
Mast, Collapsible. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,271,577; Feb. 3.
Mast erection, Collapsible. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,271,578; Feb. 3.
Measuring device. E. G. Tunnicliff. 2,271,725; Feb. 3.
Measuring device, Cable. O. J. McCullough. 2,271,742; Feb. 3.
Mercaptothiazoles with ammonia derivatives, Treating. E. L. Carr. 2,271,834; Feb. 3.
Meringue mixture. V. D. Littlefield. 2,271,654; Feb. 3.
Metal surfaces, Coating. W. C. Morris. 2,271,706; Feb. 3.
Metals, Grinding hard. A. Nagy. 2,271,743; Feb. 3.
Metallo organo derivatives. S. Shappirio. 2,272,133; Feb. 3.
Method and apparatus for discharging baked loaves of bread, cake, or the like from pans. E. O. Engels. 2,271,937; Feb. 3.
Method and apparatus for prevention of formations in transfer lines. F. R. Russell. 2,271,955; Feb. 3.
Method and apparatus for purifying gases. H. Holzwarth. 2,271,642; Feb. 3.
Micrometer mechanism. H. Ernst and A. H. Dall. 2,271,817; Feb. 3.
Microscope, Electron. E. G. Ramberg and G. A. Morton. 2,271,990; Feb. 3.
Milk bottle rack. C. E. McCartney. 2,271,702; Feb. 3.
Mining. Y. Kida. 2,272,013; Feb. 3.
Moistening mechanism. R. F. Morrison and E. W. Peterson. 2,271,801; Feb. 3.
Monocalcium phosphate for heat treatment, Coating indesirably pure. W. H. Knox, Jr. 2,272,014; Feb. 3.
Motor: *See*—
Reversible electric motor.
Motor. L. Buchmann. 2,272,033; Feb. 3.
Motor starting device, Convertible automobile jack and rear wheel drive. V. Gerich. 2,271,586; Feb. 3.
Mounting: *See*—
Engine mounting. Fuel pump mounting.
Multilever jack. E. Molloy. 2,271,704; Feb. 3.
Musical notation, System of. D. A. Maffei. 2,271,772; Feb. 3.
Necktie smoother. G. N. Phelps. 2,272,051; Feb. 3.
Neutralizing system. L. J. Wolf. 2,271,519; Feb. 3.
Nitrate, Fractionated starch. W. O. Snelling and G. E. Rees. 2,271,877; Feb. 3.
Nitrogenous condensation products. W. Kern and R. Tobler. 2,272,012; Feb. 3.
Noise eliminator, Ultra short wave. H. H. Beverage. 2,271,909; Feb. 3.
No-spark trash burner. M. E. Peacock. 2,271,828; Feb. 3.
Nozzle, Automatic. R. T. and T. A. Killman. 2,271,557; Feb. 3.
Nozzle, Fire hose. C. P. Meussdorffer. 2,271,800; Feb. 3.
Nozzle, Spray. D. J. Peeps. 2,271,779; Feb. 3.
Oil burner accessory. J. Goffredo. 2,271,690; Feb. 3.
Oil, Catalytic cracking of hydrocarbon. C. L. Thomas. 2,271,670; Feb. 3.
Oil, Conversion of hydrocarbon. H. S. Bloch and E. C. Lee. 2,271,618; Feb. 3.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,271,610; Feb. 3.
Oils, Manufacturing lubricating. E. M. Dons and O. G. Mauro. 2,271,683; Feb. 3.
Oils, Purifying used. C. M. Ambler, Jr. 2,271,882; Feb. 3.
Olefins, Polymerization of gaseous. E. Keunecke and H. Grasshof. 2,271,942; Feb. 3.
Optical and acoustic indicator for directional receivers. P. Hermanspann and R. Weber. 2,271,550; Feb. 3.
Oxygen-containing compounds, Producing high-molecular. M. Neber. 2,271,708; Feb. 3.
Package, Wire bound. G. Ridge. 2,272,020; Feb. 3.
Panel. P. Zalkind. 2,272,078; Feb. 3.
Panel and steel element therefor, Composite. M. G. Hilpert. 2,271,592; Feb. 3.
Paper bag. H. V. Kindseth. 2,271,647; Feb. 3.
Paper carton cutter. H. Hanson. 2,272,116; Feb. 3.
Paper-sizing medium and its production. H. Grasshof and E. Schlumberger. 2,271,691; Feb. 3.
Paster for cigar machines. H. H. Wheeler. 2,271,788; Feb. 3.
Pasteurizing device. N. F. Hodgon. 2,271,862; Feb. 3.
Pen beam for ruling machines. A. Broadmeyer. 2,272,146; Feb. 3.
Pencil. K. Miller and H. P. Smith. 2,272,126; Feb. 3.
Phenol formaldehyde condensation products. R. Müller. 2,272,154; Feb. 3.
Phenolic condensation products, Preparation of. R. Müller. 2,272,155; Feb. 3.
Phonograph apparatus. H. J. Hasbrouck, Jr., and S. E. Bartelson. 2,271,976; Feb. 3.
Photoflash lamp. M. J. N. de Margitta. 2,272,059; Feb. 3.
Photographic emulsion. B. H. Carroll and C. F. H. Allen. 2,271,622; Feb. 3.
Photographic emulsion. B. H. Carroll. 2,271,623; Feb. 3.
Piano. W. A. Watson and E. W. Smith. 2,272,076; Feb. 3.
Piano action. W. S. Finholm. 2,271,633; Feb. 3.
Pin opener, Bobbie. V. L. Hildebrand. 2,271,765; Feb. 3.
Pipe connector, Automatic train. J. Robinson. 2,271,661; Feb. 3.
Pipe cutter. W. E. Dixon. 2,271,582; Feb. 3.
Pipe joint. H. Y. Carson. 2,271,936; Feb. 3.
Pipe joint protector. A. Henderson. 2,271,549; Feb. 3.
Pipe wrapping machine. A. J. Pfohl and C. M. Wood. 2,271,528; Feb. 3.
Piston, Liquid meter. R. L. Wakeman. 2,271,961; Feb. 3.
Pitman bearing. W. M. Mansfield. 2,271,741; Feb. 3.
Pitter, Olive. G. W. Ashlock, Jr. 2,271,675; Feb. 3.
Plant for pneumatic, hydraulic, or like fluid control. J. Mercier. 2,271,826; Feb. 3.
Plate for filing cases or the like, Follower. J. S. Burdick. 2,271,678; Feb. 3.
Plate-riding attachment. R. S. Babcock and L. W. Young. 2,271,613; Feb. 3.
Plow, Tractor. H. E. Altgelt. 2,271,533; Feb. 3.
Plug: *See*—
Fuse plug.
Plywood, Making. J. V. Nevin. 2,271,744; Feb. 3.
Polishing and grinding machine. G. A. Carlson. 2,272,055; Feb. 3.
Porous material, Making. J. R. Parsons. 2,271,845; Feb. 3.
Porous product and its manufacture. M. A. Powers. 2,271,829; Feb. 3.
Portable lamp. J. Gould, Jr. 2,272,085; Feb. 3.
Powder distributor. E. S. Munroe. 2,271,602; Feb. 3.
Power transmitting apparatus. W. J. Zenner. 2,271,673; Feb. 3.
Power transmitting mechanism. A. F. Greiner. 2,271,974; Feb. 3.
Power transmission device. R. M. Heintz. 2,271,640; Feb. 3.
Prepayment mechanism. A. H. Wickham. 2,271,752; Feb. 3.
Press: *See*—
Adjustable stroke press. Soap press.
Proof press.
Press. G. E. McLaughlin. 2,271,656; Feb. 3.
Pressure relief valve, Fluid. A. L. Tobin and J. L. Kimball. 2,271,516; Feb. 3.
Pressure vessel, Welded. I. L. Langvand and C. H. Gay. 2,271,652; Feb. 3.
Printing mechanism for accounting machines. W. A. Anderson. 2,272,079; Feb. 3.
Projection screen. F. C. Baselt. 2,271,614; Feb. 3.
Protector: *See*—
Lightning protector. Pipe joint protector.
Proof press. J. Peters. 2,271,745; Feb. 3.
Proof press. E. O. and D. D. Vandercook. 2,271,750; Feb. 3.
Propeller, Marine. A. Osbourne. 2,272,128; Feb. 3.
Protective device for preventing persons from falling asleep at the wheel of a motor vehicle or the like. K. E. Löfwall. 2,271,698; Fb. 3.
Pump. S. C. Bliss. 2,271,730; Feb. 3.
Pump. H. S. Pardee. 2,271,570; Feb. 3.
Pumping mechanism. K. H. Kanalz. 2,271,594; Feb. 3.
Punch apparatus for rubber articles. P. A. Raiche. 2,272,069; Feb. 3.
Rachet for screw drivers. M. S. Kalbeck. 2,271,887; Feb. 3.
Rack: *See*—
Cup rack. Milk bottle rack.
Radio course indicator. W. L. Carlson. 2,272,056; Feb. 3.
Radio receiver circuit. P. de Belleville. 2,271,915; Feb. 3.
Radio receiver for direction finding or course indicating systems. C. E. G. Bailey. 2,271,534; Feb. 3.
Radiogoniometer. C. S. Cockerell. 2,271,517; Feb. 3.
Rail fastener, Divided shank. R. P. Clarkson. 2,271,912; Feb. 3.
Railway car truck. R. B. Cottrell. 2,272,035; Feb. 3.
Rake, Power. R. C. Hickman. 2,271,591; Feb. 3.
Razor, Electrical. J. D. Altemus. 2,272,054; Feb. 3.
Receiver for omnidirectional beacons. D. G. C. Luck. 2,271,522; Feb. 3.
Receiving system for modulated waves. F. K. Vreeland. 2,272,075; Feb. 3.
Receptacle and handle therefor. J. Merner. 2,271,922; Feb. 3.
Reciprocating mechanism. W. P. Griffiths. 2,271,513; Feb. 3.
Record disk. I. Spinner. 2,272,157; Feb. 3.
Rectifier, Electric. F. Zaccheo and V. Willson. 2,272,104; Feb. 3.

Rectifier for refrigerating systems. C. C. Coons. 2,271,542; Feb. 3.
Reel: *See*—
Fishing reel.
Refractory compositions. J. D. Morgan. 2,272,039; Feb. 3.
Refractory materials, Heat conducting. J. D. Morgan. 2,272,038; Feb. 3.
Refrigerated case. S. B. Nordskog. 2,271,802; Feb. 3.
Refrigerating apparatus. A. A. McCormack. 2,272,093; Feb. 3.
Refrigerating apparatus. N. J. Smith. 2,272,099; Feb. 3.
Refrigerating apparatus, Absorption. R. S. Nelson. 2,271,565; Feb. 3.
Refrigerating apparatus, Absorption. R. S. Nelson and K. V. Nesselmann. 2,271,566; Feb. 3.
Refrigeration. C. C. Coons. 2,271,543; Feb. 3.
Refrigeration. C. C. Coons and S. R. Cummings. 2,271,544; Feb. 3.
Refrigeration. R. R. Fitzsimmons and G. A. Brace. 2,271,547; Feb. 3.
Refrigeration. W. H. Kitto. 2,271,558; Feb. 3.
Refrigeration. C. H. MacFarland. 2,271,563; Feb. 3.
Refrigeration. W. H. Tucker. 2,271,574; Feb. 3.
Regulating system. O. Scharpf. 2,272,025; Feb. 3.
Releasing device for fishing lines. F. J. Miller. 2,271,899; Feb. 3.
Resin coating composition, Synthetic. C. Bogin. 2,271,581; Feb. 3.
Resin emulsion. H. C. Cheetham. 2,272,057; Feb. 3.
Resin, Polyvinyl acetal. D. R. Swan. 2,271,668; Feb. 3.
Resistor, Molded insulated. G. E. Megow and H. G. Thomson. 2,271,774; Feb. 3.
Rest for cigarettes and cigars or the like, Detachable. C. B. Clapp. 2,272,084; Feb. 3.
Retouching solution. C. A. Hasslacher and H. W. Rimbach. 2,272,117; Feb. 3.
Reversible electric motor. F. L. Creager. 2,271,968; Feb. 3.
Ring: *See*—
Circumcision ring.
Riser for stapling machines. W. G. Pankonin. 2,271,926; Feb. 3.
Rocker arm. J. M. Leake. 2,272,166; Feb. 3.
Roller for cutters, Feed. E. W. Saiberlich. 2,271,957; Feb. 3.
Roofing element. W. W. Bainbridge. 2,271,728; Feb. 3.
Rotary engine. F. Moeser. 2,271,659; Feb. 3.
Rubber filaments into thread, Assembling. R. G. James and S. F. Smith. 2,271,865; Feb. 3.
Rubber ring pipe joint. C. C. Halkyard. 2,272,115; Feb. 3.
Rubber, Vulcanization of. A. W. Sloan. 2,271,782; Feb. 3.
Rubbing device. O. A. Kehle. 2,272,008; Feb. 3.
Safety antibacking means for trailers. R. L. Wimbish. 2,272,028; Feb. 3.
Safety relief valve. W. G. Watkins. 2,271,786; Feb. 3.
Sash weight, Dual. C. E. Peck. 2,271,527; Feb. 3.
Scale for indicating bearings, Compensated. E. Müllner. 2,271,564; Feb. 3.
Scale, Weighing. H. W. Hem. 2,272,150; Feb. 3.
Scales, Weighing. M. A. Weckerly. 2,272,141–2; Feb. 3.
Scraper. E. A. Hyer. 2,272,006; Feb. 3.
Scraper, Wheeled. T. O. Davidson. 2,271,631; Feb. 3.
Screen: *See*—
Projection screen.
Screen. R. E. L. Mowbray. 2,271,900; Feb. 3.
Screw and washer feeding device. C. G. Olson. 2,271,844; Feb. 3.
Sealing structure. T. D. Nathan. 2,271,777; Feb. 3.
Seat: *See*—
Adjustable seat.
Seat structure. W. H. Lingle. 2,272,124; Feb. 3.
Seat support. E. F. Salsbury and L. D. Thostenson. 2,271,805; Feb. 3.
Seismic wave detector. P. M. Honnell and L. W. Dickerson. 2,271,864; Feb. 3.
Self-aligning bearing. P. J. Imse and R. A. Seidenstricker. 2,272,118; Feb. 3.
Self-reversing magnetic switch. F. M. Murphy. 2,271,603; Feb. 3.
Separator: *See*—
Fluid separator.
Servomotor and control apparatus therefor. H. J. Nathan. 2,272,095; Feb. 3.
Sewage plant. B. V. Howe and G. A. Izett. 2,272,004; Feb. 3.
Sewing machine, Shoe. F. Ashworth and C. F. Whitaker. 2,271,611; Feb. 3.
Shaft coupling. G. L. Olson. 2,271,567; Feb. 3.
Shaving device. J. A. C. Galvao. 2,271,858; Feb. 3.
Shaving device. E. J. Te Pas and E. G. Berg 2,272,123; Feb. 3.
Shaving device, Dry. I. S. Bodkin and C. R. Schumacher. 2,272,081; Feb. 3.
Shaving implement. H. T. Schiff. 2,271,806; Feb. 3.
Shaving implement, Electric. J. D. Altemus. 2,272,053; Feb. 3.
Sheet controlling apparatus. E. F. Dudley. 2,272,045; Feb. 3.
Sheet material, Coated cellulosic. W. S. Traylor. 2,271,724; Feb. 3.
Shield for masks, Protective face. H. Goode, Sr. 2,272,001; Feb. 3.
Shingle. C. W. Brown. 2,272,032; Feb. 3.
Shoe lasting and welting machine. E. W. Koloske and L. S. Curtin. 2,272,065; Feb. 3.
Shoe sewing machine. E. E. Winkley. 2,272,077; Feb. 3.
Short wave system, Ultra. H. O. Peterson. 2,272,066; Feb. 3.
Shovel, Track forming. J. Pauly. 2,272,130; Feb. 3.
Sign: *See*—
Illuminated display sign. Illuminated sign.
Signal: *See*—
Bicycle stop signal.
Signal switch. M. E. Matheson and W. J. Kruder. 2,271,655; Feb. 3.
Signals over the same channel, Transmitting a plurality of. J. E. Smith. 2,271,721; Feb. 3.
Signaling system. C. O. Browne. 2,272,043; Feb. 3.
Signaling system, Electric. A. H. Reeves. 2,272,070; Feb. 3.
Sleeve for children, Attachable. M. S. Abell. 2,271,580; Feb. 3.
Slicer, Food. L. Samelson. 2,272,042; Feb. 3.
Slicing machine, Peach. J. Albertoli. 2,271,755; Feb. 3.
Snap switch. A. L. Riche. 2,272,021; Feb. 3.
Soap cake. C. O. Swanson. 2,271,959; Feb. 3.
Soap press. R. A. Jones. 2,271,979; Feb. 3.
Soaps, Making pure. G. B. Bradshaw and W. C. Meuly. 2,271,619; Feb. 3.
Sodium phosphate, Manufacture of. G. A. Peirce. 2,271,712; Feb. 3.
Sound absorbing unit. C. L. Newport and H. C. Smith. 2,271,871; Feb. 3.
Sound attenuating device. R. B. Bourne. 2,271,892; Feb. 3.
Sphere-smoothing apparatus. A. F. Larabee. 2,272,090; Feb. 3.
Sponge container, Auxiliary. J. L. Hendrickson. 2,271,589–90; Feb. 3.
Spool or reel. R. V. Olson. 2,272,156; Feb. 3.
Spark plug insulator. F. H. Riddle and L. G. Tait. 2,272,071; Feb. 3.
Spring testing machine. H. W. Link. 2,271,739; Feb. 3.
Static pressure measuring tube. S. Holm. 2,271,863; Feb. 3.
Stand: *See*—
Barrel stand.
Steam generator. W. R. Wood. 2,271,880; Feb. 3.
Steam power plant employing steam generators of the flow-through type. V. Juzi. 2,271,886; Feb. 3.
Steering wheel unit, Driven. R. C. Wallace. 2,271,849; Feb. 3.
Stoker. R. L. Beers. 2,271,967; Feb. 3.
Stoker control system. E. T. Selig, Jr. 2,271,831; Feb. 3.
Stoker mechanism. W. T. Hanna. 2,271,939; Feb. 3.
Stone and other materials, Method of and device for cutting. A. and J. Wegner. 2,271,905; Feb. 3.
Stove having a griddle top. R. Fleming. 2,271,585; Feb. 3.
Stove lid lifter. W. A. Edington. 2,272,112; Feb. 3.
Stove, Regenerative. L. Bradley. 2,272,108; Feb. 3.
Straightener, Round. J. B. Sutton. 2,271,783; Feb. 3.
Strain relief and switch assembly. H. A. Neil and R. K. Schelke. 2,272,164; Feb. 3.
Strainer liner. R. E. Wright. 2,271,579; Feb. 3.
Strip treating apparatus. W. F. Hall. 2,271,736; Feb. 3.
Suction cleaner. Q. Berg. 2,271,536; Feb. 3.
Suction cleaner. R. S. Boyle and C. H. Taylor. 2,271,556; Feb. 3.
Suction cleaner. S. R. Cummings. 2,271,545; Feb. 3.
Suction cleaner. D. C. Gerber and E. R. Swann. 2,271,555; Feb. 3.
Suction cleaner. H. E. Hoover. 2,271,551; Feb. 3.
Suction cleaner. D. G. Smellie. 2,271,552–3–4; Feb. 3.
Suit, Lifesaving. H. C. Ball. 2,271,891; Feb. 3.
Support: *See*—
Seat support.
Swab, Cleaning. F. M. Harris. 2,271,861; Feb. 3.
Switch: *See*—
Signal switch. Snap switch.
Self-reversing magnetic switch.
Switch. A. A. Bluemle. 2,271,910; Feb. 3.
Switch. W. Hecht and L. M. Rybold. 2,271,588; Feb. 3.
Switch mechanism. J. R. Kirkpatrick. 2,272,064; Feb. 3.
Switching system and switch for controlling electric circuits. P. M. Engel and W. G. Harlow. 2,271,972; Feb. 3.
Synchronizing clutch. C. D. Peterson. 2,271,571; Feb. 3.
Synchronizing mechanism. H. H. Couch. 2,271,629;
Synchronizing system. I. E. Cole and A. E. Melhose. 2,271,625; Feb. 3.
Syringe. A. E. Smith. 2,271,720; Feb. 3.
Syringe, Ampoule. A. E. Smith. 2,271,719; Feb. 3.
Syringe, Hypodermic. L. Eisele. 2,271,546; Feb. 3.
System for transporting materials. L. J. Vogel. 2,271,726; Feb. 3.
Table top, counter top, or the like. W. G. Dieter, W. G. Ritton, and P. M. Hull. 2,272,058; Feb. 3.
Tag marking machine, Price. F. Kohnle. 2,271,840; Feb. 3.
Tag, Price marking. F. Kohnle. 2,271,841; Feb. 3.
Tap bush. J. C. Mullen. 2,271,948; Feb. 3.

Tap bush, Unitary. J. C. Mullen. 2,271,950; Feb. 3.
Telephone coin collector. O. A. Shann. 2,271,718; Feb. 3.
Telephone system. J. Davidson, Jr. 2,271,681; Feb. 3.
Telephone system. P. W. Wadsworth. 2,271,878; Feb. 3.
Television shading control circuit. S. W. Seeley. 2,271,876; Feb. 3.
Temperature indicating device, Effective. G. V. Woodling. 2,271,881; Feb. 3.
Temperature responsive device. C. I. Hall. 2,271,975; Feb. 3.
Tension controlling mechanism. P. L. Tollison and C. S. Caffrey. 2,272,140; Feb. 3.
Terminal connector. F. B. Hewel. 2,271,692; Feb. 3.
Textile materials, Coloration of. H. Platt and C. M. Croft. 2,271,874; Feb. 3.
3-picoline, Purification of. F. E. Cislak and W. R. Wheeler. 2,272,159; Feb. 3.
Thermostat controlled valve. C. N. Shipman and R. P. Grissom. 2,271,833; Feb. 3.
Thermostatic break and make control. J. E. Clayton, Jr. 2,271,813; Feb. 3.
Thermostatic valve. I. M. Jaynes. 2,271,644; Feb. 3.
Throttle actuating device. G. A. Rubissow. 2,271,663; Feb. 3.
Tie nipper. W. E. Haist and P. F. Thomas. 2,272,114; Feb. 3.
Tile cutting and breaking apparatus. E. L. Driver. 2,272,160; Feb. 3.
Time recording machine. H. N. Deane, E. M. Pritchard and E. W. Sherman. 2,271,914; Feb. 3.
Timing device. M. H. Rhodes. 2,271,953; Feb. 3.
Timing traffic light, Safety. E. McGuinness. 2,271,526; Feb. 3.
Toaster, Automatic. A. Strauss. 2,271,520; Feb. 3.
Tool: *See*—
Combination tool. Watchmaker's tool.
Machine tool.
Tool for reciprocating hammers, Attachment. F. J. Pfeiffer and J. Q. Kuhn. 2,271,803; Feb. 3.
Tool supporting frame. G. L. Hart. 2,271,821; Feb. 3.
Torque device, Resilient. G. L. Olson. 2,271,568; Feb. 3.
Tourniquet. E. S. Salghman. 2,271,927; Feb. 3.
Track for vehicles, Self-laying. O. Singer. 2,272,135; Feb. 3.
Traffic controlling apparatus, Railway. E. M. Allen. 2,271,510; Feb. 3.
Traffic controlling apparatus, Railway. P. N. Bossart. 2,272,107; Feb. 3.
Transmitter and the like, Electroacoustic. D. O. Sproule. 2,271,667; Feb. 3.
Transmitter, Single side band and carrier. D. Pollack. 2,272,068; Feb. 3.
Transmitting apparatus for train communication systems. P. P. Ash. 2,272,106; Feb. 3.
Transparent protective covering and the like. S. S. Miller. 2,271,946; Feb. 3.
Trap: *See*—
Animal trap. Electrocuting trap.
Trestle. T. G. Maxwell. 2,271,701; Feb. 3.
Trimming machine. F. Ashworth. 2,271,612; Feb. 3.
Tube: *See*—
Static pressure measuring
Tubing head. F. E. Roberts. 2,272,022; Feb. 3.
Tufting machine. M. Chinnici and R. Canish. 2,271,853; Feb. 3.
Turbine bucket wheel. J. H. Doran. 2,271,971; Feb. 3.
Turbine torque converter. J. Jandasek. 2,271,919; Feb. 3.
2-keto-1,2,3,4-tetrahydronaphthalenes and producing them. H. Andersag and W. Salzer. 2,271,674; Feb. 3.
2-pentanone, 4-hydroxy, 4-methyl, Dehydrating. E. M. Dons and O. G. Mauro. 2,271,684; Feb. 3.
Typewriting machine. J. A. B. Smith. 2,272,098; Feb. 3.
Universal joint. G. E. Dunn and F. Ketcham. 2,271,523; Feb. 3.
Vaccine and preparing the same, Distemper. R. G. Green. 2,271,818–19; Feb. 3.
Valve: *See*—
Atomizer valve. Pressure relief valve.
Brake valve. Safety relief valve.
Cylinder valve. Thermostat control valve.
Fluid actuated valve. Thermostatic valve.
Hydraulic valve.
Valve. G. Schaaf. 2,272,132; Feb. 3.
Valve. W. G. Watkins. 2,271,785; Feb. 3.
Valve. R. H. Zinkil. 2,271,850; Feb. 3.
Valve construction for washing apparatus. E. S. Stoddard. 2,271,993; Feb. 3.
Valve tappet. C. Voorhies. 2,272,074; Feb. 3.
Vegetable protein compositions, Preparing. J. C. Brier and G. W. Mulder. 2,271,620; Feb. 3.
Vehicle: *See*—
Articulated vehicle.
Vehicle body construction. E. Komenda. 2,271,649; Feb. 3.
Vehicle body, especially door. J. J. Calhoun. 2,272,034; Feb. 3.
Vehicle coupling. A. J. Magnan. 2,271,699; Feb. 3.
Ventilation duct for refrigerator cars, Portable. H. M. Wigney. 2,272,143; Feb. 3.
Voltage protection for electrical apparatus, Surge. J. Rebhan. 2,271,890; Feb. 3.
Voting machine. R. F. Shoup. 2,271,958; Feb. 3.
Waffle remover and server. J. E. Clemings. 2,271,812; Feb. 3.
Wall construction. R. Fellom. 2,271,584; Feb. 3.
Wall construction and ground device therefor. A. Lackey. 2,272,162; Feb. 3.
Wall fixture. C. D. Sims. 2,271,928; Feb. 3.
Wall panel. J. V. Nielsen. 2,271,924; Feb. 3.
Washboard. W. P. Griffiths. 2,271,512; Feb. 3.
Washer: *See*—
Lock washer.
Washers, Manufacture of. J. A. Chappuis. 2,271,731; Feb. 3.
Washing machine. B. A. Benson. 2,272,030; Feb. 3.
Washing machine. H. G. Sutton. 2,272,027; Feb. 3.
Waste and overflow mechanism, Combined. E. A. Fredrickson and R. H. Zinkil. 2,271,837; Feb. 3.
Watch. H. J. Guyot. 2,271,593; Feb. 3.
Watchmaker's tool. J. H. Meinhardt. 2,271,945; Feb. 3.
Water, Separating impurities from. C. H. Spaulding. 2,272,026; Feb. 3.
Watertight ship door, Quick-acting. J. F. Raus. 2,271,952; Feb. 3.
Wave transmission network. W. P. Mason. 2,271,870; Feb. 3.
Wear and reinforcing member for concrete floors. L. S. Lachman. 2,271,920; Feb. 3.
Welding apparatus, Electric. R. C. Berry and P. R. Carlton. 2,272,031; Feb. 3.
Welding apparatus, Resistance. H. L. Newell. 2,271,987; Feb. 3.
Welding head, Arc. J. E. Anderson. 2,272,158; Feb. 3.
Well drilling fluid, Conditioned. P. H. Jones. 2,271,695–6; Feb. 3.
Well flowing device. E. L. Barker. 2,271,535; Feb. 3.
Wetting agent. F. Münz and O. Trösken. 2,271,707; Feb. 3.
Wheel: *See*—
Turbine bucket wheel.
Wheel. C. G. Reemes and E. B. Smith. 2,272,019; Feb. 3.
Window sash and locking device. A. E. Waterman. 2,271,930; Feb. 3.
Wire coating die. R. W. Mungall. 2,271,986; Feb. 3.
Wiring system, Underfloor. J. W. Lewin. 2,271,798; Feb. 3.
Wool grease, Recovery of. C. R. Brown. 2,271,621; Feb. 3.
Work and tool holder, Combined. C. T. Allmendinger. 2,271,532; Feb. 3.
Writing instrument. B. M. Tapner. 2,272,139; Feb. 3.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 3, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF REGISTRANTS OF TRADE-MARKS

Allen's, N. R., Sons Company, Kenosha, Wis., assignor, by mesne assignments, to The United States Leather Company, New York, N. Y. Leather. 153,094; renewed Mar. 14, 1942.

Al-Mo-Co Corporation, Cincinnati, Ohio. Instant coffee preparation. 393,415; Feb. 10; Serial No. 447,552; published Dec. 2, 1941. Class 46.

American Cocoanut Butter Company, Chicago, Ill., and New York, assignor to The Best Foods, Inc., New York, N. Y. Refined vegetable oil. 154,470–1; renewed Apr. 18, 1942.

American Cocoanut Butter Company, Chicago, Ill., and New York, assignor to The Best Foods, Inc., New York, N. Y. Cocoanut butter. 154,472; renewed Apr. 18, 1942.

American Fabrics Company, The, Bridgeport, Conn. Featherstitch braid and embroidery edging. 155,596; renewed June 6, 1942.

American Food Products Company. (See Besso, Alec.)

American Goldscheider Corporation, The, Trenton, N. J. Ceramic figurines. 393,361; Feb. 10; Serial No. 443,179; published Nov. 25, 1941. Class 50.

American Laundry Machinery Company, The, Norwood, Ohio. Laundry appliances and machines. 155,192; renewed May 23, 1942.

American Lead Pencil Company, New York, N. Y. Rubber bands. 149,339; renewed Dec. 13, 1941.

American Safety Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 393,412; Feb. 10; Serial No. 447,477; published Dec. 2, 1941. Class 23.

American Tobacco Company, The. (See Melachrino, M., Co., Inc., assignor.)

American Tobacco Company, The. (See Falk Tobacco Company, Incorporated, assignor.)

Arango y Arango, Tampa, Fla. Cigars. 393,380; Feb. 10; Serial No. 446,409; published Nov. 25, 1941. Class 17.

Autopoint Company. (See Realite Pencil Co., assignor.)

Bagots, Hutton & Kinahan Limited. (See Kinahan & Company, Limited.)

Bates Manufacturing Company, The. (See Mun-Kee Products Corporation, assignor.)

Belvidere Strap Co. Inc., New York, N. Y., now by change of name Belvidere, Inc. Leather cigarette cases, tobacco pouches, and pipe holders. 393,367; Feb. 10; Serial No. 444,695; published Nov. 25, 1941. Class 8.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 393,425; Feb. 10; Serial No. 447,903; published Dec. 2, 1941. Class 2.

Bennett, Fred S., Inc., New York, N. Y. Waterproof fabrics. 151,674; renewed Feb. 14, 1942.

Benoliel, Solomon D., assignor to International Chemical Company, Inc., Philadelphia, Pa. Cleaners for metal prior to plating, japanning, galvanizing, and rough cleaning. 155,619; renewed June 6, 1942.

Besso, Alec, doing business as American Food Products Company, New York, N. Y. Chewing gum. 393,388; Feb. 10; Serial No. 446,856; published Nov. 25, 1941. Class 46.

Best Foods, Inc., The. (See American Cocoanut Butter Company.)

Bloedel, Stewart & Welch Limited. (See Shuli Lumber & Shingle Co.)

Boos, Henry P., doing business as Henry P. Boos Dental Laboratories, Minneapolis, Minn. Full dentures, partial dentures, and for a resin compound for manufacturing dentures. 393,422; Feb. 10; Serial No. 447,654; published Dec. 2, 1941. Class 44.

Borden Company, The. (See Nissley Creamery Company, assignor.)

Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Engine and machine bearings and bushings. 155,933; renewed June 13, 1942.

Bradley Pulverizer Co., assignor to Bradley Pulverizer Company, Boston, Mass. Grinding and pulverizing mills. 153,670; renewed Mar. 28, 1942.

Brittains, Limited, Township of Cheddleton, England, to Brittains, Limited, Cheddleton, near Leek, England. Papers. 154,885; renewed May 16, 1942.

Brittains, Limited, Cheddleton, England, to Brittains, Limited, Cheddleton, near Leek, England. Papers. 155,207; renewed May 23, 1942.

Brompton Pulp & Paper Company, Limited, Montreal, Quebec, Canada. Newsprint paper. 154,887; renewed May 16, 1942.

Burton-Dixie Corporation. (See Robinson-Roders Co., assignor.)

Carnegie Dock & Fuel Company, Minneapolis, Minn. Coal. 393,384; Feb. 10; Serial No. 446,690; published Dec. 2, 1941. Class 1.

Carpenter Steel Company, The, Reading, Pa. Tool steels in bars, billets, and shapes. 151,702–3; renewed Feb. 14, 1942.

Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizer. 393,389; Feb. 10; Serial No. 446,861; published Nov. 25, 1941. Class 10.

Chautauqua Cabinet Company, doing business under the name "Kling Factories," Mayville, N. Y. Bedroom furniture. 393,397; Feb. 10; Serial No. 446,989; published Dec. 2, 1941. Class 32.

Cheramy, Inc., New York, N. Y. Talcum powder, rouge, cold cream, toilet water, face powder, brilliantine, sachet, and perfume. 155,640; renewed June 6, 1942.

Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic chipping and riveting hammers and drills and repair parts thereof. 151,448; renewed Feb. 7, 1942.

Cleaner's Specialties, Inc., Kansas City, Mo. Venetian type metal awnings. 393,410; Feb. 10; Serial No. 447,362; published Dec. 2, 1941. Class 32.

Cohen, Goldman & Co., Inc., New York, N. Y. Clothing. 155,644; renewed June 6, 1942.

Consolidated Biscuit Company. (See Hampton Cracker Co.)

Corn Products Refining Company, New York, N. Y. Pudding powder, pie filling, and a preparation for frostings, fudge, etc. 393,377; Feb. 10; Serial No. 446,192; published Oct. 14, 1941. Class 46.

Corn Products Refining Company, New York, N. Y. Liquid glucose or corn sirup for food purposes, solid glucose or corn sugar, and cornstarch. 154,522; renewed Apr. 18, 1942.

Corn Products Refining Company. (See National Starch Manufacturing Company, assignor.)

Corona Coal Company, assignor to De Bardeleben Coal Corporation, Birmingham, Ala. Coal. 154,782; renewed May 9, 1942.

Craddock-Terry Company, assignor to Craddock-Terry Shoe Corp., Lynchburg, Va. Children's shoes. 155,948; renewed June 13, 1942.

Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 393,411; Feb. 10; Serial No. 447,390; published Dec. 2, 1941. Class 46.

Davis, Horace W., New York, N. Y., to Horace W. Davis, Pittsfield, Mass. Toilet preparations. 150,324; renewed Jan. 3, 1942.

Dayton Color Works Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Flat wall paint. 153,434; renewed Mar. 21, 1942.

Dayton Color Works Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. House paint. 154,203; renewed Apr. 11, 1942.

Dayton Color Works Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Black ready-mixed paint. 154,915; renewed May 16, 1942.

De Bardeleben Coal Corporation. (See Corona Coal Company, assignor.)

Defender Photo Supply Co., Inc., Rochester, N. Y. Photographic chemicals and chemical preparations. 155,664; renewed June 6, 1942.

Diadem Mfg. Co., Fitchburg, to Diadem Incorporated, Leominster, Mass., successor. Notions and fancy goods. 151,737; renewed Feb. 14, 1942.

Dingoli Importing Co. (See Matranga, Tommaso.)

Dixie Mercerizing Company, Chattanooga, Tenn. Yarns. 149,368; renewed Dec. 13, 1941.

Domestic Engine & Pump Company, Shippensburg, Pa. Internal combustion engines, automatic priming centrifugal pumps, sump pumps, etc. 393,416; Feb. 10; Serial No. 447,538; published Dec. 2, 1941. Class 23.

Dorow, Ray O., Wauwatosa, Wis. Book matches. 393,396; Feb. 10; Serial No. 446,965; published Nov. 25, 1941. Class 9.

Doxsee Company, Inc., The, Brooklyn, N. Y. Clam products—namely, clam broth, clams, clam juice, etc. 393,368; Feb. 10; Serial No. 444,901; published Nov. 25, 1941. Class 46.

Dupli-Color Products Company, Chicago, Ill. Ready mixed paints. 393,378; Feb. 10; Serial No. 446,194; published Dec. 2, 1941. Class 16.

Dutch Cheese Importers Co. (See Rosenberg, Alexander.)

Eagle Pencil Company, New York, N. Y. Wood encased lead pencils. 393,400; Feb. 10; Serial No. 447,013; published Nov. 25, 1941. Class 37.

Elmer Candy Co. Inc., New Orleans, La. Cheese-coated food product in the form of curls, manufactured from corn meal and other ingredients. 393,362; Feb. 10; Serial No. 443,716; published Dec. 2, 1941. Class 46.

Elmer, Lewis S. (See McGuire, Luke P.)

Engelman, Helen, Elsa, Tex. Fresh citrus fruits. 393,401–2; Feb. 10; Serial Nos. 447,014–15; published Dec. 2, 1941. Class 46.

Engelman, Helen, doing business as Engelman Products Company, Elsa, Tex. Fresh citrus fruits and canned citrus juices for food purposes. 393,403–4; Feb. 10; Serial Nos. 447,016–17; published Dec. 2, 1941. Class 46.

Erwin Cotton Mills Company, The, West Durham, N. C. Sheets and pillowcases and cotton goods in the piece. 152,164; renewed Feb. 21, 1942.

Falk Tobacco Company, Incorporated, assignor to The American Tobacco Company, New York, N. Y. Cigars, cigarettes, smoking and chewing tobacco. 152,763; renewed Mar. 7, 1942.
Filene's, Wm., Sons Company, Boston, Mass. Boots and shoes. 155,961; renewed June 13, 1942.
Filene's, Wm., Sons Company, Boston, Mass. Hats. 155,962; renewed June 13, 1942.
Folger, J. A., & Co., San Francisco, Calif. Coffee, tea, spices, etc. 152,775; renewed Mar. 7, 1942.
Forstmann & Huffmann Company, assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 150,364; renewed Jan. 3, 1942.
Fram Corporation, East Providence, R. I. Tubes for oil filter connections. 393,376; Feb. 10; Serial No. 445,983; published Dec. 2, 1941. Class 35.
Geiger, J. W., & Co., New York, N. Y. Waterproof fabric used for shower curtains, sheets, and raincoats. 393,407; Feb. 10; Serial No. 447,127; published Nov. 25, 1941. Class 50.
General Fireproofing Company, The, Youngstown, Ohio. Filing folders, paper-filing folders, index cards, etc. 154,030; renewed Apr. 4, 1942.
Gillette Safety Razor Company, Boston, Mass. Safety razors. 154,544; renewed Apr. 18, 1942.
Gillette Safety Razor Company, Boston, Mass. Safety razors. 154,947–9; renewed May 16, 1942.
Givens, Edward S., assignor to John T. Kennedy Sales Company, Kansas City, Mo. Toilet preparation—namely, face lotion. 151,491; renewed Feb. 7, 1942.
Goldsborough, John B. (See Pruyn, Francis L.)
Great Eastern Industrial Co. (See Sohn, Leo D.)
Green, B., & Co., Baltimore, Md. Grocers products—namely, mayonnaise, tomato sauce, canned peas, canned corn, etc. 393,390; Feb. 10; Serial No. 446,871; published Dec. 2, 1941. Class 46.
Greenebaum, J., Tanning Company, Chicago, Ill. Leather used in the manufacture of suitcases, trunks, bags, etc. 393,381; Feb. 10; Serial No. 446,455; published Nov. 25, 1941. Class 1.
Griffith Laboratories, Inc., The, also doing business as The Griffith Laboratories, Chicago, Ill. Fatty composition to be added to lard to improve its keeping qualities. 393,371; Feb. 10; Serial No. 445,692; published Nov. 25, 1941. Class 46.
Haines City Citrus Growers Association, Haines City, Fla. Fresh citrus fruit. 393,417–8; Feb. 10; Serial Nos. 447,591–2; published Nov. 25, 1941. Class 46.
Hampton Cracker Co., The, Madison, Ind., to Consolidated Biscuit Company, Inc., Chicago, Ill., and Louisville, Ky., successor. Crackers. 143,632; renewed June 7, 1941.
Hawkins, James E., Spokane, Wash. Game. 393,426; Feb. 10; Serial No. 447,942; published Dec. 2, 1941. Class 22.
Herman, John C., & Company, Harrisburg, to John C. Herman & Company, New Cumberland, Pa. Cigars. 150,841; renewed Jan. 10, 1942.
Herz, Alexander, assignor to Alexander Herz Company, Inc., New York, N. Y. Merchandise envelopes. 148,074; renewed Nov. 8, 1941.
Hoffner Bros. Company, The, Cincinnati, Ohio. Harness leather and sole leather. 155,973; renewed June 13, 1942.
Hofmann, Hans R., Jackson Heights, N. Y. Cheese. 393,355; Feb. 10; Serial No. 441,357; published Nov. 25, 1941. Class 46.
Holophane Glass Co. Inc., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Annual catalogue. 150,404; renewed Jan. 3, 1942.
Holophane Glass Co. Inc., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Glass globes and reflectors for artificial light. 150,405; renewed Jan. 3, 1942.
Homer's Ice Cream Company, Wilmette, Ill. Ice cream. 393,391; Feb. 10; Serial No. 446,875; published Nov. 25, 1941. Class 46.
Hoyt, Charles W., New York, assignor to Effie S. Hoyt, Garden City, N. Y. Books for keeping records. 154,060; renewed Apr. 4, 1942.
Husqvarna Vapenfabriks Aktiebolag, Husqvarna, Sweden. Meat mincers, grinders, and choppers. 153,761; renewed Mar. 28, 1942.
International Chemical Company. (See Benoliel, Solomon D., assignor.)
International Paper Company, New York, N. Y. Printing paper. 393,394; Feb. 10; Serial No. 446,947; published Dec. 2, 1941. Class 37.
Jacobs Brothers, assignor to Jacobs Brothers, Incorporated, Baltimore, Md. Girls' and ladies' blouses, dresses, coats, and smocks. 146,265; renewed Sept. 6, 1941.
Jewel Tea Co., Inc., also doing business as Jewel Food Stores, Chicago, Ill. Canned tomatoes, canned cream style white sweet corn, canned fruit cocktail, etc. 393,366; Feb. 10; Serial No. 444,455; published Dec. 2, 1941. Class 46.
Katz, Peres. (See Keystone Hair Net Imp. Corp.)
Kaufmann Bros. & Bondy, Inc., West New York, N. J. Smokers' pipes, cigar, and cigarette holders. 393,406; Feb. 10; Serial No. 447,104; published Nov. 25, 1941. Class 8.
Kees, F. D., Manufacturing Company, Beatrice, Nebr. Electric outlet box hangers, meter boxes, switches, etc. 393,424; Feb. 10; Serial No. 447,811; published Dec. 2, 1941. Class 21.
Kennedy, John T., Sales Company. (See Givens, Edward S., assignor.)
Keystone Hair Net Imp. Corp., New York, to Perez Katz, doing business as Keyston Hair Net Importing Co., Long Island City, N. Y., successor. Hair nets. 150,863; renewed Jan. 10, 1942.
Kinahan & Company, Limited, London, England, and Dublin, Ireland, to Bagots, Hutton & Kinahan Limited, Dublin, Eire, successor. Whiskey. 19,444–5; re-renewed May 5, 1941.
"Kling Factories." (See Chautauqua Cabinet Company.)
Lea & Perrins, Worcester, England, assignor, by mesne assignments, to Lea & Perrins, Inc., New York, N. Y. Sauce for meats, fish, game, gravies, and soup. 21,208; re-renewed May 31, 1942.
Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting. 393,360; Feb. 10; Serial No. 443,165; published Nov. 25, 1941. Class 1.
Logansport Machine, Inc., Logansport, Ind. Pneumatic-hydraulic cylinders, for operating chucks, valves, etc., used with machine tools. 393,351; Feb. 10; Serial No. 438,313; published July 8, 1941. Class 23.
Lowe Brothers Company, The. (See Dayton Color Works Company, The, assignor.)
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 393,373–5; Feb. 10; Serial Nos. 445,851–3; published Dec. 2, 1941. Class 46.
Lowenfels, Frederick F., & Son, New York, N. Y. Butter. 393,385; Feb. 10; Serial No. 446,700; published Nov. 25, 1941. Class 46.
Marshall Field & Company, Chicago, Ill. Piece goods—namely, cambric. 155,480; renewed May 30, 1942.
Matranga, Tommaso, doing business as Dingoli Importing Co., New York, N. Y. Canned olive oil. 393,392; Feb. 10; Serial No. 446,884; published Dec. 2, 1941. Class 46.
Mausert, Otto, to Nature's Herb Company, San Francisco, Calif., successor. Liver-tonic. 150,002; renewed Dec. 27, 1941.
McGuire, Luke P., to Lewis S. Elmer, doing business as Royal Products, Baltimore, Md., successor. Insect exterminator. 150,459; renewed Jan. 3, 1942.
Mead, M. A., & Company, Chicago, Ill. Watches, watch movements, and watch cases. 151,542; renewed Feb. 7, 1942.
Melachrino, M., Co., Inc., assignor to The American Tobacco Company, New York, N. Y. Cigars, cigarettes, smoking and chewing tobacco. 153,643; renewed Mar. 14, 1942.
Mil-K-Botl Corporation of America, The, St. Louis, Mo. Nonalcoholic, maltless beverages and extracts and concentrates for making such beverages. 393,350; Feb. 10; Serial No. 436,477; published Nov. 26, 1940. Class 45.
Miller, Fred, Brewing Company, assignor, by mesne assignments, to Miller Brewing Company, Milwaukee, Wis. Malt sirup. 151,345; renewed Jan. 31, 1942.
Mun-Kee Products Corporation, Los Angeles, Calif., assignor to The Bates Manufacturing Company, West Orange, N. J. Stamp pads for inking, rubber stamps and the like. 151,562; renewed Feb. 7, 1942.
Nashua Gummed and Coated Paper Company. (See Package Paper & Supply Corporation.)
National Licorice Company, Brooklyn, N. Y. Licorice tablets or wafers. 156,018; renewed June 13, 1942.
National Ring Traveler Co., Providence, to National Ring Traveler Co., Pawtucket, R. I. Ring travelers. 156,019–20; renewed June 13, 1942.
National Starch Manufacturing Company, The, Covington, Ky., New York, N. Y., and Cincinnati, Ohio, assignor to Corn Products Refining Company, New York, N. Y. Preparation of starch for laundry or food purposes. 20,943; re-renewed Apr. 5, 1942.
Neville Company, The, Pittsburgh, Pa. Solvent. 393,372; Feb. 10; Serial No. 445,831; published Nov. 25, 1941. Class 16.
Nissley Creamery Company, Fort Worth, Tex., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Sweet milk, buttermilk, ice cream, powdered milk, sweet cream, cheese, and condensed milk. 150,500; renewed Jan. 3, 1942.
Norton Company, Worcester, Mass. Grinding machines and attachments thereto. 152,471; renewed Feb. 28, 1942.
Old Dutch Mustard Company, Inc., Brooklyn, N. Y. Mustard. 393,369; Feb. 10; Serial No. 444,942; published Oct. 14, 1941. Class 46.
Package Paper & Supply Corporation, Springfield, Mass., to Nashua Gummed and Coated Paper Company, Nashua, N. H., successor. Waxed and transparent papers. 152,477; renewed Feb. 28, 1942.
Package Paper & Supply Corporation, Springfield, Mass., to Nashua Gummed and Coated Paper Company, Nashua, N. H., successor. Waxed and transparent papers. 152,931; renewed Mar. 7, 1942.
Package Paper & Supply Corporation, Springfield, Mass., to Nashua Gummed and Coated Paper Company, Nashua, N. H., successor. Waxed and transparent paper. 153,505; renewed Mar. 21, 1942.

Palmer Farms Growers Cooperative Association, Sarasota, Fla. Fresh celery. 393,420; Feb. 10; Serial No. 447,638; published Nov. 25, 1941. Class 46.
Parke, Davis & Company, Detroit, Mich. Tonic nutritive and alterative. 150,512; renewed Jan. 3, 1942.
Paxton and Gallagher Co., Omaha, Nebr. Coffee and tea. 154,655; renewed Apr. 18, 1942.
Pruyn, Francis L., New York, and John B. Goldsborough, Croton-on-the-Hudson, N. Y., as assignees of Stim-U-Plant Tablet Co., Newark, assignor, by mesne assignments, to Stim-U-Plant Tablet Company, Ship Bottom, N. J. Plant food in tablet form. 149,512; renewed Dec. 13, 1941.
Raygram Corporation, New York, N. Y. Photographic print rollers, swivel tops for application to camera tripods, and darkroom aprons. 393,423; Feb. 10; Serial No. 447,670; published Dec. 2, 1941. Class 23.
Realite Pencil Co., assignor, by mesne assignments, to Autopoint Company, Chicago, Ill. Lead pencils. 152,486; renewed Feb. 28, 1942.
Reynolds & Reynolds Company, The, Dayton, Ohio. Bond and ledger papers. 393,363; Feb. 10; Serial No. 444,014; published Dec. 2, 1941. Class 37.
Ripple Corporation, The, as assignee of Samuel Schusterman, New York, N. Y., assignor, by mesne assignments, to Roy P. Ripple, Tampa, Fla. Nonalcoholic, maltless beverage sold as a soft drink and sirup therefor. 151,226; renewed Jan. 24, 1942.
Robinson-Roders Co., Inc., The, Newark, N. J., assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Bedding and cushions, and bedsteads, upholstery springs, and bed-springs. 155,516; renewed May 30, 1942.
Röhm & Haas Company, Philadelphia, Pa. Chemical used for tanning hides. 154,140; renewed Apr. 4, 1942.
Rosenberg, Alexander, doing business as Dutch Cheese Importers Co., New York, N. Y. Pickles. 393,387; Feb. 10; Serial No. 446,814; published Dec. 2, 1941. Class 46.
Royal Products. (See McGuire, Luke P.)
Rugg, E. T., Company, The, Newark, Ohio. Mixed manila and sisal rope. 393,421; Feb. 10; Serial No. 447,639; published Dec. 2, 1941. Class 7.
Russell, Anna E., Bethlehem, Conn. Milk. 393,379; Feb. 10; Serial No. 446,306; published Dec. 2, 1941. Class 46.
Rutland Fire Clay Co., Rutland, Vt. Plastic stove lining. 152,978; renewed Mar. 7, 1942.
St. Pierre Chain Corporation, Worcester, Mass. Repair links for chains. 393,370; Feb. 10; Serial No. 445,215; published Dec. 2, 1941. Class 13.
Sander, Frank S., New York, N. Y. Adjustable dress stand for dressmakers. 393,405; Feb. 10; Serial No. 447,007; published Nov. 25, 1941. Class 50.
Schusterman, Samuel. (See Ripple Corporation, The, assignor.)
Sedberry, James B., Texarkana, Ark., assignor to J. B. Sedberry, Inc., Utica, N. Y. Agricultural and milling machinery, consisting of feed-mills, grinding-mills, crushers, etc. 149,733; renewed Dec. 20, 1941.
Seeman Brothers, assignor to Seeman Brothers, Inc., New York, N. Y., successor. Canned vegetables and fish. 20,942; re-renewed Apr. 5, 1942.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation. 150,564; renewed Jan. 3, 1942.
Shull Lumber & Shingle Co., Seattle, Wash., to Bloedel, Stewart & Welch Limited, Vancouver, British Columbia, Canada, successor. Shingles. 148,739; renewed Nov. 22, 1941.
Silent Watchman Corporation, The, New York, N. Y. Time-recording locks. 156,054; renewed June 13, 1942.
Simons Bros. Company, Philadelphia, Pa. Articles of jewelry and precious-metal ware. 155,526; renewed May 30, 1942.
Sinclair, Robert, Tobacco Company, Limited, The, Newcastle-on-Tyne, England. Cigarettes and smoking tobacco. 150,969; renewed Jan. 10, 1942.
Sinclair, Robert, Tobacco Company, Limited, The, Newcastle-on-Tyne, England. Smoking tobacco. 150,970; renewed Jan. 10, 1942.
Sitroux Company, Inc., The, New York, N. Y. Facial tissues. 393,408; Feb. 10; Serial No. 447,195; published Dec. 2, 1941. Class 37.
Smith & Hemeway Company, Inc., New York, N. Y., and Irvington, assignor to London P. Smith, Inc., Irvington, N. J. Glass cutters. 156,055; renewed June 13, 1942.
Sohn, Leo D., doing business as Great Eastern Industrial Co., Los Angeles, Calif. Canned asparagus, water chestnuts, soya bean curds, soya bean milk, etc. 393,365; Feb. 10; Serial No. 444,101; published Dec. 2, 1941. Class 46.
South Coast Corporation, The, New Orleans, La. Table syrup. 393,413–4; Feb. 10; Serial Nos. 447,494–5; published Dec. 2, 1941. Class 46.
Sperry Candy Company, Milwaukee, Wis. Candy bars. 393,419; Feb. 10; Serial No. 447,622; published Dec. 2, 1941. Class 46.
Stanco Incorporated. (See Standard Oil Company, assignor.)
Standard Brands Incorporated, New York, N. Y. Dill pickles, sour pickles, sweet chow chow, sour chow chow, etc. 393,398; Feb. 10; Serial No. 447,006; published Dec. 2, 1941. Class 46.
Standard Oil Company, Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Mineral oil primarily used in the preparation of cold-creams. 150,122; renewed Dec. 27, 1941.
Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruits—namely, oranges, grapefruit, tangerines, and limes. 393,393; Feb. 10; Serial No. 446,929; published Dec. 2, 1941. Class 46.
Stim-U-Plant Tablet Company. (See Pruyn, F. L., and Goldsborough, assignors.)
Superior Sheet Steel Company, The, Louisville, Ohio. Rolled steel in various forms and finishes. 149,740; renewed Dec. 20, 1941.
Superior Sheet Steel Company, The, Louisville, Ohio. Rolled steel sheets. 150,982; renewed Jan. 10, 1942.
Terminal Grain Company, Fort Worth, Tex. Mixed feeds for poultry, stock, and domestic animals. 393,353–4; Feb. 10; Serial Nos. 440,272–3; published Nov. 25, 1941. Class 46.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 153,022; renewed Mar. 7, 1942.
Tomlinson of High Point, High Point, N. C. Articles of furniture—namely, buffets, dining tables, mirrors, etc. 393,395; Feb. 10; Serial No. 446,957; published Dec. 2, 1941. Class 32.
Tracy-Waldron Fruit Company, Lodi, to L. M. Tracy, Salinas, Calif., successor. Fresh grapes. 154,717; renewed Apr. 18, 1942.
Trappey, B. F., Jeanerette, to B. F. Trappey's Sons, Inc., New Iberia, La., successor. Tobasco sauce, peppers in vinegar, extract of pepper, etc. 153,881; renewed Mar. 28, 1942.
Tremco Manufacturing Company, The, Cleveland, Ohio. Paints for metal, wood, masonry, and like surfaces. 393,383; Feb. 10; Serial No. 446,674; published Dec. 2, 1941. Class 16.
United Co-Operatives, Inc., Indianapolis, Ind. Portland cement. 393,348; Feb. 10; Serial No. 434,092; published Nov. 5, 1940. Class 12.
United Distributing Company. (See Yoshitsu, M.)
United States Envelope Company, Springfield, Mass. Paper and stationery. 155,298; renewed May 23, 1942.
United States Gutta Percha Paint Company, Saco, Maine, and Providence, assignor to United States Gutta Percha Paint Company, Providence, R. I. Ready-mixed paints. 155,107; renewed May 16, 1942.
United States Leather Company, The. (See Allen's, N. R., Sons Company, assignor.)
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 155,547; renewed May 30, 1942.
Untermeyer, Robbins & Co., New York, N. Y. Finger rings. 393,349; Feb. 10; Serial No. 435,327; published Dec. 2, 1941. Class 28.
Victor Manufacturing & Gasket Company, Chicago, Ill. Receptacles for gaskets. 154,175; renewed Apr. 4, 1942.
Vitafreze Corporation, Sacramento, Calif. Frozen confections such as ice cream, ice-milk, and water ices. 393,386; Feb. 10; Serial No. 446,770; published Nov. 25, 1941. Class 46.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fasteners. 393,359; Feb. 10; Serial No. 443,149; published Dec. 2, 1941. Class 13.
Warner, William R., & Co. Inc., Wilmington, Del., New York, N. Y., and St. Louis, Mo., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Medicine in tablet form containing two grains of acetphenetidin, three grains of acetylsalicyclic acid, and one-half grain of caffeine. 155,558; renewed May 30, 1942.
West Virginia Match Corp., Wheeling, W. Va. Matches. 393,357; Feb. 10; Serial No. 442,510; published Dec. 2, 1941. Class 9.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 155,868; renewed June 6, 1942.
Wilson, Thad, Gary, Ind. Chicken, fried or cooked, and meals or luncheons, etc. 393,364; Feb. 10; Serial No. 444,061; published Dec. 2, 1941. Class 46.
Winship, Boit & Co., Wakefield, Mass., and New York, N. Y., assignor to Winship-Boit Company, Wakefield, Mass. Clothing. 156,087; renewed June 13, 1942.
Winsor Wax Co., Inc., New York, N. Y. Wax polish and cleaner for Venetian blinds. 393,352; Feb. 10; Serial No. 439,529; published Nov. 25, 1941. Class 16.
Winter & Co., New York, N. Y. Pianos and organs. 393,356; Feb. 10; Serial No. 442,155; published Dec. 2, 1941. Class 36.
Wood, J. R., & Sons, Inc., New York, N. Y. Finger rings. 393,358; Feb. 10; Serial No. 443,098; published Nov. 25, 1941. Class 28.
Wood, John A., doing business as J. A. Wood & Sons, Walnut and Mira Loma, Calif. Fresh melons. 393,399; Feb. 10; Serial No. 447,009; published Dec. 2, 1941. Class 46.
Woolsey, C. A., Paint & Color Company, Jersey City, N. J., assignor, by mesne assignments, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y. Varnishes, paint-pigments, and paints and colors. 151,269; renewed Jan. 31, 1942.

Woolsey, C. A., Paint & Color Company, Jersey City, N. J., assignor, by mesne assignments, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y. Paints, varnishes, and colors, etc. 151,290; renewed Jan. 24, 1942.
Woolsey, C. A., Paint & Color Company, Jersey City, N. J., assignor, by mesne assignments, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y. Ready-mixed roofing paint, fillers, and varnishes, etc. 155,128; renewed May 16, 1942.
Yoshitsu, M., doing business as United Distributing Company, Los Angeles, Calif. Fresh deciduous fruits and vegetables. 393,382; Feb. 10; Serial No. 446,510; published Dec. 2, 1941. Class 46.
Zabban, Benvenuto, and Vincent Zito, New York, N. Y. Game board or chart in pad form to be played with pencil, etc. 393,409; Feb. 10; Serial No. 447,282; published Dec. 2, 1941. Class 22.
Zito, Vincent. (See Zabban, Benvenuto.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Carnegie Dock & Fuel Company. 393,384; Feb. 10; Serial No. 446,690; published Dec. 2, 1941.
Coal. Corona Coal Company. 154,782; renewed May 9, 1942.
Cotton batting. Lockport Cotton Batting Co. 393,360; Feb. 10; Serial No. 443,165; published Nov. 25, 1941.
Leather. N. R. Allen's Sons Company. 153,094; renewed Mar. 14, 1942.
Leather. J. Greenebaum Tanning Company. 393,381; Feb. 10; Serial No. 446,455; published Nov. 25, 1941.
Leather, Harness and sole. Hoffner Bros. Company. 155,973; renewed June 13, 1942.

CLASS 2

Bags, Paper. Bemis Bro. Bag Company. 393,425; Feb. 10; Serial No. 447,903; published Dec. 2, 1941.
Envelopes, Merchandise. A. Herz. 148,074; renewed Nov. 8, 1941.
Receptacles for gaskets. Victor Manufacturing & Gasket Company. 154,175; renewed Apr. 4, 1942.

CLASS 4

Cleaners for metal. S. D. Benoliel. 155,619; renewed June 6, 1942.

CLASS 6

Chemical used for tanning of hides. Röhm & Haas Company. 154,140; renewed Apr. 4, 1942.
Chemicals and chemical preparations, Photographic. Defender Photo Supply Co. 155,664; renewed June 6, 1942.
Insect exterminator. L. P. McGuire. 150,459; renewed Jan. 3, 1942.
Licorice tablets or wafers. National Licorice Company. 156,018; renewed June 13, 1942.
Liver-tonic. O. Mausert. 150,002; renewed Dec. 27, 1941.
Medicinal preparation. Sharp & Dohme. 150,564; renewed Jan. 3, 1942.
Medicine in tablet form. William R. Warner & Co. Inc. 155,558; renewed May 30, 1942.
Mineral oil. Standard Oil Company. 150,122; renewed Dec. 27, 1941.
Powder, rouge, cold cream, toilet water, etc., Talcum Cheramy, Inc. 155,640; renewed June 6, 1942.
Toilet preparation. E. S. Givens. 151,491; renewed Feb. 7, 1942.
Toilet preparations. H. W. Davis. 150,324; renewed Jan. 3, 1942.
Tonic nutritive and alterative. Parke, Davis & Company. 150,512; renewed Jan. 3, 1942.

CLASS 7

Rope, Mixed manila and sisal. E. T. Rugg Company. 393,421; Feb. 10; Serial No. 447,639; published Dec. 2, 1941.

CLASS 8

Leather cigarette cases, tobacco pouches, and pipe holders. Belvidere Strap Co. Inc. 393,367; Feb. 10; Serial No. 444,695; published Nov. 25, 1941.
Smokers' pipes, cigars, and cigarette holders. Kaufmann Bros. & Bondy, Inc. 393,406; Feb. 10; Serial No. 447,104; published Nov. 25, 1941.

CLASS 9

Book matches. R. O. Dorow. 393,396; Feb. 10; Serial No. 446,965; published Nov. 25, 1941.
Matches. West Virginia Match Corp. 393,357; Feb. 10; Serial No. 442,510; published Dec. 2, 1941.

CLASS 10

Fertilizer. Central Chemical Corporation of Maryland. 393,389; Feb. 10; Serial No. 446,861; published Nov. 25, 1941.
Plant food in tablet form. F. L. Pruyn and J. B. Goldsborough. 149,512; renewed Dec. 13, 1941.

CLASS 11

Stamp pads for inking, rubber stamps and the like. Mun-Kee Products Corporation. 151,552; renewed Feb. 7, 1942.

CLASS 12

Cement, Portland. United Co-Operatives, Inc. 393,348; Feb. 10; Serial No. 434,092; published Nov. 5, 1940.
Shingles. Shuli Lumber & Shingle Co. 148,739; renewed Nov. 22, 1941.
Stove lining, Plastic. Rutland Fire Clay Co. 152,978; renewed Mar. 7, 1942.

CLASS 13

Links for chains, Repair. St. Pierre Chain Corporation. 393,370; Feb. 10; Serial No. 445,215; published Dec. 2, 1941.
Slide fasteners. Waldes Koh-I-Noor, Inc. 393,359; Feb. 10; Serial No. 443,149; published Dec. 2, 1941.

CLASS 14

Steel in various forms and finishes, Rolled. Superior Sheet Steel Company. 149,740; renewed Dec. 20, 1941.
Steel sheets, Rolled. Superior Sheet Steel Company. 150,982; renewed Jan. 10, 1942.
Steels in bars, billets, and shapes, Tool. Carpenter Steel Company. 151,702–3; renewed Feb. 14, 1942.

CLASS 16

Paint, Black ready-mixed. Dayton Color Works Company. 154,915; renewed May 16, 1942.
Paint, fillers, and varnishes, Ready-mixed roofing. C. A. Woolsey Paint & Color Company. 155,128; renewed May 16, 1942.
Paint, Flat wall. Dayton Color Works Company. 153,434; renewed Mar. 21, 1942.
Paint, House. Dayton Color Works Company. 154,203; renewed Apr. 11, 1942.
Paints. Tremco Manufacturing Company. 393,383; Feb. 10; Serial No. 446,674; published Dec. 2, 1941.
Paints, Ready-mixed. United States Gutta Percha Paint Company. 155,107; renewed May 16, 1942.
Paints, Ready mixed. Dupli-Color Products Company. 393,378; Feb. 10; Serial No. 446,194; published Dec. 2, 1941.
Paints, varnishes, and colors, etc. C. A. Woolsey Paint & Color Company. 151,290; renewed Jan. 24, 1942.
Solvent. Neville Company. 393,372; Feb. 10; Serial No. 445,831; published Nov. 25, 1941.
Varnishes, paint-pigments, and paints, and colors. C. A. Woolsey Paint & Color Company. 151,369; renewed Jan. 31, 1942.
Wax polish and cleaner for venetian blinds. Winsor Wax Co. 393,352; Feb. 10; Serial No. 439,529; published Nov. 25, 1941.

CLASS 17

Cigarettes and smoking tobacco. Robert Sinclair Tobacco Company, Limited. 150,969; renewed Jan. 10, 1942.
Cigars. Arango y Arango. 393,380; Feb. 10; Serial No. 446,409; published Nov. 25, 1941.
Cigars. John C. Herman & Company. 150,841; renewed Jan. 10, 1942.
Cigars, cigarettes, smoking and chewing tobacco. Falk Tobacco Company. 152,763; renewed Mar. 7, 1942.
Cigars, cigarettes, smoking and chewing tobacco. M. Melachrino Co. 153,643; renewed Mar. 14, 1942.
Tobacco, Smoking. Robert Sinclair Tobacco Company, Limited. 150,970; renewed Jan. 10, 1942.

CLASS 21

Electric outlet box hangers, meter boxes, switches, etc. F. D. Kees Manufacturing Company. 393,424; Feb. 10; Serial No. 447,311; published Dec. 2, 1941.

CLASS 22

Game. J. E. Hawkins. 393,426; Feb. 10; Serial No. 447,942; published Dec. 2, 1941.
Game board or chart in pad form to be played with pencil, etc. B. Zabban and V. Zito. 393,409; Feb. 10; Serial No. 447,282; published Dec. 2, 1941.
Playing cards. United States Playing Card Company. 155,547; renewed May 30, 1942.

CLASS 23

Cylinders, for operating chucks, valves, etc., Pneumatic-hydraulic. Logansport Machine, Inc. 393,351; Feb. 10; Serial No. 438,313; published July 8, 1941.

Engine and machine bearings and bushings. Bound Brook Oil-Less Bearing Company. 155,933; renewed June 13, 1942.
Glass cutters. Smith & Hemeway Company. 156,055; renewed June 13, 1942.
Grinding machines and attachments thereto. Norton Company. 152,471; renewed Feb. 28, 1942.
Grinding and pulverizing mills. Bradley Pulverizer Co. 153,670; renewed Mar. 28, 1942.
Hammers and drills and repair parts thereof, Pneumatic chipping and riveting. Chicago Pneumatic Tool Company. 151,448; renewed Feb. 7, 1942.
Internal combustion engines, automatic priming centrifugal pumps, sump pumps, etc. Domestic Engine & Pump Company. 393,416; Feb. 10; Serial No. 447,558; published Dec. 2, 1941.
Machinery, Agricultural and milling. J. B. Sedberry. 149,733; renewed Dec. 20, 1941.
Mincers, grinders, and choppers, Meat. Husqvarna Vapenfabriks Aktiebolag. 153,761; renewed Mar. 28, 1942.
Photographic print rollers, swivel tops for application to camera tripods, and darkroom aprons. Raygram Corporation. 393,423; Feb. 10; Serial No. 447,670; published Dec. 2, 1941.
Razors and razor blades. American Safety Razor Corporation. 393,412; Feb. 10; Serial No. 447,477; published Dec. 2, 1941.
Razors, Safety. Gillette Safety Razor Company. 154,544; renewed Apr. 18, 1942.
Razors, Safety. Gillette Safety Razor Company. 154,947–9; renewed May 16, 1942.
Ring travelers. National Ring Traveler Co. 156,019–20; renewed June 13, 1942.

CLASS 24

Laundry appliances and machines. American Laundry Machinery Company. 155,192; renewed May 23, 1942.

CLASS 25

Locks, Time-recording. Silent Watchman Corporation. 156,054; renewed June 13, 1942.

CLASS 27

Watches, watch movements, and watch cases. M. A. Mead & Company. 151,542; renewed Feb. 7, 1942.

CLASS 28

Jewelry and precious-metal ware, Articles of. Simons Bros. Company. 155,526; renewed May 30, 1942.
Rings, Finger. Untermeyer, Robbins & Co. 393,349; Feb. 10; Serial No. 435,327; published Dec. 2, 1941.
Rings, Finger. J. R. Wood & Sons, Inc. 393,358; Feb. 10; Serial No. 443,098; published Nov. 25, 1941.

CLASS 32

Bedding, and cushions, and bedsteads, upholstery springs, and bed-springs. Robinson-Roders Co. 155,516; renewed May 30, 1942.
Furniture, Bedroom. Chatauqua Cabinet Company. 393,397; Feb. 10; Serial No. 446,989; published Dec. 2, 1941.
Furniture—namely, buffets, dining tables, mirrors, etc. Tomlinson of High Point. 393,395; Feb. 10; Serial No. 446,957; published Dec. 2, 1941.
Venetian type metal awnings. Cleaner's Specialties, Inc. 393,410; Feb. 10; Serial No. 447,362; published Dec. 2, 1941.

CLASS 33

Glass globes and reflectors for artificial light. Holophane Glass Co. Inc. 150,405; renewed Jan. 3, 1942.

CLASS 35

Tubes for oil filter connections. Fram Corporation. 393,376; Feb. 10; Serial No. 445,983; published Dec. 2, 1941.

CLASS 36

Pianos and organs. Winter & Co. 393,356; Feb. 10; Serial No. 442,155; published Dec. 2, 1941.

CLASS 37

Books for keeping records. C. W. Hoyt. 154,060; renewed Apr. 4, 1942.
Filing folders, paper-filing guides, index cards, etc. General Fireproofing Company. 154,030; renewed Apr. 4, 1942.
Paper and stationery. United States Envelope Company. 155,298; renewed May 23, 1942.
Paper, Newsprint. Brompton Pulp & Paper Company, Limited. 154,887; renewed May 16, 1942.
Paper, Printing. International Paper Company. 393,394; Feb. 10; Serial No. 446,947; published Dec. 2, 1941.
Paper, Waxed and transparent. Package Paper & Supply Corporation. 153,505; renewed Mar. 21, 1942.
Papers. Brittains, Limited. 154,885; renewed May 16, 1942.
Papers. Brittains, Limited. 155,207; renewed May 23, 1942.
Papers, Bond and ledger. Reynolds & Reynolds Company. 393,363; Feb. 10; Serial No. 444,014; published Dec. 2, 1941.
Papers, Waxed and transparent. Package Paper & Supply Corporation. 152,477; renewed Feb. 28, 1942.
Papers, Waxed and transparent. Package Paper & Supply Corporation. 152,931; renewed Mar. 7, 1942.
Pencils, Lead. Realite Pencil Co. 152,486; renewed Feb. 28, 1942.
Pencils, Wood encased lead. Eagle Pencil Company. 393,400; Feb. 10; Serial No. 447,013; published Nov. 25, 1941.
Rubber bands. American Lead Pencil Company. 149,339; renewed Dec. 13, 1941.
Tissues, Facial. Sitroux Company. 393,408; Feb. 10; Serial No. 447,195; published Dec. 2, 1941.

CLASS 38

Catalogue, Annual. Holophane Glass Co. 150,404; renewed Jan. 3, 1942.

CLASS 39

Blouses, dresses, coats, and smocks. Jacobs Brothers. 146,265; renewed Sept. 6, 1941.
Boots and shoes. Wm. Filene's Sons Company. 155,961; renewed June 13, 1942.
Clothing. Winship, Boit & Co. 156,087; renewed June 13, 1942.
Clothing, Articles of. Cohen, Goldman & Co. 155,644; renewed June 6, 1942.
Hair nets. Keystone Hair Net Imp. Corp. 150,863; renewed Jan. 10, 1942.
Hats. Wm. Filene's Sons Company. 155,962; renewed June 13, 1942.
Shoes, Children's. Craddock-Terry Company. 155,948; renewed June 13, 1942.

CLASS 40

Braid and embroidery edging, Feather-stitch. American Fabrics Company. 155,596; renewed June 6, 1942.
Notions and fancy goods. Diadem Mfg. Co. 151,737; renewed Feb. 14, 1942.

CLASS 42

Piece goods—namely, cambric. Marshall Field & Company. 155,480; renewed May 30, 1942.
Piece goods, Woolen. Forstmann & Huffmann Company. 150,364; renewed Jan. 3, 1942.
Sheets and pillowcases and cotton goods in the piece. Erwin Cotton Mills Company. 152,164; renewed Feb. 21, 1942.

CLASS 43

Yarns. Dixie Mercerizing Company. 149,368; renewed Dec. 13, 1941.

CLASS 44

Dentures, partial dentures, and for a resin compound for manufacturing dentures, Full. H. P. Boos. 393,422; Feb. 10; Serial No. 447,654; published Dec. 2, 1941.

CLASS 45

Beverage and sirup therefor, Nonalcoholic, maltless. Ripple Corporation. 151,226; renewed Jan. 24, 1942.
Beverages and extracts and concentrates for making such beverages. Mil-K-Botl Corporation of America. 393,350; Feb. 10; Serial No. 436,477; published Nov. 26, 1940.

CLASS 46

Butter. Frederick F. Lowenfels & Son. 393,385; Feb. 10; Serial No. 446,700; published Nov. 25, 1941.
Candy. Stephen F. Whitman & Son, Inc. 155,868; renewed June 6, 1942.
Candy and candy bars. Curtiss Candy Company. 393,411; Feb. 10; Serial No. 447,390; published Dec. 2, 1941.
Candy bars. Sperry Candy Company. 393,419; Feb. 10; Serial No. 447,622; published Dec. 2, 1941.
Canned asparagus, water chestnuts, soya bean curds, etc. L. D. Sohn. 393,365; Feb. 10; Serial No. 444,101; published Dec. 2, 1941.
Canned olive oil. T. Matranga. 393,392; Feb. 10; Serial No. 446,884; published Dec. 2, 1941.
Canned tomatoes, cream style white corn, fruit cocktail, etc. Jewel Tea Co. 393,366; Feb. 10; Serial No. 444,455; published Dec. 2, 1941.
Canned vegetables and fish. Seeman Brothers. 20,942; re-renewed Apr. 5, 1942.
Celery, Fresh. Palmer Farms Growers Cooperative Association. 393,420; Feb. 10; Serial No. 447,638; published Nov. 25, 1941.
Cheese, H. R. Hofman. 393,355; Feb. 10; Serial No. 441,357; published Nov. 25, 1941.
Chewing gum. A. Besso. 393,388; Feb. 10; Serial No. 446,856; published Nov. 25, 1941.
Chicken, and meals or luncheons, etc. T. Wilson. 393,364; Feb. 10; Serial No. 444,061; published Dec. 2, 1941.
Clam products—namely, clam broth, clams, clam juice, etc. Doxsee Company. 393,368; Feb. 10; Serial No. 444,901; published Nov. 25, 1941.
Cocoanut butter. American Cocoanut Butter Company. 154,472; renewed Apr. 18, 1942.
Coffee and tea. Paxton and Gallagher Co. 154,655; renewed Apr. 18, 1942.

Coffee preparation, Instant. Al-Mo-Co Corporation. 393,415; Feb. 10; Serial No. 447,552; published Dec. 2, 1941.
Coffee, tea, spices, etc. J. A. Folger & Co. 152,775; renewed Mar. 7, 1942.
Confections, Frozen. Joe Lowe Corporation. 393,373–5; Feb. 10; Serial Nos. 445,851–3; published Dec. 2, 1941.
Crackers. Hampton Cracker Co. 143,632; renewed June 7, 1941.
Dill pickles, sour pickles, sweet chow chow, etc. Standard Brands Incorporated. 393,398; Feb. 10; Serial No. 447,006; published Dec. 2, 1941.
Fatty composition to be added to lard to improve its keeping qualities. Griffith Laboratories, Inc. 393,371; Feb. 10; Serial No. 445,692; published Nov. 25, 1941.
Feeds for poultry, stock, and domestic animals, Mixed. Terminal Grain Company. 393,353–4; Feb. 10; Serial Nos. 440,272–3; published Nov. 25, 1941.
Flour, Wheat. Texas Star Flour Mills. 153,022; renewed Mar. 7, 1942.
Food product in the form of curls, Cheese-coated. Elmer Candy Co. Inc. 393,362; Feb. 10; Serial No. 443,716; published Dec. 2, 1941.
Frozen confections such as ice cream, ice-milk, and water ices. Vitafreeze Corporation. 393,386; Feb. 10; Serial No. 446,770; published Nov. 25, 1941.
Fruit, Fresh citrus. Haines City Citrus Growers Association. 393,417–18; Feb. 10; Serial Nos. 447,591–2; published Nov. 25, 1941.
Fruits and canner citrus juices, Fresh. H. Engelman. 393,403–4; Feb. 10; Serial Nos. 447,016–17; published Dec. 2, 1941.
Fruits and vegetables, Fresh deciduous. M. Yoshitsu. 393,382; Feb. 10; Serial No. 446,510; published Dec. 2, 1941.
Fruits, Fresh citrus. H. Engelman. 393,401–2; Feb. 10; Serial Nos. 447,014–15; published Dec. 2, 1941.
Fruits, Fresh citrus. Stanford Fruit Growers, Inc. 393,393; Feb. 10; Serial No. 446,929; published Dec. 2, 1941.
Glucose or corn sirup, solid glucose or corn sugar, and cornstarch, liquid. Corn Products Refining Company. 154,522; renewed Apr. 18, 1942.
Grapes, Fresh. Tracy-Waldron Fruit Company. 154,717; renewed Apr. 18, 1942.
Grocers products—namely, mayonnaise, tomato sauce, canned peas, etc. B. Green & Co. 393,390; Feb. 10; Serial No. 446,871; published Dec. 2, 1941.
Ice cream. Homer's Ice Cream Company. 393,391; Feb. 10; Serial No. 446,875; published Nov. 25, 1941.
Melons, Fresh. J. A. Wood. 393,399; Feb. 10; Serial No. 447,009; published Dec. 2, 1941.
Milk. A. E. Russell. 393,379; Feb. 10; Serial No. 446,306; published Dec. 2, 1941.
Milk, buttermilk, ice cream, cheese, etc., Sweet. Nissley Creamery Company. 150,500; renewed Jan. 3, 1942.
Mustard. Old Dutch Mustard Company. 393,369; Feb. 10; Serial No. 444,942; published Oct. 14, 1941.
Pickles. A. Rosenberg. 393,387; Feb. 10; Serial No. 446,814; published Dec. 2, 1941.
Pudding powder, pie filling, and a preparation for frostings, fudge, etc. Corn Products Refining Company. 393,377; Feb. 10; Serial No. 446,192; published Oct. 14, 1941.
Sauce for meats, fish, game, gravies, and soup. Lea & Perrins. 21,208; re-renewed May 31, 1942.
Sirup, Malt. Fred Miller Brewing Company. 151,345; renewed Jan. 31, 1942.
Starch for laundry or food purposes, Preparation of. National Starch Manufacturing Company. 20,943; renewed Apr. 5, 1942.
Syrup, Table. South Coast Corporation. 393,413–4; Feb. 10; Serial Nos. 447,494–5; published Dec. 2, 1941.
Tobasco sauce, peppers in vinegar, extract of pepper, etc. B. F. Trappey. 153,881; renewed Mar. 28, 1942.
Vegetable oil, Refined. American Cocoanut Butter Company. 154,470–1; renewed Apr. 18, 1942.

CLASS 49

Whiskey. Kinahan & Company, Limited. 19,444–5; renewed May 5, 1941.

CLASS 50

Ceramic figurines. American Goldscheider Corporation. 393,361; Feb. 10; Serial No. 443,179; published Nov. 25, 1941.
Dress stand for dress-makers, Adjustable. F. S. Sanders. 393,405; Feb. 10; Serial No. 447,007; published Nov. 25, 1941.
Waterproof fabric used for shower curtains, sheets, and raincoats. J. W. Geiger & Co. 393,407; Feb. 10; Serial No. 447,127; published Nov. 25, 1941.
Waterproof fabrics. Fred S. Bennett, Inc. 151,674; renewed Feb. 14, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Brake Shoe and Foundry Company, The. (See Wilson, Rosser L., assignor.)
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Controlling mechanism for agricultural implements. Re. 22,019; Feb. 10.
Deere & Company. (See Brown, Theophilus, assignor.)
Fulkerson, Elmer M. and J. C., Sonora, Ky. Rotary spreader. Re. 22,020; Feb. 10.
Fulkerson, Jesse C. (See Fulkerson, Elmer M. and J. C.)
Morris, Morgan J. R., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Steel containing tellurium. Re. 22,021; Feb. 10.
Peters, Ambrose A., Milwaukee, Wis. Coffee-making device. Re. 22,022; Feb. 10.
Republic Steel Corporation. (See Morris, Morgan J. R., assignor.)
Szumkowski, Leonard, Chicago, Ill. Sweatband for hats. Re. 22,023; Feb. 10.
Van Hook, Charles F., Warren Point, N. J. Torque band brake. Re. 22,024; Feb. 10.
Wald, George, Fort Totten, N. Y. Picture and sound apparatus. Re. 22,025; Feb. 10.
Wilson, Rosser L., Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Control apparatus. Re. 22,026; Feb. 10.

LIST OF DESIGN PATENTEES

Benson, Ivar, and H. W. Levy, Seattle, Wash. Spacer block for a camera. 131,341; Feb. 10.
Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 131,398; Feb. 10.
Buxton, Incorporated. (See Broughton, Douglas J., assignor.)
Chernow, Michael, New York, N. Y. Bracelet. 131,373; Feb. 10.
Chéron, Pierre J., Stratford, Conn., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hairbrush. 131,357; Feb. 10.
Chéron, Pierre J., Stratford, Conn., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hairbrush. 131,358; Feb. 10.
Crane, Ralph W., Detroit, Mich. Emblem pin or the like. 131,359; Feb. 10.
Crohn, Barbara F., New York, N. Y. Bathing cap. 131,385; Feb. 10.
Dailey, Donald E., Germantown, and H. L. Van Doren, Bryn Mawr, assignors to Philco Corporation, Philadelphia, Pa. Domestic refrigerator. 131,342; Feb. 10.
Daum, Charles, Forest Hills, Long Island, N. Y. Combined shelf and mirror unit. 131,343; Feb. 10.
Daum, Charles, Forest Hills, Long Island, N. Y. Wall shelf. 131,344; Feb. 10.
Electrolux Corporation. (See Guild, Lurelle, assignor.)
Etkin, Simon, New York, N. Y. Coat. 131,386; Feb. 10.
Forgy, Lorin, Beloit, Kans. Plow. 131,399; Feb. 10.
Geist, Irving, New York, N. Y. Blouse. 131,387; Feb. 10.
Geist, Irving, New York, N. Y. Blouse. 131,388; Feb. 10.
Geist, Irving, New York, N. Y. Blouse. 131,389; Feb. 10.
Glocksine, John R., and A. Zucker, Bay City, Mich. Stop and tail light housing for automobiles. 131,345; Feb. 10.
Goldberg, Jacob M., Denver, Colo. Moving picture reel. 131,400; Feb. 10.
Guild, Lurelle, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y. Sprayer. 131,346; Feb. 10.
Harris, Todd, Brooklyn, N. Y. Coat hanger. 131,347; Feb. 10.
Howard, Styles T., Jeffersonville, Ind. Roasting or baking pan. 131,350; Feb. 10.
Humphrey, Edwin C., Larchmont, and W. Pels, New Rochelle, N. Y. Badge or similar article. 131,374; Feb. 10.
Jedlicka, Agnes G., Des Moines, Iowa. Game board. 131,375; Feb. 10.
Jones, Elizabeth F., Hubbard Woods, Ill. Game board. 131,360; Feb. 10.
Knape, Fred, Middle Village, N. Y. Car emblem or the like. 131,351; Feb. 10.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 131,390; Feb. 10.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 131,391; Feb. 10.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 131,392; Feb. 10.
Lampl, Walter, New York, N. Y. Pin or the like. 131,401; Feb. 10.
Levy, Harris W. (See Benson, I., and Levy.)
Levy-Hawes, Felix, Harrison, N. Y. Bottle. 131,361; Feb. 10.
MacDonald, William W., Mountain View, and J. R. Pomfret, assignors to M. L. Rosenfeld, San Francisco, Calif. Industrial truck. 131,362; Feb. 10.
Mathews, Evelyn M. (See Mathews, Joseph F. and E. M.)
Mathews, Joseph F. and Evelyn M., Oakland, Calif. Pop-gun. 131,363; Feb. 10.
Mathews, Joseph F. and Evelyn M., Oakland, Calif. Pop-gun. 131,364; Feb. 10.
McPherson, Harry R., Columbus, Ohio. Wrist-carried flash-light or similar article. 131,352; Feb. 10.
Miller, Walter C., Abington, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace table cloth. 131,348; Feb. 10.
Murray Ohio Manufacturing Co., The, et al. (See Schreckengost, Viktor, assignor.)
National Carbon Company. (See Wilker, Arthur V., assignor.)
Novi Equipment Company. (See Welch, Lewis W., assignor.)
Pels, Walter. (See Humphrey, Edwin C., and Pels.)
Peo, Howard J., Rochester, N. Y. Game board. 131,376; Feb. 10.
Peo, Howard J., Rochester, N. Y. Game board. 131,377; Feb. 10.
Philco Corporation. (See Dailey, D. E., and Van Doren.)
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,365; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,366; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,367; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,368; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,369; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,370; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,371; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,378; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,379; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,380; Feb. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,381; Feb. 10.
Pomfret, John R. (See McDonald, W. W., and Pomfret.)
Pro-phy-lac-tic Brush Company. (See Chéron, Pierre J., assignor.)
Quaker Lace Company Incorporated. (See Miller, Walter C., assignor.)
Ramsey, Maxwell E., Clayton, Mo. Burial casket or similar article. 131,382; Feb. 10.
Reed, Alfred S., Ripon, Wis., and C. J. Thelander, Chicago, Ill., assignors to Ripon Knitting Works, Ripon, Wis. Golf-club head cover. 131,372; Feb. 10.
Riesenberg, Samuel, New York, N. Y. Coat. 131,393; Feb. 10.
Ripon Knitting Works. (See Reed, A. S., and Thelander, assignors.)
Ripon Knitting Works. (See Thelander, Clement J., assignor.)
Rosen, Arthur, Roxbury, Mass. Dress ensemble. 131,394; Feb. 10.
Rosenfeld, Max L. (See McDonald, W. W., and Pomfret, assignors.)
Roskin, Israel, New York, N. Y. Gem setting or similar article. 131,402; Feb. 10.
Sadinoff, Max, Bronx, N. Y. Lace curtain or similar article. 131,395; Feb. 10.

Schreckengost, Viktor, Cleveland, Ohio, assignor of one-half to Sears, Roebuck and Co., Chicago, Ill., and one-half to The Murray Ohio Manufacturing Co., Cleveland, Ohio. Cabinet. 131,353; Feb. 10.

Schreckengost, Viktor, Cleveland, Ohio, assignor of one-half to Sears, Roebuck and Co., Chicago, Ill., and one-half to The Murray Ohio Manufacturing Co., Cleveland, Ohio. Cabinet. 131,354; Feb. 10.

Sears, Roebuck and Co., et al. (See Schreckengost, Viktor, assignor.)

Shotland, Abraham, New York, N. Y. Suit. 131,396; Feb. 10.

Shotland, Abraham, New York, N. Y. Suit. 131,397; Feb. 10.

Solins, Elmore, New York, N. Y. Rug or similar article. 131,349; Feb. 10.

Thelander, Clement J. (See Reed, A. S., and Thelander.)

Thelander, Clement J., Chicago, Ill., assignor to Ripon Knitting Works, Ripon, Wis. Golf club head cover. 131,383; Feb. 10.

Van Doren, Harold L. (See Dailey, D. E., and Van Doren.)

Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Heater. 131,355; Feb. 10.

Wilker, Arthur V., Scarsdale, N. Y., assignor to National Carbon Company, Inc. Make-up cape. 131,384; Feb. 10.

Woginrich, Joseph, Walnutport, Pa. Skimming spoon. 131,356; Feb. 10.

Zucker, Anton. (See Glocksine, J. R., and Zucker.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1942

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Adams Company, The. (See Demkier, L. A., and Hostetter, assignors.)

Adkins, Bernard. (See Lane, A. C., and Adkins.)

Adlake Company, The. (See Verhagen, Christian M., assignor.)

Aetna-Standard Engineering Company. (See Dahlstrom, Frank P., assignor.)

Aetna-Standard Engineering Company, The. (See Fisher, Edward J. P., assignor.)

Aetna-Standard Engineering Company, The. (See George, J. R., and Lewis, assignors.)

Affel, Herman A., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unattended mechanical repeater. 2,272,389; Feb. 10.

Agnew, Norman F., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,272,786; Feb. 10.

Ahlberg, Jacob E. (See Kinneberg, I. H., and Ahlberg.)

Akron Standard Mold Company, The. (See Voth, Walter P., assignor.)

Alford, Andrew, assignor to International Telephone Development Co., Inc., New York, N. Y. Landing beacon system. 2,272,997; Feb. 10.

Allardt, Ernst W., Parma, assignor to The Yoder Company, Cleveland, Ohio. Mechanism for cutting bodies into sections. 2,272,179; Feb. 10.

Allen, Earl H., Fanwood, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Radio station selector. 2,272,627; Feb. 10.

Allen, Howard G., North Tonawanda, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Bag opening and filling machine. 2,272,258; Feb. 10.

Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizing press. 2,272,887; Feb. 10.

Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Driving device. 2,272,760; Feb. 10.

Allied Chemical & Dye Corporation. (See Mow, Harold G., assignor.)

Altorfer Bros. Company. (See Castricone, John A., assignor.)

Aluminum Company of America. (See Arthur, Furman C., assignor.)

Amberg, Ralph G., Libertyville, assignor to Universal Paper Products Company, Chicago, Ill. Paper cup and blank therefor. 2,272,499; Feb. 10.

American Anode Inc. (See Beal, Carl L., assignor.)

American Brake Shoe and Foundry Company, The. (See Nettenstrom, Arthur R., assignor.)

American Brake Shoe and Foundry Company, The. (See Wilson, Rosser L., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Chain & Cable Company. (See Robinson, Harry G., assignor.)

American Creosoting Company. (See Kidder, Elwin H., assignor.)

American Creosoting Company, Inc. (See Wiese, George F., assignor.)

American Cyanamid Company. (See Hull, Washington, assignor.)

American Cyanamid Company. (See Ripper, Kurt, assignor.)

American Locomotive Company. (See Blunt, James G., assignor.)

American Machine and Metals, Inc. (See Chamberlin, John W., assignor.)

American Optical Company. (See Styll, Harry H., assignor.)

American Seating Company. (See Hanson, Walter M., assignor.)

American Seating Company. (See Merrill, Ralph K., assignor.)

American Steel Foundries. (See Simanek, Edward J., assignor.)

Ames, Frank K., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Fastener holding fixture. 2,272,259; Feb. 10.

Anderson, Edmund A., and G. Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,272,390; Feb. 10.

Anderson, Edmund A., and G. Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,272,391; Feb. 10.

Anderson, Edmund A., and G. Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,272,392; Feb. 10.

Anderson, Edmund A., and G. Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Alloy. 2,272,393; Feb. 10.

Anderson, Einar, New York, N. Y. Lock for kitchen closets. 2,272,825; Feb. 10.

Anderson, Frank A., Chicago, Ill. Tape dispenser. 2,272,628; Feb. 10.

Andres, Lloyd J., Chicago, Ill., and T. M. Wright, North Tonawanda, N. Y., assignors to Automatic Instrument Company, Grand Rapids, Mich. Automatic selective record changer. 2,272,500; Feb. 10.

Andrews, Alton M., Modesto, Calif. Self-sealing cap. 2,272,653; Feb. 10.

Andrle, Gibb E., Oakland, Calif. Rotary burner. 2,272,593; Feb. 10.

Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,272,285; Feb. 10.

Antiseptics, Inc. (See Becher, H., Keston, and Stein, assignors.)

Antiseptics, Inc. (See Becher, H., Ross, and Stein, assignors.)

Antiseptics, Inc. (See Becher, H., Stein, and Ross, assignors.)

Apex Electrical Manufacturing Company, The. (See Frantz, W. A., and McCabe, assignors.)

Armour and Company. (See Sheely, Madison L., assignor.)

Armstrong Cork Company. (See Pennell, Philip H., assignor.)

Armstrong, Ernest, assignor of one-half to A. J. Reynolds, Ottawa, Ontario, Canada. Suction cleaner. 2,272,394; Feb. 10.

Arthur, Furman C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Metallic pigment. 2,272,629; Feb. 10.

Asbestos Manufacturing Company. (See Shriver, William C., assignor.)

Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)

Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)

Associated Electric Laboratories, Inc. (See Sigo, Arthur T., assignor.)

Associated Electric Laboratories, Inc. (See Wood, Fredric E., assignor.)

Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Excavator. 2,272,540; Feb. 10.

Auto Coolers, Inc. (See Hoesel, Anthony F., assignor.)

Auto Coolers, Inc. (See Nelson, Christian B., assignor.)

Autogiro Company of America. (See Stanley, P. H., and Larsen, assignors.)

Automatic Canteen Company of America. (See Carlson, John W., assignor.)

Automatic Control Corporation. (See Persons, Lawrence M., assignor.)

Automatic Instrument Company. (See Andres, L. J., and Wright, assignors.)

Awbrey, William P., Kansas City, Mo. Bar support and spacer. 2,272,761; Feb. 10.

Awbrey, William P., Kansas City, Mo. Base screed. 2,272,762; Feb. 10.

Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Circuit controller. 2,272,763; Feb. 10.

B. V. D. Corporation, The. (See Doumaux, Jerome N., assignor.)

Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control mechanism. 2,272,864; Feb. 10.

Baer, Mabel M., et al. (See Norman, Joseph T., assignor.)

Bailey, Harold G. (See Lockett, P. F., Jones, and Bailey.)

Bailey, Harold G., and W. C. Jones, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Stitching mechanism. 2,272,180; Feb. 10.

Bakelite Corporation. (See Swan, Hylton, assignor.)

Baker, Benjamin P. (See Ludwig, L. R., Rawlins, and Baker.)

Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Tractor. 2,272,286; Feb. 10.

Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Brake control mechanism. 2,272,287; Feb. 10.
Baker, Virgil H. (See Keebler, P. T., and Baker.)
Ballagh, James C., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif. Drill pipe wiper. 2,272,395; Feb. 10.
Ballentine, William I., Beverly Hills, and C. C. Coghlan, Los Angeles, Calif. Container closure. 2,272,260; Feb. 10.
Barbato, Theodore, White Plains, N. Y. Slab flooring. 2,272,854; Feb. 10.
Bardsley, Harold W., Tulsa, Okla. Snatch block. 2,272,826; Feb. 10.
Barker, Bruce J., Richmond, Ind. Claw bar. 2,272,362; Feb. 10.
Barlow & Seelig Manufacturing Company. (See Schroeder, Simon E., assignor.)
Barnes, Carl E., Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Optical resin comprising a polymerized unsaturated methylene compound containing a polynuclear aromatic compound. 2,272,827; Feb. 10.
Barrett-Cravens Company. (See Harlan, Stephen O., assignor.)
Barth, Jay E., Detroit, Mich., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Positioning device. 2,272,929; Feb. 10.
Basic Refractories, Incorporated. (See Lee, Harley C., assignor.)
Battermann, Ludwig A., Rocky Point, N. Y., assignor to Radio Corporation of America. Insulator mounting for transmission lines. 2,272,288; Feb. 10.
Bauer, Stewart W., Harrisburg, Pa., assignor to Bethlehem Steel Company. Manipulator for rails or the like. 2,272,501; Feb. 10.
Bauer, Stewart W., Harrisburg, Pa., assignor to Bethlehem Steel Company. Manipulator for rails or the like. 2,272,502; Feb. 10.
Bayerische Motoren Werke Aktiengesellschaft. (See Starke, Iognobert, assignor.)
Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Contacting device for high pressure absorption. 2,272,503; Feb. 10.
Beal, Carl L., Cuyahoga Falls, assignor to American Anode Inc., Akron, Ohio. Making pneumatic cushions 2,272,289; Feb. 10.
Beal, Carl L., Cuyahoga Falls, assignor to American Anode, Inc., Akron, Ohio. Rubber article and making the same. 2,272,290; Feb. 10.
Beard, Lee R., Fort Wayne, Ind., assignor to General Electric Company. Refrigerating system. 2,272,764; Feb. 10.
Becher, Harold, J. Ross, and J. Stein, assignors to Antiseptics, Inc., New York, N. Y. Rubber compound and making same. 2,272,396; Feb. 10.
Becher, Harold, A. S. Keston, and J. Stein, assignors to Antiseptics, Inc., New York, N. Y. Making rubber compounds or products. 2,272,397; Feb. 10.
Becher, Harold, J. Stein, and J. Ross, assignors to Antiseptics, Inc., New York, N. Y. Rubber compound or product and making the same. 2,272,398; Feb. 10.
Becher, Harold, J. Stein, and J. Ross, assignors to Antiseptics, Inc., New York, N. Y. Rubber compound or product and making the same. 2,272,399; Feb. 10.
Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)
Becker, Stephen P., Poughkeepsie, N. Y. Clamp connector. 2,272,630; Feb. 10.
Beckette, Edmund S. (See Nystrom, K. F., Beckette, and Green.)
Beeson, John D., Los Angeles, and H. Z. Buck, Glendale, Calif. Game practice device. 2,272,765; Feb. 10.
Bell, Albert O. (See Hall, W. P.-G., and Bell.)
Bell & Gossett Company. (See Keeran, William C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Affel, Herman A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bishop, Walter M., assignor.)
Bell Telephone Laboratories. (See Björnson, Björn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bouton, G. M., and Schumacher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Grismore, Oscar D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, Kenneth S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Manley, Jack M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Phelps, Walter A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rogie, James M., assignor.)
Bell Telephone Laboratories, Incorporated. (See St. John, Everett, assignor.)
Bell Telephone Laboratories, Incorporated. (See Swart, Leland K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Swartzel, Karl D., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)
Bender, Richard O., Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y. Refining of oil. 2,272,594; Feb. 10.
Bender, Richard O., Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y. Refining of oil. 2,272,595; Feb. 10.
Bender, Richard O., Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y. Refining of oil. 2,272,596; Feb. 10.
Bendix Aviation Corporation. (See Gilbert, Samuel, assignor.)
Bendix Aviation Corporation. (See Gladden, John N., assignor.)
Bendix Aviation Corporation. (See Spengler, Frei, and Dingman, assignors.)
Benjamin Electric Mfg. Company. (See Leinen, Arthur P., assignor.)
Benninghofen, Paul, et al., trustees. (See Waechter, Harry J., assignor.)
Bentley, Edward A., assignor to Swift Manufacturing Company, Columbus, Ga. Drafting apparatus for textile rovings. 2,272,787; Feb. 10.
Berg, Herbert, Burghausen, Oberbayern, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Production of polyvinyl acetals. 2,272,828; Feb. 10.
Bergman, Donald J., assignor to Universal Oil Products Company, Chicago, Ill. Fractionation. 2,272,261; Feb. 10.
Bethlehem Steel Company. (See Bauer, Stewart W., assignor.)
Bethlehem Steel Company. (See Deacon, Alexander J., assignor.)
Bible, Roy C., Casper, Colo. Ignition point checking device. 2,272,902; Feb. 10.
Biggs, John L., assignor of one-half to L. Moss, Chicago, Ill. Theater chair. 2,272,505; Feb. 10.
Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading apparatus. 2,272,504; Feb. 10.
Bircher Co., The. (See Lawrence, Leon W., assignor.)
Bishop, Nathaniel, Fairfield, Conn. Carrier operated control system for limiting amplifiers. 2,272,788; Feb. 10.
Bishop, Walter M., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,272,735; Feb. 10.
Björnson, Björn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Slow-operate electrical circuit. 2,272,998; Feb. 10.
Black, Henry R., Corning, N. Y. Frothed glass block apparatus. 2,272,930; Feb. 10.
Blake, Dennis B. D., Danville, Ill. Washing machine. 2,272,541; Feb. 10.
Blodjer, Olav, Stockton, Calif. Eyeshade. 2,272,542; Feb. 10.
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Cam-actuated brake. 2,272,335; Feb. 10.
Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach control system. 2,272,789; Feb. 10.
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Journal box structure. 2,272,865; Feb. 10.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Partition. 2,272,829; Feb. 10.
Boisselier, Blanche F. (See Boisselier, Earl D., assignor.)
Boisselier, Earl D., assignor to B. F. Boisselier, Glen Ellyn, Ill. Wire burning unit. 2,272,931; Feb. 10.
Bolling, Robert P., Detroit, Mich. Bake oven conveyer. 2,272,291; Feb. 10.
Bonanno, Joseph L., Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad trackage. 2,272,903; Feb. 10.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator car. 2,272,543; Feb. 10.
Boodell, Thomas J. (See Gobberdiel, Peter P., assignor.)
Borgadt, John B., East Cleveland, Ohio. Electric tube welding apparatus. 2,272,633; Feb. 10.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene esters. 2,272,400; Feb. 10.
Bosomworth, George P. (See Taylor, R. S., and Bosomworth.)
Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Conduit coupling. 2,272,890; Feb. 10.
Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire inspection apparatus. 2,272,893; Feb. 10.

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Boucke, Heinz, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation. Electron tube amplifier. 2,272,235; Feb. 10.
Bouton, George M., Lynbrook, N. Y., and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming cast articles from alloys of lead with calcium and metals of similar properties. 2,272,181; Feb. 10.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,272,316; Feb. 10.
Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Piston ring and expander. 2,272,631; Feb. 10.
Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Piston ring construction. 2,272,632; Feb. 10.
Bowers, Thomas A., Boston, Mass. Packing. 2,272,687; Feb. 10.
Bowie, Augustus J., San Francisco, Calif. Switch. 2,272,506; Feb. 10.
Bowser, S. F., & Company. (See Marvel, Harvey E., assignor.)
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Brandenburger, Herbert J. (See Burton, W. C., and Brandenburger.)
Briese, Rudolph G., Hilliman, Minn. Valve. 2,272,655; Feb. 10.
Briggs Manufacturing Company. (See Coordes, Harry G., assignor.)
Briggs Manufacturing Company. (See Votypka, John, assignor.)
Bright, Albert G. (See Fisher, W. E., and Bright.)
Brink, Winfield S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel structure. 2,272,889; Feb. 10.
Brink, Winfield S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel change-over unit. 2,272,961; Feb. 10.
Bristol Company, The. (See Koester, Herman, assignor.)
Broadmeyer, Albert, assignor to John McAdams & Sons, Incorporated, Norwalk, Conn. Sheet feeder. 2,272,457; Feb. 10.
Brockhurst, James B., Red Bank, N. J. Method of and apparatus for building sea walls. 2,272,236; Feb. 10.
Brody, Harry. (See Brody, Jacob, and H.)
Brody, Jacob, and H., Brooklyn, N. Y. Sanitary temporary panty. 2,272,830; Feb. 10.
Bronson, Adelbert E., Shaker Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve insides. 2,272,634; Feb. 10.
Brown, Archibald M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for assembling spark plugs. 2,272,882; Feb. 10.
Brown Instrument Company. (See Keeler, Earl A., assignor.)
Brown, Kenneth C. (See Weyher, Frederick J., assignor.)
Brown, Theodore R., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,272,736; Feb. 10.
Brown, William J., E. A. Edwards, and E. J. Heldmann, assignors to Taylor Instrument Companies, Rochester, N. Y. Time cycle controller. 2,272,237; Feb. 10.
Bryant, Sumner C., trustee. (See Moran, Samuel J., assignor.)
Buck, Harold Z. (See Beeson, J. D., and Buck.)
Bucyrus-Erie Company. (See Mork, George W., assignor.)
Bucyrus-Erie Company. (See Thornburg, H. W., and Hoar, assignors.)
Budd, Kline F., Houston, Tex. Swab. 2,272,963; Feb. 10.
Budd Wheel Company. (See Eksergian, C. L., and Coombes, assignors.)
Buffalo Electro-Chemical Company. (See Pietzsch, Kurt, assignor.)
Bullard, Harold C., Nashua, N. H. Furniture. 2,272,507; Feb. 10.
Bullard, Harold C., Nashua, N. H. Window sash. 2,272,508; Feb. 10.
Burk, Robert E., and C. H. Whitacre, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacturing asphalts. 2,272,866; Feb. 10.
Burkholder, Alden H., Cleveland, and W. F. Knebusch, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Processing thread or the like. 2,272,182; Feb. 10.
Burton, William C., Webster Groves, and H. J. Brandenburger, assignors of one-sixth to L. R. Schuessler and one-sixth to G. V. Keller, St. Louis, Mo. Parking meter. 2,272,904; Feb. 10.
Bush, Burton T., Inc. (See Gump, William S., assignor.)
Buske, Gilbert E. (See Vogt, W. H., and Buske.)
Butke, Frank S., and W. Fairchild, Evansville, Ind. Antitheft container. 2,272,790; Feb. 10.
Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Work support. 2,272,183; Feb. 10.
Butler, James W., Pittsburgh, Pa. Mechanical target toy. 2,272,597; Feb. 10.
Byron, Thomas F., Cleveland, Ohio. Curtain. 2,272,656; Feb. 10.
Byron, Thomas F., Cleveland, Ohio. Valance. 2,272,657; Feb. 10.
Cadet Smokestands Company. (See Gilbertson, Gordon A., assignor.)
Calderazzo, Dominick. (See Jayne, Bennett, assignor.)
California Lock Company. (See Fendring, Harry E., assignor.)
Callaway, John L., Jr., Birmingham, Ala., assignor to Connors Steel Company. Support and spacer for concrete reinforcement. 2,272,363; Feb. 10.
Cannon, Arthur A. (See Payne, John L., assignor.)
Cannon, James H. (See Loukota, D. H., Durant, and Neifing, assignors.)
Carey McFall Company. (See Stuber, W. J., and Di Ienno, assignors.)
Carl, Henry. (See Hall, Earl M., assignor.)
Carlson, John W., assignor to Automatic Canteen Company of America, Chicago, Ill. Measuring valve. 2,272,184; Feb. 10.
Carpenter, Frank B., Jr. (See Cox, E., Kean, Carpenter, and Enos.)
Carroll, Ellsworth W., assignor to S. & W. Fine Foods, Inc., San Francisco, Calif. Full automatic orientator. 2,272,690; Feb. 10.
Carter, John F., Pensacola, Fla. Fire escape. 2,272,932; Feb 10.
Carter, Mitchell, Yardley, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Beater. 2,272,901; Feb. 10.
Carter, Sidney T., New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y. Strip stamp and the like. 2,272,262; Feb. 10.
Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Ironer pad. 2,272,238; Feb. 10.
Catron, Harold, deceased, by W. Newman, administrator, and F. A. Dotterer, assignors to R-B-M Manufacturing Company, Logansport, Ind. Mounting for switches and the like. 2,272,688; Feb. 10.
Cattaneo, Alfred G. (See Morris, D. W., and Cattaneo.)
Cavallo, Friedrich, Berlin, Germany. Variable speed friction gear power transmission device. 2,272,509; Feb. 10.
Cave, Henry, assignor to The Fuller Brush Company. Hartford, Conn. Brush. 2,272,598; Feb. 10.
Cederstrom, Harold A., assignor to Rosco Manufacturing Company, Minneapolis, Minn. Road spraying device. 2,272,544; Feb. 10.
Celanese Corporation of America. (See Dreyfus, Henry, assignor.)
Celanese Corporation of America. (See Finlayson, Donald, assignor.)
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation receiver. 2,272,401; Feb. 10.
Challet, Etienne, Paris, France, assignor of one-fourth to "Enterprises Electriques Fribourgeoises," Fribourg, Switzerland. Electric heating plate. 2,272,658; Feb. 10.
Chalupa, Joseph F., Norwood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade. 2,272,831; Feb. 10.
Chalupowski, Chester J., Salem, Mass. Automatic radio control. 2,272,545; Feb. 10.
Chamberlin, John W., South Bend, Ind., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Cleaning machine. 2,272,510; Feb. 10.
Champion Spark Plug Company. (See Riddle, Frank H., assignor.)
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Burr remover. 2,272,737; Feb. 10.
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Contact mechanism. 2,272,738; Feb. 10.
Chase Brass & Copper Co. Incorporated. (See Reichenbach, Howard F., assignor.)
Chemical Foundation, Incorporated, The. (See Hixson, A. W., and Miller, assignors.)
Chesley, Walter R., Somerville, Mass., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Machine for embossing and slotting blanks. 2,272,832; Feb. 10.
Chicago Pump Company. (See Lannert, William H., assignor.)
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Barrel engine. 2,272,691; Feb. 10.
Chittenden Corporation. (See Chittenden, Windsor N., assignor.)
Chittenden, Windsor N., Cincinnati, assignor to Chittenden Corporation, Cleveland, Ohio. Collet chuck. 2,272,185; Feb. 10.
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Wettstein, assignors.)
Cincinatti Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
Cinecolor, Incorporated. (See Gundelfinger, Alan M., assignor.)
Cinecolor, Incorporated. (See Gundelfinger, A. M., and Trimble, assignors.)
Clarke & Courts. (See Goodloe, Kenneth V., assignor.)

Clavier, Andre G., and E. Rostâs, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Ultra high frequency system. 2,272,599; Feb. 10.

Cleaners Hanger Company. (See Ruen, Henry C., assignor.)

Cloutier, George D., and F. A. Cooley, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Door lock. 2,272,167; Feb. 10.

Cobel, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Container top. 2,272,867; Feb. 10.

Coben, William S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,272,891; Feb. 10.

Coe, Mayne R., and M. R. Coe, Jr., Washington, D. C., dedicated to the free use of the People of the United States of America. Refining oils and fats to check the development of rancidity. 2,272,964; Feb. 10.

Coe, Mayne R., Jr. (See Coe, Mayne R. and M. R., Jr.)

Coghlan, Charles C. (See Ballentine, W. I., and Coghlan.)

Cole Electric Products Co. (See Smith, C. I., and Rock, assignors.)

Colomb, Henri, Lausanne, Switzerland. Bearing for clockwork movements. 2,272,336; Feb. 10.

Colomb, Henri, Lausanne, Switzerland. Fixed bearing for the pivots of clockwork spindles. 2,272,546; Feb. 10.

Condenser Development Corporation. (See Allen, Earl H., assignor.)

Conklin Pen Company. (See Kelley, Lloyd A., assignor.)

Conklin, Roscoe D. (See Vander Veer, J. H., Forman, and Conklin.)

Connors, John W., Washington, D. C. Oiling tool. 2,272,364; Feb. 10.

Connors Steel Company. (See Callaway, John L., Jr., assignor.)

Conohan, James, Boston, Mass. Clamping device. 2,272,933; Feb. 10.

Conrad, Norman L., Chicago, and C. B. Dale, Oak Park, assignors to Webster-Chicago Corporation, Chicago, Ill. Record cutting mechanism. 2,272,905; Feb. 10.

Consolidated Car Heating Company. (See Knaack, Rudolph F., assignor.)

Consolidated Engineering Corporation. (See Hoover, Herbert, Jr., assignor.)

Consolidated Packaging Machinery Corporation. (See Allen, Howard G., assignor.)

Continental Oil Company. (See Lincoln, B. H., and Steiner, assignors.)

Conzetti, Achille, Basel, and O. Schmid, Muttenz, near Basel, assignors to the firm of J. R. Geigy S. A., Basel, Switzerland. Chromium compounds of mordant triarylmethane dyestuffs and their manufacture. 2,272,791; Feb. 10.

Cooley, Floyd A. (See Cloutier, G. D., and Cooley.)

Coombes, Joseph H. (See Eksergian, C. L., and Coombes, assignors.)

Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Making lavatories or the like.. 2,272,511; Feb. 10.

Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for making lavatories or the like. 2,272,547; Feb. 10.

Corkery, Frank W., Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Compounding rubber. 2,272,600; Feb. 10.

Corn Products Refining Company. (See Swallen, Lloyd C., assignor.)

Cornaz, Gerald. (See Morf, R., and Cornaz.)

Corning Glass Works. (See Hyde, James F., assignor.)

Corson, Almon J., Swampscott, and R. M. Rowell, Lynn, Mass., assignors to General Electric Company. Magnetizing arrangement. 2,272,766; Feb. 10.

Corson, Almon J., Swampscott, and R. M. Rowell, Lynn, Mass., assignors to General Electric Company. Direct current ammeter and voltmeter. 2,272,767; Feb. 10.

Cotal, Jean, Paris, France. Mechanism for power transmission. 2,272,934; Feb. 10.

Cotman, Carl A., Parma, and D. K. Wright, Cleveland Heights, Ohio, assignors to General Electric Company. Terminal structure for electric lamps. 2,272,512; Feb. 10.

Cotton, Arthur F. R., Liphook, England. Finishing of leather. 2,272,935; Feb. 10.

Couleur, Gertrude. (See Schurch, Jacob H., assignor.)

Courdil, Fernand, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares, Etablissements Claude-Paz et Silva, Paris, France. Electric lamp. 2,272,513; Feb. 10.

Courenq, Jean B., Los Angeles, Calif. Mineral separating apparatus. 2,272,365; Feb. 10.

Cox, Edwin, and R. H. Kean, Richmond, Va., and F. B. Carpenter, Jr., and W. K. Enos, Charleston, S. C., assignors to Virginia-Carolina Chemical Corporation, Richmond, Va. Calcium acid pyrophosphate composition and method of production. 2,272,617; Feb. 10.

Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Control modulating system. 2,272,769; Feb. 10.

Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,272,792; Feb. 10.

Creamer, Charles C., St. Paul, Minn. Pneumatic tube valve. 2,272,548; Feb. 10.

Creehan, Edward P., U. S. N. Radiant energy projector. 2,272,186; Feb. 10.

Crosby, Howard M., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation measurement. 2,272,768; Feb. 10.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Vulcanizer clamp. 2,272,965; Feb. 10.

Crown Cork & Seal Company. (See Duffy, Joseph, assignor.)

Cullin, Jasper F., Detroit, Mich., assignor, by mesne assignments, of two-thirds to L. Mervis, Chicago, Ill. Method and apparatus for inserting coils on armature cores. 2,272,263; Feb. 10.

Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Selective program distribution system. 2,272,999; Feb. 10.

Curtiss-Wright Corporation. (See Hovgard, Paul E., assignor.)

Da Col, Lawrence E., San Francisco, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill. Centrifugal pump. 2,272,906; Feb. 10.

Dahlstrom, Frank P., Woodbridge, Conn., assignor to The Aetna-Standard Engineering Company, Youngstown, Pa. Wire drawing machine. 2,272,187; Feb. 10.

Dale, Colin B. (See Conrad, N. L., and Dale.)

Daley, Dennis W., Parkersburg, W. Va. Wall mold. 2,272,659; Feb. 10.

Da-Lite Screen Company. (See Heck, John T., assignor.)

Dällenbach, Alfred, Ruschlikon, Zurich, assignor to Arnold Hammer, Zurich, Switzerland. Magnesium alloys. 2,272,936; Feb. 10.

Danielson, Wilmot A., Quarry Heights, Canal Zone. Regulating heating apparatus. 2,272,188; Feb. 10.

Dankelmann, Henry A. (See Hawrylasz, Nykyfor, assignor.)

Dany, Elmer W., Brecksville, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Furnace seal. 2,272,966; Feb. 10.

Dartnell, William W., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,272,692; Feb. 10.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Decorated composite fabric. 2,272,317; Feb. 10.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Ornament clasp. 2,272,514; Feb. 10.

Davis, Walwin L., Avon, Ohio. Balanced rotary pump. 2,272,635; Feb. 10.

Davol Rubber Company. (See Kelly, John A., assignor.)

Deacon, Alexander J., Dormont, Pa., assignor to Bethlehem Steel Company. Harness for pipe joints. 2,272,515; Feb. 10.

Dean, William E., Portland, Ark. Planting device. 2,272,292; Feb. 10.

Deibel, Cyril P., Lakewood, Ohio. Flashlight and battery unit therefor. 2,272,907; Feb. 10.

De Jute, Frank, Niles, Ohio. Underframe for power shovels. 2,272,693; Feb. 10.

De Kramolin, Leon L., Berlin-Kladow, Germany. Apparatus for producing high tension direct current. 2,272,794; Feb. 10.

De la Rosa, Frank. (See Smith, J. R., Jr., and De la Rosa.)

Delmhorst, William J., Jersey City, N. J. Device for measuring electrical resistance. 2,272,239; Feb. 10.

Demkier, Lester A., and K. O. Hostetter, assignors to The Adams Company, Dubuque, Iowa. Molding machine. 2,272,868; Feb. 10.

Dennis, Charles W., Chicago, Ill., assignor to The Viking Pump Company, Cedar Falls, Iowa. Reversing relief valve. 2,272,318; Feb. 10.

Dennis, Harper L., Pasadena, Calif. Lubricating attachment. 2,272,636; Feb. 10.

De Pew, Chester C., assignor to Ranger Engineering Corporation, Farmingdale, N. Y. Dynamic damper for engines. 2,272,189; Feb. 10.

Derr, William T., Cleveland, Ohio, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,272,793; Feb. 10.

Deschner, Richard E., Los Angeles, Calif. Pouring attachment for containers. 2,272,549; Feb. 10.

Desmond, Matthew F., Burney, Calif. Perforation gauge for postage stamps. 2,272,967; Feb. 10.

Detroit Hydrostatic Brake Corporation. (See Sauzede, Claude, assignor.)

Dick, John E., Hallock, Minn. Crushing and grinding machine. 2,272,908; Feb. 10.

Dick, Talbert M., trustee. (See Gilbertson, Gordon A., assignor.)

Dicke, Oscar H., Rochester, and F. B. Hitchcock, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,272,550; Feb. 10.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Control element for statistical machines. 2,272,366; Feb. 10.

Dickson Wire & Cable Corp. (See Pillero, James, assignor.)

Diesbach, Fritz G., et al., trustees. (See Waechter, Harry J., assignor.)

Di Ienno, John J. (See Stuber, W. J., and Di Ienno.)

Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Photoelectric sound reproducer. 2,272,795; Feb. 10.

Dines, Harry G., Yakima, Wash. Shovel bucket. 2,272,337; Feb. 10.

Dingman, Glen H. (See Spengler, W. J., Frei, and Dingman.)

Di Toro, Michael J., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,272,264; Feb. 10.

Dockson, Charles H., Detroit, Mich. Protective device. 2,272,833; Feb. 10.

Dohrn, Max, Berlin-Charlottenburg, and K. Hamann, Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Furane derivatives of the pyrazolone series and making the same. 2,272,739; Feb. 10.

Dole Valve Company, The. (See Fields, George C., assignor.)

Dotterer, Frank A. (See Catron, H., and Dotterer.)

Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,272,367; Feb. 10.

Doumaux, Jerome N., Bayside, assignor to The B. V. D. Corporation, New York, N. Y. Shirt. 2,272,796; Feb. 10.

Drautz, William, Philadelphia, Pa. Fishing reel. 2,272,834; Feb. 10.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Thermal dehydration of lower fatty acids. 2,272,293; Feb. 10.

Drobish, Adolph E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lamp manufacturing apparatus. 2,272,694; Feb. 10.

Du Bois, Gaston, Clayton, Mo., assignor to Monsanto Chemical Company. Manufacture of phosphoric acid. 2,272,402; Feb. 10.

Duffy, Joseph, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method of and apparatus for lubricating sheet metal. 2,272,368; Feb. 10.

Du Pont, E. I., de Nemours & Company. (See Barnes, Carl E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hall, W. P-G., and Bell, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hoffman, Robert M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Macht, Maurice L., assignor.)

Durant, Raymond C. (See Loukota, D. H., Durant, and Neifing.)

Dyer, Rex H., assignor to Percussion Welder Corporation, Kansas City, Mo. Apparatus for welding metal. 2,272,968; Feb. 10.

Eastman Kodak Company. (See Fierke, Scheuring S., assignor.)

Eastman Kodak Company. (See Fisher, W. E., and Bright, assignors.)

Eaton, Malcolm W., assignor to Micro Switch Corporation, Freeport, Ill. Thermostatic control. 2,272,458; Feb. 10.

Eaton, Malcolm W., assignor to Micro Switch Corporation, Freeport, Ill. Thermostatic control. 2,272,459; Feb. 10.

Ebert, Hermann. (See Paschen, P., Mohr, and Ebert.)

Edison, Thomas A., Incorporated. (See Di Toro, Michael J., assignor.)

Edison, Thomas A., Incorporated. (See Geer, Charles D., assignor.)

Edison, Thomas A., Incorporated. (See Jacobs, Charles T., assignor.)

Edison, Thomas A., Incorporated. (See Slocum, C. W., and Jacobs, assignors.)

Edmunds, Gerald. (See Anderson, E. A., and Edmunds.)

Edson, Earle R., Gloucester, Mass., assignor to Le Page's, Inc. Moisture-reactivatable adhesive composition. 2,272,516; Feb. 10.

Edwards, Evan A. (See Brown, W. J., Edwards, and Heldmann.)

Edwards, Evan A., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,272,240; Feb. 10.

Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Gaseous electric discharge apparatus. 2,272,770; Feb. 10.

Elchhoff, Herbert, Berlin-Lichterfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency receiver. 2,272,602; Feb. 10.

Eksergian, Carolus L., and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Acceleration responsive device. 2,272,601; Feb. 10.

Elliott, Burr B., assignor to Elliott Soil Sterilizer, Inc., Yakima, Wash. Apparatus for sterilizing soil. 2,272,190; Feb. 10.

Elliott Company. (See Keebler, P. T., and Baker, assignor.)

Elliott Soil Sterilizer, Inc. (See Elliott, Burr B., assignor.)

Ellis, William G., Shelby, N. C. Tractor. 2,272,603; Feb. 10.

Elster, Bert, McKeesport, Pa., assignor to National Tube Company. Vibration-operated switch. 2,272,797; Feb. 10.

Elzeer, Michael E., Lorain, Ohio. Nursing bottle holder. 2,272,319; Feb. 10.

Emde, Kurt, Itasca, assignor to Zenith Radio Corporation, Chicago, Ill. Tuning indicator. 2,272,660; Feb. 10.

Emde, Kurt, Itasca, assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiving apparatus. 2,272,937; Feb. 10.

Enos, Wilbur K. (See Cox, E., Kean, Carpenter, and Enos.)

"Enterprises Electriques Fribourgeoises." (See Challet, Etienne, assignor.)

Evans, Addison W., assignor to The Torrington Manufacturing Co., Torrington, Conn. Centrifugal blower wheel structure. 2,272,695; Feb. 10.

Evans Case Company. (See Healy, Elton F., assignor.)

Everitt, Philip F., Ilford, assignor of two-thirds to A. J. Hughes, Chigwell Row, and Henry Hughes & Son, Limited, London, England. Collimating lens and optical system. 2,272,604; Feb. 10.

Fader, William L., Jr., Sewickley, Pa., assignor to Pittsburgh Forgings Company. Apparatus for the manufacture of metal articles. 2,272,740; Feb. 10.

Failing, George E., Supply Company, The. (See Failing, Tweed E., assignor.)

Failing, Tweed E., Houston, Tex., assignor to The George E. Failing Supply Company, Enid, Okla. Apparatus for seismic surveying. 2,272,741; Feb. 10.

Fairbanks, Morse & Co. (See Da Col, Lawrence E., assignor.)

Fairchild, William. (See Butke, F. S., and Fairchild.)

Falla-Caravino, Ezio, Milan, Italy. Safety secret lock. 2,272,689; Feb. 10.

Fantl, Elmer A., Chicago, Ill. Signal knob. 2,272,909; Feb. 10.

Feldman, Carlyle, Chicago, Ill. Portfolio. 2,272,551; Feb. 10.

Fendring, Harry E., Los Angeles, assignor, by mesne assignments, to California Lock Company, Los Angeles County, Calif. Door latch strike plate. 2,272,241; Feb. 10.

Ferrante, Sante J., Passaic, N. J. Container. 2,272,938; Feb. 10.

Ferro Enamel Corporation. (See Dany, Elmer W., assignor.)

Fessler, Albra H. (See McDougal, T. G., Schwartzwalder, and Fessler.)

Fessler, Albra H., and K. Schwartzwalder, Flint, assignors to General Motors Corporation, Detroit, Mich. Ceramic body, especially adapted for use as a spark plug insulator. 2,272,338; Feb. 10.

Fessler, Albra H., and K. Schwartzwalder, Flint, assignors to General Motors Corporation, Detroit, Mich. Ceramic body. 2,272,618; Feb. 10.

"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Holm, R., Wüsteney, and Hennig, assignors.)

"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Ruska, Ernst, assignor.)

"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Schupp, Paul, assignor.)

Fiedler, Edmond F., Adams, Mass., assignor to General Electric Company. Molding composition and molded product. 2,272,742; Feb. 10.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Lock screw. 2,272,552; Feb. 10.

Fields, George C., South Bend, Ind., assignor to The Dole Valve Company, Chicago, Ill. Mixing valve. 2,272,403; Feb. 10.

Fierke, Scheuring S., assignor to Eastman Kodak Company, Rochester, N. Y. Dispersing mixtures of resins and coloring materials in gelatin. 2,272,191; Feb. 10.

Finlayson, Donald, Spondon, near Derby, England, assignor to Celanese Corporation of America. Laminated materails. 2,272,294; Feb. 10.

Finley, Thomas M., Irondale, Mo. Aeromarine boat. 2,272,661; Feb. 10.

Firestone, Allan L., St. Paul, Minn. Advertising folder. 2,272,404; Feb. 10.

Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)

Firestone Tire & Rubber Company, The. (See Bosomworth, George P., assignor.)

Firestone Tire & Rubber Company. (See Brink, Winfield S., assignor.)

Firestone Tire & Rubber Company, The. (See Brown, Archibald M., assignor.)

Firestone Tire & Rubber Company, The. (See Carter, Mitchell, assignor.)

Firestone Tire & Rubber Company, The. (See Coben, William S., assignor.)

Firestone Tire & Rubber Company, The. (See Greenup, Harold W., assignor.)

Firestone Tire & Rubber Company, The. (See Haggan, William E., assignor.)

Firestone Tire & Rubber Company, The. (See Hargraves, Albert, assignor.)

Firestone Tire & Rubber Company, The. (See Hulslander, Ray D., assignor.)
Firestone Tire & Rubber Company, The. (See Kilbourne, Frederick L., Jr., assignor.)
Firestone Tire & Rubber Co., The. (See Olcott, Lawrene E., assignor.)
Firestone Tire & Rubber Company, The. (See Pidgeon, Charles S., assignor.)
Firestone Tire & Rubber Company, The. (See Rathbun, Alan E., assignor.)
Firestone Tire & Rubber Company, The. (See Riesing, Ellwood F., assignor.)
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Firestone Tire & Rubber Company, The. (See Street, John N., assignor.)
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Firestone Tire & Rubber Company, The. (See Tatter, J. W., and Shinn, assignors.)
Firestone Tire & Rubber Company, The. (See Taylor, R. S., and Bosomworth, assignors.)
Firestone Tire & Rubber Company, The. (See Wilson, Robert F., assignor.)
Firestone Tire & Rubber Company, The. (See Zimmerman, Louis H., assignor.)
Fischl, Alfred, Dresden, Germany. Process and apparatus for the production of an extremely thin film of cellulose ester or the like. 2,272,662; Feb. 10.
Fisher, Edward J. P., North Jackson, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Wire drawing machine. 2,272,192; Feb. 10.
Fisher, Webster E., and A. G. Bright, assignors to Eastman Kodak Company, Rochester, N. Y. Reclaiming plasticizers. 2,272,193; Feb. 10.
Flynn, Theodore P., and R. E. Neils, Portland, Oreg., dedicated to the free use of the People in the Territory of the United States. Tractor and rudder hitch. 2,272,619; Feb. 10.
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Forkner, Jesse C., and J. H., Fresno, Calif. Food product and method. 2,272,989; Feb. 10.
Forkner, Jesse C., and J. H., Fresno, Calif. Fruit product and method. 2,272,990; Feb. 10.
Forkner, John H. (See Forkner, Jesse C., and J. H.)
Forman, Paris R. (See Vander Veer, J. H., Forman, and Conklin.)
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Portable nibbling tool. 2,272,295; Feb. 10.
Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Driving and stopping mechanism. 2,272,553; Feb. 10.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Vacuum tube circuit. 2,272,369; Feb. 10.
Fowler, John, & Co. (Leeds) Limited. (See Sanders, Arthur F., assignor.)
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical protective device. 2,272,370; Feb. 10.
Foxboro Company, The. (See Frymoyer, Webster W., assignor.)
Foy, Patrick, Chicago, Ill. Electric circuits. 2,272,696; Feb. 10.
Frakes, James H. (See Ludwig, L. R., Frakes, and Schofield.)
Frances, Joseph E., Oakland, Calif. Pipe joint. 2,272,194; Feb. 10.
Franks, Clem H., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Dial governor. 2,272,168; Feb. 10.
Frantz, Walter A., Shaker Heights, and J. J. McCabe, Euclid, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine. 2,272,517; Feb. 10.
Fraser, Clarence E., and E. C. Hulsmann, Chicago, Ill. Pump. 2,272,518; Feb. 10.
Freedman, Max. (See Miller, Earl M., assignor.)
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,272,320; Feb. 10.
Frei, Jakob R. (See Spengler, W. J., Frei, and Dingman.)
Frei, John, Jr., Chicago, Ill. Ash tray. 2,272,697; Feb. 10.
French, Harry F., North Olmsted, Ohio, assignor to National Carbon Company, Inc. Galvanic battery. 2,272,969; Feb. 10.
Freudenberg, Carl, G. m. b. H. (See von Veh, Ernst, assignor.)
Frischknecht, Ernest, Jackson Heights, assignor to The Teleregister Corporation, New York, N. Y. Indicating device. 2,272,242; Feb. 10.
Frost, Walter, G. Källner, and O. Kölbl, assignors to the firm Silesia, Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany. Making sulphur-containing organic condensation products. 2,272,265; Feb. 10.
Frymoyer, Webster W., assignor to The Foxboro Company, Foxboro, Mass. Apparatus for controlling paper manufacture. 2,272,970; Feb. 10.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Funk, Joseph N., Maiden Rock, Wis. Cable connecter for junction boxes. 2,272,939; Feb. 10.
G-L-T Corporation. (See Lawler, Frank P., assignor.)
Gallagher, James C., Green Bay, Wis. Screen shade for motion pictures and the like. 2,272,296; Feb. 10.
Garrett, Gairald H., and H. Jackson, assignors to Thompson Mfg. Co., Denver, Colo. Sheet metal pipe machine. 2,272,698; Feb. 10.
Gay, Edward R., Seattle, Wash. Folding desk for use with armchairs. 2,272,743; Feb. 10.
Gearhart, Roy E. (See Wolf, C. H., and Gearhart.)
Geer, Charles D., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Control system. 2,272,976; Feb. 10.
Geigy, J. R., S. A. (See Conzetti, A., and Schmid.)
Geigy, J. R., A.-G. (See Treboux, Jules, assignor.)
General Aniline & Film Corporation. (See Hummel, H. G., and Jahrstorfer, assignors.)
General Aniline & Film Corporation. (See Schmidt, G., and Schilling, assignors.)
General Aniline & Film Corporation. (See Ulrich, Heinrich, assignor.)
General Aniline & Film Corporation. (See Zerweck, W., Schütz, and Ritter, assignors.)
General Electric Company. (See Ayers, Edgar H., assignor.)
General Electric Company. (See Beard, Lee R., assignor.)
General Electric Company. (See Brown, Theodore R., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Corson, A. J., and Rowell, assignors.)
General Electric Company. (See Cotman, C. A., and Wright, assignors.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Crosby, Howard M., assignor.)
General Electric Company. (See Edwards, Martin A., assignor.)
General Electric Company. (See Fiedler, Edmond F., assignor.)
General Electric Company. (See Hanna, William M., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Helmbright, Henry H., assignor.)
General Electric Company. (See Henneberg, Walter, assignor.)
General Electric Company. (See Hinds, R. S., and Mandl, assignors.)
General Electric Company. (See Holm-Hansen, Osmund, assignor.)
General Electric Company. (See Hull, A. W., and Navlas, assignors.)
General Electric Company. (See Inman, George E., assignor.)
General Electric Company. (See Kern, J., and Krefft, assignors.)
General Electric Company. (See Kinnard, Isaac F., assignor.)
General Electric Company. (See Lane, A. C., and Adkins, assignors.)
General Electric Company. (See Linde, Leonard J., assignor.)
General Electric Company. (See Mahoney, Bertram W., assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Spurck, Robert M., assignor.)
General Electric Company. (See Stocker, Closman P., assignor.)
General Electric Company. (See Stratton, Jerry L., assignor.)
General Electric Company. (See Summers, Claude M., assignor.)
General Electric Company. (See Teker, John W., assignor.)
General Electric Company. (See Williams, Edwin A., Jr., assignor.)
General Fireproofing Company, The. (See Johnson, E. M., and Powell, assignors.)
General Motors Corporation. (See Fessler, A. H., and Schwartzwalder, assignors.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See McDougal, T. G., Schwartzwalder, and Fessler, assignors.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Sullivan, Raymond H., assignor.)
General Railway Signal Company. (See Dicke, O. H., and Hitchcock, assignors.)
General Railway Signal Company. (See Field, Oscar S., assignor.)

General Railway Signal Company. (See Hormats, Myer, assignor.)
General Railway Signal Company. (See Langdon, A., and Livingston, assignors.)
General Railway Signal Company. (See Little, Robert J., assignor.)
General Railway Signal Company. (See Phinney, Robert M., assignor.)
General Steel Castings Corporation. (See Nystrom, K. F. (Beckette, assignor), and Green.)
George, Jerome R., Marion, and K. B. Lewis, Worcester, Mass., assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio. Wire drawing machine. 2,272,195; Feb. 10.
Geraghty, Ennis, New York, N. Y. Drilling apparatus. 2,272,835; Feb. 10.
Gerard, George A., Short Hills, N. J. Winding paper and mechanism therefor. 2,272,940; Feb. 10.
Gerdien, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Hemadynamometer. 2,272,836; Feb. 10.
Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,272,297; Feb. 10.
Getz, George J. (See Getz, Jacob H. and G. J.)
Getz, Jacob H. and G. J., Morton, Ill. Drive and conveyer chain link. 2,272,837; Feb. 10.
Gilbert, Samuel, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Machine bearing. 2,272,554; Feb. 10.
Gilbertson Gordon A., Chicago, Ill., assignor to T. M. Dick as trustee of the Cadet Smokestands Company, Des Moines, Iowa. Securing bails to smokestands for shipment. 2,272,519; Feb. 10.
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gilpin, Garth G., Riverside, Ill., assignor to Standard Railway Devices Company. Refrigerator car. 2,272,555; Feb. 10.
Gittens, Sidney R., Philadelphia, Pa. Self-attaching patch for wire cloth or screens. 2,272196; Feb. 10.
Gladden, John N., Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Airplane landing gear. 2,272,699; Feb. 10.
Glazer, Louis E., Quincy, Mass. Guard for linotype machines. 2,272,941; Feb. 10.
Glynn, Edwin A., Lodi, Calif., assignor to Super Mold Corporation of California. Recapping tires. 2,272,637; Feb. 10.
Gobberdiel, Peter P., assignor to T. J. Boodell, Chicago, Ill. Sheet metal building construction. 2,272,910; Feb. 10.
Goodloe, Kenneth V., assignor to Clarke & Courts, Houston, Tex. Wire clamping device for loose-leaf binders. 2,272,339; Feb. 10.
Goodman Manufacturing Company. (See Bigelow, Roy S., assignor.)
Goodman Manufacturing Company. (See Stoltz, Charles E., assignor.)
Goodrich, B. F., Company, The. (See Krotz, Alvin S., assignor.)
Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
Goodrich, B. F., Company, The. (See Neal, William B., assignor.)
Goodwin, Perry J., Palo Alto, Calif. Hair curler. 2,272,942; Feb. 10.
Gordon, William, Brooklyn, N. Y. Cigarette package. 2,272,838; Feb. 10.
Gorman, Thomas, Jr., Newark N. J. Bail fabricating and attaching machine. 2,272,700; Feb. 10.
Granberg, Albert J., Berkeley, assignor to Granberg Equipment Inc., Emeryville, Calif. One-way clutch. 2,272,169; Feb. 10.
Granberg, Albert J., and T. A. McCoy, Oakland, assignors to Granberg Equipment Inc., Emeryville, Calif. Fluid meter. 2,272,170; Feb. 10.
Granberg Equipment Inc. (See Granberg, Albert J., assignor.)
Granberg Equipment Inc. (See Granberg, A. J., and McCoy, assignors.)
Grant, John, and J. J. Santiago, Los Angeles, Calif.; said Santiago assignor to said Grant. Cutter mounting for well reamers and the like. 2,272,405; Feb. 10.
Graper, Leslie G. (See Ramsey, E. L., and Graper.)
Graumann, Hermann, Santpoort, assignor to Wessanen's Koninklijke Fabrieken N. V., Wormerveer, Netherlands. Pretreating cereals. 2,272,663; Feb. 10.
Green, George S., Cape Elizabeth, Maine. Gasoline dispensing register. 2,272,460; Feb. 10.
Green, Vernon L. (See Nystrom, K. F., Beckette, and Green.)
Greenup, Harold W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Production of rubber articles. 2,272,880; Feb. 10.
Griffin, James H. (See Waldron, F. B., and Griffin.)
Griffin, Nicholas E. (See Morin, Louis H., assignor.)
Grismore, Oscar D., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 2,272,701; Feb. 10.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Discharge and connecting fitting means. 2,272,197; Feb. 10.
Gropler, Hans, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Flap control. 2,272,664; Feb. 10.
Grosse, Aristid V., Bronxville, N. Y., and W. J. Mattox, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of polycyclic hydrocarbons. 2,272,266; Feb. 10.
Grotelite Company, The. (See Wacker, George W., assignor.)
Guiberson Oil Heater Company. (See Moore, Richard S., assignor.)
Gulf Research & Development Company. (See Kennedy, Harvey T., assignor.)
Gulf Research & Development Company. (See Ritzmann, Otto F., assignor.)
Gump, William S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Alkaline earth metal salts of dihydroxy hexachloro diphenyl methane. 2,272,267; Feb. 10.
Gump, William S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Alkali metal salts of dihydroxy hexachloro diphenyl methane. 2,272,268; Feb. 10.
Gundelfinger, Alan M., assignor to Cinecolor, Incorporated, Los Angeles, Calif. Coloring photographic images. 2,272,556; Feb. 10.
Gundelfinger, Alan M., and L. S. Trimble, assignors to Cinecolor, Incorporated, Los Angeles, Calif. Toning photographic images. 2,272,557; Feb. 10.
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Printing mechanism. 2,272,406; Feb. 10.
Hacmac, Edward R., Hollywood, Calif. Dispensing device for containers. 2,272,798; Feb. 10.
Haegele, Otto P., assignor to United States Gypsum Company, Chicago, Ill. Cutting machine. 2,272,702; Feb. 10.
Haegle, Otto P., assignor to United States Gypsum Company, Chicago, Ill. Plasterboard manufacturing machine. 2,272,703; Feb. 10.
Haertel, Walter, Products Company. (See Trask, Allen, assignor.)
Haggan, William E., Barberton, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making fan belts. 2,272,883; Feb. 10.
Hagood, Johnson, Safety Harbor, assignor to Southern Phosphate Corporation, Bartow, Fla. Treating phosphate rock. 2,272,799; Feb. 10.
Hale Fire Pump Co. (See Young, Charles H., Jr., assignor.)
Hale, Ora G., Berwyn, and F. L. Keller, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Globe catcher. 2,272,911; Feb. 10.
Hall, Earl M., assignor of one-half to H. Carl, Salem, Oreg. Spark plug. 2,272,558; Feb. 10.
Hall, Guy H. (See Winger, S. C., and Loehr, assignors.)
Hall, William P.-G., Berwyn, Pa., and A. O. Bell, Leominster, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reciprocating trimmer mechanism for bristling machines. 2,272,800; Feb. 10.
Hamann, Kurt. (See Dohrn, M., and Hamann.)
Hamant, Edward W., Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Surface decorating mechanism. 2,272,461; Feb. 10.
Hammer, Arnold. (See Dillenbach, Alfred, assignor.)
Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric fuse clamp. 2,272,665; Feb. 10.
Hammond, John H., Jr., Gloucester, Mass. Radiant energy signaling system. 2,272,839; Feb. 10.
Hammond, John H., Jr., and E. S. Purington, Gloucester, Mass.; said Purington assignor to said Hammond, Jr. Selectivity by phase quadrature method. 2,272,840; Feb. 10.
Hampton, Walter D., Greensboro, N. C. Heater for golf balls. 2,272,340; Feb. 10.
Hanford, Harold H. R., Vancouver, British Columbia, Canada. Handled support for cups, glasses, and other containers. 2,272,462; Feb. 10.
Hanna, William M., Schenectady, N. Y., assignor to General Electric Company. Protective system. 2,272,991; Feb. 10.
Hans, Edmund E., Detroit, Mich. Air conditioning system. 2,273,000; Feb. 10.
Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Chair structure. 2,272,298; Feb. 10.
Harding, Watson G., Fair Lawn, N. J., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for making corrugated tubes. 2,272,704; Feb. 10.
Hardy, Arthur C., Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y. Color reproduction. 2,272,638; Feb. 10.
Hargraves, Albert, Silver Lake, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread construction. 2,272,879; Feb. 10.
Harlan, Stephen O., Elmhurst, assignor to Barrett-Cravens Company, Chicago, Ill. Governor for fluid flow. 2,272,705; Feb. 10.

Harnett, A. De Vere, Racine, Wis. Composition for use in raised printing and method of preparation. 2,272,706; Feb. 10.
Harper, William, Jr., Montreal, Quebec, Canada. Internal combustion engine. 2,272,171; Feb. 10.
Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Synthesis of vitamin B_6. 2,272,198; Feb. 10.
Hart, Frederick H. M. and R. E., Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Voting machine of the recording type. 2,272,371; Feb. 10.
Hart, Robert E. (See Hart, Frederick H. M. and R. E.)
Hartford National Bank and Trust Company, as trustee. (See Sarbey, Maurice D., assignor.)
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Hathaway, Claude M., Denver, Colo., assignor to General Electric Company. Electrical measuring apparatus. 2,272,772; Feb. 10.
Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)
Haveles, Evangel A., Los Angeles, Calif. Check pad casing. 2,272,321; Feb. 10.
Hawley, John B., Jr., Minneapolis, Minn. Hydraulic pump. 2,272,771; Feb. 10.
Hawrylasz, Nykyfor, Minneapolis, assignor of one-half to H. A. Dankelmann, St. Paul, Minn. Bicycle. 2,272,801; Feb. 10.
Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
Healy, Elton F., North Attleboro, Mass., assignor to Evans Case Company. Atomizer. 2,272,943; Feb. 10.
Hebbert, Roy, Ashby, Nebr. Automobile spring jack. 2,272,559; Feb. 10.
Hebo, Halfdan, New York, N. Y. Generator for ultraviolet energy. 2,272,992; Feb. 10.
Heck, John T., Elmhurst, assignor to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen supporting means. 2,272,269; Feb. 10.
Heckman, John A., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Machine for applying strips to wrappers. 2,272,407; Feb. 10.
Heckman, John A., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Sheet feeding and cutting mechanism. 2,272,408; Feb. 10.
Heinkel, John, assignor to John C. Kupferle Foundry Company, St. Louis, Mo. Grease trap. 2,272,912; Feb. 10.
Heinrich, Walter A., Richmond Heights, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical by-pass switch. 2,272,463; Feb. 10.
Heisey, A. H. & Company. (See Cobel, Ray C., assignor.)
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave source and amplifier. 2,272,605; Feb. 10.
Heldmann, Ernest J. (See Brown, W. J., Edwards, and Heldmann.)
Helling, John T., Auckland Park, Johannesburg, South Africa. Electric hand lantern. 2,272,744; Feb. 10.
Helmbright, Henry H., Cleveland Heights, Ohio, assignor to General Electric Company. Electric incandescent lamp. 2,272,520; Feb. 10.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 2,272,971; Feb. 10.
Henneberg, Walter, Berlin, Germany, assignor to General Electric Company, Schenectady, N. Y. Electron multiplier. 2,272,841; Feb. 10.
Hennessy, James J., New York, N. Y. Railway journal box lubricator. 2,272,199; Feb. 10.
Hennig, Fritz. (See Holm, R., Wüsteney, and Hennig.)
Hensler, Bernard A., South Woodford, London, England, assignor to Siemens Bros. & Company Ltd. Telephone system. 2,272,464; Feb. 10.
Herbelin, Francis J., Galveston, Tex. Band tying device. 2,272,521; Feb. 10.
Herbig, Henry F. (See Stone, C. G., and Herbig.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Herman, Martin, Drumheller, Alberta, Canada. Safety switch. 2,272,972; Feb. 10.
Herriger, Felix, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube mounting. 2,272,606; Feb. 10.
Herst, Jerome P. (See Links, J. A., and Herst.)
Herzog, Carl, Belleville, N. J., assignor to Radio Corporation of America. Electrode manufacture. 2,272,869; Feb. 10.
Hetland, Magne. (See Jaasund, T., and Hetland.)
Hickok, Willard H., Bloomfield, N. J., assignor to Radio Corporation of America. Apparatus for television transmission and reception. 2,272,842; Feb. 10.
High, Carl W., and E. W. Roberts, Jr., Cincinnati, Ohio. Bob for fishing lines. 2,272,802; Feb. 10.
Higonnet, René A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Navigation system and apparatus. 2,272,607; Feb. 10.
Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Connecting rod. 2,272,172; Feb. 10.
Hillier, James, Collingswood, N. J., assignor to Radio Corporation of America. Electron microscrope specimen chamber. 2,272,843; Feb. 10.
Hiltz, Reginald, Brookline, Mass. Outlet box cover and adapter. 2,272,944; Feb. 10.
Hinds, Richard S., and A. Mandl, Sheffield, England, assignors to General Electric Company. Charging electric batteries. 2,272,745; Feb. 10.
Hines, Hazel K. (See Hines, James F., assignor.)
Hines, James F., assignor to H. K. Hines, Lakewood, Ohio, Foundry jacket. 2,272,707; Feb. 10.
Hines, James F., assignor to H. K. Hines, Lakewood, Ohio. Flask wall. 2,272,708; Feb. 10.
Hines, James F., assignor to H. K. Hines, Lakewood, Ohio. Flask corner. 2,272,709; Feb. 10.
Hirsch, Max J. (See Links, J. A., and Herst, assignors.)
Hitchcock, Forest B. (See Dicke, O. H., and Hitchcock.)
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Selectively refining petroleum oils. 2,272,372; Feb. 10.
Hoar, Roger S. (See Thornburg, H. W., and Hoar.)
Hoesel, Anthony F., assignor to Auto Coolers, Inc., Chicago, Ill. Condenser pressure control. 2,272,973; Feb. 10.
Hoffar, Henry S., assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada. Diamond drill. 2,272,620; Feb. 10.
Hoffman, Robert M., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dry spinning artificial thread. 2,272,666; Feb. 10.
Hoffman, Ross B., Chicago, Ill., assignor to International Telephone Development Co., Inc., New York, N. Y. Antenna matching structure. 2,272,608; Feb. 10.
Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Boring or internal forming tool. 2,272,200; Feb. 10.
Hojnowski, Jakob, Nekoosa, Wis. Airplane. 2,272,522; Feb. 10.
Holm-Hansen, Osmund, Bridgeport, Conn., assignor to General Electric Company. Air purifying unit. 2,272,746; Feb. 10.
Holm, Ragnar, Berlin-Siemensstadt, H. Wüsteney, Berlin-Wilmersdorf, and F. Hennig, Berlin-Siemensstadt, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Contact device. 2,272,315; Feb. 10.
Holttum, Oliver W., Entiat, Wash. Draft door guard. 2,272,667; Feb. 10.
Holzapfel, George L., Los Angeles, Calif. Vaporizer and pressure regulator. 2,272,341; Feb. 10.
Hönel, Herbert, assignor, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich. Partial phosphoric esters and preparing same. 2,272,668; Feb. 10.
Hoof Products Company. (See Seymour, Clayton B., assignor.)
Hoover, Herbert, Jr., Sierra Madre, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Method and apparatus for signaling. 2,272,201; Feb. 10.
Hoover, Lucious K., Birmingham, Ala. Artificial bait. 2,272,710; Feb. 10.
Hormats, Myer, assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit for railways. 2,272,560; Feb. 10.
Horner, Elwood J., Cleveland, Ohio, assignor to United Autographic Register Co. Manufacturing fanfold stationery. 2,272,803; Feb. 10.
Horstman, Robert L., Lakewood, Ohio. Dispensing device. 2,272,465; Feb. 10.
Hostetter, Kenneth O. (See Demkier, L. A., and Hostetter.)
Hotchner, Fred, Los Angeles, Calif. Animated luminous display. 2,272,202; Feb. 10.
Hotchner, Fred, Los Angeles, Calif. Luminous display with an effect of motion. 2,272,945; Feb. 10.
Hotchner, Fred, Los Angeles, Calif. Animated display device. 2,272,946; Feb. 10.
Hotchner, Fred, Los Angeles, Calif. Animated pictorial display. 2,272,947; Feb. 10.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,272,203; Feb. 10.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Can opener. 2,272,204; Feb. 10.
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)
Hoygard, Paul E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Control airfoil. 2,272,173; Feb. 10.
Hoyt, Herbert L. (See Wilcox, R. L., and Hoyt.)
Hubbell, Calvin G., Rankin, Ill. Minnow bucket. 2,272,561; Feb. 10.
Hudson, Herbert W., Columbus, Ohio. Device for venting shingled roofs. 2,272,804; Feb. 10.

Hughes, Arthur J., et al. (See Everitt, Philip F., assignor.)
Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Beneficiation of low volatile hydrocarbons. 2,272,205; Feb. 10.
Hughes, Henry, & Son, et al. (See Everitt, Philip F., assignor.)
Hull, Albert W., and L. Navias, Schenectady, N. Y., assignors to General Electric Company. Glass to metal seal. 2,272,747; Feb. 10.
Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,272,913; Feb. 10.
Hull, Washington, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic dehydrogenation of terpenes to para-cymene. 2,272,711; Feb. 10.
Huislander, Ray D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for mounting valve stems on inner tubes. 2,272,894; Feb. 10.
Hulsmann, Edward C. (See Fraser, C. E., and Huismann.)
Hummel, Hans G., Mannheim, and M. Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of waxlike substances. 2,272,466; Feb. 10.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Making a transparent article of silica. 2,272,342; Feb. 10.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Swift, Harvey C., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kallmann, H. I., and Kuhn, assignors.)
Ilg Electric Ventilating Company. (See Weaver, L. C., and Sutcliffe, assignors.)
Illmer, Louis. (See Johannsen, Udo K., and Illmer, assignors.)
Imperial Chemical Industries Limited. (See Milburn, Denys P., assignor.)
Independent Pneumatic Tool Company. (See Ames, Frank K., assignor.)
Independent Pneumatic Tool Company. (See Forss, Frithiof P., assignor.)
Independent Pneumatic Tool Company. (See Schindel, John, assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Microlapping machine. 2,272,974; Feb. 10.
Indiana Steel Products Company, The. (See Maynard, Charles A., assignor.)
Industrial Rayon Corporation. (See Burkholder, A. H., and Knebusch, assignors.)
Industrial Rayon Corporation. (See Walters, Clarence C., assignor.)
Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
Ingildsen, Sven, Detroit, and F. J. Westrope, Pleasant Ridge, assignors to F. L. Jacobs Company, Detroit, Mich. Motor vehicle top. 2,272,299; Feb. 10.
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 2,272,523; Feb. 10.
Interchemical Corporation. (See Hardy, Arthur C., assignor.)
International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)
International Business Machines Corporation. (See Doty, Charles R., assignor.)
International Business Machines Corporation. (See Hart, Frederick H. M. and R. E., assignors.)
International Business Machines Corporation. (See Johnson, Reynold B., assignor.)
International Business Machines Corporation. (See Rabenda, Edward J., assignor.)
International Business Machines Corporation. (See Von Pein, Edward J., assignor.)
International Business Machines Corporation. (See Weinlich, Hermann A., assignor.)
International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Kriegbaum, G. M., and Morris, assignors.)
International Harvester Company. (See Majer, Frank G., assignor.)
International Harvester Company. (See Mott, Carl W., assignor.)
International Harvester Company. (Se Widgren, Nels A., assignor.)
International Multifeed Drills, Ltd. (See Hoffar, Henry S., assignor.)
International Standard Electric Corporation. (See Clavier, A. G., and Rostas, assignors.)
International Standard Electric Corporation. (See Higonnet, René A., assignor.)
International Standard Electric Corporation. (See Lair, J. J. B., and Perroux, assignors.)
International Standard Electric Corporation. (See Reinken, L. W., and Jammer, assignors.)
International Standard Electric Corporation. (See Scott, T. R., and Webb, assignors.)
International Standard Electric Corporation. (See Warner, A. J., and New, assignor.)
International Telephone Development Co. (See Alford, Andrew, assignor.)
International Telephone Development Co. (See Hoffman, Ross B., assignor.)
Iwamae, Hiromu, Otake-cho, Saeki-gun, Japan. Manufacturing vegetable proteins. 2,272,562; Feb. 10.
Iwamae, Hiromu, Otake-cho. Saeki-gun, Japan. Manufacturing vegetable proteins. 2,272,563; Feb. 10.
Jaasund, Torkel, New York, and M. Hetland, West New Brighton, N. Y. Drawknife. 2,272,805; Feb. 10.
Jack, William A., 3rd, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Vibration isolating mounting. 2,272,639; Feb. 10.
Jackson, Horace. (See Garrett, G. H., and Jackson.)
Jacobowitz, Jacob, New York, N. Y. Cigarette. 2,272,206; Feb. 10.
Jacobs, Charles T. (See Slocum, C. W., and Jacobs.)
Jacobs, Charles T., New Providence Township, Union County, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Control system. 2,272,975; Feb. 10.
Jacobs, F. L., Company. (See Ingildsen, S., and Westrope, assignors.)
Jacobsson, Wilgot J., Scotch Plains, and S. R. Oldham, Elizabeth, N. J., assignors to Oxweld Acetylene Company. Fluid control apparatus. 2,272,243; Feb. 10.
Jahrstorfer, Michael. (See Hummel, H. G., and Jahnstorfer.)
Jalbert, Adrien L., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for uniting shoe parts. 2,272,207; Feb. 10.
Jammer, Jacob S. (See Reinken, L. W., and Jammer.)
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,272,174; Feb. 10.
Jayne, Bennett, New York, assignor of one-half to D. Calderazzo, Dolgeville, N. Y. Shoemaking method. 2,272,373; Feb. 10.
Johannsen, Udo K., and L. Illmer, Cortland, N. Y., assignors of two-fifths to said Johannsen and three-fifths to said Illmer. Cord stanchion for electric sad-irons. 2,272,670; Feb. 10.
Johns-Manville Corporation. (See Jack, William A., 3rd, assignor.)
Johnson, Benjamin F., Hummelstown, Pa. Soap dispensing apparatus. 2,272,669; Feb. 10.
Johnson, Earl J., Minneapolis, Minn. Work support for laundry tubs. 2,272,524; Feb. 10.
Johnson, Eric M., and D. Powell, assignors to The General Fireproofing Company, Youngstown, Ohio. Chair. 2,272,948; Feb. 10.
Johnson, Harold P., Baltimore, assignor of one-third to T. M. Kirby, Jr., Randallstown, and one-third to G. F. Sanerson, Arnold, Md. Hairpin. 2,272,409; Feb. 10.
Johnson, Herbert C. (See Wilcox, Russell I., assignor.)
Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 2,272,712; Feb. 10.
Johnson Laboratories, Inc. (See Schaper, William A., assignor.)
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Educational device. 2,272,410; Feb. 10.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Educational device. 2,272,411; Feb. 10.
Johnson Service Company. (See Otto, Carl A., assignor.)
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Fuel pump. 2,272,300; Feb. 10.
Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 2,272,671; Feb. 10.
Jones, F. W., & Son. (See McFadyen, John W., assignor.)
Jones, Hilton I., Wilmette, Ill. Embalming composition. 2,272,525; Feb. 10.
Jones, Weston C. (See Bailey, H. G., and Jones.)
Jones, Weston C. (See Lockett, P. F., Jones, and Bailey.)
Jonker, Johan L. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,272,844; Feb. 10.
Jordan, Hubert F., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method and apparatus for filtering. 2,272,175; Feb. 10.
Jorgensen, Karl, Seattle, Wash. Bottle filling mechanism. 2,272,208; Feb. 10.
Judge, Sidney G. (See Poor, N. H., Jr., and Judge.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Gropler, Hans, assignor.)
Kallmann, Hartmut I., Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for generating a beam of ions. 2,272,374; Feb 10.

Kallmann, Hartmut I., Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Arrangement for reproducing the intensity distribution in a ray of slow neutrons. 2,272,375; Feb. 10.

Källner, Gerhard. (See Frost, W., Källner, and Kölbl.)

Kean, Robert H. (See Cox, E., Kean, Carpenter, and Enos.)

Kearney, James R., Corporation. (See Fox, Charles A., assignor.)

Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)

Keebler, Paul T., and V. H. Baker, Springfield, Ohio, assignors to Elliott Compny, Pittsburgh, Pa. Tube cleaning apparatus. 2,272,640; Feb. 10.

Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument of the potentiometer type. 2,272,914; Feb. 10.

Keeling, William O., Pittsburgh, Pa. Thermal treatment of hydrocarbons. 2,272,209; Feb. 10.

Keeran, William C., Evanston, assignor to Bell & Gossett Company, Chicago, Ill. Seal for rotating shafts. 2,272,526; Feb. 10.

Kehr, Otto J., Upper Darby, Pa. Safety clasp. 2,272,674; Feb. 10.

Keller, Frederick L. (See Hale, O. G., and Keller.)

Keller, Gustave V., et al. (See Burton, W. C., and Brandenburger.)

Kelley, Lloyd A., Toledo, Ohio, assignor to Conklin Pen Company, Chicago, Ill. Mechanical pencil. 2,272,915; Feb. 10.

Kelly, John A., Riverside, R. I., assignor to Davol Rubber Company. Manufacture of rubber tubing. 2,272,343; Feb. 10.

Kennedy, Harvey T., Forest Hills, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Water flooding of oil fields. 2,272,672; Feb. 10.

Kennedy, Harvey T., Forest Hills, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Gas repressuring of oil fields. 2,272,673; Feb. 10.

Kennedy, James M., A. P. Knight, and H. J. Lee, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Copper coated cooking vessel. 2,272,609; Feb. 10.

Kern, Josef, and H. Krefft, Berlin-Schonberg, Germany, assignors to General Electric Company. Electric high pressure discharge lamp. 2,272,467; Feb. 10.

Kerr, Mark B., Rosebank, assignor to Postal Telegraph Cable Company (New York), New York, N. Y. Multiplex drop channel repeater. 2,272,412; Feb. 10.

Keston, Albert S. (See Becher, H., Keston, and Stein.)

Kidder, Elwin H., La Porte, Ind., assignor to American Creosoting Company, Inc., Louisville, Ky. Car loading and unloading apparatus. 2,272,949; Feb. 10.

Kiecker, Ervin A., Fairfax, Minn. Highway sign. 2,272,322; Feb. 10.

Kilbourne, Frederick L., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Thermoplastic product and producing same. 2,272,888; Feb. 10.

Kimbro, Albert M., Houston, Tex. Shock absorbing pedestal for seats. 2,272,344; Feb. 10.

King, Henry K., Cabin John, Md. Sealing dissimilar materials. 2,272,210; Feb. 10.

Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Induction meter. 2,272,748; Feb. 10.

Kinneberg, Ivar H., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of catalytic masses. 2,272,301; Feb. 10.

Kirby, Thomas M., Jr., et al. (See Johnson, Harold P., assignor.)

Kishish, James G. (See Organ, Arthur H., assignor.)

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,873; Feb. 10.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,874; Feb. 10.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,875; Feb. 10.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,876; Feb. 10.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,877; Feb. 10.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,272,878; Feb. 10.

Klein, Charles H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Sleeve and method of connecting a wire to same. 2,272,244; Feb. 10.

Klein, Maximilian, Sellersville, and W. E. Pfeffer, South Perkasie, assignors to United States Gauge Company, Sellersville, Pa. Illuminating indicating instruments. 2,272,806; Feb. 10.

Klein Stove Company. (See Sourber, Earl J., assignor.)

Klink, Fred, New Castle, Pa. Sheet counting mechanism. 2,272,713; Feb. 10.

Knaack, Rudolph F., Menands, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Thermal alarm. 2,272,978; Feb. 10.

Knebusch, Walter F. (See Burkholder, A. H., and Knebusch.)

Knight, Arthur P. (See Kennedy, J. M., Knight, and Lee.)

Knudsen, George M., Redlands, Calif. Centrifugal separator. 2,272,675; Feb. 10.

Knutsen, Knut A., Paris, France. Verifying machine for perforated cards. 2,272,916; Feb. 10.

Knobe, Kenneth A., Seattle, Wash. Dehydrating salts. 2,272,345; Feb. 10.

Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Belt fastener. 2,272,527; Feb. 10.

Kohler, Hans W., Washington, D. C. Superfrequency oscillatory means. 2,272,211; Feb. 10.

Kölbl, Otto. (See Frost, W., Källner, and Kölbl.)

Kott, Herman, East Orange, assignor, by mesne assignments, to Speedry Gravure Corporation, Hoboken, N. J. Web registering mechanism. 2,272,376; Feb. 10.

Krackowizer, Hermann J., Chicago, Ill. Defrosting means. 2,272,302; Feb. 10.

Krefft, Hermann. (See Kern, J., and Krefft.)

Kriegbaum, George M., and D. M. Morris, Richmond, Ind., assignors to International Harvester Company. Lid construction. 2,272,303; Feb. 10.

Kreiger, William Karl, Wilmington, and W. J. Travers, Jr., Bakersfield, Calif., assignors to Richfield Oil Corporation. Tong handle torque indicator. 2,272,610; Feb. 10.

Kronheim, Jacob, Cleveland Heights, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Upholstery construction. 2,272,807; Feb. 10.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushioned mounting for wheels. 2,272,270; Feb. 10.

Kuck, Cecil D., assignor to Reynolds Metals Company, Richmond, Va. Insulation demonstrator. 2,272,245; Feb. 10.

Kuever, Mrs. E. M., et al. (See Kuever, Paul H., Jr., assignor.)

Kuever, Paul H., Jr., Ada, Okla., assignor of twenty-five per cent to Mrs. E. M. Kuever, St. Louis, Mo., and twenty-five per cent to F. Blaine Rhoades, Fort Smith, Ark. Dry cement conveyer. 2,272,564; Feb. 10.

Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)

Kulka, Eugene R., Mount Vernan, N. Y. Holder for fluorescent lamps. 2,272,528; Feb. 10.

Kupferle, John C., Foundry Company. (See Heinkel, John, assignor.)

Lair, Julien J. B., and G. E. M. Perroux, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Directional aerial array. 2,272,611; Feb. 10.

Laizure, Ethel. (See Van Wormer, Farrand W., assignor.)

Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay apparatus. 2,272,714; Feb. 10.

Lane, Arthur C., and B. Adkins, Rugby, England, assignors to General Electric Company. Dynamoelectric machine. 2,272,749; Feb. 10.

Langdon, Andrew, Brighton, and W. L. Livingston, assignors to General Railway Signal Company, Rochester, N. Y. Switch and signal control system for railroads. 2,272,565; Feb. 10.

Lange, Henry, and F. G. Suchland, Quincy, Ill., assignors, by mesne assignments, to Walker Manufacturing and Sales Corporation, St. Joseph, Mo. Draft regulating mechanism. 2,272,468; Feb. 10.

Lannert, William H., assignor to Chicago Pump Company, Chicago, Ill. Centrifugal pump. 2,272,469; Feb. 10.

La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)

Larsen, Agnew E. (See Stanley, P. H., and Larsen.)

Larson, Albert D., Oklahoma City, Okla. Fishing tool. 2,272,529; Feb. 10.

Larson, Lawrence C., Callender, Iowa. Turn signal apparatus. 2,272,212; Feb. 10.

Laube, Grover, and R. C. Stevens, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Camera free head. 2,272,567; Feb. 10.

Laube, Grover, and R. C. Stevens, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Camera free head. 2,272,566; Feb. 10.

Lawler, Frank P., Chicago, Ill., assignor to G-L-T Corporation, San Francisco, Calif. Fair-leader. 2,272,917; Feb. 10.

Lawrence, Leon W., assignor to The Bircher Co., Inc., Rochester, N. Y. Envelope opening machine. 2,272,323; Feb. 10.

Lear Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Antenna reeling system. 2,272,213; Feb. 10.

Leduc, René, Le Vesinet, France. Continuous flow gas turbine. 2,272,676; Feb. 10.

Lee, Harley C., Columbus, assignor to Basic Refractories, Incorporated, Cleveland, Ohio. Making refractory materials. 2,272,324; Feb. 10.

Lee, Harold J. (See Kennedy, J. M., Knight, and Lee.)

Leinen, Arthur P., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric lighting fixture. 2,272,176; Feb. 10.

Leland, Ragnvald G., New York, N. Y. Hair waving device. 2,272,845; Feb. 10.

LePage's, Inc. (See Edson, Earle R., assignor.)

Levin, Isaac, Brooklyn, N. Y. Skirt marker. 2,272,612; Feb. 10.

Lewis, Kenneth B. (See George, J. R., and Lewis.)

Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Hardness testing machine. 2,272,993; Feb. 10.

Liebich, Rudolph J., Royal Oak, Mich. Multiple copy form. 2,272,325; Feb. 10.

Lincoln, Bert H., and W. L. Steiner, Ponca City, Okla., assignors to Continental Oil Company. Stabilized high film strength lubricating oils. 2,272,470; Feb. 10.

Lincoln, John C. (See Kronheim, Jacob, assignor.)

Linde, Leonard J., Drexel Hill, Pa., assignor to General Electric Company. Air blast circuit breaker. 2,272,214; Feb. 10.

Lindsey, Ernest E., Los Angeles, Calif. Freezing liquids. 2,272,715; Feb. 10.

Lindstrom, Ernest H., Los Angeles, Calif. Outlet box. 2,272,846; Feb. 10.

Links, Julian A., and J. P. Herst, assignors of one-half to M. J. Hirsch, San Francisco, Calif. Rewind device. 2,272,413; Feb. 10.

Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)

Lipe, W. C., Inc. (See Mariotte, Eugene S., assignor.)

Little, Robert J., Gates, assignor to General Railway Signal Company, Rochester, N. Y. Timing system. 2,272,568; Feb. 10.

Livingston, Waltrus L. (See Langdon, A., and Livingston.

Lockett, Paul F., W. C. Jones and H. G. Bailey, Newark, N. J., assignors to Owens-Corning Fiberglas Corporation. Automatic cutoff device. 2,272,215; Feb. 10.

Lodeesen, Herman J., Royal Oak, assignor to Parker Rust Proof Company. Coating copper and its alloys. 2,272,216; Feb. 10.

Loehr, Leslie K. (See Winger, S. C., and Loehr.)

Logan, George S., Fulton, N. Y. (Roofing. 2,272,377; Feb. 10.

Lohman Bros. (See Lohman, John T. and R. L., assignors.)

Lohman, John T., Los Angeles, and R. L. Lohman, North Hollywood, assignors to Lohman Bros., Los Angeles, Calif. Antisiphon valve. 2,272,304; Feb. 10.

Lohman, Rowland L. (See Lohman, John T. and R. L.)

Longenecker, Levi S., Mount Lebanon, Pa. Glass melting furnace. 2,272,217; Feb. 10.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of lower sugars. 2,272,378; Feb. 10.

Lorenz, C., Aktiengesellschaft. (See Eichhoff, Herbert, assignor.)

Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)

Lorenz, C., Aktiengesellschaft. (See Steinmetz, Joachim, assignor.)

Loukota, Douglas H., and R. C. Durant, Pasadena, and E. J. Neifing, assignors to J. H. Cannon, Los Angeles, Calif. Contact mounting for electrical devices. 2,272,379; Feb. 10.

Lowe, Joseph N., New York, N. Y. Making handbags or the like. 2,272,716; Feb. 10.

Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)

Ludwig, Leon R., Wilkinsburg, J. H. Frakes, Edgewood, and S. T. Schofield, deceased, by M. M. Schofield, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupting device. 2,272,717; Feb. 10.

Ludwig, Leon R., Forest Hills, H. L. Rawlins, Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,272,380; Feb. 10.

Luhmann, William N., Minneapolis, Minn. Fish box for boats. 2,272,569; Feb. 10.

Macht, Maurice L., Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding of organic plastics. 2,272,847; Feb. 10.

MacLagan, Allan R., Western Springs, and E. C. Neuhaus, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Die casting machine. 2,272,718; Feb. 10.

Madden, Louis J., Syracuse, assignor to Newton Line Company, Inc., Homer, N. Y. Machine for applying coatings to fishing lines. 2,272,177; Feb. 10.

Mahoney, Bertram W., Drexel Hill, Pa., assignor to General Electric Company. Electric switchgear. 2,273,001; Feb. 10.

Mahoney, Bertram W., Drexel Hill, Pa., assignor to General Electric Company. Electric switchgear. 2,273,002; Feb. 10.

Maier, Albert, assignor to Zahnradfabrik Friedrechshafen A.-G., Friedrichshafen, Bodensee, Germany. Electromagnetic clutch. 2,272,570; Feb. 10.

Majer, Frank G., Berwyn, Ill., assignor to International Harvester Company. Impulse drive mechanism. 2,272,305; Feb. 10.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Method and apparatus for machining materials. 2,272,271; Feb. 10.

Mallory Research Company, The. (See Mallory, Marion, assignor.)

Mandl, Arthur. (See Hinds, R. S., and Mandl.)

Manley, Jack M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical frequency changer. 2,272,246; Feb. 10.

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Mariotte, Eugene S., North Syracuse, assignor to W. C. Lipe, Inc., Syracuse, N. Y. Automatic stock bar feed mechanism for automatic metal working machines. 2,272,720; Feb. 10.

Marquardt, Samuel J., near Monroeville, Ind. Dehairing machine. 2,272,918; Feb. 10.

Marshall, James G., Niagara Falls, N. Y., and C. A. Silver, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc. Acetylene generation. 2,272,979; Feb. 10.

Martin, Glenn L., Company, The. (See Overbeke, John W., assignor.)

Marvel, Harvey E., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Resettable register. 2,272,417; Feb. 10.

Marvin, Thomas L., Chicago, Ill. Douche apparatus. 2,272,381; Feb. 10.

Maschinen-Und Mettallwaren-Handelsgesellschaft M. B. H. (See Weir, Horace M., assignor.)

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal element. 2,272,994; Feb. 10.

Mather, Percy, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,272,306; Feb. 10.

Mathieson Alkali Works, Inc., The. (See Petroe, Gregory A., assignor.)

Mattox, William J. (See Grosse, A. V., and Mattox.)

Maurer, Carl W., Freeport, N. Y., and A. E. Winey, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Annealing apparatus. 2,272,919; Feb. 10.

Maxey, Robert E., Lee, New York, N. Y. Steel tie. 2,272,218; Feb. 10.

Maybach, Karl, assignor to Maybach-Motorenbau, G. m. b. H., Friedrichshafen, Bodensee, Germany. Gear shift and clutch control apparatus. 2,272,571; Feb. 10.

Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)

Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,272,773; Feb. 10.

Maynard, Charles A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic separator. 2,272,719; Feb. 10.

McAdams, John, & Sons, Incorporated. (See Broadmeyer, Albert, assignor.)

McCabe, John J. (See Frantz, W. A., and McCabe.)

McCloskey, Matthew H., Jr., Philadelphia, Pa. Constructing arched structures. 2,272,382; Feb. 10.

McCollum, William F. (See Schlatter, and McCollum.)

McCoy, Thomas A. (See Granberg, A. J., and McCoy.)

McCoy, Verl E., La Grange, assignor to National Aluminate Corporation, Chicago, Ill. Fluid regulating and proportioning device. 2,272,721; Feb. 10.

McCoy, Walter M., Florence, Ala. Kiln ring cutting machine. 2,272,219; Feb. 10.

McCullough, Campbell R., Anniston, Ala., assignor to Monsanto Chemical Company. Production of acids of phosphorus. 2,272,414; Feb. 10.

McDougal, Taine G., K. Schwartzwalder, and A. H. Fessler, Flint, assignors to General Motors Corporation, Detroit, Mich. Ceramic article and making same. 2,272,346; Feb. 10.

McDowell, Thomas E., and W. A. Wulle, assignors to The Pyle-National Company, Chicago, Ill. Fitting. 2,272,718; Feb. 10.

McEvoy, James, administrator. (See McEvoy, William, assignor.)

McEvoy, William, deceased, Neola, Iowa; Joseph McEvoy, administrator. Planter guide. 2,272,870; Feb. 10.

McFadyen, John W., Tiverton, Ontario, assignor to F. W. Jones & Son, Bedford, Quebec, Canada. Honeycomb upcapping machine. 2,272,808; Feb. 10.

McGarry, John T., Cincinnati, Ohio. Rail lubricator. 2,272,774; Feb. 10.

McGarry, John T., Cincinnati, Ohio. Wheel flange and rail lubricator. 2,272,775; Feb. 10.

McGibbon, William, Glasgow, Scotland. Apparatus for cleaning valves. 2,272,686; Feb. 10.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Absorption heating system. 2,272,871; Feb. 10.

McLauchlan, Arthur B., Salem, Oreg. Pitter. 2,272,415; Feb. 10.

McLellan, Hiram N., Shaker Heights, and N. W. Taylor, Cleveland, Ohio; said Taylor assignor to said McLellan. Chair construction. 2,272,980; Feb. 10.

McVoy, Vincent P., Mobile, Ala. Nonskid rear system for automobiles. 2,272,416; Feb. 10.

Meadow, Edward. (See Rinkes, E. B., and Meadow.)

Meneray, Wallace E., and J. G. Tew, Lakeland, Fla. Conveyer for fruit and vegetables. 2,272,677; Feb. 10.

Mercier, Jean, Neuilly-sur-Seine, France. Apparatus for the distant indication of displacements or deformations, and their applications. 2,272,950; Feb. 10.
Merck & Co. (See Harris, Stanton A., assignor.)
Merco Nordstrum Valve Company. (See Waters, Russell M., assignor.)
Merrill, Patterson D., assignor to M. B. Skinner Co., South Bend, Ind. Weld patch clamp. 2,272,621; Feb. 10.
Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 2,272,307; Feb. 10.
Merrell, Wm. S., Company. (See Shelton, Robert S., assignor.)
Merry, Edward C., Miles City, assignor to J. Vernon Neville, Forsyth, Mont. Vehicle construction. 2,272,572; Feb. 10.
Merta, George, Los Angeles, Calif., assignor to Paper Container Manufacturing Company, Chicago, Ill. Forming reinforcing beads on conical paper cups. 2,272,920; Feb. 10.
Merta, Method, assignor to Paper Container Manufacturing Company, Chicago, Ill. Conical cup. 2,272,308; Feb. 10.
Mervis, Lou. (See Cullin, Jasper F., assignor.)
Méry, Francois P., Marseilles, France. Intake manifold for explosion engines, compressors, pumps, and the like. 2,272,418; Feb. 10.
Messmore, Harold E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combined fluid mixer and pump. 2,272,573; Feb. 10.
Meyer, George L. N., Milwaukee, Wis. Brush. 2,272,419; Feb. 10.
Micro Switch Corporation. (See Eaton, Malcolm W., assignor.)
Miescher, Karl, Riehen, and A. Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Derivative of the nuclear saturated and unsaturated pregnane series and making same. 2,272,809; Feb. 10.
Milburn, Denys P., Bombay, India, assignor to Imperial Chemical Industries Limited. Printing cellulosic textile materials. 2,272,810; Feb. 10.
Miller, Earl M., Euclid, assignor to Max Freedman, Cleveland, Ohio. Coffee maker. 2,272,471; Feb. 10.
Miller, George F., Union, N. J., and F. G. Nuxoll, Queens Village, and S. W. Rothermel, Lynbrook, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph keyboard apparatus. 2,272,420; Feb. 10.
Miller, Ira M., Yakima, Wash. Refrigerated apple vending machine. 2,272,750; Feb. 10.
Miller, Ralph. (See Hixson, A. W., and Miller.)
Miller, Robert E., Bronxville, N. Y. Adjustable furniture glide. 2,272,848; Feb. 10.
Miller, William J., Swissvale, Pa. Conveyer for elevating and transporting duty. 2,272,421; Feb. 10.
Miller, William J., Swissvale, Pa., and L. P. Reese, Scio, Ohio. Pottery topping machine. 2,272,422; Feb. 10.
Miller Wrapping and Sealing Machine Company. (See Heckman, John A., assignor.)
Milward, Victor T., Santa Barbara, Calif. Instantaneous cigarette extinguisher. 2,272,347; Feb. 10.
Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Mohr, Georg. (See Pachen, P., Mohr, and Ebert.)
Monitor Process Corporation. (See Tamminga, William, assignor.)
Monsanto Chemical Company. (See Du Bois, Gaston, assignor.)
Monsanto Chemical Company. (See McCullough, Campbell R., assignor.)
Moore, Richard S., Dallas, assignor, by mesne assignments, to Gulberson Oil Heater Company, Grand Prairie, Tex. Burner. 2,272,423; Feb. 10.
Moran, Samuel J., assignor to S. C. Bryant, trustee, Los Angeles, Calif. Equalizing device. 2,272,424; Feb. 10.
Morf, Rudolf, Kyburg, and G. Cornaz, Winterthur, Switzerland. Extraction of substances as well as mixtures of substances. 2,272,951; Feb. 10.
Morin, Louis H., and D. Marinsky, Bronx, N. Y. Machine for die casting thermoplastics. 2,272,220; Feb. 10.
Morin, Louis H., New York, N. Y., assignor to N. E. Griffin, South Pasadena, Calif. Window construction. 2,272,722; Feb. 10.
Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Wheeled scraper. 2,272,221; Feb. 10.
Morris, David M. (See Kriegbaum, G. M., and Morris.)
Morris, Donald W., and A. G. Cattaneo, Berkeley, Calif. Speed control mechanism. 2,272,678; Feb. 10.
Moss, Leo. (See Biggs, John L., assignor.)
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Gear pump. 2,272,309; Feb. 10.
Mow, Harold G., Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Preparing hydroxy naphthalene compounds. 2,272,272; Feb. 10.
Mullen, James H., assignor to S. T. Mullen, Chicago, Ill. Emergency repair pipe. 2,272,222; Feb. 10.
Mullen, Sadie T. (See Mullen, James H., assignor.)
Mureau, Charles A., Los Angeles, Calif. Cosmetic applicator. 2,272,641; Feb. 10.
Myers, Earl M. (See Therrien, Robert F., assignor.)
Nathan, Tracy D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing structure. 2,272,811; Feb. 10.
National Acme Company, The. (See Hogg, William J., assignor.)
National Aluminate Corporation. (See McCoy, Verl E., assignor.)
National Automotive Fibres, Inc. (See Davies, Clarence J., assignor.)
National Carbon Company. (See French, Harry F., assignor.)
National Pneumatic Company. (See Vander Veer, J. H., Forman, and Conklin, assignors.)
National Telephone Supply Company, The. (See Klein, Charles H., assignor.)
National Tube Company. (See Elster, Bert, assignor.)
Navias, Louis. (See Hull, A. W., and Navias.)
Neal, William B., Oak Park, Ill., assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Pipe joint. 2,272,812; Feb. 10.
Neifing, Edward J. (See Loukota, D. H., Durant, and Neifing.)
Neils, Raymond E. (See Flynn, T. P., and Neils.)
Nelson, Christian B., assignor to Auto Coolers, Inc., Chicago, Ill. Power transmission means. 2,272,981; Feb. 10.
Nettenstrom, Arthur R., Clarendon Hills, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Manufacture of dredge bucket pins and other similar articles of manufacture. 2,272,425; Feb. 10.
Neuhaus, Elmer C. (See MacLagan, A. R., and Neuhaus.)
Neumann, Willy, Rollberg over Bernau, near Berlin, Germany. Apparatus for cleaning air and other gases. 2,272,995; Feb. 10.
Neville, J. Vernon. (See Merry, Edward C., assignor.)
New, Archibald A. (See Warner, A. J., and New.)
New Jersey Machine Corporation. (See Squillier, Samuel, assignor.)
New Jersey Zinc Company, The. (See Anderson, E. A., and Edmunds, assignors.)
Newman, Morris S., Middletown, N. Y. Apparatus for treating the flesh side of skins. 2,272,348; Feb. 10.
Newman, Walter, as administrator. (See Catron, H., and Dotterer.)
Newton Line Company. (See Madden, Louis J., assignor.)
Ney, Norbert P., Milwaukee, Wis. Pipe attachment. 2,272,472; Feb. 10.
Noll, Norman S., Los Angeles, Calif. Paper fastening machine. 2,272,473; Feb. 10.
Norman, Edith J., et al. (See Norman, Joseph T., assignor.)
Norman, Joseph T., assignor of fifty-five per cent to E. J. Norman, and forty per cent to M. M. Baer, Huntington Mills, and five per cent to A. W. Widger, Shickshinny, Pa. Mechanical stoker operable with natural draft installations. 2,272,813; Feb. 10.
North American Holding Corporation, et al. (See Sackett, Ernest D., assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Kistler, Samuel S., assignor.)
Noser, Edward A., McAllen, Tex. Scaffold. 2,272,349; Feb. 10.
North American Holding Corporation. (See Johnston, James W., assignor.)
Nöthe, Erich, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Indicating the amount of ammunition fired from firearms. 2,272,574; Feb. 10.
Noyes, Stanley E., Los Angeles, Calif. Dental impression material. 2,272,723; Feb. 10.
Nusskern, Carl A. (See Wirth, Charles G., assignor.)
Nuxoll, Fred G. (See Miller, G. F., Nuxoll, and Rothermel.)
Nystrom, Karl F., Milwaukee, Wis., E. S. Beckette, East St. Louis, Ill., and V. L. Green, Milwaukee, Wis.; said Beckette assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,272,426; Feb. 10.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone substation apparatus. 2,272,474; Feb. 10.
O'Keane, Francis, Colgate, Wis. Implement hitch. 2,272,724; Feb. 10.
Olcott, Lawrence E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Filling and venting device. 2,272,898; Feb. 10.
Oldham, Samuel R. (See Jacobsson, W. J., and Oldham.)
Olsen, Karl A. (See Wagner, L. R., and Olsen.)
Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
Olson, Carl W., Minneapolis, Minn. Vacuum cleaner. 2,272,814; Feb. 10.
Organ, Arthur H., assignor of one-fourth to J. G. Kishish, Minneapolis, Minn. Wheel mounting for motor vehicles. 2,272,575; Feb. 10.

Ostermann, Rudolf M., Kenilworth, Ill. Rail vehicle with mechanically driven swivel truck. 2,272,679; Feb. 10.
Ostline, John E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,272,475; Feb. 10.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Regulating device. 2,272,815; Feb. 10.
Overbeke, John W., Annesle, assignor to The Glenn L. Martin Company, Baltimore, Md. Control of aircraft surfaces. 2,272,725; Feb. 10.
Owen, Trevor N., Utica, N. Y. Ridge wheel for ladders. 2,272,642; Feb. 10.
Owen, William L., Baton Rouge, La. Increasing fermentative efficiency in ethanol production. 2,272,982; Feb. 10.
Owens-Corning Fiberglas Corporation. (See Bailey, H. G., and Jones, assignors.)
Owens-Corning Fiberglas Corporation. (See Lockett, P. F., Jones, and Bailey, assignors.)
Owens-Corning Fiberglas Corporation. (See Simison, Allen L., assignor.)
Owens-Corning Fiberglas Corporation. (See Tucker, Jesse L., assignor.)
Oxford Varnish Corporation. (See Hamant, Edward W., assignor.)
Oxweld Acetylene Company. (See Jacobsson, W. J., and Oldham, assignors.)
Oyster, Earl F., Cleveland, Ohio. Molding machine. 2,272,816; Feb. 10.
Palmer, John E., Reading, Mass. Collapsible control stick for airplanes. 2,272,817; Feb. 10.
Paper Container Manufacturing Company. (See Merta, George, assignor.)
Paper Container Manufacturing Company. (See Merta, Method, assignor.)
Parker, Leonard E., Cary, assignor to Skilsaw, Inc., Chicago, Ill. Sanding machine. 2,272,273; Feb. 10.
Parker Rust Proof Company. (See Lodeesen, Herman J., assignor.)
Parrish, Carl C., assignor to Porter Steel Specialties, Shelbyville, Ind. Carpet sweeper. 2,272,476; Feb. 10.
Parshad Holding Corporation, et al. (See Sackett, Ernest D., assignor.)
Paschen, Paul, G. Mohr, and H. Ebert, Nuremberg, assignors to Patentverwertungs-Gesellschaft mit beschränkter Haftunk "Hermes," Berlin, Germany. Odometer. 2,272,326; Feb. 10.
Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes". (See Paschen, P., Mohr, and Ebert, assignors.)
Patterson-Ballagh Corporation. (See Ballagh, James C., assignor.)
Patterson, William S., Arlington, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Making and filling tea bags, coffee bags, and the like. 2,272,530; Feb. 10.
Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension measuring apparatus. 2,272,921; Feb. 10.
Paulus, Romeo, Plainville, Mass. Making fillers for rugs. 2,272,247; Feb. 10.
Paxton, Gerald C., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Packing stand. 2,272,427; Feb. 10.
Payne, John L., assignor of forty-nine one-hundredths to A. A. Cannon, Covington, Ga. Combined sweeper and brusher. 2,272,983; Feb. 10.
Pearson Heel Manufacturing Company. (See Pearson, Henry N., assignor.)
Pearson, Henry N., assignor to Pearson Heel Manufacturing Company, St. Louis, Mo. Heel tap. 2,272,248; Feb. 10.
Pedersen, Bernhard S., assignor to Ward Heater Co., Los Angeles, Calif. Heating system. 2,272,428; Feb. 10.
Peirson, Harold T., Brooklyn, N. Y. Asphalt seal for metallic window frames. 2,272,310; Feb. 10.
Penn, Frederic H., Dallas, Tex. Flour improving composition and method. 2,272,576; Feb. 10.
Penn, Frederic H., Dallas, Tex. Composition and method for bleaching milling products. 2,272,577; Feb. 10.
Penn, Frederic H., Dallas, Tex. Hydrogenated butter method. 2,272,578; Feb. 10.
Pennell, Philip H., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for presetting wear films. 2,272,776; Feb. 10.
Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Flynn, T. P., and Neils, assignors.)
People in the Territory of the United States, Dedicated to the free use of the. (See Winslow, Lawrence P., assignor.)
People of the United States of America, Dedicated to the free use of the. (See Coe, Mayne R., and M. R., Jr.)
Percussion Welder Corporation. (See Dyer, Rex H., assignor.)
Perkins, Theodore B., West Orange, N. J., assignor to Radio Corporation of America. Voltage indicating device. 2,272,849; Feb. 10.
Perroux, Georges E. M. (See Lair, J. J. B., and Perroux.)
Perry, Dorsey D., Beaumont, Tex. Well pumping mechanism. 2,272,579; Feb. 10.
Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Hydraulic transmission. 2,272,249; Feb. 10.
Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Regulator valve. 2,272,250; Feb. 10.
Peters, Harry, Beverly Hills, and S. T. Pollak, Alameda, Calif. Toy convertible automobile-plane. 2,272,643; Feb. 10.
Petroe, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Treating solutions. 2,272,818; Feb. 10.
Pfeffer, William E. (See Klein, M., and Pfeffer.)
Pfleger, George T., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Pump. 2,272,477; Feb. 10.
Phelps, Walter A., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission with level equalizing. 2,272,613; Feb. 10.
Philbrick, Frank H., Evanston, Ill. Ballast cleaning apparatus. 2,272,429; Feb. 10.
Philco Radio and Television Corporation. (See Barth, Jay E., assignor.)
Phillips, Brooks, Savannah, Ga. Hair cutting and thinning shears. 2,272,580; Feb. 10.
Phillips Petroleum Company. (See Messmore, Harold E., assignor.)
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,272,581; Feb. 10.
Pidgeon, Charles S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Safety inner tube. 2,272,896; Feb. 10.
Pieper, Alphonse F., Brighton, N. Y. Electric discharge lamp. 2,272,274; Feb. 10.
Pieper, Alphonse F., Brighton, N. Y. Electric lighting fixture. 2,272,275; Feb. 10.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pierce, Raymond C., Chicago, Ill. Draft gear. 2,272,644; Feb. 10.
Pietzsch, Kurt, Hollriegelskreuth, near Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Completely sterilizing and purifying bathing water in swimming pools. 2,272,223; Feb. 10.
Pilliero, James, Astoria, assignor to Dickson Wire & Cable Corp., Long Island City, N. Y. Metal fabric and article formed therefrom. 2,272,276; Feb. 10.
Pilkington Brothers Limited. (See Waldron, F. B., and Griffin, assignors.)
Pittsburgh Forgings Company. (See Fader, William L., Jr., assignor.)
Plensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Control apparatus for radio receivers. 2,272,922; Feb. 10.
Pneumatic Scale Corporation, Limited. (See Patterson, William S., assignor.)
Pneumatic Scale Corporation. (See Robinson, George A., assignor.)
Pneumatic Scale Corporation. (See Vergobbi, John G., assignor.)
Poetsch, Walter R. (See Poetsch, William C. and W. R.)
Poetsch, William C. and W. R., Chicago, Ill. Hospital table. 2,272,819; Feb. 10.
Poggio, Aristides, Zarate, Buenos Aires, Argentina. Labeling machine. 2,272,350; Feb. 10.
Polcari, Carmine, Boston, Mass. Faucet. 2,272,351; Feb. 10.
Pollak, S. Theodore. (See Peters, H., and Pollak.)
Poole, Frederick A., Barrington, assignor to Production Instrument Company, Chicago, Ill. Counting device. 2,272,478; Feb. 10.
Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Assembling machine. 2,272,850; Feb. 10.
Poor, Nathan H., Company. (See Poor, N. H., 2nd, and Judge, assignors.)
Poor, Nathan H., 2nd, and S. G. Judge, assignors to Nathan H. Poor Company, Peabody, Mass. Drying apparatus. 2,272,383; Feb. 10.
Poppe, Alfred, Rochester, N. Y. Pond and fish bowl. 2,272,582; Feb. 10.
Porter Steel Specialties. (See Parrish, Carl C., assignor.)
Postal Telegraph-Cable Company (New York). (See Kerr, Mark B., assignor.)
Powell, Dwight. (See Johnson, E. M., and Powell.)
Power Research Corporation. (See Bowers, Thomas A., assignor.)
Presby, Leroy Q., Melrose, assignor to Rotogravure Engineering Co. of Massachusetts, Boston, Mass. Printing press and the like. 2,272,820; Feb. 10.
Prest-O-Lite Company, The. (See Marshall, J. G., and Siver, assignors.)
Prew, Harvey A., North Kingston, R. I., assignor to Pru-les-co Art Metal Co., Inc. Picture frame or the like. 2,272,479; Feb. 10.
Production Instrument Company. (See Poole, Frederick A., assignor.)
Pru-les-co Art Metal Co. (See Prew, Harvey A., assignor.)

Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,272,923; Feb. 10.
Purington, Ellison S. (See Hammond, J. H., Jr., and Purington.)
Pyle-National Company. (See McDowell, T. E., and Wulle, assignors.)
R-B-M Manufacturing Company. (See Catron, H., and Dotterer, assignors.)
Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,272,430; Feb. 10.
Radio Corporation of America. (See Battermann, Ludwig A., assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Herzog, Carl, assignor.)
Radio Corporation of America. (See Hickok, Willard H., assignor.)
Radio Corporation of America. (See Hillier, James, assignor.)
Radio Corporation of America. (See Jonker, Johan L. H., assignor.)
Radio Corporation of America. (See Perkins, Theodore B., assignor.)
Radio Corporation of America. (See Ramsay, John F., assignor.)
Radio Corporation of America. (See Rankin, John A., assignor.)
Radio Corporation of America. (See Roys, Henry E., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Tunick, Harry, assignor.)
Radio Corporation of America. (See Wagner, Herbert M., assignor.)
Radio Patents Corporation. (See Boucke, Heinz, assignor.)
Ramsay, John F., Chelmsford, England, assignor to Radio Corporation of America. Electrical oscillation generator. 2,272,851; Feb. 10.
Ramsey, Edwin L., and L. G. Graper, Chicago, Ill. Manufacturing steel. 2,272,277; Feb. 10.
Ranger Engineering Corporation. (See De Pew, Chester C., assignor.)
Rankin, John A., Jackson Heights, N. Y., assignor to Radio Corporation of America. Directional antenna orientation control. 2,272,431; Feb. 10.
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Gas blast electric circuit breaker. 2,272,224; Feb. 10.
Rathbun, Alan E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat construction. 2,272,885; Feb. 10.
Rausch, Anthony B., Pueblo, Colo. Governor. 2,272,822; Feb. 10.
Rawlins, Herbert L. (See Ludwig, L. R., Rawlins, and Baker.)
Reconstruction Finance Corporation. (See Chesley, Walter R., assignor.)
Reed, Charles W., Jr., Mobile, Ala. Self-contained escape device for submerged vessels. 2,272,952; Feb. 10.
Reed, Jesse O., Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Filtering apparatus. 2,272,583; Feb. 10.
Reese, Lewis P. (See Miller, W. J., and Reese.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reichenbach, Howard F., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Adjustable holder for lipsticks and the like. 2,272,924; Feb. 10.
Reichhold Chemicals, Inc. (See Hönel, Herbert, assignor.)
Reiners, Wilhelm, assignor to Schlafhorst & Co., Gladbach-Rheydt, Germany. Traverse roll. 2,272,384; Feb. 10.
Reinken, Louis W., and J. S. Jammer, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Refrigerator. 2,272,614; Feb. 10.
Reuter, Georg, Markranstadt, near Leipzig, Germany. Cadmium coating. 2,272,777; Feb. 10.
Reuter, Paul A., Union, N. J. Apparatus for lifting invalids. 2,272,778; Feb. 10.
Revere Copper and Brass Incorporated. (See Kennedy, J. M., Knight, and Lee, assignors.)
Reynolds, Arthur J. (See Armstrong, Ernest, assignor.)
Reynolds Metals Company. (See Kuck, Cecil D., assignors.)
Rhoades, F. Blaine, et al. (See Kuever, Paul H., Jr., assignor.)
Ricards, Charles L., South Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,272,225; Feb. 10.
Richfield Oil Corporation. (See Kreiger, W. K., and Travers, assignors.)
Riddle, Frank H., Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Electric insulating material. 2,272,480; Feb. 10.
Riesing, Ellwood F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Lever for manual operation. 2,272,897; Feb. 10.
Rinkes, Earl B., Canton, and E. Meadow, Massillon, Ohio. Treating and massaging parts of the body. 2,272,481; Feb. 10.
Ripper, Kurt, assignor to American Cyanamid Company, New York, N. Y. Casein-coid-process. 2,272,352; Feb. 10.
Ritter, Heinrich. (See Zerweck, W., Schütz, and Ritter.)
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Luggage carrier bottom cleat. 2,272,584; Feb. 10.
Ritzmann, Otto F., Baldwin Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seismograph. 2,272,984; Feb. 10.
Roberts, Edmund W., Jr. (See High, C. W., and Roberts, Jr.)
Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method of and apparatus for producing bags. 2,272,251; Feb. 10.
Robinson, Harry G., Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Nibbling machine. 2,272,751; Feb. 10.
Rock, Sidney. (See Smith, C. I., and Rock.)
Rocke, William, South Bend, Ind. Adjustable hydrotherapy nozzle. 2,272,585; Feb. 10.
Rogers, Clifford R. (See Baker, D. B., Rogers, and Beckman.)
Rogie, James M., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,272,432; Feb. 10.
Rooney, Harry E., Haddam, Kans. Speed control mechanism for vehicles. 2,272,953; Feb. 10.
Roos, Henry W., Cincinnati, Ohio. Running wire tightener or reeling apparatus. 2,272,278; Feb. 10.
Rosaire, Esme E., Houston, Tex. Geochemical prospecting. 2,272,645; Feb. 10.
Rosco Manufacturing Company. (See Cederstrom, Harold A., assignor.)
Rosenzweig, Sam, New York, N. Y. Imparting bactericidal and sterilizing properties to natural sponges. 2,272,728; Feb. 10.
Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for decorating glass articles. 2,272,586; Feb. 10.
Ross, John. (See Becher, H., Ross, and Stein.)
Ross, John. (See Becher, H., Stein, and Ross.)
Rossman, Allen M., Wilmette, Ill. Steam engine. 2,272,226; Feb. 10.
Rostás, Ernest. (See Clavier, A. G., and Rostás.)
Rothermel, Samuel W. (See Miller, G. F., Nuxoll, and Rothermel.)
Rotogravure Engineering Co. of Massachusetts. (See Presby, Leroy Q., assignor.)
Rowell, Ralph M. (See Corson, A. J., and Rowell.)
Roys, Henry E., Audubon, N. J., assignor to Radio Corporation of America. Telegraphone. 2,272,821; Feb. 10.
Ruen, Henry C., assignor to Cleaners Hanger Company, Detroit, Mich. Garment hanger. 2,272,587; Feb. 10.
Rundle, Henry M., Moorestown, N. J. Advertising device. 2,272,622; Feb. 10.
Runner, Earle I., Wheeling, W. Va. Container for mounting on display cards. 2,272,623; Feb. 10.
Ruska, Ernst, Berlin-Spandau, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Electronic microscope. 2,272,353; Feb. 10.
S. & W. Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)
Sackett, Ernest D., West Somerville, Mass., assignor of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Composition of matter and making. 2,272,482; Feb. 10.
St. John, Everett, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable lashing machine. 2,272,253; Feb. 10.
St. Laurent, John G., Worcester, Mass. Compact vehicle wheel raising device. 2,272,334; Feb. 10.
Salzberg, Bernard, East Orange, N. J., assignor to Radio Corporation of America. Detector circuit for television receivers. 2,272,385; Feb. 10.
Sanders, Arthur F., assignor to John Fowler & Co., (Leeds) Limited, Leeds, England. Control of fuel injection engines. 2,272,726; Feb. 10.
Sanderson, Gustav F., et al. (See Johnson, Harold P., assignor.)
Sanowskis, Albert, Chicago, Ill. Combination lock. 2,272,354; Feb. 10.
Santiago, James J. (See Grant, J., and Santiago.)
Sarbey, Maurice D., Bay Village, Ohio, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flash lamp. 2,272,779; Feb. 10.
Sartori, Paul, Plymouth, Wis. Cheese-curd machine. 2,272,954; Feb. 10.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient connector. 2,272,900; Feb. 10.
Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Piston seal. 2,272,327; Feb. 10.

Sbicca, Arthur, Philadelphia, Pa. Last for shoemaking. 2,272,823; Feb. 10.
Sbicca, Arthur, Philadelphia, Pa. Lasting shoes. 2,272,824; Feb. 10.
Schaefer, Albert B., New York, N. Y. Setting or clamping screw. 2,272,852; Feb. 10.
Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Mounting and operating means for variable inductance devices. 2,272,433; Feb. 10.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield construction and assembly. 2,272,680; Feb. 10.
Schenley Distillers Corporation. (See Carter, Sidney T., assignor.)
Scherer, Robert P., Detroit, Mich. Mechanism for forming capsules. 2,272,328; Feb. 10.
Schering Corporation. (See Dohrn, M., and Hamann, assignors.)
Schermerhorn, George D., Reading, Mich. Chair structure. 2,272,329; Feb. 10.
Schilling, Andreas. (See Schmidt, G., and Schilling.)
Schindel, John, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Finder for screw driving tools. 2,272,279; Feb. 10.
Schjolin, Hans, assignor, by mesne assignments, to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Turbodrive and control. 2,272,434; Feb. 10.
Schlafhorst & Co. (See Reiners, Wilhelm, assignor.)
Schlatter, Moses, and W. F. McCollum, Los Angeles, Calif. Wedge-up clamp. 2,272,624; Feb. 10.
Schmid, Otto. (See Conzetti, A., and Schmid.)
Schmidt, Gerhard, and A. Schilling, Dessau, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Apparatus for the production of photographic printing light. 2,272,646; Feb. 10.
Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Tool for washers. 2,272,355; Feb. 10.
Schofield, Martha M., administratrix. (See Ludwig, L. R., Frakes, and Schofield.)
Schofield, Stanley T. (See Ludwig, L. R., Frakes, and Schofield.)
Schon, Emanuel. (See Spitalnik, Solomon, assignor.)
Schroeder, Simon E., assignor to Barlow & Seelig Manufacturing Company, Ripon, Wis. Driving mechanism. 2,272,853; Feb. 10.
Schuessler, L. Ray, et al. (See Burton, W. C., and Brandenburger, assignors.)
Schumacher, Earle E. (See Bouton, G. M., and Schumacher.)
Schupp, Paul, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Manufacturing dielectrically high-grade ceramic substances. 2,272,330; Feb. 10.
Schupp, Paul, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Producing dielectrically high-grade titanium dioxide. 2,272,331; Feb. 10.
Schurch, Jacob H., Los Angeles, assignor of one-half to G. Couleur, Glendale, Calif. Single phase motor. 2,272,435; Feb. 10.
Schütz, Karl. (See Zerweck, W., Schütz, and Ritter.)
Schwartzwalder, Karl. (See Fessler, A. H., and Schwartzwalder.)
Schwartzwalder, Karl. (See McDougal, T. G., Schwartzwalder, and Fessler.)
Schweyer, Daniel H., Easton, Pa. Thermoelectric marker. 2,272,780; Feb. 10.
Scott-Paine, Hubert, Hythe, Southampton, England. Apparatus for launching torpedoes. 2,272,727; Feb. 10.
Scott, Thomas R., and J. K. Webb, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric cable. 2,272,615; Feb. 10.
Searing, Eugene P., Paterson, N. J. Glass cleaning and polishing machine. 2,272,729; Feb. 10.
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Reed, Jesse O., assignor.)
Seright, Warren A., Muscatine, Iowa. Vine cutter. 2,272,436; Feb. 10.
Servel, Inc. (See Thomas, Albert R., assignor.)
Seymour, Clayton B., Chicago, Ill., assignor to Hoof Products Company. Attachment for carburetors. 2,272,386; Feb. 10.
Shannon, S. Q., Los Angeles, Calif. Piston ring. 2,272,531; Feb. 10.
Sheely, Madison L., Des Plaines, assignor to Armour and Company, Chicago, Ill. Core oil. 2,272,483; Feb. 10.
Shellmar Products Company. (See Gurwick, Irving, assignor.)
Shelton, Robert S., Mariemont, assignor to Wm. S. Merrell Company, Reading, Ohio. Therapeutic compositions. 2,272,484; Feb. 10.
Shinn, Byron H. (See Tatter, J. W., and Shinn.)
Shriver, William C., assignor to Asbestos Manufacturing Company, Huntington, Ind. Brake lining construction. 2,272,532; Feb. 10.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Nöthe, Erich, assignor.)
Siemens Bros. & Company Ltd. (See Hensler, Bernard A., assignor.)
Siemens & Halske Aktiengesellschaft. (See Gerdien, Hans, assignor.)
Sigo, Arthur T., Maywood, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Testing and indicating apparatus. 2,272,311; Feb. 10.
Silesia, Verein Chemischer Fabricken. (See Frost, W., Källner and Kölbl, assignors.)
Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake lever and brake shoe. 2,272,647; Feb. 10.
Simison, Allen L., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Coating for fibrous glass strands. 2,272,588; Feb. 10.
Sims, Clarence R., assignor to Therm-U-lator Corporation, Elkhart, Ind. Trailer heat and air conditioning device. 2,272,356; Feb. 10.
Sinclair Refining Company. (See Bender, Richard O., assignor.)
Sisson, Wilbur C., Seattle, Wash. Ring-locking means for fishhook knots. 2,272,332; Feb. 10.
Siver, Chester A. (See Marshall, J. G., and Siver.)
Skilsaw, Inc. (See Parker, Leonard E., assignor.)
Skinner, M. B., Co. (See Merrill, Patterson D., assignor.)
Sloane, Max. (See Sloane, Nathan and M.)
Sloane, Nathan and M., Brooklyn, N. Y. Combined handbag and key holder. 2,272,854; Feb. 10.
Slocum, Charles W., New York, N. Y., and C. T. Jacobs, New Providence Township, Union County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Control system. 2,272,977; Feb. 10.
Smith, A., & Son, Incorporated. (See Smith, J. R., Jr., and De la Rosa, assignors.)
Smith, Christopher I., Long Island City, and S. Rock, New York, assignors to Cole Electric Products Co., Inc., Long Island City, N. Y. Switch. 2,272,730; Feb. 10.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,272,925; Feb. 10.
Smith, Henry C., assignor to Superior Hand Brake Company, Chicago, Ill. Brake mechanism. 2,272,437; Feb. 10.
Smith, John R., Jr., Haddonfield, N. J., and F. De la Rosa, assignors to A. Smith & Son, Incorporated, Philadelphia, Pa. Stretcher. 2,272,681; Feb. 10.
Smith, Lawrence J., Oak Park, Ill. Relay. 2,272,485; Feb. 10.
Smith, Lester C., West Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Motor mounting for vacuum cleaners. 2,272,985; Feb. 10.
Smith, Vernon C., Castroville, Tex. Portable loading scoop. 2,272,648; Feb. 10.
Smith, Walter E., Buffalo, N. Y. Apparatus for separating granular materials. 2,272,649; Feb. 10.
Snyder, Floyd C., Akron, Ohio. Screw driver. 2,272,357; Feb. 10.
Société Anonyme pour les Applications de l'Electricité et des Gaz Rares, Etablissements Claude-Paz et Silva. (See Courcil, Fernand, assignor.)
Soderquist, Harry L., Hollywood, Calif. Golfer's glove. 2,272,333; Feb. 10.
Sourber, Earl J., Pottsville, assignor to Klein Stove Company, Philadelphia, Pa. Stoker. 2,272,438; Feb. 10.
Southern Phosphate Corporation. (See Hagood, Johnson, assignor.)
Speedry Gravure Corporation. (See Kott, Hermann, assignor.)
Spencer Turbine Company, The. (See Smith, Lester C., assignor.)
Spengler, Walter J., J. R. Frei, and G. H. Dingman, Sidney, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Ignition means. 2,272,625; Feb. 10.
Spitalnik, Solomon, assignor of forty per cent to E. Schon, Miami, Fla. Blotter device. 2,272,955; Feb. 10.
Sponsel, Charles, Albuquerque, N. Mex. Bait spreader. 2,272,252; Feb. 10.
Spurck, Robert M., Llanerch, Pa., assignor to General Electric Company. Control of electric switches. 2,272,752; Feb. 10.
Squiller, Samuel, Pittsburgh, Pa., assignor to New Jersey Machine Corporation, Hoboken, N. J. Pump. 2,272,926; Feb. 10.
Srodulski, Joseph W., Chicago, Ill. Vending machine. compartment structure. 2,272,682; Feb. 10.
Srodulski, Joseph W., Chicago, Ill. Vending machine. 2,272,683; Feb. 10.
Stager, Luke L., Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tubulating. 2,272,927; Feb. 10.
Standard Oil Company, The. (See Burk, R. E., and Whitacre, assignors.)
Standard Oil Company, The. (See Hughes, Everett C., assignor.)
Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)
Standard Railway Devices Company. (See Gilpin, Garth G., assignor.)
Standard Railway Devices Company. (See Zeidler, Kurt E., assignor.)

Stanley, Paul H., Huntingdon Valley, and A. E. Larsen, Jenkintown, assignors to Autogiro Company of America, Willow Grove, Pa. Aircraft sustaining rotor blade. 2,272,439; Feb. 10.

Stanolind Oil and Gas Company. (See Bays, George S., assignor.)

Starke, Ingobert, assignor to the firm Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Cooling arrangement for aircraft engines. 2,272,626; Feb. 10.

Stein, Jacob. (See Becher, H., Keston, and Stein.)

Stein, Jacob. (See Becher, H., Ross, and Stein.)

Stein, Jacob. (See Becher, H., Stein, and Ross.)

Steiner, Waldo L. (See Lincoln, B. H., and Steiner.)

Steinhardt, Irving, New York, N. Y. Safety scissors. 2,272,753; Feb. 10.

Steinhaus, Edward C., Chicago, Ill. Airplane propeller. 2,272,358; Feb. 10.

Steinmetz, Joachim, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Regenerative wave band filter. 2,272,589; Feb. 10.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tube splicing apparatus. 2,272,881; Feb. 10.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making inner tubes. 2,272,895; Feb. 10.

Stevens, Robert C. (See Laube, G., and Stevens.)

Stocker, Closman P., Lorain, Ohio, assignor to General Electric Company. Gaseous discharge device and electrode assembly for use therein. 2,272,486; Feb. 10.

Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mine locomotive. 2,272,280; Feb. 10.

Stone, Clarence G., Mount Vernon, N. Y., and H. F. Herbig, Gallon, Ohio. Indicating the degree of pressure in pneumatic tires. 2,272,781; Feb. 10.

Stone, Lawrence E., Cleveland, Ohio. Facilitating the focusing of negatives. 2,272,487; Feb. 10.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,272,754; Feb. 10.

Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Form issuing machine. 2,272,440; Feb. 10.

Streander, Philip B., Maplewood, N. J., assignor to Underpinning & Foundation Co., Inc., New York, N. Y. Combined degreasing and grit removal. 2,272,441; Feb. 10.

Street, John N., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making radioactive compositions. 2,272,899; Feb. 10.

Stuber, Walter J., and J. J. Di Ienno, assignors to Carey McFall Company, Philadelphia, Pa. Headrail and valance bracket. 2,272,956; Feb. 10.

Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,272,782; Feb. 10.

Suchland, Frederick G. (See Lange, H., and Suchland.)

Sullivan Machinery Company. (See Dartnell, William W., assignor.)

Sullivan, Raymond H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Vibrator. 2,272,855; Feb. 10.

Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Electrical regulating apparatus. 2,272,755; Feb. 10.

Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Regulating apparatus. 2,272,756; Feb. 10.

Superior Hand Brake Company. (See Smith, Henry C., assignor.)

Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)

Sutcliffe, Arthur G. (See Weaver, L. C., and Sutcliffe.)

Svenson, Carl, et al. (See Svenson, Sven, assignor.)

Svenson, George, et al. (See Svensen, Sven, assignor.)

Svenson, Selma, as administratrix. (See Svenson, Sven.)

Svenson, Sven, deceased, by S. Svenson, administratrix, San Francisco, Calif., assignor to G. and C. Svenson, Actuator. 2,272,533; Feb. 10.

Swallen, Lloyd C., Pekin, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of zein. 2,272,488; Feb. 10.

Swan, Hylton, Upper Montclair, N. J., assignor, by mesne assignments, to Bakelite Corporation. Flexible printing plate. 2,272,254; Feb. 10.

Swart, Leland K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave system. 2,272,731; Feb. 10.

Swartzel, Karl D., Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse regenerator. 2,272,590; Feb. 10.

Swift, Harvey C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,272,359; Feb. 10.

Swift, Harvey C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure booster. 2,272,360; Feb. 10.

Swift Manufacturing Company. (See Bentley, Edward A., assignor.)

Tamminga, William, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Milk dispenser. 2,272,442; Feb. 10.

Tamminga, William, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Milk dispensing apparatus. 2,272,443; Feb. 10.

Tatter, John W., Akron, Ohio, and B. H. Shinn, Butler, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel construction. 2,272,962; Feb. 10.

Taylor Instrument Companies. (See Brown, W. J., Edwards, and Heldmann, assignors.)

Taylor Instrument Companies. (See Edwards, Evan A., assignor.)

Taylor Instrument Companies. (See Vogt, William H., assignor.)

Taylor Instrument Companies. (See Vogt, W. H., and Buske, assignors.)

Taylor, Norman W. (See McLellan, H. N., and Taylor.)

Taylor, Raymond S., and G. P. Bosomworth, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizing tires. 2,272,892; Feb. 10.

Teker, John W., Wesleyville, Pa., assignor to General Electric Company. Bearing and supporting structure. 2,272,757; Feb. 10.

Teleregister Corporation, The. (See Frischknecht, Ernest, assignor.)

Ternstedt Manufacturing Company. (See Cloutier, G. D., and Cooley, assignors.)

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade dispensing device. 2,272,444; Feb. 10.

Tew, John G. (See Meneray, W. E., and Tew.)

Therm-U-lator Corporation. (See Sims, Clarence R., assignor.)

Therrien, Robert F., assignor of one-half to E. M. Myers, Toledo, Ohio. Clearway for clogged ducts. 2,272,387; Feb. 10.

Thomas, Albert R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,272,856; Feb. 10.

Thomas, Jesse F., New London, Wis. Hollow panel. 2,272,227; Feb. 10.

Thompson Mfg. Co. (See Garrett, G. H., and Jackson, assignors.)

Thornburg, Herbert W., and R. S. Hoar, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Divider in drilling drums. 2,272,228; Feb. 10.

Threm, William B., Toledo, Ohio. Fluid charging head. 2,272,445; Feb. 10.

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Phosphatidic compound. 2,272,616; Feb. 10.

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Toledo Scale Company. (See Williams, Lawrence S., assignor.)

Torrington Manufacturing Co. (See Evans, Addison W., assignor.)

Trantin, Jacob, Jr., Youngstown, Ohio. Alloy. 2,272,534; Feb. 10.

Trask, Allen, St. Paul, assignor to Walter Haertel Products Company, Minneapolis, Minn. Garment rack bracket. 2,272,446; Feb. 10.

Travers, William J., Jr. (See Kreiger, W. K., and Travers.)

Traxel, Charles E., Rome, N. Y. Truck. 2,272,447; Feb. 10.

Treboux, Jules, Neue Welt, near Basel, assignor to J. R. Geigy A.-G., Basel, Switzerland. Agents for improving the fastness of directly dyed cellulose fibres to water, acid boil, and wet ironing, and their manufacture. 2,272,783; Feb. 10.

Trimble, Lyne S. (See Gundelfinger, A. M., and Trimble.)

Troidl, Robert A., Lake George, N. Y. Tie holder. 2,272,361; Feb. 10.

Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)

Tucker, Jesse L., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Identifying means for textiles. 2,272,229; Feb. 10.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Radio relaying. 2,272,312; Feb. 10.

Twentieth Century-Fox Film Corporation. (See Laube, G., and Stevens, assignors.)

Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous condensation products and producing same. 2,272,489; Feb. 10.

Underpinning & Foundation Co. (See Streander, Philip B., assignor.)

Union Steam Pump Company. (See Yohpe, Reinhard A., assignor.)

Union Switch & Signal Company, The. (See Agnew, Norman F., assignor.)

Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)

Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)

Union Switch & Signal Company, The. (See Derr, William T., assignor.)

United Autographic Register Co. (See Horner, Elwood J., assignor.)

United Shoe Machinery Corporation. (See Butler, Ernest L., assignor.)

United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)

United Shoe Machinery Corporation. (See Jalbert, Adrien L., assignor.)

U. S. Electrical Motors, Inc. (See Pfieger, George T., assignor.)

United States Gauge Company. (See Klein, M., and Pfeffer, assignors.)

United States Gypsum Company. (See Haegle, Otto P., assignor.)

United States Rubber Company. (See Harding, Watson G., assignor.)

United States Rubber Company. (See Jordan, Hubert F., assignor.)

Universal Hydraulic Stress Equalizer, Inc. (See Zoll, Carl M., assignor.)

Universal Oil Products Company. (See Angell, Charles H., assignor.)

Universal Oil Products Company. (See Bergman, Donald J., assignor.)

Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)

Universal Oil Products Company. (See Grosse, A. V., and Mattox, assignors.)

Universal Oil Products Company. (See Kinneberg, I. H., and Ahlberg, assignors.)

Universal Oil Products Company. (See Mather, Percy, assignor.)

Universal Paper Products Company. (See Amberg, Ralph G., assignor.)

Vander Veer, John H., Westfield, and P. R. Forman and R. D. Conklin, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y. Door opening and door check releasing device. 2,272,732; Feb. 10.

Van Wormer, Farrand W., Oklahoma City, assignor of one-half to E. Laizure, Oklahoma City, Okla. Safety mask. 2,272,959; Feb. 10.

Van Voorhees, Harold E., Detroit, Mich. Counterbalanced lid support. 2,272,230; Feb. 10.

Vreduin, John, Hawthorne, N. J. Pressure dyeing machine for yarns, ribbons, and other materials. 2,272,591; Feb. 10.

Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton forming machine. 2,272,255; Feb. 10.

Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Window construction. 2,272,281; Feb. 10.

Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Hydraulically actuated member and speed control therefor. 2,272,684; Feb. 10.

Vickers, Incorporated. (See Vickers, Harry F., assignor.)

Viking Pump Company, The. (See Dennis, Charles W., assignor.)

Virginia-Carolina Chemical Corporation. (See Cox, E., Kean, Carpenter, and Enos, assignors.)

Vogt, William H., assignor to Taylor Instrument Companies, Rochester, N. Y. Ratio controller. 2,272,256; Feb. 10.

Vogt, William H., and G. E. Buske, assignors to Taylor Instrument Companies, Rochester, N. Y. Time cycle system. 2,272,257; Feb. 10.

Volk, Alfred, Hechingen, Germany. Separator means for use in vertical filing systems. 2,272,685; Feb. 10.

Vonich, Peter G., Standard City, Calif. Fusible ink. 2,272,857; Feb. 10.

Von Pein, Edward J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,272,448; Feb. 10.

Von Veh, Ernst, assignor to Carl Freudenberg, G. m. b. H., Weinheim, Baden, Germany. Fluid seal for direct insertion between relatively moving machine parts. 2,272,650; Feb. 10.

Voth, Walter P., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Retreading vulcanizer. 2,272,231; Feb. 10.

Votypka, John, assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,272,535; Feb. 10.

Votypka, John, assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable seat. 2,272,536; Feb. 10.

Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie G. m. b. H. (See Berg, Herbert, assignor.)

Wacker, George W., Cincinnati, Ohio, assignor to The Grotelite Company, Bellevue, Ky. Plastic injection molding cartridge. 2,272,449; Feb. 10.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio, trustees. Tripod. 2,272,490; Feb. 10.

Wagner Electric Corporation. (See Boldt, Werner F., assignor.)

Wagner Electric Corporation. (See Freeman, Walter R., assignor.)

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wagner, Herbert M., Newark, N. J., assignor to Radio Corporation of America. Electron beam tube. 2,272,232; Feb. 10.

Wagner, Lawrence R., and K. A. Olsen, Los Angeles, Calif. Protractor. 2,272,491; Feb. 10.

Waldron, Frederic B., Prescot, and J. H. Griffin, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for producing ground and polished glass strip. 2,272,651; Feb. 10.

Walker Manufacturing and Sales Corporation. (See Lange, H., and Suchland, assignors.)

Walp, Fred E., Springfield, Ohio. Scaffold. 2,272,957; Feb. 10.

Walters, Clarence C., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Processing thread or the like. 2,272,233; Feb. 10.

Wamser, Charles J., Milwaukee, Wis. Interchangeable illuminated sign. 2,272,733; Feb. 10.

Ward Heater Co. (See Pedersen, Bernhard S., assignor.)

Warner, Arthur J., and A. A. New, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Plasticization of polymerized styrene. 2,272,996; Feb. 10.

Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, R. L., and Hoyt, assignors.)

Waters, Russell M., Bakersfield, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Automatic sampler. 2,272,313; Feb. 10.

Weaver, Lewis C., and A. G. Sutcliffe, assignors to Ilg Electric Ventilating Company, Chicago, Ill. Shutter controlling device. 2,272,928; Feb. 10.

Webb, John K. (See Scott, T. R., and Webb.)

Webster-Chicago Corporation. (See Conrad, N. L., and Dale, assignors.)

Weinkauff, Bruno, Berlin, Germany. Gyroscopic apparatus. 2,272,986; Feb. 10.

Weinlich, Herman A., Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,272,450; Feb. 10.

Weir, Horace M., Philadelphia, Pa., assignor, by mesne assignments, to Maschinen-Und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany. Regulating means. 2,272,451; Feb. 10.

Werkheiser, Robert C., Dover, N. J. Book with leaf-turning guide. 2,272,858; Feb. 10.

Wessanen's Koninklijke Fabrieken N. V. (See Graumann, Hermann, assignor.)

West, M. G., Germany. (See West, Ross R., assignor.)

West, Ross R., assignor to M. G. West Company, San Francisco, Calif. Filing drawer. 2,272,537; Feb. 10.

Western Electric Company. (See Drobish, Adolph E., assignor.)

Western Electric Company. (See Franks, Clem H., assignor.)

Western Electric Company. (See Hale, O. G., and Keller, assignors.)

Western Electric Company. (See MacLagan, A. R., and Neuhaus, assignors.)

Western Electric Company. (See Maurer, C. W., and Winey, assignors.)

Western Electric Company. (See Paulson, Christian, assignor.)

Western Electric Company. (See Stager, Luke L., assignor.)

Western Union Telegraph Company, The. (See Miller, G. F., Nuxoll, and Rothermel, assignors.)

Westinghouse Electric & Manufacturing Company. (See Chalupa, Joseph F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R. Frakes, and Schofield, assignors.)

Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., Rawlins, and Baker, assignors.)

Westinghouse Electric & Manufacturing Company. (See Withington, Clyde W., assignor.)

Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)

Westrope, Frederick J. (See Ingildsen, S., and Westrope.)

Wettstein, Albert. (See Miescher, K., and Wettstein.)

Weyher, Frederick J., Chicago, assignor to K. C. Brown, Evanston, Ill. Heat production control arrangement. 2,272,492; Feb. 10.

Whitacre, Charles H. (See Burk, R. E., and Whitacre.)

White Cap Company. (See White, William P., assignor.)

White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Closure cap and package. 2,272,234; Feb. 10.

Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer. 2,272,452; Feb. 10.

Widgren, Nels A., Chicago, Ill., assignor to International Harvester Company. Bracket construction. 2,272,283; Feb. 10.

Widger, Arthur W., et al. (See Norman, Joseph T., assignor.)

Wiegand, Edwin L., Pittsburgh, Pa. Electrical heating element. 2,272,282; Feb. 10.

Wiener, Louis J., Brooklyn, N. Y. Bed spring. 2,272,652; Feb. 10.

Wiese, George F., assignor to American Creosoting Company, Inc., Louisville, Ky. Railway car loading and unloading apparatus. 2,272,958; Feb. 10.

Wilcox, Richard L., and H. L. Hoyt, assignors to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 2,272,592; Feb. 10.

Wilcox, Richard L., and H. L. Hoyt, assignors to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 2,272,758; Feb. 10.
Wilcox, Russell I., Brookfield, Ill., assignor, by mesne assignments, to H. C. Johnson, Wilmette, Ill. Multi-selection phonograph. 2,272,453; Feb. 10.
Wilfley, A. R., and Sons Inc. (See Wilfley, Elmer R., assignor.)
Wilfley, Elmer R., assignor to A. R. Wilfley and Sons Inc., Denver, Colo. Seal for centrifugal pumps. 2,272,454; Feb. 10.
Williams, Clarence M., Augusta, Kans. Controlled pumping choke for oil wells. 2,272,388; Feb. 10.
Williams, Edwin A., Jr., Lansdowne, Pa., assignor to General Electric Company. Electric switch. 2,272,759; Feb. 10.
Williams, Harold E., Carthage, Mo. Cushion structure. 2,272,493; Feb. 10.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Measuring instrument. 2,272,987; Feb. 10.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Measuring instrument. 2,272,988; Feb. 10.
Williams, Ormsby P., Huntington Park, Calif. Meat and fowl turner and lifter. 2,272,314; Feb. 10.
Wilsey, Irven H., Chicago, Ill. Dispensing machine. 2,272,859; Feb. 10.
Wilson, Robert F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Valve construction. 2,272,886; Feb. 10.
Wilson, Rosser L., Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Control apparatus. 2,272,872; Feb. 10.
Winey, Arthur E. (See Maurer, C. W., and Winey.)
Winger, Stover C., and L. K. Loehr, assignors to G. H. Hall, Los Angeles, Calif. Power transmitting system. 2,272,495; Feb. 10.
Winslow, Lawrence P., Berkeley, Calif., dedicated to the free use of The People in the terriory of the United States. Safety device. 2,272,494; Feb. 10.
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wirth, Charles G., Fair Oaks, assignor of forty per cent to C. A. Nusskern, Pittsburgh, Pa. Electric connector. 2,272,538; Feb. 10.
Withington, Clyde W., Media, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Carbon ring. 2,272,455; Feb. 10.
Witt, Irwin H., Evanston, Ill. Stopping flow of fluid in conduits. 2,272,734; Feb. 10.
Wolf, Charles H., and R. E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Wolf. Automatic switch. 2,272,784; Feb. 10.
Wolfe, Lem W., Setauket, N. Y. Angle meter for cutting pipes. 2,272,860; Feb. 10.
Wood, Fredric E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switching device. 2,272,496; Feb. 10.
Wood Newspaper Machinery Corporation. (See Ricards, Charles L., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright, Daniel K. (See Cotman, C. A., and Wright.)
Wright, Theodore M. (See Andres, L. J., and Wright.)
Wright, William R., Lincoln, Nebr. Autographic register. 2,272,497; Feb. 10.
Wulle, William A. (See McDowell, T. E., and Wulle.)
Wüsteney, Herbert. (See Holm, R., Wüsteney, and Hennig.)
Yellow Truck & Coach Manufacturing Company. (See Schjolin, Hans, assignor.)
Yoder Company, The. (See Allardt, Ernst W., assignor.)
Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Pressure gauge mounting. 2,272,861; Feb. 10.
Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Plunger packing. 2,272,862; Feb. 10.
Young, Charles H., Jr., Wayne, assignor to The Hale Fire Pump Co., Inc., Conshohocken, Pa. Valve. 2,272,960; Feb. 10.
Young, Fred M., Racine, Wis. Heat exchange tube protector. 2,272,863; Feb. 10.
Zahnradfabrik Friedrechshafen A.-G. (See Maier, Albert, assignor.)
Zeidler, Kurt E., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car. 2,272,539; Feb. 10.
Zenith Radio Corporation. (See Emde, Kurt, assignor.)
Zerbee, Louis J., Bellefontaine, Ohio. Loom. 2,272,456; Feb. 10.
Zerweck, Werner, K. Schütz, and H. Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Producing compounds of the diaryl series. 2,272,498; Feb. 10.
Zimarik, John, Akron, Ohio. Washing machine. 2,272,284; Feb. 10.
Zimmerman, Louis H., Beaver Dam, Wis., assignor of one-tenth to The Firestone Tire & Rubber Company, Akron, Ohio. Protective pad. 2,272,884; Feb. 10.
Zoll, Carl M., assignor to Universal Hydraulic Stress Equalizer, Inc., Dundalk, Md. Ship salvaging apparatus. 2,272,785; Feb. 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake, Torque band. C. F. Van Hook. Re. 22,024; Feb. 10.
Coffee-making device. A. A. Peters. Re. 22,022; Feb. 10.
Control apparatus. R. L. Wilson. Re. 22,026; Feb. 10.
Controlling mechanism for agricultural implements. T. Brown. Re. 22,019; Feb. 10.
Picture and sound apparatus. G. Wald. Re. 22,025; Feb. 10.
Spreader, Rotary. E. M. and J. C. Fulkerson. Re. 22,020; Feb. 10.
Steel containing tellurium. M. J. R. Morris. Re. 22,021; Feb. 10.
Sweatband for hats. L. Szumkowski. Re. 22,023; Feb. 10.

LIST OF DESIGN INVENTIONS

Badge or similar article. E. C. Humphrey and W. Pels. 131,374; Feb. 10.
Blouse. I. Geist. 131,387–9; Feb. 10.
Bottle. F. Levy-Hawes. 131,361; Feb. 10.
Bracelet. M. Chernow. 131,373; Feb. 10.
Brooch or similar article. A. Philippe. 131,365–71; Feb. 10.
Brooch or similar article. A. Philippe. 131,378–81; Feb. 10.
Cabinet. V. Schreckengost. 131,353–4; Feb. 10.
Cap, Bathing. B. F. Crohn. 131,385; Feb. 10.
Cape, Make-up. A. V. Wilker. 131,384; Feb. 10.
Casket or similar article, Burial. M. E. Ramsey. 131,382; Feb. 10.
Coat. S. Etkin. 131,386; Feb. 10.
Coat. S. Riesenberg. 131,393; Feb. 10.
Curtain or similar article, Lace. M. Sadinoff. 131,395; Feb. 10.
Dress ensemble. S. Kuznetz. 131,390–2; Feb. 10.
Dress ensemble. A. Rosen. 131,394; Feb. 10.
Emblem or the like, Car. F. Knapke. 131,351; Feb. 10.
Flash light or similar article, Wrist-carried. H. R. McPherson. 131,352; Feb. 10.
Game board. A. G. Jedlicka. 131,375; Feb. 10.
Game board. E. F. Jones. 131,360; Feb. 10.
Game board. H. J. Peo. 131,376–7; Feb. 10.
Gem setting or similar article. I. Roskin. 131,402; Feb. 10.
Golf-club head cover. A. S. Reed and C. J. Thelander. 131,372; Feb. 10.
Golf club head cover. C. J. Thelander. 131,383; Feb. 10.
Hairbrush. P. J. Chéron. 131,357–8; Feb. 10.
Hanger, Coat. T. Harris. 131,347; Feb. 10.
Heater. L. W. Welch. 131,355; Feb. 10.
Light housing for automobiles, Stop and tail. J. R. Glocksine and A. Zucker. 131,345; Feb. 10.
Pan, Roasting or baking. S. T. Howard. 131,350; Feb. 10.
Picture reel, Moving. J. M. Goldberg. 131,400; Feb. 10.
Pin or the like. W. Lampl. 131,401; Feb. 10.
Pin or the like, Emblem. R. W. Crane. 131,359; Feb. 10.
Plow. L. Forgy. 131,399; Feb. 10.
Pop-gun. J. F. and E. M. Mathews. 131,363–4; Feb. 10.
Receptacle, Flexible pocket. D. J. Broughton. 131,398; Feb. 10.
Refrigerator, Domestic. D. E. Dailey and H. L. Van Doren. 131,342; Feb. 10.
Rug or similar article. E. Solins. 131,349; Feb. 10.
Shelf and mirror unit, Combined. C. Daum. 131,343; Feb. 10.
Shelf, Wall. C. Daum. 131,344; Feb. 10.
Spacer block for a camera. I. Benson and H. W. Levy. 131,341; Feb. 10.
Spoon, Skimming. J. Woginrich. 131,356; Feb. 10.
Sprayer. L. Guild. 131,346; Feb. 10.
Suit. A. Shotland. 131,396–7; Feb. 10.
Table cloth, Lace. W. C. Miller. 131,348; Feb. 10.
Truck, Industrial. W. W. MacDonald and J. R. Pomfret. 131,362; Feb. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration responsive device. C. L. Eksergian and J. H. Coombes. 2,272,601; Feb. 10.
Accounting machine. E. J. Rabenda. 2,272,430; Feb. 10.
Acetals, Production of polyvinyl. H. Berg. 2,272,828; Feb. 10.
Acetylene generation. J. G. Marshall and C. A. Siver. 2,272,979; Feb. 10.
Acid, Manufacture of phosphoric. G. Du Bois. 2,272,402; Feb. 10.
Acids of phosphorus, Production of. C. R. McCullough. 2,272,414; Feb. 10.
Acids, The thermal dehydration of lower fatty. H. Dreyfus. 2,272,293; Feb. 10.
Actuator. S. Svenson. 2,272,533; Feb. 10.
Adhesive composition, Moisture-reactivatable. E. R. Edson. 2,272,516; Feb. 10.
Adjustable seat. J. Votypka. 2,272,536; Feb. 10.
Advertising device. H. M. Rundle. 2,272,622; Feb. 10.
Aerial array, Directional. J. J. B. Lair and G. E. M. Perroux. 2,272,611; Feb. 10.
Agents for improving the fastness of directly dyed cellulose fibers to water, acid boil, and wet ironing, and their manufacture. J. Treboux. 2,272,783; Feb. 10.
Air conditioning system. E. E. Hans. 2,273,000; Feb. 10.
Aircraft sustaining rotor blade. P. H. Stanley and A. E. Larsen. 2,272,439; Feb. 10.
Airfoil, Control. P. E. Hovgard. 2,272,173; Feb. 10.
Airplane. J. Hojnowski. 2,272,522; Feb. 10.
Airplane landing gear. J. N. Gladden. 2,272,699; Feb. 10.
Airplane propeller. E. C. Steinhaus. 2,272,358; Feb. 10.
Air purifying unit. O. Holm-Hansen. 2,272,746; Feb. 10.
Alarm, Thermal. R. F. Knaack. 2,272,978; Feb. 10.
Alloy, E. A. Anderson and G. Edmunds. 2,272,390–1–3; Feb. 10.
Alloy. J. Trantin, Jr. 2,272,534; Feb. 10.
Alloys, Magnesium. A. Dällenbach. 2,272,936; Feb. 10.
Alloys of lead with calcium and metals of similar properties, Forming cast articles from. G. M. Bouton and E. E. Schumacher. 2,272,181; Feb. 10.
Ammeter and voltmeter, Direct current. A. J. Corson and R. M. Rowell. 2,272,767; Feb. 10.
Ammunition fired from firearms, Indicating the amount of. E. Nöthe. 2,272,574; Feb. 10.
Amplifier, Electron tube. H. Boucke. 2,272,235; Feb. 10.
Annealing apparatus. C. W. Maurer and A. E. Wing. 2,272,919; Feb. 10.
Antenna matching structure. R. B. Hoffman. 2,272,608; Feb. 10.
Antenna orientation control, Directional. J. A. Rankin. 2,272,431; Feb. 10.
Antenna reeling system. W. P. Lear. 2,272,213; Feb. 10.
Antisiphon valve. J. T. and R. L. Lohman. 2,272,304; Feb. 10.
Antitheft container. F. S. Butke and W. Fairchild. 2,272,790; Feb. 10.
Apparatus for assembling spark plugs. A. M. Brown. 2,272,882; Feb. 10.
Apparatus for cleaning air and other gases. W. Neumann. 2,272,995; Feb. 10.
Apparatus for cleaning valves. W. McGibbon. 2,272,686; Feb. 10.
Apparatus for communication systems. N. F. Agnew. 2,272,786; Feb. 10.
Apparatus for controlling paper manufacture. W. W. Frymoyer. 2,272,970; Feb. 10.
Apparatus for decorating glass articles. J. W. Ross. 2,272,586; Feb. 10.
Apparatus for launching torpedoes. H. Scott-Paine. 2,272,727; Feb. 10.
Apparatus for lifting invalids. P. A. Reuter. 2,272,778; Feb. 10.
Apparatns for making lavatories or the like. H. G. Coordes. 2,272,547; Feb. 10.
Apparatus for mounting valve stems on inner tubes. R. D. Hulsander. 2,272,894; Feb. 10.
Apparatus for presetting wear films. P. H. Pennell. 2,272,776; Feb. 10.
Apparatus for producing ground and polished glass strip. F. B. Waldron and J. H. Griffin. 2,272,651; Feb. 10.
Apparatus for producing high tension direct current. L. L. de Kramolin. 2,272,794; Feb. 10.
Apparatus for seismic surveying. T. E. Failing. 2,272,741; Feb. 10.
Apparatus for separating granular materials. W. E. Smith. 2,272,649; Feb. 10.
Apparatus for sterilizing soil. B. B. Elliott. 2,272,190; Feb. 10.
Apparatus for television transmission and reception. W. H. Hickok. 2,272,842; Feb. 10.
Apparatus for the distant indication of displacements or deformations, and their applications. J. Mercier. 2,272,950; Feb. 10.
Apparatus for the manufacture of metal articles. W. L. Fader, Jr. 2,272,740; Feb. 10.
Apparatus for the production of photographic printing light. G. Schmidt and A. Schilling. 2,272,646; Feb. 10.
Apparatus for treating the flesh side of skins. M. S. Newman. 2,272,348; Feb. 10.
Apparatus for welding metal. R. H. Dyer. 2,272,968; Feb. 10.
Arched structures, Constructing. M. H. McCloskey, Jr. 2,272,382; Feb. 10.
Arrangement for reproducing the intensity distribution in a ray of slow neutrons. H. I. Kallmann and E. Kuhn. 2,272,375; Feb. 10.
Ash tray. J. Frei, Jr. 2,272,697; Feb. 10.
Asphalt seal for metallic window frames. H. T. Peirson. 2,272,310; Feb. 10.
Asphalts, Manufacturing. R. E. Burk and C. H. Whitacre. 2,272,866; Feb. 10.
Assembling machine. L. E. Poole. 2,272,850; Feb. 10.
Atomizer. E. F. Healy. 2,272,943; Feb. 10.
Automatic switch. C. H. Wolf and R. E. Gearhart. 2,272,784; Feb. 10.
Automobile spring jack. R. Hebbert. 2,272,559; Feb. 10.
Bactericidal and sterilizing properties to natural sponges, Imparting. S. Rosenzweig. 2,272,728; Feb. 10.
Bag opening and filling machine. H. G. Allen. 2,272,258; Feb. 10.
Bags, coffee bags, and the like, Making and filling tea. W. S. Patterson. 2,272,530; Feb. 10.
Bail fabricating and attaching machine. T. Gorman, Jr. 2,272,700; Feb. 10.
Bait, Artificial. L. K. Hoover. 2,272,710; Feb. 10.
Bait spreader. C. Sponsel. 2,272,252; Feb. 10.
Ballast cleaning apparatus. F. H. Philbrick. 2,272,429; Feb. 10.
Band tying device. F. J. Herbelin. 2,272,521; Feb. 10.
Bar: *See*—
Claw bar.
Bar support and spacer. W. P. Awbrey. 2,272,761; Feb. 10.
Barrel engine. R. Chilton. 2,272,691; Feb. 10.
Base screed. W. P. Awbrey. 2,272,762; Feb. 10.
Bathing water in swimming pools, Completely sterilizing and purifying. K. Pietzsch. 2,272,223; Feb. 10.
Batteries, Charging electric. R. S. Hinds and A. Mandl. 2,272,745; Feb. 10.
Battery, Galvanic. H. F. French. 2,272,969; Feb. 10.
Beacon system, Landing. A. Alford. 2,272,997; Feb. 10.
Bearing: *See*—
Machine bearing.
Bearing and supporting structure. J. W. Teker. 2,272,757; Feb. 10.
Bearing for clockwork movements. H. Colomb. 2,272,336; Feb. 10.
Bearing for the pivots of clockwork spindles, Fixed. H. Colomb. 2,272,546; Feb. 10.
Beater. M. Carter. 2,272,901; Feb. 10.
Bed spring. L. J. Wiener. 2,272,652; Feb. 10.
Belt fastener. H. Koester. 2,272,527; Feb. 10.
Bicycle. N. Hawrylasz. 2,272,801; Feb. 10.
Blade dispensing device. N. Testi. 2,272,444; Feb. 10.
Block: *See*—
Snatch block.
Blotter device. S. Spitalnik. 2,272,955; Feb. 10.
Boat, Aeromarine. T. M. Finley. 2,272,661; Feb. 10.
Bob for fishing lines. C. W. High and E. W. Roberts, Jr. 2,272,802; Feb. 10.
Book with leaf turning guide. R. C. Werkheiser. 2,272,858; Feb. 10.
Boring or internal forming tool. W. J. Hogg. 2,272,200; Feb. 10.
Bottle filling mechanism. K. Jorgensen. 2,272,208; Feb. 10.
Bowl, Pond and fish. A. Poppe. 2,272,582; Feb. 10.
Box: *See*—
Outlet box.
Box cover and adapter, Outlet. R. Hiltz. 2,272,944; Feb. 10.
Bracket: *See*—
Garment rack bracket.
Bracket construction. N. A. Widgren. 2,272,283; Feb. 10.

Brake: *See*—
Cam-actuated brake.
Brake control mechanism. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,272,287; Feb. 10.
Brake control mechanism. W. R. Freeman. 2,272,320; Feb. 10.
Brake lever. H. S. Jandus. 2,272,174; Feb. 10.
Brake lever and brake shoe. E. J. Simanek. 2,272,647; Feb. 10.
Brake lining construction. W. C. Shriver. 2,272,532; Feb. 10.
Brake mechanism. H. C. Smith. 2,272,437; Feb. 10.
Braking system, Fluid pressure. H. C. Swift. 2,272,359; Feb. 10.
Brush. H. Cave. 2,272,598; Feb. 10.
Brush. G. L. N. Meyer. 2,272,419; Feb. 10.
Bucket, Minnow. C. G. Hubbell. 2,272,561; Feb. 10.
Bucket, Shovel. H. G. Dines. 2,272,337; Feb. 10.
Building construction, Sheet metal. P. P. Gobberdiel. 2,272,910; Feb. 10.
Burner: *See*—
Rotary burner.
Burner. R. S. Moore. 2,272,423; Feb. 10.
Burr remover. V. J. Chapman. 2,272,737; Feb. 10.
Butter method, Hydrogenated. F. H. Penn. 2,272,578; Feb. 10.
Cable: *See*—
Electric cable.
Cable connecter for junction boxes. J. N. Funk. 2,272,939; Feb. 10.
Cable lashing machine. E. St. John. 2,272,253; Feb. 10.
Cadmium coating. G. Reuter. 2,272,777; Feb. 10.
Calcium acid pyrophosphate composition and production. E. Cox, R. H. Kean, F. B. Carpenter, Jr., and W. K. Enos. 2,272,617; Feb. 10.
Cam-actuated brake. W. F. Boldt. 2,272,335; Feb. 10.
Camera free head. G. Laube and R. C. Stevens. 2,272,566–7; Feb. 10.
Can opener. J. M. Hothersall. 2,272,204; Feb. 10.
Cap: *See*—
Self-sealing cap.
Cap and package, Closure. W. P. White. 2,272,234; Feb. 10.
Car: *See*—
Refrigerator car.
Car loading and unloading apparatus. E. H. Kidder. 2,272,949; Feb. 10.
Carbon ring. C. W. Withington. 2,272,455; Feb. 10.
Carburetors, Attachment for. C. B. Seymour. 2,272,386; Feb. 10.
Card punching machine. E. J. Von Pein. 2,272,448; Feb. 10.
Carton forming machine. J. G. Vergobbi. 2,272,255; Feb. 10.
Casein-cold-process. K. Ripper. 2,272,352; Feb. 10.
Catalytic dehydrogenation of terpenes to paracymene. W. Hull. 2,272,711; Feb. 10.
Catalytic masses, Preparation of. I. H. Kinneberg and J. E. Ahlberg. 2,272,301; Feb. 10.
Cement conveyer, Dry. P. H. Kuever, Jr. 2,272,564; Feb. 10.
Centrifugal pump. L. E. Da Col. 2,272,906; Feb. 10.
Centrifugal pump. W. H. Lannert. 2,272,469; Feb. 10.
Centrifugal separator. G. M. Knudsen. 2,272,675; Feb. 10.
Ceramic article and making same. T. G. McDougal, K. Schwartzwalder, and A. H. Fessler. 2,272,346; Feb. 10.
Ceramic body. A. H. Fessler and K. Schwartzwalder. 2,272,618; Feb. 10.
Ceramic body, especially adapted for use as a spark plug insulator. A. H. Fessler and K. Schwartzwalder. 2,272,338; Feb. 10.
Ceramic substances, Manufacturing dielectrically high-grade. P. Schupp. 2,272,330; Feb. 10.
Cereals, Pretreating. H. Graumann. 2,272,663; Feb. 10.
Chain: *See*—
Cutter chain.
Chain link, Drive and conveyer. J. H. and G. J. Getz. 2,272,837; Feb. 10.
Chair: *See*—
Folding chair. Theater chair.
Chair. E. M. Johnson and D. Powell. 2,272,948; Feb. 10.
Chair construction. H. N. McLellan and N. W. Taylor. 2,272,980; Feb. 10.
Chair structure. W. M. Hanson. 2,272,298; Feb. 10.
Chair structure. G. D. Schermerhorn. 2,272,329; Feb. 10.
Channel repeater, Multiplex drop. M. B. Kerr. 2,272,412; Feb. 10.
Check pad casing. E. A. Haveles. 2,272,321; Feb. 10.
Cheese-curd machine. P. Sartori. 2,272,954; Feb. 10.
Choke for oil wells, Controlled pumping. C. M. Williams. 2,272,388; Feb. 10.
Chromium compounds of mordant triarylmethane dyestuffs and their manufacture. A. Conzetti and O. Schmid. 2,272,791; Feb. 10.
Chuck, Collet. W. N. Chittenden. 2,272,185; Feb. 10.
Cigarette. J. Jacobowitz. 2,272,206; Feb. 10.
Cigarette extinguisher, Instantaneous. V. T. Milward. 2,272,347; Feb. 10.
Cigarette, Package. W. Gordon. 2,272,838; Feb. 10.
Circuit: *See*—
Electric control circuit. Vacuum tube circuit.
Electric circuit.
Circuit breaker, Air blast. L. J. Linde. 2,272,214; Feb. 10.
Circuit breaker, Gas blast electric. W. K. Rankin 2,272,224; Feb. 10.
Circuit controller. E. H. Ayers. 2,272,763; Feb. 10.
Circuit for railways, Coded track. M. Hormats. 2,272,560; Feb. 10.
Circuit for television receivers, Detector. B. Salzberg. 2,272,385; Feb. 10.
Circuit interrupter. L. R. Ludwig, H. L. Rawlins, and B. P. Baker. 2,272,380; Feb. 10.
Circuit interrupting device. L. R. Ludwig, J. H. Frakes, and S. T. Schofield. 2,272,717; Feb. 10.
Circuits, Electric. P. Foy. 2,272,696; Feb. 10.
Clamp: *See*—
Electric fuse clamp. Wedge-up clamp.
Vulcanizer clamp. Weld patch clamp.
Clamp connector. S. P. Becker. 2,272,630; Feb. 10.
Clamping device. J. Conohan. 2,272,933; Feb. 10.
Clasp, Safety. O. J. Kehr. 2,272,674; Feb. 10.
Claw bar. B. J. Barker. 2,272,362; Feb. 10.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Cleaning machine. J. W. Chamberlin. 2,272,510; Feb. 10.
Clearway for clogged ducts. R. F. Therrien. 2,272,387; Feb. 10.
Cleat, Luggage carrier bottom. J. Ritter, Jr. 2,272,584; Feb. 10.
Clutch: *See*—
Electromagnetic clutch. One-way clutch.
Coating for fibrous glass strands. A. L. Simison. 2,272,588; Feb. 10.
Coffee maker. E. M. Miller. 2,272,471; Feb. 10.
Color reproduction. A. C. Hardy. 2,272,638; Feb. 10.
Combination lock. A. Sanowskis. 2,272,354; Feb. 10.
Communication system. C. R. Doty. 2,272,367; Feb. 10.
Composition and method for bleaching milling products. F. H. Penn. 2,272,577; Feb. 10.
Composition for use in raised printing and method of preparation. A. D. Harnett. 2,272,706; Feb. 10.
Composition of matter and making. E. D. Sackett. 2,272,482; Feb. 10.
Compounds of the diaryl series, Producing. W. Zerweck, K. Schütz, and H. Ritter. 2,272,498; Feb. 10.
Condensation products, Making sulphur-containing organic. W. Frost, G. Källner, and O. Kölbl. 2,272,265; Feb. 10.
Condenser pressure control. A. F. Hoesel. 2,272,973; Feb. 10.
Conduit coupling. G. P. Bosomworth. 2,272,890; Feb. 10.
Connecting rod. H. C. Hill. 2,272,172; Feb. 10.
Connector: *See*—
Clamp connector. Electrical connector.
Electric connector. Resilient connector.
Contact device. R. Holm, H. Wüsteney, and F. Hennig. 2,272,315; Feb. 10.
Contact mechanism. V. J. Chapman. 2,272,738; Feb. 10.
Contacting device for high pressure absorption. G. S Bays. 2,272,503; Feb. 10.
Container: *See*—
Antitheft container.
Container. S. J. Ferrante. 2,272,938; Feb. 10.
Container. J. M. Hothersall. 2,272,203; Feb. 10.
Container closure. W. I. Ballentine and C. C. Coghlan. 2,272,260; Feb. 10.
Container for mounting on display cards. E. I. Runner. 2,272,623; Feb. 10.
Container top. R. C. Cobel. 2,272,867; Feb. 10.
Control apparatus. R. L. Wilson. 2,272,872; Feb. 10.
Control apparatus for radio receivers. A. W. Plensler. 2,272,922; Feb. 10.
Control mechanism, Automatic. A. E. Baak. 2,272,864; Feb. 10.
Control mechanism for vehicles, Speed. H. E. Rooney. 2,272,953; Feb. 10.
Control of aircraft surfaces. J. W. Overbeke. 2,272,725; Feb. 10.
Control of fuel injection engines. A. F. Sanders. 2,272,726; Feb. 10.
Control stick for airplanes, Collapsible. J. E. Palmer. 2,272,817; Feb. 10.
Control system. C. D. Geer. 2,272,976; Feb. 10.
Control system. C. T. Jacobs. 2,272,975; Feb. 10.
Control system. C. W. Slocum and C. T. Jacobs. 2,272,977; Feb. 10.
Control system, Approach. H. G. Blosser. 2,272,789; Feb. 10.
Control system, Electric. T. R. Brown. 2,272,736; Feb. 10.
Control system for limiting amplifiers, Carrier operated. N. Bishop. 2,272,788; Feb. 10.
Conveyer, Bake oven. R. P. Bolling. 2,272,291; Feb. 10.
Conveyer for elevating and transporting duty. W. J. Miller. 2,272,421; Feb. 10.
Conveyer for fruit and vegetables. W. E. Meneray and J. G. Tew. 2,272,677; Feb. 10.

Copper and its alloys, Coating. H. J. Lodeesen. 2,272,216; Feb. 10.
Cord stanchion for electric sadirons. U. K. Johannsen and L. Illmer. 2,272,670; Feb. 10.
Cosmetic applicator. C. A. Mureau. 2,272,641; Feb. 10.
Cooking vessel, Copper coated. J. M. Kennedy, A. P. Knight, and H. J. Lee. 2,272,609; Feb. 10.
Cooling arrangement for aircraft engines. I. Starke. 2,272,626; Feb. 10.
Counterbalanced lid support. H. E. Van Voorhees. 2,272,230; Feb. 10.
Counting device. F. A. Poole. 2,272,478; Feb. 10.
Coupling: *See*—
Conduit coupling.
Crushing and grinding machine. J. E. Dick. 2,272,908; Feb. 10.
Cup and blank therefor, Paper. R. G. Amberg. 2,272,499; Feb. 10.
Cup, Conical. M. Merta. 2,272,308; Feb. 10.
Curtain. T. F. Byron. 2,272,656; Feb. 10.
Cushion structure. H. E. Williams. 2,272,493; Feb. 10.
Cushions, Making pneumatic. C. L. Beal. 2,272,289; Feb. 10.
Cutoff device, Automatic. P. F. Lockett, W. C. Jones, and H. G. Bailey. 2,272,215; Feb. 10.
Cutter: *See*—
Vine cutter.
Cutter chain. W. W. Dartnell. 2,272,692; Feb. 10.
Cutter mounting for well reamers and the like. J. Grant and J. J. Santiago. 2,272,405; Feb. 10.
Cutting machine, Kiln ring. W. M. McCoy. 2,272,219; Feb. 10.
Cutting machine. O. P. Haegele. 2,272,702; Feb. 10.
Damper for engines, Dynamic. C. C. De Pew. 2,272,189; Feb. 10.
Decorated composite fabric. C. J. Davies. 2,272,317; Feb. 10.
Decorating mechanism, Surface. E. W. Hamant. 2,272,461; Feb. 10.
Defrosting means. H. J. Krackowizer. 2,272,302; Feb. 10.
Degreasing and grit removal, Combined. P. B. Streander. 2,272,441; Feb. 10.
Degree of pressure in pneumatic tires, Indicating the. C. G. Stone and H. F. Herbig. 2,272,781; Feb. 10.
Dehairing machine. S. J. Marquardt. 2,272,918; Feb. 10.
Dental impression material. S. E. Noyes. 2,272,723; Feb. 10.
Desk for use with armchairs, Folding. E. R. Gay. 2,272,743; Feb. 10.
Device for generating a beam of ions. H. I. Kallmann and E. Kuhn. 2,272,374; Feb. 10.
Device for measuring electrical resistance. W. J. Delmhorst. 2,272,239; Feb. 10.
Device for venting shingled roofs. H. W. Hudson. 2,272,804; Feb. 10.
Dial governor. C. H. Franks. 2,272,168; Feb. 10.
Diamond drill. H. S. Hoffar. 2,272,620; Feb. 10.
Die casting machine. A. R. MacLagen and E. C. Neuhaus. 2,272,718; Feb. 10.
Discharge device and electrode assembly for use therein, Gaseous. C. P. Stocker. 2,272,486; Feb. 10.
Dispenser: *See*—
Milk dispenser. Tape dispenser.
Dispensing device. R. L. Horstman. 2,272,465; Feb. 10.
Dispensing device for containers. E. R. Hacmac. 2,272,798; Feb. 10.
Dispensing machine. I. H. Wilsey. 2,272,859; Feb. 10.
Display, Animated luminous. F. Hotchner. 2,272,202; Feb. 10.
Display, Animated pictorial. F. Hotchner. 2,272,947; Feb. 10.
Display device, Animated. F. Hotchner. 2,272,946; Feb. 10.
Display with an effect of motion, Luminous. F. Hotchner. 2,272,945; Feb. 10.
Divider in drilling drums. H. W. Thornburg and R. S. Hoar. 2,272,228; Feb. 10.
Door guard, Draft. O. W. Holttum. 2,272,667; Feb. 10.
Door latch strike plate. H. E. Fendring. 2,272,241; Feb. 10.
Door lock. G. D. Cloutier and F. A. Cooley. 2,272,167; Feb. 10.
Door opening and door check releasing device. J. H. Vander Veer, P. R. Forman, and R. D. Conklin. 2,272,732; Feb. 10.
Douche apparatus. T. L. Marvin. 2,272,381; Feb. 10.
Draft gear. R. C. Pierce. 2,272,644; Feb. 10.
Draft regulating mechanism. H. Lange and F. G. Suchland. 2,272,468; Feb. 10.
Drafting apparatus for textile rovings. E. A. Bentley. 2,272,787; Feb. 10.
Drawer, Filing. R. R. West. 2,272,537; Feb. 10.
Drawknife. T. Jaasund and M. Hetland. 2,272,805; Feb. 10.
Drill: *See*—
Diamond drill.
Drilling apparatus. E. Geraghty. 2,272,835; Feb. 10.
Drive mechanism, Impulse. F. G. Majer. 2,272,305; Feb. 10.
Driving and stopping mechanism. J. Fossa. 2,272,553; Feb. 10.
Driving device. R. O. Allen. 2,272,760; Feb. 10.
Driving mechanism. S. E. Schroeder. 2,272,853; Feb. 10.
Drying apparatus. N. H. Poor, 2nd, and S. G. Judge. 2,272,383; Feb. 10.
Dyeing machine for yarns, ribbons, and other materials, Pressure. J. Verduin. 2,272,591; Feb. 10.
Dynamoelectric machine. A. C. Lane and B. Adkins. 2,272,749; Feb. 10.
Educational device. R. B. Johnson. 2,272,410–11; Feb. 10.
Electric cable. T. R. Scott and J. K. Webb. 2,272,615; Feb. 10.
Electric connector. C. G. Wirth. 2,272,538; Feb. 10.
Electric control circuit. J. L. Stratton. 2,272,754; Feb. 10.
Electric discharge apparatus, Gaseous. M. A. Edwards. 2,272,770; Feb. 10.
Electric discharge lamp. A. F. Pieper. 2,272,274; Feb. 10.
Electric fuse clamp. H. J. Hammerly. 2,272,665; Feb. 10.
Electric high pressure discharge lamp. J. Kern and H. Krefft. 2,272,467; Feb. 10.
Electric incandescent lamp. H. H. Helmbright. 2,272,520; Feb. 10.
Electric lamp. F. Courdil. 2,272,513; Feb. 10.
Electric lamp. G. E. Inman. 2,272,523; Feb. 10.
Electric switch. E. A. Williams, Jr. 2,272,759; Feb. 10.
Electric wave source and amplifier. R. A. Heising. 2,272,605; Feb. 10.
Electric wave system. L. K. Swart. 2,272,731; Feb. 10.
Electrical by-pass switch. W. A. Heinrich. 2,272,463; Feb. 10.
Electrical circuit, Slow-operate. B. G. Bjornson. 2,272,998; Feb. 10.
Electrical connector. J. M. Rogie. 2,272,432; Feb. 10.
Electrical frequency changer. J. M. Manley. 2,272,246; Feb. 10.
Electrical oscillation generator. J. F. Ramsay. 2,272,851; Feb. 10.
Electrical protective device. C. A. Fox. 2,272,370; Feb. 10.
Electrical regulating apparatus. C. M. Summers. 2,272,755; Feb. 10.
Electrode manufacture. C. Herzog. 2,272,869; Feb. 10.
Electromagnetic clutch. A. Maier. 2,272,570; Feb. 10.
Electron beam tube. H. M. Wagner. 2,272,232; Feb. 10.
Electron discharge device. J. L. H. Jonker. 2,272,844; Feb. 10.
Electron multiplier. W. Henneberg. 2,272,841; Feb. 10.
Electron tube mounting. F. Herriger. 2,272,606; Feb. 10.
Embalming composition. H. I. Jones. 2,272,525; Feb. 10.
Emergency repair pipe. J. H. Mullen. 2,272,222; Feb. 10.
Energy projector, Radiant. E. P. Creehan. 2,272,186; Feb. 10.
Engine: *See*—
Barrel engine. Steam engine.
Internal combustion engine.
Envelope opening machine. L. W. Lawrence. 2,272,323; Feb. 10.
Equalizing device. S. J. Moran. 2,272,424; Feb. 10.
Escape device for submerged vessels, Self-contained. C. W. Reed, Jr. 2,272,952; Feb. 10.
Ester or the like, Process and apparatus for the production of an extremely thin film of cellulose. A. Fischl. 2,272,662; Feb. 10.
Esters and preparing same, Partial phosphoric. H. Hönel. 2,272,668; Feb. 10.
Esters, Terpene. J. N. Borglin. 2,272,400; Feb. 10.
Ethanol production, Increasing fermentative efficiency in. W. L. Owen. 2,272,982; Feb. 10.
Excavator. E. W. Austin. 2,272,540; Feb. 10.
Extraction of substances as well as mixtures of substances, process for. R. Morf and G. Cornaz. 2,272,951; Feb. 10.
Eyeshade. O. Biodjer. 2,272,542; Feb. 10.
Fabric: *See*—
Decorated composite fabric.
Fair-leader. F. P. Lawler. 2,272,917; Feb. 10.
Fan belts, Making. W. E. Haggan. 2,272,883; Feb. 10.
Fastener: *See*—
Belt fastener.
Fastener-applying implement. A. H. Maynard. 2,272,773; Feb. 10.
Faucet. C. Polcari. 2,272,351; Feb. 10.
Feed mechanism for automatic metalmaking machines, Automatic stock bar. E. S. Mariotte. 2,272,720; Feb. 10.
Feeder: *See*—
Sheet feeder.
Fender shield construction and assembly. G. W. Schatzman 2,272,680; Feb. 10.
Fillers for rugs, Making. R. Paulus. 2,272,247; Feb. 10.
Filling and venting device. L. E. Olcott. 2,272,898; Feb. 10.

Filter: *See*—
Wave band filter.
Filtering apparatus. J. O. Reed. 2,272,583; Feb. 10.
Finder for screw driving tools. J. Schindel. 2,272,279; Feb. 10.
Fire escape. J. F. Carter. 2,272,932; Feb. 10.
Fish box for boats. W. N. Luhmann. 2,272,569; Feb. 10.
Fishing reel. W. Drantz. 2,272,834; Feb. 10.
Fishing tool. A. D. Larson. 2,272,529; Feb. 10.
Fitting. T. E. McDowell and W. A. Wulle. 2,272,178; Feb. 10.
Fitting means, Discharge and connecting. W. C. Groeniger. 2,272,197; Feb. 10.
Fixture, Fastener holding. F. K. Ames. 2,272,259; Feb. 10.
Flap control. H. Gropler. 2,272,664; Feb. 10.
Flash lamp. M. Sarbey. 2,272,779; Feb. 10.
Flashlight and battery unit therefor. C. P. Deibel. 2,272,907; Feb. 10.
Flask corner. J. F. Hines. 2,272,709; Feb. 10.
Flask wall. J. F. Hines. 2,272,708; Feb. 10.
Flooring, Slab. T. Barbato. 2,272,654; Feb. 10.
Flour improving composition and method. F. H. Penn. 2,272,576; Feb. 10.
Fluid charging head. W. B. Threm. 2,272,445; Feb. 10.
Fluid control apparatus. W. J. Jacobsson and S. R. Oldham. 2,272,243; Feb. 10.
Fluid in conduits, Stopping flow of. I. H. Witt. 2,272,734; Feb. 10.
Fluid meter. A. J. Granberg and T. A. McCoy. 2,272,170; Feb. 10.
Fluid mixer and pump, Combined. H. E. Messmore. 2,272,573; Feb. 10.
Fluid pressure booster. H. C. Swift. 2,272,360; Feb. 10.
Fluid pressure producing device. H. C. Bowen. 2,272,316; Feb. 10.
Fluid regulating and proportioning device. V. E. McCoy. 2,272,721; Feb. 10.
Fluid seal for direct insertion between relatively moving machine parts. E. von Veh. 2,272,650; Feb. 10.
Folder, Advertising. A. L. Firestone. 2,272,404; Feb. 10.
Folding chair. R. K. Merrill. 2,272,307; Feb. 10.
Food product and method. J. C. and J. H. Forkner. 2,272,989; Feb. 10.
Form issuing machine. E. G. Streckfuss. 2,272,440; Feb. 10.
Form, Multiple copy. R. J. Liebich. 2,272,325; Feb. 10.
Fractionation. D. J. Bergman. 2,272,261; Feb. 10.
Frequency modulation measurement. H. M. Crosby. 2,272,768; Feb. 10.
Frequency modulation receiver. J. G. Chaffee. 2,272,401; Feb. 10.
Fruit product and method. J. C. and J. H. Forkner. 2,272,990; Feb. 10.
Fuel pump. E. A. Johnston. 2,272,300; Feb. 10.
Furane derivatives of the pyrazolone series and making the same. M. Dohrn and K. Hamann. 2,272,739; Feb. 10.
Furnace: *See*—
Glass melting furnace.
Furnace seal. E. W. Dany. 2,272,966; Feb. 10.
Furniture. H. C. Bullard. 2,272,507; Feb. 10.
Furniture glide, Adjustable. R. E. Miller. 2,272,848; Feb. 10.
Game practice device. J. D. Beeson and H. J. Buck. 2,272,765; Feb. 10.
Garment hanger. H. C. Ruen. 2,272,587; Feb. 10.
Garment rack bracket. A. Trask. 2,272,446; Feb. 10.
Gas repressuring of oil fields. H. T. Kennedy. 2,272,673; Feb. 10.
Gauge for postage stamps, Perforation. M. F. Desmond. 2,272,967; Feb. 10.
Gear: *See*—
Airplane landing gear. Draft gear.
Gear pump. C. W. Mott. 2,272,309; Feb. 10.
Gear shift and clutch control apparatus. K. Maybach. 2,272,571; Feb. 10.
Generator: *See*—
Electrical oscillation generator.
Generator for ultraviolet energy. H. Hebo. 2,272,992; Feb. 10.
Geochemical prospecting. E. E. Rosaire. 2,272,645; Feb. 10.
Glass block apparatus, Frothed. H. R. Black. 2,272,930; Feb. 10.
Glass cleaning and polishing machine. E. P. Searing. 2,272,729; Feb. 10.
Glass melting furnace. L. S. Longenecker. 2,272,217; Feb. 10.
Globe catcher. O. G. Hale and F. L. Keller. 2,272,911; Feb. 10.
Glove, Golfer's. H. L. Soderquist. 2,272,333; Feb. 10.
Governor. A. B. Ransch. 2,272,822; Feb. 10.
Governor for fluid flow. S. O. Harlan. 2,272,705; Feb. 10.
Grading machine. J. W. Johnston. 2,272,671; Feb. 10.
Grease trap. J. Heinkel. 2,272,912; Feb. 10.
Grinding wheel. S. S. Kistler. 2,272,873; Feb. 10.
Guard for linotype machines. L. E. Glazer. 2,272,941; Feb. 10.
Gyroscopic apparatus. B. Weinkauff. 2,272,986; Feb. 10.
Hair curler. P. J. Goodwin. 2,272,942; Feb. 10.
Hairpin. H. P. Johnson. 2,272,409; Feb. 10.
Hair waving device. R. G. Leland. 2,272,845; Feb. 10.
Handbag and key holder, Combined. N. and M. Sloane. 2,272,854; Feb. 10.
Handbags or the like, Making. J. N. Lowe. 2,272,716; Feb. 10.
Hanger: *See*—
Garment hanger.
Harness for pipe joints. A. J. Deacon. 2,272,515; Feb. 10.
Hardness testing machine. R. B. Lewis. 2,272,993; Feb. 10.
Headrail and valance bracket. W. J. Stuber and J. J. Di Ienno. 2,272,956; Feb. 10.
Heat and air conditioning device, Trailer. C. R. Sims. 2,272,356; Feb. 10.
Heat production control arrangement. F. J. Weyher. 2,272,492; Feb. 10.
Heater for golf balls. W. D. Hampton. 2,272,340; Feb. 10.
Heating apparatus, Regulating. W. A. Danielson. 2,272,188; Feb. 10.
Heating element, Electrical. E. L. Wiegand. 2,272,282; Feb. 10.
Heating plate, Electric. E. Challet. 2,272,658; Feb. 10.
Heating system. B. S. Pedersen. 2,272,428; Feb. 10.
Heating system, Absorption. W. L. McGrath. 2,272,871; Feb. 10.
Heel tap. H. N. Pearson. 2,272,248; Feb. 10.
Hemadynamometer. H. Gerdien. 2,272,836; Feb. 10.
High frequency system, Ultra. A. G. Clavier and E. Rostas. 2,272,599; Feb. 10.
Highway sign. E. A. Kiecker. 2,272,322; Feb. 10.
Hitch, Implement. F. O'Keane. 2,272,724; Feb. 10.
Holder: *See*—
Handbag and key holder. Tie holder.
Nursing bottle holder.
Holder for fluorescent lamps. E. R. Kulka. 2,272,528; Feb. 10.
Holder for lipsticks and the like, Adjustable. H. F. Reichenbach. 2,272,924; Feb. 10.
Honeycomb uncapping machine. J. W. McFayden. 2,272,808; Feb. 10.
Hospital table. W. C. and W. R. Poetsch. 2,272,819; Feb. 10.
Hydraulic pump. J. B. Hawley, Jr. 2,272,771; Feb. 10.
Hydraulically actuated member and speed control therefor. H. F. Vickers. 2,272,684; Feb. 10.
Hydrocarbons, Beneficiation of low volatile. E. C. Hughes. 2,272,205; Feb. 10.
Hydrocarbons, Manufacture of polycyclic. A. V. Grosse and W. J. Mattox. 2,272,266; Feb. 10.
Hydrocarbons, Thermal treatment of. W. O. Keeling. 2,272,209; Feb. 10.
Hydrocarbons, Treatment of. P. Mather. 2,272,306; Feb. 10.
Hydroxy naphthalene compounds, Preparing. H. G. Mow. 2,272,272; Feb. 10.
Identifying means for textiles. J. L. Tucker. 2,272,229; Feb. 10.
Ignition means. W. J. Spengler, J. R. Frei, and G. H. Dingman. 2,272,625; Feb. 10.
Ignition point checking device. R. C. Bible. 2,272,902; Feb. 10.
Illuminated sign, Interchangeable. C. J. Wamser. 2,272,733; Feb. 10.
Indicating device. E. Frischknecht. 2,272,242; Feb. 10.
Indicating device, Voltage. T. B. Perkins. 2,272,849; Feb. 10.
Indicating instruments, Illuminating. M. Klein and W. E. Pfeffer. 2,272,806; Feb. 10.
Indicator: *See*—
Tong handle torque indicator. Tuning indicator.
Induction meter. I. F. Kinnard. 2,272,748; Feb. 10
Injection molding cartridge, Plastic. G. W. Wacker 2,272,449; Feb. 10.
Inner tubes, Making. H. D. Stevens. 2,272,895; Feb. 10.
Insulating material, Electric. F. H. Riddle. 2,272,480; Feb. 10.
Insulation demonstrator. C. D. Kuck. 2,272,245; Feb. 10.
Insulator mounting for transmission lines. L. A. Battermann. 2,272,288; Feb. 10.
Internal combustion engine. W. Harper, Jr. 2,272,171; Feb. 10.
Ironer pad. J. A. Castricone. 2,272,238; Feb. 10.
Jack: *See*—
Automobile spring jack.
Jacket, Foundry. J. F. Hines. 2,272,707; Feb. 10.
Joint: *See*—
Pipe joint.
Journal box structure. J. G. Blunt. 2,272,865; Feb. 10.
Labeling machine. A. Poggio. 2,272,350; Feb. 10.
Laminated materials. D. Finlayson. 2,272,294; Feb. 10.

Lamp: *See*—
Electric incandescent lamp.
Electric discharge lamp.
Electric high pressure discharge lamp.
Electric lamp.
Flash lamp.
Lamp manufacturing apparatus. A. E. Drobish. 2,272,694; Feb. 10.
Lantern, Electric hand. J. T. Helling. 2,272,744; Feb. 10.
Last for shoemaking. A. Sbicca. 2,272,823; Feb. 10.
Laundry machine. W. A. Frantz and J. J. McCabe. 2,272,517; Feb. 10.
Lavatories or the like, Making. H. G. Coordes. 2,272,511; Feb. 10.
Leather, Finishing of. A. F. R. Cotton. 2,272,935; Feb. 10.
Lens and optical system, Collimating. P. F. Everitt. 2,272,604; Feb. 10.
Lever for manual operation. E. F. Riesing. 2,272,897; Feb. 10.
Lid construction. G. M. Kriegbaum and D. M. Morris. 2,272,303; Feb. 10.
Lighting fixture, Electric. A. P. Leinen. 2,272,176; Feb. 10.
Lighting fixture, Electric. A. F. Pieper. 2,272,275; Feb. 10.
Link, Fusible. P. G. Vonich. 2,272,857; Feb. 10.
Liquids, Freezing. E. E. Lindsey. 2,272,715; Feb. 10.
Loading apparatus. R. S. Bigelow. 2,272,504; Feb. 10.
Loading scoop, Portable. V. C. Smith. 2,272,648; Feb. 10.
Lock: *See*—
Combination lock.
Door lock.
Safety secret lock.
Lock for kitchen closets. E. Anderson. 2,272,825; Feb. 10.
Lock screw. O. S. Field. 2,272,552; Feb. 10.
Locomotive, Mine. C. E. Stoltz. 2,272,280; Feb. 10.
Loom. L. J. Zerbee. 2,272,456; Feb. 10.
Lubricant. C. F. Prutton. 2,272,923; Feb. 10.
Lubricating attachment. H. L. Dennis. 2,272,636; Feb. 10.
Lubricator: *See*—
Rail lubricator.
Railway journal box lubricator.
Wheel flange and rail lubricator.
Machine bearing. S. Gilbert. 2,272,554; Feb. 10.
Machine for applying coatings to fishing lines. L. J. Madden. 2,272,177; Feb. 10.
Machine for applying strips to wrappers. J. A. Heckman. 2,272,407; Feb. 10.
Machine for die casting thermoplastics. L. H. Morin and D. Marinsky. 2,272,220; Feb. 10.
Machine for embossing and slotting blanks. W. R. Chesley. 2,272,832; Feb. 10.
Machine for uniting shoe parts. A. L. Jalbert. 2,272,207; Feb. 10.
Magnetic separator. C. A. Maynard. 2,272,719; Feb. 10.
Magnetizing arrangement. A. J. Corson and R. M. Rowell. 2,272,766; Feb. 10.
Manifold for explosion engines, compressors, pumps, and the like, Intake. F. P. Mery. 2,272,418; Feb. 10.
Manipulator for rails or the like. S. W. Bauer. 2,272,501–2; Feb. 10.
Marker, Thermoelectric. D. H. Schweyer. 2,272,780; Feb. 10.
Mask, Safety. F. W. Van Wormer. 2,272,959; Feb. 10.
Measuring apparatus, Electrical. C. M. Hathaway. 2,272,772; Feb. 10.
Measuring instrument. L. S. Willimms. 2,272,987–8; Feb. 10.
Measuring instrument of the potentiometer type. E. A. Keeler. 2,272,914; Feb. 10.
Measuring valve. J. W. Carlson. 2,272,184; Feb. 10.
Meat and fowl turner and lifter. O. P. Williams. 2,272,314; Feb. 10.
Mechanism for cutting bodies into sections. E. W. Allardt. 2,272,179; Feb. 10.
Mechanism for forming capsules. R. P. Scherer. 2,272,328; Feb. 10.
Mechanism for power transmission. J. Cotal. 2,272,934; Feb 10.
Metal fabric and article formed therefrom. J. Piliero. 2,272,276; Feb. 10.
Metallic pigment. F. C. Arthur. 2,272,629; Feb. 10.
Meter: *See*—
Fluid meter.
Induction meter.
Parking meter.
Meter for cutting pipes, Angle. L. W. Wolfe. 2,272,860; Feb. 10.
Method and apparatus for filtering. H. F. Jordan. 2,272,175; Feb. 10.
Method and apparatus for inserting coils on armature cores. J. F. Cullin. 2,272,263; Feb. 10.
Method and apparatus for machining materials. M. Mallory. 2,272,271; Feb. 10.
Method and apparatus for making corrugated tubes. W. G. Harding. 2,272,704; Feb. 10.
Method and apparatus for signaling. H. Hoover, Jr. 2,272,201; Feb. 10.
Method of and apparatus for building sea walls. J. B. Brockhurst. 2,272,236; Feb. 10.
Method of and apparatus for lubricating sheet metal. J. Duffy. 2,272,368; Feb. 10.
Method of and apparatus for producing bags. G. A. Robinson. 2,272,251; Feb. 10.
Method of treating solutions. G. A. Petroe. 2,272,818; Feb. 10.
Microlapping machine. H. S. Indge. 2,272,974; Feb. 10.
Microscope, Electronic. E. Ruska. 2,272,353; Feb. 10.
Microscope specimen chamber, Electron. J. Hillier. 2,272,843; Feb. 10.
Milk dispenser. W. Tumminga. 2,272,442; Feb. 10.
Milk dispensing apparatus. W. Tumminga. 2,272,443; Feb. 10.
Mineral separating apparatus. J. B. Coureng. 2,272,365; Feb. 10.
Mixing valve. G. C. Fields. 2,272,403; Feb. 10.
Modulating system, Control. H. R. Crago. 2,272,769; Feb. 10.
Mold: *See*—
Wall mold.
Mold, Wall. D. W. Daley. 2,272,659; Feb. 10.
Molding composition and molded product. E. F. Fiedler. 2,272,742; Feb. 10.
Molding machine. L. A. Demkler and K. O. Hostetter. 2,272,868; Feb. 10.
Molding machine. E. F. Oyster. 2,272,816; Feb. 10.
Motor: *See*—
Single phase motor.
Motor mounting for vacuum cleaners. L. C. Smith. 2,272,985; Feb. 10.
Mounting: *See*—
Electron tube mounting.
Ophthalmic mounting.
Pressure gauge mounting.
Vibration isolating mounting.
Mounting and operating means for variable inductance devices. W. A. Schaper. 2,272,433; Feb. 10.
Mounting for electrical devices, Contact. D. H. Loukota, R. C. Durant, and E. J. Neiling. 2,272,379; Feb. 10.
Mounting for switches and the like. H. Catron and F. A. Dotterer. 2,272,688; Feb. 10.
Mounting for wheels, Cushioned. A. S. Krotz. 2,272,270; Feb. 10.
Navigation system and apparatus. R. A. Higonnet. 2,272,607.
Negatives, Facilitating the focusing of. L. E. Stone. 2,272,487; Feb. 10.
Nibbling machine. H. G. Robinson. 2,272,751; Feb. 10.
Nitrogenous condensation products and producing same. H. Ulrich. 2,272,489; Feb. 10.
Nonskid rear system for automobiles. V. P. McVoy. 2,272,416; Feb. 10.
Nozzle, Adjustable hydrotherapy. W. Rocke. 2,272,585; Feb. 10.
Nursing bottle holder. M. E. Elzeer. 2,272,319; Feb. 10.
Odometer. P. Paschen, G. Mohr, and H. Ebert. 2,272,326; Feb. 10.
Oil, Core. M. L. Sheely. 2,272,483; Feb. 10.
Oil, Refining of. R. O. Bender. 2,272,594–5–6; Feb. 10.
Oiling tool. J. W. Connors. 2,272,364; Feb. 10.
Oils and fats to check the development of rancidity, Refining. M. R. Coe and M. R. Coe, Jr. 2,272,964; Feb. 10.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,272,285; Feb. 10.
Oils, Conversion of hydrocarbon. C. G. Gerhold. 2,272,297; Feb. 10.
Oils, Selectively refining petroleum. A. W. Hixon and R. Miller. 2,272,372; Feb. 10.
Oils, Stabilized high film strength lubricating. B. H. Lincoln and W. L. Steiner. 2,272,470; Feb. 10.
One-way clutch. A. J. Granberg. 2,272,169; Feb. 10.
Ophthalmic mounting. H. H. Styll. 2,272,782; Feb. 10.
Orientator, Full automatic. E. W. Carroll. 2,272,690; Feb. 10.
Ornament clasp. E. D. Davis. 2,272,514; Feb. 10.
Oscillatory means, Superfrequency. H. W. Kohler. 2,272,211; Feb. 10.
Outlet box. E. H. Lindstrom. 2,272,846; Feb. 10.
Packing. T. A. Bowers. 2,272,687; Feb. 10.
Packing, Plunger. R. A. Yohpe. 2,272,862; Feb. 10.
Packing stand. G. C. Paxton. 2,272,427; Feb. 10.
Pad: *See*—
Ironer pad.
Protective pad.
Panel, Hollow. J. F. Thomas. 2,272,227; Feb. 10.
Panty, Sanitary temporary. J. and H. Brody. 2,272,830; Feb. 10.
Paper and mechanism therefor, Winding. G. A. Gerard. 2,272,940; Feb. 10.
Paper fastening machine. N. S. Noll. 2,272,473; Feb. 10.
Parking meter. W. C. Burton and H. J. Brandenburger. 2,272,904; Feb. 10.
Partition. J. A. Bohnsack. 2,272,829; Feb. 10.
Patch for wire cloth or screens, Self-attaching. S. R. Gittens. 2,272,196; Feb. 10.
Pedestal for seats, Shock absorbing. A. M. Kimbro. 2,272,344; Feb. 10.
Pencil, Mechanical. L. A. Kelley. 2,272,915; Feb. 10.
Phonograph. M. J. Di Toro. 2,272,264; Feb. 10.
Phonograph, Multisection. R. I. Wilcox. 2,272,453; Feb. 10.
Phosphate rock, Treating. J. Hagood. 2,272,799; Feb. 10.

Phosphatidic compound. B. H. Thurman. 2,272,616; Feb. 10.
Photographic images, Coloring. A. M. Gundelfinger. 2,272,556; Feb. 10.
Photographic images, Toning. A. M. Gundelfinger and L. S. Trimble. 2,272,557; Feb. 10.
Picture frame or the like. H. A. Prew. 2,272,479; Feb. 10.
Piezoelectric crystal element. W. P. Mason. 2,272,994; Feb. 10.
Pins and other similar articles of manufacture, The manufacture of dredge bucket. A. R. Nettenstrom. 2,272,425; Feb. 10.
Pipe: *See*—
Emergency repair pipe.
Pipe attachment. N. P. Ney. 2,272,472; Feb. 10.
Pipe joint. J. E. Frances. 2,272,194; Feb. 10.
Pipe joint. W. B. Neal. 2,272,812; Feb. 10.
Pipe wiper, Drill. J. C. Ballagh. 2,272,395; Feb. 10.
Piston ring. S. Q. Shannon. 2,272,531; Feb. 10.
Piston ring and expander. T. A. Bowers. 2,272,631; Feb. 10.
Piston ring construction. T. A. Bowers. 2,272,632; Feb. 10.
Piston seal. C. Sauzedde. 2,272,327; Feb. 10.
Pitter, A. B. McLauchlan. 2,272,415; Feb. 10.
Planter guide. W. McEvoy. 2,272,870; Feb. 10
Planting device. W. E. Dean. 2,272,292; Feb. 10.
Plasterboard manufacturing machine. O. P. Haegle. 2,272,703; Feb. 10.
Plasticizers, Reclaiming. W. E. Fisher and A. G. Bright. 2,272,193; Feb. 10.
Plastics, Molding of organic. M. L. Macht. 2,272,847; Feb. 10.
Plug: *See*—
Spark plug.
Pneumatic tube valve. C. C. Creamer. 2,272,548; Feb. 10.
Portable nibbling tool. F. P. Forss. 2,272,295; Feb. 10.
Portfolio. C. Feldmann. 2,272,551; Feb. 10.
Positioning device. J. E. Barth. 2,272,929; Feb. 10.
Pottery topping machine. W. J. Miller and L. P. Reese. 2,272,422; Feb. 10.
Pouring attachment for containers. R. E. Deschner. 2,272,549; Feb. 10.
Power transmission means. C. B. Nelson. 2,272,981; Feb. 10.
Power transmitting system. S. C. Winger and L. K. Loehr. 2,272,495; Feb. 10.
Pregnane series and making same, Derivative of the nuclear saturated and unsaturated. K. Miescher and A. Wettstein. 2,272,809; Feb. 10.
Press: *See*—
Vulcanizing press.
Pressure gauge mounting. R. A. Yohpe. 2,272,861; Feb. 10.
Printing mechanism. I. Gurwick. 2,272,406; Feb. 10.
Printing plate, Flexible. H. Swan. 2,272,254; Feb. 10.
Printing press and the like. L. Q. Presby. 2,272,820; Feb. 10.
Program distribution system, Selective. R. C. Curtis. 2,272,999; Feb. 10.
Protective device. C. H. Dockson. 2,272,833; Feb. 10.
Protective pad. L. H. Zimmerman. 2,272,884; Feb. 10.
Protective system. W. M. Hanna. 2,272,991; Feb. 10.
Protector: *See*—
Tube protector.
Protractor. L. R. Wagner and K. A. Olsen. 2,272,491; Feb. 10.
Pulse regenerator. K. D. Swartzel, Jr. 2,272,590; Feb. 10.
Pump: *See*—
Centrifugal pump.
Fuel pump.
Gear pump.
Hydraulic pump.
Rotary pump.
Pump. C. E. Fraser and E. C. Hulsmann. 2,272,518; Feb. 10.
Pump. G. T. Pfleger. 2,272,477; Feb. 10.
Pump. S. Squiller. 2,272,926; Feb. 10.
Radio control, Automatic. C. J. Chalupowski. 2,272,545; Feb. 10.
Radio receiving apparatus. K. Emde. 2,272,937; Feb. 10.
Radio relaying. H. Tunick. 2,272,312; Feb. 10.
Radio station selector. E. H. Allen. 2,272,627; Feb. 10.
Radio active compositions, Making. J. N. Street. 2,272,899; Feb. 10.
Rail lubricator. J. T. McGarry. 2,272,774; Feb. 10.
Rail vehicle with mechanically driven swivel truck. R. M. Ostermann. 2,272,679; Feb. 10.
Railway car loading and unloading apparatus. G. F. Wiese. 2,272,958; Feb. 10.
Railway journal box lubricator. J. J. Hennessy. 2,272,199; Feb. 10.
Railway signaling system. O. H. Dicke and F. B. Hitchcock. 2,272,550; Feb. 10.
Railway track circuit apparatus. P. H. Crago. 2,272,792; Feb. 10.
Railway truck structure. K. F. Nystrom, E. S. Beckette, and V. L. Green. 2,272,426; Feb. 10.
Ratio controller. W. H. Vogt. 2,272,256; Feb. 10.
Receiver, High frequency. H. Eichhoff. 2,272,602; Feb. 10.
Record changer, Automatic selective. L. J. Andres and T. M. Wright. 2,272,500; Feb. 10.
Record cutting mechanism. N. L. Conrad and C. B. Dalc. 2,272,905; Feb. 10.
Reel: *See*—
Fishing reel.
Refractory materials, Making. H. C. Lee. 2,272,324; Feb. 10.
Refrigerating apparatus. H. B. Hull. 2,272,913; Feb. 10.
Refrigerating apparatus. H. F. Smith. 2,272,925; Feb. 10.
Refrigerating system. L. R. Beard. 2,272,764; Feb. 10.
Refrigeration. A. R. Thomas. 2,272,856; Feb. 10.
Refrigerator. L. W. Reinken and J. S. Jammer. 2,272,614; Feb. 10.
Refrigerator car. C. D. Bonsall. 2,272,543; Feb. 10.
Refrigerator car. G. G. Gilpin. 2,272,555; Feb. 10.
Refrigerator car. K. E. Zeidler. 2,272,539; Feb. 10.
Register, Autographic. W. R. Wright. 2,272,497; Feb. 10.
Register, Gasoline dispensing. G. S. Green. 2,272,460; Feb. 10.
Register, Resettable. H. E. Marvel. 2,272,417; Feb. 10.
Regulating apparatus. C. M. Summers. 2,272,756; Feb. 10.
Regulating device. C. A. Otto. 2,272,815; Feb. 10.
Regulating means. H. M. Weir. 2,272,451; Feb. 10.
Regulator: *See*—
Vaporizer and pressure regulator.
Regulator valve. L. M. Persons. 2,272,250; Feb. 10.
Reinforcing beads on conical paper cups, Forming. G. Merta. 2,272,920; Feb. 10.
Relay. L. J. Smith. 2,272,485; Feb. 10.
Relay apparatus. A. H. Lamb. 2,272,714; Feb. 10.
Repeater, Unattended mechanical. H. A. Affel. 2,272,389; Feb. 10.
Resilient connector. C. Saurer. 2,272,900; Feb. 10.
Resin comprising a polymerized unsaturated methylene compound containing a polynuclear aromatic compound, Optical. C. E. Barnes. 2,272,827; Feb. 10.
Resins and coloring materials in gelatin, Dispersing mixtures of. S. S. Pierke. 2,272,191; Feb. 10.
Reversing relief valve. C. W. Dennis. 2,272,318; Feb. 10.
Rewind device. J. A. Links and J. P. Herst. 2,272,413; Feb. 10.
Ring: *See*—
Carbon ring.
Piston ring.
Ring-locking means for fishhook knots. W. C. Sisson. 2,272,332; Feb. 10.
Road spraying device. H. A. Cederstrom. 2,272,544; Feb. 10.
Rod: *See*—
Connecting rod.
Roofing. G. S. Logan. 2,272,377; Feb. 10.
Rotary burner. G. E. Andrle. 2,272,593; Feb. 10.
Rotary pump, Balanced. W. L. Davis. 2,272,635; Feb. 10.
Rubber article and making the same. C. L. Beal. 2,272,290; Feb. 10.
Rubber articles, Production of. H. W. Greenup. 2,272,880; Feb. 10.
Rubber compound and making same. H. Becher, J. Ross, and J. Stein. 2,272,396; Feb. 10.
Rubber compound or product and making the same. H. Becher, J. Stein, and J. Ross. 2,272,398–9; Feb. 10.
Rubber, Compounding. F. W. Corkery. 2,272,600; Feb. 10.
Rubber compounds or products, Making. H. Becher, A. S. Keston, and J. Stein. 2,272,397; Feb. 10.
Rubber tubing, Manufacture of. J. A. Kelly. 2,272,343; Feb. 10.
Safety device. L. P. Winslow. 2,272,494; Feb. 10.
Safety inner tube. C. S. Pidgeon. 2,272,896; Feb. 10.
Safety secret lock. E. Falla-Caravino. 2,272,689; Feb. 10.
Safety switch. M. Herman. 2,272,972; Feb. 10.
Salts, Dehydrating. K. A. Kobe. 2,272,345; Feb. 10.
Salts of dihydroxy hexachlo diphenyl methane, Alkaline earth metal. W. S. Gump. 2,272,267; Feb. 10.
Salts of dihydroxy hexachloro diphenyl methane, Alkali metal. W. S. Gump. 2,272,268; Feb. 10.
Sampler, Automatic. R. M. Waters. 2,272,313; Feb. 10.
Sanding machine. L. E. Parker. 2,272,273; Feb. 10.
Scaffold. E. A. Noser. 2,272,349; Feb. 10.
Scaffold. F. E. Walp. 2,272,957; Feb. 10.
Scissors, Safety. I. Steinhardt. 2,272,753; Feb. 10.
Scraper, Wheeled. G. W. Mork. 2,272,221; Feb. 10.
Screen shade for motion pictures and the like. J. C. Gallagher. 2,272,296; Feb. 10.
Screen supporting means, Portable picture. J. T. Heck. 2,272,269; Feb. 10.
Screw driver. F. C. Snyder. 2,272,357; Feb. 10.
Screw, Setting or clamping. A. B. Schaefer. 2,272,852; Feb. 10.
Seal for centrifugal pumps. E. R. Wilfley. 2,272,454; Feb. 10.
Seal for rotating shafts. W. C. Keeran. 2,272,526; Feb. 10.
Seal, Glass to metal. A. W. Hull and L. Navias. 2,272,747; Feb. 10.
Sealing dissimilar materials. H. K. King. 2,272,210; Feb. 10.

Sealing structure. T. D. Nathan. 2,272,811; Feb. 10.
Seat: *See*—
Adjustable seat.
Seat construction. A. E. Rathbun. 2,272,885; Feb. 10.
Securing a bails to a smokestands for shipment. G. A. Gilbertson. 2,272,519; Feb. 10.
Seismograph. O. F. Ritzmann. 2,272,984; Feb. 10.
Selectivity by phase quadrature methods. J. H. Hammond, Jr., and E. S. Purington. 2,272,840; Feb. 10.
Self-sealing cap. A. M. Andrews. 2,272,653; Feb. 10.
Separator: *See*—
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Separator means for use in vertical filing systems. A. Volk. 2,272,685; Feb. 10.
Shears, Hair cutting and thinning. B. Phillips. 2,272,580; Feb. 10.
Sheet counting mechanism. F. Klink. 2,272,713; Feb. 10.
Sheet feeder. A. Broadmeyer. 2,272,457; Feb. 10.
Sheet feeding and cutting mechanism. J. A. Heckman. 2,272,408; Feb. 10.
Sheet metal pipe machine. G. H. Garrett and H. Jackson. 2,272,698; Feb. 10.
Ship salvaging apparatus. C. M. Zoll. 2,272,785; Feb. 10.
Shirt. J. N. Doumaux. 2,272,796; Feb. 10.
Shoemaking method. B. Jayne. 2,272,373; Feb. 10.
Shoes, Lasting. A. Sbicca. 2,272,824; Feb. 10.
Shutter controlling device. L. C. Weaver and A. G. Sutcliffe. 2,272,928; Feb. 10.
Sign: *See*—
Highway sign. Illuminated sign.
Signal apparatus. Turn. L. C. Larson. 2,272,212; Feb. 10.
Signal knob. E. A. Fantl. 2,272,909; Feb. 10.
Signaling apparatus, Railway. W. T. Derr. 2,272,793; Feb. 10.
Signaling system, Coded track circuit. R. M. Phinney. 2,272,581; Feb. 10.
Signaling system, Radiant energy. J. H. Hammond, Jr. 2,272,839; Feb. 10.
Silica, Making a transparent article of. J. F. Hyde. 2,272,342; Feb. 10.
Single phase motor. J. H. Schurch. 2,272,435; Feb. 10.
Skirt marker. I. Levin. 2,272,612; Feb. 10.
Sleeve and method of connecting a wire to same. C. H. Klein. 2,272,244; Feb. 10.
Snatch block. H. W. Bardsley. 2,272,826; Feb. 10.
Soap dispensing apparatus. B. F. Johnson. 2,272,669; Feb. 10.
Sound reproducer, Photoelectric. G. L. Dimmick. 2,272,795; Feb. 10.
Spark plug. E. M. Hall. 2,2,272,558; Feb. 10.
Speed control mechanism. D. W. Morris and A. G. Cattaneo. 2,272,678; Feb. 10.
Spring: *See*—
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Stamp and the like, Strip. S. T. Carter. 2,272,262; Feb. 10.
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Stationery, Manufacturing fanfold. E. J. Horner. 2,272,803; Feb. 10.
Statistical machines, Control element for. A. H. Dickinson. 2,272,366; Feb. 10.
Steam engine. A. M. Rossman. 2,272,226; Feb. 10.
Steel, Manufacturing. E. L. Ramsey and L. G. Graper. 2,272,227; Feb. 10.
Steel tie. R. E. L. Maxey. 2,272,218; Feb. 10.
Stitching mechanism. H. G. Bailey and W. C. Jones. 2,272,180; Feb. 10.
Stoker. E. J. Sourber. 2,272,438; Feb. 10.
Stoker operable with natural draft installations, Mechanical. J. T. Norman. 2,272,813; Feb. 10.
Stretcher. J. R. Smith, Jr. and F. De la Rosa. 2,272,681; Feb. 10.
Styrene, Plasticization of polymerized. A. J. Warner and A. A. New. 2,272,996; Feb. 10.
Suction cleaner. E. Armstrong. 2,272,394; Feb. 10.
Sugars, Preparation of lower. E. J. Lorand. 2,272,378; Feb. 10.
Support: *See*—
Counterbalaneed lid support. Work support.
Support and spacer for concrete reinforcement. J. L. Callaway, Jr. 2,272,363; Feb. 10.
Support for cups, glasses, and other containers, Handled. H. H. R. Hanford. 2,272,462; Feb. 10.
Support for laundry tubs, Work. E. J. Johnson. 2,272,524; Feb. 10.
Swab. K. F. Budd. 2,272,963; Feb. 10.
Sweeper and brusher, Combined. L. L. Payne. 2,272,983; Feb. 10.
Sweeper, Carpet. C. C. Parrish. 2,272,476; Feb. 10.
Switch: *See*—
Automatic switch. Safety switch.
Electric switch. Vibration-operated switch.
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Switch. A. J. Bowie. 2,272,506; Feb. 10.
Switch. C. I. Smith and S. Rock. 2,272,730; Feb. 10.
Switch and signal control system for railways. A. Langdon and W. L. Livingston. 2,272,565; Feb. 10.
Switches, Control of electric. R. M. Spurck. 2,272,752; Feb. 10.
Switchgear, Electric. B. W. Mahoney. 2,273,001–2; Feb. 10.
Switching device. F. E. Wood. 2,272,496; Feb. 3.
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Tabulating machine. H. A. Weinlich. 2,272,450; Feb. 10.
Tape dispenser. F. A. Anderson. 2,272,628; Feb. 10.
Telegraph keyboard apparatus. G. F. Miller, F. G. Nuxoll, and S. W. Rothermel. 2,272,420; Feb. 10.
Telegraphone. H. E. Roys. 2,272,821; Feb. 10.
Telephone substation apparatus. H. F. Obergfell. 2,272,474; Feb. 10.
Telephone system. B. A. Hensler. 2,272,464; Feb. 10.
Telephone system. J. E. Ostline. 2,272,475; Feb. 10.
Tension measuring apparatus. C. Paulson. 2,272,921; Feb. 10.
Terminal structure for electric lamps. C. A. Cotman and D. K. Wright. 2,272,512; Feb. 10.
Testing and indicating apparatus. A. T. Sigo. 2,272,311; Feb. 10.
Testing device. H. O. Hem. 2,272,971; Feb. 10.
Textile materials, Printing cellulosic. D. P. Milburn. 2,272,810; Feb. 10.
Theater chair. J. L. Biggs. 2,272,505; Feb. 10.
Therapeutic compositions. R. S. Shelton. 2,272,484; Feb. 10.
Thermometer. E. A. Edwards. 2,272,240; Feb. 10.
Thermoplastic product and producing same. F. L. Kilbourne, Jr. 2,272,888; Feb. 10.
Thermostatic control. M. W. Eaton. 2,272,458–9; Feb. 10.
Thread, Dry spinning artificial. R. M. Hoffman. 2,272,666; Feb. 10.
Thread or the like, Processing. A. H. Burkholder and W. F. Knebusch. 2,272,182; Feb. 10.
Thread or the like, Processing. C. C. Walters. 2,272,233; Feb. 10.
Tie holder. R. A. Troidl. 2,272,361; Feb. 10.
Time cycle controller. W. J. Brown, E. A. Edwards, and E. J. Heldmann. 2,272,237; Feb. 10.
Time cycle system. W. H. Vogt and G. E. Buske. 2,272,257; Feb. 10.
Timing system. R. J. Little. 2,272,568; Feb. 10.
Tire construction. W. S. Coben. 2,272,891; Feb. 10.
Tire inspection apparatus. G. P. Bosomworth. 2,272,893; Feb. 10.
Tire tread construction. A. Hargraves. 2,272,879; Feb. 10.
Tires, Recapping. E. A. Glynn. 2,272,637; Feb. 10.
Tires, Vulcanizing. R. S. Taylor and G. P. Bosomworth. 2,272,892; Feb. 10.
Titanium dioxide, Producing dielectrically high-grade. P. Schupp. 2,272,331; Feb. 10.
Tong handle torque indicator. W. K. Kreiger and W. J. Travers, Jr. 2,272,610; Feb. 10.
Tool: *See*—
Boring or internal forming tool. Oiling tool.
Fishing tool. Portable nibbling tool.
Tool for washers. S. Schnell. 2,272,355; Feb. 10.
Toy convertible automobile-plane. H. Peters and S. T. Pollak. 2,272,643; Feb. 10.
Toy, Mechanical target. J. W. Butler. 2,272,597; Feb. 10.
Toy railroad trackage. J. L. Bonanno. 2,272,903; Feb. 10.
Tractor. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,272,286; Feb. 10.
Tractor. W. G. Ellis. 2,272,603; Feb. 10.
Tractor and rudder hitch. T. P. Flynn and R. E. Nells. 2,272,619; Feb. 10.
Transfer mechanism. R. L. Wilcox and H. L. Hoyt. 2,272,592; Feb. 10.
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Transformer. H. Whittle. 2,272,452; Feb. 10.
Transmission device, Variable speed friction gear power. F. Cavallo. 2,272,509; Feb. 10.
Transmission, Hydraulic. L. M. Persons. 2,272,249; Feb. 10.
Transmission system. W. M. Bishop. 2,272,735; Feb. 10.
Transmission with level equalizing. W. A. Phelps. 2,272,613; Feb. 10.
Trap: *See*—
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Traverse roll. W. Reiners. 2,272,384; Feb. 10.
Treating and massaging parts of the body. E. B. Rinkes and E. Meadow. 2,272,481; Feb. 10.
Trimmer mechanism for bristling machines, Reciprocating. W. P.-G. Hall and A. O. Bell. 2,272,800; Feb. 10.
Tripod. H. J. Waechter. 2,272,490; Feb. 10.
Truck. C. E. Traxel. 2,272,447; Feb. 10.
Tube: *See*—
Electron beam tube. Safety inner tube.
Tube cleaning apparatus. P. T. Keebler and V. H. Baker. 2,272,640; Feb. 10.
Tube protector, Heat exchange. F. M. Young. 2,272,863; Feb. 10.

Tube splicing apparatus. H. D. Stevens. 2,272,881; Feb. 10.
Tubulating. L. L. Stager. 2,272,927; Feb. 10.
Tuning indicator. K. Emde. 2,272,660; Feb. 10.
Turbine blade. J. F. Chalupa. 2,272,831; Feb. 10.
Turbine, Continuous flow gas. R. Leduc. 2,272,676; Feb. 10.
Turbodrive and control. H. Schjolin. 2,272,434; Feb. 10.
Underframe for power shovels. F. De Jute. 2,272,693; Feb. 10.
Upholstery construction. J. Kronheim. 2,272,807; Feb. 10.
Vacuum cleaner. C. W. Olson. 2,272,814; Feb. 10.
Vacuum tube circuit. D. E. Foster. 2,272,369; Feb. 10.
Valance. T. F. Byron. 2,272,657; Feb. 10.
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Antisiphon valve. Pneumatic tube valve.
Measuring valve. Regulator valve.
Mixing valve. Reversing relief valve.
Valve. R. G. Briese. 2,272,655; Feb. 10.
Valve. C. H. Young, Jr. 2,272,960; Feb. 10.
Valve construction. R. F. Wilson. 2,272,886; Feb. 10.
Valve insides. A. E. Bronson. 2,272,634; Feb. 10.
Vaporizer and pressure regulator. G. L. Holzapfel. 2,272,341; Feb. 10.
Vegetable proteins, Manufacturing. H. Iwamae. 2,272,562–3; Feb. 10.
Vehicle body. J. Votypka. 2,272,535; Feb. 10.
Vehicle construction. E. C. Merry. 2,272,572; Feb. 10.
Vehicle top, Motor. S. Ingildsen and F. J. Westrope. 2,272,299; Feb. 10.
Vending machine. J. W. Srodulski. 2,272,683; Feb. 10.
Vending machine compartment structure. J. W. Srodulski. 2,272,682; Feb. 10.
Vending machine, Refrigerated apple. I. M. Miller. 2,272,750; Feb. 10.
Verifying machine for perforated cards. K. A. Knutsen. 2,272,916; Feb. 10.
Vibration isolating mounting. W. A. Jack, 3rd. 2,272,639; Feb. 10.
Vibration-operated switch. B. Elster. 2,272,797; Feb. 10.
Vibrator. R. H. Sullivan. 2,272,855; Feb. 10.
Vine cutter. W. A. Seright. 2,272,436; Feb. 10.
Vitamin B_6, Synthesis of. S. A. Harris. 2,272,198; Feb. 10.
Voting machine of the recording type. F. H. M. and R. B. Hart. 2,272,371; Feb. 10.
Vulcanizer clamp. J. C. Crowley. 2,272,965; Feb. 10.
Vulcanizer, Retreading. W. P. Voth. 2,272,231; Feb. 10.
Vulcanizing press. R. W. Allen. 2,272,887; Feb. 10.
Washing machine. D. B. D. Blake. 2,272,541; Feb. 10.
Washing machine. J. Zimarik. 2,272,284; Feb. 10.
Water flooding of oil fields. H. T. Kennedy. 2,272,672; Feb. 10.
Wave band filter, Regenerative. J. Steinmetz. 2,272,589; Feb. 10.
Wave transmission system, Electric. O. D. Grismore. 2,272,701; Feb. 10.
Wave transmission system, Electric. K. S. Johnson. 2,272,712; Feb. 10.
Waxlike substances, Production of. H. G. Hummel and M. Jahrstorfer. 2,272,466; Feb. 10.
Web registering mechanism. H. Kott. 2,272,376; Feb. 10.
Web splicing device. C. L. Ricards. 2,272,225; Feb. 10.
Wedge-up clamp. M. Schlatter and W. F. McCollum. 2,272,624; Feb. 10.
Weld patch clamp. P. D. Merrill. 2,272,621; Feb. 10.
Welding apparatus, Electric tube. J. B. Borgadt. 2,272,633; Feb. 10.
Well pumping mechanism. D. D. Perry. 2,272,579; Feb. 10.
Wheel: *See*—
Grinding wheel.
Wheel change-over unit. W. S. Brink. 2,272,961; Feb. 10.
Wheel construction. J. W. Tatter and B. H. Shinn. 2,272,962; Feb. 10.
Wheel flange and rail lubricator. J. T. McGarry. 2,272,775; Feb. 10.
Wheel for ladders, Ridge. T. N. Owen. 2,272,642; Feb. 10.
Wheel mounting for motor vehicles. A. H. Organ. 2,272,575; Feb. 10.
Wheel raising device, Compact vehicle. J. G. St. Laurent. 2,272,334; Feb. 10.
Wheel structure. W. S. Brink. 2,272,889; Feb. 10.
Wheel structure, Centrifugal blower. A. W. Evans. 2,272,695; Feb. 10.
Window construction. L. H. Morin. 2,272,722; Feb. 10.
Window construction. C. M. Verhagen. 2,272,281; Feb. 10.
Window sash. H. C. Bullard. 2,272,508; Feb. 10.
Wire burning unit. E. D. Boisselier. 2,272,931; Feb. 10.
Wire clamping device for loose-leaf binders. K. V. Goodloe. 2,272,339; Feb. 10.
Wire drawing machine. F. P. Dahlstrom. 2,272,187; Feb. 10.
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Wire tightener or reeling apparatus, Running. H. W. Roos. 2,272,278; Feb. 10.
Work support. E. L. Butler. 2,272,183; Feb. 10.
Zein, Production of. L. C. Swallen. 2,272,488; Feb. 10.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 10, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aktiebolaget Addo, Malmo, Sweden. Calculating machines and bookkeeping machines. Serial No. 449,364; Feb. 17. Class 26.

Albany Packing Company, Inc., Colonie, N. Y. Meats and meat products—viz., cooked canned beans. Serial No. 448,353; Feb. 17. Class 46.

Aldan Rubber Company, Philadelphia, Pa. Rubberized fabrics and other moisture proofed and water-repellent fabrics. Serial No. 449,309; Feb. 17. Class 50.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Waterproofing, protective, and camouflage paint. Serial No. 449,246; Feb. 17. Class 16.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Traveling bags. Serial No. 449,405; Feb. 17. Class 3.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. Serial No. 448,889; Feb. 17. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils and greases. Serial No. 448,891; Feb. 17. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. Serial Nos. 448,892–3; Feb. 17. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. Serial No. 448,895; Feb. 17. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. Serial No. 448,897; Feb. 17. Class 15.

Azusa Citrus Association, Azusa, Calif. Fresh citrus fruits. Serial Nos. 449,711–12; Feb. 17. Class 46.

B. L. Dental Company. (See Lowenstein, Bernard B.)

Barber-Colman Company, Rockford, Ill. Air flow control louver units for air conditioning systems. Serial No. 445,314: Feb. 17. Class 34.

Barker Chemical Company. (See Lester, Ralph B.)

Barron-Gray Packing Company, San Jose, Calif. Canned pineapple and pear juice. Serial No. 436,917; Feb. 17. Class 46.

Batlin, L., & Son, Inc., New York, N. Y. Glassware. Serial No. 448,847; Feb. 17. Class 33.

Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for testing, exercising, and training the eyes. Serial No. 449,539; Feb. 17. Class 26.

Bentkamp, August, New York, N. Y. Ear muffs. Serial No. 448,181; Feb. 17. Class 39.

Bogle, R. H., Company, The, Alexandria, Va. Moth destroyer preparation. Serial No. 449,664; Feb. 17. Class 6.

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Liquid meters. Serial No. 446,041; Feb. 17. Class 26.

Bradley, Milton, Company, Springfield, Mass. Liquid paste, mucilage, rubber cement, etc. Serial No. 449,886; Feb. 17. Class 5.

Brooke, Norman E., Washington, D. C. Hand rakes. Serial No. 447,793; Feb. 17. Class 23.

Brown, Joseph H., New York, N. Y. Two-pronged hat pin. Serial No. 444,926; Feb. 17. Class 40.

Burke & James, Inc., Chicago, Ill. Stillfilm projectors. Serial No. 449,250; Feb. 17. Class 26.

Byer-Rolnick Co., Garland, Tex. Men's hats. Serial No. 447,781; Feb. 17. Class 39.

Calcium Sulphide Corporation, Damascus, Va. Calcium hydrosulfide. Serial No. 449,760; Feb. 17. Class 6.

Campana Corporation, Batavia, Ill. Toilet preparations. Serial No. 439,748; Feb. 17. Class 6.

Cardinal Corporation, The, Evansville, Ind. Castings of transparent plastic material. Serial No. 429,431; Feb. 17. Class 50.

Carpenter Steel Company, The, Reading, Pa. Tool steel. Serial No. 449,315; Feb. 17. Class 17.

Casco Products Corporation, Bridgeport, Conn. Abrasive wheels. Serial No. 443,972; Feb. 17. Class 4.

Casco Products Corporation, Bridgeport, Conn. Electric heating pads. Serial No. 448,034; Feb. 17. Class 44

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor device for drilling, grinding, etc. Serial No. 448,668; Feb. 17. Class 21.

Casco Products Corporation, doing business as Perfection Motor Products Company, Bridgeport, Conn. Dirigible electric light. Serial No. 448,072; Feb. 17. Class 21.

Caswell, Geo. W., Co., San Francisco, Calif. Coffee. Serial No. 446,125; Feb. 17. Class 46.

Cerophyl Laboratories, Inc., Kansas City, Mo. Vitamin and mineral supplement to human and animal food. Serial No. 444,326; Feb. 17. Class 46.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Smoking stands, ash receivers, smoker's sets, etc. Serial No. 443,112; Feb. 17. Class 8.

Chemade Company, The. (See Wilcox, Clifford F.)

Chittum, E. Carroll, doing business as E. C. Chittum Co., Baltimore, Md. Game. Serial No. 450,009; Feb. 17. Class 22.

City Fuel Company. (See Staples Coal Company.)

Cole of California, Inc., Los Angeles, Calif. Garments—namely swimming suits. Serial No. 440,580; Feb. 17. Class 39.

Comfy Manufacturing Company, The, Baltimore, Md. Furniture slip covers. Serial Nos. 444,634–5; Feb. 17. Class 32.

Constructions et Applications Radio-Electrolytiques, Paris, France. Apparatus for electrolytically preparing an antiseptic solution. Serial No. 428,278; Feb. 17. Class 44.

Correct Garment Co. Inc., New York, N. Y. Skirts. Serial No. 443,273; Feb. 17. Class 39.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, suntan oil, etc. Serial Nos. 449,542–4; Feb. 17. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, suntan oil, etc. Serial No. 449,766; Feb. 17. Class 6.

Creed & Stewart, Ltd., Aurora, Ill. Packages containing cut-out and prepared materials for making lounging slippers, etc. Serial No. 448,469; Feb. 17. Class 40.

Crystal, David, Inc., New York, N. Y. Dresses and dress ensembles. Serial No. 449,366; Feb. 17. Class 39.

Del-Mar Company. (See Newman, Rosser J.)

De Marsay, Inc., New York, N. Y. Beauty creams, cold creams, refreshing creams, etc. Serial No. 443,839; Feb. 17. Class 6.

Dernburg Fur Company, Inc., Chicago, Ill. Compounds used in the treatment of furs. Serial No. 443,925; Feb. 17. Class 6.

Detail Products Company, St. Louis, Mo. Emulsion of mineral oil with thiamin chloride. Serial No. 449,642; Feb. 17. Class 6.

Dewey Brothers Company, The, Blanchester, Ohio. Corn distillers dried solubles, for poultry and livestock feed. Serial No. 449,367; Feb. 17. Class 46.

Disposalator Mfg. Co. (See Sanford, David E.)

Doall Co., Inc., The, Des Plaines, Ill. Files, file segments, file bands, saws, and saw bands. Serial No. 443,157; Feb. 17. Class 23.

Dombrowsky, Max, New York, N. Y. Neckties, cravats, and handkerchiefs. Serial No. 448,449; Feb. 17. Class 39.

Drumlin, Inc., New York, N. Y. Herbal compound for use in the care of the scalp and hair. Serial No. 449,411; Feb. 17. Class 6.

Durable Toy & Novelty Corp., New York, N. Y. Coin banks. Serial No. 449,898; Feb. 17. Class 22.

Economy Grocery Stores. (See Economy Grocery Stores Corporation.)

Economy Grocery Stores Corporation, also doing business under the names and styles of Stop and Shop Super Markets and Economy Grocery Stores, Boston, Mass. Canned fish. Serial No. 447,561; Feb. 17. Class 46.

Ederer, Charles, New York, N. Y. Preparation for cleaning the type of typewriters and office machines. Serial No. 448,471; Feb. 17. Class 4.

Emery Industries, Inc., Cincinnati, Ohio. Fat splitting reagents and saponifiers. Serial No. 443,489; Feb. 17. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Fat splitting reagents and saponifiers. Serial No. 443,492; Feb. 17. Class 6.

Femfacs Products Co. (See Glantz, Irving R.)

Finder, Moses, Co. Inc., New York, N. Y. Cravats. Serial No. 443,259; Feb. 17. Class 39.

Fisher Governor Company, Marshalltown, Iowa. Spring controlled valves. Serial No. 448,938; Feb. 17. Class 13.

Forest City Products, Inc., Cleveland, Ohio. Vitamin tablets. Serial Nos. 449,227–8; Feb. 17. Class 6.

Freydberg Bros., Inc., Stamford, Conn., and New York, N. Y. Wire for tying packages etc. Serial No. 448,381; Feb. 17. Class 7.

Fromm Bros., Inc., Hamburg, Wis. Garments made of fur—namely, coats, jackets, capes, etc. Serial No. 444,867; Feb. 17. Class 39.

Garden City Plating & Mfg. Co., Inc., Chicago, Ill. Lighting reflectors for fluorescent lamps. Serial No. 443,228; Feb. 17. Class 34.

Gilbert, William L., Clock Corporation, Winsted, Conn. Clocks. Serial No. 449,230; Feb. 17. Class 27.

Glantz, Irving R., doing business as Femfacs Products Co., New York, N. Y. Douche powder. Serial No. 448,862; Feb. 17. Class 6.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Fluid conducting hose composed of fabric and rubber. Serial No. 449,263; Feb. 17. Class 35.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Heels, soles, and half soles of rubber. Serial No. 449,343; Feb. 17. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Storage batteries, spark plugs, and electricians tape. Serial No. 449,455; Feb. 17. Class 21.
Gotham Sales Company, Inc., New York, N. Y. Prophylactic rubber articles. Serial No. 448,192; Feb. 17. Class 44.
Guarantee Specialty Manufacturing Co., The, Cleveland, Ohio. Venetian blind assemblies and slats, head rails, bottom rails, and tilt rails therefor. Serial No. 449,901; Feb. 17. Class 32.
Guarantee Specialty Manufacturing Co., The, Cleveland, Ohio. Venetian blind cords. Serial No. 449,902; Feb. 17. Class 7.
Hamwi, Ernest A., doing business as Western Cone Company, St. Louis, Mo. Ice cream cones. Serial No. 449,265; Feb. 17. Class 46.
Harris, A., & Co., Dallas, Tex. Hats. Serial No. 448,941; Feb. 17. Class 39.
Hartford Textile Co. (See Magid, Robert P.)
Harvey, G. F., Company, The, Saratoga Springs, N. Y. Pharmaceutical preparation—namely, vitamin capsules. Serial No. 445,288; Feb. 17. Class 6.
Hecht & Biern, New York, N. Y. Ladies' sweaters. Serial No. 449,232; Feb. 17. Class 39.
Herman, John C., & Co., New Cumberland, Pa. Chewing and smoking tobacco. Serial Nos. 449,275–7; Feb. 17. Class 17.
Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation containing vitamins. Serial No. 449,456; Feb. 17. Class 6.
Inertol Company, Inc., Newark, N. J. Non-drying paint. Serial No. 448,731; Feb. 17. Class 16.
International Latex Corporation, New York, N. Y. Grouping of empty receptacles. Serial No. 448,081; Feb. 17. Class 2.
Jackson-Wheeler Metals Service, Inc., Brooklyn, N. Y. Bearing metal alloys, babbitt metals, and white metal alloys. Serial No. 449,418; Feb. 17. Class 14.
Jensen, Georg, Inc., New York, N. Y. Flatware and hollowware. Serial No. 449,323; Feb. 17. Class 28.
Jensen Radio Manufacturing Company, Chicago, Ill. Loud speakers. Serial Nos. 446,877–8; Feb. 17. Class 21.
Johnson, Frieda L., doing business as Johnson Products Company, New York, N. Y. All purpose fabric mender. Serial No. 448,193; Feb. 17. Class 6.
Justi, H. D., & Son, Inc., Philadelphia, Pa. Materials and kits of materials for forming intra oral dental impressions. Serial No. 449,613; Feb. 17. Class 44.
Kearney & Trecker Corporation, West Allis, Wis. Machine tools, milling machines, parts thereof and accessories therefor. Serial No. 449,422; Feb. 17. Class 23.
Kessler, Schwartz & Co., Inc., New York, N. Y. Women's and misses' coats, suits, and equestrian clothes. Serial No. 448,866; Feb. 17. Class 39.
Knox Company, The, Los Angeles, Calif. Preparations used in and for the treatment and to relieve the irritation and pain of bunions, burns, etc. Serial No. 449,281; Feb. 17. Class 6.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Clothes line. Serial No. 449,861; Feb. 17. Class 7.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Jar rings. Serial No. 449,863; Feb. 17. Class 35.
Laboratory Equipment Corporation, Benton Harbor, Mich. Scientific laboratory combustion furnaces, cabinets, various glass and Pyrex parts, etc. Serial No. 447,463; Feb. 17. Class 26.
La Brea Securities Co., doing business as Rosemary Packing Company, Los Angeles and Santa Maria, Calif. Fresh vegetables—namely, broccoli, cauliflower, chicory, carrots, anise, etc. Serial No. 448,698; Feb. 17. Class 46.
Lambert Pharmacal Company, Wilmington, Del. Saponaceous paste known as shaving cream. Serial No. 448,975; Feb. 17. Class 4.
Lawson Coffee Co., Inc., Sumter, S. C. Coffee. Serial No. 438,951; Feb. 17. Class 46.
Lentheric, Incorporated, New York, N. Y. Perfumes; toilet waters and cosmetic creams. Serial No. 449,379; Feb. 17. Class 6.
Lester, Ralph B., doing business as Barker Chemical Company, New York, N. Y. Cleaning material for polishing marble, etc. Serial No. 447,883; Feb. 17. Class 4.
Lever Brothers Company, Cambridge, Mass. Vitamin tablets. Serial No. 449,233; Feb. 17. Class 6.
Lincoln Leather Goods Co. Inc., New York, N. Y. Handbags. Serial No. 449,380; Feb. 17. Class 3.
Linen Thread Co., Inc., The, New York, N. Y. Nets used in the games of tennis, badminton, water polo, etc. Serial No. 445,660; Feb. 17. Class 22.
Lockport Cotton Batting Co., Lockport, N. Y. Wool batting or wool batts. Serial No. 448,152; Feb. 17. Class 1.
Lockport Cotton Batting Co., Lockport, N. Y. Wool batting or wool batts. Serial No. 448,155; Feb. 17. Class 1.
Lowenfels, Frederick F., & Son, New York, N. Y. Butter. Serial No. 442,045; Feb. 17. Class 46.
Lowenstein, Bernard B., doing business as B. L. Dental Company, New York, N. Y. Dental instruments—namely, grinding wheels and cutting tools, etc. Serial No. 448,797; Feb. 17. Class 44.
Luft, George W., Company, Inc., The, Long Island City, N. Y. Lipstick, perfume, rouge, and face powder. Serial No. 449,349; Feb. 17. Class 6.
Magid, Robert P., doing business as Hartford Textile Co., New York, N. Y. Water proof textile fabrics in the piece. Serial No. 448,106; Feb. 17. Class 50.
Marine Products Company, San Diego, Calif. Fresh frozen shrimp. Serial No. 449,079; Feb. 17. Class 46.
Markay, Inc., Kansas City, Mo. Dresses, and slack suits, and play suits. Serial No. 439,112; Feb. 17. Class 39.
Mas De Roda y Bernal, David, Barcelona, Spain. Perfumery. Serial No. 444,488; Feb. 17. Class 6.
Mazo, I. Joseph, doing business as Mazo Brothers Company, Washington, D. C. Canned fruits and vegetables, canned soups, glassed vinegar, canned fish, etc. Serial No. 439,253; Feb. 17. Class 46.
McCrory Stores Corporation, New York, N. Y. Wrappers. Serial No. 447,341; Feb. 17. Class 37.
McKesson & Robbins, Inc., New York, N. Y. Capsules or liquid containing a plurality of vitamins A, B_1, B_2, C, D, B_6, etc. Serial Nos. 449,460–2; Feb. 17. Class 6.
Merejko, Vera A., New York, N. Y. Dresses, suits, and coats. Serial No. 449,147; Feb. 17. Class 39.
Metallurgical Products Co. (See Wilenchik, Israel W.)
Midwest-Radiant Corporation, St. Louis, Mo. Processed coal fuel. Serial No. 448,765; Feb. 17. Class 1.
Modern Specialties, Inc., Atlanta, Ga. Receptacles. Serial No. 446,368; Feb. 17. Class 2.
Moordale Casuals, Inc., Chicago, Ill. Suits, coats, dresses, and slacks. Serial No. 449,491; published Feb. 17. Class 39.
National Tinsel Manufacturing Company, Manitowoc, Wis. Flat ribbon-like textile tape used as cordage. Serial No. 448,516; published Feb. 17. Class 7.
Nevins Fruit Co., Inc., New York, N. Y. Fresh citrus fruits—namely, oranges, grapefruit, and tangerines. Serial No. 446,887; published Feb. 17. Class 46.
Newman, Rosser J., doing business as The Del-Mar Company, Dallas, Tex. Condiment sauce preparation for flavoring roasts, chops, fish, etc. Serial No. 443,852; published Feb. 17. Class 46.
Norvic Shoe Company, Limited, Norwich, England. Boots and shoes. Serial No. 446,277; published Feb. 17. Class 39.
Old Colony Paint & Chemical Co., Los Angeles, Calif. Quick drying enamel. Serial No. 448,299; published Feb. 17. Class 16.
Ondolea Company, The. (See Stein, Hermann.)
O'Neil, Albert T., doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn. Metal brakes, wire benders, and metal shears. Serial No. 448,704; published Feb. 17. Class 23.
Parfums Schiaparelli, Inc., New York, N. Y. Soaps. Serial No. 449,059; published Feb. 17. Class 4.
Parfums Schiaparelli, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 449,384; published Feb. 17. Class 6.
Parsons Paper Company, Holyoke, Mass. Ledger and index papers. Serial No. 448,166; published Feb. 17. Class 37.
Pawling Refining Corp., Port Chester, N. Y. Degumming, desludging, motor cleaning preparation. Serial No. 448,680; published Feb. 17. Class 6.
Peacock Corporation, The, Kenosha, Wis. Onion sets, garden seeds, bulbs, etc. Serial No. 437,966–7; published Feb. 17. Class 1.
Peacock Laboratories, Inc., Philadelphia, Pa. Machine for spraying liquids in the preparation of mirrors. Serial No. 449,393; published Feb. 17. Class 23.
Peacock Laboratories, Inc., Philadelphia, Pa. Mirrors. Serial No. 449,394; published Feb. 17. Class 32.
Perfection Motor Products Company. (See Casco Products Corporation.)
Philadelphia Magnesia Co., Philadelphia, Pa. Mineral oil used in the treatment of constipation. Serial No. 439,174; published Feb. 17. Class 6.
Philco Corporation, Philadelphia, Pa. Automobile radio locks, cabinet locks, and window locks. Serial No. 449,153; published Feb. 17. Class 25.
Phillips Petroleum Company, Bartlesville, Okla. Oil dressing for hair. Serial No. 449,585; published Feb. 17. Class 6.
Pindus Chemical Co. (See Voss, Peter.)
Pinex Co., The, Fort Wayne, Ind. Cough balsam. Serial No. 449,293; published Feb. 17. Class 6.
Pond's Extract Company, New York, N. Y. Liquefying cream. Serial No. 449,102; published Feb. 17. Class 6.
Potthast, Frank J., Baltimore, Md. Dining room, living room, and bed room furniture. Serial No. 445,102; published Feb. 17. Class 32.
Quaker Rubber Corporation, Philadelphia, Pa. Belting for power transmission, elevating, and conveying purposes, air brake hose, etc. Serial Nos. 448,651–2; published Feb. 17. Class 35.
Quaker Stretcher Company, Kenosha, Wis. Curtain stretchers. Serial No. 448,170; published Feb. 17. Class 50.
RCA Manufacturing Company, Inc., Camden, N. J. Apparatus and equipment for reproducing sound from a film sound record and parts thereof. Serial No. 443,579; published Feb. 17. Class 26.
Raygram Corporation, New York, N. Y. Photographic chemicals. Serial No. 447,669; published Feb. 17. Class 6.

Raygram Corporation, New York, N. Y. Photographic developers and fixer hardeners. Serial No. 447,671; published Feb. 17. Class 6.
Revere Copper and Brass Incorporated, New York, N. Y. Roofing copper and copper in sheet form. Serial No. 439,417; published Feb. 17. Class 14.
Revlon Products Corporation, New York, N. Y. Enamel for coating finger nails, and lipsticks. Serial Nos. 450,025–6; published Feb. 17. Class 6.
Rhode Island Laboratories, Incorporated, West Warwick, R. I. Luminescent paints and varnishes. Serial No. 449,629; published Feb. 17. Class 16.
Rinshed-Mason Company, Detroit, Mich. Pyroxylin glazing putty. Serial No. 448,707; published Feb. 17. Class 16.
Roethlisberger & Co., Inc., New York, N. Y. Cheese. Serial No. 448,803; published Feb. 17. Class 46.
Rosemary Packing Company. (See La Brea Securities Co.)
Rubinstein, Helena, Inc., New York, N. Y. Face creams. Serial No. 449,356; published Feb. 17. Class 6.
Sal-T-Rub Company, Minneapolis, Minn. Rubbing mixture for mechanical stimulation of the skin. Serial No. 446,636; published Feb. 17. Class 6.
Sanford, David E., doing business as Disposalator Mfg. Co., Los Angeles, Calif. Receptacles. Serial No. 447,193; published Feb. 17. Class 2.
Sayco Doll Corporation, New York, N. Y. Dolls. Serial No. 449,436; published Feb. 17. Class 22.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for correction of metabolic deficiencies. Serial Nos. 449,358–9; published Feb. 17. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations for use as pressor agents, vasconstrictors, bronchodilators, etc. Serial No. 449,360; published Feb. 17. Class 6.
Shoe Lace Company, Lawrence, Mass. Shoe laces. Serial No. 449,300; published Feb. 17. Class 40.
Silson, Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, jewelry clips, etc. Serial No. 433,634; published Feb. 17. Class 28.
Smith, Arthur E., Los Angeles, Calif. Anesthetizing and nerve blocking preparations. Serial No. 447,829; published Feb. 17. Class 6.
Sonneborn, L., Sons, Inc., New York, N. Y. Waxy hydrocarbon material used as a paraffin substitute. Serial No. 446,148; published Feb. 17. Class 6.
South Texas Produce Co., McAllen, Tex. Fresh citrus fruit. Serial No. 449,027; published Feb. 17. Class 46.
Spartan Sporting Goods Company, Chicago, Ill. Sporting goods—namely, footballs, basketballs, volley balls, baseball gloves, etc. Serial No. 447,960; published Feb. 17. Class 22.
Spink, Charles C., & Son. (See Sporting News Publishing Company, The.)
Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Newspaper column. Serial No. 448,879; published Feb. 17. Class 38.
Stanco Incorporated, Wilmington, Del., and New York, N. Y. White oils, pharmaceutical, and medicinal products, and petroleum ether. Serial No. 449,241; published Feb. 17. Class 6.
Staples Coal Company, doing business as City Fuel Company, Boston, Mass. Coal. Serial No. 449,242; published Feb. 17. Class 1.
Stein, A., & Company, Chicago, Ill. Garters, suspenders, and belts. Serial No. 448,880; published Feb. 17. Class 39.
Stein, Hermann, doing business as The Ondolea Company, New York, N. Y. Hair dressing (permanent wave) kits. Serial No. 448,711; published Feb. 17. Class 44.
Sterling Brewers, Inc., Evansville, Ind. Beer. Serial No. 448,626; published Feb. 17. Class 48.
Sterling Tool Products Company, Chicago, Ill. Sanding or polishing machines. Serial No. 448,684; published Feb. 17. Class 23.
Stop and Shop Super Markets. (See Economy Grocery Stores Corporation.)
Strong & Fisher Limited, Rushden, England. Leather. Serial No. 448,442; published Feb. 17. Class 1.
Superba Cravats, Rochester, N. Y. Neckties. Serial No. 443,821; published Feb. 17. Class 39.
Tharaud, Justin, Inc., New York, N. Y. Ceramic table ware. Serial No. 446,007; published Feb. 17. Class 30.
Tolerton & Warfield Company, Sioux City, Iowa. Peanut butter, cane and maple syrup, honey, breakfast cereals, etc. Serial No. 436,745; Feb. 17. Class 46.
Tribune Company, Chicago, Ill. Newspaper column. Serial No. 448,991; Feb. 17. Class 38.
United Metals Refining Company, Detroit, Mich. Nonferrous metals and metal alloys. Serial No. 432,054; Feb. 17. Class 14.
United States Rubber Company, New York, N. Y. Asbestos yarns. Serial No. 449,471; Feb. 17. Class 43.
Vandegrift, William B., Seattle, Wash. Wind propelled ornaments used on automobiles, trucks, etc. Serial No. 447,036; Feb. 17. Class 19.
Voss, Peter, doing business as Pindus Chemical Co., Washington, D. C. Laxatives, skin and rectal ointments, and healing salves. Serial No. 443,589; Feb. 17. Class 6.
Walker, James, & Co., Limited, Woking, England. Cotton, hemp, asbestos flax or metallic foil machinery packing. Serial No. 448,022; Feb. 17. Class 35.
Wallerstein Company, Inc., New York, N. Y. Mixture of enzymes for analytical and industrial purpose. Serial No. 449,708; Feb. 17. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Calcium diphosphate preparation containing vitamins. Serial No. 448,993; Feb. 17. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation for use in the treatment of constipation. Serial No. 449,656; Feb. 17. Class 6.
Waronock and Ansen, New York, N. Y. Cameras and binoculars, goggles, sun glasses, field glasses, etc. Serial No. 435,332; Feb. 17. Class 26.
Welch, C. S., Company, The, New York, N. Y. Detergent liquid. Serial No. 448,121; Feb. 17. Class 4.
Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. Serial No. 439,377; Feb. 17. Class 39.
Western Cone Company. (See Hamwi, Ernest A.)
Western Union Telegraph Company, The, New York, N. Y. Telegraph facsimile transmitting and recording apparatus. Serial No. 449,562; Feb. 17. Class 21.
Wilcox, Clifford F., doing business as The Chemade Company, Los Angeles, Calif. Diuretic antacid alkaline compound. Serial No. 449,088; Feb. 17. Class 6.
Wilenchik, Israel W., doing business as Metallurgical Products Co., Philadelphia, Pa. Deoxidizing, degasifying, and desulphurizing agents. Serial No. 448,068; Feb. 17. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Canned vegetables, fruits, fruit juices, fish, pork and beans, soups, etc. Serial No. 437,747; Feb. 17. Class 46.
Wool Novelty Co. Inc., New York, N. Y. Knitting bags. Serial No. 449,817; Feb. 17. Class 3.
Yohanan, Daniel I., Denair, Calif. Canned soup and a preparation of milk and vegetable juices. Serial No. 448,403; Feb. 17. Class 46.
Zenith Powder Company, Oregon City, Oreg. High explosives. Serial No. 441,498; Feb. 17. Class 9.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Intestinal lubricant and laxatives. 393,496; Feb. 17; Serial No. 446,476; published Nov. 25, 1941. Class 6.
Abbott Laboratories. (See Swan-Myers Co., assignor.)
Alaska Pacific Salmon Company. (See Sanborn, Geo. W., & Sons, assignor.)
Allied Chemical & Dye Corporation. (See National Aniline & Chemical Company.)
Aluminum Cooking Utensil Company, The, New Kensington, Pa. Dry paint pigments. 151,312; renewed Jan. 31, 1942.
American Brass Company, The, Waterbury, Conn. Tubes made from nonferrous metals and alloys. 156,159; renewed June 20, 1942.
American Horseman. (See Brooks, Cleonae W.)
American Nickel Alloy Manufacturing Corp., New York, N. Y. Alloys. 393,505; Feb. 17; Serial No. 446,684; published Nov. 25, 1941. Class 14.
American Vineyards Corporation, The, Cleveland, Ohio. Wines. 393,446; Feb. 17; Serial No. 442,542; published Dec. 9, 1941. Class 47.
Arens, Albert A., Hartington, Nebr. Seed corn. 393,524; Feb. 17; Serial No. 447,198; published Dec. 16, 1941. Class 1.
Arey, K. C., & Company, Inc., Danville, Va. Wines. 393,435; Feb. 17; Serial No. 437,639; published Dec. 2, 1941. Class 47.
Aridye Corporation, Fair Lawn, N. J. Textile colors. 393,593; Feb. 17; Serial No. 448,126; published Dec. 2, 1941. Class 6.
Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 156,168; renewed June 20, 1942.
Atlantic Rayon Corporation, Providence, R. I. Yarn made wholly or in part of animal, vegetable, artificial and synthetic fibers. 393,598; Feb. 17. Class 43.
Atlantic Stamping Company, Rochester, N. Y. Metal products, consisting of funnels, strainers, commodes, foot tubs, pans, etc. 155,200; renewed May 23, 1942.
Aviation Institute of Denver, Inc., The, Denver, Colo. Instruction sheets and related matter issued from time to time. 393,527; Feb. 17; Serial No. 447,223; published Dec. 9, 1941. Class 38.
Baker, J. Harve, Portales, N. Mex. Oils for softening and preserving all kinds of leather. 152,677; renewed Mar. 7, 1942.

Barcalo Manufacturing Company, Buffalo, N. Y. Mattresses for beds and the like. 153,403; renewed Mar. 21, 1942.

Bayer Company, Inc., The, New York, N. Y. Medicinal preparations. 155,382; renewed May 30, 1942.

Bayer Company, Inc., The, New York, N. Y. Preparations or medicines. 155,612; renewed June 6, 1942.

Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic. 156,174; renewed June 20, 1942.

Ben-Burk, Inc., Boston, Mass. Whiskey. 393,436; Feb. 17; Serial No. 437,854; published Jan. 21, 1941. Class 49.

Ben Hur Products, Inc., New York, N. Y. Closet accessories—namely, clothes hangers. 393,483; Feb. 17; Serial No. 445,987; published Dec. 16, 1941. Class 50.

Benz, George, Sons, Inc., St. Paul, Minn. Distilled spirits, particularly rum. 393,491; Feb. 17; Serial No. 446,313; published Dec. 2, 1941. Class 49.

Bigelow Press, Inc., St. Paul, Minn. Wall calendars. 393,595; Feb. 17. Class 38.

Blackman Stock Remedy Co., assignor to Blackman Stock Medicine Co., Chattanooga, Tenn. A medicated salt brick for live stock. 149,001; renewed Dec. 6, 1941.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Fountain syrups for use in flavoring non-alcoholic, maltless beverages. 393,518; Feb. 17; Serial No. 447,041; published Nov. 25, 1941. Class 45.

Blish, Mize & Silliman Hardware Co., Atchison, Kan. Articles of cutlery and tools. 156,186; renewed June 20, 1942.

Blue Dew Corporation, Buffalo, N. Y. General household cleanser for washing dishes, glassware, furniture, woodwork, etc. 393,484; Feb. 17; Serial No. 446,040; published Dec. 2, 1941. Class 4.

Blue Line Hosiery Mills, Inc., New York, N. Y. Hosiery. 393,449; Feb. 17; Serial No. 443,037; published Dec. 2, 1941. Class 39.

Booth Fisheries Company, assignor to Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 153,124; renewed Mar. 14, 1942.

Borden Company, The. (See Galloway-West Company, assignor.)

Boyd-Welsh Shoe Company, assignor to Boyd-Welsh, Incorporated, St. Louis, Mo. Leather and cloth shoes. 154,495; renewed Apr. 18, 1942.

Bradley, Milton, Company, Springfield, Mass. Board games played with playing pieces and card games. 393,471; Feb. 17; Serial No. 445,169; published Dec. 16, 1941. Class 22.

Brooks, Cleonae W., doing business as American Horseman, Lexington, Ky. Section of a periodical. 393,472; Feb. 17; Serial No. 445,195; published Nov. 18, 1941. Class 38.

Brown Company, Portland, Maine, to Brown Company, Berlin, N. H. Writing and printing paper. 151,091; renewed Jan. 24, 1942.

Brown Company, Portland, Maine, and Berlin, to Brown Company, Berlin, N. H. Icings, coatings, and frostings. 152,361; renewed Feb. 28, 1942.

Brown, Victor, Undies, Inc., New York, N. Y. Ladies' and misses' slips, petticoats, and nightgowns. 393,542; Feb. 17; Serial No. 447,426; published Dec. 9, 1941. Class 39.

Butler Brothers, Chicago, Ill. Gloves of fabric and of leather. 149,646; renewed Dec. 20, 1941.

C-H-C Laboratories, Incorporated, New Orleans, La. Medicinal preparation used in the treatment of hay fever, head colds, sinusitis, catarrh, and asthma. 393,466; Feb. 17; Serial No. 444,630; published Dec. 2, 1941. Class 6.

Canada Packers Inc., New York, N. Y. Hams, luncheon meats, picnics, pork loins, and pickles. 393,620; Feb. 17. Class 46.

Canales, Juan, to Juan Canales, Newark, N. J. Salve. 153,677; renewed Mar. 28, 1942.

Cantrell & Cochrane, Limited, Dublin, to Cantrell & Cochrane, Limited, Dublin and Belfast, Ireland. Ginger ale, ginger beer, sarsaparilla, and bottled soda water. 150,761; renewed Jan. 10, 1942.

Cantrell & Cochrane, Limited, Dublin, to Cantrell & Cochrane, Limited, Dublin and Belfast, Ireland. Ginger ale. 153,984; renewed Apr. 4, 1942.

Carey, Philip, Manufacturing Company, The, Lockland, Ohio. Chemical preparations. 150,520; renewed Jan. 3, 1942.

Car-Na-Var Corporation. (See Continental Chemical Corporation, assignor.)

Carroll, Charles G., doing business as Charles Carroll Company, Kansas City, Mo. Food seasoning and dressing in the nature of meat sauce or salad dressing. 393,619; Feb. 17. Class 46.

Carson Pirie Scott & Company, Chicago, Ill. Dresses. 393,453; Feb. 17; Serial No. 443,597; published Dec. 2, 1941. Class 39.

Celanese Corporation of America, New York, N. Y. Syndicated fashion feature column issued periodically. 393,462; Feb. 17; Serial No. 444,595; published Nov. 18, 1941. Class 38.

Cerecedo, J. H., doing business as J. H. Cerecedo & Co., Chicago, Ill. Rum. 393,437; Feb. 17; Serial No. 437,895; published Nov. 18, 1941. Class 49.

Charcoal Industries, Inc., Monroe, La. Charcoal. 393,485; Feb. 17; Serial No. 446,227; published Dec. 16, 1941. Class 1.

Charles of the Ritz, Inc., New York, N. Y. Perfume and toilet water. 393,585; Feb. 17; Serial No. 448,073; published Dec. 9, 1941. Class 6.

Children's Products Company. (See Hecht, George J.)

Chlorine Solutions, Inc., Los Angeles, Calif. Bleaching fluid. 393,451; Feb. 17; Serial No. 443,184; published June 24, 1941. Class 6.

Cities Service Oil Company, Bartlesville, Okla. Apparatus for dispensing lubricating grease. 393,618; Feb. 17. Class 23.

Cohen, Mat S., Lexington, Ky. Section or column of a monthly magazine. 393,473; Feb. 17; Serial No. 445,196; published Nov. 18, 1941. Class 38.

Collins Flour Mills, Pendleton, Oreg., assignor, by mesne assignments, to Collins Flour Mills, Inc., New York, N. Y. Wheat flour. 152,136–8; renewed Feb. 21, 1942.

Collins Flour Mills, Pendleton, Oreg., assignor, by mesne assignments, to Collins Flour Mills, Inc., New York, N. Y. Wheat flour. 152,372; renewed Feb. 28, 1942.

Conservative Gas Corp., Brooklyn, N. Y. Gaseous fuel for industrial purposes for heating metals, plastics, and chemical compounds. 393,445; Feb. 17; Serial No. 442,189; published Dec. 9, 1941. Class 6.

Continental Chemical Corporation, assignor of Jas. H. Longshore, Watseka, Ill., assignor, by mesne assignments, to Car-Na-Var Corporation, Brazil, Ind. Chemical compounds for certain named uses. 149,990; renewed Dec. 27, 1941.

Corning Glass Works, Corning, N. Y. Glass baking ware. 153,430; renewed Mar. 21, 1942.

Corona Typewriter Company, Inc., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Instruction books and charts for teaching typewriting. 150,782; renewed Jan. 10, 1942.

Cuttner, William, New York, N. Y. Raw, dressed, and/or dyed and/or blended fur skins. 393,506; Feb. 17; Serial No. 446,691; published Dec. 9, 1941. Class 1.

Dairy Association Company, Inc., Lyndonville, Vt. Dilators used to promote the correct healing of injured teats on dairy cows. 393,622; Feb. 17. Class 44.

Dawson Company of Illinois, The, Chicago, Ill. Depilatory compound. 393,569; Feb. 17; Serial No. 447,797; published Dec. 2, 1941. Class 6.

Dayton Foundry, Inc., Hollydale, Calif. Gray iron and iron alloy castings and gray iron and iron alloy used for castings. 393,461; Feb. 17; Serial No. 444,491; published Nov. 25, 1941. Class 14.

De Albuquerque, Franklin Lins, Salvador, Brazil. Ouricury wax. 393,621; Feb. 17. Class 1.

Deknatel, J. A., & Son, Queens Village, N. Y. Necklaces. 393,500; Feb. 17; Serial No. 446,539; published Dec. 16, 1941. Class 28.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical emulsion for spray purposes. 393,454; Feb. 17; Serial No. 443,752; published Nov. 4, 1941. Class 6.

Diamond Egg Club, Inc., Georgetown, Del. Eggs. 393,543; Feb. 17; Serial No. 447,433; published Dec. 9, 1941. Class 46.

Dietzgen, Eugene, Co., Chicago, Ill. Drafting material and supplies for the production of drawings. 393,528; Feb. 17; Serial No. 447,230; published Dec. 16, 1941. Class 37.

Dispersion Products, Inc., Needham, Mass. Plates, trays, and dishes made of pulp with an admixture of a plastic substance. 393,429; Feb. 17; Serial No. 423,595; published Dec. 16, 1941. Class 2.

Diversey Corporation, The, Chicago, Ill. Alkaline in powdered form for neutralizing cream for use in making butter. 393,502; Feb. 17; Serial No. 446,617; published Nov. 25, 1941. Class 6.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. 154,983; renewed May 16, 1942.

Drink-Mor Beverage Company, Wilkes-Barre, Pa. Carbonated beverages. 393,515; Feb. 17; Serial No. 446,909; published Nov. 25, 1941. Class 45.

Du Pont, E. I., de Nemours and Company. (See Newport Chemical Works, Incorporated, assignor.)

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds for use as fruit sprays to prevent the premature drop of fruit. 393,570; Feb. 17; Serial No. 447,800; published Dec. 2, 1941. Class 6.

Dupuis Process, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. 393,487; Feb. 17; Serial No. 446,290; published Dec. 9, 1941. Class 28.

Eagle Lock Co., Terryville, Conn. Padlocks. 153,706–7; renewed Mar. 28, 1942.

Eagle Lock Co., Terryville, Conn. Wood screws. 153,708; renewed Mar. 28, 1942.

Eagle Lock Co., Terryville, Conn. Padlocks. 154,923; renewed May 16, 1942.

Edwards, David J., doing business as David J. Edwards Co., North Hollywood, Calif. Neutral, nontasting cream used for the purpose of ageing tobacco pipes. 393,609; Feb. 17. Class 8.

Falls City Brewing Company, Louisville, Ky. Ale. 393,516; Feb. 17; Serial No. 446,911; published Nov. 25, 1941. Class 48.

Federal Wine and Liquor Company, Jersey City, N. J. Wines. 393,477–8; Feb. 17; Serial Nos. 445,719–20; published Nov. 18, 1941. Class 47.

Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich. Publication. 393,601; Feb. 17. Class 38.

Firm Poldi Steel Corporation of America, The, as assignor of Poldina Hut, Prague and Kladno, assignor, by mesne assignments, to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia. Steel in blocks and in bars and forgings for all kinds of machines, artisans' tools, etc. 155,983–4; renewed June 13, 1942.

Fordham Tire Co., New York, N. Y. Automobile batteries. 393,606; Feb. 17. Class 21.

Formica Insulation Company, The, Cincinnati, Ohio. Electric insulating compound. 155,689; renewed June 6, 1942.

Fox, Samuel, & Co., Ltd., Stockbridge, Sheffield, England. Umbrellas, umbrella ribs, stretchers, and frames of metal. 20,632; re-renewed Jan. 26, 1942.

Freedman-Roedelheim Company, Philadelphia, Pa. Dress shirts and sport shirts. 393,541; Feb. 17; Serial No. 447,392; published Dec. 2, 1941. Class 39.

Fuel Saver Corporation, Chicago, Ill. Smoke eliminators. 393,560; Feb. 17; Serial No. 447,633; published Dec. 9, 1941. Class 34.

Galloway-West Company, Fond du Lac, Wis., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Evaporated milk. 151,769; renewed Feb. 14, 1942.

General Cigar Co., Inc., New York, N. Y. Cigars. 150,823; renewed Jan. 10, 1942.

General Cigar Co., Inc., New York, N. Y. Cigars. 153,727; renewed Mar. 28, 1942.

General Drug Company. (See Grasselli Chemical Company, assignor.)

General Foods Corporation. (See Log Cabin Products Company, assignor.)

General Foods Corporation. (See Pectin Sales Co., assignor.)

General Mills, Inc., Minneapolis, Minn. Cereal breakfast food. 393,573; Feb. 17; Serial No. 447,842; published Dec. 9, 1941. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razors. 156,264; renewed June 20, 1942.

Givaudan-Delawanna, Inc., New York, N. Y. Aromatic material used as a deodorant or odorant. 393,439; Feb. 17; Serial No. 438,940; published Feb. 18, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Preparation for the treatment and control of round worms in poultry and tonic, etc. 393,586; Feb. 17; Serial No. 448,097; published Dec. 9, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Preparation for injecting into the rectum of poultry, etc. 393,587; Feb. 17; Serial No. 448,098; published Dec. 9, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Preparation for the treatment of inflamed conditions of the intestinal tract in poultry. 393,588; Feb. 17; Serial No. 448,099; published Dec. 9, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Antiseptic preparation for the drinking water of poultry. 393,589; Feb. 17; Serial No. 448,100; published Dec. 9, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Preparation in capsule form for the treatment and removal of common types of intestinal worms which infest poultry. 393,590; Feb. 17; Serial No. 448,101; published Dec. 9, 1941. Class 6.

Gland-O-Lac Co., The, Omaha, Nebr. Preparation for the treatment of nasal types of colds in poultry. 393,591; Feb. 17; Serial No. 448,102; published Dec. 9, 1941. Class 6.

Glucksten's, Inc., New York, N. Y. Soup almonds made of dough. 393,603; Feb. 17. Class 46.

Goheen Corporation, The, Wilmington, Del., and Newark, assignor to Vita-Var Corporation, Newark, N. J. Paint. 150,383; renewed Jan. 3, 1942.

Goheen Corporation, The, Wilmington, Del. and Newark, assignor to Vita-Var Corporation, Newark, N. J. Paints and colors. 151,137; renewed Jan. 24, 1942.

Goldman, Benjamin T., St. Paul, Minn., assignor to Monroe Chemical Company, Quincy, Ill. Hair dyes, hair color restorers, and hair tonics. 155,696; renewed June 6, 1942.

Goodman, Abraham, doing business as Timely Publications, assignor to Timely Comics, Inc., New York, N. Y. Comic strip series. 393,440; Feb. 17; Serial No. 439,088; published Nov. 25, 1941. Class 38.

Goodman and Company, Indianapolis, Ind. Finger rings, necklaces, bracelets, etc. 393,532; Feb. 17; Serial No. 447,287; published Dec. 16, 1941. Class 28.

Good News Beverage Co., St. Louis, Mo. Carbonated beverages. 393,512; Feb. 17; Serial No. 446,836; published Nov. 25, 1941. Class 45.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Bicycles. 393,525; Feb. 17; Serial No. 447,206; published Dec. 9, 1941. Class 19.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Rubber cement, gasket and rim cement, rubber putty, rubber to metal cement, etc. 393,533; Feb. 17; Serial No. 447,289; published Dec. 9, 1941. Class 5.

Gordon Metal Company, Richmond, Va. Iron, steel, copper, lead, tin, zinc, and tin plate. 393,480; Feb. 17; Serial No. 445,832; published Dec. 9, 1941. Class 14.

Gorga, A. & A., Inc., New York, N. Y. Skin ointment. 393,583; Feb. 17; Serial No. 448,047; published Dec. 2, 1941. Class 6.

Grant Advertising, Inc., Dallas, Tex. Radio scripts. 393,467; Feb. 17; Serial No. 444,671; published Dec. 2, 1941. Class 38.

Grasselli Chemical Company, The, Cleveland, Ohio, assignor, by mesne assignments, to General Drug Company, New York, N. Y. Antiseptics, disinfectants, fungicides, and insecticides. 156,276; renewed June 20, 1942.

Gray, Julia C., Washington, D. C. Doll. 393,596; Feb. 17. Class 22.

Greater New York Brewery, Inc., The, New York, N. Y. Beer, ale, and porter. 393,608; Feb. 17. Class 48.

Greenfelder, Francis J., West New York, N. J. Racing articles and comment appearing in newspapers and periodicals. 393,469; Feb. 17; Serial No. 444,793; published Nov. 18, 1941. Class 38.

Greenlay, Wilbur G., Saugus, Mass. Pigeon-proofing compositions for buildings. 393,481; Feb. 17; Serial No. 445,935; published Nov. 25, 1941. Class 6.

Gussow, Max, Inc., New York, N. Y. Ladies' undergarments—namely, nightgowns, pajamas, slips, etc. 393,539; Feb. 17; Serial No. 447,375; published Dec. 9, 1941. Class 39.

Hanes, P. H., Knitting Co., Winston-Salem, N. C. One, two, and three piece undergarments of knitted or woven material. 155,702; renewed June 6, 1942.

Hart Drug Corporation, Miami, Fla. Sulfathiazole ointment. 393,554; Feb. 17; Serial No. 447,566; published Nov. 25, 1941. Class 6.

Havens, Arthur R., doing business as Safety Shield Mfg. Co., Fort Wayne, Ind. Celiophane frost shields for vehicle bodies. 393,610; Feb. 17. Class 19.

Hecht, George J., doing business as Children's Products Company, New York, N. Y. Costume jewelry. 393,529; Feb. 17; Serial No. 447,235; published Dec. 9, 1941. Class 28.

Hecker Products Corporation, New York, N. Y. Scripts for radio broadcasts issued from time to time. 393,474; Feb. 17; Serial No. 445,464; published Nov. 18, 1941. Class 38.

Hed Kleer Tobacco Co. Inc., Buffalo, N. Y. Cigarettes 393,602; Feb. 17. Class 17.

Heublein, G. F., & Bro., Hartford, Conn. Gin, cocktails and cordials. 393,459; Feb. 17; Serial No. 444,182; published Dec. 2, 1941. Class 49.

Hewitt Bros. Soap Company, The, Dayton, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. A laundry and clothes-washing preparation. 150,843; renewed Jan. 10, 1942.

Hiroto, James T., doing business as I. Hiroto & Son, Coachella, Calif. Fresh vegetables. 393,497; Feb. 17; Serial No. 446,498; published Dec. 9, 1941. Class 46.

Hollywood Fashions, Los Angeles, Calif. Ladies' outer garments—namely, coats, suits, jackets, etc. 393,470; Feb. 17; Serial No. 445,013; published Dec. 2, 1941. Class 39.

Hopkins, Thornton, Nashville, Tenn. Boiler compound. 156,441; renewed June 20, 1942.

Hubinger Company, The, Keokuk, Iowa. Corn syrup and cornstarch. 393,521; Feb. 17; Serial No. 447,137; published Dec. 9, 1941. Class 46.

Inkograph Co., Inc., New York, N. Y. Pencils. 156,306; renewed June 20, 1942.

International Paint Company, Inc., New York, N. Y. Deck paints in ready-mixed form. 393,536; Feb. 17; Serial No. 447,334; published Dec. 9, 1941. Class 16.

International Salt Company, Inc., Scranton, Pa. Rock salt for the removal of ice from highways, sidewalks, and the like. 393,482; Feb. 17; Serial No. 445,943; published Nov. 25, 1941. Class 6.

Isaak, Albert F., Cedar Rapids, Iowa. Garment hangers. 393,498; Feb. 17; Serial No. 446,520; published Dec. 9, 1941. Class 50.

Jayne, Dr. D. & Son, Inc., Philadelphia, Pa. Medicinal preparations indicated in and for the treatment of pin worms. 393,522; Feb. 17; Serial No. 447,139; published Dec. 9, 1941. Class 6.

Jelenko & Co. Inc. (See Kaye, Nathan, assignor.)

Jewel Tea Co., Inc., also doing business as Jewel Food Stores, Chicago, Ill. Scouring cleanser. 393,571; Feb. 17; Serial No. 447,809; published Dec. 2, 1941. Class 4.

Jonas, Juliet J., New York, N. Y. Ladies' hats and gowns. 156,314; renewed June 20, 1942.

Kahn's, E., Sons Company, The, Cincinnati, Ohio. Meats, and meat products—namely, bacon. 393,434; Feb. 17; Serial No. 436,933; published Dec. 9, 1941. Class 46.

Kay, Gloria, doing business as Kayden Sales Co., Youngstown, Ohio. Preparation in powder form and to be dissolved in water for ladies' hosiery and underwear. 393,597; Feb. 17. Class 6.

Kayden Sales Co. (See Kay, Gloria.)

Kaye, Nathan, assignor to J. F. Jelenko & Co. Inc., New York, N. Y. Dental impression wax. 393,607; Feb. 17. Class 44.

Kaylon, Inc., New York, N. Y. Pajamas and nightgowns and night shirts. 393,526; Feb. 17; Serial No. 447,210; published Dec. 2, 1941. Class 39.

Kelley, Walter T., Co., The, Paducah and Lone Oak, Ky. Wire bee-comb foundations. 393,623; Feb. 17. Class 50.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Drying oils and specifically a modified linseed oil useful in paints and varnishes. 393,468; Feb. 17; Serial No. 444,772; published Dec. 9, 1941. Class 16.

Kinnucan, Walter F., doing business as Letter Fly Company, Chicago, Ill. Mailing envelopes and stickers made of paper. 393,433; Feb. 17; Serial No. 435,548; published Dec. 9, 1941. Class 37.

Kirk, James S., & Company, Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 152,444; renewed Feb. 28, 1942.

Knipp, Joseph P., Long Beach, Calif. Signalling appliances. 393,599; Feb. 17. Class 21.

Knox Company, The, Los Angeles, Calif. Medicinal preparations indicated for use as a general tonic, hepatic stimulant, etc. 393,592; Feb. 17; Serial No. 448,103; published Dec. 2, 1941. Class 6.

Kress, S. H., and Company. (See Samstag & Hilder Bros., assignor.)

Lakeside Laboratories, Inc., The, Milwaukee, Wis. Various drugs and pharmaceuticals for human use, etc. 393,572; Feb. 17; Serial No. 447,812; published Dec. 2, 1941. Class 6.

Lerman Brothers, Washington, D. C. Canned and packaged frozen food products—namely, fruits, vegetables, fish, etc. 393,604; Feb. 17. Class 46.

Letter Fly Company. (See Kinnucan, Walter F.)

Linton Pencil Company, assignor to Linton Pencil Company, Lewisburg, Tenn. Mechanical pencils, leads, wood case pencils, fountain pencils, etc. 393,458; Feb. 17; Serial No. 444,155; published Dec. 16, 1941. Class 37.

Liquid Carbonic Corporation, The, Chicago, Ill. Acetylene and oxygen gas, also nitrous oxide gas, hydrogen gas, ethylene gas, carbon dioxide gas. 393,578; Feb. 17; Serial No. 447,948; published Dec. 2, 1941. Class 6.

Little Giant Vaporizer Company, Oklahoma City, Okla. Power driven air humidifying units and water vaporizing units, etc. 393,561; Feb. 17; Serial No. 447,635; published Dec. 16, 1941. Class 34.

Log Cabin Products Company, The, St. Paul, Minn., assignor to General Foods Corporation, New York, N. Y. Sirups for table purposes. 150,453; renewed Jan. 3, 1942.

Longshore, Jas. H. (See Continental Chemical Corporation, assignor.)

Lottman, C. F., & Sons, Houston, Tex. Mattresses. 155,752; renewed June 6, 1942.

Lowe, E. S., Company, Inc., New York, N. Y. Pads used to play the game of bingo. 393,488–9; Feb. 17; Serial Nos. 446,298–9; published Dec. 16, 1941. Class 22.

LubriKup Company. (See Williamsport Development Company.)

Luden, William H., assignor, by mesne assignments, to Luden's, Inc., Reading, Pa. Menthol cough drops. 150,455; renewed Jan. 3, 1942.

Lyons, Daniel J., St. Louis, Mo. Rubbing stimulant preparation. 393,514; Feb. 17; Serial No. 446,883; published Dec. 2, 1941. Class 6.

M. C. Laboratories, Inc., Coffeyville, Kans. Chemically treated pads for treatment of chiggers, mosquitoes, and other insect bites, etc. 393,544; Feb. 17; Serial No. 447,444; published Nov. 25, 1941. Class 6.

Maldehyde Chemical Co. (See Pfeiffer, S., Mfg. Co.)

Malt-Diastase Company, New York, to Malt-Diastase Company, Brooklyn, N. Y. Concentrated liquid malt extracts. 151,185; renewed Jan. 24, 1942.

Marioness & Co., Inc., New York, N. Y. Combination wallets and change purses. 393,581; Feb. 17; Serial No. 447,984; published Dec. 16, 1941. Class 3.

Marshall Field. (See Newspaper PM, Inc.)

Mathieson Alkali Works, (Inc.), The, New York, N. Y. Soda ash, bicarbonate of soda, Virginia soda, caustic soda, etc. 155,483; renewed May 30, 1942.

Maybelline Co., Chicago, Ill. Mascara, eyebrow pencils, eye shadow, eyelash and eyebrow cream, eye drops. 393,492; Feb. 17; Serial No. 446,328; published Dec. 2, 1941. Class 6.

McDowall, A. P., & Co. (Distillers) Limited, Glasgow, Scotland. Whisky. 393,432; Feb. 17; Serial No. 435,366; published Nov. 25, 1941. Class 49.

McLoughlin Bros., Inc., Springfield, Mass. Cut-out books. 393,430; Feb. 17; Serial No. 434,656; published Nov. 25, 1941. Class 38.

Mechanical Fabric Company, Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Card cloth. 20,538; re-renewed Jan. 5, 1942.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Laxative, antipyretic and analgesic preparation. 393,548; Feb. 17; Serial No. 447,465; published Dec. 2, 1941. Class 6.

Metol Co. Inc., Brooklyn, N. Y. Preparation for the prevention and treatment of flukes for sheep, cattle, etc. 393,519; Feb. 17; Serial No. 447,070; published Nov. 25, 1941. Class 6.

Metro Coat & Suit Co., Inc., New York, N. Y. Women's cloth coats. 393,558; Feb. 17; Serial No. 447,596; published Dec. 9, 1941. Class 39.

Molitor Drug Company, St. Cloud, Minn. Insecticides. 393,562; Feb. 17; Serial No. 447,665; published Dec. 9, 1941. Class 6.

Monroe Chemical Company. (See Goldman, Benjamin T., assignor.)

Montanin Company, Inc., New York, N. Y. Antiseptics, fungicides, and disinfectants. 393,428; Feb. 17; Serial No. 417,096; published Sept. 16, 1941. Class 6.

Moore, Edward J., Sons, Inc., doing business as Sanger & Co., Long Island City, N. Y. Preventative for venereal diseases. 393,476; Feb. 17; Serial No. 445,665; published Nov. 25, 1941. Class 6.

Moyer, J. Bird, Company, Inc., The, Philadelphia, Pa. Holding powder for dental plates. 393,579; Feb. 17; Serial No. 447,949; published Dec. 2, 1941. Class 6.

Munising Paper Company, The, Munising, Mich., and Chicago, Ill. Wrapping paper, consisting of an asphalt sheet. 393,624; Feb. 17. Class 37.

Musical Fairy Tales, Inc., New York, N. Y. Books of dramatico-musical compositions. 393,612; Feb. 17. Class 38.

Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. 393,448; Feb. 17; Serial No. 442,718; published July 29, 1941. Class 47.

National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs, certified food colors and intermediates. 150,489; renewed Jan. 3, 1942.

National Grape Corporation, New York and Brocton, N. Y. Non-alcoholic, maltless beverages and syrups and extracts for making same. 393,510; Feb. 17; Serial No. 446,807; published Nov. 25, 1941. Class 45.

National Plastics, Inc., Cleveland, Ohio. Escutcheons for electrical switches. 393,600; Feb. 17. Class 21.

Neville Company, The, Pittsburgh, Pa. Liquid hydrocarbon solvents. 393,504; Feb. 17; Serial No. 446,661; published Nov. 25, 1941. Class 6.

Newport Chemical Works, Incorporated, Passaic, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Dyes. 150,027; renewed Dec. 27, 1941.

Newspaper PM, Inc., The, New York, assignor to Marshall Field, Lloyd's Neck, N. Y. Daily newspaper. 393,490; Feb. 17; Serial No. 446,301; published Dec. 9, 1941. Class 38.

Newspaper PM, Inc., The, New York, assignor to Marshall Field, Lloyd's Neck, N. Y. Cartoon panel in a daily newspaper. 393,507; Feb. 17; Serial No. 446,706; published Nov. 25, 1941. Class 38.

New York Make-Up Corporation, New York, N. Y. Face powders, facial creams, rouges and lipsticks, etc. 393,537–8; Feb. 17; Serial Nos. 447,344–5; published Nov. 25, 1941. Class 6.

Noonan, T., & Sons Company, Boston, Mass. Hair tonic. 150,498; renewed Jan. 3, 1942.

Norsal Laboratories Incorporated, Abbeville, La. Vitamin preparation in capsule form. 393,565; Feb. 17; Serial No. 447,757; published Dec. 2, 1941. Class 6.

North & Pfeiffer Manufacturing Co., The, Hartford, Conn., and Providence, R. I. Hobnails, shoe spikes, and shoe calks. 393,531; Feb. 17; Serial No. 447,269; published Dec. 9, 1941. Class 13.

Northwestern Mail Box Co., St. Louis, Mo. Toys. 393,566; Feb. 17; Serial No. 447,758; published Dec. 9, 1941. Class 22.

Nyanza Color & Chemical Co., Inc., New York, N. Y. Moth preventive and minimizer in solid form. 156,378; renewed June 20, 1942.

Ohio-Apex, Inc., Nitro, W. Va. Diethoxy ethyl phthalate. 393,463; Feb. 17; Serial No. 444,603; published Nov. 25, 1941. Class 6.

Ohio-Apex, Inc., Nitro, W. Va. Dibutoxy ethyl phthalate. 393,464; Feb. 17; Serial No. 444,605; published Nov. 25, 1941. Class 6.

Ohio-Apex, Inc., Nitro, W. Va. Dimethoxy ethyl phthalate. 393,465; Feb. 17; Serial No. 444,606; published Nov. 25, 1941. Class 6.

Oil Lift Supply Company, Greggton, Tex. Gas lift flow valves, gas line regulators and surface intermitting regulators. 393,486; Feb. 17; Serial No. 446,238; published Dec. 16, 1941. Class 13.

Osterbauer, Edwin J., doing business as The Oster-Bauer Shop, Rockford, Ill. Salt and pepper servers. 393,457; Feb. 17; Serial No. 444,050; published Sept. 9, 1941. Class 2.

Otarion, Inc., Chicago, Ill. Hearing-aid devices or instruments. 393,540; Feb. 17; Serial No. 447,378; published Dec. 9, 1941. Class 44.

Oxford Dress Company, Boston, Mass. Dresses. 393,613; Feb. 17. Class 39.

Patch, E. L., Company, The, Stoneham, Mass. Medicinal preparations for external application in the relief of discomfort in minor skin, rectal, and vaginal irritations. 393,576; Feb. 17; Serial No. 447,888; published Dec. 2, 1941. Class 6.

Pectin Sales Co., Inc., Rochester, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Concentrated fruit pectin. 152,479; renewed Feb. 28, 1942.

Pectin Sales Co., Inc., Rochester, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Concentrated fruit pectin. 152,937; renewed Mar. 7, 1942.

Penetro Chemical Company, Atlantic City, N. J., and Philadelphia, Pa., assignor to Plough, Inc., Memphis, Tenn. Mouth wash. 151,573; renewed Feb. 7, 1942.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pillows. 393,594; Feb. 17; Serial No. 448,333; published Dec. 9, 1941. Class 32.

Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Hydrogen peroxide. 393,614; Feb. 17. Class 6.

Perfect Garment Company, Baltimore, Md. Women's, misses', junior misses' and children's outer garments—namely, one and two piece dresses, etc. 393,545; Feb. 17; Serial No. 447,445; published Dec. 9, 1941. Class 39.

Perfect Manufacturing Co., The, doing business as So-Lo Works, Cincinnati, Ohio. Metallic plastic mending and patching composition in the nature of solder. 393,493; Feb. 17; Serial No. 446,334; published Dec. 9, 1941. Class 14.

Pfeiffer, S., Mfg. Co., doing business as Maldehyde Chemical Co., St. Louis, Mo. Medicinal products and preparations. 393,443; Feb. 17; Serial No. 440,263; published Apr. 15, 1941. Class 6.

Pharma-Craft Corporation, The, Louisville, Ky. Deodorant and non-perspirant. 393,431; Feb. 17; Serial No. 435,062; published Oct. 22, 1940. Class 6.

Phillips, Alfred N., Jr., Darien, Conn. Column or section of a newspaper and printed copies of lectures. 393,452; Feb. 17; Serial No. 443,371; published Dec. 2, 1941. Class 38.

Platt, Tandy W., Chicago, Ill. Rug shampoo. 393,567; Feb. 17; Serial No. 447,762; published Dec. 2, 1941. Class 4.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 393,427; Feb. 17; Serial No. 409,589; published Dec. 9, 1941. Class 46.

Plough, Inc. (See Penetro Chemical Company, assignor.)

Poldi Steel Corporation of America, New York, N. Y., assignor to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia. Steel billets, bars, forgings, and disks. 152,952; renewed Mar. 7, 1942.

Poldihütte Aktiengesellschaft. (See Firm Poldi Steel Corporation of America.)

Poldihütte Aktiengesellschaft. (See Poldi Steel Corporation of America, assignor.)

Polinda Hut. (See Firm Poldi Steel Corporation of America, assignor.)

Powder Metallurgy Inc., New York and Long Island City, N. Y. Stampings, forgings, moldings, etc. 393,442; Feb. 17; Serial No. 439,876; published Nov. 25, 1941. Class 14.

Pratt Food Company, Philadelphia, Pa. Veterinary vermifuge. 393,577; Feb. 17; Serial No. 447,916; published Dec. 2, 1941. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 155,801; renewed June 6, 1942.

Procter & Gamble Company. (See Kirk, James S., & Company, assignor.)

Prosperity California Wines. (See Mutascio, Joseph.)

Purity Drug Co., Inc., Passaic, N. J., also doing business as Purity Vitamin Company, New York, N. Y. Vitamins in capsule and tablet form. 393,546; Feb. 17; Serial No. 447,446; published Dec. 9, 1941. Class 6.

Relco Drug Co., Inc., Brooklyn, N. Y. Hair dressing pomades. 393,509; Feb. 17; Serial No. 446,761; published Dec. 9, 1941. Class 6.

Revere Knitting Mills, Inc., Malden, Mass. Men's and boys' sweaters. 393,555; Feb. 17; Serial No. 447,574; published Dec. 9, 1941. Class 39.

Rich Art Color Company, Inc., New York, N. Y. Artists' materials. 393,605; Feb. 17. Class 16.

Richardson Corporation, Rochester, N. Y. Root beer, soft drinks, syrups, etc. 393,549; Feb. 17; Serial No. 447,489; published Nov. 25, 1941. Class 45.

Ridgefield Chemical Co. Inc., New York, N. Y. Preparation used in the treatment of athlete's foot. 393,450; Feb. 17; Serial No. 443,055; published Nov. 25, 1941. Class 6.

Rikles, Morris, New York, N. Y. Finger rings. 393,547; Feb. 17; Serial No. 447,448; published Dec. 16, 1941. Class 28.

Riverbank Wine Company. (See Zerillo, Lorenzo.)

Rosenthal Manufacturing Company, Inc., New York, N. Y. Men's suits, overcoats, sport and top coats, full dress suits, and tuxedos. 393,501; Feb. 17; Serial No. 446,592; published Dec. 9, 1941. Class 39.

Safety Shield Mfg. Co. (See Havens, Arthur R.)

Saks, Karl, doing business as Karl Saks and Associates, Chicago, Ill. Game boards. 393,530; Feb. 17; Serial No. 447,253; published Dec. 9, 1941. Class 22.

Sales Affiliates, Inc., New York, N. Y. Hair treating preparations including hair washing articles, hair oils, oil shampoo tints, etc. 393,494; Feb. 17; Serial No. 446,439; published Dec. 2, 1941. Class 6.

Samstag & Hilder Bros., assignor, by mesne assignments, to S. H. Kress and Company, New York, N. Y. Hair nets. 154,379; renewed Apr. 11, 1942.

Sanborn, Geo. W., & Sons, Astoria, Oreg., assignor, by mesne assignments, to Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 152,494; renewed Feb. 28, 1942.

Sanger & Co. (See Moore, Edward J., Sons, Inc.)

Sasser, Nancy, assignor to Nancy Sasser, Incorporated, New York, N. Y. Newspaper column of special interest published periodically. 393,556; Feb. 17; Serial No. 447,576; published Dec. 9, 1941. Class 38.

Schenley Import Corporation, New York, N. Y. Wines. 393,563; Feb. 17; Serial No. 447,673; published Dec. 2, 1941. Class 47.

Schollhorn, Wm., Co., The, to The Wm. Schollhorn Company, New Haven, Conn. Eyelet punches. 156,050; renewed June 13, 1942.

Seaman Paper Company, Chicago, Ill. Artificial leather upholstery material. 393,517; Feb. 17; Serial No. 447,033; published Dec. 16, 1941. Class 50.

Sebastiani Wineries, Inc., New York, N. Y. Wines. 393,495; Feb. 17; Serial No. 446,467; published Nov. 18, 1941. Class 47.

Seven Mills, Inc. (See Whitehead Hosiery Mills, Inc., assignor.)

Shapleigh Hardware Company, St. Louis, Mo. Ice skates. 151,231; renewed Jan. 24, 1942.

Shellmar Products Company, Mount Vernon, Ohio. Laminated wrappers. 393,535; Feb. 17; Serial No. 447,314; published Dec. 16, 1941. Class 37.

Sherman Paper Products Corporation, Newton, Mass. Paper for wrapping sheet metal parts. 393,553; Feb. 17; Serial No. 447,548; published Dec. 16, 1941. Class 37.

Simmons Company, New York, N. Y. Mattresses. 393,441; Feb. 17; Serial No. 439,301; published Dec. 16, 1941. Class 32.

Smith, L. C., & Corona Typewriters, Inc. (See Corona Typewriter Company, assignor.)

So-Lo Works. (See Perfect Manufacturing Co.)

South Coast Corporation, The, New Orleans, La. Table syrup. 393,550; Feb. 17; Serial No. 447,493; published Dec. 9, 1941. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Corn syrup. 393,534; Feb. 17; Serial No. 447,295; published Dec. 9, 1941. Class 46.

Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Varnish, driers, lacquer, filler, enamel, shellac, and finish. 151,361; renewed Jan. 31, 1942.

Stegmaier Brewing Company, Wilkes-Barre, Pa. Fermented beverage brewed from malt and other cereals and hops. 393,551; Feb. 17; Serial No. 447,497; published Dec. 2, 1941. Class 48.

Stegmaier Brewing Company, Wilkes-Barre, Pa. Fermented beverage brewed from malt and other cereals and hops. 393,552; Feb. 17; Serial No. 447,498; published Dec. 9, 1941. Class 48.

Stephens, Paul M., Ashland, Mo. Hinges. 393,475; Feb. 17; Serial No. 445,643; published Dec. 9, 1941. Class 13.

Stor-Aid, Inc., New York, N. Y. Storage cabinets. 393,584; Feb. 17; Serial No. 448,066; published Dec. 16, 1941. Class 32.

Strohmeyer & Arpe Company, New York, N. Y. Vegetable oil and mayonnaise and salad oil. 151,959; renewed Feb. 14, 1942.

Superior Type Company, The, Chicago, Ill. Rubber stamps, type, type holders, and printing outfits. 393,447; Feb. 17; Serial No. 442,576; published Dec. 16, 1941. Class 37.

Swan-Myers Co., Indianapolis, Ind., assignor, by mesne assignments, to Abbott Laboratories, North Chicago, Ill. Medicinal preparations, calcium ortho-benzyl-oxybenzoate. 155,540; renewed May 30, 1942.

Tasdelite Products, Inc., Washington, D. C. Seasoned popcorn and candied popcorn and creamed popped corn confections. 393,444; Feb. 17; Serial No. 441,714; published Dec. 9, 1941. Class 46.

Telecast Productions, Inc., New York, N. Y. Publication issued quarterly relating to matters of interest in television programs. 393,499; Feb. 17; Serial No. 446,537; published Nov. 18, 1941. Class 38.

Thompson's Spa, to Thompson's Spa, Inc., Boston, Mass., successor. Cigars, cigarettes, and pipe and chewing tobacco. 150,936; renewed Jan. 10, 1942.

Thomson Company, Thomson, Ga. Shirts, pants, and slack combinations. 393,508; Feb. 17; Serial No. 446,711; published Dec. 2, 1941. Class 39.

Timely Clothes, Incorporated, Rochester, N. Y. Men's summerweight suits. 393,564; Feb. 17; Serial No. 447,714; published Dec. 9, 1941. Class 39.

Timely Publications. (See Goodman, Abraham.)

Torbensen, Ethel, Cleveland, Ohio. Cuticle cream. 393,582; Feb. 17; Serial No. 448,018; published Dec. 2, 1941. Class 6.

Tower Brand Yarn Corp., New York, N. Y. Yarn. 393,455; Feb. 17; Serial No. 443,767; published Dec. 9, 1941. Class 43.

Triangle Publications, Inc., Philadelphia, Pa. Weekly magazine. 393,617; Feb. 17. Class 38.

Tuco Work Shops, Incorporated, The, Lockport, N. Y. Picture puzzle games. 393,479; Feb. 17; Serial No. 445,759; published Dec. 16, 1941. Class 22.

Turco Products, Inc., Los Angeles, Calif. Detergent cleaning compound for general use. 393,438; Feb. 17; Serial No. 438,187; published Jan. 7, 1941. Class 4

Union Food Products, Inc., Brooklyn, N. Y. Pea soup. 393,611; Feb. 17. Class 46.

United Cigar-Whelan Stores Corporation, New York, N. Y. Pipes. 393,615; Feb. 17. Class 8.

United Cigar-Whelan Stores Corporation, New York, N. Y. Cigarettes. 393,616; Feb. 17. Class 17.

U. S. A. Comic Magazine Corp., New York, N. Y. Comic magazine. 393,513; Feb. 17; Serial No. 446,848; published Nov. 25, 1941. Class 38.

United States Graphite Company, The, Saginaw, Mich. Fire extinguishing material in powdered or granular form. 393,568; Feb. 17; Serial No. 447,773; published Nov. 25, 1941. Class 6.

United States Rubber Company. (See Mechanical Fabric Company, assignor.)
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation for the treatment of disorders in calcium and phosphorus metabolism. 393,580; Feb. 17; Serial No. 447,963; published Dec. 2, 1941. Class 6.
Van Eman, Edgar K., doing business as Edgar K. Van Eman Co., Tulsa, Okla. Chemical preparation for ignition waterproofing. 393,523; Feb. 17; Serial No. 447,174; published Dec. 9, 1941. Class 6.
Vita-War Corporation. (See Goheen Corporation, assignor.)
Vivaudou, Jean, Co., Inc., New York, N. Y. Powders adapted for application to the human body including face powders, body powders, etc. 393,511; Feb. 17; Serial No. 446,821; published Nov. 25, 1941. Class 6.
Wham Products Corp., New York, N. Y. Drain pipe cleaner, boiler liquid, chemical for removing rust and stopping leaks in boilers, etc. 393,456; Feb. 17; Serial No. 443,789; published Nov. 25, 1941. Class 6.
Whitehall Pharmacal, Inc., Jersey City, N. J. Analgesic tablets. 393,574; Feb. 17; Serial No. 447,855; published Nov. 25, 1941. Class 6.
Whitehead Hosiery Mills, Inc., assignor, by mesne assignments, to Seven Point Hosiery, Inc., Burlington, N. C. Hosiery. 154,737; renewed Apr. 18, 1942.
Whiting & Davis Company, Incorporated, Plainville, Mass. Mesh bags comprised wholly or in part of precious metal. 155,562; renewed May 30, 1942.
Whiting-Mead Commercial Co., assignor to Whiting-Mead Company, Los Angeles, Calif. Plumbing supplies. 149,548; renewed Dec. 13, 1941.
Wilbert Products Co., The, New York, N. Y. Ammonia and javelle water. 156,470; renewed June 20, 1942.
Williamsport Development Company, Williamsport, Pa., by change of name to Lubri-Kup Company. Composition packing composed of canvas and rubber. 156,471; renewed June 20, 1942.
Wilson-Jones Company, Chicago, Ill. Notebooks, memorandum books, and refills therefor. 393,557; Feb. 17; Serial No. 447,578; published Dec. 16, 1941. Class 37.
Winthrop Chemical Company, Inc., New York, N. Y. Ethyl esters of chaulmoogra oil. 155,565; renewed May 30, 1942.
Winthrop Chemical Company, Inc., New York, N. Y. Sedative and hypnotic. 155,871; renewed June 6, 1942.
Winthrop Chemical Company, Inc., New York, N. Y. Absorbent, alterative, and analgesic preparations, anesthetics, etc. 393,625; Feb. 17. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Preparation of calcium pantothenate for vitamin therapy. 393,575; Feb. 17; Serial No. 447,858; published Nov. 25, 1941. Class 6.
Wolff, Walter S., Harrison, N. Y. Headache and other pain relief tablet. 393,503; Feb. 17; Serial No. 446,642; published Dec. 2, 1941. Class 6.
Wolfson, Louis C., New York, N. Y. Synthetic plastic adhesive in stick form. 393,520; Feb. 17; Serial No. 447,087; published Dec. 16, 1941. Class 5.
Yale & Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Company, New York, N. Y. Automotive trucks and trailers. 156,478; renewed June 20, 1942.
Zellerbach Paper Company, San Francisco, Calif. Wax treated wrapping paper. 393,460; Feb. 17; Serial No. 444,293; published Dec. 16, 1941. Class 37.
Zerillo, Lorenzo, doing business as Riverbank Wine Company, Riverbank, Calif. Wines. 393,559; Feb. 17; Serial No. 447,603; published Dec. 2, 1941. Class 47.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Charcoal. Charcoal Industries, Inc. 393,485; Feb. 17; Serial No. 446,227; published Dec. 16, 1941.
Fur skins, Raw, dressed, and/or dyed and/or blended. W. Cuttner. 393,506; Feb. 17; Serial No. 446,691; published Dec. 9, 1941.
Seed corn. A. A. Arens. 393,524; Feb. 17. Serial No. 447,198; published Dec. 16, 1941.
Wax, Ouricury. F. L. de Albuquerque. 393,621; Feb. 17.

CLASS 2

Plates, trays, and dishes. Dispersion Products, Inc. 393,429; Feb. 17; Serial No. 423,595; published Dec. 16, 1941.
Salt and pepper servers. E. J. Osterbauer. 393,457; Feb. 17; Serial No. 444,050; published Sept. 9, 1941.

CLASS 3

Wallets and change purses, Combination. Marioness & Co. 393,581; Feb. 17; Serial No. 447,984; published Dec. 16, 1941.

CLASS 4

Cleanser for washing dishes, glassware, furniture, etc. Blue Dew Corporation. 393,484; Feb. 17; Serial No. 446,040; published Dec. 2, 1941.
Cleanser, Scouring. Jewel Tea Co. 393,571; Feb. 17; Serial No. 447,809; published Dec. 2, 1941.
Detergent cleaning compound. Turco Products, Inc. 393,438; Feb. 17; Serial No. 438,187; published Jan. 7, 1941.
Laundry and clothes-washing preparation. Hewitt Bros. Soap Company. 150,843; renewed Jan. 10, 1942.
Oils for softening and preserving all kinds of leather. J. H. Baker. 152,677; renewed Mar. 7, 1942.
Shampoo, Rug. T. W. Platt. 393,567; Feb. 17; Serial No. 447,762; published Dec. 2, 1941.
Soap. James S. Kirk & Company. 152,444; renewed Feb. 28, 1942.
Soap. Procter & Gamble Company. 155,801; renewed June 6, 1942.

CLASS 5

Adhesive in stick form, Synthetic plastic. L. C. Wolfson. 393,520; Feb. 17; Serial No. 447,087; published Dec. 16, 1941.
Rubber cement, gasket and rim cement, putty, etc. B. F. Goodrich Company. 393,533; Feb. 17. Serial No. 447,289; published Dec. 9, 1941.

CLASS 6

Absorbent, alterative and analgesic preparations, etc. Winthrop Chemical Company. 393,625; Feb. 17.
Acetylene and oxygen gas, also nitrous oxide gas, hydrogen gas, etc. Liquid Carbonic Corporation. 393,578; Feb. 17; Serial No. 447,948; published Dec. 2, 1941.
Alkaline in powdered form for neutralizing cream for use in making butter. Diversey Corporation. 393,502; Feb. 17; Serial No. 446,617; published Nov. 25, 1941.
Ammonia and javelle water. Wilbert Products Co. 156,470; renewed June 20, 1942.
Analgesic tablets. Whitehall Pharmacal, Inc. 393,574; Feb. 17. Serial No. 447,855; published Nov. 25, 1941.
Antirheumatic, analgesic, and antipyretic. Bayer Company. 156,174; renewed June 20, 1942.
Antiseptic preparation. Gland-O-Lac Co. 393,589; Feb. 17; Serial No. 448,100; published Dec. 9, 1941.
Antiseptics, disinfectants, fungicides, and insecticides. Grasselli Chemical Company. 156,276; renewed June 20, 1942.
Aromatic material used as a deodorant or odorant. Givaudan-Delawanna, Inc. 393,439; Feb. 17; Serial No. 438,940; published Feb. 18, 1941.
Antiseptics, fungicides, and disinfectants. Montanin Company. 393,428; Feb. 17; Serial No. 417,096; published Sept. 16, 1941.
Bleaching fluid. Chlorine Solutions, Inc. 393,451; Feb. 17; Serial No. 443,184; published June 24, 1941.
Boiler compound. T. Hopkins. 156,441; renewed June 20, 1942.
Chemical compounds. Continental Chemical Corporation. 149,990; renewed Dec. 27, 1941.
Chemical compounds for use as fruit sprays. E. I. du Pont de Nemours and Company. 393,570; Feb. 17; Serial No. 447,800; published Dec. 2, 1941.
Chemical emulsion for spray purposes. Destruxol Corporation, Ltd. 393,454; Feb. 17; Serial No. 443,752; published Nov. 4, 1941.
Chemical preparation. E. K. Van Eman. 393,523; Feb. 17; Serial No. 447,174; published Dec. 9, 1941.
Chemical preparations. Philip Carey Manufacturing Company. 150,520; renewed Jan. 3, 1942.
Chemically treated pads for treatment of chiggers, mosquitoes, and other insect bites. M. C. Laboratories, Inc. 393,544; Feb. 17; Serial No. 447,444; published Nov. 25, 1941.
Cleaner, boiler liquid, chemical for removing rust and stopping leaks in boilers, etc., Drain pipe. Wham Products Corp. 393,456; Feb. 17; Serial No. 443,789; published Nov. 25, 1941.
Colors, Textile. Aridye Corporation. 393,593; Feb. 17; Serial No. 448,126; published Dec. 2, 1941.
Cough drops, Menthol. W. H. Luden. 150,455; renewed Jan. 3, 1942.
Cream, Cuticle. E. Torbensen. 393,582; Feb. 17; Serial No. 448,018; published Dec. 2, 1941.
Deodorant and non-perspirant. Pharma-Craft Corporation. 393,431; Feb. 17; Serial No. 435,062; published Oct. 22, 1940.
Depilatory compound. Dawson Company of Illinois. 393,569; Feb. 17; Serial No. 447,797; published Dec. 2, 1941.
Dibutoxy ethyl phthalate. Ohio-Apex, Inc. 393,464; Feb. 17; Serial No. 444,605; published Nov. 25, 1941.
Diethoxy ethyl phthalate. Ohio-Apex, Inc. 393,463; Feb. 17; Serial No. 444,603; published Nov. 25, 1941.
Dimethoxy ethyl phthalate. Ohio-Apex, Inc. 393,465; Feb. 17; Serial No. 444,606; published Nov. 25, 1941.
Drugs and pharmaceuticals for human use, etc. Lakeside Laboratories, Inc. 393,572; Feb. 17; Serial No. 447,812; published Dec. 2, 1941.

Dyes. Newport Chemical Works, Incorporated. 150,027; renewed Dec. 27, 1941.
Dyes, hair color restorers, and hair tonics, Hair. B. T. Goldman. 155,696; renewed June 6, 1942.
Dyestuffs, certified food colors and intermediates. National Aniline & Chemical Company. 150,489; renewed Jan. 3, 1942.
Esters of chaulmoogra oil, Ethyl. Winthrop Chemical Company. 155,565; renewed May 30, 1942.
Face powders, facial creams, rouges, and lipsticks, etc. New York Make-Up Corporation. 393,537–8; Feb. 17; Serial Nos. 447,344–5; published Nov. 25, 1941.
Fire extinguishing material in powdered or granular form. United States Graphite Company. 393,568; Feb. 17; Serial No. 447,773; published Nov. 25, 1941.
Gaseous fuel. Conservative Gas Corp. 393,445; Feb. 17; Serial No. 442,189; published Dec. 9, 1941.
Hair tonic. T. Noonan & Sons Company. 150,598; renewed Jan. 3, 1942.
Hair treating preparations. Sales Affiliates, Inc. 393,494; Feb. 17; Serial No. 446,439; published Dec. 2, 1941.
Headache and other pain relief tablet. W. S. Wolff. 393,503; Feb. 17; Serial No. 446,642; published Dec. 2, 1941.
Hydrogen peroxide. Pennsylvania Salt Manufacturing Co. 393,614; Feb. 17.
Insecticides. Molitor Drug Company. 393,562; Feb. 17; Serial No. 447,665; published Dec. 9, 1941.
Intestinal lubricant and laxative. Abbott Laboratories. 393,496; Feb. 17; Serial No. 446,476; published Nov. 25, 1941.
Laxative, antipyretic and analgesic preparation. Wm. S. Merrell Company. 393,548; Feb. 17; Serial No. 447,465; published Dec. 2, 1941.
Liquid hydrocarbon solvents. Neville Company. 393,504; Feb. 17; Serial No. 446,661; published Nov. 25, 1941.
Mascara, eyebrow pencils, eye shadow, etc. Maybelline Co. 393,492; Feb. 17; Serial No. 446,328; published Dec. 2, 1941.
Medicinal preparation. C-H-C Laboratories, Incorporated. 393,466; Feb. 17; Serial No. 444,630; published Dec. 2, 1941.
Medicinal preparation. Upjohn Company. 393,580; Feb. 17; Serial No. 447,963; published Dec. 2, 1941.
Medicinal preparations. Bayer Company. 155,382; renewed May 30, 1942.
Medicinal preparations. Dr. D. Jayne & Son, Inc. 393,522; Feb. 17; Serial No. 447,139; published Dec. 9, 1941.
Medicinal preparations. Knox Company. 393,592; Feb. 17; Serial No. 448,103; published Dec. 2, 1941.
Medicinal preparations, calcium ortho-benzyl-oxybenzoate. Swan-Myers Co. 155,540; renewed May 30, 1942.
Medicinal preparations for external application. E. L. Patch Company. 393,576; Feb. 17; Serial No. 447,888; published Dec. 2, 1941.
Medicinal products and preparations. S. Pfeiffer Mfg. Co. 393,443; Feb. 17; Serial No. 440,263; published Apr. 15, 1941.
Moth preventive and minimizer. Nyanza Color & Chemical Co. 156,378; renewed June 20, 1942.
Mouth wash. Penetro Chemical Company. 151,573; renewed Feb. 7, 1942.
Ointment, Skin. A. & A. Gorga, Inc. 393,583; Feb. 17; Serial No. 448,047; published Dec. 2, 1941.
Perfume and toilet water. Charles of the Ritz, Inc. 393,585; Feb. 17; Serial No. 448,073; published Dec. 9, 1941.
Pigeon-proofing composition for buildings. W. G. Greenlay. 393,481; Feb. 17; Serial No. 445,935; published Nov. 25, 1941.
Pomades, Hair dressing. Relco Drug Co. 393,509; Feb. 17; Serial No. 446,761; published Dec. 9, 1941.
Powder for dental plates, Holding. J. Bird Moyer Company. 393,579; Feb. 17; Serial No. 447,949; published Dec. 2, 1941.
Powders adapted for application to the human body including face powders, body powders, etc. Jean Vivaudou Co. 393,511; Feb. 17; Serial No. 446,821; published Nov. 25, 1941.
Preparation for injecting poultry, etc. Gland-O-Lac Co. 393,587; Feb. 17; Serial No. 448,098; published Dec. 9, 1941.
Preparation for the prevention and treatment of flukes for sheep, cattle, etc. Metol Co. Inc. 393,519; Feb. 17; Serial No. 447,070; published Nov. 25, 1941.
Preparation for treatment of colds in poultry. Gland-O-Lac Co. 393,591; Feb. 17; Serial No. 448,102; published Dec. 9, 1941.
Preparation for the treatment of intestinal tract in poultry. Gland-O-Lac Co. 393,588; Feb. 17; Serial No. 448,099; published Dec. 9, 1941.
Preparation for treatment and control of worms in poultry and tonic, etc. Gland-O-Lac Co. 393,586; Feb. 17; Serial No. 448,097; published Dec. 9, 1941.
Preparation in capsule form for intestinal worms which infest poultry. Gland-O-Lac Co. 393,590; Feb. 17; Serial No. 448,101; published Dec. 9, 1941.
Preparation in powder form and to be dissolved in water for ladies' hosiery and underwear. G. Kay. 393,597; Feb. 17.
Preparation of calcium pantothenate for vitamin therapy. Winthrop Chemical Company. 393,575; Feb. 17; Serial No. 447,858; published Nov. 25, 1941.
Preparation used in the treatment of athlete's foot. Ridgefield Chemical Co. Inc. 393,450; Feb. 17; Serial No. 443,055; published Nov. 25, 1941.
Preparations or medicines. Bayer Company. 155,612; renewed June 6, 1942.
Preventative for venereal diseases. Edward J. Moore Sons, Inc. 393,476; Feb. 17; Serial No. 445,665; published Nov. 25, 1941.
Rock salt. International Salt Company. 393,482; Feb. 17; Serial No. 445,943; published Nov. 25, 1941.
Salt brick for live stock, Medicated. Blackman Stock Remedy Co. 149,001; renewed Dec. 6, 1941.
Salve. J. Canales. 153,677; renewed Mar. 28, 1942.
Sedative and hypnotic. Winthrop Chemical Company. 155,871; renewed June 6, 1942.
Soda ash, bicarbonate of soda, Virginia soda, caustic soda, etc. Mathieson Alkali Works, (Inc.). 155,483; renewed May 30, 1942.
Stimulant preparation, Rubbing. D. J. Lyons. 393,514; Feb. 17; Serial No. 446,883; published Dec. 2, 1941.
Sulfathiazole ointment. Hart Drug Corporation. 393,554; Feb. 17; Serial No. 447,566; published Nov. 25, 1941.
Vermifuge, Veterinary. Pratt Food Company. 393,577; Feb. 17; Serial No. 447,916; published Dec. 2, 1941.
Vitamin preparation in capsule form. Norsal Laboratories Incorporated. 393,565; Feb. 17; Serial No. 447,757; published Dec. 2, 1941.
Vitamins in capsule and tablet form. Purity Drug Co. 393,546; Feb. 17; Serial No. 447,446; published Dec. 9, 1941.

CLASS 8

Cream used for the purpose of ageing tobacco pipes, Neutral, nontasting. D. J. Edwards. 393,609; Feb. 17.
Pipes. United Cigar-Whelan Stores Corporation. 393,615; Feb. 17.

CLASS 13

Hinges. P. M. Stephens. 393,475; Feb. 17; Serial No. 445,643; published Dec. 9, 1941.
Hobnails, shoe spikes, and shoe calks. North & Pfeiffer Manufacturing Co. 393,531; Feb. 17; Serial No. 447,269; published Dec. 9, 1941.
Metal products, consisting of funnels, strainers, commodes, pans, etc. Atlantic Stamping Company. 155,200; renewed May 23, 1942.
Plumbing supplies. Whiting-Mead Commercial Co. 149,548; renewed Dec. 13, 1941.
Screws, Wood. Eagle Lock Co. 153,708; renewed Mar. 28, 1942.
Tubes made from nonferrous metals and alloys. American Brass Company. 156,159; renewed June 20, 1942.
Valves, gas line regulators and surface intermitting regulators, Gas lift flow. Oil Lift Supply Company. 393,486; Feb. 17; Serial No. 446,238; published Dec. 16, 1941.

CLASS 14

Alloys. American Nickel Alloy Manufacturing Corp. 393,505; Feb. 17; Serial No. 446,684; published Nov. 25, 1941.
Iron and iron alloy castings and gray iron and iron alloy used for castings, Gray. Dayton Foundry, Inc. 393,461; Feb. 17; Serial No. 444,491; published Nov. 25, 1941.
Iron, steel, copper, lead, etc. Gordon Metal Company. 393,480; Feb. 17; Serial No. 445,832; published Dec. 9, 1941.
Metallic plastic mending and patching composition. Perfect Manufacturing Co. 393,493; Feb. 17; Serial No. 446,334; published Dec. 9, 1941.
Stampings, forgings, moldings, etc. Powder Metallurgy Inc. 393,442; Feb. 17; Serial No. 439,876; published Nov. 25, 1941.
Steel billets, bars, forgings, and disks. Poldi Steel Corporation of America. 152,952; renewed Mar. 7, 1942.
Steel in blocks and in bars and forgings. Firm Poldi Steel Corporation of America. 155,983–4; renewed June 13, 1942.

CLASS 16

Artists' materials. Rich Art Color Company. 393,605; Feb. 17.
Oils, and linseed oil, Drying. Spencer Kellogg and Sons, Inc. 393,468; Feb. 17; Serial No. 444,772; published Dec. 9, 1941.
Paint. Goheen Corporation. 150,383; renewed Jan. 3, 1942.
Paint pigments, Dry. Aluminum Cooking Utensil Company. 151,312; renewed Jan. 31, 1942.
Paints and colors. Goheen Corporation. 151,137; renewed Jan. 24, 1942.
Paints, Deck. International Paint Company. 393,536; Feb. 17; Serial No. 447,334; published Dec. 9, 1941.
Varnish, driers, lacquer, filler, enamel, etc. Standard Varnish Works. 151,361; renewed Jan. 31, 1942.

CLASS 17

Cigarettes. Hed Kleer Tobacco Co. Inc. 393,602; Feb. 17.
Cigarettes. United Cigar-Whelan Stores Corporation. 393,616; Feb. 17.

Cigars. General Cigar Co. 150,823; renewed Jan. 10, 1942.
Cigars. General Cigar Co. 153,727; renewed Mar. 28, 1942.
Cigars, cigarettes, and pipe and chewing tobacco. Thompson's Spa. 150,986; renewed Jan. 10, 1942.

CLASS 19

Bicycles. B. F. Goodrich Company. 393,525; Feb. 17; Serial No. 447,206; published Dec. 9, 1941.
Frost shields for vehicle bodies, Cellophane. A. R. Havens. 393,610; Feb. 17.
Trucks and trailers, Automotive. Yale & Towne Mfg. Co. 156,478; renewed June 20, 1942.

CLASS 21

Batteries, Automobile. Fordham Tire Co. 393,606; Feb. 17.
Electric insulation compound. Formica Insulating Company. 155,689; renewed June 6, 1942.
Escutcheons for electrical switches. National Plastics, Inc. 393,600; Feb. 17.
Signalling appliances. J. P. Knipp. 393,599; Feb. 17.

CLASS 22

Doll. J. C. Gray. 393,596; Feb. 17.
Fishing line. Ashaway Line & Twine Manufacturing Company. 156,168; renewed June 20, 1942.
Game boards. K. Saks. 393,530; Feb. 17; Serial No. 447,253; published Dec. 9, 1941.
Games, Board. Milton Bradley Company. 393,471; Feb. 17; Serial No. 445,169; published Dec. 16, 1941.
Games, Picture puzzle. Tuco Work Shops, Incorporated. 393,479; Feb. 17; Serial No. 445,759; published Dec. 16, 1941.
Pads used to play bingo. E. S. Lowe Company. 393,488–9; Feb. 17; Serial Nos. 446,298–9; published Dec. 16, 1941.
Skates, Ice. Shapleigh Hardware Company. 151,231; renewed Jan. 24, 1942.
Toys. Northwestern Mail Box Co. 393,566; Feb. 17; Serial No. 447,758; published Dec. 9, 1941.

CLASS 23

Apparatus for dispensing lubricating grease. Cities Service Oil Company. 393,618; Feb. 17.
Card cloth. Mechanical Fabric Company. 20,538; renewed Jan. 5, 1942.
Cutlery and tools. Blish, Mize & Silliman Hardware Co. 156,186; renewed June 20, 1942.
Punches, Eyelet. Wm. Scholihorn Co. 156,050; renewed June 13, 1942.
Razors, Safety. Gillette Safety Razor Company. 156,264; renewed June 20, 1942.

CLASS 25

Padlocks. Eagle Lock Co. 153,706–7; renewed Mar. 28, 1942.
Padlocks. Eagle Lock Co. 154,923; renewed May 16, 1942.

CLASS 28

Finger rings. M. Rikles. 393,547; Feb. 17; Serial No. 447,448; published Dec. 16, 1941.
Finger rings, necklaces, bracelets, etc. Goodman and Company. 393,532; Feb. 17; Serial No. 447,287; published Dec. 16, 1941.
Jewelry, Costume. G. J. Hecht. 393,529; Feb. 17; Serial No. 447,235; published Dec. 9, 1941.
Mesh bags. Whiting & Davis Co. 155,562; renewed May 30, 1942.
Necklaces. J. A. Deknatel & Son. 393,500; Feb. 17; Serial No. 446,539; published Dec. 16, 1941.
Necklaces, bracelets, finger rings, etc. Dupuis Process, Inc. 393,487; Feb. 17; Serial No. 446,290; published Dec. 9, 1941.

CLASS 32

Cabinets, Storage. Stor-Aid, Inc. 393,584; Feb. 17; Serial No. 448,066; published Dec. 16, 1941.
Mattresses. Simmons Company. 393,441; Feb. 17; Serial No. 439,301; published Dec. 16, 1941.
Mattresses. C. F. Lottman & Sons. 155,752; renewed June 6, 1942.
Mattresses for beds and the like. Barcalo Manufacturing Company. 153,403; renewed Mar. 21, 1942.
Pillows. J. C. Penney Company. 393,594; Feb. 17; Serial No. 448,333; published Dec. 9, 1941.

CLASS 33

Glass baking ware. Corning Glass Works. 153,430; renewed Mar. 21, 1942.

CLASS 34

Air humidifying units and water vaporizing units, etc. Little Giant Vaporizer Company. 393,561; Feb. 17; Serial No. 447,635; published Dec. 16, 1941.
Smoke eliminators. Fuel Saver Corporation. 393,560; Feb. 17; Serial No. 447,633; published Dec. 9, 1941.

CLASS 35

Composition packing composed of canvas and rubber. Williamsport Development Company. 156,471; renewed June 20, 1942.

CLASS 37

Drafting material and supplies. Eugene Dietzgen Co. 393,528; Feb. 17; Serial No. 447,230; published Dec. 16, 1941.
Erasers, Rubber. Joseph Dixon Crucible Company. 154,983; renewed May 16, 1942.
Mailing envelopes and stickers made of paper. W. F. Kinnucan. 393,433; Feb. 17; Serial No. 435,548; published Dec. 9, 1941.
Notebooks, memorandum books, and refills therefor. Wilson-Jones Company. 393,557; Feb. 17; Serial No. 447,578; published Dec. 16, 1941.
Paper for wrapping sheet metal parts. Sherman Paper Products Corporation. 393,553; Feb. 17; Serial No. 447,548; published Dec. 16, 1941.
Paper, Wax treated wrapping. Zellerbach Paper Company. 393,460; Feb. 17; Serial No. 444,293; published Dec. 16, 1941.
Paper, Wrapping. Munising Paper Company. 393,624; Feb. 17.
Paper, Writing and printing. Brown Company. 151,091; renewed Jan. 24, 1942.
Pencils. Inkograph Co. 156,306; renewed June 20, 1942.
Pencils, leads, wood case pencils, etc. Linton Pencil Company. 393,458; Feb. 17; Serial No. 444,155; published Dec. 16, 1941.
Rubber stamps, type, type holders, and printing outfits. Superior Type Company. 393,447; Feb. 17; Serial No. 442,576; published Dec. 16, 1941.
Wrappers, Laminated. Shellmar Products Company. 393,535; Feb. 17; Serial No. 447,314; published Dec. 16, 1941.

CLASS 38

Articles and comment appearing in newspapers and periodicals, Racing. F. J. Greenfelder. 393,469; Feb. 17; Serial No. 444,793; published Nov. 18, 1941.
Books and charts for teaching typewriting, Instruction. Corona Typewriter Company. 150,782; renewed Jan. 10, 1942.
Books, Cut-out. McLoughlin Bros., Inc. 393,430; Feb. 17; Serial No. 434,656; published Nov. 25, 1941.
Books of dramatic-musical compositions. Musical Fairy Tales, Inc. 393,612; Feb. 17.
Calendars, Wall. Bigelow Press, Inc. 393,595; Feb. 17.
Cartoon panel in a daily newspaper. Newspaper PM, Inc. 393,507; Feb. 17; Serial No. 446,706; published Nov. 25, 1941.
Column or section of a newspaper and printed copies of lectures. A. N. Phillips, Jr. 393,452; Feb. 17; Serial No. 443,371; published Dec. 2, 1941.
Column, Syndicated fashion feature. Celanese Corporation of America. 393,462; Feb. 17; Serial No. 444,595; published Nov. 18, 1941.
Comic magazine. U. S. A. Comic Magazine Corp. 393,513; Feb. 17; Serial No. 446,848; published Nov. 25, 1941.
Comic strip series. A. Goodman. 393,440; Feb. 17; Serial No. 439,088; published Nov. 25, 1941.
Instruction sheets and related matter issued from time to time. Aviation Institute of Denver, Inc. 393,527; Feb. 17; Serial No. 447,223; published Dec. 9, 1941.
Magazine. Triangle Publications, Inc. 393,617; Feb. 17.
Newspaper column. N. Sasser. 393,556; Feb. 17; Serial No. 447,576; published Dec. 9, 1941.
Newspaper, Daily. Newspaper PM, Inc. 393,490; Feb. 17; Serial No. 446,301; published Dec. 9, 1941.
Publication. Ferguson-Sherman Manufacturing Corporation. 393,601; Feb. 17.
Publication. Telecast Productions, Inc. 393,499; Feb. 17; Serial No. 446,537; published Nov. 18, 1941.
Scripts for radio broadcasts. Hecker Products Corporation. 393,474; Feb. 17; Serial No. 445,464; published Nov. 18, 1941.
Scripts, Radio. Grant Advertising, Inc. 393,467; Feb. 17; Serial No. 444,671; published Dec. 2, 1941.
Section or column of a monthly magazine. M. S. Cohen. 393,473; Feb. 17; Serial No. 445,196; published Nov. 18, 1941.
Section of a periodical. C. W. Brooks. 393,472; Feb. 17; Serial No. 445,195; published Nov. 18, 1941.

CLASS 39

Coats, Women's cloth. Metro Coat & Suit Co. 393,558; Feb. 17; Serial No. 447,596; published Dec. 9, 1941.
Dresses. Carson Pirie Scott & Company. 393,453; Feb. 17; Serial No. 443,597; published Dec. 2, 1941.
Dresses. Oxford Dress Company. 393,613; Feb. 17.
Garments—namely, coats, suits, jackets, etc., Ladies' outer. Hollywood Fashions. 393,470; Feb. 17; Serial No. 445,013; published Dec. 2, 1941.
Garments, Women's, misses', junior misses' and children's outer. Perfect Garment Company. 393,545; Feb. 17; Serial No. 447,445; published Dec. 9, 1941.
Gloves of fabric and of leather. Butler Brothers. 149,646; renewed Dec. 20, 1941.
Hair nets. Samstag & Hilder Bros. 154,379; renewed Apr. 11, 1942.
Hats and gowns, Ladies'. J. J. Jonas. 156,314; renewed June 20, 1942.
Hosiery. Blue Line Hosiery Mills, Inc. 393,449; Feb. 17; Serial No. 443,037; published Dec. 2, 1941.

Hosiery. Whitehead Hosiery Mills, Inc. 154,737; renewed Apr. 18, 1942.
Pajamas, nightgowns, and nightshirts. Kaylon, Inc. 393,526; Feb. 17; Serial No. 447,210; published Dec. 2, 1941.
Shirts, Dress and sport. Freedman-Roedelheim Company. 393,541; Feb. 17; Serial No. 447,392; published Dec. 2, 1941.
Shirts, pants, and slack combinations. Thomson Company. 393,508; Feb. 17; Serial No. 446,711; published Dec. 2, 1941.
Shoes, Leather and cloth. Boyd-Welsh Shoe Company. 154,495; renewed Apr. 18, 1942.
Slips, petticoats, and nightgowns. Victor Brown Undies, Inc. 393,542; Feb. 17; Serial No. 447,426; published Dec. 9, 1941.
Suits, Men's summerweight. Timely Clothes, Incorporated. 393,564; Feb. 17; Serial No. 447,714; published Dec. 9, 1941.
Suits, overcoats, sport and top coats. Rosenthal Manufacturing Company. 393,501; Feb. 17; Serial No. 446,592; published Dec. 9, 1941.
Sweaters, Men's and boys'. Revere Knitting Mills, Inc. 393,555; Feb. 17; Serial No. 447,574; published Dec. 9, 1941.
Undergarments, Ladies'. Max Gussow, Inc. 393,539; Feb. 17; Serial No. 447,375; published Dec. 9, 1941.
Undergarments, One, two, and three piece. P. H. Hanes Knitting Co. 155,702; renewed June 6, 1942.

CLASS 41

Umbrellas, umbrella ribs, stretchers, and frames of metal. Samuel Fox & Co., Ltd. 20,632; re-renewed Jan. 26, 1942.

CLASS 43

Yarn. Atlantic Rayon Corporation. 393,598; Feb. 17.
Yarn. Tower Brand Yarn Corp. 393,455; Feb. 17; Serial No. 443,787; published Dec. 9, 1941.

CLASS 44

Dental impression wax. N. Kaye. 393,607; Feb. 17.
Dilators Dairy Association Company. 393,622; Feb. 17.
Hearing-aid devices or instruments. Otarlon, Inc. 393,540; Feb. 17; Serial No. 447,378; published Dec. 9, 1941.

CLASS 45

Beverages, Carbonated. Drink-Mor Beverage Company. 393,515; Feb. 17; Serial No. 446,909; published Nov. 25, 1941.
Beverages, Carbonated. Good News Beverage Co. 393,512; Feb. 17; Serial No. 446,836; published Nov. 25, 1941.
Ginger ale. Cantrell & Cochrane, Limited. 153,984; renewed Apr. 4, 1942.
Ginger ale, ginger beer, sarsparilla, and bottled soda water. Cantrell & Cochrane, Limited. 150,761; renewed Jan. 10, 1942.
Non-alcoholic, maltless beverages and syrups and extracts for making same. National Grape Corporation. 393,510; Feb. 17; Serial No. 446,807; published Nov. 25, 1941.
Root beer, soft drinks, syrups, etc. Richardson Corporation. 393,549; Feb. 17; Serial No. 447,489; published Nov. 25, 1941.
Syrups for use in flavoring non-alcoholic, maltless beverages, Fountain. Blanke-Baer Extract & Preserving Co. 393,518; Feb. 17; Serial No. 447,041; published Nov. 25, 1941.

CLASS 46

Canned and packaged frozen food products. Lerman Brothers. 393,604; Feb. 17.
Canned salmon. Geo. W. Sanborn & Sons. 152,494; renewed Feb. 28, 1942.
Canned sardines. Booth Fisheries Company. 153,124; renewed Mar. 14, 1942.
Cereal breakfast food. General Mills, Inc. 393,573; Feb. 17; Serial No. 447,842; published Dec. 9, 1941.
Corn syrup. A. E. Staley Manufacturing Company. 393,534; Feb. 17; Serial No. 447,295; published Dec. 9, 1941.
Corn syrup and cornstarch. Hubinger Company. 393,521; Feb. 17; Serial No. 447,137; published Dec. 9, 1941.
Eggs. Diamond Egg Club, Inc. 393,543; Feb. 17; Serial No. 447,433; published Dec. 9, 1941.
Flour, Wheat. Collins Flour Mills. 152,136–8; renewed Feb. 21, 1942.
Flour, Wheat. Collins Flour Mills. 152,372; renewed Feb. 28, 1942.
Flour, Wheat. Pillsbury Flour Mills Company. 393,427; Feb. 17; Serial No. 409,589; published Dec. 9, 1941.
Fruit pectin, Concentrated. Pectin Sales Co. 152,479; renewed Feb. 28, 1942.
Fruit pectin, Concentrated. Pectin Sales Co. 152,937; renewed Mar. 7, 1942.
Hams, luncheon meats, picnics, etc. Canada Packers Inc. 393,620; Feb. 17.
Icings, coatings, and frostings. Brown Company. 152,361; renewed Feb. 28, 1942.
Meats and meat products—namely, bacon. E. Kahn's Sons Company. 393,434; Feb. 17; Serial No. 436,933; published Dec. 9, 1941.
Milk, Evaporated. Galloway-West Company. 151,769; renewed Feb. 14, 1942.
Popcorn and candied popcorn and creamed popped corn confections, Seasoned. Tasdelite Products, Inc. 393,444; Feb. 17; Serial No. 441,714; published Dec. 9, 1941.
Seasoning and dressing, Food. C. G. Carroll. 393,619; Feb. 17.
Sirups. Log Cabin Products Company. 150,453; renewed Jan. 3, 1942.
Soup almonds made of dough. Gluckstern's, Inc. 393,603; Feb. 17.
Soup, Pea. Union Food Products, Inc. 393,611; Feb. 17.
Syrup, Table. South Coast Corporation. 393,550; Feb. 17; Serial No. 447,493; published Dec. 9, 1941.
Vegetable oil and mayonnaise and salad oil. Strohmeyer & Arpe Company. 151,959; renewed Feb. 14, 1942.
Vegetables, Fresh. J. T. Hiroto. 393,497; Feb. 17; Serial No. 446,498; published Dec. 9, 1941.

CLASS 47

Wines. American Vineyards Corporation. 393,446; Feb. 17; Serial No. 442,542; published Dec. 9, 1941.
Wines. K. C. Arey & Company. 393,435; Feb. 17; Serial No. 437,639; published Dec. 2, 1941.
Wines. Federal Wine and Liquor Company. 393,477–8; Feb. 17; Serial Nos. 445,719–20; published Nov. 18, 1941.
Wines. J. Mutascio. 393,448; Feb. 17; Serial No. 442,718; published July 29, 1941.
Wines. Schenley Import Corporation. 393,563; Feb. 17; Serial No. 447,673; published Dec. 2, 1941.
Wines. Sebastiani Wineries, Inc. 393,495; Feb. 17; Serial No. 446,467; published Nov. 18, 1941.
Wines. L. Zerillo. 393,559; Feb. 17; Serial No. 447,603; published Dec. 2, 1941.

CLASS 48

Ale. Falls City Brewing Company. 393,516; Feb. 17; Serial No. 446,911; published Nov. 25, 1941.
Beer, ale, and porter. Greater New York Brewery, Inc. 393,608; Feb. 17.
Beverage brewed from malt and other cereals and hops, Fermented. Stegmaier Brewing Company. 393,552; Feb. 17; Serial No. 447,498; published Dec. 9, 1941.
Beverage, Fermented. Stegmaier Brewing Company. 393,551; Feb. 17; Serial No. 447,497; published Dec. 2, 1941.
Malt extracts, Concentrated liquid. Malt-Diastase Company. 151,185; renewed Jan. 24, 1942.

CLASS 49

Gin, cocktails and cordials. G. F. Heublein & Bro. 393,459; Feb. 17; Serial No. 444,182; published Dec. 2, 1941.
Rum. J. H. Cerecedo. 393,437; Feb. 17; Serial No. 437,895; published Nov. 18, 1941.
Spirits, particularly rum, Distilled. George Benz Sons, Inc. 393,491; Feb. 17; Serial No. 446,313; published Dec. 2, 1941.
Whiskey. Ben-Burk, Inc. 393,436; Feb. 17; Serial No. 437,854; published Jan. 21, 1941.
Whisky. A. P. McDowall & Co. (Distillers) Limited. 393,432; Feb. 17; Serial No. 435,366; published Nov. 25, 1941.

CLASS 50

Bee-comb foundations, Wired. Walter T. Kelley Co. 393,623; Feb. 17.
Closet accessories, namely clothes hangers. Ben Hur Products, Inc. 393,483; Feb. 17; Serial No. 445,987; published Dec. 16, 1941.
Hangers, Garment. A. F. Isaak. 393,498; Feb. 17; Serial No. 446,520; published Dec. 9, 1941.
Upholstery material, Artificial leather. Seaman Paper Company. 393,517; Feb. 17; Serial No. 447,033; published Dec. 16, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bay, Thomas J., U. S. Navy. Condenser tube protector. Re. 22,027; Feb. 17.

Clark, Lancaster P., Jr., assignor to Electric Plug, Incorporated, Bridgeport, Conn. Electrical plug device. Re. 22,028; Feb. 17.

Electric Plug, Incorporated. (See Clark, Lancaster P., Jr., assignor.)

Nebesar, Robert J., Bristol, Va. Airplane or the like. Des. Re. 22,029; Feb. 17.

LIST OF DESIGN PATENTEES

Boucher, Marcel, New York, N. Y. Pin or similar article. 131,415; Feb. 17.

Boucher, Marcel, New York, N. Y. Pin or similar article. 131,416; Feb. 17.

Brody, Adelé, Dorchester, assignor to Murray White Company, Boston, Mass. Dress. 131,441; Feb. 17.

Brooks, Mildred B., South Pasadena, Calif. Candelabra. 131,403; Feb. 17.

Clark, Frank P., St. Paul, Minn. Connecting rod. 131,432; Feb. 17.

Cleveland Co-Operative Stove Company, The. (See Edelmuth, David L., assignor.)

Cutler, Elizabeth, New York, N. Y. Dress. 131,442; Feb. 17.

Dazey Churn and Manufacturing Company. (See Reinecke, Jean O., assignor.)

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass nappy or article of similar nature. 131,404; Feb. 17.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass dish or article of similar nature. 131,405; Feb. 17.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass relish dish or article of similar nature. 131,406; Feb. 17.

Edelmuth, David L., Shaker Heights, assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Lamp for cooking ranges. 131,433; Feb. 17.

Eickemeyer, Louis, Union, assignor to J. Gottlieb, Jersey City, N. J. Electric clock. 131,417; Feb. 17.

Etkin, Simon, New York, N. Y. Dress ensemble. 131,443; Feb. 17.

Etkin, Simon, New York, N. Y. Dress. 131,444; Feb. 17.

Fageol, Rollie B., Beverly Hills, Calif. Ash tray. 131,434; Feb. 17.

Fischer, Howard L., St. Paul, Minn. Combination knife blade and file. 131,407; Feb. 17.

Fuld, Horace A., New York, N. Y. Combined flower bowl and mirror. 131,435; Feb. 17.

Gottlieb, Joseph. (See Eickemeyer, Louis, assignor.)

Government of the United States of America as represented by the United States Maritime Commission. (See O'Dea, Mark, assignor.)

Harms, Jean, Clayton, Mo. Sock. 131,408; Feb. 17.

Hoffmaster, Lester E., Lebanon, Pa. Game board. 131,418; Feb. 17.

Hogg, Elsie C., Elizabeth, N. J. Cap. 131,419; Feb. 17.

Iroquios China Company. (See Remstein, William, assignor.)

Kantor, Joseph, New York, N. Y. Jewelry finding. 131,409; Feb. 17.

Keller, Viktor, New York, N. Y. Clothing hook. 131,445; Feb. 17.

Krebs, Walter, assignor to Revo Specialty Company, New York, N. Y. Card shuffler. 131,410; Feb. 17.

Lerman, Ben, Chicago, Ill. Clock. 131,420; Feb. 17.

Lerman, Ben, Chicago, Ill. Clock. 131,421; Feb. 17.

Lerman, Ben, Chicago, Ill. Clock. 131,422; Feb. 17.

Lerman, Ben, Chicago, Ill. Clock. 131,423; Feb. 17.

Lewis, Florence N., New York, N. Y. Lipstick advertising device. 131,436; Feb. 17.

Love, Clarence E., Denver, Colo. Archers' arm guard. 131,437; Feb. 17.

Mather, John C., Indianopolis, Ind. Combined eraser and chalk rail cleaner body. 131,424; Feb. 17.

Matthews, Olive, Memphis, Tenn. Ashtray. 131,438; Feb. 17.

Mir, David, New York, N. Y. Brooch or similar article. 131,425; Feb. 17.

O'Dea, Mark, assignor to Government of the United States of America as represented by the United States Maritime Commission, Washington, D. C. Badge or similar article. 131,446; Feb. 17.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,426; Feb. 17.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,427; Feb. 17.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,428; Feb. 17.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,429; Feb. 17.

Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,430; Feb. 17.

Philippe, Alfred, New York, N. Y. Bracelet or similar article. 131,439; Feb. 17.

Pitman-Dreitzer & Company. (See Dreitzer, Albert J., assignor.)

Preller, Henriette, Forest Hills, assignor to Helena Rubinstein, Inc., New York, N. Y. Lipstick holder. 131,440; Feb. 17.

Reinecke, Jean O., Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo. Fruit juicer. 131,411; Feb. 17.

Remstein, William, assignor to Iroquois China Company, Syracuse, N. Y. Plate or similar article. 131,412; Feb. 17.

Revo Specialty Company. (See Krebs, Walter, assignor.)

Riesenberg, Samuel, New York, N. Y. Dress ensemble. 131,447; Feb. 17.

Robinson, Joseph, New York, N. Y. Electric vaporizer. 131,413; Feb. 17.

Rowan, William R., North Attleboro, Mass. Ventilated finger ring. 131,414; Feb. 17.

Rubinstein, Helena, Inc. (See Preller, Henriette, assignor.)

Sutcliffe, Harry L., New York, N. Y. Shoe. 131,448; Feb. 17.

White, Murray, Company. (See Brody, Adelé, assignor.)

Wolf, Semon, New York, N. Y. Slip or similar article. 131,431; Feb. 17.

Zahn, Samuel, New York, N. Y. Dress. 131,449; Feb. 17.

Zahn, Samuel, New York, N. Y. Dress. 131,450; Feb. 17.

Zahn, Samuel, New York, N. Y. Dress. 131,451; Feb. 17.

Zahn, Samuel, New York, N. Y. Dress ensemble. 131,452; Feb. 17.

LIST OF PATENTEES

TO WHOM

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Aab, William, assignor to New Ulm Manufacturing Company, New Ulm, Minn. Valve seat refacing tool. 2,273,747; Feb. 17.

Acme Gear & Machine Company. (See Kahl, John O., assignor.)

Acme Visible Records, Inc. (See Attwood, Charles E., assignor.)

Adler, Charles, Jr., Baltimore, Md., assignor to the People of the United States of America. Airplane light. 2,273,748; Feb. 17.

Adler, Charles, Jr., Baltimore, Md., assignor to the People of the United States of America. Coded airplane light. 2,273,747; Feb. 17.

Ahlberg, Jacob E. (See Benedict, W. L., and Ahlberg.)

Aldrich, Lucius D., North Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Manufacture of multifilament rubber threads. 2,273,082; Feb. 17.

Allegheny-Ludlum Steel Corporation. (See Webber, Owen T., assignor.)

Allen-Bradley Company. (See Matthias, Lynn H., assignor.)

Allen, Robert C., Sherburne, N. Y. Explosive. 2,273,166; Feb. 17.

Allied Chemical & Dye Corporation. (See Wakeman, Reginald L., assignor.)

Alloy Casting Institute of New York. (See Peoples, R. S., and Pray, assignors.)

Aluminum Company of America. (See Fink, W. L., and Ennor, assignors.)

Ambruster, Cornelius, Roslyn, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery cell. 2,273,244; Feb. 17.

American Can Company. (See Cox, Herbert F., Jr., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Murch, John H., assignor.)

American Ecla Corporation. (See Schwartz, F. F., and Chavannes, assignors.)

American Engineering Company. (See Lawrence, Howard F., assignor.)

American Machine and Metals, Inc. (See Koepcke, Harry E., assignor.)

American Machine and Metals, Inc. (See Miller, Edward L., assignor.)

American Machine and Metals, Inc. (See Sonntag, Alfred, assignor.)

American Optical Company. (See Wrighton, W. J., and Jarrett, assignors.)

American Rolling Mill Company, The. (See Kenyon, R., L., and Tobin, assignors.)

Ander, Dale, Bronx, N. Y. Electrical transformer. 2,273,245; Feb. 17.

Andersen, Chris S., Bell, Calif. Multiple stage vacuum tube. 2,273,003; Feb. 17.

Anderson, Clifford H., assignor to Crown Iron Works Company, Minneapolis, Minn. Air control. 2,273,458; Feb. 17.

Anderson, Ernst G. K., Chicago, Ill. Electrical fixture. 2,273,167; Feb. 17.

Anderson, Harry J., and H. K. Deike, Chicago, Ill. Cigarette package. 2,273,611; Feb. 17.

Anderson, Victor, Cliffside Park, assignor to Alfred Hofmann & Company, West New York, N. J. Straight-type warp-knitting machine. 2,273,246; Feb. 17.

Anemostat Corporation of America. (See Honerkamp, Friedrich, assignor.)

Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph storage transmitter. 2,273,083; Feb. 17.

Anger, Ernest G., Wauwatosa, Wis., assignor to Square D. Company, Detroit, Mich. Electric switching protective system. 2,273,311; Feb. 17.

Ansley, Benjamin R., Fargo, N. Dak. Automatic control for wind power units. 2,273,084; Feb. 17.

Appleton Electric Company. (See Tornblom, Nils A., assignor.)

Armstrong, Harry H., Newport, Pa. Extraction of beryllium from ores. 2,273,168; Feb. 17.

Arnold, Arthur A. (See Madsen, P. S., and Arnold.)

Arrow-Hart & Hegeman Electric Company, The. (See Edwards, W. F., and Carlson, assignors.)

Associated Electric Laboratories, Inc. (See Peterson, S. E., and Geitgey, assignors.)

Atlantic Carton Corporation. (See Bannon, Leroy F., assignor.)

Attwood, Charles E., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible index. 2,273,310; Feb. 17.

Atwood Machine Company. (See Winslow, Albert E., assignor.)

Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth mover. 2,273,010; Feb. 17.

Autocall Company, The. (See Smith, Boyd H., assignor.)

Automatic Button Company. (See Umlandt, William H., assignor.)

Auto Research Corporation. (See Bijur, Joseph.)

Autogiro Company of America. (See Larsen, Agnew E., assignor.)

Bächle, Otto, Cologne, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Reclaiming of rubber. 2,273,506; Feb. 17.

Bacon, Everett L., Houston, Tex. Register actuating means. 2,273,552; Feb. 17.

Baerenklau, August, Queens Village, and B. Deja, Brooklyn, N. Y. Repair plug driving tool. 2,273,169; Feb. 17.

Bailer, Otto, Los Angeles, Calif. Noninterrupted-current multiple circuit controller. 2,273,612; Feb. 17.

Bailey, David C., Amesbury, Mass. Weather strip. 2,273,684; Feb. 17.

Bailey Meter Company. (See Dickey, Paul S., assignor.)

Bailey Meter Company. (See Dickey, P. S., and Johnson, assignors.)

Baldwin, Charles F., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal mounting. 2,273,553; Feb. 17.

Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Furniture. 2,273,428; Feb. 17.

Bank, Sylvia. (See Bank, Albert M., assignor.)

Bannon, Leroy F., assignor to Atlantic Carton Corporation, Norwich, Conn. Manufacture of laminated material. 2,273,554; Feb. 17.

Barber Asphalt Corporation. (See Ritter, Alexander, assignor.)

Barnby, Herbert A., and S. C. Robison, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Metal container and closure therefor. 2,273,247; Feb. 17.

Barnhart, Herbert S., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Camera construction. 2,273,555; Feb. 17.

Baron, Barnett, New York, N. Y. Cleaning apparatus. 2,273,170; Feb. 17.

Bartlett, Jeffrey. (See Tongberg, C. O., Lynch, and Bartlett.)

Bartoe, Willard F., Hulmeville, assignor to Röhm & Haas Company, Philadelphia, Pa. Preparing mirrors. 2,273,613; Feb. 17.

Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Electrical compensator. 2,273,011; Feb. 17.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming composite articles. 2,273,614; Feb. 17.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming brake drums. 2,273,615; Feb. 17.

Batty, Robert P., Evans City, Pa. Antiskid chain attaching device. 2,273,004; Feb. 17.

Baum, Victor E., Tulsa, Okla. Pump jack. 2,273,342; Feb. 17.

Beach, John B., Washington, D. C. Book of carbon papers. 2,273,005; Feb. 17.

Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Aromatic esters and the manufacture thereof. 2,273,556; Feb. 17.

Beatty, Thaddeous C., Lynville, Iowa. Pig feeder. 2,273,616; Feb. 17.

Beaver Pipe Tools, Inc. (See Shafer, Clarence W., assignor.)

Bedell, Harold L. (See Fry, W. C., and Bedell.)

Beegle, Raymond E., East St. Louis, Ill. Antisplitting device. 2,273,507; Feb. 17.

Beegle, Raymond E., East St. Louis, Ill. Antisplitting iron. 2,273,508; Feb. 17.

Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Television system. 2,273,172; Feb. 17.

Beimer, George M., Lodi, assignor to Couse Laboratories, Inc., Newark, N. J. Mounting fire extinguishers on automotive vehicles. 2,273,504; Feb. 17.

Bell, Henry S., Wheeling, W. Va., and H. E. Metin, Youngstown, assignors to The Wean Engineering Company, Inc., Warren, Ohio. Drive mechanism for sheet coating apparatus. 2,273,085; Feb. 17.

Bell Telephone Laboratories, Incorporated. (See Bolz, A. L., Bredehoft, and Wiebusch, assignors.)

Bell Telephone Laboratories, Incorporated. (See Brewer, Sherman T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)

Bell Telephone Laboratories, Incorporated. (See Ekstrand, Sture O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Grisdale, Richard O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)

Bell Telephone Laboratories, Incorporated. (See King, Douglas H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lovell, Clarence A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morrison, Laurence W., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Weis, Charles L., Jr., assignor.)

Bendix Aviation Corporation. (See Reichel, W. A., and Ketay, assignors.)

Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Leukhardt, Arthur R., assignor.)

Benedict, Wayne L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon distillates. 2,273,012; Feb. 17.

Bennett, Roland, London, England. Remote control apparatus. 2,273,171; Feb. 17.

Berg, Emil G., Erie, Pa., assignor of one-twentieth to E. J. Te Pas, Euclid, Ohio. Shaving device. 2,273,685; Feb. 17.

Berk, Elmore R. (See Wean, R. J., Melin, and Berk.)

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Forming blown glass articles. 2,273,777; Feb. 17.

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Increasing the durability of glassware. 2,273,778; Feb. 17.

Bethlehem Steel Company. (See Zweier, Ralph D., assignor.)

Bigelow, Robert J., Rochester, Minn., assignor to Penn Electric Switch Co., Goshen, Ind. Refrigeration control structure. 2,273,343; Feb. 17.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,273,013; Feb. 17.

Bing, Joseph M., New York, N. Y. Photographic camera with built-in exposure meter. 2,273,429; Feb. 17.

Bing, Joseph M., New York, N. Y. Mount for optical devices. 2,273,430; Feb. 17.

Bird & Son, Inc. (See Smith, R. A., and Williams, assignors.)

Birr, Rudolph G. (See Steiner, F. G., and Birr.)

Black, Alexander R., Norwood, and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Apparatus for agricultural spraying. 2,273,344; Feb. 17.

Blackhawk Mfg. Co. (See Traut, William A., assignor.)

Blackledge, Elmer G., Oswego, Kans. Sickle guard appliance. 2,273,014; Feb. 17.

Blakeslee, G. S., & Co. (See Karp, Edward J., assignor.)

Blumenthal, Samuel J., Brooklyn, N. Y. Surgical instrument. 2,273,686; Feb. 17.

Bochumer Eisenhutte Heintzman & Co. (See Toussaint, H., (Groetschel, and Jasper, assignors).)

Boehringer, C. H., Sohn. (See Hesse, Gerhard, assignor.)

Bock, Louis H., Glenside, and A. L. Houk, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Diacylamino-1,3,5-triazines. 2,273,687; Feb. 17.

Boeing Aircraft Company. (See Nelson, R. H., Stith, and Endres, assignors.)

Boers, Cornelis J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Radio receiver. 2,273,617; Feb. 17.

Bolz, Andrew L., New York, N. Y., H. A. Bredehoft, Millington, N. J., and C. F. Wiebusch, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audible signal device. 2,273,688; Feb. 17.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,273,481; Feb. 17.

Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Solvent-extraction process and apparatus. 2,273,557; Feb. 17.

Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium pigment production. 2,273,431; Feb. 17.

Boron, Eugene F., and R. E. Carter, Niles, Ohio. Sheet stacker. 2,273,689; Feb. 17.

Botteron, Leonard K. (See Jabelmann, O., and Botteron.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company. Making cast ceramic flatware. 2,273,015; Feb. 17.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company. Apparatus for feeding ceramic slip. 2,273,016; Feb. 17.

Bowers, Joseph H., Wahoo, Nebr. Door. 2,273,690; Feb. 17.

Bowers, Thomas A., Mattapoisett, assignor to Power Research Corporation, Boston, Mass. Offset piston ring construction. 2,273,691; Feb. 17.

Boyer, Frederick G. L., as administrator. (See Boyer, William J., assignor.)

Boyer, William J., deceased, Wilmington, Del., by F. G. L. Boyer, administrator, assignor to F. G. L. Boyer, Hamilton, Ohio. Fastening. 2,273,692; Feb. 17.

Boynton, Alexander, San Antonio, Tex. Right and left drill pipe. 2,273,017; Feb. 17.

Braren, Cornelius I., Jamaica, assignor to Standard-Knapp Corporation, Long Island City, N. Y. Can-arranging machine. 2,273,509; Feb. 17.

Brassell, Bryan, Puerto de Luna, N. Mex. Motion-transmitting mechanism. 2,273,173; Feb. 17.

Brauer, Otto H., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Sheet metal journal box. 2,273,510; Feb. 17.

Braun, Willy. (See Koeberle, K., Braun, and Hanusch.)

Bredehoft, Harold A. (See Bolz, A. L., Bredehoft, and Wiebusch.)

Breth, Walter J. (See Engler, M. L., and Breth.)

Brewer, Sherman T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device circuits. 2,273,432; Feb. 17.

Breyley, Clifton C., Spencer, assignor of fifty-hundredths to H. L. Strickland, Rittman, Ohio. Dispensing device. 2,273,618; Feb. 17.

British Rubber Producers' Research Association, The. (See Redfarn, C. A., and Schidrowitz, assignors.)

Britton, Edgar C., R. P. Perkins, and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Purification of acetic acid. 2,273,459; Feb. 17.

Brooks, Oscar, Arkadelphia, Ark. Hot water drain device. 2,273,174; Feb. 17.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Whip roll. 2,273,460; Feb. 17.

Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)

Brown Instrument Company, The. (See McGillin, Howard O., assignor.)

Brown, Linwood M., Pittsburgh, Pa., assignor to L. M. Brown, Inc. Forging machine. 2,273,175; Feb. 17.

Brown, L. M., Inc. (See Brown, Linwood M., assignor.)

Brown, Marion G., Tacoma, Wash. Surgical cast. 2,273,792; Feb. 17.

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, New York, N. Y. Cathode ray tube. 2,273,433; Feb. 17.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Cooling weld joints. 2,273,086; Feb. 17.

Brück, Lothar, Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means to transform an alternating potential. 2,273,511; Feb. 17.

Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver circuits. 2,273,619; Feb. 17.

Brunauer, Stephen, and J. P. Schultz, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Production of calcium metal-phosphate and hydrogen. 2,273,461; Feb. 17.

Brunswick-Balke-Collender Company, The. (See Guyton, Robert H., assignor.)

Brunswick-Balke-Collender Company, The. (See Welcker, Carl H., assignor.)

Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Substituted aromatic aliphatic ether chlorides and process. 2,273,622; Feb. 17.

Bryan, William M., St. Petersburg, and W. F. Peters, Miami, Fla., assignors to Wingfoot Corporation, Wilmington, Del. Demonstrating device. 2,273,462; Feb. 17.

Buckeye, Mae D., et al. (See Lowther, W. W., and Nohavec, assignors.)

Buckeye, Ralph A., et al. (See Lowther, W. W., and Nohavec, assignors.)

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Bukolt, Roman B., Stevens Point, Wis. Washing machine. 2,273,749; Feb. 17.

Burchell, Fford, Port Chester, assignor of twenty-three one-hundredths to J. Q. A. Halloway, Brooklyn, and one-tenth to J. J. Ryan, New York, N. Y. Ophthalmic device. 2,273,434; Feb. 17.

Burcky, Charles W., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,273,018; Feb. 17.

Burgess, Walter K., Riverside, Calif. Pump. 2,273,558; Feb. 17.

Burks, James B., Houston, assignor of one-third to M. B. Taylor, Harris County, Tex. Valve assembly. 2,273,693; Feb. 17.

Burnett, Crystal, Clinton, Utah. Receptacle. 2,273,559; Feb. 17.

Burrell, Edward R., Akron, Ohio. Brake mechanism. 2,273,345; Feb. 17.

Burrell, Thomas L., Cleveland, Ohio. Guide mechanism. 2,273,087; Feb. 17.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam structure. 2,273,623; Feb. 17.
Butler, Edmund J. (See Sachsenmaier, E. S., and Butler.)
Butler, Frank D., U. S. Navy. Fuel measuring and distributing pump for oil engines. 2,273,019; Feb. 17.
Burt, Fred C., New Hudson, Mich. Floor heater. 2,273,176; Feb. 17.
Byers, George, Los Angeles, Calif. Massaging table. 2,273,088; Feb. 17.
C-S Engineering Company. (See Schellens, Eugene L. and C. A., assignors.)
Caldwell, Geoffrey D., and G. M. Hathorn, Claude, Tex. Viewing instrument for stereoscopic pictures and the like. 2,273,512; Feb. 17.
Calicchio, Domenick, New York, N. Y. Pitch modifying mouthpiece for brass wind musical instruments. 2,273,177; Feb. 17.
California Fruit Growers Exchange. (See Hirsch, Paul, assignor.)
California Fruit Growers Exchange. (See Joseph, Glenn H., assignor.)
Calvert, William C., Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del. Coating. 2,273,560; Feb. 17.
Campbell, John F., Cuyahoga Falls, and J. F. Ringlein, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Apparatus for splicing rubber articles. 2,273,463; Feb. 17.
Campbell, John F., Cuyahoga Falls, and J. F. Ringlein, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Splicing rubber articles. 2,273,464; Feb. 17.
Campbell, Rolla G., and D. B. McLouth, Detroit, Mich., assignors to McLouth Steel Corporation. Apparatus for removing weld flash from sheet metal. 2,273,624; Feb. 17.
Campbell, Rouel R., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Taping machine. 2,273,346; Feb. 17.
Campbell, Sumner E., Long Beach, Calif. Apparatus for treating oils. 2,273,482; Feb. 17.
Carbide and Carbon Chemicals Corporation. (See Rugeley, E. W., and Feild, assignors.)
Carlson, David, Chicago, Ill. Table. 2,273,006; Feb. 17.
Carlton, Chester M., McIvor, Mich. Device for printing meter readings. 2,273,513; Feb. 17.
Carlson, Johannes R. (See Edwards, W. F., and Carlson.)
Carpenter, Morris T., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion apparatus. 2,273,089; Feb. 17.
Carter Carburetor Corporation. (See Kommer, F. A., and Smith, assignors.)
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission line matching. 2,273,465; Feb. 17.
Carter, Roy E. (See Boron, E. F., and Carter.)
Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Locking thread carrier bar. 2,273,248; Feb. 17.
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Celanese Corporation of America. (See Whitehead, William.)
Cenis, Edward F., Spokane, Wash. Shovel. 2,273,561; Feb. 17.
Central Specialty Company. (See Lonskey, J. H., and Rice, assignors.)
Cervenka, George H., Berwyn, Ill. Gauge for stock saws and other cutting machines. 2,273,249; Feb. 17.
Chamberlin, Earl A., Cedar Rapids, Iowa. Venetian blind cleaning machine. 2,273,514; Feb. 17.
Charlton, George, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Making valve parts or the like. 2,273,250; Feb. 17.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,273,251; Feb. 17.
Chaslyn Company, The. (See Linebarger, Charles E.)
Chater, John A., Medina, assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Fruit brushing machine. 2,273,020; Feb. 17.
Chavannes, Marc A. (See Schwartz, F. F., and Chavannes.)
Chemical Marketing Company Inc. (See Goette, August, assignor.)
Chemical Products Company of New Jersey, Inc. (See Hofman, Emil, assignor.)
Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of gasoline. 2,273,312; Feb. 17.
Chicago Bridge & Iron Company. (See Thomas, Frank P., assignor.)
Chicago Metal Hose Corporation. (See Dreyer, Albert, assignor.)
Chicago Pneumatic Tool Company. (See Connell, Edwin L., assignor.)
Chicago Pneumatic Tool Company. (See Fitch, Clifford E., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Ciesielski, Adolph. (See Goodloe, A. M., and Ciesielski.)
Clagett, William H., Jr., Mason City, Wash. Determining the consistency of concrete mixtures. 2,273,750; Feb. 17.
Clapp, Albert L., Danvers, Mass. Plastic or spreadable fiber-binder composition and making sheets, boards, and molded articles therefrom. 2,273,313; Feb. 17.
Clark Equipment Company. (See Dunham, E. J., and Gunning, assignors.)
Clark Equipment Company. (See Spatta, George, assignor.)
Cleaves, William S., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,273,314; Feb. 17.
Cleveland Switchboard Company, The. (See Hafemeister, Fred F., assignor.)
Clifford Manufacturing Co. (See Woods, John E., assignor.)
Coker, Samuel W., Colorado, assignor of one-half to R. F. Singleton, Dallas, Tex. Multiple gang cultivator. 2,273,392; Feb. 17.
Cole, John W. (See Julian, P. L., and Cole.)
Collins, Neil R., San Francisco, assignor to Marine Magnesium Products Corporation. Manufacture of magnesium products from brine. 2,273,178; Feb. 17.
Colwill, Richard H. (See Euth, J. E., and Colwill.)
Compton, J. C. (See Davis, Oscar O., assignor.)
Concannon, Thomas G., Emporia, Kans. Internal combustion engine. 2,273,625; Feb. 17.
Condenser Development Corporation. (See Teaf, John H., assignor.)
Connell, Edwin L., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Two-speed sander. 2,273,626; Feb. 17.
Connolly, Bernard F. (See Jensen, J. O., and Connolly.)
Consolidated Edison Company of New York, Inc. (See Xenis, C. P., Perine, and King, assignors.)
Consolidated Packaging Machinery Corporation. (See Moore, Royal T., assignor.)
Continental Motors Corporation. (See Jackson, Thomas, assignor.)
Conver Steel & Wire Co. Incorporated. (See La Grotta, Frank, assignor.)
Cooper, Joseph T., Los Angeles, Calif. Seal. 2,273,007; Feb. 17.
Corley, William F. (See Couty, N. M., and Corley.)
Cotner, John C., Logansport, Ind., assignor to Logansport Machine, Inc. Hydraulic work device. 2,273,315; Feb. 17.
Couse, Kibbey W., Newark, N. J. Warming up and drying out means for automotive equipment. 2,273,502; Feb. 17.
Couse, Kibbey W., Newark, N. J. Low floor level trailer. 2,273,503; Feb. 17.
Couse Laboratories, Inc. (See Beimer, George M., assignor.)
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Heat shielded flexible hose. 2,273,393; Feb. 17.
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Alarm fitting. 2,273,394; Feb. 17.
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Universal tubing fitting. 2,273,395; Feb. 17.
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Swivel hose fitting. 2,273,396; Feb. 17.
Couty, Norman M., Detroit, Mich., assignor to The Flex-O-Tube Company. Swivel hose fitting. 2,273,397; Feb. 17.
Couty, Norman M., and W. F. Corley, Detroit, Mich., assignors to The Flex-O-Tube Company. Flexible hose coupling. 2,273,398; Feb. 17.
Cox, Herbert F., Jr., Murray Hill, N. J., assignor to American Can Company, New York, N. Y. Adhesive applying machine. 2,273,021; Feb. 17.
Crane, Carl J., and G. R. Larkin, Dayton, Ohio. Automatic throttle control. 2,273,022; Feb. 17.
Crane Co. (See Vandenberg, Paul W., assignor.)
Crane, Hubert R., Los Angeles, Calif. Dumbbell-joint pressure-line scraper. 2,273,347; Feb. 17.
Creech, Meri D. (See Raymond, G., Creech, and Feagles.)
Criger, Glenn M. (See Hunter, J. L., and Criger.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Superregenerative limiter. 2,273,090; Feb. 17.
Crown Cork & Seal Company. (See Newton, G. W., and Powell, assignors.)
Crown Iron Works Company. (See Anderson, Clifford H., assignor.)
Cummins, Alfred B., Minneapolis, Minn. Sorting sheets in numerical order. 2,273,252; Feb. 17.
Currie, Otis C., assignor to Reynolds Spring Company, Jackson, Mich. Conveyer slat. 2,273,627; Feb. 17.
Dachlauer, Karl, Hofheim-in-Taunus, Germany, assignor by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Fire-extinguishing liquid. 2,273,515; Feb. 17.
Dahl, Alvin D. (See Heath, S. B., and Dahl.)
Daisy Manufacturing Company. (See Webby, Clive N., assignor.)
Daniels, Robert M., assignor to Holly Sugar Corporation, Colorado Springs, Colo. Beet sugar manufacture. 2,273,253; Feb. 17.

Daugherty, James P., Jr. (See Houdry, E. J., and Daugherty.)
Davey, Edward P., and E. B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,273,562; Feb. 17.
Davis, Lewis, and E. C. Tuukkanen, Worcester, assignors to McLaurin-Jones Co., Brookfield, Mass. Decalcomania paper. 2,273,694; Feb. 17.
Davis, Oscar O., Oakland, Calif., assignor of one-half to J. C. Compton, McMinnville, Oreg. Furnace for road planing machines. 2,273,254; Feb. 17.
Davison-Douglas Corporation. (See Davison, George E., assignor.)
Davison, George E., Washington, D. C., assignor to Davison-Douglas Corporation, New York, N. Y. Rotary valve and lubrication thereof. 2,273,179; Feb. 17.
Dayton Tool and Engineering Company. (See Houk, George, assignor.)
Deagan, Ella L., et al. (See Schluter, Henry J., assignor.)
Deagan, Jack C., et al. (See Schluter, Henry J., assignor.)
De Beaumont, Pierre S., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle antenna. 2,273,628; Feb. 17.
De Bouchelle, Francoise J. (See Waldron, George R., assignor.)
De Castro, Manuel M., Habana, Cuba. Liquid weighing and dispensing apparatus. 2,273,180; Feb. 17.
Deere, John, Tractor Company. (See Ross, J. S., and Worthington, assignors.)
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,273,181; Feb. 17.
Deike, Harry K. (See Anderson, H. J., and Deike.)
Deja, Bernhard. (See Baerenklau, A., and Deja.)
Delamere, John, Denver, Colo. Grounding contact for footwear. 2,273,563; Feb. 17.
Denison, Frederick S. (See McGoldrick, W. J., and Denison.)
De Regnauld de Bellescize, Henri J. J. M., Neuilly-sur-Seine, France. Radiotelephone system. 2,273,023; Feb. 17.
Desamari, Kurt, Leverkusen-I. G. Werk, and R. Hebermehl, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition of halogen containing film forming material. 2,273,436; Feb. 17.
De Silva, Harry R., Cambridge, Mass. Apparatus for ascertaining a subject's behavior when operating a motor vehicle. 2,273,091; Feb. 17.
Detroit Harvester Company. (See Floraday, Burton S., assignor.)
Detroit Harvester Company. (See Kost, Harold W., assignor.)
De Vlieg, Charles B., assignor to National Broach and Machine Company, Inc., Detroit, Mich. Machine tool. 2,273,399; Feb. 17.
De Vries, Andrew. (See Winkler, F. C., and De Vries.)
DeVry Corporation. (See DeVry, H. A., and Nemeth, assignors.)
DeVry, Herman A., and O. R. Nemeth, assignors to DeVry Corporation, Chicago, Ill. Sound recording and reproducing apparatus. 2,273,024; Feb. 17.
Dew, Stanley J., Toronto, Ontario, Canada. Artificial leg. 2,273,695; Feb. 17.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Diamino benzyl alcohols and making same. 2,273,564; Feb. 17.
Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,273,629; Feb. 17.
Dickey, Paul S., Shaker Heights, and C. Johnson, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Air separator and filter. 2,273,779; Feb. 17.
Dietzler, Andrew J. (See Britton, E. C., Perkins, and Dietzler.)
Dillström, Torbjörn V., Stockholm, Sweden, assignor, by mesne assignments, to Mawen Motor Corporation, New York, N. Y. Internal combustion engine. 2,273,025; Feb. 17.
Dimick, Hanna G. (See Owen, David T., assignor.)
Dinsmore, Ray P., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Laminated structure. 2,273,466; Feb. 17.
Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,273,516; Feb. 17.
Dircksen, Arnold D., Dayton, Ohio. Bomb release signal lamp assembly. 2,273,026; Feb. 17.
Ditmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wax acrylate ester blends. 2,273,780; Feb. 17.
Doble Engineering Company. (See Povey, E. H., and Walker, assignors.)
Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Sealing strip. 2,273,182; Feb. 17.
Doehler Die-Casting Co. (See Harrison, George, assignor.)
Dole, George A., Minneapolis, Minn. Humidifier. 2,273,092; Feb. 17.
Donaldson, Margaret M., et al. (See Lowther, W. W., and Nohavec, assignors.)
Donaldson, Robert H., et al. (See Lowther, W. W., and Nohavec, assignors.)
Donaldson, Ruth C., et al. (See Lowther, W. W., and Nohavec, assignors.)
Dow Chemical Company, The. (See Britton, E. C., Perkins, and Dietzler, assignors.)
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dow Chemical Company, The. (See Hanson, A. W., and Goggin, assignors.)
Dow Chemical Company, The. (See Heath, S. B., and Dahl, assignors.)
Drachenberg, Richard, Detroit, Mich. Macerator and juice extractor. 2,273,093; Feb. 17.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Phillips, Martin W., assignor.)
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Ethylated di-isopropyl halobenzene. 2,273,467; Feb. 17.
Dreyer, Albert, Lucerne, Switzerland, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Method and apparatus for making flexible metal tubing. 2,273,027; Feb. 17.
Ducker, William L., Jr., assignor to Walter S. Koons, Tulsa, Okla. Sanding machine. 2,273,696; Feb. 17.
Dunham, Elmer J., and W. Gunning, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Industrial tractor. 2,273,630; Feb. 17.
Dunn, Thomas R., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Beading process. 2,273,437; Feb. 17.
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dittman, Harry R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, G. D., and Merrill, assignors.)
Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hoff, George P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Iler, Ralph K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Robert, assignor.)
Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., and Elston, assignors.)
Du Pont, E. I., de Nemours & Company. (See Searle, Norman E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., and Elston, assignors.)
Du Pont, E. I., de Nemours & Company. (See Searle, Norman E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sturgis, B. M., and Verbanc, assignors.)
Du Pont, E. I., de Nemours & Company. (See Wesp, Edward F., assignor.)
Du Pont, William J., Toledo, Ohio. Portable duct-projecting tool. 2,273,400; Feb. 17.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
E. Z. I. Needle Company Incorporated. (See Rainville, Omer J., assignor.)
Eastman Kodak Company. (See Bean, Frederic R., assignor.)
Eastman Kodak Company. (See Davey, E. P., and Knott, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Hale, Joseph B., assignor.)
Eastman Kodak Company. (See Hasche, Rudolph L., assignor.)
Eastman Kodak Company. (See Jelley, Edwin E., assignor.)
Eaton Manufacturing Company. (See Charlton, George, assignor.)
Eaton, Warren S., Los Angeles, Calif. Splint. 2,273,028; Feb. 17.
Edahl, Knute. (See Holland, C. J., and Edahl.)
Edes, Edward G., Lebanon, Oreg. Removal of skins of filbert nuts. 2,273,183; Feb. 17.
Edwards, Evan A., assignor to Taylor Instrument Companies, Rochester, N. Y. Sanitary fitting for thermometer stems and the like. 2,273,631; Feb. 17.
Edwards, William F., West Hartford, and J. R. Carlson, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch with time control mechanism. 2,273,751; Feb. 17.
Eek, Albin C., Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Cementing machine. 2,273,348; Feb. 17.
Eggert, Johann. (See Gellendien, W., and Eggert.)
Egry Register Company, The. (See Stern, Milton C., assignor.)
Ellersgaard, Asger, Los Angeles, Calif. Excavating and loading machine. 2,273,029; Feb. 17.
Ekstrand, Sture O., Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray tube. 2,273,793; Feb. 17.
Electric Storage Battery Company, The. (See Ambruster, Cornelius, assignor.)

Electro Metallurgical Company. (See Murphy, A. J., and Wells, assignors.)
Elliott, Thomas, Sr., Norfolk, Va., assignor to Victor Products Corporation, Hagerstown, Md. Ice can. 2,273,184; Feb. 17.
Ellis, Elmer A., Medford, Mass. Shoe structure, insole, and making same. 2,273,697; Feb. 17.
Ellis, Fenwick L., Chicago, Ill. Automatic oil feeding device for metal working machines. 2,273,698; Feb. 17.
Elston, Arthur A. (See Reichert, J. S., and Elston.)
Empire Electric Brake Corporation. (See Penrose, William F., assignor.)
Empire Electric Brake Corporation. (See Stockwell, F. C., and Penrose, assignors.)
Encor Corporation. (See Webb, Nelson W., assignor.)
Endres, Thomas A. (See Nelson, R. H., Stith, and Endres.)
Engler, Max L., and W. J. Breth, assignors to The General Tire & Rubber Company, Akron, Ohio. Apparatus for securing valve stems to rubber tubes. 2,273,185; Feb. 17.
Ennor, William T. (See Fink, W. L., and Ennor.)
Enterprise Foundry Corporation. (See Hoehn, Charles J. P., assignor.)
Entwistle, Harold F., Nutley, and M. C. Lewis, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Liquor treating apparatus. 2,273,438; Feb. 17.
Eppey, Frederick I., et al. (See Fishel, Robert G., assignor.)
Euth, John E., and R. H. Colwill, Chicago, Ill., assignors to United Autographic Register Co. Stationery-guide assembly. 2,273,565; Feb. 17.
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Faber, Erich, Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,273,566; Feb. 17.
Fader, James W., Dorchester, Mass. Manifolding mechanism for typewriters. 2,273,255; Feb. 17.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Failor, Charles W. (See Thompson, H. A., and Failor.)
Fairbanks, Morse & Co. (See Brauer, Otto H., assignor.)
Feagles, Ralph L. (See Raymond, G., Creech, and Fea-Pumping apparatus. 2,273,349; Feb. 17.
Farley, Ralph C., and J. W. Gillespie, Henderson, Texgles.)
Feild, Theophilus A., Jr. (See Rugeley, E. W., and Feild.)
Felt & Tarrant Manufacturing Company. (See Leedy, Haldon A., assignor.)
Fenton, Foster T., Baltimore County, Md. Concrete wall construction. 2,273,699; Feb. 17.
Ferguson, Robert P. (See Schumacher, F. W., and Ferguson.)
Ferrando, Francesco and G., Menlo Park, Calif. Sprinkler head. 2,273,401; Feb. 17.
Ferrando, Giuseppe. (See Ferrando, Francesco and G.)
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,273,468; Feb. 17.
Feuerstein, Kurt, Frankfort-on-the-Main, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Decorated foil and film. 2,273,700; Feb. 17.
Field, Donald C. (See Thomas, R. M., and Field.)
Fink, William L., Aspinwall, Pa., and W. T. Ennor, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Wire screen cloth. 2,273,483; Feb. 17.
Fischer, Erich, Bad Soden, Taunus, and R. Huss, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Disazo dyestuffs soluble in water. 2,273,094; Feb. 17.
Fischer, Erich, Bad Soden in Taunus, and H. Henke, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs soluble in water. 2,273,517; Feb. 17.
Fischer, Frederick K., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Closure for high pressure heads. 2,273,186; Feb. 17.
Fishel, Robert G., Evanston, Ill., assignor of one-third to F. I. Eppey, Detroit, Mich., and one-third to A. H. Watson, Highland Park, Ill. Multiple subject and multiple color picture. 2,273,567; Feb. 17.
Fishel, Robert G., Evanston, Ill., assignor of one-third to F. I. Eppey, Detroit, Mich., and one-third to A. H. Watson, Highland Park, Ill. Colored print. 2,273,568; Feb. 17.
Fisher, George F., Oklahoma City, Okla. Automatic animal trap. 2,273,008; Feb. 17.
Fisher, Henry A., Parkersburg, W. Va. Game apparatus. 2,273,009; Feb. 17.
Fisher, Sidney T., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Musical instrument. 2,273,768; Feb. 17.
Fitch, Clifford E., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Internal combustion hammer. 2,273,095; Feb. 17.
Fitzky, Wilhelm, and H. Kracker, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Preparing phenols. 2,273,030; Feb. 17.
Flanze, Günter. (See Ohnesorge, W., Flanze, and Gladenbeck.)
Flex-O-Tube Company, The. (See Couty, Norman M., assignor.)
Flex-O-Tube Company, The. (See Couty, N. M., and Corley, assignors.)
Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Window regulator mechanism. 2,273,632; Feb. 17.
Florenz, John S. (See Kruschwitz, William F. and W. V., and Florenz.)
Florian, Raymond R., Monroe, Mich. Container. 2,273,505; Feb. 17.
Flowers, Henry F., Findlay, Ohio. Electrically powered locomotive drive. 2,273,256; Feb. 17.
Fluchaire, Maurice L. A., and S. Iavorsky, Lyon, assignors to Societe "Rhône-Poulenc", Paris, France. Manufacture of nitriles. 2,273,633; Feb. 17.
Folkers, Karl, Plainfield, and F. Koniuszy, assignors to Merck & Co., Inc., Rahway, N. J. Physiologically active alkaloid from species of erythrina and its production. 2,273,031; Feb. 17.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)
Folmer Graflex Corporation. (See Whitman, V. E., and Nadel, assignors.)
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,273,096; Feb. 17.
Foster, Dudley E., South Orange, N. J., and J. A. Rankin, Jackson Heights, N. Y., assignors to Radio Corporation of America. Frequency modulated wave receiver. 2,273,097; Feb. 17.
Foster, Dudley, E., South Orange, N. J., assignor to Radio Corporation of America. Ultra high frequency receiver. 2,273,098; Feb. 17.
Franklin Simon Co. Inc. (See Gosling, James, Jr., assignor.)
Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck brake. 2,273,634; Feb. 17.
Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,273,695; Feb. 17.
Freeman, George A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sealing electrodes into quartz bulbs. 2,273,439; Feb. 17.
Frey, Henry, Kingston, Pa. Yarn abrading apparatus. 2,273,752; Feb. 17.
Fry, Walter C., and H. L. Bedell, Augusta, Kans., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Handling dehydration. 2,273,350; Feb. 17.
Fuller Company. (See Morrow, Joseph H., assignor.)
Funke, Juliann W., Pelham Manor, N. Y. Narrow fabric holder device. 2,273,701; Feb. 17.
G-H Specialty Company. (See Meyer, Joseph J., assignor.)
Gardner, Charles E., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Lining cartons. 2,273,470; Feb. 17.
Gardner, Karl A., Freeport, assignor to The Griscom-Russell Company, New York, N. Y. Evaporation of liquefied gases. 2,273,257; Feb. 17.
Gates, Harley M. (See Tasker, Robert A., assignor.)
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Geitgey, Irvin. (See Peterson, S. E., and Geitgey.)
Gelinas, Ralph L., East Stroudsburg, Pa. Antiskid device. 2,273,753; Feb. 17.
Gellendien, Walter, Berlin-Charlottenburg, and J. Eggert, Berlin, Germany, assignors, by mesne assignments, to "Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren," Zurich, Switzerland. Procedure for the dressing and softening of cellulose products. 2,273,636; Feb. 17.
Gemex Company. (See Prestinari, Eugen, assignor.)
General Aniline & Film Corporation. (See Bächle, Otto, assignor.)
General Aniline & Film Corporation. (See Barnhart, Herbert S., assignor.)
General Aniline & Film Corporation. (See Dachlauer, Karl, assignor.)
General Aniline & Film Corporation. (See Fischer, E., and Henke, assignors.)
General Aniline & Film Corporation. (See Fischer, E., and Huss, assignors.)
General Aniline & Film Corporation. (See Fitzky, W., and Kracker, assignors.)
General Aniline & Film Corporation. (See Haberland, Ulrich, assignor.)
General Aniline & Film Corporation. (See Koeberle, K., Braun, and Hanusch, assignors.)
General Aniline & Film Corporation. (See Kracker, H., Schumacher, Schwind, and Seidenfaden, assignors.)
General Aniline & Film Corporation. (See Kranzlein, G., Kirst, Renn, and Seidenfaden, assignors.)
General Aniline & Film Corporation. (See Kränzlein, G., and Muller, assignors.)
General Aniline & Film Corporation. (See Reppe, W., Keyssner, and Hecht, assignors.)

General Container Corporation. (See Vandervort, Paul F., assignor.)
General Electric Company. (See Baldwin, Charles F., assignor.)
General Electric Company. (See Faber, Erich, assignor.)
General Electric Company. (See Irby, William, assignor.)
General Electric Company. (See Moyer, Elmoe E., assignor.)
General Electric Company. (See Neher, John H., assignor.)
General Motors Corporation. (See Kelley, Gilbert A., assignor.)
General Motors Corporation. (See Olt, Richard G., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Westra, Chancey B., assignor.)
General Motors Corporation. (See Young, Otto W., assignor.)
General Steel Castings Corporation. (See Frede, Charles F., assignor.)
General Tire & Rubber Company, The. (See Dodge, Howard M., assignor.)
General Tire & Rubber Company, The. (See Engler, M. L. and Breth, assignors.)
General Tire & Rubber Company, The. (See Pfeiffer, Paul O., assignor.)
General Transformer Corporation. (See Pollak, James, assignor.)
George, Jerome R., Marion, Mass. Wall construction. 2,273,485; Feb. 17.
George, Ross F., Seattle, Wash. Broad-tipped pen and feeder. 2,273,702; Feb. 17.
Giddings & Lewis Machine Tool Co. (See Woytych, Raymond M., assignor.)
Gilbert, Charles E., New York, N. Y. Electric connector contact element strip and making the same. 2,273,099; Feb. 17.
Gillespie, J. W. (See Farley, R. C., and Gillespie.)
Gille, Willis H., St. Paul, Minn., assignor to Power Research Corporation, Boston, Mass. Piston ring. 2,273,703; Feb. 17.
Gillett, Thomas R. (See Holven, A. L., and Gillett.)
Gilman Fanfold Corporation. (See Willard, Robert P., assignor.)
Gladenbeck, Friedrich. (See Ohnesorge, W., Flanze, and Gladenbeck.)
Glassey, Joyce M., et al. (See Glassey, Philip P., assignor.)
Glassey, Philip P., Manlius, assignor of one-third to T. E. Simonton, Cazenovia, N. Y., and two-thirds to J. M. Glassey. Copyholder. 2,273,486; Feb. 17.
Gleason, Anthony H., Elizabeth, N. J., assignor to Standard Oil Development Company. Condensation products. 2,273,100; Feb. 17.
Glendenning, Everett B. (See Black, A. R., and Glendenning.)
Glidden Company, The. (See Julian, P. L., and Cole, assignors.)
Gloor, Walter E., Milltown, N. J., assignor to Hercules Powder Company, Wilmington, Del. Insulating electrical conductors. 2,273,518; Feb. 17.
Glover, Alan M., East Orange, N. J., assignor to Radio Corporation of America. Phototube. 2,273,637; Feb. 17.
Godvin, John B., Orange, N. J., and H. D. Penney, Pelham, N. Y.; E. Penney executrix of said H. D. Penney, deceased. Metal loose leaf binder. 2,273,187; Feb. 17.
Goerg, Henry J., Grosse Pointe Park, and O. Schlageter, Detroit, Mich. Color projector. 2,273,316; Feb. 17.
Goette, August, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Recovery of silver. 2,273,569; Feb. 17.
Goetz, Maurus T., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Dual magazine control. 2,273,032; Feb. 17.
Goggin, William C. (See Hanson, A. W., and Goggin.)
Goodloe, Alfred M., Montclair, and A. Ciesielski, Newark, assignors to Metal Textile Corporation, West Orange, N. J. Scouring device. 2,273,033; Feb. 17.
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goodrich, B. F., Company, The. (See Wolf, Ralph F., assignor.)
Goralske, Arthur W. (See Louviaux, R. J., and Goralske.)
Gosling, James, Jr., Paterson, N. J., assignor to Franklin Simon Co. Inc., New York, N. Y. Advertising device. 2,273,259 Feb. 17.
Gould, Arthur R, Derby, Colo. Alarm box. 2,273,440; Feb. 17.
Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)
Graves, George De W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for producing artificial structures. 2,273,188; Feb. 17.
Graves, George D., and W. J. Merrill, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinnerette lubricant. 2,273,638; Feb. 17.
Greenlees, Edward E., Flint, Mich. Illuminating attachment for vehicle door locks. 2,273,570; Feb. 17.
Grey, Ralph E., Fairfield, Ohio. Pump. 2,273,034; Feb. 17.
Griffith-Hope Company. (See Hope, Samuel N. assignor.)
Griffith, Le Roy A. (See Kutzler, R. J., and Griffith.)
Griscom-Russell Company, The. (See Gardner, Karl A., assignor.)
Grisdale, Richard O., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical conducting material. 2,273,704; Feb. 17.
Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Boring tool holder. 2,273,258; Feb. 17.
Groetschel, Karl M. (See Toussaint, H., Groetschel, and Jasper.)
Grosse, Aristid V. (See Ipatieff, V. N., and Grosse.)
Guerrero, Diego, Brooklyn, N. Y. Railroad safety device. 2,273,705; Feb. 17.
Guinot, Henri M. E., Niort, assignor to Les Usines de Melle, Melle, Deux-Sevres, France. Manufacturing synthetic rubber from furfurol. 2,273,484; Feb. 17.
Guler, George D., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating and control system. 2,273,260; Feb. 17.
Gump, Abraham L., San Francisco, Calif. Safety razor blade. 2,273,261; Feb. 17.
Gunder, Robert J., assignor to Hamilton Watch Company, Lancaster, Pa. Shipping and display portfolio. 2,273,351; Feb. 17.
Gunning, Wayne. (See Dunham, E. J., and Gunning.)
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and apparatus for sealing vitreous vessels. 2,273,441; Feb. 17.
Guyton, Robert H., Oak Park, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bottle cooler. 2,273,189; Feb. 17.
H D Electric Company. (See Mitchell, Chester F., assignor.)
Haantjes, Johan, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifier circuit. 2,273,519; Feb. 17.
Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selectivity control circuit. 2,273,639; Feb. 17.
Haantjes, Johan, and B. D. H. Tellegen, Eindhoven, Netherlands, assignors to Radio Corporation of America. Superheterodyne receiver. 2,273,640; Feb. 17.
Haberland, Ulrich, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Iron oxide pigments and producing the same. 2,273,101; Feb. 17.
Hafemeister, Fred F., Cleveland Heights, assignor to The Cleveland Switchboard Company, Cleveland, Ohio. Pipe hanger. 2,273,571; Feb. 17.
Hafner, Marcelite F., New York, N. Y. Animal garment. 2,273,706; Feb. 17.
Haider, Joseph G., et al. (See Haider, Martin M., assignor.)
Haider, Martin M., assignor of one-third to J. G. Haider and one-third to R. Mottl, St. Paul, Minn. Portable elevator. 2,273,572; Feb. 17.
Hale, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of polyvinyl acetal resins. 2,273,035; Feb. 17.
Halloway, John Q. A., et al. (See Burchell, Ford, assignor.)
Hamilton Watch Company. (See Gunder, Robert J., assignor.)
Hand, Howard H., Corpus Christi, Tex. Rotary internal combustion engine. 2,273,754; Feb. 17.
Hans, Edmund E., Detroit, Mich. Internal combustion engine. 2,273,352; Feb. 17.
Hansen, Siegfried, Schenectady, N. Y. Electric governor or throttling means. 2,273,317; Feb. 17.
Hanson, Alden W., and W. C. Goggin, assignors to The Dow Chemical Company, Midland, Mich. Stabilized vinylidene chloride compositions. 2,273,262; Feb. 17.
Hanusch, Fritz. (See Koeberle, K., Braun, and Hanusch.)
Happel, John, Jr., Brooklyn, and D. W. Robertson, Queens Village, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Sweetening petroleum oils. 2,273,263; Feb. 17.
Hardenberg, Jan J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Producing sound records. 2,273,755; Feb. 17.
Harding, William G. (See Murtagh, H., and Harding.)
Harding, William G., Whitton, and R. H. Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscope. 2,273,769; Feb. 17.
Harding, William G., Whitton, and R. H. Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. System for transmitting indications. 2,273,808; Feb. 17.
Hardy, Cortner M. (See McKee, William F., assignor.)
Harel, Lucien, Barcelona, Spain. Piston packing. 2,273,794; Feb. 17.
Harris, Cyrus W., Sacramento, assignor of one-half to D. C. Pedrini, Stockton, Calif. Launching device for lifeboats. 2,273,318; Feb. 17.

Harris, Harry A., Whittier, and D. Rasky, Los Angeles, Calif. Grip bolt. 2,273,102; Feb. 17.
Harris, Oran P., Richmond, Ind. Illuminated push button switch. 2,273,353; Feb. 17.
Harrison, George, assignor to Doehler Die-Casting Co., Toledo, Ohio. Making molded knobs or balls. 2,273,190; Feb. 17.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,273,103; Feb. 17.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,273,191; Feb. 17.
Hartford-Empire Company. (See Berthold, Walter K., assignor.)
Hartford National Bank and Trust Company, as trustee. (See Hardenberg, Jan J., assignor.)
Hartford National Bank and Trust Company, as trustee. (See Reerink, E. H., and van der Willigen, assignors.)
Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Treating alcohol, and catalyst therefor. 2,273,573; Feb. 17.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,273,192; Feb. 17.
Hathaway, Louis M. (See Shannon, J. W., Hathaway, and McKee.)
Hathorn, George M. (See Caldwell, G. D., and Hathorn.)
Hauenstein, Peter. (See Staley, Guy W., assignor.)
Hayes, Sidney P., West Valley, N. Y. Sirup evaporator. 2,273,402; Feb. 17.
Hayner, Alex, assignor to United Shoe Machinery Corporation, Boston, Mass. Manufacturing fiber fastening material. 2,273,354; Feb. 17.
Hazard, William H., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Pump construction. 2,273,403; Feb. 17.
Hazeltine Corporation. (See Jones, Townsend S., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Healey, Francis J., Surbiton, England. Variable velocity ratio gearing. 2,273,404; Feb. 17.
Heath, Sheldon B., and A. D. Dahl, assignors to The Dow Chemical Company, Midland, Mich. Making pure magnesium oxide. 2,273,707; Feb. 17.
Hebermehl, Reinhard. (See Desamari, K., and Hebermehl.)
Hecht, Otto. (See Reppe, W., Keyssner, and Hecht.)
Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for the production of artificial structures. 2,273,105; Feb. 17.
Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of artificial yarns. 2,273,106; Feb. 17.
Hedberg, Carl W. J., Bound Brook, and J. Phyl, Fanwood, N. J., assignors to Research Corporation, New York, N. Y. Gas cleaning. 2,273,194; Feb. 17.
Hedu, Jon, assignor to The Watertown Manufacturing Company, Watertown, Conn. Handle for luggage or the like. 2,273,442; Feb. 17.
Heilman, William O., Cranford, N. J., assignor to Standard Oil Development Company. Refining mineral oils. 2,273,104; Feb. 17.
Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
Heise, George W. (See Janes, M., and Heise.)
Heise, George W., Rocky River, and E. A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc. Electrodeposition of metals. 2,273,036; Feb. 17.
Heise, George W., Rocky River, and E. A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc. Electrolytic process. 2,273,795; Feb. 17.
Heise, George W., Rocky River, and E. A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company. Electrolytic preparation of nitrogen compounds. 2,273,796; Feb. 17.
Heise, George W., Rocky River, and E. A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc. Electrolyzing brines. 2,273,797; Feb. 17.
Heise, George W., Rocky River, and E. A. Schumacher, Parma, Ohio, assignors to National Carbon Company, Inc. Electrolytic process. 2,273,798; Feb. 17.
Helsing, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission and shaping. 2,273,193; Feb. 17.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,273,195; Feb. 17.
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henderson, Fred A., assignor of one-half to Moore Fabric Company, Pawtucket, R. I. Supporting brushes. 2,273,641; Feb. 17.
Henderson, Fred A., assignor of one-half to Moore Fabric Company, Pawtucket, R. I. Brush supporting device. 2,273,642; Feb. 17.
Henke, Hans. (See Fischer, E., and Henke.)
Henninger, Andrew F., and G. D., Chicago, Ill. Light source. 2,273,520; Feb. 17.
Henninger, George D. (See Henninger, Andrew F. and G. D.)
Hercules Powder Company. (See Gloor, Walter E., assignor.)
Hercules Powder Company. (See Ray, Philip A., assignor.)
Hercules Powder Company. (See Traylor, Waldorf S., assignor.)
Hermani, Louis, Baltimore, Md., assignor to Owens-Illinois Can Company. Apparatus for opening metal containers. 2,273,264; Feb. 17.
Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,273,107; Feb. 17.
Hesse, Gerhard, Marburg-on-the-Lahn, assignor to The firm C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Preparation of uscharin and uscharidin. 2,273,196; Feb. 17.
Heyel, Frederick W., East Port Chester, assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Tape feeding and retracting device. 2,273,265; Feb. 17.
Heyman, Horace W., Kenilworth, N. J. Strain-relief means for electrical cords. 2,273,487; Feb. 17.
Hibberd, Frederick H., Harrison, N. Y. Method and apparatus for treating air. 2,273,108; Feb. 17.
Hightower, Joseph M., Houston, assignor to M. G. Shutte, Harris County, Tex. Form for concrete footing. 2,273,109; Feb. 17.
Hillberg, Bror, assignor, by mesne assignments, to Superior Concrete Accessories, Chicago, Ill. Combined bar support and spacer. 2,273,197; Feb. 17.
Hillberg, Bror, assignor, by mesne assignments, to Superior Concrete Accessories, Chicago, Ill. Tie wire clamp. 2,273,198; Feb. 17.
Hilton, Norman C., Glen Ridge, and J. N. Kuzmick, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Bowling ball finger grip. 2,273,199; Feb. 17.
Himes, Ross A., Oakland, assignor to Nolax Company of America, Emeryville, Calif. Bottle carrier. 2,273,266; Feb. 17.
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Range finder for photographic purposes. 2,273,355; Feb. 17.
Hirsch, Paul, Palermo, Italy, assignor, by mesne assignments, to California Fruit Growers Exchange, Los Angeles, Calif. Treatment of pectinous materials. 2,273,521; Feb. 17.
Hochwalt, Carroll A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Transmitting heat and power. 2,273,781; Feb. 17.
Hoehn, Charles J. P., assignor to Enterprise Foundry Corporation, San Francisco, Calif. Disintegrator. 2,273,405; Feb. 17.
Hoff, George P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial structure. 2,273,200; Feb. 17.
Hofman, Emil, assignor to Chemical Products Company of New Jersey, Inc., Newark, N. J. Sealing electrical conductors to quartz. 2,273,488; Feb. 17.
Hofmann, Alfred, & Company. (See Anderson, Victor, assignor.)
Holland Company. (See Holland, C. J., and Edahl, assignors.)
Holland, Cyrus J., and K. Edahl, Chicago, Ill., assignors to Holland Company. High speed railway car truck. 2,273,201; Feb. 17.
Holley, Earl et al. (See Udale, Stanley M., assignor.)
Holley, George M., et al. (See Udale, Stanley M., assignor.)
Holly Sugar Corporation. (See Daniels, Robert M., assignor.)
Holmes, Mary H., Bexhill-on-Sea, England. Stretcher for articles of clothing. 2,273,489; Feb. 17.
Holven, Alfred L., and T. R. Gilbert, Crockett, Calif. Photoelectric color measuring and analyzing apparatus. 2,273,356; Feb. 17.
Honerkamp, Friedrich, New York, N. Y., assignor to Anemostat Corporation of America. Fan. 2,273,756; Feb. 17.
Hooker Electrochemical Company. (See Kimball, Richard H., assignor.)
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Cup dispenser. 2,273,644; Feb. 17.
Horowitz, Alexandre, and H. Rinia, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Adjustable slidable-electrode condenser. 2,273,522; Feb. 17.
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Houdaille-Hershey Corporation. (See Johnson, Bernard C., assignor.)
Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houk, Alva L. (See Bock, L. H., and Houk.)
Houlis, Louis D., Cincinnati, Ohio. Air conditioning apparatus. 2,273,357; Feb. 17.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sterilizing device. 2,273,037; Feb. 17.
Houdry, Eugene J., Ardmore, and J. P. Daugherty, Jr., Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Polymerization of gases. 2,273,038; Feb. 17.

Houdry Process Corporation. (See Houdry, E. J., and Daugherty, assignors.)
Houk, George, assignor to Dayton Tool and Engineering Company, Dayton, Ohio. Type mounting structure. 2,273,267; Feb. 17.
Hudson, Monie S., Spartanburg, S. C. Treating wood and wood products. 2,273,039; Feb. 17.
Huebsch Manufacturing Company. (See Watson, Thomas S., assignor.)
Huggins, Clifford L., Chicago, Ill. Toilet seat cover package. 2,273,319; Feb. 17.
Hughes, William G. (See Milliard, G. E., and Hughes.)
Humphrey, Robert T., Longwood, Fla. Wheel brake mechanism. 2,273,574; Feb. 17.
Hunt, Seymour, Flushing, N. Y., assignor to Radio Corporation of America. Frequency modulated carrier detector. 2,273,771; Feb. 17.
Hunter, Joseph L., and G. M. Criger, Riverside, Calif., said Criger assignor to said Hunter. Method and apparatus for driving nails. 2,273,268; Feb. 17.
Hurd, Loren C., Glenside, assignor to Röhm & Haas Company, Philadelphia, Pa. Electrolytic preparation of yellow cuprous oxide. 2,273,643; Feb. 17.
Hurd, Loren C., Glenside, assignor to Röhm & Haas Company, Philadelphia, Pa. Stable yellow cuprous oxide. 2,273,708; Feb. 17.
Hurlbut, Newell G., Joplin, Mo. Display rack. 2,273,575; Feb. 17.
Huss, Richard. (See Fischer, E., and Huss.)
Hyde, Francis, Sioux Falls, S. Dak. Ring expander. 2,273,358; Feb. 17.
Hyde, J. Scott, et al. (See Klaes, John F., assignor.)
Hygrade Sylvania Corporation. (See Jensen, Arne S., assignor.)
Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)
Hydraulic Development Corp. Inc., The. (See Lawyer, Ira B., assignor.)
Hydraulic Development Corp. Inc., The. (See Muller, Johan A., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Desamaria, K., and Hebermehl, assignors.)
Iavorsky, Serge. (See Fluchaire, M. L. A., and Iavorsky.)
Iler, Ralph K., East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and product. 2,273,040; Feb. 17.
Illinois Tool Works. (See Irwin, Charles J., assignor.)
Imperial Chemical Industries Limited. (See Renfrew, Archibald, assignor.)
Industrial Patents Corporation. (See Ingle, James D., assignor.)
Ingersoll-Rand Company. (See McConaghy, James W., assignor.)
Ingle, James D., assignor to Industrial Patents Corporation, Chicago, Ill. Dried milk product. 2,273,469; Feb. 17.
International Nickel Company, The. (See Wise, E. M., and Vines, assignors.)
Iowa Manufacturing Company. (See Pollitz, Harold C., assignor.)
Ipatieff, Vladimir N., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon reactions. 2,273,320; Feb. 17.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,273,041; Feb. 17.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,273,042; Feb. 17.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,273,043; Feb. 17.
Irby, William, Saugus, Mass., assignor to General Electric Company. Reflector. 2,273,576; Feb. 17.
Irwin, Charles J., assignor to Illinois Tool Works, Chicago, Ill. Washer feeding device. 2,273,782; Feb. 17.
Irwin, Charles J., assignor to Illinois Tool Works, Chicago, Ill. Washer feeding device. 2,273,783; Feb. 17.
Jabelmann, Otto, and L. K. Botteron, Omaha, Nebr. Exhaust nozzle for locomotives. 2,273,490; Feb. 17.
Jackson, Thomas, Kokomo, Ind., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,273,202; Feb. 17.
Jacob Manufacturing Company, The. (See Stoner, Arthur M., assignor.)
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield construction. 2,273,523; Feb. 17.
Janes, Milton, Lakewood, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc. Electrolytic reduction. 2,273,799; Feb. 17.
Jarrett, Tracy C. (See Wrighton, W. J. and Jarrett.)
Jasper, Karl Theodor. (See Toussaint, H., Groetschel, and Jasper.)
Jelley, Edwin E., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of gelatin. 2,273,577; Feb. 17.
Jensen, Arne S., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent type indicator tube. 2,273,800; Feb. 17.
Jensen, Jens O., Miami Beach, Fla., and B. F. Connolly, New York, N. Y.; said Jensen assignor to said Connolly. Shaving device with offset slots. 2,273,524; Feb. 17.
Johnson, Bernard C., Libertyville, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Spool. 2,273,525; Feb. 17.
Johnson, Carl A., Astoria, Long Island, N. Y. Quick detachable electric lamp and socket construction. 2,273,645; Feb. 17.
Johnson, Clarence. (See Dickey, P. S., and Johnson.)
Johnson, Frederick W., Santa Cruz, Calif. Material handling machine. 2,273,359; Feb. 17.
Johnson, Garnet C., Pasadena, Calif. Wire stretching and twisting device. 2,273,526; Feb. 17.
Johnson, Harry H., Boston, Mass. Device for supporting an implement on a digit during use. 2,273,044; Feb. 17.
Johnson, Karl R. (See Keene, G. W., and Johnson.)
Johnson, Robert, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic esters. 2,273,269; Feb. 17.
Johnson, William H., Cranston, assignor to Weskenson Corporation, Providence, R. I. Clutch. 2,273,646; Feb. 17.
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Amino axyl polysulphides and making the same. 2,273,321; Feb. 17.
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Organic vulcanizing agent. 2,273,322; Feb. 17.
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Accelerator of vulcanization. 2,273,323; Feb. 17.
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Accelerator of vulcanization. 2,273,324; Feb. 17.
Jones, Townsend S., Great Neck, N. Y., assignor to Hazeltine Corporation. Electric power transmission circuit. 2,273,709; Feb. 17.
Joseph, Glenn H., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Treatment of pectinous material. 2,273,527; Feb. 17.
Julian, Percy L., Maywood, and J. W. Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Recovering sterols. 2,273,045; Feb. 17.
Julian, Percy L., Maywood, and J. W. Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Recovering sterols. 2,273,046; Feb. 17.
Kahl, John O., assignor to Acme Gear & Machine Company, Philadelphia, Pa. Worm gearing. 2,273,784; Feb. 17.
Kalio, Inc. (See Verbeek, Arnold F., assignor.)
Karp, Edward J., assignor to G. S. Blakeslee & Co., Cicero, Ill. Roller support. 2,273,528; Feb. 17.
Keene, George W., and R. R. Johnson, Waterman, Ill.; said Johnson assignor to said Keene. Posthole digger. 2,273,203; Feb. 17.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Kelley, Frank A. (See Meider, Philip, assignor.)
Kelley, Gilbert A., Toledo, assignor to General Motors Corporation, Dayton, Ohio. Concentration apparatus. 2,273,270; Feb. 17.
Kellogg Company. (See Raymer, Morris M., assignor.)
Kelsey-Hayes Wheel Company. (See Batle, Joseph E., assignor.)
Kenyon, Reid L., Middletown, Ohio, and H. Tobin, Butler, Pa., assignors to The American Rolling Mill Company, Middletown, Ohio. Car wheel. 2,273,047; Feb. 17.
Kerns, Frank W., Berkeley, Calif. Apparatus for removing solids from fluids. 2,273,271; Feb. 17.
Ketay, Morris F. (See Reichel, W. A., and Ketay.)
Ketchum, Henry G. (See Taylor, Thomas H., assignor.)
Keyes Fibre Company. (See Manson, George J., assignor.)
Keyssner, Ernst. (See Reppe, W., Keyssner, and Hecht.)
Kidder, Frank W., Los Angeles, Calif. Light pencil. 2,273,360; Feb. 17.
Kiefer, Homer W., Princeton, N. J. Wire stripping implement. 2,273,048; Feb. 17.
Kiefer, William R., assignor to Sundstrand Engineering Co., Rockford, Ill. Hum eliminator. 2,273,529; Feb. 17.
Kimball, Charles N., East Orange, N. J., and G. C. Szikla, Bloomington, Ind., assignors to Radio Corporation of America. Frequency modulated wave receiver. 2,273,110; Feb. 17.
Kimball, Richard H., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Di(arylalkyl)sulphide. 2,273,471. Feb. 17.
Kindl, Frederick H., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure control system. 2,273,111; Feb. 17.
King, Douglas H., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 2,273,530; Feb. 17.
King, Edward A., Boston, Mass., assignor of one-half to Moore Fabric Company, Pawtucket, R. I. Multiply collar. 2,273,647; Feb. 17.
King, James T., Burbank, Calif. Hose clamp. 2,273,578; Feb. 17.
King, Robert E. (See Xenis, C. P., Perine, and King.)
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Warp letoff motion. 2,273,325; Feb. 17.
Kinzel, Augustus B., Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for hardening surfaces of metal bodies. 2,273,809; Feb. 17.

Kirst, Werner. (See Kranzlein, G., Kirst, Renn, and Seidenfaden.)
Klaes, Helen Margaret, et al. (See Klaes, John F., assignor.)
Klaes, John F., assignor, by mesne assignments, of one-half to J. S. Hyde, Denver, Colo., and one-half to H. M. Klaes, San Francisco, Calif. Massage device. 2,273,710; Feb. 17.
Klaess, Raymond F. (See Kleinhenz, John G., assignor.)
Klein, Mark, Flushing, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezocrystal device. 2,273,711; Feb. 17.
Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Signature gathering. 2,273,049; Feb. 17.
Kleinhenz, John G., assignor of fifteen per cent to R. F. Klaess, Rockville Centre, N. Y. Color camera and projector. 2,273,112; Feb. 17.
Klös, Heinrich, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Organic mercury compound. 2,273,443; Feb. 17.
Knauer, Berthold, East Norwalk, and E. H. Owen, Old Greenwich, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Tape and letter printing device. 2,273,272; Feb. 17.
Kneubuehl, Herman J., Shanesville, Ohio. Safety mechanism for firearms. 2,273,204; Feb. 17.
Knott, Edward B. (See Davey, E. P., and Knott.)
Koeberle, Karl, W. Braun, and F. Hanusch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Producing sulphamides of orthodicarboxylic acid imides. 2,273,444; Feb. 17.
Koepcke, Harry E., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Valve control. 2,273,113; Feb. 17.
Köhler, Bernhard. (See Tuchscherer, P., and Köhler.)
Kommer, Fred A., and R. F. Smith, assignors to Carter Carburetor Corporation, St. Louis, Mo. Fuel control device. 2,273,205; Feb. 17.
Koniuszy, Frank. (See Folkers, K., and Koniuszy.)
Koons, Walter S. (See Ducker, William L., Jr., assignor.)
Kopp, Walter R., assignor to Western Cartridge Company, New Haven, Conn. Hand lamp. 2,273,114; Feb. 17.
Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Fastener. 2,273,648; Feb. 17.
Kotliarevsky, Victor, Charata, Chaco, Argentina. Switch unit for automobile horns. 2,273,757; Feb. 17.
Köttgen, Emil, Berlin-Gross-Glienicke, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry machine mounting. 2,273,712; Feb. 17.
Kottmann, Arthur A., Davenport, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Conveyer. 2,273,472; Feb. 17.
Kozloff, Bassil R., Los Angeles, Calif. Rest or support. 2,273,361; Feb. 17.
Kracker, Herbert. (See Fitzky, W., and Kracker.)
Kracker, Herbert, W. Schumacher, and V. Schwind, Frankfort-on-the-Main, and W. Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Producing fast dyeings and the dyed fiber obtained thereby. 2,273,115; Feb. 17.
Kränzlein, Georg, and C. J. Müller, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs insoluble in water, and fiber dyed therewith. 2,273,116; Feb. 17.
Kränzlein, Georg, Frankfort-on-the-Main, W. Kirst, Konigstein in Taunus, K. Renn, Frankfort-on-the-Main, and W. Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Producing fast dyeings and the dyed fiber obtained thereby. 2,273,117; Feb. 17.
Krayer, Otto G. (See Small, Arthur D., assignor.)
Kreienfeld, Friedrich, Berlin-Spandau, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver tuning system. 2,273,531; Feb. 17.
Krieg, Eldon L., South Whitley, Ind. Reel. 2,273,579; Feb. 17.
Kris, Samuel, Denver, Colo. Resilient seat support. 2,273,273; Feb. 17.
Krouse, George D., Winter Park, Fla. Film magazine. 2,273,274; Feb. 17.
Kruschwitz, William F. and W. V., and J. S. Florenz, Methuen, Mass.; said W. V. Kruschwitz, and J. S. Florenz, assignors to said W. F. Kruschwitz, as trustee. Door collection receptacle. 2,273,580; Feb. 7.
Kruschwitz, Warren V. (See Kruschwitz, William F. and W. V., and Florenz.)
Kruse, Frederick P., Berkeley, Calif. Worm gear cutting. 2,273,050; Feb. 17.
Kubatzky, Otto, St. Louis, Mo. Window and wall ventilator. 2,273,758; Feb. 17.
Kuhn, John W., Akron, Ohio. Method and apparatus for incorporating fibrous material in rubber. 2,273,206; Feb. 17.
Kuhn, John W., Akron, Ohio. Toothbrush. 2,273,207; Feb. 17.
Kutzler, Robert J., and L. A. Griffith, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,273,275; Feb. 17.
Kuzmick, Joseph N. (See Hilton, N. C., and Kuzmick.)
Lactona Incorporated. (See Millard, G. E., and Hughes, assignors.)
La Grotta, Frank, New York, N. Y., assignor to Conver Steel & Wire Co. Incorporated. Wall construction. 2,273,276; Feb. 17.
Lambert, Albert L., Narberth, Pa., assignor to Heintz Manufacturing Company. Tread structure. 2,273,208; Feb. 17.
Landis, Daniel O., Upper Darby, Pa., assignor to Radio Corporation of America. Television receiver. 2,273,801; Feb. 17.
Landis Machine Company. (See Wolf, Eugene G., assignor.)
Langdon, Jesse D., Los Angeles, Calif. Check valve and air vent. 2,273,118; Feb. 17.
La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)
Larkin, George R. (See Crane, C. J., and Larkin.)
Larsen, Agnew E., Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America. Control system for aircraft having sustaining rotors. 2,273,051; Feb. 17.
Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic acids from ketones. 2,273,785; Feb. 17.
Larson, Gustav E. (See Olsen, Harvey H., assignor.)
Lasley, Robert E., Waukegan, Ill. Power plant. 2,273,406; Feb. 17.
Lawrence, Howard F., assignor to American Engineering Company, Philadelphia, Pa. Hydraulic control system. 2,273,649; Feb. 17.
Lawson, Robert H., Lakeport, assignor to Scott & Williams, Incorporated, Laconia, N. H. Strand feeding mechanism. 2,273,052; Feb. 17.
Lawyer, Ira B., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Plastic injection molding machine. 2,273,713; Feb. 17.
Le Blond, R. K., Machine Tool Company, The. (See Groene, Willard L., assignor.)
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Torsion spring suspension for railway trucks. 2,273,053; Feb. 17.
Leedy, Haldon A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Business machine. 2,273,491; Feb. 17.
Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer control system. 2,273,714; Feb. 17.
Les Usines de Melle. (See Guinot, Henri M. E., assignors.)
Leukhardt, Arthur R., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Clutch control mechanism. 2,273,277; Feb. 17.
Le Van, James D., Belmont, assignor to Raytheon Production Corporation, Newton, Mass. Thermionic gaseous discharge rectifier. 2,273,054; Feb. 17.
Lewis, Mark C. (See Entwistle, H. F., and Lewis.)
Libbey-Owens-Ford Glass Company. (See Louviaux, R. J., and Goralske, assignors.)
Libbey-Owens-Ford Glass Company. (See Paddock, Ormond H., assignor.)
Lichterman, Eugene E., Chicago, Ill. Steaming and drying apparatus. 2,273,119; Feb. 17.
Liebrecht, Walter, New York, N. Y. Passenger operated swing device. 2,273,581; Feb. 17.
Lilja, Edgar D., assignor to Woodward Governor Company, Rockford, Ill. Speed regulating system. 2,273,407; Feb. 17.
Lindeberg, Carl, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Bass shift bar for accordions. 2,273,362; Feb. 17.
Lindskog, Segfrid J., Los Angeles, Calif. Lawn renovating machine. 2,273,120; Feb. 17.
Linebarger, Charles E. (See Linebarger, Charles E., Jr.)
Linebarger, Charles E., Jr., and C. E. Linebarger, deceased, by C. E. Linebarger, Jr., administrator, assignor to The Chaslyn Company, Chicago, Ill. Compositions of matter. 2,273,650; Feb. 17.
Lipson, Edward, Houston, Tex. Electrical investigation of cased drill holes. 2,273,363; Feb. 17.
List, Heinrich, Berlin-Lichterfelde, Germany. Stroboscope. 2,273,121; Feb. 17.
Livingston, Hyman, Santa Fe, N. Mex. Display rack. 2,273,409; Feb. 17.
Locke, Eric. (See Thompson, John H., assignor.)
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acids and acetals from esters and aldehydes. 2,273,786; Feb. 17.
Logansport Machine, Inc. (See Cotner, John C., assignor.)
Lonskey, John H., Ypsilanti, Mich., and S. O. Rice, Jr., Winnetka, Ill., assignors to Central Specialty Company, Ypsilanti, Mich. Rip fence for bench saws. 2,273,715; Feb. 17.
Louthan, Clissolde L., Lakeside, Wash. Fishing kite. 2,273,209; Feb. 17.

Louviaux, Raoul J., and A. W. Goralske, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 2,273,716; Feb. 17.
Lovell, Clarence A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Low frequency indicator and recorder. 2,273,532; Feb. 17.
Lowe, Joe, Corporation. (See Roth, Ernest J., assignor.)
Lowther, Wilfred W., and F. R. Nohavec, St. Paul, Minn., assignors of twenty-five per cent to R. C. Donaldson, twenty per cent to R. H. Donaldson, twelve and one-half per cent to A. D. Olin, six and one-fourth per cent to M. D. Buckeye, six and one-fourth per cent to R. A. Buckeye, five per cent to M. M. Donaldson, and twenty-five per cent to R. C. Donaldson, as trustee. Device for detachably clamping cylindrical sections together. 2,273,210; Feb. 17.
Lude, Max H., Greenville, Ill., assignor to Thoma & Gould Sales Company, St. Louis, Mo. Spark plug. 2,273,651; Feb. 17.
Lux, John, Chinook, Mont. Draw bar. 2,273,410; Feb. 17.
Lynch, Charles S. (See Tongberg, C. O., Lynch, and Bartlett.)
Machlett Laboratories Incorporated. (See Rogers, Thomas H., assignor.)
MacKenzie-Kennedy, Betty, administratrix. (See Mackenzie-Kennedy Chessborough, J. H., assignor.)
Mackenzie-Kennedy, Chessborough J. H., New York, N. Y., deceased; B. MacKenzie-Kennedy, New York, N. Y., administratrix. 2,273,278; Feb. 17.
Macklanburg, Louis A., Oklahoma City, Okla. Window sash assembly and weather strip therefor. 2,273,279; Feb. 17.
Madsen, Paul S., Bethany, and Arthur A. Arnold, Hamden, assignors, by mesne assignments, to Seamless Rubber Company, New Haven, Conn. Water bag. 2,273,128; Feb. 17.)
Maire, Joseph C., Bradley Beach, N. J. Fishhook structure. 2,273,582; Feb. 17.
Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Filament. 2,273,364; Feb. 17.
Malmer, Albert E., Blue Island, Ill. Spring clips. 2,273,492; Feb. 17.
Manson, George J., Brantford, Ontario, Canada, assignor to Keyes Fibre Company, Portland, Maine. Die for the manufacture of fibrous molded pulp articles. 2,273,055; Feb. 17.
Marine Magnesium Products Corporation. (See Collins, Neil R., assignor.)
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Tubular coupling. 2,273,211; Feb. 17.
Mather, George L., assignor to The Pharis Tire and Rubber Company, Newark, N. J. Apparatus for holding rubber tire stock during cutting operations thereon. 2,273,533; Feb. 17.
Mathews Conveyer Company. (See Meister, Julius A., assignor.)
Matthias, Lynn H., Shorewood, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis. Spring device. 2,273,212; Feb. 17.
Maulsby, Leon K., San Antonio, Tex. Nut cracking machine. 2,273,759; Feb. 17.
Mäussnest, Friedrich K., Woodside, Long Island, N. Y. Roll structure for employing small diameter working rolls in the leveling of sheet and strip material. 2,273,122; Feb. 17.
Mawen Motor Corporation. (See Dillström, Torbjörn V., assignor.)
Maxson, William, South Orange, N. J., and P. J. McLaren, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Mathematical apparatus. 2,273,652; Feb. 17.
Maybach, Karl, Friedrichshafen, Bodensee, Germany. Device for regulating the fuel admission of internal combustion engines. 2,273,411; Feb. 17.
Mayer, Bernard J., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Letter stripping device. 2,273,280; Feb. 17.
Maywood Silk Hosiery Mills, Inc. (See Sachsenmaier, E. S., and Butler, assignors.)
McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp and starting device therefor. 2,273,056; Feb. 17.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Charging refrigerating systems. 2,273,213; Feb. 17.
McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Supporting device for pumps. 2,273,214; Feb. 17.
McCulloch, William E., Des Moines, Iowa. Underinflated tire warning device. 2,273,413; Feb. 17.
McCullough, Gerald W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrocarbons. 2,273,412; Feb. 17.
McCullough, Neel M., assignor to Pierce Governor Company, Anderson, Ind. Vehicle control and speed indicating system. 2,273,365; Feb. 17.
McDaniels, Shryock P., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,273,123; Feb. 17.
McDaniels, Shryock P., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Ladder. 2,273,124; Feb. 17.
McDonald, A. Y., Mfg. Co. (See Hazard, William H., assignor.)
McFall, Thurlow E., assignor to Michigan Artcraft Company, Sparta, Mich. Table. 2,273,366; Feb. 17.
McFarland, Artie F., Houston, Tex. Sprayer. 2,273,125; Feb. 17.
McGillin, Howard O., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,273,126; Feb 17.
McGoldrick, William J., and F. S. Denison, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating control system. 2,273,127; Feb. 17.
McGowan, Michael E., and R. A. Rehberg, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and machine for sealing vitreous vessels. 2,273,445; Feb. 17.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,273,281; Feb. 17.
McKee, James E. (See Shannon, J. W., Hathaway, and McKee.)
McKee, William F., Belleville, Ill., assignor to C. M. Hardy, Henderson, Ky. Sand mold. 2,273,326; Feb. 17.
McLaren, Peter J. (See Maxson, W., and McLaren.)
McLaurin-Jones Co. (See Davis, L., and Tuukkanen, assignors.)
McLouth, Donald B. (See Campbell, R. G., and McLouth.)
McLouth Steel Corporation. (See Campbell, R. G., and McLouth, assignors.)
McMillan, Cullum H., San Saba, Tex. Automatic starting gate. 2,273,493; Feb. 17.
McNally, James G. (See Dickey, J. B., and McNally.)
Meade, Matthew H., North Wilkesboro, N. C. Can opener. 2,273,414; Feb. 17.
Means, Dwight R. (See Muskat, I. E., and Means.)
Meider, Philip, assignor of one-half to F. A. Kelley, Glassport, Pa. Sanding device for motor vehicles. 2,273,057; Feb. 17.
Meister, Julius A., assignor to Mathews Conveyer Company, Ellwood City, Pa. Trolley conveyer. 2,273,583; Feb. 17.
Melby, Charles J., Everett, Wash. Edging and butting machine. 2,273,653; Feb. 17.
Melin, Hans E. (See Bell, H. S., and Melin.)
Melin, Hans E. (See Wean, R. J., Melin, and Berk.)
Merck & Co. (See Folkers, K., and Koniuszy, assignors.)
Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Coloring rubber hydrochloride cements. 2,273,473; Feb. 17.
Merrill, Warner J. (See Graves, G. D., and Merrill.)
Messinger, William, Philadelphia, Pa. Bearing seal. 2,273,129; Feb. 17.
Metal Textile Corporation. (See Goodloe, A. M., and Ciesielski, assignors.)
Metaxas, Victor, Detroit, Mich. Marine propulsion device. 2,273,327; Feb. 17.
Meyer, Joseph J., assignor to G-H Specialty Company, Milwaukee, Wis. Rug weaving frame. 2,273,446; Feb. 17.
Meyer, Leonard S., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Insulating material and manufacture. 2,273,367; Feb. 17.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn and housing. 2,273,130; Feb. 17.
Michigan Artcraft Company. (See McFall, Thurlow E., assignor.)
Micro-Westco, Incorporated. (See Kottmann, Arthur A., assignor.)
Millard, Glen E., and W. G. Hughes, assignors to Lactona Incorporated, St. Paul, Minn. Brush. 2,273,717; Feb. 17.
Miller, Alfred B. (See Snavely, C. S., and Miller.)
Miller, Arthur, Leavenworth, Kans. Automatic safety control. 2,273,058; Feb. 17.
Miller, Edward L., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Solenoid operated brake. 2,273,328; Feb. 17.
Miller, Max C., Cumberland, R. I. Loop regulating mechanism for flat knitting machines. 2,273,802; Feb. 17.
Miner, W. H., Inc. (See Haweltine, Stacy B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Guler, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kutzler, R. J., and Griffith, assignors.)
Minneapolis-Honeywell Regulator Company. (See McGoldrick, W. J., and Denison, assignors.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mitchell, Chester F., Wheaton, assignor to H D Electric Company, Chicago, Ill. Split core transformer. 2,273,534; Feb. 17.
Monckmeier, Gustav C., Davenport, Iowa. Trunk or grille guard for automobiles. 2,273,131; Feb. 17.
Monroe Auto Equipment Company. (See Nickelsen, John M., assignor.)

Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monroe Calculating Machine Company. (See Walter, Edward C., assignor.)
Monsanto Chemical Company. (See Hochwalt, Carroll A., assignor.)
Moore, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic gain control system. 2,273,132; Feb. 17.
Moore Fabric Company. (See Henderson, Fred A., assignor.)
Moore Fabric Company. (See King, Edward A., assignor.)
Moore, Mark D., Bloomington, Ind. Copyholder. 2,273,584; Feb. 17.
Moore, Royal T., Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation. Apparatus for forming siftproof bag closures. 2,273,585; Feb. 17.
Morgan, Porter S., Westport, Conn. Liquid meter. 2,273,718; Feb. 17.
Morrison, Laurence W., Jr., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television signaling system. 2,273,719; Feb. 17.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Valve. 2,273,720; Feb. 17.
Moss, Earl C., Westfield, N. J., and J. F. Williams, Dundalk, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,273,133; Feb. 17.
Mottl, Rudolph, et al. (See Haider, Martin M., assignor.)
Mountjoy, Garrard, Manhasset, N. Y., assignor to Radio Corporation of America. Dual intermediate frequency amplifier circuit. 2,273,134; Feb. 17.
Moxham, Ernest W., North Blenheim, N. Y. Stall partition. 2,273,494; Feb. 17.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric valve circuits. 2,273,586; Feb. 17.
Mozel, Joe, Portland, Oreg. Golf ball driving mat for automatic teeing machines. 2,273,059; Feb. 17.
Muffly, Glenn, Springfield, Ohio. Refrigerator. 2,273,282; Feb. 17.
Müller, Carl Josef. (See Kränzlein, G., and Müller.)
Muller, Johan A., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Speed control mechanism for hydraulic presses. 2,273,721; Feb. 17.
Mumford, John W., Philadelphia, Pa. Flower holder. 2,273,368; Feb. 17.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can body making machine. 2,273,060; Feb. 17.
Murphy, Alfred J., Petts Wood, and S. A. E. Wells, Teddington, England, assignors, by mesne assignments, to Electro Metallurgical Company, New York, N. Y. Aluminum base alloys. 2,273,061; Feb. 17.
Murtagh, Hugh, Laleham-on-Thames, and W. G. Harding, Whitton, England, assignors to Sperry Gyroscope Company Incorporated, Brooklyn, N. Y. Bearing for sensitive instruments. 2,273,803; Feb. 17.
Musher Foundation Incorporated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Stabilization of oils. 2,273,062; Feb. 17.
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Paper container. 2,273,063; Feb. 17.
Muskat, Irving E., Akron, and D. R. Means, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company. Preparation of solid caustic. 2,273,722; Feb. 17.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Recovery of chlorine from gaseous mixtures. 2,273,723; Feb. 17.
Myers, James E., assignor of one-half to W. F. Simonsen, Milwaukee, Wis. Air conditioner. 2,273,587; Feb. 17.
Nadel, Louis D. (See Whitman, V. E., and Nadel.)
Nanfeldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Making brake lining. 2,273,770; Feb. 17.
National Broach and Machine Company. (See De Vlieg, Charles B., assignor.)
National Carbon Company. (See Heise, G. W., and Schumacher, assignors.)
National Carbon Company. (See Janes, M., and Heise, assignors.)
National Malleable and Steel Castings Company. (See Spence, Hubert L., assignor.)
National Poultry Equipment Co. (See Powell, John E., assignor.)
Neher, John H., Merion, Pa., assignor to General Electric Company. Electric protective arrangement. 2,273,588; Feb. 17.
Nelson, Curtis O., Belleville, Ill. Automatic volume control. 2,273,760; Feb. 17.
Nelson, Julius A., Atlanta, Ga. Swab wringing device. 2,273,495; Feb. 17.
Nelson, Richard H., R. L. Stith, and T. A. Endres, assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Bomb-carrying airplane. 2,273,724; Feb. 17.
Nemeth, Otto R. (See DeVry, H. A., and Nemeth.)
Neufeld, Jacob, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well surveying method and apparatus. 2,273,215; Feb. 17.
Neumann de Margitta, Michael J., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Flash lamp. 2,273,435; Feb. 17.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Chemical dehumidifying system. 2,273,804; Feb. 17.
Newton, George W., and P. R. Powell, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Mixing apparatus. 2,273,761; Feb. 17.
New Ulm Manufacturing Company. (See Aab, William, assignor.)
Niagara Sprayer and Chemical Co. (See Chater, John A., assignor.)
Nickelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Rod assembly. 2,273,415; Feb. 17.
Nielson, Pontus W. G., Greensboro, N. C. Metal-turning-lathe attachment. 2,273,369; Feb. 17.
Nisbet, Robert H. (See Harding, W. G., and Nisbet.)
Nohavec, Fred R. (See Lowther, W. W., and Nohavec.)
Nolox Company of America. (See Himes, Ross A., assignor.)
Northern Stevedores, Inc. (See Owen, Mark, assignor.)
Norwood, Joseph W., Los Angeles, Calif. Golf instruction device. 2,273,416; Feb. 17.
Nystrom, Karl F., Milwaukee, Wis. Railroad box car ceiling construction. 2,273,654; Feb. 17.
Oberti, James M., San Francisco, Calif. Window scaffold. 2,273,370; Feb. 17.
Oberti, James M., San Francisco, Calif. Combined floor brush, duster, and squeegee. 2,273,371; Feb. 17.
Oertel, Clarence M., Detroit, Mich. Fuel and valve control system for internal combustion engines. 2,273,216; Feb. 17.
Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unidirective energy radiating system. 2,273,447; Feb. 17.
Ohlinger, Robert G., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fabric transfer device and the like and manipulating fabric. 2,273,372; Feb. 17.
Ohnesorge, Wilhelm, Berlin-Charlottenburg, G. Fianze, Berlin-Lichtenrade, and F. Gladenbeck, Berlin-Charlottenburg, Germany. Electric cable. 2,273,135; Feb. 17.
Oilgear Company, The. (See Ferris, Walter, assignor.)
Olin, A. Donaldson, et al. (See Lowther, W. W., and Nohavec, assignors.)
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Alkyl urea-formaldehyde resin. 2,273,788; Feb. 17.
Olsen, Harvey H., Port Richmond, Staten Island, assignor of fifty per cent to G. E. Larson, Brooklyn, N. Y. Pipe bending machine. 2,273,655; Feb. 17.
Olt, Richard G., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making porous metal bodies. 2,273,589; Feb. 17
Oosterhuis, Ekko, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifier control circuits. 2,273,656; Feb. 17.
Orech, Carl G., New York, N. Y., and E. G. Schaaf, Palisade, N. J. Adjustable support. 2,273,136; Feb. 17.
Owen, David T., Cleveland Heights, assignor to H. G. Dimick, Cuyahoga Falls, Ohio. Spring unit for mattresses. 2,273,064; Feb. 17.
Owen, Edwin H. (See Knauer, B., and Owen.)
Owen, Edwin H. (See Strother, J. A., and Owen.)
Owen, Mark, assignor to Northern Stevedores, Inc., Seattle, Wash. Drum rolling device. 2,273,657; Feb. 17.
Owens-Illinois Glass Company. (See Barnby, H. A., and Robison, assignors.)
Owens-Illinois Can Company. (See Hermani, Louis, assignor.)
Pace, George W., Elwood, Ind. Drinking straw dispenser. 2,273,658; Feb. 17.
Packard Motor Car Company. (See de Beaumont, Pierre S., assignor.)
Paddock, Ormond H., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Seal for double-walled glass units. 2,273,733; Feb. 17.
Parker Rust-Proof Company. (See Tanner, Robert R., assignor.)
Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Switch. 2,273,417; Feb. 17.
Partington, George, Pawtucket, R. I. Slubbing mechanism. 2,273,137; Feb. 17.
"Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren." (See Geilendien, W., and Eggert, assignors.)
Patterson, James A., Astoria, Long Island, N. Y. Starting of internal combustion engines. 2,273,448. Feb. 17.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,273,734; Feb. 17.
Pedrini, Dante C. (See Harris, Cyrus W., assignor.)
Penn Electric Switch Co. (See Bigelow, Robert J., assignor.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penney, Elizabeth, Executrix. (See Godvin, J. B., and Penney.)
Penney, Harold D. (See Godvin, John B., and Penney.)
Penrose, William F. (See Stockwell, F. C., and Penrose.)
Penrose, William F., Irvington, N. J., assignor to Empire Electric Brake Corporation. Electromagnetically controlled apparatus and method therefor. 2,273,065; Feb. 17.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Control device for refrigerating systems. 2,273,535; Feb. 17.
People in the United States of America, The. (See Adler, Charles, Jr., assignor.)
Peoples, Robert S., and H. A. H. Pray, Columbus, Ohio, assignors to Alloy Casting Institute, of New York. Stainless steel containing bismuth. 2,273,731; Feb. 17.
Perine, Woodman. (See Xenis, C. P., Perine, and King.)
Perkins, Ralph P. (See Britton, E. C., Perkins, and Dietzler.)
Perry, Eugene L., Bloomfield, N. J., assignor to Universal Winding Company, Cranston, R. I. Textile winding core. 2,273,373; Feb. 17.
Perry, Leon, Brooklyn, N. Y. Booster for friction controls or clutches. 2,273,496; Feb. 17.
Peters, William F. (See Bryan, W. M., and Peters.)
Peterson, Gunnard P., assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Lipstick holder. 2,273,138; Feb. 17.
Peterson, Seth E., Chicago, Ill., and I. Geitgey, Elyria, Ohio, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,273,139; Feb. 17.
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Pfeiffer, Paul O., assignor to The General Tire & Rubber Company, Akron, Ohio. Making vehicle tires. 2,273,283; Feb. 17.
Pharis Tire and Rubber Company, The. (See Mather, George L., assignor.)
Phillips, Clarence W., Akron, Ohio. Cigarette rolling machine. 2,273,787; Feb. 17.
Phillips, Martin W., Lowell, N. C., assignor to Draper Corporation, Hopedale, Mass. Letoff mechanism for looms. 2,273,474; Feb. 17.
Phillips Petroleum Company. (See McCullough, Gerald W., assignor.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Phyl, Joseph. (See Hedberg, C. W. J., and Phyl.)
Pierce Governor Company. (See McCullough, Neel M., assignor.)
Pierce, John B., Foundation. (See Strong, William E. S., assignor.)
Pines, Herman. (See Ipatieff, V. N., and Pines.)
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Making wheel plates. 2,273,620; Feb. 17.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Train coupling device. 2,273,621; Feb. 17.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Grinding. 2,273,659; Feb. 17.
Pisarcik, Paul K., East Vandergrift, Pa. Polishing apparatus for rolls. 2,273,590; Feb. 17.
Pitney-Bowes Postage Meter Co. (See Heyel, Frederick W., assignor.)
Pitney-Bowes Postage Meter Co. (See Knauer, B., and Owen, assignors.)
Pitney-Bowes Postage Meter Co. (See Mayer, Bernard J., assignor.)
Pitney-Bowes Postage Meter Co. (See Rouan, F. J., and Russell, assignors.)
Pitney-Bowes Postage Meter Co. (See Rouan, Francis J., assignor.)
Pitney-Bowes Postage Meter Co. (See Strother, John A., assignor.)
Pitney-Bowes Postage Meter Co. (See Strother, J. A., and Owen, assignors.)
Pitney-Bowes Postage Meter Co. (See Thatcher, L. A., and Strother, assignors.)
Pittsburgh Equitable Meter Company. (See Kindl, Frederick H., assignor.)
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Means, assignors.)
Plaskon Company. (See Meyer, Leonard S., assignor.)
Plaskon Company. (See Simons, John K., assignor.)
Plishker, Herbert E., Flushing, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Portable sterilizer. 2,273,449; Feb. 17.
Plott, Garnett G., and P. A. Weeks, Whitakers, N. C. Tobacco curing apparatus. 2,273,284; Feb. 17.
Pneumatic Scale Corporation. (See Cleaves, William S., assignor.)
Pneumatic Scale Corporation. (See Robinson, George A., assignor.)
Pollak, James, assignor to General Transformer Corporation, Chicago, Ill. Electrical shears. 2,273,536; Feb. 17.
Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Crusher. 2,273,772; Feb. 17.
Pomona Pump Co. (See Schott, Rudolph D., assignor.)
Poole, John W., Jaffrey, N. H. Refining by selective solvent action. 2,273,660; Feb. 17.
Poole, John W., Jaffrey, N. H. Refining mineral oil. 2,273,661; Feb. 17.
Potter, Elbert R., Chicago, assignor of one-half to R. D. Wray, Bloomington, Ill. Tree trimming device. 2,273,329; Feb. 17.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,273,773; Feb. 17.
Povey, Edmund H., and E. A. Walker, assignors to Doble Engineering Company, Medford, Mass. Determining qualities of dielectrics. 2,273,066; Feb. 17.
Powell, John E., Issaquah, assignor to National Poultry Equipment Co., Seattle, Wash. Egg grading machine. 2,273,591; Feb. 17.
Powell, Paul R. (See Newton, G. W., and Powell.)
Power Research Corporation. (See Bowers, Thomas A., assignor.)
Power Research Corporation. (See Gille, Willis H., assignor.)
Pray, Henry A. H. (See Peoples, R. S., and Pray.)
Premier Crystal Laboratories, Inc. (See Klein, Mark, assignor.)
Press Wireless, Inc. (See Zurek, Frank, assignor.)
Pressey, Ralph W., Newtown Square, Pa. Method of and apparatus for controlling flow. 2,273,217; Feb. 17.
Prestinari, Eugen, Summit, assignor to Gemex Company, Newark, N. J. Bracelet construction. 2,273,218; Feb. 17.
Prevost, Auxance N., Deep River, Conn. Upright piano action. 2,273,789; Feb. 17.
Prichard, William W., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Making shoes. 2,273,374; Feb. 17.
Prince, Charles C., Bostic, N. C. Thermostat water control for wood stoves. 2,273,418; Feb. 17.
Purdy, Edwin A. (See Varcoe, G. S., and Purdy.)
Pure Oil Company, The. (See Schroeder, Arthur, assignor.)
Quisling, Sverre, Madison, Wis., assignor to Talon, Inc., Meadville, Pa. Making slide fasteners. 2,273,732; Feb. 17.
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Boers, Cornelis J., assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Foster, D. E., and Rankin, assignors.)
Radio Corporation of America. (See Glover, Alan M., assignor.)
Radio Corporation of America. (See Haantjes, Johan, assignor.)
Radio Corporation of America. (See Haantjes, J., and Tellegen, assignors.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Horowitz, A., and Rinia, assignors.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Kimball, C. N., and Sziklai, assignors.)
Radio Corporation of America. (See Landis, Daniel O., assignor.)
Radio Corporation of America. (See Moore, John B., assignor.)
Radio Corporation of America. (See Mountjoy, Garrard, assignor.)
Radio Corporation of America. (See Oosterhuis, Ekko, assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See van Loon, Carel J., assignor.)
Radio Corporation of America. (See Van Weel, Adelbert, assignor.)
Radio Corporation of America. (See Wiegerinck, Hendrikus T. J., assignor.)
Rainville, Omer J., South Attleboro, Mass., assignor to E. Z. I. Needle Company Incorporated, Providence, R. I. Sewing machine needle. 2,273,592; Feb. 17.
Ralston, Hurley D., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Sorting device. 2,273,662; Feb. 17.

Rankin, John A. (See Foster, D. E., and Rankin.)
Rasky, David. (See Harris, H. A., and Rasky.)
Ray, Philip A., assignor to Hercules Powder Company, Wilmington, Del. Tar. 2,273,725; Feb. 17.
Ray, William A., Glendale, Calif. Thermostat. 2,273,375; Feb. 17.
Raybestos-Manhattan, Inc. (See Hilton, N. C., and Kuzmick, assignors.)
Raymer, Morris M., Augusta, assignor to Kellogg Company, Battle Creek, Mich. Machine for filling forms with biscuit material. 2,273,735; Feb. 17.
Raymond, Gwynne, M. D. Creech, and R. L. Feagles, Oklahoma City, Okla. Making pressure vessels and the like. 2,273,736; Feb. 17.
Raymond, Horace H., Berlin, Conn., assignor to W. H. Stephenson, New York, N. Y. Mechanical resuscitator for combating asphyxia. 2,273,790; Feb. 17.
Raytheon Production Corporation. (See Le Van, James D., assignor.)
Reconstruction Finance Corporation. (See Maxson, W., and McLaren, assignors.)
Redfarn, Cyril A., and P. Schidrowitz, assignors to The British Rubber Producers' Research Association, London, England. Resins containing rubber. 2,273,593; Feb. 17.
Reerink, Engbert H., and P. C. van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Incandescible cathode. 2,273,762; Feb. 17.
Reerink, Engbert H., and P. C. van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Incandescible cathode. 2,273,763; Feb. 17.
Rehberg, Richard A. (See McGowan, M. E., and Rehberg.)
Rehder, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Remote tuning control means. 2,273,537; Feb. 17.
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,273,067; Feb. 17.
Reichel, Wladimir A., Bellerose, and M. F. Ketay, Brooklyn, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Remote multiple indicator. 2,273,222; Feb. 17.
Reichert, Joseph S., and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of monoperphthalic acid. 2,273,774; Feb. 17.
Renfrew, Archibald, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of synthetic resins for molding. 2,273,140; Feb. 17.
Renn, Konrad. (See Kranzlein, G., Kirst, Renn, and Seidenfaden.)
Renshaw, David F., Olean, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Finishing petrolatum. 2,273,726; Feb. 17.
Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. High pressure metal vapor lamp. 2,273,450; Feb. 17.
Reppe, Walter, E. Keyssner, and O. Hecht, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of amines of the acetylene series. 2,273,141; Feb. 17.
Research Corporation. (See Hedberg, C. W. J., and Phyl, assignors.)
Resinous Products & Chemical Company, The. (See Bock, L. H., and Houk, assignors.)
Reynolds Spring Company. (See Currie, Otis C., assignor.)
Reynolds, William R., Dallas, Tex. Cutting tool. 2,273,376; Feb. 17.
Rhodes, Herbert C., Portland, Oreg. Dough-molding machine. 2,273,219; Feb. 17.
Ricards, Charles L., South Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Newspaper conveyer. 2,273,451; Feb. 17.
Rice Barton Corporation. (See Stafford, S. B., and Smith, assignors.)
Rice, Earl F., Wyandotte, and L. E. Zicleck, Allen Park, Mich. Mechanical chuck. 2,273,377; Feb. 17.
Rice, Samuel O., Jr. (See Lonskey, J. H., and Rice.)
Rice, Waldo G., Chicago, Ill. Telegraphic transmitter system. 2,273,378; Feb. 17.
Rich, John R., Houston, Tex. Garage door actuating means. 2,273,594; Feb. 17.
Richter, Georg, Chemnitz, Germany. Narrowing device for flat knitting machines. 2,273,285; Feb. 17.
Ringlein, Jerome F. (See Campbell, J. F., and Ringlein.)
Rinia, Herre. (See Horowitz, A., and Rinia.)
Risdon Manufacturing Company, The. (See Peterson, Gunnard P., assignor.)
Ritter, Alexander, Rahway, assignor to Barber Asphalt Corporation, Barber, N. J. Composition roof covering. 2,273,220; Feb. 17.
Rivera, Benito, Philadelphia, Pa. Signal pontoon for submarines. 2,273,497; Feb. 17.
Roberti Bros. (See Roberti, Edward L., assignor.)
Roberti, Edward L., Long Beach, Calif., assignor to Roberti Bros. Floating chair. 2,273,286; Feb. 17.
Robert, Robert G., St. Louis, Mo. Antiskidding device for automobiles. 2,273,663; Feb. 17.
Roberts and Schaefer Company. (See Stump, Earl, assignor.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Visual tuning indicator. 2,273,142; Feb. 17.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Audio volume control circuit. 2,273,143; Feb. 17.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation detector. 2,273,144; Feb. 17.
Robertson, Donald W. (See Happel, J., Jr., and Robertson.)
Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Dispensing device. 2,273,330; Feb. 17.
Robison, Samuel C. (See Barnby, H. A., and Robison.)
Rogers, Thomas H., New Canaan, assignor to Machlett Laboratories Incorporated, Springdale, Conn. X-ray apparatus. 2,273,538; Feb. 17.
Röhm & Haas Company. (See Batoe, Willard F., assignor.)
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Feuerstein, Kurt, assignor.)
Röhm & Haas Company. (See Hurd, Loren C., assignor.)
Romaine, Dorothy W., Reno, Nev. Shoulder pad. 2,273,498; Feb. 17.
Ross, James S., and W. H. Worthington, assignors to John Deere Tractor Company, Waterloo, Iowa. Transmission. 2,273,068; Feb. 17.
Rossman, Allen M., Wilmette, Ill. Disconnecting switch. 2,273,069; Feb. 17.
Roth, Ernest J., Norwood, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Extrusion device. 2,273,595; Feb. 17.
Rouan, Francis J., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Presser device. 2,273,289; Feb. 17.
Rouan, Francis J., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Adjustable separator. 2,273,288; Feb. 17.
Rouan, Francis J., and A. G. Russell, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Separator roller control. 2,273,287; Feb. 17.
Roundy, Daniel N., Cheney, Kans. Lawn mower attachment. 2,273,221; Feb. 17.
Rowen, Benjamin R., Flint, Mich., and E. H. Trump, Barberton, Ohio, assignors to Ward Plastic and Rubber Company, Detroit, Mich. Condiment container. 2,273,727; Feb. 17.
Rowerdink, William, East Grand Rapids, Mich. Flowmeter. 2,273,331; Feb. 17.
Rugeley, Edward W., and T. A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Hosiery and producing the same. 2,273,071; Feb. 17.
Russell, Alva G. (See Rouan, F. J., and Russell.)
Ryan, James J., et al. (See Burchell, Fford, assignor.)
Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Direct current remote indicating system. 2,273,596; Feb. 17.
Sachsenmaier, Erwin S., and E. J. Butler, assignors to Maywood Silk Hosiery Mills, Inc., Cordele, Ga. Corner construction for full-fashioned hosiery. 2,273,145; Feb. 17.
Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Packing. 2,273,332; Feb. 17.
Salter, Avery L., Johnston, S. C. Electrical switch. 2,273,764; Feb. 17.
Sauer, George, Berwyn, and C. C. Smith, Chicago, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,273,146; Feb. 17.
Sawtelle, Charles A., Plymouth, Mich. Brake mechanism. 2,273,223; Feb. 17.
Schaaf, Edward G. (See Orech, C. G., and Schaaf.)
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Adjustable fender shield. 2,273,539; Feb. 17.
Schellens, Christopher A. (See Schellens, Eugene L. and C. A.)
Schellens, Eugene L., Ridgewood, N. J., and C. A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Englewood, N. J. Boiler and superheater. 2,273,290; Feb. 17.
Schidrowitz, Philip. (See Redfarn, C. A., and Schidrowitz.)
Schlageter, Otto. (See Goerg, H. J., and Schlageter.)
Schluter, Henry J., Chicago, Ill., assignor to J. C. and E. L. Deagan. Vibrant bar and tuning the same. 2,273,333; Feb. 17.
Schott, Rudolph D., assignor to Pomona Pump Co., Pomona, Calif. Centrifugal pump. 2,273,420; Feb. 17.
Schreiber, Armin L., Altadena, Calif. Pin for supporting ceramic ware. 2,273,475; Feb. 17.
Schroder, Arthur, Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Metallic pigments and preparing same. 2,273,597; Feb. 17.
Schroeder, Max H., Rockville Centre, N. Y. Beverage filter. 2,273,422; Feb. 17.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Cecka, Franz, assignor.)

Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Tuchscherer, P., and Köhler, assignors.)
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,273,224; Feb. 17.
Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)
Schumacher, Frederick W., Mountainside, and R. P. Ferguson, Cranford, N. J., assignors to Standard Oil Development Company. Decolorization of mineral oils. 2,273,147; Feb. 17.
Schumacher, Willy. (See Kracker, H., Schumacher, Schwind, and Seidenfaden.)
Schwartz, Fernand F., and M. A. Chavannes, Paris, France, assignors, by mesne assignments, to American Ecla Corporation, Dover, Del. Manufacture of elastic fabrics. 2,273,148; Feb. 17.
Schwarzmann, Alois, Basel, Switzerland. Water-soluble complex gold-peptone-saccharide compounds and their manufacture. 2,273,765; Feb. 17.
Schwind, Vinzenz. (See Kracker, H., Schumacher, Schwind, and Seidenfaden.)
Scott & Williams, Incorporated. (See Lawson, Robert H., assignor.)
Seamless Rubber Company, The. (See Madsen, P. S., and Arnold, assignors.)
Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,273,664; Feb. 17.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Locking means for bearing rings. 2,273,379; Feb. 17.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,273,380; Feb. 17.
Sears, Roebuck and Co. (See Ralston, Hurley D., assignor.)
Secretary of Agriculture of the United States of America. (See Brunauer, S., and Shultz, assignors.)
Seidenfaden, Wilhelm. (See Kracker, H., Schumacher, Schwind, and Seidenfaden.)
Seidenfaden, Wilhelm. (See Kranzlein, G., Kirst, Renn, and Seidenfaden.)
Seifert, George, Beverly Hills Township, Los Angeles County, Calif. Breaking the four scored corners of collapsible paper boxes. 2,273,419; Feb. 17.
Semar, Harold W., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine turbine and condenser support. 2,273,225; Feb. 17.
Servel, Inc. (See Shipman, Bennet C., assignor.)
Shafer, Clarence W., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Die stock. 2,273,598; Feb. 17.
Shaffer, Harry A., East Cleveland, Ohio. Stacking frame for printed sheets. 2,273,476; Feb. 17.
Shakespeare, Henry G., assignor to Shakespeare Products Company, Kalamazoo, Mich. Vernier control. 2,273,334; Feb. 17.
Shakespeare Products Company. (See Shakespeare, Henry G., assignor.)
Shannon, James W., and L. M. Hathaway, Ingleside, Tex., and J. E. McKee, Wilmington, Del. Locking mechanism for doors. 2,273,149; Feb. 17.
Sharples Chemicals Inc. (See Olin, John F., assignor.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Control switch. 2,273,381; Feb. 17.
Shell Development Company. (See Black, A. R., and Glendenning, assignors.)
Shepard, Francis H., Jr., Merchantville, N. J. Alternating current operated direct current amplifier circuits. 2,273,150; Feb. 17.
Sheridan, T. W., & C. B., Company. (See Kleineberg, Paul E., assignor.)
Shipman, Bennet C., deceased, Arlington County, Va., by C. W. Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,273,226; Feb. 17.
Shipman, Clara W., executrix. (See Shipman, Bennet C.)
Shultz, John P. (See Brunauer, S., and Shultz.)
Shutte, M. G. (See Hightower, Joseph M., assignor.)
Siegel, James C., New York, N. Y. Furniture drawer lock. 2,273,151; Feb. 17.
Siemens Apparate und Machinen Gesellschaft mit beschränkter Haftung. (See Specht, Paul, assignor.)
Siemens & Halske Aktiengesellschaft. (See Zapf, Georg, assignor.)
Simmons, Joseph, Cincinnati, Ohio. Box structure gem mounting. 2,273,227; Feb. 17.
Simons, John K., Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio. Preparation of synthetic resins from biguanide derivatives and formaldehyde. 2,273,382; Feb. 17.
Simonsen, William F. (See Myers, James E., assignor.)
Simonton, Theodore E., et al. (See Glassey, Philip P., assignor.)
Simpson, Emory G., assignor to Ternstadt Manufacturing Company, Detroit, Mich. Ash tray. 2,273,335; Feb. 17.
Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)
Singleton, Robert F. (See Coker, Samuel W., assignor.)
Slezak, Vincent F., Chicago, Ill. Ticket scale. 2,273,291; Feb. 17.
Small, Arthur D., Lake Cable, assignor of one-third to O. G. Krayer, Massillon, Ohio. Decorating and resurfacing metals. 2,273,665; Feb. 17.
Smith, Boyd H., assignor to The Autocall Company, Shelby, Ohio. Pressure and temperature responsive device. 2,273,540; Feb. 17.
Smith, Clarence C. (See Sauer, G., and Smith.)
Smith, Herman A. (See Stafford, S. B., and Smith.)
Smith, James E., San Francisco, Calif. Game. 2,273,292; Feb. 17.
Smith, J. Hugo, assignor to Wesson Company, Detroit, Mich. Retractable boring tool. 2,273,228; Feb. 17.
Smith, Leonard O., Spokane, Wash. Harvester attachment. 2,273,666; Feb. 17.
Smith, Lloyd L., Catasauqua, Pa. Lid lifter. 2,273,229; Feb. 17.
Smith, Roy A., Norwood, and L. L. Williams, Walpole, assignors to Bird & Son, Inc., East Walpole, Mass. Machine for applying roofing material. 2,273,599; Feb. 17.
Smith, Russell F. (See Kommer, F. A., and Smith.)
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,273,230; Feb. 17.
Snavely, Clarence S., Wilkinsburg, and A. B. Miller, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,273,231; Feb. 17.
Snavely, Clarence S., Wilkinsburg, and A. B. Miller, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,273,383; Feb. 17.
Snyder, James E., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Uniting surfaces. 2,273,452; Feb. 17.
Snyder, Mahlon C., Blasdell, N. Y. Vent device for gasoline containers and the like. 2,273,737; Feb. 17.
Societe "Rhône-Poulenc." (See Fluchaire, M. L. A., and Iavorsky, assignors.)
Socony-Vacuum Oil Company. (See Fry, W. C., and Bedell, assignors.)
Socony-Vacuum Oil Company. (See Happel, J., Jr., and Robertson, assignors.)
Socony-Vacuum Oil Company. (See Renshaw, David F., assignor.)
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Electrically heated roll. 2,273,423; Feb. 17.
Sonntag, Alfred, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Hydraulic pressure control for testing machines. 2,273,152; Feb. 17.
Spach, Ruth L. (See Terrill, Percy M., assignor.)
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Axle housing. 2,273,336; Feb. 17.
Specht, Paul, Berlin-Lichtenrade, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Torque amplifier. 2,273,600; Feb. 17.
Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,273,156; Feb. 17.
Sperry Gyroscope Company. (See Harding, W. G., and Nisbet, assignors.)
Sperry Gyroscope Company Incorporated. (See Murtagh, H., and Harding, assignors.)
Sperry Gyroscope Company. (See Zand, Stephen J., assignor.)
Square D Company. (See Anger, Ernest G., assignor.)
Square D Company. (See Van Valkenburg, Hermon L., assignor.)
Stafford, Stephen B., Oxford, and H. A. Smith, Holden, Mass., assignors to Rice Barton Corporation. Printing roll doctor blade reciprocating mechanism. 2,273,232; Feb. 17.
Staley, Guy W., Robbinsdale, assignor of fifty per cent to P. Hauenstein, Minneapolis, Minn. Contact printer. 2,273,421; Feb. 17.
Standard Electric Manufacturing Co., The. (See Parker, Thomas L., assignor.)
Standard-Knapp Corporation. (See Braren, Cornelius I., assignor.)
Standard Oil Company. (See Carpenter, Morris T., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company. (See Weems, George S., assignor.)
Standard Oil Development Company. (See Bruce, William A., assignor.)
Standard Oil Development Company. (See Gleason, Anthony H., assignor.)
Standard Oil Development Company. (See Heilman, William O., assignor.)
Standard Oil Development Company. (See Schumacher, F. W., and Ferguson, assignors.)
Standard Oil Development Company. (See Stratford, Reginald K., assignor.)
Standard Oil Development Company. (See Thomas, R. M., and Field, assignors.)
Standard Oil Development Company. (See Tongberg, C. O., Lynch, and Bartlett, assignors.)
Staudt, James R., Fort Worth, Tex. Adjustable chair. 2,273,667; Feb. 17.

Steele, James W., North Kansas City, Mo. Accessory for garment ironing operations. 2,273,072; Feb. 17.
Steiner, Frank G., Miami Beach, Fla., assignor to Steiner Sales Company, Salt Lake City, Utah. Package with mount, and combination thereof with a dispensing cabinet. 2,273,668; Feb. 17.
Steiner, Frank G., Miami Beach, Fla., and R. G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Cabinet for dispensing sheet material. 2,273,384; Feb. 17.
Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Masking means. 2,273,385; Feb. 17.
Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Mirror and diaphragm release means for reflex cameras. 2,273,386; Feb. 17.
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steiner Sales Company. (See Steiner, F. G., and Birr, assignors.)
Stephenson, William H. (See Raymond, Horace H., assignor.)
Stern, Milton C., assignor to The Egry Register Company, Dayton, Ohio. Loading manifolding devices and stationery material therefor. 2,273,337; Feb. 17.
Stevens, Charles W., Kearney, Nebr. Copyholder. 2,273,388; Feb. 17.
Stith, Richard L. (See Nelson, R. H., Stith, and Endres.)
Stockwell, Frank C., Hoboken, and W. F. Penrose, Irvington, N. J., assignors to Empire Electric Brake Corporation. Electromagnet. 2,273,073; Feb. 17.
Stoner, Arthur M., West Hartford, assignor to The Jacob Manufacturing Company, Hartford, Conn. Self-tightening chuck. 2,273,293; Feb. 17.
Stratford, Reginald K., Moore, Ontario, Canada, assignor to Standard Oil Development Company. Deoiling slack wax. 2,273,153; Feb. 17.
Strickland, Hugh L. (See Breyley, Clifton C., assignor.)
Stromsoe, Douglas A., San Gabriel, Calif. Pipe joint. 2,273,154; Feb. 17.
Strong, William E. S., assignor to John B. Pierce Foundation, New York, N. Y. Cementitious structural unit. 2,273,775; Feb. 17.
Strother, John A. (See Thatcher, L. A., and Strother.)
Strother, John A., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Tape control printing device. 2,273,294; Feb. 17.
Strother, John A., Stamford, and E. H. Owen, Old Greenwich, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Letter and tape printing device. 2,273,295; Feb. 17.
Stuart, Henry B., assignor to Whitin Machine Works, Whitinsville, Mass. Securing device for spinning or twisting ring. 2,273,387; Feb. 17.
Stump, Earl, assignor to Roberts and Schaefer Company, Chicago, Ill. Apparatus and process for separating and cleaning materials. 2,273,296; Feb. 17.
Stumpf, Louis J. (See Stumpf, Russell L., assignor.)
Stumpf, Russell L., assignor of one-half to L. J. Stumpf, Springfield, Ohio. Sectional inking roller for printing presses. 2,273,669; Feb. 17.
Sturgis, Bernard M., Pitman, N. J., and J. J. Verbanc, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-mercapto-thiazolines. 2,273,424; Feb. 17.
Submarine Signal Company. (See Batchelder, Laurence, assignor.)
Sullins, Harvey A., Gower, Mo. Back drape support for casket trucks. 2,273,501; Feb. 17.
Sullivan, Edmund B., Mount Vernon, N. Y. Shirt neckband. 2,273,155; Feb. 17.
Summerhayes, John S., Schenectady, N. Y. Ski harness. 2,273,541; Feb. 17.
Sundstrand Engineering Co. (See Kiefer, William R., assignor.)
Superior Concrete Accessories. (See Hillberg, Bror, assignor.)
Superior Paper Products Company. (See Warren, Robert H., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Westberg, Evald E., assignor.)
Sylvania Industrial Corporation. (See Wallach, Roger, assignor.)
Szayna, Antoni, Brooklyn, assignor to A. C. Travis, New York, N. Y. Sulphur absorbent and regenerating. 2,273,297; Feb. 17.
Szayna, Antoni, Brooklyn, N. Y., assignor to A. C. Travis, New York, N. Y. Treatment of hydrocarbons. 2,273,298; Feb. 17.
Szayna, Antoni, Brooklyn, assignor to A. C. Travis, New York, N. Y. Treatment of hydrocarbons. 2,273,299; Feb. 17.
Sziklai, George. (See Kimball, C. N., and Sziklai.)
Talon, Inc. (See Poux, Noel J., assignor.)
Talon, Inc. (See Quisling, Sverre, assignor.)
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bottle cooler. 2,273,233; Feb. 17.
Tanner, Robert R., Highland Park, Mich., assignor, by mesne assignments, to Parker Rust-Proof Company. Method of and solution for producing a coated iron article. 2,273,234; Feb. 17.
Tasker, Robert A., assignor of one-third to H. M. Gates, Syracuse, N. Y. Diaper. 2,273,542; Feb. 17.
Taylor Instrument Companies. (See Edwards, Evan A., assignor.)
Taylor, Monroe B. (See Burks, James B., assignor.)
Taylor, Smith & Taylor Company, The. (See Bower, James A., assignor.)
Taylor, Thomas H., assignor to H. G. Ketchum, Lake Luzerne, N. Y. Trap. 2,273,738; Feb. 17.
Teaf, John H., Moorestown, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Mechanical tuning mechanism. 2,273,499; Feb. 17.
Teeple, L. R., Company. (See Ullberg, Harold V., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brück, Lothar, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kreienfeld, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rehder, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Radinger, Rudolf, assignor.)
Teletype Corporation. (See Burcky, Charles W., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Teletype Corporation. (See Wack, James E., assignor.)
Teletype Corporation. (See Zenner, Raymond E., assignor.)
Teletypesetter Corporation. (See Goetz, Maurus T., assignor.)
Tellegen, Bernardus D. H. (See Haantjes, J., and Tellegen.)
Tenney, Dwight, Verona, assignor to E. F. Tilley, Dunellen, N. J. Heat transferring device. 2,273,157; Feb. 17.
Te Pas, Coletta A., as administratrix. (See Te Pas, Edmund J., assignor.)
Te Pas, Edmund J. (See Berg, Emil G., assignor.)
Te Pas, Edmund J., Euclid, Ohio; C. A. Te Pas, administratrix of said E. J. Te Pas, deceased. Shaving device and cutter head therefor. 2,273,739; Feb. 17.
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Terrill, Percy M., Weirton, W. Va., assignor to R. L. Spach, Canton, Ohio. Ingot mold liner. 2,273,543; Feb. 17.
Terry, Bennett F., New York, N. Y. Printing process. 2,273,740; Feb. 17.
Textile Machine Works. (See Ohlinger, Robert G., assignor.)
Thatcher, Linden A., and J. A. Strother, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Letter and tape printer. 2,273,300; Feb. 17.
Thoma & Gould Sales Company. (See Lude, Max H., assignor.)
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Production of catalytic material. 2,273,338; Feb. 17.
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking. 2,273,339; Feb. 17.
Thomas, Frank P., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Container. 2,273,601; Feb. 17.
Thomas, Robert M., Union, and D. C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,273,158; Feb. 17.
Thompson, Howard A., Edgewood, and C. W. Fallor, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,273,477; Feb. 17.
Thompson, John H., Glendale, assignor to Eric Locke, Los Angeles, Calif. Variable speed device. 2,273,478; Feb. 17.
Tilley, Edwin F. (See Tenney, Dwight, assignor.)
Tobin, Harry. (See Kenyon, R. L., and Tobin.)
Tomkins-Johnson Company. (See Ward, Loyd A., assignor.)
Tongberg, Carl O., Westfield, C. S. Lynch, Fanwood, and J. H. Bartlett, Cranford, N. J., assignors to Standard Oil Development Company. Isomerization of normal pentane. 2,273,159; Feb. 17.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Electric light fixture. 2,273,728; Feb. 17.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Switch box having plug-in outlet. 2,273,729; Feb. 17.
Toussaint, Heinrich, Berlin, K. M. Groetschel, Bochum, and K. T. Jasper, Essen; said Groetschel and said Jasper assignors to said Toussaint and Bochumer Eisenhutte Heintzmann & Co., Bochum, Germany. Two-part mine stanchion. 2,273,389; Feb. 17.
Tower, Edwin B. H., Jr., Milwaukee, Wis. Water hammer arrester. 2,273,766; Feb. 17.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Traut, William A., West Allis, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Motion transmitting mechanism. 2,273,602; Feb. 17.
Travis, Albert C. (See Szayna, Antoni, assignor.)

Traylor, Waldorf S., Newport, assignor to Hercules Powder Company, Wilmington, Del. Chewing gum. 2,273,425; Feb. 17.
Trump, Elno H. (See Rowen, B. R., and Trump.)
Tuchscherer, Paul, Chemnitz, and B. Köhler, Einsiedel, assignors to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Flat knitting machine. 2,273,301; Feb. 17.
Tuck, Leo J., Denver, Colo. Meat block resurfacing machine. 2,273,160; Feb. 17.
Tuukkanen, Edwin C. (See Davis, L., and Tuukkanen.)
Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Fuel injection control system. 2,273,670; Feb. 17.
Ullberg, Harold V., assignor to L. R. Teeple Company, Portland, Oreg. Magnet switch. 2,273,671; Feb. 17.
Umlandt, William H., assignor to Automatic Button Company, Muscatine, Iowa. Machine for compressing lenses or the like. 2,273,500; Feb. 17.
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)
Union Special Machine Company. (See Sauer, G., and Smith, assignors.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Snavely, C. S., and Miller, assignors.)
Union Switch & Signal Company. (See Thompson, H. A., and Fallor, assignors.)
United Acoustical Corporation. (See Yerkovich, Simon, assignor.)
United Autographic Register Co. (See Euth, J. E., and Colwill, assignors.)
United Shoe Machinery Corporation. (See Campbell, Rouel R., assignor.)
United Shoe Machinery Corporation. (See Eek, Albin C., assignor.)
United Shoe Machinery Corporation. (See Hayner, Alex, assignor.)
United Shoe Machinery Corporation. (See Prichard, William W., assignor.)
United States Rubber Company. (See Aldrich, Lusius D., assignor.)
Universal Oil Products Company. (See Benedict, W. L., and Ahlberg, assignors.)
Universal Oil Products Company. (See Chenicek, Joseph A., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Grosse, assignors.)
Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Universal Winding Company. (See Perry, Eugene L., assignor.)
Upton, Eugene V., Springfield, Mo. Steam generator. 2,273,767; Feb. 17.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Polarized wave modulation by phase variation. 2,273,161; Feb. 17.
Vandenberg, Paul W., Elmhurst, assignor to Crane Co., Chicago, Ill. Boiler. 2,273,453; Feb. 17.
Vandervort, Paul F., Canton, assignor to General Container Corporation, Cleveland, Ohio. Carton. 2,273,544; Feb. 17.
Van der Willigen, Paul C. (See Reerink, E. H., and van der Willigen.)
Van Gasselt, Antonius J. M., Venlo, Netherlands. Stretcher. 2,273,672; Feb. 17.
Van Loon, Carel J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Volume control circuit. 2,273,673; Feb. 17.
Van Vick, Russell T., Duluth, Minn. Egg carton. 2,273,674; Feb. 17.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Radio Corporation of America. Receiving system. 2,273,546; Feb. 17.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D. Company, Detroit, Mich. Electric switch. 2,273,545; Feb. 17.
Van Zale, George, Bay City, Mich. Tire removing tool. 2,273,340; Feb. 17.
Varcoe, Garland S., Cleveland Heights, and E. A. Purdy, University City, assignors to Garland S. Varcoe, Cleveland Heights, Ohio. Automatic combined heating and compressing apparatus. 2,273,730; Feb. 17.
Verbanc, John J. (See Sturgis, B. M., and Verbanc.)
Verbeek, Arnold F., Saxony, Germany, assignor to Kalio, Inc., New York, N. Y. Control attachment for narrowing mechanism. 2,273,675; Feb. 17.
Verden, Theodore J., Milwaukee, Wis. Cleaning cylindrical containers. 2,273,603; Feb. 17.
Vetter, Julius W., Milwaukee, Wis. Display apparatus. 2,273,604; Feb. 17.
Victor Products Corporation. (See Elliott, T. S., Sr., assignor.)
Vineberg, Joseph H., Ottawa, Ontario, Canada. Package. 2,273,302; Feb. 17.
Vines, Raymond F. (See Wise, E. M., and Vines.)
Vitarama Corporation. (See Waller, Fred, assignor.)
Vollmer, Charles M., St. Louis, Mo. Dust collector. 2,273,341; Feb. 17.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany. Ultraviolet or electronic microscope. 2,273,235; Feb. 17.
Von Radinger, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ohmic resistance for ultra-short waves. 2,273,547; Feb. 17.
Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Powdered catalyst regeneration and recovery. 2,273,076; Feb. 17.
Wack, James E., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system. 2,273,236; Feb. 17.
Wahl, John C., Buffalo, N. Y. Article dispensing or vending machine. 2,273,479; Feb. 17.
Wakeman, Reginald L., Pittsburgh, Pa., assignor to Allied Chemical & Dye Corporation. Mixed unsymmetrical ketones and producing them. 2,273,676; Feb. 17.
Waldron, George R., Tujunga, assignor of one-half to F. J. De Bouchelle, Hermosa Beach, Calif. Helicopter type airship. 2,273,303; Feb. 17.
Walker, Eric A. (See Povey, E. H., and Walker.)
Wall, Joseph E., St. Louis, Mo. Valve. 2,273,605; Feb. 17.
Wallach, Roger, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and making the same. 2,273,677; Feb. 17.
Waller, Fred, Huntington, assignor to Vitarama Corporation, New York, N. Y. Screen for picture projection. 2,273,074; Feb. 17.
Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 2,273,237; Feb. 17.
Ward, Loyd A., assignor to Tomkins-Johnson Company, Jackson, Mich. Underfeed riveting machine. 2,273,454; Feb. 17.
Ward Plastic & Rubber Company. (See Rowen, B. R., and Trump, assignors.)
Warren, Robert H., Mount Wolf, assignor to Superior Paper Products Company, Pittsburgh, Pa. Chick box. 2,273,390; Feb. 17.
Washburn, David A., New Haven, Conn. Device for supporting stage curtains or the like. 2,273,426; Feb. 17.
Watertown Manufacturing Company, The. (See Hedu, Jon, assignor.)
Watson, Arthur H., et al. (See Fishel, Robert G., assignor.)
Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)
Watson, Thomas S., assignor of one-half to Huebsch Manufacturing Company, Milwaukee, Wis. Apparatus for drying laundry. 2,273,304; Feb. 17.
Wean Engineering Company, The. (See Bell, H. S., and Melin, assignors.)
Wean Engineering Company, The. (See Wean, R. J., Melin and Berk, assignors.)
Wean, Raymond J., H. E. Melin, and E. R. Berk, assignors to The Wean Engineering Company, Inc. Apparatus for galvanizing. 2,273,427; Feb. 17.
Webb, Nelson W., Montclair, assignor to Encor Corporation, Belleville, N. J. Molding machine and mold for centrifugal casting of annular bodies. 2,273,238; Feb. 17.
Webber, Owen T., Pittsburgh, Pa., assignor to Allegheny-Ludlum Steel Corporation. Sheet metal sink. 2,273,606; Feb. 17.
Webby, Clive N., Riverlea, Taranaki, New Zealand, assignor to Daisy Manufacturing Company, Plymouth, Mich. Repeating air gun. 2,273,678; Feb. 17.
Weeks, Perry A. (See Plott, G. G., and Weeks.)
Weems, George S., 3rd, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Powdered catalyst system. 2,273,075; Feb. 17.
Welcker, Carl H., Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Pocket billiard ball triangle. 2,273,239; Feb. 17.
Weinberg, Charles, New York, N. Y. Lapel for reversible coats and the like. 2,273,742; Feb. 17.
Weinstein, Edward, New York, N. Y. Collapsible dress form. 2,273,743; Feb. 17.
Weinstein, Edward, Bronx, N. Y. Collapsible dress form. 2,273,744; Feb. 17.
Weis, Charles L., Jr., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulator. 2,273,548; Feb. 17.
Wells, Stanley A. E. (See Murphy, A. J., and Wells.)
Well Surveys, Incorporated. (See Neufeld, Jacob, assignor.)
Wenger, Arthur W., Utica, N. Y. Apparatus for attaching ferrules to fishing rods. 2,273,741; Feb. 17.
Weskenson Corporation. (See Johnson, William H., assignor.)
Wesp, Edward F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of yarn. 2,273,240; Feb. 17.
Wesson Company. (See Smith, J. Hugo, assignor.)
Westberg, Evald E., assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Valve device. 2,273,679; Feb. 17.
Western Cartridge Company. (See Kopp, Walter R., assignor.)
Western Electric Company. (See Entwistle, H. F., and Lewis, assignors.)

Western Electric Company. (See Fisher, Sidney T., assignor.)
Western Electric Company. (See McDaniels, Shryock P., assignor.)
Western Electric Company. (See Moss, E. C., and Williams, assignors.)
Western Electric Company. (See Wright, Esmond P. G., assignor.)
Western Union Telegraph Company, The. (See Angel, Herbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dunn, Thomas R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fischer, Frederick K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freeman, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, Daniel S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Köttgen, Emil, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCloy, Graham S., assignor.)
Westinghouse Electric & Manufacturing Company. (See McGowan, M. E., and Rehberg, assignors.)
Westinghouse Electric & Manufacturing Company. (See Neumann de Margitta, Michael J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Plinker, Herbert E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Semar, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tanner, Elo C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, F. C., and Devries, assignors.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westra, Chancey B., Houston, Tex., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ice cube release. 2,273,745; Feb. 17.
White, William D., Greensboro, N. C. Loose-leaf binder. 2,273,746; Feb. 17.
Whitehead, William, Rye, N. Y., assignor to Celanese Corporation of America. Production of color effects on textile or other materials. 2,273,305; Feb. 17.
Whitin Machine Works. (See Stuart, Henry B., assignor.)
Whitman, Vernon E., and L. D. Nadel, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Combined hinge and latch structure of general application. 2,273,455; Feb. 17.
Wiebusch, Charles F. (See Bolz, A. L., Bredehoft, and Wiebusch.)
Wiegerinck, Hendrikus T. J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifier control circuit. 2,273,680; Feb. 17.
Willard, Robert P., Lewiston, assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Strip separating mechanism. 2,273,162; Feb. 17.
Williams, James F. (See Moss, E. C., and Williams.)
Williams, Lytle L. (See Smith, R. A., and Williams.)
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Electrical wave filter system. 2,273,163; Feb. 17.
Wilson, William H., Detroit, Mich. Semitrailer. 2,273,164; Feb. 17.
Wingfoot Corporation. (See Bryan, W. M., and Peters, assignors.)
Wingfoot Corporation. (See Calvert, William C., assignor.)
Wingfoot Corporation. (See Campbell, J. F., and Ringlein, assignors.)
Wingfoot Corporation. (See Dinsmore, Ray P., assignor.)
Wingfoot Corporation. (See Gardner, Charles E., assignor.)
Wingfoot Corporation. (See Mallory, Gerald D., assignor.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Wingfoot Corporation. (See Snyder, James E., assignor.)
Wingfoot Corporation. (See Zimmerman, Charles H., assignor.)
Winkler, Frederic C., Lakewood, and A. De Vries, Cleveland, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminaire. 2,273,681; Feb. 17.
Winslow, Albert E., New London, Conn., assignor to Atwood Machine Company. Yarn handling machine. 2,273,241; Feb. 17.
Winthrop Chemical Company, Inc. (See Klös, Heinrich, assignor.)
Wirgin, Josef, New York, N. Y. Tripod leg. 2,273,791; Feb. 17.
Wise, Edmund M., Westfield, and R. F. Vines, Garwood, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Platinum alloy. 2,273,805; Feb. 17.
Wise, Edmund M., Westfield, and R. F. Vines, Garwood, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Platinum alloy. 2,273,806; Feb. 17.
Wise, George, Washington, D. C. Toilet device. 2,273,607; Feb. 17.
Wolf, Eugene G., assignor to Landis Machine Company, St. Louis, Mo. Shoe stitcher structure. 2,273,080; Feb. 17.
Wolf, Ralph F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polyvinyl chloride solution and making the same. 2,273,682; Feb. 17.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole cutting mechanism for sewing machines. 2,273,242; Feb. 17.
Wood Newspaper Machinery Corporation. (See Ricards, Charles L., assignor.)
Woodward, Elmer E., deceased, by W. T. Woodward, administrator, assignor to Woodward Governor Company, Rockford, Ill. Speed regulating system. 2,273,408; Feb. 17.
Woodward Governor Company. (See Lilja, Edgar D., assignor.)
Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatically controlled unit. 2,273,306; Feb. 17.
Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatic unit. 2,273,307; Feb. 17.
Woodward, Walter T., administrator. (See Woodward, Elmer E.)
World Bestos Corp. (See Nanfeldt, William, assignor.)
Wooster, Ernest F., San Diego, Calif. Sheet metal holder. 2,273,608; Feb. 17.
Worthington, Wayne H. (See Ross, J. S., and Worthington.)
Woytych, Raymond M., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Speed-change gearing. 2,273,807; Feb. 17.
Wray, Rex D. (See Potter, Elbert R., assignor.)
Wright, Esmond P. G., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Tariff determining equipment for telephone systems. 2,273,165; Feb. 17.
Wright, Gilbert M., Los Angeles, Calif. Producing sound effects. 2,273,077; Feb. 17.
Wright, Gilbert M., Los Angeles. Producing sound effects. 2,273,078; Feb. 17.
Wright, John, Parkland, Md. Electric iron control. 2,273,079; Feb. 17.
Wrighton, William J., and T. C. Jarrett, assignors to American Optical Company, Southbridge, Mass. Induction heating. 2,273,609; Feb. 17.
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Xenis, Constantine P., Little Neck, W. Perine, Halesite, and R. E. King, Brooklyn, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Electrical circuit control device. 2,273,610; Feb. 17.
Yates, George, Glendale, Calif. Drain plug. 2,273,480; Feb. 17.
Yerkovich, Simon, assignor to United Acoustigraph Corporation, Los Angeles, Calif. Apparatus for reproducing and recording sound. 2,273,391; Feb. 17.
Young, Otto W., Maplewood, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 2,273,308; Feb. 17.
Youngberg, Walter K., Meriden, Conn. Oil gauge. 2,273,549; Feb. 17.
Zand, Stephen J., Forest Hills, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic caging device for gyroscopes. 2,273,309; Feb. 17.
Zanetti, Augustus V., Clifton, N. J. Fuel injecting device. 2,273,243; Feb. 17.
Zapf, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Impulse sender. 2,273,550; Feb. 17.
Zenner, Raymond E., Brookfield, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,273,081; Feb. 17.
Zieleck, Louis E. (See Rice, E. F., and Zieleck.)
Zimmerman, Henry L., Davenport, Iowa. Machine for grinding thin metal strips. 2,273,456; Feb. 17.
Zimmerman, Charles H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Safety tube. 2,273,457; Feb. 17.
Zurek, Frank, Roslyn Heights, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Code translating machine and mechanism. 2,273,776; Feb. 17.
Zweier, Ralph D., Baltimore, Md., assignor to Bethlehem Steel Company. Cap for ingot molds. 2,273,551; Feb. 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Airplane or the like. R. J. Nebesar. Des. Re. 22,029; Feb. 17.
Condenser tube protector. T. J. Bay. Re. 22,027; Feb. 17.
Electrical plug device. L. P. Clark, Jr. Re. 22,028; Feb. 17.

LIST OF DESIGN INVENTIONS

Arm guard, Archers'. C. E. Love. 131,437; Feb. 17.
Ashtray. O. Matthews. 131,438; Feb. 17.
Badge or similar article. M. O'Dea. 131,446; Feb. 17.
Bowl and mirror, Combined flower. H. A. Fuld. 131,435; Feb. 17.
Bracelet or similar article. A. Philippe. 131,439; Feb. 17.
Brooch or similar article. D. Mir. 131,425; Feb. 17.
Brooch or similar article. A. Philippe. 131,426–30; Feb. 17.
Candelabra. M. B. Brooks. 131,403; Feb. 17.
Cap. E. C. Hogg. 131,419; Feb. 17.
Card shuffler. W. Krebs. 131,410; Feb. 17.
Clock. B. Lerman. 131,420–3; Feb. 17.
Clock, Electric. L. Eickemeyer. 131,417; Feb. 17.
Connecting rod. F. P. Clark. 131,432; Feb. 17.
Dish or article of similar nature, Glass. A. J. Dreitzer. 131,405; Feb. 17.
Dish or article of similar nature, Glass relish. A. J. Dreitzer. 131,406; Feb. 17.
Dress. A. Brody. 131,441; Feb. 17.
Dress. E. Cutler. 131,442; Feb. 17.
Dress. S. Etkin. 131,444; Feb. 17.
Dress. S. Zahn. 131,449–52; Feb. 17.
Dress ensemble. S. Etkin. 131,443; Feb. 17.
Dress ensemble. S. Riesenberg. 131,447; Feb. 17.
Eraser and chalk rail cleaner body, Combined. J. C. Mather. 131,424; Feb. 17.
Fruit juicer. J. O. Reinecke. 131,411; Feb. 17.
Game board. L. E. Hoffmaster. 131,418; Feb. 17
Hook, Clothing. V. Keller. 131,445; Feb. 17.
Jewelry finding. J. Kantor. 131,409; Feb. 17.
Knife blade and file, Combination. H. L. Fischer. 131,407; Feb. 17.
Lamp for cooking ranges. D. L. Edelmuth. 131,433; Feb. 17.
Lipstick advertising device. F. N. Lewis. 131,436; Feb. 17.
Lipstick holder. H. Preller. 131,440; Feb. 17.
Nappy or article of similar nature, Glass. A. J. Dreitzer. 131,404; Feb. 17.
Pin or similar article. M. Boucher. 131,415–16; Feb. 17.
Plate or similar article. W. Remstein. 131,412; Feb. 17.
Ring, Ventilated finger. W. R. Rowan. 131,414; Feb. 17.
Shoe. H. L. Sutcliffe. 131,448; Feb. 17.
Slip or similar article. S Wolf. 131,431; Feb. 17.
Sock. J. Harms. 131,408; Feb. 17.
Tray, Ash. R. B. Fageol. 131,434; Feb. 17.
Vaporizer, Electric. J. Robinson. 131,413; Feb. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator of vulcanization. P. C. Jones. 2,273,323–4; Feb. 17.
Accessory for garment ironing operations. J. W. Steele. 2,273,072; Feb. 17.
Acetic acid, Purification of. E. C. Britton, R. P. Perkins, and J. Dietzler. 2,273,459; Feb. 17.
Acid, Manufacture of monoperphthalic. J. S. Reichert and A. A. Elston. 2,273,774; Feb. 17.
Acids and acetals from esters and aldehydes, Preparation of. D. J. Loder. 2,273,786; Feb. 17.
Acids from ketones, Organic. A. T. Larson. 2,273,785; Feb. 17.
Adhesive applying machine. H. F. Cox, Jr. 2,273,021; Feb. 17.
Adjustable chair. J. R. Staudt. 2,273,667; Feb. 17.
Adjustable separator. F. J. Rouan. 2,273,288; Feb. 17.
Adjustable support. C. G. Orech and E. G. Schaaf. 2,273,136; Feb. 17.
Advertising device. J. Gosling, Jr. 2,273,259; Feb. 17.
Air conditioner. J. E. Myers. 2,273,587; Feb. 17.
Air conditioning apparatus. L. D. Houlis. 2,273,357; Feb. 17.
Air control. C. H. Anderson. 2,273,458; Feb. 17.
Air separator and filter. P. S. Dickey and C. Johnson. 2,273,779; Feb. 17.
Airplane, Bomb-carrying. R. H. Nelson, R. L. Stith, and T. A. Endres. 2,273,724; Feb. 17.
Airplane light. C. Adler, Jr. 2,273,748; Feb. 17.
Airship, Helicopter type. G. R. Waldron. 2,273,303; Feb. 17.
Alarm box. A. R. Gould. 2,273,440; Feb. 17.
Alarm fitting. N. M. Couty. 2,273,394; Feb. 17.
Alcohol, and catalyst therefor, Treating. R. L. Hasche. 2,273,573; Feb. 17.
Alcohols and making same, Diamino benzyl. J. B. Dickey and J. G. McNally. 2,273,564; Feb. 17.
Alkaloid from species of erythrina and its production, Physiologically active. K. Folkers and F. Koniuszy. 2,273,031; Feb. 17.
Alloy *See*—
  Platinum alloy.
Alloys, Aluminum base. A. J. Murphy and S. A. E. Wells. 2,273,061; Feb. 17.
Amines of the acetylene series, Production of. W. Reppe, E. Keyssner, and O. Hecht. 2,273,141; Feb. 17.
Amplifier circuit. J. Haantjes. 2,273,519; Feb. 17.
Amplifier control circuit. H. T. J. Wiegerinck. 2,273,680; Feb. 17.
Animal garment. M. F. Hafner. 2,273,706; Feb. 17.
Antenna, Motor vehicle. P. S. de Beaumont. 2,273,628; Feb. 17.
Antiskid device. R. L. Gelinas. 2,273,753; Feb. 17.
Antiskidding device for automobiles. R. G. Robert. 2,273,663; Feb. 17.
Antisplitting device. R. E. Beegle. 2,273,507; Feb. 17.
Antisplitting iron. R. E. Beegle. 2,273,508; Feb. 17.
Apparatus and process for separating and cleaning materials. E. Stump. 2,273,296; Feb. 17.
Apparatus for agricultural spraying. A. R. Black and E. B. Glendenning. 2,273,344; Feb. 17.
Apparatus for ascertaining a subject's behavior when operating a motor vehicle. H. R. De Silva. 2,273,091; Feb. 17.
Apparatus for attaching ferrules to fishing rods. A. W. Wenger. 2,273,741; Feb. 17.
Apparatus for drying laundry. T. S. Watson. 2,273,304; Feb. 17.
Apparatus for feeding ceramic slip. J. A. Bower. 2,273,016; Feb. 17.
Apparatus for forming sift proof bag closures. R. T. Moore. 2,273,583; Feb. 17.
Apparatus for galvanizing. R. J. Wean, H. E. Melin, and E. R. Berk. 2,273,427; Feb. 17.
Apparatus for holding rubber tire stock during cutting operations thereon. G. L. Mather. 2,273,533; Feb. 17.
Apparatus for opening metal containers. L. Hermani. 2,273,264; Feb. 17.
Apparatus for removing solids from fluids. F. W. Kerns. 2,273,271; Feb. 17.
Apparatus for removing weld flash from sheet metal. R. G. Campbell and D. B. McLouth. 2,273,624; Feb. 17.
Apparatus for reproducing and recording sound. S. Yerkovich. 2,273,391; Feb. 17.
Apparatus for securing valve stems to rubber tubes. M. L. Engler and W. J. Breth. 2,273,185; Feb. 17.
Apparatus for splicing rubber articles. J. F. Campbell and J. F. Ringlein. 2,273,463; Feb. 17.
Apparatus for treating oils. S. E. Campbell. 2,273,482; Feb. 17.

Article and making the same. R. Wallach. 2,273,677; Feb. 17.
Article dispensing or vending machine. J. C. Wahl. 2,273,479; Feb. 17.
Artificial structure. G. P. Hoff. 2,273,200; Feb. 17.
Ash tray. E. G. Simpson. 2,273,335; Feb. 17.
Automatic animal trap. G. F. Fisher. 2,273,008; Feb. 17.
Axle housing. G. Spatta. 2,273,336; Feb. 17.
Bag *See*—
  Water bag.
Bar *See*—
  Draw bar.
  Locking thread carrier bar.
Bar support and spacer, Combined. B. Hillberg. 2,273,197; Feb. 17.
Battery cell, Storage. C. Ambruster. 2,273,244; Feb. 17.
Beading process. T. R. Dunn. 2,273,437; Feb. 17.
Bearing for sensitive instruments. H. Murtagh and W. G. Harding. 2,273,803; Feb. 17.
Bearing seal. R. R. Searles. 2,273,380; Feb. 17.
Beryllium from ores, Extraction of. H. H. Armstrong. 2,273,168; Feb. 17.
Beverage filter. M. H. Schroeder. 2,273,422; Feb. 17.
Billiard ball triangle, Pocket. C. H. Weicker. 2,273,239; Feb. 17.
Binder, Loose-leaf. W. D. White. 2,273,746; Feb. 17.
Boiler. P. W. Vandenburg. 2,273,453; Feb. 17.
Boiler and superheater. E. L. and C. A. Scheliens. 2,273,290; Feb. 17.
Bolt, Grip. H. A. Harris and D. Rasky. 2,273,102; Feb. 17.
Bomb release signal lamp assembly. A. D. Dircksen. 2,273,026; Feb. 17.
Book of carbon papers. J. B. Beach. 2,273,005; Feb. 17.
Booster for friction controls or clutches. L. Perry. 2,273,496; Feb. 17.
Boring tool holder. W. L. Groene. 2,273,258; Feb. 17.
Boring tool, Retractable. J. H. Smith. 2,273,228; Feb. 17.
Bottle carrier. R. A. Himes. 2,273,266; Feb. 17.
Bottle cooler. R. H. Guyton. 2,273,189; Feb. 17.
Bottle cooler. E. C. Tanner. 2,273,233; Feb. 17.
Bowling ball finger grip. N. C. Hilton and J. N. Kuzmick. 2,273,199; Feb. 17.
Box *See*—
  Alarm box.
  Chick box.
  Journal box.
Box structure gem mounting. J. Simmons. 2,273,227; Feb. 17.
Boxes, Breaking the four scored corners of collapsible paper. G. Selfert. 2,273,419; Feb. 17.
Bracelet construction. E. Prestinari. 2,273,218; Feb. 17.
Brake *See*—
  Railway truck brake.
  Solenoid operated brake.
Brake beam structure. E. G. Busse. 2,273,623; Feb. 17.
Brake drums, Forming. J. Batie. 2,273,615; Feb. 17.
Brake lining, Making. W. Nanfeldt. 2,273,770; Feb. 17.
Brake mechanism. E. R. Burrell. 2,273,345; Feb. 17.
Brake mechanism. C. A. Sawtelle. 2,273,223; Feb. 17.
Brake mechanism, Wheel. R. T. Humphrey. 2,273,574; Feb. 17.
Braking apparatus, Railway. H. L Bone. 2,273,481; Feb. 17.
Brines, Electolyzing. G. W. Heise and E. A. Schumacher. 2,273,797; Feb. 17.
Brush. C. J. H. Mackenzie-Kennedy. 2,273,278; Feb. 17.
Brush. G. E. Millard and W. G. Hughes. 2,273,717; Feb. 17.
Brush supporting device F. A. Henderson. 2,273,642; Feb. 17.
Brushes, Means for supporting. F. A. Henderson. 2,273,641; Feb. 17.
Business machine. H. A. Leedy. 2,273,491; Feb. 17.
Buttonhole cutting mechanism for sewing machines. A. R. Wood. 2,273,242; Feb. 17.
Cabinet for dispensing sheet material. F. G. Steiner and R. G. Birr. 2,273,384; Feb. 17.
Cable *See*—
  Electric cable.
Caging device for gyroscopes, Automatic. S. J. Zand. 2,273,309; Feb. 17.
Calcium metal-phosphate and hydrogen, The production of. S. Brunauer and J. F. Shultz. 2,273,461; Feb. 17.
Calculating machine. G. C. Chase. 2,273,251; Feb. 17.

Camera and projector, Color. J. G. Kleinhenz. 2,273,112; Feb. 17.
Camera construction. H. S. Barnhart. 2,273,555; Feb. 17.
Camera with built-in exposure meter, Photographic. J. M. Bing. 2,273,429; Feb. 17.
Can *See*—
  Ice can.
Can body making machine. J. H. Murch. 2,273,060; Feb. 17.
Can-arranging machine. C. I. Braren. 2,273,509; Feb. 17.
Can opener. M. H. Meade. 2,273,414; Feb. 17.
Cap for ingot mold. R. D. Zweier. 2,273,551; Feb. 17.
Car wheel. R. L. Kenyon and H. Tobin. 2,273,047; Feb. 17.
Carrier *See*—
  Bottle carrier.
Carton. P. F. Vandervort. 2,273,544; Feb. 17.
Cartons, Lining. C. E. Gardner. 2,273,470; Feb. 17.
Casing and preparing the same, Preserved. N. M. Adams. 2,273,810; Feb. 17.
Catalyst system, Powdered. G. S. Weems 3rd. 2,273,075; Feb. 17.
Catalytic conversion apparatus. M. T. Carpenter. 2,273,089; Feb. 17.
Catalytic cracking. C. L. Thomas. 2,273,339; Feb. 17.
Catalytic material, Production of. C. L. Thomas. 2,273,338; Feb. 17.
Catalyst regeneration and recovery, Powdered. V. Voorhees. 2,273,076; Feb. 17.
Cathode, Incandescible. E. H. Reerink and P. C. van der Willigen. 2,273,762–3; Feb. 17.
Cathode ray tube. E. Bruce. 2,273,433; Feb. 17.
Cathode ray tube. S. O. Ekstrand. 2,273,793; Feb. 17.
Caustic, Preparation of solid. I. E. Muskat and D. R. Means. 2,273,722; Feb. 17.
Cellulose products, Procedure for the dressing and softening of. W. Gellendien and J. Eggert. 2,273,636; Feb. 17.
Cementing machine. A. C. Eek. 2,273,348; Feb. 17.
Centrifugal pump. R. D. Schott. 2,273,420; Feb. 17.
Ceramic flatware, Making cast. J. A. Bower. 2,273,015; Feb. 17.
Chain attaching device, Antiskid. R. P. Batty. 2,273,004; Feb. 17.
Chair *See*—
  Adjustable chair.
  Floating chair.
Chemical process and product. R. K. Iler. 2,273,040; Feb. 17.
Chick box. R. H. Warren. 2,273,390; Feb. 17.
Chlorine from gaseous mixtures, Recovery of. I. E. Muskat. 2,273,723; Feb. 17.
Chuck, Mechanical. E. F. Rice and L. E. Zieleck. 2,273,377; Feb. 17.
Chuck, Self-tightening. A. M. Stoner. 2,273,293; Feb. 17.
Cigarette package. H. J. Anderson and H. K. Deike. 2,273,611; Feb. 17.
Cigarette rolling machine. C. W. Phillips. 2,273,787; Feb. 17.
Circuit *See*—
  Amplifier circuit.
  Amplifier control circuit.
  Gain control circuit.
  Power transmission circuit.
  Volume control circuit.
  Selectivity control circuit.
Circuit control device, Electrical. C. P. Xenis, W. Perine, and R. E. King. 2,273,610; Feb. 17.
Circuit controller, Noninterrupted-current multiple. O. Baller. 2,273,612; Feb. 17.
Circuits, Alternating current operated direct current amplifier. F. H. Shepard, Jr. 2,273,150; Feb. 17.
Circuits, Amplifier control. E. Oosterhuis. 2,273,656; Feb. 17.
Circuits, Electric valve. E. E. Moyer. 2,273,586; Feb. 17.
Circuits, Electron discharge device. S. T. Brewer. 2,273,432; Feb. 17.
Circuits, Receiver. L. Brück. 2,273,619; Feb. 19.
Clamp *See*—
  Hose clamp.
  Tie wire clamp.
Cleaning apparatus. B. Baron. 2,273,170; Feb. 17.
Clips, Spring. A. E. Malmer. 2,273,492; Feb. 17.
Closure for high pressure heads. F. K. Fischer. 2,273,186; Feb. 17.
Clutch. W. H. Johnson. 2,273,646; Feb. 17.
Clutch control mechanism. A. R. Leukhardt. 2,273,277; Feb. 17.
Coated iron article, Method of and solution for producing a. R. R. Tanner. 2,273,234; Feb. 17.
Coating, Method of. W. C. Calvert. 2,273,560; Feb. 17.
Code translating machine and mechanism. F. Zurek. 2,273,776; Feb. 17.
Coded airplane light. C. Adler, Jr. 2,273,747; Feb. 17.
Collar, Multiply. E. A. King. 2,273,647; Feb. 17.
Color effects on textile or materials, Production of. W. Whitehead. 2,273,305; Feb. 17.
Color measuring and analyzing apparatus, Photo-electric. A. L. Holven and T. R. Gillett. 2,273,356; Feb. 17.
Composite articles, Forming. J. E. Batie. 2,273,614; Feb. 17.
Concentration apparatus. G. A. Kelley. 2,273,270; Feb. 17.
Concrete mixtures, Determining the consistency of. W. H. Clagett, Jr. 2,273,750; Feb. 17.
Condensation products. A. H. Gleason. 2,273,100; Feb. 17.
Condenser *See*—
  Slidable-electrode condenser.
Condiment container. R. R. Rowen and E. H. Trump. 2,273,727; Feb. 17.
Connector contact element strip and making the same, Electric. C. E. Gilbert. 2,273,099; Feb. 17.
Container *See*—
  Condiment container.
  Paper container.
Container. R. R. Florian. 2,273,505; Feb. 17.
Container. F. P. Thomas. 2,273,601; Feb. 17.
Container and closure therefor, Metal. H. A. Barnby and S. C. Robison. 2,273,247; Feb. 17.
Containers, Cleaning cylindrical. T. J. Verden. 2,273,603; Feb. 17.
Control apparatus. S. P. McDaniels. 2,273,123; Feb. 17.
Control attachment for narrowing mechanism. A. F. Verbeek. 2,273,675; Feb. 17.
Control device for refrigerating systems. R. F. Peo. 2,273,535; Feb. 17.
Control for testing machines, Hydraulic pressure. A. Sonntag. 2,273,152; Feb. 17.
Control for wind power units, Automatic. B. R. Ansley. 2,273,084; Feb. 17.
Control switch. B. E. Shaw. 2,273,381; Feb. 17.
Control system. P. S. Dickey. 2,273,629; Feb. 17.
Control system. H. O. McGillin. 2,273,126; Feb. 17.
Control system. W. L. McGrath. 2,273,281; Feb. 17.
Control system, Automatic gain. J. B. Moore. 2,273,132; Feb. 17.
Control system for aircraft having sustaining rotors. A. E. Larsen. 2,273,051; Feb. 17.
Control system, Remote. C. S. Snavely and A. B. Miller. 2,273,383; Feb. 17.
Conveyer. A. A. Kottman. 2,273,472; Feb. 17.
Conveyer, Newspaper. C. L. Ricards. 2,273,451; Feb. 17.
Conveyer slat. O. C. Currie. 2,273,627; Feb. 17.
Cooler *See*—
  Bottle cooler.
Copyholder. P. P. Glassey. 2,273,486; Feb. 17.
Copyholder. M. D. Moore. 2,273,584; Feb. 17.
Copyholder. C. W. Stevens. 2,273,388; Feb. 17.
Coupling *See*—
  Hose coupling.
  Tubular coupling.
Coupling device, Train. E. H. Piron. 2,273,621; Feb. 17.
Crusher. H. C. Pollitz. 2,273,772; Feb. 17.
Cultivator, Multiple gang. S. W. Coker. 2,273,392; Feb. 17.
Cup dispenser. S. N. Hope. 2,273,644; Feb. 17.
Cuprous oxide, Stable yellow. L. C. Hurd. 2,273,708; Feb. 17.
Cutting tool. W. R. Reynolds. 2,273,376; Feb. 17.
Dehumidifying system, Chemical. A. B. Newton. 2,273,804; Feb. 17.
Dehydration, Method of handling. W. C. Fry and H. L. Bedell. 2,273,350; Feb. 17.
Demonstrating device. W. M. Bryan and W. F. Peters. 2,273,463; Feb. 17.
Device for detachably clamping cylindrical sections together. W. W. Lowther and F. R. Nohavec. 2,273,210; Feb. 17.
Device for printing meter readings. C. M. Carlton. 2,273,513; Feb. 17.
Device for regulating the fuel admission of internal combustion engines. K. Maybach. 2,273,411; Feb. 17.
Device for supporting an implement on a digit during use. H. H. Johnson. 2,273,044; Feb. 17.
Device for supporting stage curtains or the like. D. A. Washburn. 2,273,426; Feb. 17.
Diacylamino-1,3,5-triazines. L. H. Bock and A. L. Houk. 2,273,687; Feb. 17.
Diaper. R. A. Tasker. 2,273,542; Feb. 17.
Di(arylalkyl) sulphide. R. H. Kimball. 2,273,471; Feb. 17.
Die for the manufacture of fibrous molded pulp articles. G. J. Manson. 2,273,055; Feb. 17.
Die stock. C. W. Shafer. 2,273,598; Feb. 17.
Dielectrics, Determining qualities of. E. H. Povey and E. A. Walker. 2,273,066; Feb. 17.
Direct current remote indicating system. G. V. Rylsky. 2,273,596; Feb. 17.
Disconnecting switch. A. M. Rossman. 2,273,069; Feb 17.
Disintegrator. C. J. P. Hoehn. 2,273,405; Feb. 17.
Dispenser *See*—
  Cup dispenser.
  Drinking straw dispenser.
Dispensing device. C. C. Bregley. 2,273,618; Feb. 17.
Dispensing device. G. A. Robinson. 2,273,330; Feb. 17.
Display apparatus. J. W. Vetter. 2,273,604; Feb. 17.
Display rack. N. G. Huribut. 2,273,575; Feb. 17.
Display rack. H. Livingston. 2,273,409; Feb. 17.
Domestic appliance. G. C. Pearce. 2,273,734; Feb. 17.
Door. J. H. Bowers. 2,273,690; Feb. 17.
Door actuating means, Garage J. R. Rich. 2,273,594; Feb. 17.
Door collection receptacle. W. F. and W. V. Kruschwitz and J. S. Florenz. 2,273,580; Feb. 17.

Dough-molding machine. H. C. Rhodes. 2,273,219; Feb. 17.
Drain plug. G. Yates. 2,273,480; Feb. 17.
Drape support for casket trucks, Back. H. A. Sullins. 2,273,501; Feb. 17.
Draw bar. J. Lux. 2,273,410; Feb. 17.
Drawer lock, Furniture. J. C. Siegel. 2,273,151; Feb. 17.
Dress form, Collapsible. E. Weinstein. 2,273,743–4; Feb. 17.
Drill pipe, Right and left. A. Boynton. 2,273,017; Feb. 17.
Drinking straw dispenser. G. W. Pace. 2,273,658; Feb. 17.
Drive, Electrically powered locomotive. H. F. Flowers. 2,273,256; Feb. 17.
Drive mechanism for sheet coating apparatus. H. S. Bell and H. E. Melin. 2,273,085; Feb. 17.
Drum rolling device. M. Owen. 2,273,657; Feb. 17.
Duct-projecting tool, Portable. W. J. Du Pont. 2,273,400; Feb. 17.
Dust collector. C. M. Vollmer. 2,273,341; Feb. 17.
Dyeings and the dyed fiber obtained thereby, Producing fast. G. Kränzlein, W. Kirst, K. Renn, and W. Seidenfaden. 2,273,117; Feb. 17.
Dyeings and the fiber obtained thereby, Producing fast. H. Kracker, W. Schumacher, V. Schwind, and W. Seidenfaden. 2,273,115; Feb. 17.
Dyestuffs insoluble in water, and fiber dyed therewith, Azo. G. Kränzlein and C. J. Müller. 2,273,116; Feb. 17.
Dyestuffs soluble in water, Azo. E. Fischer and H. Henke. 2,273,517; Feb. 17.
Dyestuffs soluble in water, Disazo. E. Fischer and R. Huss. 2,273,094; Feb. 17.
Earth mover. E. W. Austin. 2,273,010; Feb. 17.
Edging and butting machine. C. J. Melby. 2,273,653; Feb. 17.
Egg carton. R. T. Van Vick. 2,273,674; Feb. 17.
Egg grading machine. J. E. Powell. 2,273,591; Feb. 17.
Elastic fabrics, Manufacture of. F. F. Schwartz and M. A. Chavannes. 2,273,148; Feb. 17.
Electric cable. W. Ohnesorge, G. Flanze, and F. Gladenbeck. 2,273,135; Feb. 17.
Electric protective arrangement. J. H. Neher. 2,273,588; Feb. 17.
Electric switch. H. L. Van Valkenburg. 2,273,545; Feb. 17.
Electric switching protective system. E. G. Anger. 2,273,311; Feb. 17.
Electrical compensator. L. Batchelder. 2,273,011; Feb. 17.
Electrical conducting material. R. O. Grisdale. 2,273,704; Feb. 17.
Electrical conductors, Insulating. W. E. Gloor. 2,273,518; Feb. 17.
Electrical conductors to quartz, Sealing. E. Hofman. 2,273,488; Feb. 17.
Electrical fixture. E. G. K. Anderson. 2,273,167; Feb. 17.
Electrical investigation of cased drill holes. E. Lipson. 2,273,363; Feb. 17.
Electrical switch. A. L. Salter. 2,273,764; Feb. 17.
Electrodes into quartz bulbs, Sealing. G. A. Freeman. 2,273,439; Feb. 17.
Electrolytic preparation of nitrogen compounds, Method of. G. W. Heise and E. A. Schumacher. 2,273,796; Feb. 17.
Electrolytic preparation of yellow cuprous oxide. L. C. Hurd. 2,273,643; Feb. 17.
Electrolytic process. G. W. Heise and E. A. Schumacher. 2,273,795; Feb. 17.
Electrolytic process. G. W. Heise and E. A. Schumacher. 2,273,798; Feb. 17.
Electrolytic reduction. M. Janes and G. W. Heise. 2,273,799; Feb. 17.
Electromagnet. F. C. Stockwell and W. F. Penrose. 2,273,073; Feb. 17.
Electromagnetically controlled apparatus and method therefor. W. F. Penrose. 2,273,065; Feb. 17.
Elevator, Portable. M. M. Haider. 2,273,572; Feb. 17.
Eliminator, Hum. W. R. Kiefer. 2,273,529; Feb. 17.
Energy radiating system, Undirective. R. S. Ohl. 2,273,447; Feb. 17.
Engine *See*—
Internal combustion engine.
Engine. T. Jackson. 2,273,202; Feb. 17.
Engines, Starting of internal combustion. J. A. Patterson. 2,273,448; Feb. 17.
Ester blends, Wax acrylate. H. R. Dittmar. 2,273,780; Feb. 17.
Esters and the manufacture thereof, Aromatic. F. R. Bean. 2,273,556; Feb. 17.
Esters, Preparation of organic. R. Johnson. 2,273,269; Feb. 17.
Ether chlorides and process, Substituted aromatic aliphatic. H. A. Bruson. 2,273,622; Feb. 17.
Evaporator, Sirup. S. P. Hayes. 2,273,402; Feb. 17
Excavating and loading machine A. Eliersgaard. 2,273,029; Feb. 17.
Exhaust nozzle for locomotives. O. Jabelmann and L. K. Botteron. 2,273,490; Feb. 17.
Explosive. R. C. Allen. 2,273,166; Feb. 17.
Extrusion device. E. J. Roth. 2,273,595; Feb. 17
Fabric holder device, Narrow. J. W. Funke. 2,273,701; Feb. 17.
Fabric transfer device and the like and method of manipulating fabric. R. G. Ohlinger. 2,273,372; Feb. 17.
Fan. F. Honerkamp. 2,273,756; Feb. 17
Fastener *See*—
Slide fastener.
Fastener H. W. Kost. 2,273,648; Feb. 17.
Fastening. W. J. Boyer. 2,273,692; Feb. 17.
Feeder *See*—
Pig feeder.
Fender shield, Adjustable. G. W. Schatzman. 2,273,539; Feb. 17.
Fender shield construction. H. S. Jandus. 2,273,523; Feb. 17.
Fiber fastening material, Manufacturing. A. Hayner. 2,273,354; Feb. 17.
Fiber-binder composition and making sheets, boards, and molded articles therefrom, Plastic or spreadable. A. L. Clapp. 2,273,313; Feb. 17.
Filament. G. D. Mallory. 2,273,364; Feb. 17.
Filbert nuts, Removal of skins of. E. G. Edes. 2,273,183; Feb. 17.
Film forming material, Composition of halogen containing. K. Desamari and R. Hebermehl. 2,273,436; Feb. 17.
Filter *See*—
Beverage filter.
Fire extinguishers on automotive vehicles, Mounting. G. M. Belmer. 2,273,504; Feb. 17.
Fire-extinguishing liquid. K. Dachlauer. 2,273,515; Feb. 17.
Fishhook structure. J. C. Maire. 2,273,582; Feb. 17.
Fishing kite. C. L. Louthan. 2,273,209; Feb. 17.
Fitting for thermometer stems and the like, Sanitary. E. A. Edwards. 2,273,631; Feb. 17.
Foil and film, Decorated. K. Feuerstein. 2,273,700; Feb. 17.
Flash lamp. M. J. Neumann de Margitta. 2,273,435; Feb. 17.
Floating chair. E. L. Roberti. 2,273,286; Feb. 17.
Floor brush, duster, and squeegee, Combined. J. M. Oberti. 2,273,371; Feb. 17.
Floor heater. F. C. Burt. 2,273,176; Feb. 17.
Flower holder. J. W. Mumford. 2,273,368; Feb. 17.
Flowmeter. W. Rowerdink. 2,273,331; Feb. 17.
Fluorescent type indicator tube. A. S. Jensen. 2,273,800; Feb. 17.
Forging machine. L. M. Brown. 2,273,175; Feb. 17.
Form for concrete footing. J. M. Hightower. 2,273,109; Feb. 17.
Frame *See*—
Rug weaving frame.
Frame for printed sheets, Stacking. H. A. Shaffer. 2,273,476; Feb. 17.
Frequency amplifier circuit, Dual intermediate. G. Mountjoy. 2,273,134; Feb. 17.
Frequency modulated carrier detector. S. Hunt. 2,273,771; Feb. 17.
Frequency modulation detector. W. van B. Roberts. 2,273,144; Feb. 17.
Fruit brushing machine. J. A. Chater. 2,273,020; Feb. 17.
Fuel and valve control system for internal combustion engines. C. M. Oertel. 2,273,216; Feb. 17.
Fuel control device. F. A. Kommer and R. F. Smith. 2,273,205; Feb. 17.
Fuel injecting device. A. V. Zanetti. 2,273,243; Feb. 17.
Fuel injection control system. S. M. Udaile. 2,273,670; Feb. 17.
Furnace for road planing machines. O. O. Davis. 2,273,254; Feb. 17.
Furniture. A. M. Bank. 2,273,428; Feb. 17.
Gain control circuit, Automatic. E. W. Herold. 2,273,107; Feb. 17.
Game. J. E. Smith. 2,273,292; Feb. 17.
Game apparatus. H. A. Fisher. 2,273,009; Feb. 17.
Gas cleaning. C. W. J. Hedberg and J. Phyl. 2,273,194; Feb. 17.
Gases, Evaporation of liquefied. K. A. Gardner. 2,273,257; Feb. 17.
Gases, Polymerization of. E. J. Houdry and J. P. Daugherty, Jr. 2,273,038; Feb. 17.
Gasoline, Treatment of. J. A. Chenicek. 2,273,312; Feb. 17.
Gate *See*—
Starting gate.
Gauge *See*—
Oil gauge.
Gauge for stock saws and other cutting machines. G. H. Cervenka. 2,273,249; Feb. 17.
Gear cutting, Worm. F. P. Kruse. 2,273,050; Feb. 17.
Gearing, Speed-change. R. M. Woytych. 2,273,807; Feb. 17.
Gearing, Variable velocity ratio. F. J. Healey. 2,273,404; Feb. 17.
Gearing, Worm. J. O. Kahl. 2,273,784; Feb. 17.
Gelatin, Treatment of. E. E. Jelley. 2,273,577; Feb. 17.
Generator *See*—
Steam generator.
Glass articles, Forming blown. W. K. Berthold. 2,273,777; Feb. 17.

Glass cutting apparatus. R. J. Louviaux and A. W. Goralske. 2,273,716; Feb. 17.
Glassware, Increasing the durability of. W. K. Berthold. 2,273,778; Feb. 17.
Gold-peptone-saccharide compounds and their manufacture, Water-soluble complex. A. Schwarzmann. 2,273,765; Feb. 17.
Golf ball driving mat for automatic teeing machines. J. Mozel. 2,273,059; Feb. 17.
Golf instruction device. J. W. Norwood. 2,273,416; Feb. 17.
Governor or throttling means, Electric. S. Hansen. 2,273,317; Feb. 17.
Grinding, Method of. E. H. Piron. 2,273,659; Feb. 17.
Grounding contact for footwear. J. Delamere. 2,273,563; Feb. 17.
Guide mechanism. T. L. Burrell. 2,273,087; Feb. 17.
Gum, Chewing. W. S. Traylor. 2,273,425; Feb. 17.
Gun, Repeating air. C. N. Webby. 2,273,678; Feb. 17.
Gyroscope. W. G. Harding and R. H. Nisbet. 2,273,769; Feb. 17.
Halobenzene, Ethylated di-isopropyl. R. R. Dreisbach. 2,273,467; Feb. 17.
Hammer, Internal combustion. C. E. Fitch. 2,273,095; Feb. 17.
Hand lamp. W. R. Kopp. 2,273,114; Feb. 17.
Handle for luggage or the like. J. Hedu. 2,273,442; Feb. 17.
Hanger *See*—
Pipe hanger.
Harvester attachment. L. O. Smith. 2,273,666; Feb. 17.
Heat and power, Transmitting. C. A. Hochwalt. 2,273,781; Feb. 17.
Heat transferring device. D. Tenney. 2,273,157; Feb. 17.
Heater *See*—
Floor heater.
Heating and compressing apparatus, Automatic combined. G. S. Varcoe and E. A. Purdy. 2,273,730; Feb. 17.
Heating and control system. G. D. Guler. 2,273,260; Feb. 17.
Heating control system. W. J. McGoldrick and F. S. Denison. 2,273,127; Feb. 17.
Heating, Induction. W. J. Wrighton and T. C. Jarrett. 2,273,609; Feb. 17.
Hinge and latch structure of general application, Combined. V. E. Whitman and L. D. Nadel. 2,273,455; Feb. 17.
Holder *See*—
Boring tool holder. Lipstick holder.
Flower holder.
Horn and housing. C. E. Meyerhoefer. 2,273,130; Feb. 17.
Hose clamp. J. T. King. 2,273,578; Feb. 17.
Hose coupling, Flexible. N. M. Couty and W. F. Corley. 2,273,398; Feb. 17.
Hose fitting, Swivel. N. M. Couty. 2,273,396–7; Feb. 17.
Hose, Heat shielded flexible. N. M. Couty. 2,273,393; Feb. 17.
Hosiery and producing the same. E. W. Rugeley and T. A. Feild, Jr. 2,273,071; Feb. 17.
Hosiery, Corner construction for full-fashioned. E. S. Sachsenmaier and E. J. Butler. 2,273,145; Feb. 17.
Humidifier. G. A. Dole. 2,273,092; Feb. 17.
Hydraulic control system. H. F. Lawrence. 2,273,649; Feb. 17.
Hydraulic work device. J. C. Cotner. 2,273,315; Feb. 17.
Hydrocarbon distillates, Treatment of. W. L. Benedict and J. E. Ahlberg. 2,273,012; Feb. 17.
Hydrocarbon reactions. V. N. Ipatieff and A. V. Grosse. 2,273,320; Feb. 17.
Hydrocarbons, Recovering. G. W. McCullough. 2,273,412; Feb. 17.
Hydrocarbons, Treatment of. V. N. Ipatieff and H. Pines. 2,273,041–2–3; Feb. 17.
Hydrocarbons, Treatment of. W. A. Schulze. 2,273,224; Feb. 17.
Hydrocarbons, Treatment of. A. Szayna. 2,273,298–9; Feb. 17.
Hydrodynamic machine. W. Ferris. 2,273,468; Feb. 17.
Ice can. T. S. Elliott, Sr. 2,273,184; Feb. 17.
Ice cube release. C. B. Westra. 2,273,745; Feb. 17.
Illuminating attachment for vehicle door locks. E. E. Greenlees. 2,273,570; Feb. 17.
Impulse sender. G. Zapf. 2,273,550; Feb. 17.
Index, Visible. C. E. Attwood. 2,273,310; Feb. 17.
Indicator *See*—
Remote multiple indicator. Visual tuning indicator.
Indicator and recorder, Low frequency. C. A. Lovell. 2,273,532; Feb. 17.
Ingot mold liner. P. M. Terrill. 2,273,543; Feb. 17.
Inking roller for printing presses, Sectional. R. L. Stumpf. 2,273,669; Feb. 17.
Insulating material and manufacture. L. S. Meyer. 2,273,367; Feb. 17.
Internal combustion engine. T. G. Concannon. 2,273,625; Feb. 17.
Internal combustion engine. T. V. Dillström. 2,273,025; Feb. 17.
Internal combustion engine. E. E. Hans. 2,273,352; Feb. 17.
Internal combustion engine, Rotary. H. H. Hand. 2,273,754; Feb. 17.
Iron *See*—
Antisplitting iron.
Iron control, Electric. J. Wright. 2,273,079; Feb. 17.
Jack *See*—
Pump jack.
Joint *See*—
Pipe joint.
Journal box. O. W. Young. 2,273,308; Feb. 17.
Journal box lid. H. L. Spence. 2,273,156; Feb. 17.
Journal box, Sheet metal. O. H. Brauer. 2,273,510; Feb. 17.
Ketones and producing them, Mixed unsymmetrical. R. L. Wakeman. 2,273,676; Feb. 17.
Knitted fabric and method. W. L. Smith, Jr. 2,273,230; Feb. 17.
Knitting machine, Flat. P. Tuchscherer and B. Köhler. 2,273,301; Feb. 17.
Knobs or balls, Making molded. G. Harrison. 2,273,190; Feb. 17.
Ladder. S. P. McDaniels. 2,273,124; Feb. 17.
Laminated material, Manufacture of. L. F. Bannon. 2,273,554; Feb. 17.
Laminated structure. R. P. Dinsmore. 2,273,466; Feb. 17.
Lamp *See*—
Flash lamp. Metal vapor lamp.
Hand lamp.
Lamp and socket construction, Quick detachable electric. C. A. Johnson. 2,273,645; Feb. 17.
Lamp and starting device therefor, Electric discharge. H. J. McCarthy. 2,273,056; Feb. 17.
Lapel for reversible coats and the like. C. Weinberg. 2,273,742; Feb. 17.
Launching device for lifeboats. C. W. Harris. 2,273,318; Feb. 17.
Laundry machine mounting. E. Köttgen. 2,273,712; Feb. 17.
Lawn renovating machine. S. J. Lindskog. 2,273,120; Feb. 17.
Leg, Artificial. S. J. Dew. 2,273,695; Feb. 17.
Letter stripping device. B. J. Mayer. 2,273,280; Feb. 17.
Lid lifter. L. L. Smith. 2,273,229; Feb. 17.
Lifter *See*—
Lid lifter.
Light *See*—
Airplane light. Coded airplane light.
Light fixture, Electric. N. A. Tornblom. 2,273,728; Feb. 17.
Light source. A. F. and G. D. Henninger. 2,273,520; Feb. 17.
Lipstick holder. G. P. Peterson. 2,273,138; Feb. 17.
Liquid meter. P. S. Morgan. 2,273,718; Feb. 17.
Liquor treating apparatus. H. F. Entwistle and M. C. Lewis. 2,273,438; Feb. 17.
Lock *See*—
Drawer lock.
Locking means for bearing ring. R. R. Searles. 2,273,379; Feb. 17.
Locking mechanism for doors. J. W. Shannon, L. M. Hathaway and J. E. McKee. 2,273,149; Feb. 17.
Locking thread carrier bar. F. Cecka. 2,273,248; Feb. 17.
Looms, Letoff mechanism for. M. W. Phillips. 2,273,474; Feb. 17.
Loop regulating mechanism for flat knitting machines. M. C. Miller. 2,273,802; Feb. 17.
Loose leaf binder, Metal. J. B. Godvin and H. D. Penney. 2,273,187; Feb. 17.
Lubricant, Spinnerette. G. D. Graves and W. J. Merrill. 2,273,638; Feb. 17.
Lubrication. J. Bijur. 2,273,013; Feb. 17.
Luminaire. F. C. Winkler and A. De Vries. 2,273,681; Feb. 17.
Macerator and juice extractor. R. Drachenberg. 2,273,093; Feb. 17.
Machine for applying roofing material. R. A. Smith and L. L. Williams. 2,273,599; Feb. 17.
Machine for compressing lenses or the like. W. H. Umlandt. 2,273,500; Feb. 17.
Machine for filling forms with biscuit material. M. M. Raymer. 2,273,735; Feb. 17.
Machine for grinding thin metal strips. H. L. Zimmerman. 2,273,456; Feb. 17.
Machine tool. C. B. De Vlieg. 2,273,399; Feb. 17.
Magazine control, Dual. M. T. Goetz. 2,273,032; Feb. 17.
Magazine, Film. G. D. Krouse. 2,273,274; Feb. 17.
Magnesium oxide, Making pure. S. B. Heath and A. D. Dahl. 2,273,707; Feb. 17.
Magnesium products from brine, Manufacture of. N. R. Collins. 2,273,178; Feb. 17.
Magnet switch. H. V. Ullberg. 2,273,671; Feb. 17.
Manifolding devices and stationery material therefor, Loading. M. C. Stern. 2,273,337; Feb. 17.
Marine propulsion device. V. Metaxas. 2,273,327; Feb. 17.
Masking means. O. Steiner. 2,273,385; Feb. 17.
Massage device. J. F. Klaes. 2,273,710; Feb. 17.
Massaging table. G. Byers. 2,273,088; Feb. 17.
Material handling machine. F. W. Johnson. 2,273,359; Feb. 17.

Mathematical apparatus. W. Maxson and P. J. McLaren. 2,273,652; Feb. 17.
Matter, Compositions of. C. E. Linebarger, Jr., and C. E. Linebarger. 2,273,650; Feb. 17.
Means to transform an alternating potential. L. Brück. 2,273,511; Feb. 17.
Measuring and control apparatus. T. R. Harrison. 2,273,103; Feb. 17.
Measuring and control apparatus. T. R. Harrison. 2,273,191; Feb. 17.
Meat block resurfacing machine. L. J. Tuck. 2,273,160; Feb. 17.
Mercury compound, Organic. H. Klös. 2,273,443; Feb. 17.
Metal bodies, Making porous. R. G. Olt. 2,273,589; Feb. 17.
Metal bodies, Method of and apparatus for hardening surfaces of. A. B. Kinzel. 2,273,809; Feb. 17.
Metal-turning-lathe attachment. P. W. G. Nielson. 2,273,369; Feb. 17.
Metal vapor lamp, High pressure. H. C. Rentschler. 2,273,450; Feb. 17.
Metallic pigments and preparing same. A. Schroder. 2,273,597; Feb. 17.
Metals, Decorating and resurfacing. A. D. Small. 2,273,665; Feb. 17.
Metals, Electrodeposition of. G. W. Heise and E. A. Schumacher. 2,273,036; Feb. 17.
Meter *See*—
Liquid meter.
Method and apparatus for driving nails. J. L. Hunter and G. M. Criger. 2,273,268; Feb. 17.
Method and apparatus for incorporating fibrous material in rubber. J. W. Kuhn. 2,273,206; Feb. 17.
Method and apparatus for making flexible metal tubing. A. Dreyer. 2,273,027; Feb. 17.
Method and apparatus for producing artificial structures. G. D. Graves. 2,273,188; Feb. 17.
Method and apparatus for sealing vitreous vessels. D. S. Gustin. 2,273,441; Feb. 17.
Method and apparatus for the production of artificial structures. W. W. Heckert. 2,273,105; Feb. 17.
Method and apparatus for treating air. F. H. Hibberd. 2,273,108; Feb. 17.
Method and machine for sealing vitreous vessels. M. E. McGowen and R. A. Rehberg. 2,273,445; Feb. 17.
Method of and apparatus for controlling flow. R. W. Pressey. 2,273,217; Feb. 17.
Microscope, Ultraviolet or electronic. M. Von Ardenne. 2,273,235; Feb. 17.
Milk product, Dried. J. D. Ingle. 2,273,469; Feb. 17.
Mirror and diaphragm release means for reflex cameras. O. Steiner. 2,273,386; Feb. 17.
Mirrors, Preparing. W. F. Bartoe. 2,273,613; Feb. 17.
Mixing apparatus. G. W. Newton and P. R. Powell. 2,273,761; Feb. 17.
Modulator. C. L. Weis, Jr. 2,273,548; Feb. 17.
Mold *See*—
Sand mold.
Molding machine and mold for centrifugal casting of annular bodies. N. W. Webb. 2,273,238; Feb. 17.
Molding machine, Injection. R. W. Dinzl. 2,273,516; Feb. 17.
Molding machine, Plastic injection. I. B. Lawyer. 2,273,713; Feb. 17.
Motion-transmitting mechanism. B. Brassell. 2,273,173; Feb. 17.
Motion transmitting mechanism. W. A. Traut. 2,273,602; Feb. 17.
Motor control system. R. J. Kutzler and L. A. Griffith. 2,273,275; Feb. 17.
Mount for optical devices. J. M. Bing. 2,273,430; Feb. 17.
Mounting *See*—
Box structure gem mounting.
Mouthpiece for brass wind musical instruments, Pitch modifying. D. Calicchio. 2,273,177; Feb. 17.
Mower attachment, Lawn. D. N. Roundy. 2,273,221; Feb. 17.
Musical instrument. S. T. Fisher. 2,273,768; Feb. 17.
Narrowing device for flat knitting machines. G. Richter. 2,273,285; Feb. 17.
Neckband, Shirt. E. B. Sullivan. 2,273,155; Feb. 17.
Needle, Sewing machine. O. J. Rainville. 2,273,592; Feb. 17.
Nitriles, Manufacture of. M. L. A. Fluchaire and S. Iavorsky. 2,273,633; Feb. 17.
Nut cracking machine. L. K. Maulsby. 2,273,759; Feb. 17.
Ohmic resistance for ultra-short waves. R. von Radinger. 2,273,547; Feb. 17.
Oil feeding device for metal working machines, Automatic. F. L. Ellis. 2,273,698; Feb. 17.
Oil gauge. W. K. Youngberg. 2,273,549; Feb. 17.
Oil, Refining mineral. J. W. Poole. 2,273,661; Feb. 17.
Oils, Decolorization of mineral. F. W. Schumacher and R. P. Ferguson. 2,273,147; Feb. 17.
Oils, Refining mineral. W. O. Heilman. 2,273,104; Feb. 17.
Oils, Stabilization of. S. Musher. 2,273,062; Feb. 17.
Oils, Sweetening petroleum. J. Happel, Jr., and D. W. Robertson. 2,273,263; Feb. 17.
Opthalmic device. F. Burchell. 2,273,434; Feb. 17.
Package. J. H. Vineberg. 2,273,302; Feb. 17.
Package with mount, and combination thereof with a dispensing cabinet. F. G. Steiner. 2,273,668; Feb. 17.
Packing. W. E. Sackner. 2,273,332; Feb. 17.
Packaging machine. W. S. Cleaves. 2,273,314; Feb. 17.
Pad *See*—
Shoulder pad.
Paper container. S. Musher. 2,273,063; Feb. 17.
Paper, Decalcomania. L. Davis and E. C. Tuukkanen. 2,273,694; Feb. 17.
Pectinous materials, Treatment of. P. Hirsch. 2,273,521; Feb. 17.
Pectinous material, Treatment of. G. H. Joseph. 2,273,527; Feb. 17.
Pen and feeder, Broad-tipped. R. F. George. 2,273,702; Feb. 17.
Pencil, Light. F. W. Kidder. 2,273,360; Feb. 17.
Pentane, Isomerization of normal. C. O. Tongberg, C. S. Lynch, and J. H. Bartlett. 2,273,159; Feb. 17.
Pest control. N. E. Searle. 2,273,664; Feb. 17.
Petrolatum, Finishing. D. F. Renshaw. 2,273,726; Feb. 17.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,273,181; Feb. 17.
Phenols, Preparing. W. Fitzky and H. Kracker. 2,273,030; Feb. 17.
Photographic emulsion. E. P. Davey and E. B. Knott. 2,273,562; Feb. 17.
Phototube. A. M. Glover. 2,273,637; Feb. 17.
Piano action, Upright. A. N. Prevost. 2,273,789; Feb. 17.
Picture, Multiple subject and multiple color. R. G. Fishel. 2,273,567; Feb. 17.
Piezocrystal device. M. Klein. 2,273,711; Feb. 17.
Piezoelectric crystal mounting. C. F. Baldwin. 2,273,553; Feb. 17.
Pig feeder. T. C. Beatty. 2,273,616; Feb. 17.
Pigments and producing the same, Iron oxide. U. Haberland. 2,273,101; Feb. 17.
Pin for supporting ceramic ware. A. L. Schreiber. 2,273,475; Feb. 17.
Pipe *See*—
Drill pipe.
Pipe bending machine. H. H. Olsen. 2,273,655; Feb. 17.
Pipe hanger. F. F. Hafemeister. 2,273,571; Feb. 17.
Pipe joint. D. A. Stromsoe. 2,273,154; Feb. 17.
Piston packing. L. Harel. 2,273,794; Feb. 17.
Piston ring. W. H. Gille. 2,273,703; Feb. 17.
Piston ring construction, Offset. T. A. Bowers. 2,273,691; Feb. 17.
Platinum alloy. E. M. Wise and R. F. Vines. 2,273,805–6; Feb. 17.
Plug *See*—
Drain plug. Spark plug.
Polishing apparatus for rolls. P. K. Pisarcik. 2,273,590; Feb. 17.
Polymerization process. R. M. Thomas and D. C. Field. 2,273,158; Feb. 17.
Polysulphides and making the same, Amino azyl. P. C. Jones. 2,273,321; Feb. 17.
Polyvinyl chloride solution and making the same. R. F. Wolf. 2,273,682; Feb. 17.
Portfolio, Shipping and display. R. J. Gunder. 2,273,351; Feb. 17.
Posthole digger. G. W. Keene and K. R. Johnson. 2,273,203; Feb. 17.
Power plant. R. E. Lasley. 2,273,406; Feb. 17.
Power transmission circuit, Electric. T. S. Jones. 2,273,709; Feb. 17
Presser device. F. J. Rouan. 2,273,289; Feb. 17.
Pressure and temperature responsive device. B. H. Smith. 2,273,540; Feb. 17.
Pressure control system. F. H. Kindl. 2,273,111; Feb. 17.
Pressure vessels and the like, Making. G. Raymond, M. D. Creech, and R. L. Feagles. 2,273,736; Feb. 17.
Print, Colored. R. G. Fishel. 2,273,568; Feb. 17.
Printer, Contact. G. W. Staley. 2,273,421; Feb. 17.
Printer, Letter and tape. L. A. Thatcher and J. A. Strother. 2,273,300; Feb. 17.
Printing device, Letter and tape. J. A. Strother and E. H. Owen. 2,273,295; Feb. 17.
Printing device, Tape and letter. B. Knauer and E. H. Owen. 2,273,272; Feb. 17.
Printing device, Tape control. J. A. Strother. 2,273,294; Feb. 17.
Printing roll doctor blade reciprocating mechanism. S. B. Stafford and H. A. Smith. 2,273,232; Feb. 17.
Printing process. B. F. Terry. 2,273,740; Feb. 17.
Projector, Color. H. J. Goerg and O. Schlageter. 2,273,316; Feb. 17.
Pump *See*—
Centrifugal pump.
Pump. W. K. Burgess. 2,273,558; Feb. 17.
Pump. R. E. Grey. 2,273,034; Feb. 17.
Pump construction. W. H. Hazard. 2,273,403; Feb. 17.
Pump for oil engines, Fuel measuring and distributing. F. D. Butler. 2,273,019; Feb. 17.
Pump jack. V. E. Baum. 2,273,342; Feb. 17.
Pumping apparatus. R. C. Farley and J. W. Gillespie. 2,273,349; Feb. 17.
Push button switch, Illuminated. O. P. Harris. 2,273,353; Feb. 17.

Rack *See*—
Display rack.
Radio receiver. C. J. Boers. 2,273,617; Feb. 17.
Radiotelephone system. H. J. J. M. de Regnauld de Bellescize. 2,273,023; Feb. 27.
Railroad box car ceiling construction. K. F. Nystrom. 2,273,654; Feb. 17.
Railway car truck, High speed. C. J. Holland and K. Edahl. 2,273,201; Feb. 17.
Railway truck brake. C. F. Frede. 2,273,634; Feb. 17.
Railway truck structure. C. F. Frede. 2,273,635; Feb. 17.
Range finder for photographic purposes. E. S. Hineline. 2,273,355; Feb. 17.
Razor blade, Safety. A. L. Gump. 2,273,261; Feb. 17.
Receiver, Frequency modulated wave. D. E. Foster and J. A. Rankin. 2,273,097; Feb. 17.
Receiver, Frequency modulated wave. C. N. Kimball and G. C. Sziklai. 2,273,110; Feb. 17.
Receiver, Ultra high frequency. D. E. Foster. 2,273,098; Feb. 17.
Receiving system. A. Van Weel. 2,273,546; Feb. 17.
Receptacle *See*—
Door collection receptacle.
Receptacle. C. Burnett. 2,273,559; Feb. 17.
Records, Producing sound. J. J. Hardenberg. 2,273,755; Feb. 17.
Rectifier, Thermionic gaseous discharge. J. D. Le Van. 2,273,054; Feb. 17.
Reel. E. L. Krieg. 2,273,579; Feb. 17.
Refining by selective solvent action. J. W. Poole. 2,273,660; Feb. 17.
Reflector. W. Irby. 2,273,576; Feb. 17.
Refrigerating systems, Charging. G. S. McCloy. 2,273,213; Feb. 17.
Refrigeration. B. C. Shipman. 2,273,226; Feb. 17.
Refrigeration control structure. R. J. Bigelow. 2,273,343; Feb. 17.
Refrigerator. G. Muffly. 2,273,282; Feb. 17.
Register. E. C. Walter. 2,273,237; Feb. 17.
Register actuating means. E. L. Bacon. 2,273,552; Feb. 17.
Remote control apparatus. R. Bennett. 2,273,171; Feb. 17.
Remote control system. C. S. Snavely and A. B. Miller. 2,273,231; Feb. 17.
Remote multiple indicator. W. A. Reichel and M. F. Ketay. 2,273,222; Feb. 17.
Repair plug driving tool. A. Baerenklau and B. Deja. 2,273,169; Feb. 17.
Resin, Alkyl urea-formaldehyde. J. F. Olin. 2,273,788; Feb. 17.
Resins containing rubber. C. A. Redfarn and P. Schidrowitz. 2,273,593; Feb. 17.
Resins for molding, Production of synthetic. A. Renfrew. 2,273,140; Feb. 17.
Resins from biguanide derivatives and formaldehyde, Preparation of synthetic. J. K. Simons. 2,273,382; Feb. 17.
Resins, Stabilization of polyvinyl acetal. J. B. Hale. 2,273,035; Feb. 17.
Rest or support. B. R. Kozloff. 2,273,361; Feb. 17.
Resuscitator for combating asphyxia, Mechanical. H. H. Raymond. 2,273,790; Feb. 17.
Ring *See*—
Piston ring.
Ring expander. F. Hyde. 2,273,358; Feb. 17.
Rip fence for bench saws. J. H. Lonskey and S. O. Rice, Jr. 2,273,715; Feb. 17.
Riveting machine, Underfeed. L. A. Ward. 2,273,454; Feb. 17.
Rod assembly. J. M. Nickelsen. 2,273,415; Feb. 17.
Roll, Electrically heated. H. E. Somes. 2,273,423; Feb. 17.
Roll structure for employing small diameter working rolls in the leveling of sheet and strip material. F. K. Müussnest. 2,273,122; Feb. 17.
Roller support. E. J. Karp. 2,273,528; Feb. 17.
Roof covering, Composition. A. Ritter. 2,273,220; Feb. 17.
Rubber articles, Splicing. J. F. Campbell and J. F. Ringlein. 2,273,464; Feb. 17.
Rubber from furfurol, Manufacturing synthetic. H. M. E. Guinot. 2,273,484; Feb. 17.
Rubber hydrochloride cements, Coloring. J. A. Merrill. 2,273,473; Feb. 17.
Rubber, Reclaiming of. O. Bächle. 2,273,506; Feb. 17.
Rubber threads, Manufacture of multifilament. L. D. Aldrich. 2,273,082; Feb. 17.
Rug weaving frame. J. J. Meyer. 2,273,446; Feb. 17.
Safety control, Automatic. A. Miller. 2,273,058; Feb. 17.
Safety device, Railroad. D. Guerrero. 2,273,705; Feb. 17.
Safety mechanism for firearms. H. J. Kneubuehl. 2,273,204; Feb. 17.
Safety tube. C. H. Zimmerman. 2,273,457; Feb. 17.
Sand mold. W. F. McKee. 2,273,326; Feb. 17.
Sander, Two-speed. E. L. Connell. 2,273,626; Feb. 17.
Sanding device for motor vehicles. P. Meider. 2,273,057; Feb. 17.
Sanding machine. W. L. Ducker, Jr. 2,273,696; Feb. 17.
Scaffold, Window. J. M. Oberti. 2,273,370; Feb. 17.
Scale, Ticket. V. F. Slezak. 2,273,291; Feb. 17.
Scouring device. A. M. Goodloe and A. Cieslelski. 2,273,033; Feb. 17.
Scraper, Dumbbell-joint pressure-line. H. R. Crane. 2,273,347; Feb. 17.
Screen for picture projection. F. Waller. 2,273,074; Feb. 17.
Seal. J. T. Cooper. 2,273,007; Feb. 17.
Seal, Bearing. W. Messinger. 2,273,129; Feb. 17.
Seal for double-walled glass units. O. H. Paddock. 2,273,733; Feb. 17.
Sealing strip. H. M. Dodge. 2,273,182; Feb. 17.
Seat support, Resilient. S. Kris. 2,273,273; Feb. 17.
Securing device for spinning or twisting ring. H. B. Stuart. 2,273,387; Feb. 17.
Selectivity control circuit. J. Haantjes. 2,273,639; Feb. 17.
Semitrailer. W. H. Wilson. 2,273,164; Feb. 17.
Separator *See*—
Adjustable separator.
Separator roller control. F. J. Rouan and A. G. Russell. 2,273,287; Feb. 17.
Sewing machine. G. Sauer and C. C. Smith. 2,273,146; Feb. 17.
Shaving device. E. G. Berg. 2,273,685; Feb. 17.
Shaving device and cutter head therefor. E. J. Te Pas. 2,273,739; Feb. 17.
Shaving device with offset slots. J. O. Jensen and B. F. Connolly. 2,273,524; Feb. 17.
Shears, Electrical. J. Pollak. 2,273,536; Feb. 17.
Sheets in numerical order, Sorting. A. B. Cummins. 2,273,252; Feb. 17.
Sheet metal holder. E. F. Wooster. 2,273,608; Feb. 17.
Sheet stacker. E. F. Boron and R. E. Carter. 2,273,689; Feb. 17.
Shift bar for accordions, Bass. C. Lindeberg. 2,273,362; Feb. 17.
Shock absorbing mechanism, Friction. S. B. Haseltine. 2,273,192; Feb. 17.
Shoe stitcher structure. E. G. Wolf. 2,273,080; Feb. 17.
Shoe structure, Insole, and making same. E. A. Ellis. 2,273,697; Feb. 17.
Shoes, Making. W. W. Prichard. 2,273,374; Feb. 17.
Shoulder pad. D. W. Romaine. 2,273,498; Feb. 17.
Shovel. E. F. Cenis. 2,273,561; Feb. 17.
Sickle guard appliance. E. G. Blackledge. 2,273,014; Feb. 17.
Signal device, Audible. A. L. Bolz, H. A. Bredehoft, and C. F. Wiebusch. 2,273,688; Feb. 17.
Signal pontoon for submarines. B. Rivera. 2,273,497; Feb. 17.
Signature gathering. P. E. Kleineberg. 2,273,049; Feb. 17.
Silver, Recovery of. A. Goette. 2,273,569; Feb. 17.
Sink, Sheet metal. O. T. Webber. 2,273,606; Feb. 17.
Ski harness. J. S. Summerhayes. 2,273,541; Feb. 17.
Slidable-electrode condenser, Adjustable. A. Horowitz and H. Rinia. 2,273,522; Feb. 17.
Slide fastener. N. J. Poux. 2,273,773; Feb. 17.
Slide fasteners, Making. S. Quisling. 2,273,732; Feb. 17.
Slubbing mechanism. G. Partington. 2,273,137; Feb. 17.
Solenoid operated brake. E. L. Miller. 2,273,328; Feb. 17.
Solvent-extraction process and apparatus. M. Bonotto. 2,273,557; Feb. 17.
Sorting device. H. D. Ralston. 2,273,662; Feb. 17.
Sound effects, Producing. G. M. Wright. 2,273,077–8; Feb. 17.
Sound recording and reproducing apparatus. H. A. DeVry and O. R. Nemeth. 2,273,024; Feb. 17.
Spark plug. M. H. Lude. 2,273,651; Feb. 17.
Speed control mechanism for hydraulic presses. J. A. Muller. 2,273,721; Feb. 17.
Speed device, Variable. J. H. Thompson. 2,273,478; Feb 17.
Speed regulating system. E. D. Lilja. 2,273,407; Feb. 17.
Speed regulating system. E. E. Woodward. 2,273,408; Feb. 17.
Splint. W. S. Eaton. 2,273,028; Feb. 17.
Spool. B. C. Johnson. 2,273,525; Feb. 17.
Sprayer. A. F. McFarland. 2,273,125; Feb. 17.
Spring device. L. H. Matthias. 2,273,212; Feb. 17.
Spring unit for mattresses. D. T. Owen. 2,273,064; Feb. 17.
Sprinkler head. F. and G. Ferrando. 2,273,401; Feb. 17.
Stall partition. E. W. Moxham. 2,273,494; Feb. 17.
Stanchion, Two-part mine. H. Toussaint, K. M. Groetschel, and K. T. Jasper. 2,273,389; Feb. 17.
Starting gate, Automatic. C. H. McMillan. 2,273,493; Feb. 17.
Stationery-guide assembly. J. E. Euth and R. H. Colwill. 2,273,565; Feb. 17.
Steam generator. E. V. Upton. 2,273,767; Feb. 17.
Steaming and drying apparatus. E. E. Lichterman. 2,273,119; Feb. 17.
Steel containing bismuth, Stainless. R. S. Peoples and H. A. H. Pray. 2,273,731; Feb. 17.
Sterilizer, Portable. H. E. Plishker. 2,273,449; Feb. 17.
Sterilizing device. J. M. Hothersall. 2,273,037; Feb. 17.
Sterols, Recovering. P. L. Julian and J. W. Cole. 2,273,045–6; Feb. 17.

Strain-relief means for electrical cords. H. W. Heyman. 2,273,487; Feb. 17.
Strand feeding mechanism. R. H. Lawson. 2,273,052; Feb. 17.
Strand handling apparatus. E. C. Moss and J. F. Williams. 2,273,133; Feb. 17.
Stretcher. A. J. M. van Gasselt. 2,273,672; Feb. 17.
Stretcher for articles of clothing. M. H. Holmes. 2,273,489; Feb. 17.
Strip separating mechanism. R. P. Willard. 2,273,162; Feb. 17.
Stroboscope. H. List. 2,273,121; Feb. 17.
Structural unit, Cementitious. W. E. S. Strong. 2,273,775; Feb. 17.
Sugar manufacture, Beet. R. M. Daniels. 2,273,253; Feb. 17.
Sulphamides of the ortho-dicarboxylic acid imides, Producing. K. Koeberle, W. Braun and F. Hanusch. 2,273,444; Feb. 17.
Sulphur absorbent and a method of regenerating. A. Szayna. 2,273,297; Feb. 17.
Superheterodyne receiver. J. Haantjes and B. D. H. Tellegen. 2,273,640; Feb. 17.
Superregenerative limiter. M. G. Crosby. 2,273,090; Feb. 17.
Support *See*—
Adjustable support. Seat support.
Roller support.
Supporting device for pumps. J. W. McConaghy. 2,273,214; Feb. 17.
Surfaces, Uniting. J. E. Snyder. 2,273,452; Feb. 17.
Surgical cast. M. G. Brown. 2,273,792; Feb. 17.
Surgical instrument. S. J. Blumenthal. 2,273,686; Feb. 17.
Swing device, Passenger operated. W. Liebrecht. 2,273,581; Feb. 17.
Switch *See*—
Control switch. Electrical switch.
Disconnecting switch. Magnet switch.
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Switch. T. L. Parker. 2,273,417; Feb. 17.
Switch box having plug-in outlet. N. A. Tornblom. 2,273,729; Feb. 17.
Switch unit for automobile horns. V. Kotliarevsky. 2,273,757; Feb. 17.
Switch with time control mechanism, Electric. W. F. Edwards and J. R. Carlson. 2,273,751; Feb. 17.
System for transmitting indications. W. G. Harding and R. H. Nisbet. 2,273,808; Feb. 17.
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Table. D. Carlson. 2,273,006; Feb. 17.
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Tape feeding and retracting device. F. W. Heyel. 2,273,265; Feb. 17.
Taping machine. R. R. Campbell. 2,273,346; Feb. 17.
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Tariff determining equipment for telephone systems. E. P. G. Wright. 2,273,165; Feb. 17.
Telegraph apparatus, Printing. C. W. Burcky. 2,273,018; Feb. 17.
Telegraph apparatus, Printing. A. H. Reiber. 2,273,067; Feb. 17.
Telegraph apparatus, Printing. R. E. Zenner. 2,273,081; Feb. 17.
Telegraph system, Printing. J. E. Wack. 2,273,236; Feb. 17.
Telegraphic transmitter device. W. G. Rice. 2,273,378; Feb. 17.
Telephone set. D. H. King. 2,273,530; Feb. 17.
Telephone system. S. E. Peterson and I. Geltgey. 2,273,139; Feb. 17.
Television receiver. D. O. Landis. 2,273,801; Feb. 17.
Television signaling system. L. W. Morrison, Jr. 2,273,719; Feb. 17.
Television system. G. L. Beers. 2,273,172; Feb. 17.
Tensiometer control system. G. P. Lessmann. 2,273,714; Feb. 17.
Textile winding core. E. L. Perry. 2,273,373; Feb. 17.
Thermostat. W. A. Ray. 2,273,375; Feb. 17.
Thermostat wafer control for wood stoves. C. C. Prince. 2,273,418; Feb. 17.
Thermostatic unit. J. E. Woods. 2,273,307; Feb. 17.
Thermostatically controlled unit. J. E. Woods. 2,273,306; Feb. 17.
Thread structure. A. L. Lambert. 2,273,208; Feb. 17.
Throttle control, Automatic. C. J. Crane and G. R. Larkin. 2,273,022; Feb. 17.
Tie wire clamp. B. Hillberg. 2,273,198; Feb. 17.
Tire removing tool. G. Van Zale. 2,273,340; Feb. 17.
Tire warning device, Underinflated. W. E. McCulloch. 2,273,413; Feb. 17.
Tires, Making vehicle. P. O. Pfeiffer. 2,273,283; Feb. 17.
Titanium pigment production. J. E. Booge. 2,273,431; Feb. 17.
Tobacco curing apparatus. G. G. Plott and P. A. Weeks. 2,273,284; Feb. 17.
Toilet device. G. Wise. 2,273,607; Feb. 17.
Toilet seat cover package. C. L. Huggins. 2,273,319; Feb. 17.
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Boring tool. Repair plug driving tool.
Cutting tool. Tire removing tool.
Duct-projecting tool. Valve seat refacing tool.
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Toothbrush. J. W. Kuhn. 2,273,207; Feb. 17.
Torque amplifier. P. Specht. 2,273,600; Feb. 17.
Torsion spring suspension for railway trucks. J. Ledwinka. 2,273,053; Feb. 17.
Tractor, Industrial. E. J. Dunham and W. Gunning. 2,273,630; Feb. 17.
Traffic controlling apparatus, Railway. H. A. Thompson and C. W. Tailor. 2,273,477; Feb. 17.
Trailer, Low floor level. K. W. Couse. 2,273,503; Feb. 17.
Transformer, Electrical. D. Aander. 2,273,245; Feb. 17.
Transformer, Split core. C. F. Mitchell. 2,273,534; Feb. 17.
Transmission. J. S. Ross and W. H. Worthington. 2,273,068; Feb. 17.
Transmission line matching. P. S. Carter. 2,273,465; Feb. 17.
Transmitter, Telegraph storage. H. Angel. 2,273,083; Feb. 17.
Trap *See*—
Automatic animal trap.
Trap. T. H. Taylor. 2,273,738; Feb. 17.
Tree trimming device. E. R. Potter. 2,273,329; Feb. 17.
Tripod leg. J. Wirgin. 2,273,791; Feb. 17.
Trolley conveyer. J. A. Meister. 2,273,583; Feb. 17.
Trunk or grille guard for automobiles. G. C. Monckmeier. 2,273,131; Feb. 17.
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Cathode ray tube. Safety tube.
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Tubing fitting, Universal. N. M. Couty. 2,273,395; Feb. 17.
Tubular coupling. E. F. Martinet. 2,273,211; Feb. 17.
Tuning control means, Remote. H. Rehder. 2,273,537; Feb. 17.
Tuning mechanism, Mechanical. J. H. Teaf. 2,273,499; Feb. 17.
Tuning system, Receiver. F. Kreienfeld. 2,273,531; Feb. 17.
Turbine and condenser support, Marine. H. W. Semar. 2,273,225; Feb. 17.
2-mercapto-thiazolines, Preparation of. B. M. Sturgis and J. J. Verbanc. 2,273,424; Feb. 17.
Type mounting structure. G. Houk. 2,273,267; Feb. 17.
Typewriters, Manifolding mechanism for. J. W. Fader. 2,273,255; Feb. 17.
Typewriting machine. W. F. Helmond. 2,273,195; Feb. 17.
Uscharin and uscharidin, The preparation of. G. Hesse. 2,273,196; Feb. 17.
Vacuum tube, Multiple stage. C. S. Andersen. 2,273,003; Feb. 17.
Valve. J. H. Morrow. 2,273,720; Feb. 17.
Valve. J. E. Wall. 2,273,605; Feb. 17.
Valve and air vent, Check. J. D. Langdon. 2,273,118; Feb. 17.
Valve and lubrication therefor, Rotary. G. E. Davison. 2,273,179; Feb. 17.
Valve assembly. J. B. Burks. 2,273,693; Feb. 17.
Valve control. H. E. Koepcke. 2,273,113; Feb. 17.
Valve device. E. E. Westberg. 2,273,679; Feb. 17.
Valve parts or the like, Making. G. Charlton. 2,273,250; Feb. 17.
Valve seat refacing tool. W. Aab. 2,273,683; Feb. 17.
Vehicle control and speed indicating system. N. M. McCullough. 2,273,365; Feb. 17.
Venetian blind cleaning machine. E. A. Chamberlin. 2,273,514; Feb. 17.
Vent device for gasoline containers and the like. M. C. Snyder. 2,273,737; Feb. 17.
Ventilator, Window and wall. O. Kubatzky. 2,273,758; Feb. 17.
Vernier control. H. G. Shakespeare. 2,273,334; Feb. 17.
Vibrant bar and tuning the same. H. J. Schluter. 2,273,333; Feb. 17.
Viewing instrument for stereoscopic pictures and the like. G. D. Caldwell and G. M. Hathorn. 2,273,512; Feb. 17.
Vinylidene chloride compositions, Stabilized. A. W. Hanson and W. C. Goggin. 2,273,262; Feb. 17.
Visual tuning indicator. W. van B. Roberts. 2,273,142; Feb. 17.
Volume control, Automatic. C. O. Nelson. 2,273,760; Feb. 17.
Volume control circuit. C. J. van Loon. 2,273,673; Feb. 17.
Volume control circuit, Audio. W. van B. Roberts. 2,273,143; Feb. 17.
Volume control circuit, Automatic. D. E. Foster. 2,273,096; Feb. 17.
Vulcanizing agent, Organic. P. C. Jones. 2,273,322; Feb. 17.
Wall construction. J. E. George. 2,273,485; Feb. 17.
Wall construction. F. La Grotta. 2,273,276; Feb. 17.
Wall construction, Concrete. F. T. Fenton. 2,273,699; Feb. 17.

Warming up and drying out means for automotive equipment. K. W. Couse. 2,273,502; Feb. 17.
Warp-knitting machine, Straight-type. V. Anderson. 2,273,246; Feb. 17.
Warp letoff motion. E. Kinsella. 2,273,325; Feb. 17.
Washer feeding device. C. J. Irwin. 2,273,782–3; Feb. 17.
Washing machine. R. B. Bukolt. 2,273,749; Feb. 17.
Washing machine. E. Faber. 2,273,566; Feb. 17.
Water bag. P. S. Madsen and A. A. Arnold. 2,273,128; Feb. 17.
Water drain device, Hot. O. Brooks. 2,273,174; Feb. 17.
Wave filter system, Electrical. J. C. Wilson. 2,273,163; Feb. 17.
Water hammer arrester. E. B. H. Tower, Jr. 2,273,766; Feb. 17.
Wave modulation by phase variation, Polarized. G. L. Usselman. 2,273,161; Feb. 17.
Wave transmission and shaping. R. A. Heising. 2,273,193; Feb. 17.
Wax, Deoiling slack. R. K. Stratford. 2,273,153; Feb. 17.
Weather strip. D. C. Bailey. 2,273,684; Feb. 17.
Weighing and dispensing apparatus, Liquid. M. M. de Castro. 2,273,180; Feb. 17.
Weld joints, Cooling. W. A. Bruce. 2,273,086; Feb. 17.
Well surveying method and apparatus. J. Neufeld. 2,273,215; Feb. 17.
Wheel *See*—
Car wheel.
Wheel plates, Making. E. H. Piron. 2,273,620; Feb. 17.
Whip roll. C. D. Brown. 2,273,460; Feb. 17.
Window regulator mechanism. B. S. Floraday. 2,273,632; Feb. 17.
Window sash assembly and weather strip therefor. L. A. Macklanburg. 2,273,279; Feb. 17.
Wire screen cloth. W. L. Fink and W. T. Ennor. 2,273,483; Feb. 17.
Wire stretching and twisting device. G. C. Johnson. 2,273,526; Feb. 17.
Wire stripping implement. H. W. Kiefer. 2,273,048; Feb. 17.
Wood and wood products, Treating. M. S. Hudson. 2,273,039; Feb. 17.
Wringing device, Swab. J. A. Nelson. 2,273,495; Feb. 17.
X-ray apparatus. T. H. Rogers. 2,273,538; Feb. 17.
Yarn abrading apparatus. H. Frey. 2,273,752; Feb. 17.
Yarn handling machine. A. E. Winslow. 2,273,241; Feb. 17.
Yarn, Production of. E. F. Wesp. 2,273,240; Feb. 17.
Yarns, Production of artificial. W. W. Heckert. 2,273,106; Feb. 17.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 17, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparations. Serial Nos. 449,876–8; Feb. 24. Class 6.

Abbotts Dairies, Incorporated, Philadelphia, Pa. Food product consisting of a layer of ice cream between two sugar wafers. Serial No. 449,402; Feb. 24. Class 46.

All-American Comics, Inc., New York, N. Y. Cartoons published in a series. Serial No. 445,078; Feb. 24. Class 38.

American Vapor, Inc., New York, N. Y. Babbitt metal. Serial No. 449,633; Feb. 24. Class 14.

American Viscose Corporation, Wilmington, Del. Conditioning media for yarns, threads, and filaments. Serial Nos. 449,731–2; Feb. 24. Class 6.

Antiseptol Company, Inc., Chicago, Ill. Preparations for use in hair and scalp treatments. Serial No. 440,615; Feb. 24. Class 6.

Augstein, S., & Co., College Point, New York city, N. Y. Sweaters, suits, bathing suits, scarfs, mufflers, etc. Serial No. 449,565; Feb. 24. Class 39.

Bardinet, Ltd., New York, N. Y. Cordials. Serial No. 448,751; Feb. 24. Class 49.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 448,996; Feb. 24. Class 42.

Belt Modes, Inc., New York, N. Y. Ladies' handbags. Serial No. 449,336; Feb. 24. Class 3.

Blumenthal, Henry S., Jackson Heights, L. I., N. Y. Cementitious material for surfacing or coating walls or floors or the like. Serial No. 447,864; Feb. 24. Class 12.

Bohme Fettchemie G. m. b. H., Chemnitz, Germany. Wetting, finishing, dyeing, and bleaching agents in the textile and leather industry. Serial No. 439,855; Feb. 24. Class 6.

Botany Worsted Mills, Passaic, N. J. Neckties. Serial No. 449,313; Feb. 24. Class 39.

Bourjois, Inc., New York, N. Y. Ornamental sacheted lingerie cases or envelopes. Serial No. 449,119; Feb. 24. Class 40.

British Ropes Limited, Doncaster, England. Ropes made from manila, hemp, jute, sisal, cotton, etc. Serial No. 446,384; Feb. 24. Class 7.

Brookhaven Textiles, Inc., New York, N. Y. Piece goods made of cotton, wool, silk, rayon, and/or any combinations thereof. Serial Nos. 448,849–50; Feb. 24. Class 42.

Brookhaven Textiles, Inc., New York, N. Y. Piece goods in the nature of a corduroy fabric. Serial No. 448,851; Feb. 24. Class 42.

Brookhaven Textiles, Inc., New York, N. Y. Piece goods made of cotton, wool, rayon, and/or any combinations thereof. Serial No. 449,000; Feb. 24. Class 42.

Burden, Margaret C., doing business as Mrs. M. Burden and Grandma's Spanish Pepper Co., Berkeley, Calif. Food seasoning containing ground chile peppers, garlic, etc. Serial No. 434,432; Feb. 24. Class 46.

Casco Products Corporation, Bridgeport, Conn. Rotary cutting and carving tools and electrically operated hand held chucks, or drivers therefor. Serial No. 443,971; Feb. 24. Class 23.

Chance, A. B., Company, Centralia, Mo. Marble games. Serial No. 446,828; Feb. 24. Class 22.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Organic amine compound. Serial No. 448,670; Feb. 24. Class 6.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Whisk brooms, clothes brushes, and hair brushes. Serial No. 443,113; Feb. 24. Class 29.

Chess, Mary, Inc., New York, N. Y. Perfume. Serial No. 450,256; Feb. 24. Class 6.

Children's Products Company. (See Hecht, George J.)

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. Serial No. 449,091; Feb. 24. Class 28.

Columbian Rope Company, Auburn, N. Y. Resin-impregnated needled felted vegetable fiber material. Serial No. 448,754; Feb. 24. Class 50.

Consolidated Hat Stores, Ltd., doing business as New York Hat Stores, Los Angeles, Calif. Ladies' and men's sportswear—namely, sport shirts, jackets, coats, and sweaters. Serial No. 446,314; Feb. 24. Class 39.

Cooper, Maxwell, & Co. Limited, London, England. Articles of clothing for women comprising maternity gowns. Serial No. 443,300; Feb. 24. Class 39.

Curtiss Candy Company, The, Chicago, Ill. Candy. Serial No. 448,936; Feb. 24. Class 46.

Dalco Textile Co., Inc., New York, N. Y. Dish cloths and untreated utility cloths. Serial No. 447,199; Feb. 24. Class 42.

Dalkin, A., Co., Chicago, Ill. Vending machines. Serial No. 449,601; Feb. 24. Class 23.

De Kuyper, John, & Son, Inc., New York, N. Y. Liqueur. Serial No. 449,517; Feb. 24. Class 49.

Delaunay, Arthur J., Spring Lake, N. J. Non-alcoholic, maltless beverages and syrups and extracts for making same. Serial No. 449,478; Feb. 24. Class 45.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 448,076; Feb. 24. Class 38.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 448,096; Feb. 24. Class 38.

Driver-Harris Company, Harrison, N. J. Metallic wire and strips for use for parts of radio tubes. Serial No. 449,853; Feb. 24. Class 21.

Duro-Test Corporation, North Bergen, N. J. Incandescent and fluorescent lamps. Serial No. 449,569; Feb. 24. Class 21.

Electro Manufacturing Company, Chicago, Ill. Fluorescent lamps and lighting fixtures and apparatus thereof. Serial No. 449,673; Feb. 24. Class 21.

Federated Foods, Inc., also doing business as Federated Foods, Chicago, Ill. Household bleach. Serial No. 447,802; Feb. 24. Class 6.

First Caramel Malting Corporation, Paterson, N. J. Malt in solid condition. Serial Nos. 449,095–7; Feb. 24. Class 46.

Fitzgerald, John R., doing business as Tripak Machinery Service, Harlingen, Tex. Garment shaping and stretching machines, skirt spreaders and garment measuring and shaper-drier apparatus. Serial No. 427,578; Feb. 24. Class 50.

Foreman Fabrics Corp., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. Serial No. 448,637; Feb. 24. Class 42.

Frigerbar Corporation, The, Kansas City, Mo. Air purifying compound in block form used in food compartments of refrigerators. Serial No. 449,260; Feb. 24. Class 6.

Gaines, Max C., New York, N. Y. Magazine. Serial No. 449,229; Feb. 24. Class 38.

Gamble Stores Incorporated, Minneapolis, Minn. Circulating oil, wood, coal, and gas heaters. Serial No. 448,473; Feb. 24. Class 34.

General Brands Corp., New York, N. Y. General household cleaning and polishing preparation. Serial No. 446,048; Feb. 24. Class 4.

General Grocery Co., Phoenix, Ariz. Canned fruits and vegetables. Serial No. 449,132; Feb. 24. Class 46.

General Motors Corporation, Detroit, Mich. Electrical apparatus—namely, magnet cores, relay cores. Serial No. 445,893; Feb. 24. Class 21.

Godchaux Sugars, Inc., New Orleans, La. Plastic molding compounds in powdered form. Serial No. 448,135; Feb. 24. Class 1.

Grandma's Spanish Pepper Co. (See Burden, Margaret C.)

Haft, Morris W., & Bros., Inc., New York, N. Y. Women's and misses' suits and coats. Serial No. 446,625; Feb. 24. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Blank forms—namely, gift certificates. Serial No. 445,939; Feb. 24. Class 37.

Hecht, George J., doing business as Children's Products Company, New York, N. Y. Children's sweaters and dresses. Serial No. 439,932; Feb. 24. Class 39.

Hecht, George J., New York, N. Y. Strings of beads. Serial No. 445,942; Feb. 24. Class 28.

Hecht, George J., New York, N. Y. Strings of beads. Serial No. 446,570; Feb. 24. Class 28.

Hecht, George J., doing business as Children's Products Company, New York, N. Y. Children's sweaters, dresses, suits, coats, housecoats, blouses, etc. Serial No. 447,236; Feb. 24. Class 39.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet water, face powder, and lipstick. Serial Nos. 449,939–41; Feb. 24. Class 6.

Hirsch, S. H. (See Henery, Sidney.)

Horowitz & Son, Inc., New York, N. Y. Watches. Serial No. 449,520; Feb. 24. Class 27.

Hubbard and Company, Emeryville, Calif. Pole line hardware—namely, upsweep street hood brackets, telephone pole top brackets, etc. Serial No. 432,189; Feb. 24. Class 13.

Irwin, Robert W., Company, Grand Rapids, Mich. Cigar and cigarette boxes, trays. Serial No. 447,513; Feb. 24. Class 8.

Irwin, Robert W., Company, Grand Rapids, Mich. Ready-mixed paints, and varnishes. Serial No. 447,514; Feb. 24. Class 16.

Irwin, Robert W., Company, Grand Rapids, Mich. Electric lamps—namely, floor and table lamps. Serial No. 447,515; Feb. 24. Class 21.

Irwin, Robert W., Company, Grand Rapids, Mich. Ceramic breakfast, luncheon, and dinner dishes. Serial No. 447,516; Feb. 24. Class 30.

Irwin, Robert W., Company, Grand Rapids, Mich. Bedroom furniture. Serial No. 447,517; Feb. 24. Class 32.

Irwin, Robert W., Company, Grand Rapids, Mich. Table, bar, and cooking glassware. Serial No. 447,518; Feb. 24. Class 33.
Irwin, Robert W., Company, Grand Rapids, Mich. Wall pictures, paintings, and prints. Serial No. 447,519; Feb. 24. Class 38.
Irwin, Robert W., Company, Grand Rapids, Mich. Closet accessories. Serial No. 447,521; Feb. 24. Class 50.
Irwin, Robert W., Company, Grand Rapids, Mich. Upholstery, drapery, and curtain fabrics of silk, silk and wool, etc. Serial No. 447,520; Feb. 24. Class 42.
Jayne, D., Dr., & Son, Inc., Philadelphia, Pa. Medicinal preparations comprising vitamins and iron. Serial No. 449,800; Feb. 24. Class 6.
Kimberly-Clark Corporation, Neenah, Wis. Book paper. Serial No. 449,551; Feb. 24. Class 37.
King, Bruce, doing business as Zolar, New York, N. Y. Publications—namely, horoscopes, astrological predictions, etc. Serial No. 445,606; Feb. 24. Class 38.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Wallpaper cleaner, glass cleaner and soap flakes. Serial No. 449,859; Feb. 24. Class 4.
L So & Co. (See Oakland Toggery.)
Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks, rouge, vanity cases containing rouge and/or lipsticks, cologne, etc. Serial No. 450,106; Feb. 24. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 449,617; Feb. 24. Class 6.
Longines-Wittnauer Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 425,798; Feb. 24. Class 27.
Lyons Band Instrument Company, Chicago, Ill. Band and orchestra musical instruments. Serial No. 444,348; Feb. 24. Class 36.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes, cream rouge, eye shadow, rouge, cleansing cream, etc. Serial No. 449,841; Feb. 24. Class 6.
Marathon Paper Mills Company, Rothschild, Wis. Laminated boards made from sheets bonded with lignin resin. Serial No. 448,764; Feb. 24. Class 12.
Marcy Laboratories, Inc., New York, N. Y. Cholagogue evacuant. Serial No. 449,649; Feb. 24. Class 6.
Marshall Field & Company, Chicago, Ill. Lace curtains. Serial No. 445,924; Feb. 24. Class 42.
Marshall Field & Company, Chicago, Ill. Dish towels and toweling in the piece. Serial No. 448,607; Feb. 24. Class 42.
Marshall Field & Company, Chicago, Ill. Sheets and sheeting in the piece, pillow cases, and tubing, blankets of cotton, etc. Serial No. 448,608; Feb. 24. Class 42.
Marshall Field & Company, Chicago, Ill. Dish towels. Serial No. 448,610; Feb. 24. Class 42.
Marshall Field. (See Newspaper PM, Inc., assignor.)
Mastic Asphalt Corporation, South Bend, Ind. Building siding material. Serial No. 440,605; Feb. 24. Class 12.
Mayer, H. J., and Sons Company, Chicago, Ill. Compound or preparation for curing preserved meats. Serial No. 449,911; Feb. 24. Class 6.
Mike, Frances, Newark, N. J. Paste or pomade for treating the scalp and an oily paste. Serial No. 449,622; Feb. 24. Class 6.
Milius, E., & Co., Inc., New York, N. Y. Textile fabrics in the piece of cotton, rayon, acetate, and combinations of. Serial No. 449,052; Feb. 24. Class 42.
Miller, Douglas, Company. (See Spare, Edward A.)
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 448,834; Feb. 24. Class 39.
Muckland Celery Company, Sarasota, Fla. Celery. Serial No. 448,918; Feb. 24. Class 46.
Myers, Philip B., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco. Serial No. 449,623; Feb. 24. Class 17.
National Fruit Preserves, Inc., Jacksonville, Fla. Fruit products. Serial No. 439,236; Feb. 24. Class 46.
Newspaper PM, Inc., The, Brooklyn, assignor to Marshall Field, Lloyds Neck, N. Y. Daily newspaper. Serial No. 448,576; Feb. 24. Class 38.
Newton Line Company, Inc., Homer, N. Y. Fish lines. Serial No. 445,240; Feb. 24. Class 22.
New York Hat Stores. (See Consolidated Hat Stores, Ltd.)
Nissen, John P., Jr., doing business as John P. Nissen, Jr., Co., Wyncote, Pa. Textile printing colors—i. e., ink. Serial No. 433,982; Feb. 24. Class 11.
Oakland Toggery, The, doing business as L So & Co., Oakland, Calif. Hosiery. Serial No. 449,625; Feb. 24. Class 39.
Olsen, Tinius, Testing Machine Co., Philadelphia, Pa. Impact testers. Serial No. 449,219; Feb. 24. Class 26.
Ondolea Company. (See Stein, Herman.)
Ortho Products Inc., Linden, N. J. Applicators. Serial No. 450,111; Feb. 24. Class 44.
Oxford Products, Inc., Cleveland, Ohio. Vitamin preparations. Serial No. 448,331; Feb. 24. Class 6.
Pacific Coast Codfish Company. (See Shields, J. E.)
Packers Tar Soap, Inc., Mystic, Conn., and New York, N. Y. Shampooing preparation. Serial Nos. 449,210–11; Feb. 24. Class 6.
Palatine Dyeing Company, Inc., St. Johnsville, N. Y. Piece goods of cotton, rayon, and so on. Serial No. 448,086; Feb. 24. Class 42.
Pangburn Company, Inc., Fort Worth, Tex. Candy. Serial No. 449,696; Feb. 24. Class 46.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Young men's and boys' clothing—namely, hats, shoes, belts, suspenders, etc. Serial No. 448,837; Feb. 24. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton, rayon, and/or woolen piece goods, mattress protectors and covers, bedspreads, sheets, etc. Serial No. 448,838; Feb. 24. Class 42.
Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. Serial No. 448,985; Feb. 24. Class 49.
Phillips Ribbon & Carbon Agency, Inc., Chicago, Ill. Combination carbon and second sheets. Serial No. 449,779; Feb. 24. Class 37.
Pine Coco Products Incorporated, Des Moines, Iowa. Shampoos, rinses, and hair oils. Serial No. 449,553; Feb. 24. Class 6.
Pirrone, F., & Sons, Garfield, N. J. Wines. Serial No. 450,022; Feb. 24. Class 47.
Ponemah Mills, Taftville, Conn. Rayon and mixtures of rayon and cotton piece goods. Serial No. 448,650; Feb. 24. Class 42.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Cough and bronchial syrup. Serial No. 449,017; Feb. 24. Class 6.
Provost, Girdner, doing business as Girdner Provost Co., New York, N. Y. Dolls and pre-formed parts to be assembled into finished dolls. Serial No. 446,335; Feb. 24. Class 22.
RCA Manufacturing Company, Inc., Camden, N. J. Electrically operated laundry washing machines and ironers, parts thereof, etc. Serial No. 449,806; Feb. 24. Class 24.
Radley, Mamie, doing business as Mrs. J. W. Radley, Houston, Tex. Preparation to help prevent and for use in the treatment of coccidiosis in chicks. Serial No. 448,873; Feb. 24. Class 6.
Rand McNally & Company, Chicago, Ill. Blank forms—namely, account cards. Serial No. 445,900; Feb. 24. Class 37.
Reading Batteries Inc., Temple, Pa. Storage batteries. Serial No. 441,923; Feb. 24. Class 21.
Red Top Brewing Company, Cincinnati, Ohio. Malt beverages. Serial No. 449,530; Feb. 24. Class 48.
Reynolds Metals Company, Richmond, Va. Plaster reinforcement and plaster base. Serial No. 448,738; Feb. 24. Class 12.
Riesser, Frank J., Ft. Thomas, Ky. Ointment for rectal irritations. Serial No. 449,329; Feb. 24. Class 6.
Robertson, H. H., Company, Pittsburgh, Pa. Cellular steel beam units for building purposes. Serial No. 447,031; Feb. 24. Class 12.
Rolex, Montres, S. A. (Rolex Uhren A. G.) (Rolex Watch Co. Ltd.), Geneva, Switzerland. Watches and parts thereof. Serial No. 440,945; Feb. 24. Class 27.
Rotary Lift Company, Memphis, Tenn. Non-electric freight and passenger elevators and automobile, bus, truck, and freight lifts. Serial No. 445,068; Feb. 24. Class 23.
Safety Legion of America, The, Berne, Ind. Magazines and circulars. Serial No. 445,750; Feb. 24. Class 38.
Schratz, Inc., Detroit, Mich. Bath crystals and oils, water softening preparations, and perfumes. Serial No. 448,874; Feb. 24. Class 6.
Scientific Oil Compounding Co., The, Chicago, Ill. Compound or composition of bodied oiticica oil. Serial No. 445,782; Feb. 24. Class 16.
Sequoia Citrus Association, Lemon Grove, Calif. Fresh citrus fruits. Serial No. 449,240; Feb. 24. Class 46.
Sherman Bros. Rainwear Corp., New York, N. Y. Women's and children's wearing apparel—namely, coats, suits, dresses, etc. Serial No. 443,346; Feb. 24. Class 39.
Shields, J. E., doing business as Pacific Coast Codfish Company, Seattle, Wash. Codfish in cans and bulk. Serial No. 449,298; Feb. 24. Class 46.
Smith, A. O., Corporation, Milwaukee, Wis. Electric and gas water heaters. Serial Nos. 449,784–5; Feb. 24. Class 34.
Smith, Kline & French Laboratories, Philadelphia, Pa. General tonic. Serial No. 449,786; Feb. 24. Class 6.
Smith & Nelson, Inc., Tonasket, Wash. Fresh apples. Serial No. 447,256; Feb. 24. Class 46.
Spare, Edward A., doing business as Douglas Miller Company, Camden, N. J. Tablet for headaches. Serial No. 448,532; Feb. 24. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Anti-venereal preparations. Serial No. 449,925; Feb. 24. Class 6.
Standard Brands Incorporated, New York, N. Y. Food flavoring composition containing vegetable extracts and vegetable protein derivative material. Serial No. 450,187; Feb. 24. Class 46.
Stein, Herman, doing business as The Ondolea Company, New York, N. Y. Hair waving and fixing solutions and shampoos. Serial No. 449,243; Feb. 24. Class 6.
Strong Cobb & Co., Inc., Cleveland, Ohio. Vitamin preparations. Serial No. 448,534; Feb. 24. Class 6.
Taylor, W. A., & Co., Inc., New York, N. Y. Wines. Serial No. 448,808; Feb. 24. Class 47.

Ton Tex Corporation, Grand Rapids, Mich. Cross sectionally V-shaped, flat and round transmission, elevating, and conveying belting. Serial No. 449,306; Feb. 24. Class 35.
Tripak Machinery Service. (See Fitzgerald, John R.)
Turnipseed, L., Inc., St. Louis, Mo. Liniment. Serial No. 447,962; Feb. 24. Class 6.
Victor Adding Machine Co., Chicago, Ill. Adding and calculating machines. Serial No. 447,853; Feb. 24. Class 26.
Waters, Norman D., & Associates, Inc., New York, N. Y. Sweaters. Serial No. 447,261; Feb. 24. Class 39.
Western Auto Supply Company, Los Angeles, Calif. Mattresses. Serial No. 448,745; Feb. 24. Class 32.
Western Auto Supply Company, Los Angeles, Calif. Mufflers for internal combustion engines. Serial No. 449,029; Feb. 24. Class 23.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric regulators for regulating the excitation of dynamoelectric machines. Serial No. 448,213; Feb. 24. Class 21.
Williams, R. C., & Company, Inc., New York, N. Y. Canned fruits and vegetables, crushed fruit, diced peels, etc. Serial No. 437,746; Feb. 24. Class 46.
Worthy-Miss Dresses, Inc., New York, N. Y. Dresses. Serial No. 446,714; Feb. 24. Class 39.
Zolar. (See King, Bruce.)

LIST OF REGISTRANTS OF TRADE-MARKS

American Chemical Paint Company, Philadelphia, to American Chemical Paint Company, Ambler, Pa. Barrels with sheet-rubber linings. 153,393; renewed Mar. 21, 1942.
American Optical Company. (See De Zeng, Henry L., assignor.)
American Silk Hosiery Mill, Indianapolis, Ind. Hosiery. 393,714; Feb. 24. Class 39.
American Writing Paper Company, assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Papers, writing and printing, and mailing envelopes. 153,961; renewed Apr. 4, 1942.
Anchor Products Co., Minneapolis, Minn. Rat and mouse bait. 393,694; Feb. 24; Serial No. 448,275; published Dec. 16, 1941. Class 6.
Anderson, Andrew, Encampment, Wyo. Articles of ranch wear:—outer shirts, jackets, jumpers, coats, outer skirts, vests, etc. 393,663; Feb. 24; Serial No. 446,904; published Dec. 9, 1941. Class 39.
Anthony Laboratories, Cliffwood, N. J. Vitamin preparation. 393,639; Feb. 24; Serial No. 441,937; published Dec. 16, 1941. Class 6.
Arden, Elisabeth, Sales Corporation, New York, N. Y. Soaps. 393,688; Feb. 24; Serial No. 447,836; published Dec. 16, 1941. Class 4.
Atlantic Refining Company, Philadelphia, Pa., The. Road and roofing oils and petroleum asphalts and pitches. 152,344; renewed Feb. 28, 1942.
Atlantic Refining Company, The, Philadelphia, Pa. Medicinal oils derived from petroleum, etc. 153,652; renewed Mar. 28, 1942.
Automatic Gas-Loc Mfg. Co. (See Greenberg, Samuel.)
Bally Inc., New York, N. Y. Ladies' and misses' shoes and slippers. 393,710; Feb. 24. Class 39.
Barz, Herman, New York, N. Y. Leather sweatbands for hats and caps. 393,649; Feb. 24; Serial No. 445,873; published Dec. 2, 1941. Class 39.
Bassick Company, The, Bridgeport, Conn. Hardware. 154,226; renewed Apr. 11, 1942.
Bates, Hamilton C., Chester, Conn. Crochet hooks for hand use. 393,650; Feb. 24; Serial No. 445,874; published Dec. 16, 1941. Class 40.
Beccard, Emil B., St. Louis, Mo., assignor to Interchemical Corporation, New York, N. Y., successor. Printers'-ink varnish. 151,427; renewed Feb. 7, 1942.
Belding, Heminway, Company, New York, N. Y. Thread or nylon and other synthetic fibers. 393,670; Feb. 24; Serial No. 447,265; published Dec. 16, 1941. Class 43.
Berkowitz, Michael, Company, Inc., New York, N. Y. Ladies' pajamas, blouses, nightgowns, and pajamas. 393,652; Feb. 24; Serial No. 445,974; published Dec. 16, 1941. Class 39.
Blondeau et Cie., New York, N. Y., assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Cosmetics, salve, and ointments. 21,085; renewed May 10, 1942.
Bon Ami Company, The. (See Robertson, J. T., Soap Company, The, assignor.)
Borden Company, The. (See Hendler Creamery Company, The, assignor.)
Borgsmiller, Henry, & Sons, Murphysboro, Ill. Canned vegetables; canned fruits; packaged dried fruits; etc. 393,701; Feb. 24. Class 46.
Bourjois, A., & Co. Inc., assignor to Bourjois, Inc., New York, N. Y. Toilet powders and compacts. 155,624; renewed June 6, 1942.
Brennan, Eunice E., St. Louis, Mo. Ladies' and misses' dresses and jackets, blouses, etc. 393,667; Feb. 24; Serial No. 447,057; published Dec. 16, 1941. Class 39.
California Packing Corporation, San Francisco, Calif. Dried fruits, raisins, and seedless raisins. 152,701; renewed Mar. 7, 1942.
California Packing Corporation, San Francisco, Calif. Grape, pineapple, and loganberry juice. 154,893; renewed May 16, 1942.
Cape Ann Laboratories. (See Odeneal, Thomas H.)
Carnegie Steel Company, by change of name and merger to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Rolled-metal rails, bars, plates, and other rolled-metal shapes. 156,200; renewed June 20, 1942.
Carson Pirie Scott & Company, Chicago, Ill. Edging—namely, rick rack braid, ruching, and cording for curtains, draperies, etc. 393,633; Feb. 24; Serial No. 437,892; published Dec. 9, 1941. Class 40.
Carter, John, & Company. (See Stone & Andrew Inc., assignor.)
Cary & Company, Inc., Binghamton, N. Y. Men's, youths', and children's suits, one-piece overall suits, overalls, dungarees, jackets, etc. 393,681; Feb. 24; Serial No. 447,656; published Dec. 16, 1941. Class 39.
Cohn, H. C., & Co., assignor to Superba Cravats, Rochester, N. Y., a copartnership consisting of H. C. Cohn, H. M. Cohn, J. Wiley, Sr., H. Shrier, H. S. Cohn, I. Lerner, J. Wiley, Jr., F. P. Mulhauser, and H. W. Lewine. Neckties. 393,626; Feb. 24; Serial No. 416,028; published Dec. 9, 1941. Class 39.
Columbia Rope Company, Auburn, N. Y. Rope, twine, and cordage, etc. 153,142; renewed Mar. 14, 1942.
Comar Company, Washington, D. C. Women's, misses', and children's dresses. 393,682; Feb. 24; Serial No. 447,657; published Dec. 16, 1941. Class 39.
Commercial Furniture Company, Chicago, Ill. Desks. 150,310; renewed Jan. 3, 1942.
Commercial Solvents Corporation, New York, N. Y. Chemicals. 154,252; renewed Apr. 11, 1942.
Coniger, David D., & Co. Inc., New York, N. Y. Caps for men. 156,231; renewed June 20, 1942.
Conklin Pen Manufacturing Co., The, Toledo, Ohio, assignor to Conklin Pen Company, Chicago, Ill. Fountain-pens. 147,763; renewed Nov. 1, 1941.
Coors, Adolph, B. & M. Company, The, by change of name to Adolph Coors Company, Golden, Colo. Malted milk, malt sirup, etc. 154,521; renewed Apr. 18, 1942.
Coors, Adolph, B. & M. Company, The, by change of name to Adolph Coors Company, Golden, Colo. Non-alcoholic, malt, cereal beverages. 156,155; renewed June 20, 1942.
Copper Queen, Inc., Atlanta, Ga. Work shirts, outer shirts, leather and wool jackets, sweaters, leather shoes and boots, etc. 393,630; Feb. 24; Serial No. 434,740; published Dec. 9, 1941. Class 39.
Courtney, Inc., New York, N. Y. Dresses. 393,705; Feb. 24. Class 39.
Crepe De Chine Incorporated, Wilkes-Barre, Pa. Yarn. 393,672; Feb. 24; Serial No. 447,323; published Dec. 16, 1941. Class 43.
Cutter Electrical and Manufacturing Company, The, to I-T-E Circuit Breaker Company, Philadelphia, Pa., assignee, by mesne assignments. Electric switches and certain named circuit breakers. 150,785; renewed Jan. 10, 1942.
David Crystal Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 393,659; Feb. 24; Serial No. 446,567; published Dec. 16, 1941. Class 39.
De Jong, Jacob, Inc., New York, N. Y. Artificial flowers for personal wear—namely, boutonnieres. 393,662; Feb. 24; Serial No. 446,774; published Dec. 9, 1941. Class 40.
Desmond's, Los Angeles, Calif. Shirts and blouses. 393,716; Feb. 24. Class 39.
Devoe Manufacturing Company, The, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refined oil. 20,770; re-renewed Feb. 23, 1942.
De Zeng, Henry L., Camden, N. J., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Eye-testing instruments for testing the refractive media and motor muscles of the eye. 150,787; renewed Jan. 10, 1942.
Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, and brassières. 393,636; Feb. 24; Serial No. 440,855; published Dec. 2, 1941. Class 39.
Economy Food Products Company, Cambridge, assignor to Economy Food Products Company, Boston, Mass. Dried egg, meringue powder, etc. 156,660; renewed July 11, 1942.
Faris Brothers, New York, N. Y. Lingerie—namely, housecoats, bed jackets, nightgowns, etc. 393,711; Feb. 24. Class 39.
Feist, Arnold A., V. M. D., St. Paul, Minn. Antiseptic. 393,693; Feb. 24; Serial No. 448,221; published Dec. 16, 1941. Class 6.
Fischel Paper Co., Inc., Albany, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Bond, ledger, book, etc. 153,442; renewed Mar. 21, 1942.
Fletcher Oil Company, Boise, Idaho. All petroleum products—namely, lubricating oils, lubricating greases, and gasoline. 152,773; renewed Mar. 7, 1942.

Fownes Brothers & Company, Inc., New York, N. Y. Gloves. 393,661; Feb. 24; Serial No. 446,624; published Dec. 2, 1941. Class 39.
Fox River Valley Knitting Co., Appleton, Wis. Socks for men and children. 150,372; renewed Jan. 3, 1942.
Fox River Valley Knitting Co., Appleton, Wis. Socks for men and children. 154,548; renewed Apr. 18, 1942.
Franco-American Chemical Company, Limited, Boston, Mass. Laxative tablets. 393,692; Feb. 24; Serial No. 448,191; published Dec. 16, 1941. Class 6.
Fromm Bros., Inc., Hamburg, Wis. Ladies' garments made of fur—namely, coats, jackets, caps, and scarfs; and ladies' garments of cloth trimmed with fur—namely, coats, etc. 393,647; Feb. 24; Serial No. 444,866; published Dec. 9, 1941. Class 39.
Gabriel, Samuel, Sons & Company, New York, N. Y. Children's drawing books. 156,255; renewed June 20, 1942.
Gaby, Inc., Philadelphia, Pa. Cosmetics and toilet preparations—namely, suntan lotion, hand lotion, cleansing cream, etc. 393,664; Feb. 24; Serial No. 446,915; published Dec. 16, 1941. Class 6.
Gaw-O'Hara Envelope Co. (See Letalog Mailer Co.)
General Electric Company, Schenectady, N. Y. Asbestos insulated electric wires. 151,487; renewed Feb. 7, 1942.
General Electric Company, Schenectady, N. Y. Electric-light fixtures. 151,488; renewed Feb. 7, 1942.
General Electric Company. (See Simplex Electric Heating Co., assignor.)
Goheen Corporation. (See Vit a-Var Corporation, assignor.)
Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, assignor to Vita-Var Corporation, Newark, N. J. Paint for structural steel. 152,793; renewed Mar. 7, 1942.
Gold Recovery & Refining Corporation, New York, N. Y. Precious-metal ware, sterling silver hollow ware. 393,713; Feb. 24. Class 28.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Household and electricians' gloves made of rubber. 393,669; Feb. 24; Serial No. 447,207; published Dec. 9, 1941. Class 39.
Graham Paper Company, St. Louis, Mo. Paper, tissue toilet. 153,731; renewed Mar. 28, 1942.
Graham Paper Company, St. Louis, Mo. Paper, Wrapping. 156,268; renewed June 20, 1942.
Greenberg, Samuel, doing business as Automatic Gas-Loc Mfg. Co., Chicago, Ill. Gas tank locks. 393,706; Feb. 24. Class 25.
Griscom-Russell Company, The, New York, N. Y. Heaters, oil, oil and gas water heaters, and heat exchangers. 154,038; renewed Apr. 4, 1942.
Griscom-Russell Company, The, New York, N. Y. Air and gas compressors, vapor condensers, and liquid evaporators. 155,972; renewed June 13, 1942.
Griscom-Russell Company, The, New York, N. Y. Pressure regulators, strainers, etc. 156,283; renewed June 20, 1942.
Harris, A. W., Oil Company, Providence, R. I., to A. W. Harris Oil Company, Phillipsdale, R. I. Oils and greases, lubricating. 154,962; renewed May 16, 1942.
Hat Corporation of America, Norwalk, Conn. Hats. 393,635; Feb. 24; Serial No. 440,813; published Dec. 2, 1941. Class 39.
Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Gloves. 393,642; Feb. 24; Serial No. 443,505; published Dec. 2, 1941. Class 39.
Heller, Morris, New York, N. Y., assignor to Morris Heller, doing business as Venice Importing Co., Brooklyn, N. Y. Salad oil-viz., cottonseed oil flavored with olive oil. 155,705–6; renewed June 6, 1942.
Hendler Creamery Company, The, Baltimore, Md., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Ice cream. 156,686–87; renewed July 11, 1942.
Higbee Company, The, Cleveland, Ohio. Ladies' hosiery. 393,631; Feb. 24; Serial No. 436,214; published Dec. 16, 1941. Class 39.
Hohl, Percy, Preston, Idaho, to Percy Hohl, Everett, Wash. A salve for certain named purposes. 150,402; renewed Jan. 3, 1942.
Horton, G. F., doing business as Horton & Horton, Houston, Tex. Construction material. 153,204; renewed Mar. 14, 1942.
Hunt, Philip A., Company, Brooklyn, N. Y. Chemicals for developing line and half-tone negatives. 393,634; Feb. 24; Serial No. 439,933; published Mar. 18, 1941. Class 6.
Interchemical Corporation. (See Beccard, Emil B., assignor.)
International Paper Company. (See Fischel Paper Co., Inc., assignor.)
International Shoe Co. (See Peters Shoe Company, assignor.)
I-T-E Circuit Breaker Company. (See Cutter Electrical and Manufacturing Company, The.)
Jeri, Andrew, Brooklyn, assignor to Andrew Jeri Company, Inc., New York, N. Y. Liquid composition to be used in art, photographic, and similar work. 393,640; Feb. 24; Serial No. 442,173; published Dec. 16, 1941. Class 6.
Justin, H. J., & Sons, Inc., Fort Worth, Tex. Leather shoes and boots. 393,715; Feb. 24. Class 39.
Kane, Thomas B., Philadelphia, Pa. Nonalcoholic, maltless beverages sold as soft drinks and sirups for making the same. 150,861; renewed Jan. 10, 1942.
Kayser, Julius, & Co., New York, N. Y. Hosiery, gloves, slips, etc. 393,643; Feb. 24, 1942; Serial No. 443,722; published Dec. 2, 1941. Class 39.
Kistler Leather Co., Boston, Mass. Leather soles for shoes. 393,673; Feb. 24; Serial No. 447,336; published Dec. 9, 1941. Class 39.
Kleinert, I. B., Rubber Company, New York, N. Y. Waist band devices made of rubber. 393,704; Feb. 24. Class 40.
Koehring Company, Milwaukee, Wis. Concrete mixers, concrete-distributing machines, loading skips, etc. 152,447; renewed Feb. 28, 1942.
Laros Textile Company, Bethlehem, Pa. Ladies' slips. 393,703; Feb. 24. Class 39.
Lee, Harry C., & Company, Inc., New York, N. Y. Tennis baskets. 154,993; renewed May 16, 1942.
Letalog Mailer Co., to Gaw-O'Hara Envelope Co., Chicago, Ill., successor. Envelopes and mailing containers. 150,878; renewed Jan. 10, 1942.
Lever Brothers Company. (See Blondeau et Cie., assignor.)
Luden, William H., assignor, by mesne assignments, to Luden's, Inc., Reading, Pa. Candies and chocolates. 154,616; renewed Apr. 18, 1942.
Luxuray, Inc., New York, N. Y. Ladies' and misses' slips, petticoats, bloomers, undershirts, step-ins, etc. 393,646; Feb. 24; Serial No. 444,460; published Dec. 16, 1941. Class 39.
Maggi, The, Co., Kempttal, Zurich, Switzerland, assignor to The Maggi Co., New York, N. Y. Seasonings for improving soups, sauces, gravies, and other dishes; soups, consommé, bouillion, sauces, and gravies. 151,860; renewed Feb. 14, 1942.
Maine Manufacturing Company, The. (See Stevens, Isaac Frank, assignor.)
Mallinson H. R. & Co. Inc., assignor to Mallinson Fabric Corporation, New York, N. Y. Silk piece goods. 152,455; renewed Feb. 28.
Mallinson H. R. & Co. Inc., assignor to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 150,462; renewed Jan. 3, 1942.
Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 393,712; Feb. 24. Class 39.
Marshall Field & Company, Chicago, Ill. Women's hats. 393,684; Feb. 24; Serial No. 447,727; published Dec. 16, 1941. Class 39.
Marshall Field & Company, Chicago, Ill. Women's hosiery. 393,685; Feb. 24; Serial No. 447,732; published Dec. 16, 1941. Class 39.
Marshall Field & Company, Chicago, Ill. Tobacco pipes. 393,718; Feb. 24. Class 8.
Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof, etc. 156,704; renewed July 11, 1942.
Maul, Alfred R., Minneapolis, Minn. Certain named blanks and blank books. 150,898; renewed Jan. 10, 1942.
Metrie, Joseph, Milwaukee, Wis. Soap. 393,651; Feb. 24; Serial No. 445,898; published Dec. 16, 1941. Class 4.
Mexusa-Holanda Corporation, New York, N. Y. Shoehorns. 393,653; Feb. 24; Serial No. 446,002; published Dec. 2, 1941. Class 40.
Michigan Artcraft Company, Sparta, Mich. Drop leaf tables, extension drop leaf tables, and cabinet drop leaf tables. 393,700; Feb. 24. Class 32.
Milroe Dress, Inc., New York, N. Y. Dresses, skirts, coats, jackets, blouses, and suits. 393,717; Feb. 24. Class 39.
Mine Safety Appliances Company, Pittsburgh, Pa. Headbands which may be used separately or in conjunction with a cap or hat. 393,632; Feb. 24; Serial No. 436,356; published Dec. 9, 1941. Class 39.
Missouri Shoe Company, St. Louis, Mo. Shoes. 393,674; Feb. 24; Serial No. 447,400; published Dec. 2, 1941. Class 39.
Monarch Leather Company, Chicago, Ill. Leather. 151,194; renewed Jan. 24, 1942.
Mon Ray Chemical Company. (See Summey, Kate T.)
Moore, E. R., Company, Chicago, Ill. Gymnasium suits, play suits for women and girls, choir gowns, academic graduation caps and gowns, etc. 393,638; Feb. 24; Serial No. 441,587; published Dec. 16, 1941. Class 39.
Morrison, T. O. (See Star Milling Company.)
National Aniline & Chemical Company, Inc. (See Allied Chemical & Dye Corporation.)
National Aniline & Chemical Company, Inc., by merger, to Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 151,553; renewed Feb. 7, 1942.
National Aniline & Chemical Company, Inc., by merger, to Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 151,556–8; renewed Feb. 7, 1942.
National Aniline & Chemical Company, Inc., by merger, to Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar dyestuffs. 153,804; renewed Mar. 28, 1942.
New England Glass Works, Providence, R. I. Imitation pearls. 156,720; renewed July 11, 1942.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn, and New York, N. Y., assignor to Standard Milling Company, New York, N. Y. Wheat flour. 153,811; renewed Mar. 28, 1942.
Nott-Atwater Company, assignor to Nott-Atwater Company, Spokane, Wash. Steam-pipe coverings and insulations, including asbestos, etc. 156,031; renewed June 13, 1942.
Nu-way Strech Suspender Co., to Nu-way Strech Suspender Company, Adrian, Mich. Men's suspenders and hose-supporters. 149,190; renewed Dec. 6, 1941.
Nyal Company, Detroit, Mich. Intestinal astringent. 393,697; Feb. 24; Serial No. 448,369; published Dec. 16, 1941. Class 6.
Odeneal, Thomas H., doing business as Cape Ann Laboratory, Gloucester, Mass. Compounds for cleaning teeth. 393,668; Feb. 24; Serial No. 447,106; published Dec. 16, 1941. Class 6.
O'Donnell Shoe Company, St. Paul, Minn., and Humboldt, Tenn. Shoes. 393,655; Feb. 24; Serial No. 446,141; published Dec. 2, 1941. Class 39.
Ohio Overcoat Company, The, Galion, Ohio. Men's topcoats and overcoats. 393,689; Feb. 24; Serial No. 447,887; published Dec. 16, 1941. Class 39.
Par Beverage Corporation. (See Vanti Pa-Pi-A Corporation.)
Paris Neckwear Co., Inc., The, New York, N. Y. Men's and boys' neckties. 393,686; Feb. 24; Serial No. 447,783; published Dec. 16, 1941. Class 39.
Penberthy Injector Company, Detroit, Mich. Centrifugal pumps, hydraulic pumps, atomizers for vapor conduits, etc. 155,506; renewed May 30, 1942.
Penmans Limited, Paris, Ontario, Canada. Men's, ladies', and children's knitted underwear, hosiery, sweater and jersey coats. 148,914; renewed Nov. 9, 1941.
Peters Shoe Company, assignor, by mesne assignments, to International Shoe Co., St. Louis, Mo. Boots and shoes. 20,737; re-renewed Feb. 16, 1942.
Phelan-Faust Paint Manufacturing Company, assignor to Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Paint, washable oil. 154,364; renewed Apr. 11, 1942.
Pierce, Boyd J., doing business as Pierce Products Co., High Point, N. C. Preparation used to relieve skin itch and athlete's foot. 393,644; Feb. 24; Serial No. 444,013; published Dec. 16, 1941. Class 6.
Piggly Wiggly Corporation, Atlanta, Ga. Coffee. 393,699; Feb. 24. Class 46.
Poor's Publishing Company, assignor to Poor's Publishing Company, New York, N. Y. Certain named publications. 133,490; renewed July 27, 1940.
Procter and Gamble Company, The, to The Procter & Gamble Company, Cincinnati, Ohio. Cooking fats. 156,736; renewed July 11, 1942.
Queen Ann Undies, Inc., New York, N. Y. Ladies' apparel—namely, slips, nightgowns, pajamas, etc. 393,637; Feb. 24; Serial No. 441,411; published Dec. 2, 1941. Class 39.
Reliance Manufacturing Company, to Reliance Manufacturing Company, Chicago, Ill. Shirts, work. 154,668; renewed Apr. 18, 1942.
Republic Box Co. assignor to Republic Box Company, Chicago, Ill. Bottle boxes, wood and metal combined; bottle boxes, wooden; packing boxes, wooden. 151,357; renewed Jan. 31, 1942.
Republic Steel Corporation. (See Taylor, N. & G. Co., assignor.)
Revere Rubber Company, Boston, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Rubber belting, hose and packing. 20,848; re-renewed Mar. 15, 1942.
Robertson, J. T., Soap Company, The, Manchester, Conn., assignor, by mesne assignments, to The Bon Ami Company, New York, N. Y. Soap and other cleaning and detergent preparations. 21,525; re-renewed July 5, 1942.
Robinson, Joseph, New York, N. Y. Diapers made of textile fabric. 393,658; Feb. 24; Serial No. 446,336; published Dec. 2, 1941. Class 39.
Roth, Otto, & Co., Inc., New York, N. Y. Cheese. 393,707; Feb. 24. Class 46.
Rutland Fire Clay Co., Rutland, Vt. Water-glass egg preserver. 155,813; renewed June 6, 1942.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 393,690; Feb. 24; Serial No. 448,013; published Dec. 16, 1941. Class 48.
Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 393,665; Feb. 24; Serial No. 447,032; published Dec. 9, 1941. Class 40.
Service Engraving Works, New York, N. Y. Metal printing type. 393,709; Feb. 24. Class 14.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Bronchial medicaments and expectorants and cough syrups. 393,691; Feb. 24; Serial No. 448,061; published Dec. 16, 1941. Class 6.
Shoten, Osaki, Ltd., Honolulu, Hawaii. Preparation to beautify the hair by dyeing it. 393,641; Feb. 24; Serial No. 443,090; published Dec. 16, 1941. Class 6.
Silverman, Theodore, New York, N. Y. Men's and women's, and children's hosiery, bath robes, etc., men's and women's underwear, and women's slips and brassières. 393,660; Feb. 24; Serial No. 446,599; published Dec. 16, 1941. Class 39.
Simplex Electric Heating Co., Boston, Mass., to General Electric Company, Schenectady, N. Y., successor. Electric heating-radiators. 145,458; renewed Aug. 2, 1941.
Skinner & Kennedy Stationery Company, St. Louis, Mo. Pencils. 393,702; Feb. 24. Class 37.
Smith, Arthur E., Los Angeles, Calif. Local anesthetizing, nerve blocking tablets, powders, and solutions. 393,687; Feb. 24; Serial No. 447,828; published Dec. 16, 1941. Class 6.
Socony-Vacuum Oil Company. (See Devoe Manufacturing Company, The.)
Sommer & Kaufmann, San Francisco, Calif. Shoes. 393,675; Feb. 24; Serial No. 447,469; published Dec. 2, 1941. Class 39.
Southwestern Broom Mfg. Co., The, Evansville, Ind. Brooms. 153,309; renewed Mar. 14, 1942.
Specific Pharmaceuticals Inc., New York, N. Y. Sulphanilamide derivative for parenteral injection. 393,695; Feb. 24; Serial No. 448,339; published Dec. 16, 1941. Class 6.
Specific Pharmaceuticals Inc., New York, N. Y. Rectal suppository containing bismuth. 393,696; Feb. 24; Serial No. 448,340; published Dec. 16, 1941. Class 6.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. 393,683; Feb. 24; Serial No. 447,676; published Dec. 16, 1941. Class 43.
Standard Milling Company. (See Northwestern Consolidated Milling Company, The, assignor.)
Star Milling Company, to T. O. Morrison, doing business as Star Milling Company, Statesville, N. C., successor. Self-rising wheat flour. 150,589; renewed Jan. 3, 1942.
Stark Bros. Ribbon Corporation, New York, N. Y. Bows made from ribbon. 393,654; Feb. 24; Serial No. 446,005; published Dec. 2, 1941. Class 40.
Steckler, Nat P., New York, N. Y. Hair nets and negligee caps. 393,657; Feb. 24; Serial No. 446,250; published Dec. 2, 1941. Class 39.
Stern-Slegman Prins Company, North Kansas City, Mo. Women's and girls' coats. 393,676; Feb. 24; Serial No. 447,471; published Dec. 16, 1941. Class 39.
Stevens, Isaac F., to The Maine Manufacturing Company, Nashua, N. H., successor. Refrigerators. 155,289–90; renewed May 23, 1942.
Stone & Andrew Inc., assignor, by mesne assignments, to John Carter & Company, Incorporated, Boston, Mass. Book papers. 153,543; renewed Mar. 21, 1942.
Summey, Kate T., doing business as Mon Ray Chemical Company, Forest City, N. C. Preparation used in the treatment of athlete's foot. 393,677; Feb. 24; Serial No. 447,472; published Dec. 16, 1941. Class 6.
Superba Cravats. (See Cohn, H. C., & Co., assignor.)
Sylvania Industrial Corporation, Fredericksburg, Va. Sulphur. 393,678; Feb. 24; Serial No. 447,499; published Dec. 16, 1941. Class 6.
Sylvania Industrial Corporation, Fredericksburg, Va. Sealing solvent. 393,679; Feb. 24; Serial No. 447,500; published Dec. 16, 1941. Class 6.
Taylor, N. & G. Co., Philadelphia, Pa., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Roofing tin. 20,563; re-renewed Jan. 4, 1942.
Tower, A. J., Company, assignor to A. J. Tower Company, Boston, Mass. Coats, Waterproof. 154,716; renewed Apr. 18, 1942.
Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry, not including watches. 393,719; Feb. 24. Class 28.
Union Paste Company, Boston, Mass. Adhesive pastes composed mainly of vegetable substances. 154,405; renewed Apr. 11, 1942.
United Metal Box Co., New York, N. Y., assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Switch boxes, motor inclosures, and safety switches. 155,853; renewed June 6, 1942.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y., assignor to United States Rubber Company, New York, N. Y. Golf balls. 152,530; renewed Feb. 28, 1942.
United States Rubber Company. (See Revere Rubber Company, assignor.)
United States Rubber Company, New Brunswick, N. J., to United States Rubber Company, New York, N. Y. Wire cable, insulated. 153,341; renewed Mar. 14, 1942.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Plasticizer for synthetic rubber. 393,666; Feb. 24; Serial No. 447,035; published Dec. 16, 1941. Class 6.
Vanti-Pa-Pi-A Corporation, New York, N. Y., now by change of name to Par Beverage Corporation. Maltless nonalcoholic carbonated beverage, and syrup for use in making the same. 393,627–9; Feb. 24; Serial Nos. 426,584–6; published Dec. 16, 1941. Class 45.
Venice Importing Co. (See Heller, Morris.)
Venus Foundation Garments, Inc., Chicago, Ill. Women's undergarments consisting of foundation garments, girdles, corsets, etc. 393,708; Feb. 24. Class 39.
Waegemans, E., & Son, Inc. (See Whitcomb & Co., Joseph, assignor.)
Ward, Luther, doing business as Ward's Pharmacy, Tuscaloosa, Ala. Medicinal preparation used for relief of bronchial troubles, asthma, and headaches. 393,698; Feb. 24; Serial No. 448,376; published Dec. 16, 1941. Class 6.

Welch, C. S., Company, The, New York, N. Y. Powder and liquid to be added to the bath, etc. 393,656; Feb. 24; Serial No. 446,224; published Dec. 16, 1941. Class 6.

Wellco Shoe Corporation, Waynesville, N. C. Slippers, shoes, and beach shoes. 393,645; Feb. 24; Serial No. 444,027; published Dec. 2, 1941. Class 39.

Whitcomb, Joseph & Co., Springfield, Mass., assignors to E. Waegemans & Son, Inc., Bridgeport, Conn., assignee, by mesne assignments. Cigars. 153,058; renewed Mar. 7, 1942.

Whittemore Bros. Corp., Cambridge, Mass. Dressing for shoes and other articles made of leather. 152,006; renewed Feb. 14, 1942.

Wiggins, Theodore L., doing business as Wiggins Mfg. Co., Seattle, Wash. Leather articles of clothing for men, comprising aprons, coats, gloves, etc. 393,671; Feb. 24; Serial No. 447,281; published Dec. 16, 1941. Class 39.

Wilson Brothers, Chicago, Ill. Men's outer shirts. 393,648; Feb. 24; Serial No. 445,443; published Dec. 16, 1941. Class 39.

Worthington Pump and Machinery Corporation, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Battery lighting plants, electric lighting plants and switchboards. 155,874; renewed June 6, 1942.

Worthington Pump and Machinery Corporation, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Liquid meters, piston meters, etc. 156,788–9; renewed July 11, 1942.

Worthington Pump and Machinery Corporation, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Battery lighting plants, electric lighting plants, etc. 156,790; renewed July 11, 1942.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Wire. 393,680; Feb. 24; Serial No. 447,602; published Dec. 16, 1941. Class 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Monarch Leather Company. 151,194; renewed Jan. 24, 1942.

CLASS 2

Barrels with sheet-rubber linings. American Chemical Paint Company. 153,393; renewed Mar. 21, 1942.

Boxes, wood and metal combines; Bottle boxes, wooden; packing boxes, wooden, Bottle. Republic Box Co. 151,357; renewed Jan. 31, 1942.

CLASS 4

Dressing for shoes and other articles made of leather. Whittemore Bros. Corp. 152,006; renewed Feb. 14, 1942.

Soap. J. Metrie. 393,651; Feb. 24; Serial No. 445,898; published Dec. 16, 1941.

Soap and other cleaning and detergent preparations. J. T. Robertson Soap Company. 21,525; re-renewed July 5, 1942.

Soaps. Elizabeth Arden Sales Corporation. 393,688; Feb. 24; Serial No. 447,836; published Dec. 16, 1941.

CLASS 5

Adhesive pastes composed mainly of vegetable substances. Union Paste Company. 154,405; renewed Apr. 11, 1942.

CLASS 6

Antiseptic. A. A. Feist, V. M. D. 393,693; Feb. 24; Serial No. 448,221; published Dec. 16, 1941.

Astringent, Intestinal. Nyal Company. 393,697; Feb. 24; Serial No. 448,369; published Dec. 16, 1941.

Bait, Rat and mouse. Anchor Products Co. 393,694; Feb. 24; Serial No. 448,275; published Dec. 16, 1941.

Chemicals. Commercial Solvents Corporation. 154,252; renewed Apr. 11, 1942.

Chemicals for developing line and half-tone negatives. Philip A. Hunt Company. 393,634; Feb. 24; Serial No. 439,933; published Mar. 18, 1941.

Compounds for cleaning teeth. T. H. Odeneal. 393,668; Feb. 24; Serial No. 447,106; published Dec. 16, 1941.

Cosmetics and toilet preparations. Gaby, Inc. 393,664; Feb. 24; Serial No. 446,915; published Dec. 16, 1941.

Cosmetics, salve, and ointments. Blondeau et Cie. 21,085; re-renewed May 10, 1942.

Dyes, dyestuffs, and colors. National Aniline & Chemical Company. 151,553; renewed Feb. 7, 1942.

Dyes, dyestuffs, and colors. National Aniline & Chemical Company. 151,556–8; renewed Feb. 7, 1942.

Dyestuffs, Coal-tar. National Aniline & Chemical Company. 153,804; renewed Mar. 28, 1942.

Laxative tablets. Franco-American Chemical Company. 393,692; Feb. 24; Serial No. 448,191; published Dec. 16, 1941.

Liquid composition used in art, photographic, and similar work. A. Jeri. 393,640; Feb. 24; Serial No. 442,173; published Dec. 16, 1941.

Medicaments and expectorants and cough syrups, Bronchial. Sharp & Dohme, Incorporated. 393,691; Feb. 24; Serial No. 448,061; published Dec. 16, 1941.

Medicinal oils derived from petroleum, etc. Atlantic Refining Company. 153,652; renewed Mar. 28, 1942.

Medicinal preparation for bronchial troubles, asthma, and headaches. L. Ward. 393,698; Feb. 24; Serial No. 448,376; published Dec. 16, 1941.

Plasticiser for synthetic rubber. R. T. Vanderbilt Company. 393,666; Feb. 24; Serial No. 447,035; published Dec. 16, 1941.

Powder and liquid to be added to the bath, etc. C. S. Welch Company. 393,656; Feb. 24; Serial No. 446,224; published Dec. 16, 1941.

Preparation to beautify the hair by dyeing it. Osaki Shoten, Ltd. 393,641; Feb. 24; Serial No. 443,090; published Dec. 16, 1941.

Preparation to relieve skin itch and athlete's foot. B. J. Pierce. 393,644; Feb. 24; Serial No. 444,013; published Dec. 16, 1941.

Preparation used in the treatment of athlete's foot. K. T. Summey. 393,677; Feb. 24; Serial No. 447,472; published Dec. 16, 1941.

Salve for certain named purposes. P. Hohl. 150,402; renewed Jan. 3, 1942.

Solvent, Sealing. Sylvania Industrial Corporation. 393,679; Feb. 24; Serial No. 447,500; published Dec. 16, 1941.

Sulphanilamide derivative for parenteral injection. Specific Pharmaceuticals Inc. 393,695; Feb. 24; Serial No. 448,339; published Dec. 16, 1941.

Sulphur. Sylvania Industrial Corporation. 393,678; Feb. 24; Serial No. 447,499; published Dec. 16, 1941.

Suppository, Rectal. Specific Pharmaceuticals Inc. 393,696; Feb. 24; Serial No. 448,340; published Dec. 16, 1941.

Tablets, powders, and solutions, Local anesthetizing, nerve blocking. A. E. Smith. 393,687; Feb. 24; Serial No. 447,828; published Dec. 16, 1941.

Toilet powders and compacts. A. Bourjois & Co. Inc. 155,624; renewed June 6, 1942.

Vitamin preparation. Anthony Laboratories. 393,639; Feb. 24; Serial No. 441,937; published Dec. 16, 1941.

Water-glass egg preserver. Rutland Fire Clay Co. 155,813; renewed June 6, 1942.

CLASS 7

Rope, twine, and cordage, etc. Columbia Rope Company. 153,142; renewed Mar. 14, 1942.

CLASS 8

Pipes, Tobacco. Marshall Field & Company. 393,718; Feb. 24.

CLASS 11

Varnish, Printers'-ink. E. B. Beccard. 151,427; renewed Feb. 7, 1942.

CLASS 12

Construction material. G. F. Horton. 153,204; renewed Mar. 14, 1942.

Coverings and insulations, including asbestos, roofing cements, etc., Steam-pipe. Nott-Atwater Company. 156,031; renewed June 13, 1942.

Oils and petroleum asphalts and pitches, Road and roofing. Atlantic Refining Company. 152,344; renewed Feb. 28, 1942.

CLASS 13

Hardware. Bassick Company. 154,226; renewed Apr. 11, 1942.

Pressure regulators, strainers, etc. Griscom-Russell Company. 156,283; renewed June 20, 1942.

CLASS 14

Rails, bars, plates, etc., Rolled-metal. Carnegie Steel Company. 156,200; renewed June 20, 1942.

Tin, Roofing. N. & G. Taylor Co. 20,563; re-renewed Jan. 4, 1942.

Type, Metal printing. Service Engraving Works. 393,709; Feb. 24.

Wire. Youngstown Sheet and Tube Company. 393,680; Feb. 24; Serial No. 447,602; published Dec. 16, 1941.

CLASS 15

Oil, Refined. Devoe Manufacturing Company. 20,770; re-renewed Feb. 23, 1942.

Oils and greases. A. W. Harris Oil Company. 154,962; renewed May 16, 1942.

Petroleum products. Fletcher Oil Company. 152,773; renewed Mar. 7, 1942.

CLASS 16

Paint for structural steel. Goheen Corporation. 152,793; renewed Mar. 7, 1942.

Paint, washable oil. Phelan-Faust Paint Manufacturing Company. 154,364; renewed Apr. 11, 1942

CLASS 17

Cigars. Joseph Whitcomb & Co. 153,058; renewed Mar. 7, 1942.

CLASS 21

Asbestos insulated electric wires. General Electric Company. 151,487; renewed Feb. 7, 1942.

Battery lighting plants, electric lighting plants and switchboards. Worthington Pump and Machinery Corporation. 155,874; renewed June 6, 1942.

Battery lighting plants, electric lighting plants, etc. Worthington Pump and Machinery Corporation. 156,790; renewed July 11, 1942.

Electric heating-radiators. Simplex Electric Heating Co. 145,458; renewed Aug. 2, 1941.

Electric-light fixtures. General Electric Company. 151,488; renewed Feb. 7, 1942.

Electric motors and parts thereof, etc. Master Electric Company. 156,704; renewed July 11, 1942.

Electric switches and certain named circuit breakers. Cutter Electrical and Manufacturing Company. 150,785; renewed Jan. 10, 1942.

Switch boxes, motor inclosures, and safety switches. United Metal Box Co. 155,853; renewed June 6, 1942.

Wire cable, insulated. United States Rubber Company. 153,341; renewed Mar. 14, 1942.

CLASS 22

Drawing books, Children's. Samuel Gabriel Sons & Company. 156,255; renewed June 20, 1942.

Golf balls. United States Rubber Company. 152,530; renewed Feb. 28, 1942.

Tennis baskets. Harry C. Lee & Company. 154,993; renewed May 16, 1942.

CLASS 23

Compressors, vapor condensers, and liquid evaporators, Air and gas. Griscom-Russell Company. 155,972; renewed June 13, 1942.

Mixers, concrete-distributing machines, loading skips, etc., Concrete. Koehring Company. 152,447; renewed Feb. 28, 1942.

Pumps, hydraulic pumps, atomizers for vapor conduits, etc., Centrifugal. Penberthy Injector Company. 155,506; renewed May 30, 1942.

CLASS 25

Locks, Gas tank. S. Greenberg. 393,706; Feb. 24.

CLASS 26

Eye-testing instruments for testing the refractive media and motor muscles of the eye. H. L. De Zeng. 150,787; renewed Jan. 10, 1942.

Meters, piston meters, etc., Liquid. Worthington Pump and Machinery Corporation. 156,788–9; renewed July 11, 1942.

CLASS 28

Jewelry. Trifari, Krussman & Fishel, Inc. 393,719; Feb. 24.

Metalware, sterling silver hollow ware, Precious. Gold Recovery & Refining Corporation. 393,713; Feb. 24.

Pearls, Imitation. New England Glass Works. 156,720; renewed July 11, 1942.

CLASS 29

Brooms. Southwestern Broom Mfg. Co. 153,309; renewed Mar. 14, 1942.

CLASS 31

Refrigerators. I. F. Stevens. 155,289–90; renewed May 23, 1942.

CLASS 32

Desks. Commercial Furniture Company. 150,310; renewed Jan. 3, 1942.

Tables, extension drop leaf tables, and cabinet drop leaf tables, Drop leaf. Michigan Arteraft Company. 393,700; Feb. 24.

CLASS 34

Heaters, oil, oil and gas water heaters, and heat exchangers. Griscom-Russell Company. 154,038; renewed Apr. 4, 1942.

CLASS 35

Belting, hose and packing, Rubber. Revere Rubber Company. 20,848; re-renewed Mar. 15, 1942.

CLASS 37

Blanks and blank books. A. R. Maul. 150,898; renewed Jan. 10, 1942.

Envelopes and mailing containers. Letalog Mailer Co. 150,878; renewed Jan. 10, 1942.

Paper, Bond, ledger, book, cover and writing. Fischel Paper Co. 153,442; renewed Mar. 21, 1942.

Paper, tissue toilet. Graham Paper Company. 153,731; renewed Mar. 28, 1942.

Paper, Wrapping. Graham Paper Company. 156,268; renewed June 20, 1942.

Papers, Book. Stone & Andrew Inc. 153,543; renewed Mar. 21, 1942.

Papers, writing and printing, and mailing envelopes. American Writing Paper Company. 153,961; renewed Apr. 4, 1942.

Pencils. Skinner & Kennedy Stationery Company. 393,702; Feb. 24.

Pens, Fountain. Conklin Pen Manufacturing Co. 147,763; renewed Nov. 1, 1941.

CLASS 38

Publications, Certain named. Poor's Publishing Company. 133,490; renewed July 27, 1940.

CLASS 39

Apparel, Ladies'. Queen Anne Undies, Inc. 393,637; Feb. 24; Serial No. 441,411; published Dec. 2, 1941.

Articles of ranch wear—outer shirts, jackets, jumpers, etc. A. Anderson. 393,663; Feb. 24; Serial No. 446,904; published Dec. 9, 1941.

Boots and shoes. Peters Shoe Company. 20,737; re-renewed Feb. 16, 1942.

Caps for men. David D. Coniger & Co. Inc. 156,231; renewed June 20, 1942.

Clothing, Leather articles of. T. L. Wiggins. 393,671; Feb. 24; Serial No. 447,281; published Dec. 16, 1941.

Coats, Waterproof. A. J. Tower Company. 154,716; renewed Apr. 18, 1942.

Coats, Women's and girls'. Stern-Slegman Prins Company. 393,676; Feb. 24; Serial No. 447,471; published Dec. 16, 1941.

Corsets, girdles, and brassières. Dominion Corset Company. 393,636; Feb. 24; Serial No. 440,855; published Dec. 2, 1941.

Diapers made of textile fabric. J. Robinson. 393,658; Feb. 24; Serial No. 446,336; published Dec. 2, 1941.

Dresses. Comar Company. 393,682; Feb. 24; Serial No. 447,657; published Dec. 16, 1941.

Dresses. Courtney, Inc. 393,705; Feb. 24.

Dresses and dress ensembles. David Crystal Inc. 393,659; Feb. 24; Serial No. 446,567; published Dec. 16, 1941.

Dresses and jackets, blouses, etc. E. E. Brennan. 393,667; Feb. 24; Serial No. 447,057; published Dec. 16, 1941.

Dresses, skirts, coats, etc. Milroe Dress, Inc. 393,717; Feb. 24.

Garments made of fur, Ladies. Fromm Bros., Inc. 393,647; Feb. 24; Serial No. 444,866; published Dec. 9, 1941.

Gloves. Fownes Brothers & Company. 393,661; Feb. 24; Serial No. 446,624; published Dec. 2, 1941.

Gloves. Daniel Hays Company. 393,642; Feb. 24; Serial No. 443,505; published Dec. 2, 1941.

Gloves made of rubber, Household and electricians'. B. F. Goodrich Company. 393,669; Feb. 24; Serial No. 447,207; published Dec. 9, 1941.

Hair nets and negligee caps. N. P. Steckler. 393,657; Feb. 24. Serial No. 446,250; published Dec. 2, 1941.

Hats. Hat Corporation of America. 393,635; Feb. 24; Serial No. 440,813; published Dec. 2, 1941.

Hats, Women's. Marshall Field & Company. 393,684; Feb. 24; Serial No. 447,727; published Dec. 16, 1941.

Headbands. Mine Safety Appliances Company. 393,632; Feb. 24; Serial No. 436,356; published Dec. 9, 1941.

Hosiery. American Silk Hosiery Mills. 393,714; Feb. 24.

Hosiery, bath robes, underwear, etc. T. Silverman. 393,660; Feb. 24; Serial No. 446,599; published Dec. 16, 1941.

Hosiery, gloves, slips, etc. Julius Kayser & Co. 393,643; Feb. 24; Serial No. 443,722; published Dec. 2, 1941.

Hosiery, Ladies'. Higbee Company. 393,631; Feb. 24; Serial No. 436,214; published Dec. 16, 1941.

Hosiery, Women's. Marshall Field & Company. 393,685; Feb. 24; Serial No. 447,732; published Dec. 16, 1941.

Lingerie. Faris Brothers. 393,711; Feb. 24.

Neckties. H. C. Cohn & Co. 393,626; Feb. 24; Serial No. 416,028; published Dec. 9, 1941.

Neckties, Men's and boys'. Paris Neckwear Co. 393,686; Feb. 24; Serial No. 447,783; published Dec. 16, 1941.

Pajamas, blouses, nightgowns, Ladies'. Michael Berkowitz Company. 393,652; Feb. 24; Serial No. 445,974; published Dec. 16, 1941.

Shirts and blouses. Desmond's. 393,716; Feb. 24.

Shirts, Men's outer. Wilson Brothers. 393,648; Feb. 24; Serial No. 445,443; published Dec. 16, 1941.

Shirts, Outer. Manhattan Shirt Company. 393,712; Feb. 24.

Shirts, outer shirts, leather and wool jackets, Work, etc. Copper Queen, Inc. 393,630; Feb. 24; Serial No. 434,740; published Dec. 9, 1941.

Shirts, Work. Reliance Manufacturing Company. 154,668; renewed Apr. 18, 1942.

Shoes. Missouri Shoe Company. 393,674; Feb. 24; Serial No. 447,400; published Dec. 2, 1941.

Shoes. O'Donnell Shoe Company. 393,655; Feb. 24; Serial No. 446,141; published Dec. 2, 1941.

Shoes. Sommer & Kaufmann. 393,675; Feb. 24; Serial No. 447,469; published Dec. 2, 1941.

Shoes and boots, Leather. H. J. Justin & Sons, Inc. 393,715; Feb. 24.

Shoes and slippers, Ladies' and misses'. Bally Inc. 393,710; Feb. 24.

Slippers, shoes and beach shoes. Wellco Shoe Corporation. 393,645; Feb. 24; Serial No. 444,027; published Dec. 2, 1941.
Slips. Laros Textile Company. 393,703; Feb. 24.
Slips, petticoats, bloomers, etc. Luxuray, Inc. 393,646; Feb. 24; Serial No. 444,460; published Dec. 16, 1941.
Socks for men and children. Fox River Valley Knitting Co. 150,372; renewed Jan. 3, 1942.
Socks for men and children. Fox River Valley Knitting Company. 154,548; renewed Apr. 18, 1942.
Soles for shoes, Leather. Kistler Leather Co. 393,673; Feb. 24; Serial No. 447,336; published Dec. 9, 1941.
Suits, one-piece overall suits, overalls, jackets, etc. Cary & Company. 393,681; Feb. 24; Serial No. 447,656; published Dec. 16, 1941.
Suits, play suits, choir gowns, etc., Gymnasium. E. R. Moore Company. 393,638; Feb. 24; Serial No. 441,587; published Dec. 16, 1941.
Suspenders and hose-supporters, Men's. Nu-Way Stretch Suspender Co. 149,190; renewed Dec. 6, 1942.
Sweatbands for hats and caps, Leather. H. Barz. 393,649; Feb. 24; Serial No. 445,873; published Dec. 2, 1941.
Topcoats and overcoats, Men's. Ohio Overcoat Company. 393,689; Feb. 24; Serial No. 447,887; published Dec. 16, 1941.
Undergarments, Women's. Venus Foundation Garments, Inc. 393,708; Feb. 24.
Underwear, hosiery, sweater and jersey coats, Knitted. Penmans Limited. 148,914; renewed Nov. 29, 1941.

CLASS 40

Bows made from ribbons. Stark Bros. Ribbon Corporation. 393,654; Feb. 24; Serial No. 446,005; published Dec. 2, 1941.
Braids, Millinery. Armand Schwab & Co. 393,665; Feb. 24; Serial No. 447,032; published Dec. 9, 1941.
Crochet hooks for hand use. H. C. Bates. 393,650; Feb. 24; Serial No. 445,874; published Dec. 16, 1941.
Edging. Carson Pirie Scott & Company. 393,633; Feb. 24; Serial No. 437,892; published Dec. 9, 1941.
Flowers for personal wear, Artificial. Jacob De Jong, Inc. 393,662; Feb. 24; Serial No. 446,774; published Dec. 9, 1941.
Shoehorns. Mexusa-Holanda Corporation. 393,653; Feb. 24; Serial No. 446,002; published Dec. 2, 1941.
Waist band devices made of rubber. I. B. Kleinert Company. 393,704; Feb. 24.

CLASS 42

Silk piece goods. Mallinson & Co. Inc. 150,462; renewed Jan. 3, 1942.
Silk piece goods. H. R. Mallinson & Co. Inc. 152,455; renewed Feb. 28, 1942.

CLASS 43

Thread or nylon and other synthetic fibers. Belding Heminway Company. 393,670; Feb. 24; Serial No. 447,265; published Dec. 16, 1941.
Yarn. Crepe De Chine Incorporated. 393,672; Feb. 24; Serial No. 447,323; published Dec. 16, 1941.
Yarn. Spinnerin Yarn Co. 393,683; Feb. 24; Serial No. 447,676; published Dec. 16, 1941.

CLASS 45

Beverage, and syrup for making the same, Maltless non-alcoholic carbonated. Vanti Pa-Pi-A Corporation. 393,627–9; Feb. 24; Serial Nos. 426,584–6; published Dec. 16, 1941.
Beverages and sirups for making the same, Maltless. T. B. Kane. 150,861; **renewed Jan. 10, 1942.**
Juice, Grape, pineapple and loganberry. California Packing Corporation. 154,893; renewed May 16, 1942.

CLASS 46

Candles and chocolates. W. H. Luden. 154,616; renewed Apr. 18, 1942.
Canned vegetables; canned fruits; packaged dried fruits; etc. Henry Borgsmiller & Sons. 393,701; Feb. 24, 1942.
Cheese. Otto Roth & Co. 393,707; Feb. 24.
Coffee. Piggly Wiggly Corporation. 393,699; Feb. 24.
Egg, meringue powder, etc., Dried. Economy Food Products Company. 156,660; renewed July 11, 1942.
Fats, Cooking. Procter and Gamble Company. 156,736; renewed July 11, 1942.
Flour, Self-rising wheat. Star Milling Company. 150,589; renewed Jan. 3, 1942.
Flour, Wheat. Northwestern Consolidated Milling Company. 153,811; renewed Mar. 28, 1942.
Fruits, raisins, and seedless raisins, Dried. California Packing Corporation. 152,701; renewed Mar. 7, 1942.
Ice cream. Hendler Creamery Company. 156,686–87; renewed July 11, 1942.
Milk, malt sirup, etc., Malted. Adolph Coors B. & M. Company. 154,521; renewed Apr. 18, 1942.
Salad oil—viz, cottonseed oil flavored with olive oil. M. Heller. 155,705–6; renewed June 6, 1942.
Seasonings for improving soups, sauces, gravies, and other dishes; soups, consomme, bouillon, sauces, and gravies. Maggi Co. 151,860; renewed Feb. 14, 1942.

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Beer. Jos. Schlitz Brewing Company. 393,690; Feb. 24; Serial No. 448,013; published Dec. 16, 1941.
Malt, cereal beverages. Adolph Coors B. & M. Company. 156,155; renewed June 20, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boller, Henry A., Walled Lake, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor valve. Re. 22,030; Feb. 24.
Carter Carburetor Corporation. (See Boller, Henry A., assignor.)
Clemson Bros. Inc. (See Clemson, Richard D., assignor.)
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. Re. 22,031; Feb. 24.
Curry, Hugh F., Englewood, N. J. Container and seam closure therefor. Re. 22,033; Feb. 24.
Delamese Company. (See Huppert, William, assignor.)
Donaly, Helen M., et al. (See Donaly, James L., assignor.)
Donaly, James L., deceased, late of Newark, N. J., by L. M. Donaly, and H. M. Donaly, assignees, Bloomfield, N. J. Fish bait. Re. 22,032; Feb. 24.
Donaly, Louise M., et al. (See Donaly, James L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Milas, Nicholas A., assignor.)
Hardie Manufacturing Company. (See Vaage, Henry R., assignor.)
Hoover, Walter S., West Hartford, Conn. Variable pitch propeller mechanism. Re. 22,034; Feb. 24.
Huppert, William, New York, N. Y., assignor to Delamese Company, Inc. Hair device. Re. 22,035; Feb. 24
Kramer, Samuel, New York, assignor to Pioneer Watch Case Co., Inc., Mount Vernon, N. Y. Watchcase. Re. 22,036; Feb. 24.
Markel Electric Products, Inc. (See Markel, J., and Weinberg, assignors.)
Markel, Joseph, and A. Weinberg, assignors to Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixture of the portable wall lamp type. Re. 22,037; Feb. 24.
Milas, Nicholas A., Belmont, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of antirachitic substances. Re. 22,038; Feb. 24.
Parva Products Company. (See White, Paul W., assignor.)
Pioneer Watch Case Co. (See Kramer, Samuel, assignor.)
Raynolds, John F., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Multicylinder pressing machine. Re. 22,041; Feb. 24.
Unipress Company, The. (See Raynolds, John F., assignor.)
Vaage, Henry R., Alhambra, Calif., assignor to Hardie Manufacturing Company, Hudson, Mich. Orchard sprayer. Re. 22,039; Feb. 24.
Weinberg, Abraham. (See Markel, J., and Weinberg.)
White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. Re. 22,040; Feb. 24.

LIST OF PLANT PATENTEES

Fehr, Emma M., Lewiston, Idaho. Apricot. 503; Feb. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. Chance Company. (See Chance, Albert B., assignor.)
Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling system. 2,274,392; Feb. 24.
Acco Products, Inc. (See Kern, Emil, assignor.)
Adams, Nicholas M., Chicago, Ill., assignor to Wilson & Company, Inc. Preserved casing and preparing the same. 2,273,810; Feb. 24.
Agnew, Charles E., Norristown, Pa. Sintering machine. 2,273,821; Feb. 24.
Agulnek, Harry, and L. Mishcon, assignors to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Knitting and machine therefor. 2,273,811; Feb. 24.
Air Reduction Company, Incorporated. (See Tyrner, Joseph, assignor.)
Alco Fabricating Corporation. (See Stanley, Robert W., assignor.)
Alcorn Combustion Company. (See Praeger, Frank H., assignor.)
Alexander, Frank C., Evanston, assignor to Eversharp, Inc., Chicago, Ill. Retaining clasp. 2,274,393; Feb. 24.
Allen, Charles S., Sarasota, Fla. Arm protector for automobile doors. 2,274,026; Feb. 24.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,274,289; Feb. 24.
Allen, Ivey, Jr., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Treatment of polystyrene. 2,273,822; Feb. 24.
Allen, James E., Ames, Iowa. Mattress. 2,274,027; Feb. 24.
Allover Manufacturing Company. (See Gommels, Elmer, assignor.)
Alloy Processes Limited. (See Gentil, Henri L., assignor.)
Allward, George A., Hagerstown, Md., assignor, by mesne assignments, to J. F. Neary, Jr., Englewood, N. J. Aircraft wing structure. 2,273,919; Feb. 24.
Altenburg, William M., Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Making shoes. 2,274,028; Feb. 24.
Althoff, Lawrence A., Chicago, Ill. Range heater. 2,274,229; Feb. 24.
Altmayer, Frank, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery filler. 2,274,118; Feb. 24.
American Can Company. (See Ayres, William H., assignor.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See Hechenbleikner, Ingenuin, assignor.)
American Cyanamid Company. (See Hill, William H., assignor.)
American Cyanamid Company. (See Osborne, John L., assignor.)
American Cyanamid Company. (See Pineo, Orrin W., assignor.)
American Hard Rubber Company. (See Schelhammer, H. J., and Coursen, assignors.)
American Rock Wool Corporation. (See Davis, Carlton C., assignor.)
American Seal-Kap Corporation of Delaware. (See Baum, Ewald G., assignor.)
American Seal-Kap Corporation of Delaware. (See Goodwin, C. W., and Engel, assignors.)
American Seal-Kap Corporation of Delaware. (See Vore, Herbert G., assignor.)
Amery, George, Oldbury, England. Fuel injection system or device for internal-combustion engines. 2,274,315; Feb. 24.
Anderson, Carl A., Putnam, Conn. Shuttle. 2,274,516; Feb. 24.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,273,920; Feb. 24.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Installment posting machine. 2,274,575; Feb. 24.
Arana, Francisca E. (See Balls, A. K., Kevorkian, and Arana.)
Archer, Roy, Winfield, Kans. Flow responsive device. 2,274,029; Feb. 24.
Aresee Company Inc. (See Chandler, D. L., Ewing, and Walker, assignors.)

Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Control mechanism. 2,274,288; Feb. 24.
Arens Controls, Inc. (See Arens, Charles A., assignor.)
Ariani, Marian H., Brooklyn, N. Y. Knitting device. 2,274,181; Feb. 24.
Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Automatic suction control of timing. 2,274,316; Feb. 24.
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,274,353; Feb. 24.
Asher, Graham, and F. E. Hoecker, Kansas City, Mo. Moving luminescent screen oscillograph. 2,274,182; Feb. 24.
Ashmore, Lee R., Houston, Tex. Apparatus and method for fusing earth material in place. 2,274,517; Feb. 24.
Ashworth, Fred, Wenham, and P. W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoemaking method. 2,274,576; Feb. 24.
Ashworth, Fred, Wenham, and P. W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,274,577; Feb. 24.
Ashworth, Fred, Wenham, and P. W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoemaking apparatus. 2,274,578; Feb. 24.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,274,394; Feb. 24.
Atkins, George T., Jr., Highlands, Tex., assignor to Standard Oil Development Company. Process improvement for solvent extracting operations. 2,274,030; Feb. 24.
Atlanta Concrete Pipe Company. (See Kyle, John V., assignor.)
Atlas Press Company. (See Collins, James G., assignor.)
Atwood, John B., Riverhead, New York, N. Y., assignor to Radio Corporation of America. Temperature compensated crystal holder. 2,274,466; Feb. 24.
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Push pole structure. 2,274,183; Feb. 24.
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Products Company. (See Carroll, Arthur F., assignor.)
Ayres, William H., Baltimore, Md., assignor to American Can Company, New York, N. Y. Sheet feeding mechanism. 2,273,823; Feb. 24.
B. & T. Floor Company, The. (See Bonnell, William L., assignor.)
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic switching mechanism. 2,274,119; Feb. 24.
Badenhausen, John P., Philadelphia, Pa. Locomotive. 2,274,395; Feb. 24.
Bailey, Richard W., Hale, assignor to Metropolitan-Vickers Electrical Company Limited, London, and English Steel Corporation Limited, Sheffield, England. Production of metal castings. 2,274,580; Feb. 24.
Bain, George, Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich. Interrupter. 2,273,921; Feb. 24.
Bakelite Corporation. (See Brannon, J. L., and Mraz, assignors.)
Baker, Lee R., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle suspension. 2,274,518; Feb. 24.
Ball, Cornelia M., executrix. (See Ball, Frederick O., assignor.)
Ball, Frederick O., deceased, Detroit, Mich., by C. M. Ball, executrix, Birmingham, Mich., and T. M. Ball, Detroit, Mich. Carburetor. 2,274,467; Feb. 24.
Ball, Thomas M. (See Ball, Frederick O.)
Balls, Arnold K., Washington, D. C., A. G. Kevorkian, and F. E. Arana, Mayaquez, P. R., dedicated to the free use of the people in the territory of the United States. Curing vanilla beans. 2,274,120; Feb. 24.
Bannister, Bryant, and G. J. Kirchner, Mount Lebanon, Pa., assignors to National Tube Company. Producing seamless tubes. 2,274,579; Feb. 24.
Bannister, Bryant, and G. J. Kirchner, Mount Lebanon, Pa., assignors to National Tube Company. Producing seamless tubes. 2,274,581; Feb. 24.
Bannon, Lewis A., Roselle, N. J., assignor to Standard Oil Development Company. Insulated electrical conductor. 2,274,031; Feb. 24.
Banta, Clarence A., Alamosa, Colo. Dandelion and weed puller. 2,273,812; Feb. 24.

Bantam Bearings Corporation. (See Frauenthal, H., and Thomas, assignors.)
Barber, Bert, Decatur, Ill. Wallpaper steaming device. 2,273,813; Feb. 24.
Barkinen, Kenneth W. (See Drissner, A. E., Hogg, and Barkinen.)
Barnhart, George E., Pasadena, Calif. Hygrometer. 2,274,290; Feb. 24.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Hydraulic cylinder construction. 2,274,519; Feb. 24.
Barrett, Harold G., assignor to Plastic Binding Corporation, Chicago, Ill. Apparatus and making plastic binders. 2,273,824; Feb. 24.
Barry, Robert D., Grandview, Mo. Dial clearing means for meters. 2,274,396; Feb. 24.
Bartel, Rudolph, and W. Kirkendall, Wasco, Calif. Newspaper vending machine. 2,273,814; Feb. 24.
Barton, Louis E., Windsor, Conn. Lead aluminate pigments and paints and method of making same. 2,273,825; Feb. 24.
Bartunek, Richard. (See Stoeckly, J. J., and Bartunek.)
Bassette, Arthur S. (See Frank, W. H., and Bassette.)
Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Fluid treating apparatus. 2,273,826; Feb. 24.
Bach, Henry M., Woodmere, N. Y., assignor to Radio Patents Corporation. Phase and frequency variation response circuit. 2,274,184; Feb. 24.
Bauer, Albert G., Pontiac, Mich. Protractor. 2,274,582; Feb. 24.
Baum, Ewald G., Natick, Mass., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Feeding mechanism for bottle capping machines. 2,274,583; Feb. 24.
Baumgold, Louis, New York, N. Y. Lapidary's tool. 2,274,520; Feb. 24.
Beardsley & Pipe Company, The. (See Piper, Walter F., assignor.)
Beasley, Milton R., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Manufacture of artificially colored granules. 2,273,827; Feb. 24.
Bechler, André, Moutier, Switzerland. Automatic lathe. 2,274,230; Feb. 24.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Screen grid tube. 2,274,354; Feb. 24.
Behrman, Abraham Sidney, assignor to A. S. Behrman, trustee of Porous Rubber Products Trust, Chicago, Ill. Battery separator. 2,274,231; Feb. 24.
Behrman, A. S., trustee of Porous Rubber Products Trust. (See Behrman, Abraham S., assignor.)
Bell Aircraft Corporation. (See Magrum, G. M., and Salisbury, assignors.)
Bell Aircraft Corporation. (See Woods, Robert J., assignor.)
Bell, Harry W., Akron, Ohio, assignor to Durable Mat Company, Seattle, Wash. Floor covering. 2,274,468; Feb. 24.
Bell Telephone Laboratories, Incorporated. (See Abraham, Leonard G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dearborn, Ernest F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dixon, John T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fisher, Harold J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., and Shangle, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ingerson, William E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hill, W. J., and Stover, assignors.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Charles G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pierce, John R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Swenson, Paul W., assignor.)
Beller, Hans, and J. J. Owen, Baton Rouge, La., assignors to Jasco Incorporated. Soap composition. 2,274,584; Feb. 24.
Benbow, Henry R., New Hartford, assignor to Divine Brothers Company, Utica, N. Y. Polishing wheel. 2,274,185; Feb. 24.
Bendix Aviation Corporation. (See Mock, Frank C., assignor.)
Bendix Aviation Corporation. (See White, J. W., and Stelzer, assignors.)
Bendix Home Appliances, Inc. (See Bendix, Vincent, assignor.)
Bendix Home Appliances, Inc. (See Porter, Howard C., assignor.)
Bendix Products Corporation. (See Price, Earl R., assignor.)
Bendix, Vincent, New York, N. Y., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Cleaning machine. 2,274,121; Feb. 24.
Benning, Anthony F., Woodstown, and H. B. Gottlieb, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorine-containing compounds of the naphthalene series. 2,273,922; Feb. 24.
Bergsten, Charles A., Evanston, assignor to Ditto, Incorporated, Chicago, Ill. Producing card assemblies. 2,274,355; Feb. 24.
Berry, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of finely divided pigment substances. 2,274,521; Feb. 24.
Bescherer, Palmer, assignor to York Safe and Lock Company, York, Pa. File cabinet. 2,274,263; Feb. 24.
Bethlehem Steel Company. (See Miller, Earl J., assignor.)
Bevington, John E., Cleveland, Ohio. Boat propelling and maneuvering attachment. 2,273,815; Feb. 24.
Bickel, Erich, Baden, near Zurich, Switzerland. Aerial mine. 2,274,264; Feb. 24.
Biederman, Edward G., assignor to General Motors Corporation, Detroit, Mich. Traveling repeat welder. 2,274,122; Feb. 24.
Bigler, Robert H. (See Randolph, D. W., and Bigler.)
Bird & Son. (See Beasley, Milton R., assignor.)
Bird & Son, Inc. (See Lines, Edwin M., assignor.)
Bishop, George E., Cleveland Heights, Ohio. Chair. 2,274,585; Feb. 24.
Blackburn, George, and Sons Limited. (See Start, Harry W. and E., assignors.)
Blair, Floyd E., Bic, Quebec, Canada. Repairing tool. 2,274,032; Feb. 24.
Blake Manufacturing Corporation. (See Wood, Orville T., assignor.)
Blakeslee, G. S., & Co. (See Dammers, John W., assignor.)
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polarity control system. 2,274,356; Feb. 24.
Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Separation of organic compounds. 2,273,923; Feb. 24.
Blue Star Knitting Company. (See Ehrman, J. S., Williams, and Breslauer.)
Bluemle, Arnold A. (See Doane, H. C., and Bluemle.)
Boekeloo, Merrill E., Lancaster, Calif. Marking machine. 2,273,816; Feb. 24.
Bogoslowsky, Boris, New York, N. Y. Ball winding machine. 2,273,828; Feb. 24.
Bomze, Jacob, Detroit, Mich. Bowling ball. 2,274,522; Feb. 24.
Bond, Donald C., Northbrook, and C. W. Botsford, Niles Center, assignors to The Pure Oil Company, Chicago, Ill. Stabilized drilling mud. 2,273,925; Feb. 24.
Bonnell, William L., assignor to The B. & T. Floor Company, Columbus, Ohio. Wall panel securing frame. 2,274,317; Feb. 24.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Devices Company. Refrigerator. 2,274,123; Feb. 24.
Booth, Earl C., assignor to Noblitt-Spark Industries, Inc., Columbus, Ind. Automobile heater. 2,274,033; Feb. 24.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Room heater. 2,274,469; Feb. 24.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosin alcohols into components. 2,274,523; Feb. 24.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified resin alcohols into components. 2,274,524; Feb. 24.
Borg-Warner Corporation. (See Anderson, Edmund B., assignor.)
Bosch, Robert, Gesellschaft mit beschrankter Haftung. (See Dorn, Walter, assignor.)
Bosch, Robert, Gesellschaft, mit beschrankter. (See Sträb, Hermann, assignor.)
Botsford, Charles W. (See Bond, D. C., and Botsford.)
Bowen, Earl M. (See Kampmeier, F. J., and Bowen.)
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,273,924; Feb. 24.
Bowley, Eve M., administratrix. (See Bowley, Raymond E., assignor.)
Bowley, Raymond E., San Anselmo, Calif., E. M. Bowley, administratrix of said R. E. Bowley, deceased. Bandpass filter coupling, compensating, and dividing network. 2,274,124; Feb. 24.
Boyer, Roy C., Kansas City, Mo. Rotary motor. 2,274,232; Feb. 24.
Boyle, Farnham F., and W. H. Lindemon, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 2,274,470; Feb. 24.
Boyle, James M., Darien, Conn. Variable discount metering system for electric plant use. 2,273,829; Feb. 24.
Brace, Charles H., assignor to General Refineries, Inc., Minneapolis, Minn. Method of and apparatus for investing patterns under vacuum. 2,274,186; Feb. 24.

Bradshaw, Eugene. (See Schwartz, A. K., Bradshaw and Walker.)

Brailsford, Joseph T. (See Rust, N. M., and Brailsford.)

Brannon, James L., Plainfield, and S. A. Mraz, Perth Amboy, N. J., assignors to Bakelite Corporation. Forming metal shells and arbor for the same. 2,273,926; Feb. 24.

Branson, Harry, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Cathode ray tube. 2,274,586; Feb. 24.

Brant, David O., Canoga Park, Calif. Strainer. 2,273,927; Feb. 24.

Breen, Henry D., and A. F. O'Connor, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Railway car end construction. 2,274,472; Feb. 24.

Breer, Carl, Grosse Pointe Park, Mich., assignor, by mesne assignments, to Railroad Rolling Stock Patents Corporation. Railway vehicle. 2,274,471; Feb. 24.

Breslauer, Norman L. (See Ehrman, J. S., Williams, and Breslauer.)

Brian, William S., Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich. Mercury interrupter. 2,273,928; Feb. 24.

Brierly, Ralph C., Narberth, and E. H. Wiley, Darby, Pa. Making nozzle sprayer plates. 2,273,830; Feb. 24.

Bristol Company, The. (See Inderdohnen, J. F., and Noble, assignors.)

Broadhurst, Frank S., Watertown, Mass. Evaporative heat transfer apparatus. 2,274,034; Feb. 24.

Brotherton, William, assignor to Elizabeth M. Price, Chicago, Ill. Recovery retort for mercury and the like. 2,273,929; Feb. 24.

Brown, Hugo, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Machine for packing matches. 2,274,035; Feb. 24.

Brown, Robert L., Atlanta, Ga., assignor to Hercules Powder Company, Wilmington, Del. Sulphating aluminum ore. 2,273,930; Feb. 24.

Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Socket adapter. 2,274,357; Feb. 24.

Buck, William H., Buffalo, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Wire straightening device. 2,274,036; Feb. 24.

Buckeye Laboratories, Inc., The. (See Dunmire, Russell P., assignor.)

Buckwalter, Tracy V., Massilon, and W. P. Cox, assignors to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle construction. 2,274,187; Feb. 24.

Bulldog Electric Products Company. (See Frank, W. H., and Messing, assignors.)

Bulldog Electric Products Company. (See Frank, W. H., and Bassette, assignors.)

Bulldog Electric Products Company. (See Platz, Elwood T., assignor.)

Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine. 2,274,525; Feb. 24.

Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine. 2,274,526; Feb. 24.

Bunn, B. H., Company. (See Bunn, Banjamin H., assignor.)

Buran, Louis F., and G. D. Shaeffer, assignors to Gar Wood Industries, Inc., Detroit, Mich. Hydraulic control circuit and mechanism. 2,274,527; Feb. 24.

Burkhardt, Arthur, Berlin-Lichterfelde, and R. Knabe, Berlin-Zehlendorf, assignors to Georg von Giesche's Erben, Breslau, Germany. Magnesium alloy. 2,273,831; Feb. 24.

Burgess Battery Company. (See MacFarland, Allison M., assignor.)

Burton, Arthur. (See Etwanik, Julius, assignor.)

Burton, Roy, Detroit, Mich. Carburetor. 2,274,587; Feb. 24.

Byrnes, Clarence P., Delray Beach, Fla. Forging. 2,273,931; Feb. 24.

Caesar, Irving, New York, N. Y. Game. 2,273,932; Feb. 24.

Calvert, William C., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Stable rubber hydrochloride. 2,274,588; Feb. 24.

Campbell, Allan M., Detroit, Mich. Stripping knife. 2,274,188; Feb. 24.

Campbell, Arthur L., San Francisco, Calif. Portable laundry rack. 2,273,933; Feb. 24.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,274,318; Feb. 24.

Campbell, Richard L., Hasbrouck Heights, N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Noise limiting device. 2,273,934; Feb. 24.

Cantwell, Garrett Reed. (See Fontana, M. G., Cantwell, and Schwaab, Jr.)

Cantzler, Adolf, and H. Krekeler Mannheim, Germany, assignors to Jasco Incorporated. Production of butadiene. 2,274,358; Feb. 24.

Carey, Jay William. (See Wesley, A., and Carey.)

Carew, Herman, assignor to Dixie-Vortex Company, Easton, Pa. Paper container and protector. 2,274,037; Feb. 24.

Carney, Clifford R., Detroit, Mich. Refrigerator shelf. 2,274,125; Feb. 24.

Carney, Elvin P., assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Making metal powder. 2,273,832; Feb. 24.

Carpenter, Carroll E., assignor to National Automotive Fibres, Inc., Detroit, Mich. Decorative upholstery panel. 2,273,833; Feb. 24.

Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Weight-removing pliers. 2,274,126; Feb. 24.

Carroll, Arthur F., assignor to Automatic Products Company, Milwaukee, Wis. Expansion valve. 2,274,127; Feb. 24.

Carter, William C., Fulton, Ky. Disk plow. 2,274,038; Feb. 24.

Casco Products Corporation. (See Cohen, Joseph H., assignor.)

Casco Products Corporation. (See Johnson, Arthur A., assignor.)

Cawley, Aloysius J., Pittston, Pa. Television. 2,274,039; Feb. 24.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celanese Corporation of America. (See Kaplan, Morris L., assignor.)

Celotex Corporation. (See Muench, Carl G., assignor.)

Ceroni, Leonardo, Moncalieri, near Turin, Italy. Opaque and slide projection apparatus. 2,273,936; Feb. 24.

Champion Spark Plug Company. (See Jeffery, Joseph A., assignor.)

Chance, Albert B., assignor to A. B. Chance Company, Centralia, Mo. Pole guying fixture. 2,274,528; Feb. 24.

Chandler, Daniel L., Salem, G. W. Ewing, Peabody, and F. H. Walker, Salem, assignors to Aresee Company, Inc., Salem, Mass. Window operating mechanism. 2,274,265; Feb. 24.

Chapman, Asa B., Evanston, Ill. Grating for coaling stations. 2,274,397; Feb. 24.

Chapman, Penrose E., Jr., St. Louis, Mo. Wire dereeling. 2,274,128; Feb. 24.

Chater, John A., Medina, assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Cotton duster. 2,274,359; Feb. 24.

Chellew, Walter J., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,273,817; Feb. 24.

Chemical Marketing Company Inc. (See Jaeger, G., and Rudert, assignors.)

Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company, New York, N. Y. Pencil lead. 2,273,935; Feb. 24.

Chesterman, Walter L., assignor to Albert E. Jurs, Berkeley, Calif., doing business as Shand & Jurs Company. Hatch construction. 2,274,319; Feb. 24.

Chicago Belting Company. (See Ekkebus, E. D., and Gallagher, assignors.)

Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)

Childers, Joseph L., and A. E. Parker, Dallas, Tex. Air flow control device. 2,273,818; Feb. 24.

Christian, Albert K. A. (See Morgan, B. T. and Christian.)

Christiansen, Andrew L., Willowbrook, Calif. Can packing machine. 2,274,606; Feb. 24.

Chrysler Corporation. (See Baker, Lee R., assignor.)

Chrysler Corporation. (See Fishburn, Otto E., assignor.)

Chrysler Corporation. (See Mulhern, William A., assignor)

Cities Service Oil Company. (See Morgan, J. D., and Sullivan, assignors.)

Clark Equipment Company. (See Williams, Alfred O., assignor.)

Clark, Philip B. (See Thompson, C. S., and Clark.)

Clayton, James O., B. B. Farrington, and R. L. Humphreys, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded mineral oil. 2,274,291; Feb. 24.

Clum, Henry Walter. (See Rousseau, R. E., and Clum.)

Coate, William Vernal, Greenville, Ohio. Traction lug. 2,273,937; Feb. 24.

Coats, Edward O., Warrensburg, Mo., assignor to The Do-All Products Company, Incorporated, Leavenworth, Kans. Machine for recovering carbon. 2,274,320; Feb. 24.

Cody, Clifford S., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid-translating apparatus. 2,274,338; Feb. 24.

Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 2,274,607; Feb. 24.

Cohen, Morris. (See Wohl, M., Cohen and Roitman.)

Collier, William L., Chicago, Ill., assignor to Remington Rand Inc., Buffalo, N. Y. Tabulator. 2,274,040; Feb. 24.

Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Jointer fence. 2,274,129; Feb. 24.

Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Sound film recording apparatus. 2,274,529; Feb. 24.

Collins, Milford Edwin, Los Angeles, Calif., assignor to Radio Corporation of America. Automatic light intensity control for sound apparatus. 2,274,530; Feb. 24.

Coltman, Douglas C. W. (See Cooke, E. A., Coltman, and Phillips.)

Columbus McKinnon Chain Corporation. (See Stahl, F. E., and Cotesworth, assignors.)

Columbus McKinnon Chain Corporation. (See Stinson, Karl W., assignor.)

Columbus McKinnon Chain Corporation. (See Stinson, Karl W., assignor.)

Columbus McKinnon Chain Corporation. (See Stinson, Karl W., assignor.)

Commercial Solvents Corporation. (See Hurd, Charles D., assignor.)

Commercial Solvents Corporation. (See Vanderbilt, Byron M., assignor.)

Comstock, George F., and V. V. Efimoff, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Powdered titanium metal. 2,273,834; Feb. 24.

Congleton, John, Jr., Dover, Ohio. Sheet roofing. 2,274,189; Feb. 24.

Conley, Fred A., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Picker for textile fibers. 2,274,360; Feb. 24.

Conmar Products Corporation. (See Franklin, Bernard S., assignor.)

Connecly, Earl M., Horseheads, N. Y. Universal nose grip for eyeglasses. 2,274,589; Feb. 24.

Cornell Machine Company, The. (See Cornell, Mead, assignor.)

Conrad, Tom J., El Segundo, Calif. Attachment plug. 2,274,398; Feb. 24.

Cook, George B., Summit, and J. V. Marancik, Roselle, N. J., assignor to Standard Oil Development Company. Fractionating plate construction. 2,274,041; Feb. 24.

Cook, John Mason, Arlington, Va. Suction conveying or feeding apparatus. 2,274,590; Feb. 24.

Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Starting switch. 2,274,399; Feb. 24.

Cooke, Allen B., Danville, Ill., assignor to United Autographic Register Co. Attachment for tabulating machines. 2,274,608; Feb. 24.

Cooke, Ernest A., D. C. W. Coltman, and A. C. Phillips, assignors to Kapella Limited, Leicester, England. Apparatus for electrically etching metallic articles. 2,273,819; Feb. 24.

Cooper, Joseph, New York, N. Y. Collapsible end leaf construction for tables. 2,274,531; Feb. 24.

Copeland, Palmer. (See Livesey, E., and Copeland.)

Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Apparatus for treating fluid materials. 2,273,835; Feb. 24.

Cosby, Eric L. H., London, England. Tooth and like brushes. 2,274,042; Feb. 24.

Cotesworth, Alfred. (See Stahl, F. E., and Cotesworth.)

Coursen, Donald H. (See Schelhammer, H. J., and Coursen.)

Cox, William P. (See Buckwalter, T. V., and Cox.)

Cramer, Harold F., Denver, Colo. Electrical meat cooker. 2,274,190; Feb. 24.

Cramer, William E. (See Orth, H. S., Oberst and Cramer.)

Crouse, J. Roberts. (See Gallinger, Milo O., assignor.)

Crown Cork & Seal Company. (See Newton, George W., assignor.)

Cushman, Leslie S., Riverside, Calif. Motorized bicycle. 2,274,043; Feb. 24.

Dach, Max, Flushing, N. Y. Safety fuel system for internal combustion engines. 2,274,532; Feb. 24.

Dale, Colin B., Oak Park, Ill., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Turntable speed governor. 2,273,938; Feb. 24.

Dale, Frank L., assignor to Mechanical Man, Inc., New York, N. Y. Automaton merchandising device. 2,273,836; Feb. 24.

Daley, Frank J. (See Peterson, V. W., and Daley.)

Dammers, John W., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Degreasing machine. 2,273,939; Feb. 24.

Daniel, Henri, New York, N. Y. Match book brace. 2,274,591; Feb. 24.

Darby, George M., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Flocculation. 2,274,361; Feb. 24.

Davies, Bedford D., Jamaica, N. Y. Faucet connector. 2,273,837; Feb. 24.

Davis, Carlton C., assignor to American Rock Wool Corporation, Wabash, Ind. Apparatus for spinning fibers. 2,274,130; Feb. 24.

Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,274,473; Feb. 24.

Davis, Gifford D. (See Rockwood, Earl L., assignor.)

Davis, Richard E., assignor to The Oilgear Company, Milwaukee, Wis. Broaching machine. 2,274,191; Feb. 24.

Dawson, Leo H., Washington, D. C. Photometer. 2,273,838; Feb. 24.

Dearborn, Ernest F., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance material and making the same. 2,274,592; Feb. 24.

Deaton, George H., Oak Park, Ill. Changeable letter sign. 2,274,192; Feb. 24.

De Boer, Kornelis. (See Holst, G., and de Boer.)

Degnon, Julia S., New York, N. Y. Article of apparel. 2,274,321; Feb. 24.

De Margitta, Michael J. N., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacture of photoflash lamps. 2,274,400; Feb. 24.

Denison, William E., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,274,044; Feb. 24.

De Port, Theophile, New Carlisle, and W. G. McNeill, Dayton, Ohio. Barrel cooling device. 2,273,839; Feb. 24.

Derman, Harry, Laurelton, Long Island, N. Y. Extensible luggage. 2,274,045; Feb. 24.

Derman, Harry, Laurelton, N. Y. Knockdown chest of drawers. 2,274,046; Feb. 24.

Derman, Harry, Laurelton, N. Y. Screen. 2,274,047; Feb. 24.

Derman, Harry, Laurelton, N. Y. Container, cabinet, and the like. 2,274,048; Feb. 24.

Derman, Harry, Laurelton, N. Y. Doorframe for collapsible closets. 2,274,533; Feb. 24.

Derman, Harry, Laurelton, N. Y. Collapsible cabinet. 2,274,534; Feb. 24.

Despois, Robert Ludovic, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Glucamine salts of amino-phenylstibonic acid. 2,274,593; Feb. 24.

Dever, Otto E., Huntington Park, Calif. Electric motor wheel. 2,273,840; Feb. 24.

Devereaux, William C., Detroit, Mich. Latch mechanism. 2,274,362; Feb. 24.

Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger unit. 2,274,233; Feb. 24.

Diamond Match Company. (See Brown, Hugo, assignor.)

Dimroth, Hermann, Heidelberg, and G. Graefinger, Ludwigshafen-on-the-Rhine, and H. Haussmann, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Addition products of amides of low molecular carboxylic acids and producing the same. 2,273,940; Feb. 24.

Ditto, Incorporated. (See Bergsten, Charles A., assignor.)

Ditto, Incorporated. (See Denison, William E., assignor.)

Divine Brothers Company. (See Benbow, Henry R., assignor.)

Dixie-Vortex Company. (See Carew, Herman, assignor.)

Dixon, John T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave system. 2,274,535; Feb. 24.

Do-All Products Company, The. (See Coats, Edward O., assignor.)

Doane, Harry C., Flint, Mich., and A. A. Bluemle, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Lighting system. 2,274,322; Feb. 24.

Dodds, Nugent, Washington, D. C. Copyholder. 2,273,841; Feb. 24.

Dodge, Wesley W., Oakland, Calif. Carrot counting machinery. 2,273,820; Feb. 24.

Donahew, Arthur L., Fort Belvoir, Va. Torque transmission device. 2,273,842; Feb. 24.

Donington, George, and E. H. Fox, assignors to Ruston & Hornsby Ltd., Lincoln, England. Apparatus for removing impurities from internal combustion engine exhaust gases. 2,274,594; Feb. 24.

Don Lee Broadcasting System. (See Lubcke, Harry R., assignor.)

Dorn, Walter, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Production of resistances. 2,273,941; Feb. 24.

Doppelt, Charles, Chicago, Ill. Portfolio, brief case, and the like. 2,274,536; Feb. 24.

Dorr Company, Inc., The. (See Darby, George M., assignor.)

Dorsch, Clarence V. (See Patrick, L. L., and Dosch.)

Dougherty, Wiley E., Skiatook, Okla. Strip shifting tongs. 2,273,843; Feb. 24.

Douglas Aircraft Company. (See Pavlecka, V. H., Rechton and Misfeldt, assignors.)

Dow Chemical Company, The. (See Irons, C., and Stoesser, assignors.)

Dow Chemical Company, The. (See Smith, F. B., and Moll, assignors.)

Downey, Clement Lee, Cincinnati, Ohio. Coin wrapper crimping machine. 2,273,942; Feb. 24.

Doyle, Lee P., Columbus, Ohio, assignor to The Traylor Vibrator Company. Vibratory conveyer or motor and controlling same. 2,273,912; Feb. 24.

Dreher, Elmer H., Rockville Centre, assignor to Remington Rand Inc., Buffalo, N. Y. Calculating machine. 2,274,049; Feb. 24.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Spindle carrier locking mechanism. 2,273,844; Feb. 24.

Drissner, Alfred E., W. J. Hogg, and K. W. Barkinen, assignors to The National Acme Company, Cleveland, Ohio. Indexable reversible chuck mechanism. 2,273,845; Feb. 24.

Dromgold, Frank A., Brisbane, Calif. Agitating and aerating means for flotation cells. 2,274,401; Feb. 24.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,274,402; Feb. 24.

Dunlop Rubber Company Limited. (See Rogerson, J., and Warren, assignors.)

Dunmire, Russell P., Shaker Heights, Ohio, assignor to The Buckeye Laboratories, Inc. Treating hydrocarbons. 2,273,846; Feb. 24.

Du Pont, E. I., de Nemours & Company. (See Benning, A. F., and Gottlieb, assignors.)

Du Pont, E. I., de Nemours & Company. (See Berry, Charles E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Fontana, M. G., Cantwell and Schwaab, Jr., assignors.)

Du Pont, E. I., de Nemours & Company. (See Goebel, Max T., and Walker, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gubelmann, Ivan, assignor.)

Du Pont, E. I., de Nemours & Company. (See Hawley, Charles W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Klein, David X., assignor.)

Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Peters, Franklin Traviss, assignor.)

Du Pont, E. I., de Nemours & Company. (See Smith, Francis H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Tanberg, Arthur P., assignor.)

Durable Mat Company. (See Bell, Harry W.)

Eagle Pencil Company, (See Chesler, Isidor, assignor.)

Eastman Kodak Company. (See Kenyon, W. O., Minsk, and Waugh, assignors.)

Easton and Burnham Machine Company. (See Kelley, Francis E., assignor.)

Easton and Burnham Machine Company. (See Kelley, Francis E., assignor.)

Eckel, Arthur F., Chicago, Ill. Collinear reflector. 2,273,847; Feb. 24.

Edberg, Elof O., Willmar, Minn. Fishhook coupling. 2,274,131; Feb. 24.

Edison General Electric Appliance Company. (See Sharp, John C., assignor.)

Edwards, Charles E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Marking machine. 2,274,595; Feb. 24.

Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel metering and timing governor for injection internal combustion engines. 2,274,609; Feb. 24.

Efimoff, Viatcheslav V. (See Comstock, G. F., and Efimoff.)

Ehlers, Leman, Manning, R. F. D., Iowa. Oil reclaiming apparatus. 2,274,132; Feb. 24.

Ehlert, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Fluid-cooled resistance. 2,274,537; Feb. 24.

Ehret, Anthony, Hillside, N. J., and H. J. Ferri, Port Richmond, Staten Island, assignors to The Lionel Corporation, New York, N. Y. Remote control system for toy electric railroads. 2,274,538; Feb. 24.

Ehrman, Joseph S., W. F. Williams, and N. L. Breslauer, assignors to Blue Star Knitting Company, Milwaukee, Wis. Infant's vest and method of constructing the same. 2,273,943; Feb. 24.

Ekkebus, Eloy D., Mount Prospect, and J. C. Gallagher, assignors to Chicago Belting Company, Chicago, Ill. Oil seal for moving parts. 2,274,234; Feb. 24.

Electric & Musical Industries Limited. (See Puleston, R., and Henderson, assignors.)

Electrical & Musical Industries Limited. (See Wright, William David, assignor.)

Electrolux Corporation. (See Lofgren, Gustaf Einar, assignor.)

Electrolux Corporation. (See Norrick, George W., assignor.)

Eliason, Edwin. (See Nielsen, A. J., and Eliason.)

Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Nitro-type ignition promotor for Diesel fuels. 2,274,629; Feb. 24.

Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Preparing nitrohydroxyhydrocarbons from hydrocarbons. 2,274,630; Feb. 24.

Ely, Frederick W., Weston, and N. Nazar, Boston, assignors to Waltham Watch Company, Waltham, Mass. Indicating device. 2,273,848; Feb. 24.

Emsco Derrick & Equipment Company. (See Smith, David M., and Fisher, assignors.)

Engel, James E. (See Goodwin, C. W., and Engel.)

English Steel Corporation Limited. (See Bailey, Richard W., assignor.)

Epstein, Albert K., and B. R. Harris, Chicago, Ill. Parasiticidal material. 2,273,849; Feb. 24.

Ericks, Walter P., Cocob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkoxy alkylol cyanamide compounds. 2,274,474; Feb. 24.

Escher Wyss Maschinenfabriken Aktiengesellschaft. (See Keller, Curt, assignor.)

Etwanik, Julius, Dusseldorf, Germany, assignor, by mesne assignments, to Arthur Burton, Houston, Tex. Apparatus for separating dust from flue gases. 2,274,050; Feb. 24.

Evans, Leland E., Oak Park, Ill. Slicer device. 2,274,193; Feb. 24.

Eversharp, Inc. (See Alexander, Frank C., assignor.)

Ewald, Philip, Sheffield, Ala. Specific gravity recording system. 2,273,850; Feb. 24.

Ewing, George W. (See Chandler, D. L., Ewing and Walker.)

Fairchild, Charles O., St. Albans, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Isosensitive regulator. 2,274,266; Feb. 24.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake equipment. 2,273,944; Feb. 24.

Farnsworth, Philo T., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Apparatus for and electron discharge control. 2,274,194; Feb. 24.

Farnsworth Television and Radio Corporation. (See Farnsworth, Philo T., assignor.)

Farrington, Bruce B. (See Clayton, J. O., Farrington and Humphreys.)

Farwell Ozmun Kirk & Co. (See Marzolf, George B., assignor.)

Fay, Horace B., and T. H., Willoughby, Ohio. Slotted ironing table top. 2,273,851; Feb. 24.

Fay, Horace B., and T. H., Willoughby, assignors to Gridiron Steel Company, Cleveland, Ohio. Ironing table top. 2,274,598; Feb. 24.

Fay, Thomas H. (See Fay, Horace B., and T. H.)

Feder, Max, New York, N. Y. Toy for blowing bubbles. 2,274,052; Feb. 24.

Feltman, Harry C., assignor of thirty-five per cent to W. Tannenbaum, fifty per cent to Richard Landauer, and fifteen per cent to H. J. Stern, Los Angeles, Calif. Tag dispenser. 2,274,051; Feb. 24.

Fergueson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hand brake lever assembly. 2,274,133; Feb. 24.

Fergueson, Arthur P., and G. W. Schatzman, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield construction. 2,274,134; Feb. 24.

Ferreira, Charles W., Miami, assignor to Pan-American Laboratories, Inc., Coral Gables, Fla. Gas generator. 2,273,852; Feb. 24.

Ferri, Henry J. (See Ehret, A., and Ferri.)

Ferry, John T., Ilion, assignor to Remington Rand, Inc., Buffalo, N. Y. Tabulating machine. 2,274,053; Feb. 24.

Ficcio, Valentino, Tampa, Fla. Tailor's square and drafting patterns. 2,274,054; Feb. 24.

Fichter, Ludwig J., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Indicator. 2,273,946; Feb. 24.

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Ruska, Ernst, assignor.)

Filkins, Arthur J., Chicago, Ill. Chimney. 2,274,403; Feb. 24.

Fink, Louis R., Santa Rita, Mont. Fishing plug. 2,274,596; Feb. 24.

Fischbein, David, Minneapolis, Minn. Clutch and brake mechanism. 2,273,947; Feb. 24.

Fischer, Albert M., Chicago, Ill., assignor to Rotary Extractor Corporation, Long Island City, N. Y. Brewing. 2,273,853; Feb. 24.

Fischer, Franz, Berlin-Wilmersdorf, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Rate of turn gyroscope. 2,274,443; Feb. 24.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission rail lock. 2,274,539; Feb. 24.

Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way speech transmission. 2,273,945; Feb. 24.

Fisher, Harry P., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Sealing gasket. 2,274,323; Feb. 24.

Fisher, Harry P., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Seal. 2,274,324; Feb. 24.

Fisher, William H. (See Smith, David M., and Fisher.)

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio. Device for positioning containers on vehicles. 2,273,854; Feb. 24.

Fitzpatrick, Ray, East Palestine, Ohio. Cable strain clamp. 2,274,055; Feb. 24.

Flaherty, Harold J., Saugus, Mass., assignor to General Electric Company. Latch for luminaires. 2,274,404; Feb. 24.

Flaherty, Harold J., Saugus, Mass., assignor to General Electric Company. Luminaire. 2,274,405; Feb. 24.

Focke, Theodore B., and H. B. Townley, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Closure for the handhole of burner bowls. 2,274,475; Feb. 24.

Fontana, Marsello Guido, Kenmore, N. Y., and G. R. Cantwell, and P. G. Schwaab, Jr., Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Erosion-corrosion testing device. 2,274,541; Feb. 24.

Food Machinery Corporation. (See Carrigan, Tracy, assignor.)

Ford, Everett P., assignor of one-half to L. H. Garrison, San Francisco, Calif. Sandwich cooker. 2,274,325; Feb. 24.

Forslund, Oscar W., and W. Heyn, assignors to Rock-Ola Manufacturing Corporation, Chicago, Ill. Dispensing apparatus. 2,273,948; Feb. 24.

Foster, Warren D., Washington Township, Bergen County, N. J., and F. D. Sweet, New York, N. Y., assignors to Kinatome Patents Corporation, Ridgewood, N. J. Film handling and sound apparatus and control thereof. 2,273,855; Feb. 24.

Foulds, Robinson Percy, and W. H. Roscoe, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Treating cellulosic materials. 2,274,363; Feb. 24.

Fox, Ernest Henry. (See Donington, G., and Fox.)

Frank, William H., and J. A. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,274,135; Feb. 24.

Frank, William H., and A. S. Bassette, assignors to Bulldog Electric Products Company, Detroit, Mich. Continuous outlet construction. 2,274,136; Feb. 24.

Franklin, Bernard S., New York, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J. Locking slider for slide fasteners. 2,274,540; Feb. 24.

Frauenthal, Harold, South Bend, Ind., and S. R. Thomas, Lyons, Mich., assignors to Bantam Bearings Corporation, South Bend, Ind. Bearing assembly. 2,274,137; Feb. 24.

Freed, Simon, Chicago, Ill. Lighting fixture. 2,274,444; Feb. 24.

Freeman, Michael W., Detroit, Mich. Sound control. 2,274,599; Feb. 24.

Frenne, Nils Gustaf Hezekiel. (See Sklenar, Ignac, assignor.)

Freydberg Bros.-Strauss, Inc. (See Hawkins, William H., assignor.)

Freygang, Walter H., Essex Fells, assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid control device. 2,273,856; Feb. 24.

Friden Calculating Machine Co. (See Friden, Carl M. F., assignor.)

Friden, Carl M. F., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,273,857; Feb. 24.

Fritz, Walter E. (See Goldthwait, C. E., and Fritz.)

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Fuel Refining Corporation. (See Otto, Carl, assignor.)

Fuller, Everett W. (See Hamilton, L. A., and Fuller.)

Galanot, Camille P., Cleveland, Ohio, and J. A. Watson, Jr., Silver Spring, Md. Traction device for motor vehicles. 2,273,949; Feb. 24.

Galanot, Camille P., Alliance, Ohio, and J. A. Watson, Jr., Silver Spring, Md. Traction device. 2,273,950; Feb. 24.

Gallagher, John C. (See Ekkebus, E. D., and Gallagher.)

Gallinger, Milo O., Hartland, Mich., assignor to J. Roberts Crouse, Cleveland Heights, Ohio. Hand loom. 2,274,326; Feb. 24.

Gandillon, Percy D., Gainesville, Tex. Extension bracket. 2,274,235; Feb. 24.

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Voltage regulator circuit. 2,274,364; Feb. 24.

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Voltage regulator circuit. 2,274,365; Feb. 24.

Garlock Packing Company, The. (See Hubbard, Cecil R., assignor.)

Garrison, George H., Delphi, Ind. Firearm. 2,274,195; Feb. 24.

Garrison, Lloyd H. (See Ford, Everett P., assignor.)

Gar Wood Industries, Inc. (See Barrett, Edward R., assignor.)

Gar Wood Industries, Inc. (See Buran, L. F., and Schaeffer, assignors.)

Gates, George W., & Co. Inc. (See Koch, E. L., and Hallihan, assignors.)

Gates Rubber Company, The. (See Yelm, Charles W., assignor.)

Gear Grinding Machine Company. (See Gruenberg, Ivor J., assignor.)

Geiger, George F., Radburn, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Extruded anode. 2,274,056; Feb. 24.

General Aniline & Film Corporation. (See Dimroth, H., Graefinger, and Haussmann, assignors.)

General Aniline & Film Corporation. (See Meiser, Wilhelm, assignor.)

General Aniline & Film Corporation. (See Miller, A., and Schnitzler, assignors.)

General Aniline & Film Corporation. (See Sanders, George E., assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Beggs, James E., assignor.)

General Electric Company. (See Bryant, F. D., and Young, assignors.)

General Electric Company. (See Cook, Leonard W., assignor.)

General Electric Company. (See Dunham, George W., assignor.)

General Electric Company. (See Flaherty, Harold J., assignor.)

General Electric Company. (See Gardiner, Paul C., assignor.)

General Electric Company. (See Hansen, Siegfried, assignor.)

General Electric Company. (See Harbison, George C., assignor.)

General Electric Company. (See Harlow, Winton G., assignor.)

General Electric Company. (See Janssen, William H., assignor.)

General Electric Company. (See Jewell, Richard G., assignor.)

General Electric Company. (See Mahoney, B. W., and Reed, assignors.)

General Electric Company. (See Ogden, Harold S., assignor.)

General Electric Company. (See Richardson, Lycurgus W., assignor.)

General Electric Company. (See Thumin, Carl, assignor.)

General Electric Company. (See Weeks, Walter R., assignor.)

General Electric Company. (See Wood, Alexander P., assignor.)

General Motors Corporation. (See Arthur, James L., assignor.)

General Motors Corporation. (See Bain, George, assignor.)

General Motors Corporation. (See Biederman, Edward G., assignor.)

General Motors Corporation. (See Brian, William S., assignor.)

General Motors Corporation. (See Doane, H. C., and Bluemle, assignors.)

General Motors Corporation. (See Fichter, Ludwig J., assignor.)

General Motors Corporation. (See Gibb, Robert M., assignor.)

General Motors Corporation. (See Karmazin, John, assignor.)

General Motors Corporation. (See Rabezzana, Hector, assignor.)

General Motors Corporation. (See Randolph, D. W., and Bigler, assignors.)

General Motors Corporation. (See Ross, Oscar A., assignor.)

General Motors Corporation. (See Schiff, Robert, assignor.)

General Motors Corporation. (See Swayze, C., Schwarz, and Henry, assignors.)

General Motors Corporation. (See Werner, Calvin J., assignor.)

General Refineries, Inc. (See Brace, Charles H., assignor.)

General Tire & Rubber Company, The. (See Fisher, Harry P., assignor.)

Gentil, Henri L., Paris, France, assignor to Alloy Processes Limited, London, England. Furnace for the reduction of metals. 2,274,597; Feb. 24.

Georgiev, Alexander M., W. G. Pontis, and P. E. Koehly, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Condenser construction. 2,274,327; Feb. 24.

Gerlicher, Robert A., Baton Rouge, La., assignor to Standard Oil Development Company. Oxidation of aliphatic hydrocarbons. 2,274,057; Feb. 24.

Gerstenberger, Lloyd A., Galesburg, Ill. Electric illuminating device. 2,274,138; Feb. 24.

Gesek, Walter C., Buffalo, N. Y. Smoking device. 2,273,858; Feb. 24.

Gibb, Robert M., assignor to General Motors Corporation, Detroit, Mich. Combined fog and driving light. 2,273,951; Feb. 24.

Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)

Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Transparent container. 2,274,196; Feb. 24.

Girling, Albert H. G. (See Pratt, J. H., Manley, and Girling.)

Gleason Works. (See Stewart, Arthur L., assignor.)

Godfrey, Edwin H., Wenonah, assignor to Godfrey Manufacturing Corporation, New Brunswick, N. J. Sleeve valve internal combustion engine. 2,274,197; Feb. 24.

Godfrey Manufacturing Corporation. (See Godfrey, Edwin H., assignor.)

Goebel, Max T., and I. F. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Long-chain alkyl ammonium metallonitrites and process for their manufacture. 2,274,058; Feb. 24.

Goldman, David B. (See Mituiski, Frank E., assignor.)

Goldthwait, Carl E., and W. F. Fritz, Melrose, assignors to Moulton Ladder Manufacturing Co., Somerville, Mass. Clothesline reel. 2,274,139; Feb. 24.

Gommels, Elmer, Manson, Iowa, assignor to Allover Manufacturing Company, Racine, Wis. Calf weaner. 2,274,406; Feb. 24.

Goodrich, B. F., Company, The. (See Hendrix, Ray O., assignor.)

Goodrich, B. F., Company. (See Japs, Archie B., assignor.)

Goodwin, George R., assignor to Royal Electric Company, Incorporated, Pawtucket, R. I. Delayed action and indicating electric fuse. 2,274,059; Feb. 24.

Goodwin, Carl W., Plainfield, N. J., and J. E. Engel, Tottenville, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Apparatus for wax treating paper disks and the like. 2,274,610; Feb. 24.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyeletting machine. 2,274,140; Feb. 24.

Gorman, Andrew T., Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake release control means. 2,273,952; Feb. 24.

Gorman, Andrew T., Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system charging means. 2,273,953; Feb. 24.

Gottlieb, Hans B. (See Benning, A. F., and Gottlieb.)

Gould, Robert E., Eden, N. Y. Making ceramic articles. 2,273,859; Feb. 24.

Graefinger, Gerhard. (See Dimroth, H., Graefinger, and Haussman.)

Granett, Philip, New Brunswick, N. J., assignor to National Carbon Company, Inc. Insect repellent. 2,273,860; Feb. 24.

Granett, Philip, New Brunswick, N. J., assignor to National Carbon Company, Inc. Insect repellent. 2,274,267; Feb. 24.

Grass, John E., Atherton, Calif. Drill jig. 2,273,954; Feb. 24.

Green, Edgar B., Washington, D. C. Screw driver. 2,273,861; Feb. 24.

Greer, Agnes J. R. (See Nyberg, Stone, assignor.)

Greer, Millard M., Carnegie, assignor to Edwin L. Wiegand, Pittsburgh, Pa. Heating means. 2,274,445; Feb. 24.

Gridiron Steel Company. (See Fay, Horace B., and T. H., assignors.)

Griffiths, William J., Glen Rock, N. J., assignor to Holland Mfg. Co., New York, N. Y. Reed-forming device. 2,274,542; Feb. 24.

Grimditch, William H., Rydal, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Loop antenna. 2,273,955; Feb. 24.

Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)

Griscom-Russell Company, The. (See Ris, Kenneth B., assignor.)

Gruenberg, Ivor J., Ferndale, assignor to Gear Grinding Machine Company, Hamtramk, Mich. Trimming mechanism for grinder wheels. 2,274,543; Feb. 24.

Gubelmann, Ivan, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing of textile fabrics. 2,274,544; Feb. 24.

Guertin, Louis C., Worcester, Mass. Safety razor. 2,274,141; Feb. 24.

Guinot, Henri M., Niort, Deux-Sevres, assignor to Les Usines de Melle, Melle, Deux-Sevres, France, a joint-stock company of France. Olefin polymerization. 2,274,328; Feb. 24.

Gunther, Philipp. (See John, W., and Gunther.)

H and H Research Company. (See Hoover, Edward M., assignor.)

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Uncurling guide for sewing machines. 2,274,198; Feb. 24.

Haines, John E. (See Miller, Leo B., McGrath and Haines.)

Hall, Thomas W., Torrington, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Micrometer indicator for measuring machines. 2,273,956; Feb. 24.

Hallihan, Edward B. (See Koch, E. L., and Hallihan.)

Hamilton, Lyle A., Wenonah, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Stabilized viscous mineral oil composition. 2,273,862; Feb. 24.

Hammer, Otto, assignor to Security Engineering Co., Inc., Whittier, Calif. Producing from spaced oil sands one of which requires pumping. 2,274,407; Feb. 24.

Hammond, Charles W. (See Repsher, L. E., and Hammond.)

Hammond, Elmer H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Multiple switch indicating instrument. 2,274,329; Feb. 24.

Hammond, Laurence P., Spangler, Pa. Safety cable reel. 2,274,330; Feb. 24.

Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,274,199; Feb. 24.

Hampton, Leon N., New York, N. Y., and A. H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrically heated tool. 2,274,408; Feb. 24.

Hanes, P. H., Knitting Company. (See Hanes, Spencer B., assignor.)

Hanes, Spencer Booe, assignor to P. H. Hanes Knitting Company, Winston-Salem, Mass. Tubular knit fabric singeing machine. 2,274,600; Feb. 24.

Hannifin Manufacturing Company. (See Peterson, V. W., and Daley, assignors.)

Hansen, Siegfried, Schenectady, N. Y., assignor to General Electric Company. Television scanning. 2,274,366; Feb. 24.

Harbison, George C., Erie, Pa., assignor to General Electric Company. Liquid dispensing apparatus. 2,274,409; Feb. 24.

Harlow, Winton G., Springfield, Pa., assignor to General Electric Company. Electric switch. 2,274,410; Feb. 24.

Harrell, John W., Cincinnati, Ohio. Turbulence manifold. 2,273,957; Feb. 24.

Harrington, Ferris T. (See Herman, K. R., Harrington, and Twyman.)

Harris, Benjamin R. (See Epstein, A. K., and Harris.)

Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Mold and mold making method. 2,274,060; Feb. 24.

Hartford National Bank and Trust Company. (See Holst, G., and de Boer, assignors.)

Hartgering, John M., and C. M. Perkins, assignors to Palmer-Bee Company, Detroit, Mich. Oil well pumping unit. 2,274,601; Feb. 24.

Haussmann, Hans. (See Dimroth, H., Graefinger, and Haussmann.)

Hawkins, William H., Stamford, Conn., assignor to Freydberg Bros.-Strauss, Inc., New York, N. Y. Tape dispenser. 2,274,623; Feb. 24.

Hawley, Charles W., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esterification process. 2,274,061; Feb. 24.

Hays, B. D., assignor of one-half to J. R. Long, Fort Worth, Tex. Differential pressure unit. 2,274,062; Feb. 24.

Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe-shaping machine. 2,274,063; Feb. 24.

Heald, Dana C., assignor to Whitin Machine Works, Whitinsville, Mass. Bunch builder. 2,274,446; Feb. 24.

Heat Transfer Products, Inc. (See Jacocks, George T., assignor.)

Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Insecticide and moth larvae repellent. 2,274,476; Feb. 24.

Henderson, John R., III, and W. B. Jenkins, Jr., Fredericksburg, Va. Dispensing device. 2,274,238; Feb. 24.

Henderson, Stanley T. (See Puleston, R., and Henderson.)

Hendrix, Ray O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preservation of semihard rubber compositions. 2,274,602; Feb. 24.

Henry, Millard M. (See Swayze, C., Schwarz, and Henry.)

Hercik, Lad L., Lakewood, assignor to The Hill Acme Company, Cleveland, Ohio. Apparatus for controlling traveling webs. 2,274,268; Feb. 24.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Brown, Robert L., assignor.)

Hercules Powder Company. (See Medl, Robert C., Jr., assignor.)

Hercules Powder Company. (See Ott, Emil, assignor.)

Herman, Kenneth R., F. T. Harrington, and L. R. Twyman, assignors to Vickers, Incorporated, Detroit, Mich. Hydraulic feed control panel. 2,274,603; Feb. 24.

Herzig, Leonard A., Jackson Heights, assignor to Lon-Ga-Tone, Inc., New York, N. Y. Sound record. 2,273,863; Feb. 24.

Heyn, William. (See Forslund, O. W., and Heyn.)

Hiley, Gies W., Smithboro, N. Y., deceased, Goldie E. Hiley, administratrix. Valve lifter. 2,274,604; Feb. 24.

Hiley, Goldie E., as administratrix. (See Hiley, Gies W., assignor.)

Hill Acme Company, The. (See Hercik, Lad L., assignor.)

Hill, Edward J., Detroit, Mich. Anticavitation hydrofoil. 2,274,200; Feb. 24.

Hill, Walter J., Long Island City, and H. F. Stover, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire supporting and joining fixture. 2,274,411; Feb. 24.

Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Method of preparing free aliphatic bases. 2,274,412; Feb. 24.

Hiller, Nicolai H., Jr., Bronxville, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Refrigerating system. 2,274,292; Feb. 24.

Hinson, Jay B. (See Smeby, Adolph H., assignor.)

Hodgins, Theodore S., Royal Oak, and A. G. Hovey, Birmingham, assignors to Reichold Chemicals, Inc., Detroit, Mich. Catalytic conversion of urea-formaldehyde resins. 2,274,447; Feb. 24.

Hoecker, Frank E. (See Asher, G., and Hoecker.)

Hoffmeister, Roy, Philadelphia, Pa. Gripping pad for handles. 2,274,605; Feb. 24.

Hogg, William J. (See Drissner, A. E., Hogg, and Barkinen.)

Hoke, Harry A., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Built-up wheel. 2,274,545; Feb. 24.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas filled discharge device. 2,273,958; Feb. 24.

Holland Mfg. Co. (See Griffiths, William J., assignor.)

Holst, Gilles, and K. de Boer, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stereophonic sound recording and reproduction. 2,273,866; Feb. 24.

Holzer, Henry U., Boston, Mass. Container. 2,273,959; Feb. 24.

Hoover, Edward M., Anderson, Ind., assignor to H and H Research Company, Detroit, Mich. Motor driven hand tool. 2,274,448; Feb. 24.

Hopkin, Alfred Jr., Philadelphia, Pa. Fluorescent lamp. 2,273,960; Feb. 24.

Hopkins, Eugene E., Chicago, Ill. Mold. 2,274,236; Feb. 24.

Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Paper feed for wrapping machines. 2,273,961; Feb. 24.

Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive rod bearing seal. 2,274,201; Feb. 24.

Horton, Erwin C., assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system for motor vehicles. 2,274,293; Feb. 24.

Horton, Erwin C., Hamburg assignor to Trico Products Corporation, Buffalo, N. Y. Window cleaning system. 2,274,294; Feb. 24.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Flexible transmission. 2,274,295; Feb. 24.

Houchin, Lowell L., assignor to The Revalens Co., Columbus, Ohio. Multifocal ophthalmic lens. 2,274,142; Feb. 24.

Houchin, Lowell L., assignor to The Revalens Co., Columbus, Ohio. Multifocal ophthalmic lens. 2,274,143; Feb. 24.

Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)

Houdaille Hershey Corporation. (See Fergueson, A. P., and Schatzman, assignors.)

Houde Engineering Corporation. (See (Magrum, G. M., assignor) and Salisbury.)

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Reactivation of hydrogenating catalysts. 2,273,864; Feb. 24.

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for catalysis and the use thereof. 2,273,865; Feb. 24.

Houdry Process Corporation. (See Bates, John R., assignor.)

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Hovey, Almon G. (See Hodgins, T. S., and Hovey.)

Howard, James H., and J. H. McEvoy, assignors to McEvoy Company, Houston, Tex. Tubing hanger. 2,274,477; Feb. 24.

Howard, Frank A., and E. B. Peck, Elizabeth, N. J., assignors to Standard Catalytic Company. Preparation of carbon monoxid-hydrogen gas mixtures for hydrogenation. 2,274,064; Feb. 24.

Howell, Charles A., Chicago, Ill., assignor to The Pharma-Craft Corporation, Incorporated, Louisville, Ky. Display carton. 2,274,253; Feb. 24.

Howes, Warren L., Tiger, Ariz. Tube mill lining. 2,274,331; Feb. 24.

Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 2,273,962; Feb. 24.

Hugenholtz, Eduard H., Hilversum, Netherlands, assignor to Radio Corporation of America. Radio compass. 2,274,546; Feb. 24.

Hughes, Robert H. S., Baltimore, Md. Recoil device. 2,274,239; Feb. 24.

Hughes, Kenneth M., Forest Hills, and R. Overholt, Jr., Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical transformer. 2,274,296; Feb. 24.

Hull, Robert W., and J. C. Moore, assignors, by mesne assignments, to Rex Manufacturing Company, Connersville, Ind. Bottle cooler. 2,274,065; Feb. 24.

Humphreys, Robert L. (See Clayton, J. O., Farrington and Humphreys.)

Hurd, Charles D., Evanston, Ill., assignor to Commercial Solvents Corporation, New York, N. Y. Production of chloroisoprene. 2,274,611; Feb. 24.

Hurleman, Walter. (See Weightman, W. A., and Hurleman.)

Huth, Thelma Evelyn Mary, Los Angeles, Calif., assignor to Joe Lowe Corporation, New York, N. Y. Apparatus for manufacturing frozen confections. 2,274,478; Feb. 24.

Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)

Ilseman, Frederick W., Aurora, Ill. Electrical connector for articulated trucks. 2,274,144; Feb. 24.

Inderdohnen, John F., Milwaukee, Wis., and A. Noble, Naugutack, assignors to The Bristol Company, Waterbury, Conn. Device for measuring fluid pressures. 2,274,479; Feb. 24.

Industrial Brownhoist Corporation. (See Taylor, Ernest W., assignor.)

Industrial Ceramic Products, Inc. (See Orth, H. S., Oberst, and Cramer, assignors.)

Ingersoll Milling Machine Company, The. (See Kampmeier, F. J., and Bowen, assignors.)

Ingerson, William E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for making solder connections. 2,274,413; Feb. 24.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Age resisting rubber composition. 2,274,367; Feb. 24.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber and product obtained thereby. 2,274,368; Feb. 24.

International Nickel Company, The. (See Geiger, George F., assignor.)

International Paper Box Machine Company, The. (See La Bombard, Leon E., assignor.)

International Shoe Company. (See Mann, Gordon, assignor.)

International Nickel Company. (See Wesley, A., and Carey, assignors.)

Irons, Carroll, and Sylvia M. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Treating earth and rock formations. 2,274,297; Feb. 24.

Jackson, Clarence S., assignor to Peters Bros. Rubber Co., Inc., Brooklyn, N. Y. Closure for bottles, etc. 2,273,867; Feb. 24.

Jackson, Joseph H., Clanton, Ala. Insect trap. 2,274,547; Feb. 24.

Jacobsen Manufacturing Company. (See Krenzke, William F., assignor.)

Jacocks, George T., New Rochelle, assignor to Heat Transfer Products Inc., New York, N. Y. Self-scaling tube. 2,274,066; Feb. 24.

Jaeger, Gustav, Neu-Isenburg, and A. Rudert, Heilbronn, Neckar, Germany, assignors to Chemical Marketing Company Inc., New York, N. Y. Removal of metallic magnesium from mixtures of beryllium and magnesium. 2,274,237; Feb. 24.

James, Ralph E. H., Chicago, Ill. Disposing of fly ash. 2,274,414; Feb. 24.

Janeway, Robert N., Detroit, Mich., assignor, by mesne assignments to Railroad Rolling Stock Patents Corporation. Railway vehicle. 2,274,483; Feb. 24.

Janeway, Robert N., Detroit, Mich., assignor, by mesne assignments to Railroad Rolling Stock Patents Corporation. Railway vehicle. 2,274,484; Feb. 24.

Janssen, Richard H., Columbus, Ohio. Color mixing device. 2,274,485; Feb. 24.

Janssen, William H., Schenectady, N. Y., assignor to General Electric Company. Electrical control system. 2,274,369; Feb. 24.

Japs, Archie B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polyvinyl halide. 2,274,555; Feb. 24.

Jarrett, Tracy C., Southbridge, Mass. Lapping or polishing machine. 2,274,332; Feb. 24.

Jasco Incorporated. (See Beller, H., and Owen, assignors.)

Jasco Incorporated. (See Cantzler, A., and Krekeler, assignors.)

Jeffery, Joseph A., Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Spark plug insulator. 2,274,067; Feb. 24.

Jellinek, Markus, Larchmont, N. Y. Jewelry attachment. 2,274,269; Feb. 24.

Jenkins, William B., Jr. (See Henderson, J. R., III, and Jenkins, Jr.)

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Motor for food mixers and the like. 2,274,480; Feb. 24.

Jereczek, Viktor, Weissensee, near Berlin, Germany. Switching device, especially for machine tools. 2,273,963; Feb. 24.

Jewell, Richard G., Lynn, Mass., assignor to General Electric Company. Telemetering system. 2,274,415; Feb. 24.

John, Walter, Gottingen, and P. Günther, Kassel, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Chromones and process for producing same. 2,274,449; Feb. 24.

Johnson, Arthur A. (See Swan, Willis A., assignor.)

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Electric cigar lighter. 2,274,068; Feb. 24.

Johnson, Arthur A., assignor to Casco Products Corporation. Bridgeport, Conn. Steering wheel attachment. 2,274,069; Feb. 24.

Johnson, Bennie R., Scarville, Iowa, and G. C. Wittman, Kiester, Minn. Cornhusking machine. 2,274,548; Feb. 24.

Johnson, C. H., and Sons Limited. (See Parrett, Henry H., assigor.)

Johnson, Corydon M., Freeport, N. Y. Temporary fastener. 2,274,549; Feb. 24.

Johnson, Roy W., Milwaukee, Wis. Temperature compensating metering valve. 2,274,145; Feb. 24.

Johnston, Harold S., New Kensington, Pa. Reflector and fixture. 2,274,612; Feb. 24.
Johnston, Howard M., assignor to Massey-Harris Company, Ltd., Toronto, Ontario, Canada. Grain grinder. 2,273,868; Feb. 24.
Johnston, Howard M., assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada. Manure spreader. 2,274,481; Feb. 24.
Jones, Stanley G., Chicago, Ill. Foundation garment. 2,274,202; Feb. 24.
Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener device. 2,274,482; Feb. 24.
Jovan Laboratories, Inc. (See Snyder, Eric G., assignor.)
Joy, Bertram C. (See Simms, F. R., and Joy.)
Julien, Maurice F. A., Paris, France. Resilient support. 2,273,869; Feb. 24.
Junge, Glen E., Fort Scott, Kans. Bread chip process. 2,274,416; Feb. 24.
Junkers & Co. G. m. b. H. (See Weber, Friedrich, assignor.)
Jurs, Albert E. (See Chesterman, Walter L., assignor.)
Kalb, Aron, Astoria, Long Island, N. Y. Garment. 2,274,270; Feb. 24.
Kalbach, Raymond B., Philadelphia, Pa. Chin strap. 2,273,904; Feb. 24.
Kammer, George S., Middleton, near Ilkley, England. Driving mechanism for sleeve valves. 2,274,333; Feb. 24.
Kammerer, Fred W., New York, N. Y. Door saddle. 2,273,877; Feb. 24.
Kampmeier, Frederick J., and E. M. Bowen, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,273,870; Feb. 24.
Kapella Limited. (See Cooke, E. A., Coltman, and Phillips, assignors.)
Kaplan, Morris L., Hazleton, Pa., assignor, by mesne assignments, to Celanese Corporation of America. Making collars. 2,273,965; Feb. 24.
Karmazin, John, Grosse Ile, assignor to General Motors Corporation, Detroit, Mich. Making rifled extruded tubes. 2,274,550; Feb. 24.
Katcher, Morris, New York, N. Y. Joint assembly for shock absorbers and the like. 2,274,417; Feb. 24.
Katcher, Morris, New York, N. Y. Steering knuckle joint. 2,274,418; Feb. 24.
Katcher, Morris, New York, N. Y. Thrust ball bearing. 2,274,419; Feb. 24.
Katcher, Morris, New York, N. Y. Knuckle joint. 2,274,420; Feb. 24.
Kauders, Vilém, Prague, Czechoslovakia. Short-circuited winding for induction machines. 2,274,070; Feb. 24.
Keller, Curt, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Variable-pitch propeller. 2,274,334; Feb. 24.
Kelley, Francis E., Providence, R. I., assignor to Easton and Burnham Machine Company. Spindle mounting. 2,274,146; Feb. 24.
Kelley, Francis E., Providence, R. I., assignor to Easton and Burnham Machine Company. Motor pot spindle. 2,274,147; Feb. 24.
Kelley, Walter F., Whitestone, assignor to Remington Rand, Inc., Buffalo, N. Y. Interconnection system. 2,274,071; Feb. 24.
Kennedy, Bert, Johnstown, N. Y. Mitten. 2,274,335; Feb. 24.
Kent, Earle L., Chicago, Ill. Method and apparatus for producing musical sounds. 2,274,370; Feb. 24.
Kenyon, William O., L. M. Minsk, and G. P. Waugh, assignors to Eastman Kodak Company, Rochester, N. Y. Derivatives of resins and their preparation. 2,274,551; Feb. 24.
Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Filing equipment. 2,274,203; Feb. 24.
Kersting, Albert H., deceased, Los Angeles, Calif., N. F. Kersting, executrix. Spring steel heating, severing, and forming machine. 2,274,072; Feb. 24.
Kersting, Nelle F., as executrix. (See Kersting, Albert H.)
Kevorkian, Arthur G. (See Balls, A. K., Kevorkian, and Arana.)
Keyes Fibre Company. (See Sawyer, Edward E., assignor.)
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kinatome Patents Corporation. (See Foster, W. D., and Sweet, assignors.)
Kingsland, Oliver D., Rochester, N. Y. Safety latch for sliding closures. 2,274,552; Feb. 24.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Double silicates of zirconium and method of making same. 2,273,871; Feb. 24.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Double silicates of zirconium and method of making same. 2,273,872; Feb. 24.
Kipper, Herman B., Accord, Mass. Selective oxidation or dehydrogenation of petroleum hydrocarbons. 2,274,204; Feb. 24.
Kirchner, George J. (See Bannister, B., and Kirchner.)
Kirkendall, Willard. (See Bartel, R., and Kirkendall.)
Klein, David X., Silverside Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 1-amino-5-nitro-anthraquinone. 2,273,966; Feb. 24.
Klein, Edward F., assignor to Raritan Bay-Holding Company, Perth Amboy, N. J. Adhesive surgical dressing and method of applying the same. 2,273,873; Feb. 24.
Klinke, Frank E., Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Stand for work tables. 2,274,553; Feb. 24.
Knabe, Richard. (See Burkhardt, A., and Knabe.)
Koch, Edward L., Williston Park, and E. B. Hallihan, Brooklyn, assignors to George W. Gates & Co., Inc., New York, N. Y. Portable sterilizing unit. 2,274,298; Feb. 24.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Piezoelectric resonator circuit. 2,274,488; Feb. 24.
Koehly, Paul F. (See Georgiev, A. M., Pontis, and Koehly.)
Kraft Cheese Company. (See Palmer, Frank D., assignor.)
Krekeler, Hans. (See Cantzler, and Krekeler.)
Krenzke, William F., assignor to Jacobsen Manufacturing Company, Racine, Wis. Transport truck for lawn mowers. 2,274,487; Feb. 24.
Kress, Joseph J., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributor. 2,274,450; Feb. 24.
Krim, Norman B., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Electrical space discharge tube. 2,274,554; Feb. 24.
Kucera, Henry T., Oak Park, Ill. Temperature control apparatus. 2,274,371; Feb. 24.
Kucera, Peter. (See Stewart, Andrew H., and Kucera.)
Kunz, John. (See Sinkovitz, J., and Kunz.)
Kutscher, Michael W., Chicago, Ill. Sales promotional check. 2,274,488; Feb. 24.
Kyle, John Vernon, assignor to Atlanta Concrete Pipe Company, Atlanta, Ga. Receptacle for garbage cans. 2,274,451; Feb. 24.
L. S. D., Inc. (See Yochem, Donald E., assignor.)
L'Abee-Lund Aktieselskab. (See L'Abée-Lund, Johan H., assignor.)
L'Abée-Lund, Johan H., assignor to L'Abée-Lund Aktieselskab, Oslo, Norway. Compass. 2,274,073; Feb. 24.
La Bombard, Leon E., assignor to The International Paper Box Machine Company, Nashua, N. H. Delivery machine for blanks and the like. 2,274,075; Feb. 24.
Ladd, Lester L., Lockport, Ill. Suspended arch for furnaces. 2,274,240; Feb. 24.
Lammers, Edwin S., Jr., Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system for refrigerating apparatus. 2,274,336; Feb. 24.
Landauer, Richard, et al. (See Feltman, Harry C., assignor.)
La Plant-Choate Manufacturing Co. (See Austin, Ellsworth W., assignor.)
Laport, Edmund A., Quebec, Quebec, Canada, assignor to Radio Corporation of America. Transmitting system. 2,274,271; Feb. 24.
Lavalier, Clair H., Keewatin, Minn. Safety block attachment. 2,274,074; Feb. 24.
Leech, Russ B., assignor to Standard Process Corporation, Chicago, Ill. Making coating deposit rollers. 2,273,967; Feb. 24.
Leighton, John W., Port Huron, Mich. Automobile suspension. 2,274,372; Feb. 24.
Lemanski, Savarian F., Detroit, Mich. Injector for internal combustion engines. 2,274,241; Feb. 24.
Lenz, Carl E., Jamaica, assignor to Remington Rand Inc., Buffalo, N. Y. Calculating machine. 2,274,076; Feb. 24.
Les Usines de Melle. (See Guinot, Henri Martin, assignor.)
Leverenz, Humboldt W., Collingswood, N. J., assignor to Radio Corporation of America. Luminescent material. 2,274,272; Feb. 24.
Lewis, G. B., Company. (See Olson, Eric C. H., assignor.)
Lewis, Norman F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic horn. 2,273,968; Feb. 24.
Liberty Can and Sign Company. (See Rueger, Herman W., assignor.)
Linde Air Products Company, The. (See Shorter, Albert E., assignor.)
Lindemon, William H. (See Boyle, F. F., and Lindemon.)
Lindgren, Frank, Lanyon, Iowa. Combination hay buck and stacker. 2,273,970; Feb. 24.
Lindstrom, Linn Olaf B., and A. E. Smith, San Francisco, Calif. Power driven pruning device. 2,274,421; Feb. 24.
Linenfelser, Robert W., Monroe, Mich. Slicer. 2,273,969; Feb. 24.
Lines, Edwin M., Dedham, assignor to Bird & Son, Inc., East Walpole, Mass. Manufacture of artificially colored granules. 2,273,874; Feb. 24.
Lionel Corporation, The. (See Ehret, A., and Ferri, assignors.)

Lipski, Mitchell, Chicago, Ill. Adjustable curtain fixture. 2,274,242; Feb. 24.
Listo Pencil Corporation. (See Wehn, Charles E., assignor.)
Livesey, Edward, Raleigh, and Palmer Copeland, Apex, N. C. Drag pan. 2,273,875; Feb. 24.
Lofgren, Gustaf Einar, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Electrical apparatus. 2,274,489; Feb. 24.
Lomax, Frank B., Chicago, Ill. Treating liquid egg material. 2,274,148; Feb. 24.
Long, Jon R. (See Hays, B. D., assignor.)
Lon-Ga-Tone, Inc. (See Herzig, Leonard A., assignor.)
Longines-Wittnauer Watch Co. Inc. (See Merz, Maurice, assignor.)
Loomis, Walter A., Whittier, Calif. Automatic weight control in well drilling. 2,274,339; Feb. 24.
Love, Leonard B., New York, N. Y. Apparatus for safe collection, delivery, and transportation of valuables. 2,273,971; Feb. 24.
Lowe, Joe, Corporation. (See Huth, Thelma Evelyn Mary, assignor.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Lowe, Joe, Corporation. (See Thomas, N. M., and Siemund, assignors.)
Lubcke, Harry R., Hollywood, assignor to Don Lee Broadcasting System, Los Angeles, Calif. Television antenna. 2,274,149; Feb. 24.
Lucas Machine Tool Company, The. (See Stephan, Hallis N., assignor.)
Lutz, Frederick W., Garden City, and J. D. Peace, Jr., Flushing, N. Y. Apparatus for indicating tilt of cameras. 2,273,876; Feb. 24.
Lyman, Arthur L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Refining mineral oils. 2,274,373; Feb. 24.
MacFarland, Allison M., assignor, by meane assignments, to Burgess Battery Company, Chicago, Ill. Dry cell machine. 2,274,490; Feb. 24.
Macfarren, Walter W., Los Angeles, Calif. High speed rotary flying shear. 2,274,452; Feb. 24.
Mack, Gordon C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacture of rubber hydrochloride film. 2,274,150; Feb. 24.
Magrum, Gervase M., and F. M. Salisbury, said Magrum assignor to Houde Engineering Corporation, and said Salisbury assignor to Bell Aircraft Corporation, Buffalo, N. Y. Gun recoil damping structure. 2,273,878; Feb. 24.
Mahoney, Bertram W., Drexel Hill, and G. M. Reed, Kirklyn, Pa., assignors to General Electric Company. Electrical connection. 2,274,422; Feb. 24.
Manning, Maxwell & Moore, Inc. (See Whitcomb, Preston, assignor.)
Manley, Gilbert Edgar. (See Pratt, J. H., Manley and Girling.)
Mann, Gordon, Winchester, Mass., assignor to International Shoe Company, St. Louis, Mo. Insole for shoes. 2,274,,205; Feb. 24.
Manning, Bowman & Co. (See Young, Allan M., assignor.)
Manning, Maxwell & Moore, Incorporated. (See Hammond, Elmer H., assignor.)
Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
Marancik, Joseph V. (See Cook, G. B., and Marancik.)
Marsh, Walter H., Crafton, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Rotary fluid meter. 2,274,206; Feb. 24.
Marzolf, George B., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn. Leg connection. 2,274,077; Feb. 24.
Marzolf, George B., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn. Downspout connection. 2,274,078; Feb. 24.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,274,079; Feb. 24.
Massey-Harris Company. (See Johnston, Howard M., assignor.)
Massey-Harris Company Ltd. (See Johnston, Howard M., assignor.)
Mathews, Wesley H., Farmington, Mich. Autographic machine. 2,274,080; Feb. 24.
Matter, Albert J., Park Ridge, Ill. Drain flushing apparatus. 2,274,453; Feb. 24.
Mautin, Francois, New York, N. Y. Ski exercizing machine. 2,274,081; Feb. 24.
Maxey, William E., East St. Louis, Ill. Shingle. 2,273,879; Feb. 24.
Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Range construction. 2,274,299; Feb. 24.
McCammon, George A., La Salina, Venezuela, assignor to Standard Oil Development Company. Method for construction of marine foundations. 2,274,082; Feb. 24.
McCoy, Robert C., Madison, Wis. Core making and filling device. 2,274,151; Feb. 24.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,273,972; Feb. 24.
McEvoy Company. (See Howard, J. H., and McEvoy, assignors.)
McEvoy, Joseph H. (See Howard, J. H., and McEvoy.)
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,274,152; Feb. 24.
McGrath, William L. (See Miller, L. B., and McGrath.)
McGrath, William L. (See Miller, L. B., McGrath, and Haines.)
McKinnis, Ronald B., assignor to Sunshine Foods Inc., Winter Haven, Fla. Chamber charging mechanism. 2,274,243; Feb. 24.
McMillan, Frank M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Vapor phase isomerization of hydrocarbons. 2,274,624; Feb. 24.
McNeill, Walter G. (See de Port, T., and McNeill.)
Mechanical Man, Inc. (See Dale, Frank L., assignor.)
Medl, Robert C., Jr., Newark, assignor to Hercules Powder Company, Wilmington, Del. Artificial leather. 2,273,973; Feb. 24.
Meehanite Metal Corporation. (See Reece, H. A., and Smalley, assignors.)
Meehanite Metal Corporation. (See Smalley, O., and Reece, assignors.)
Meiser, Wilhelm, Munich, Germany, assignor to General Aniline & Film Corporation. Sulphonating process. 2,273,974; Feb. 24.
Mentley, Max B., assignor to National Broach and Machine Company, Detroit, Mich. Gear finishing tool. 2,274,491; Feb. 24.
Merck & Co. Inc. (See John, W., and Gunther, assignors.)
Meredith, Russell, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Welding torch. 2,274,631; Feb. 24.
Merz, Maurice, Malverne, assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y. Wrist watch. 2,274,207; Feb. 24.
Messing, Joseph A. (See Frank, W. H., and Messing.)
Metals Disintegrating Company. (See Carney, Elvin P., assignor.)
Metaphane Inc. (See Riedel, Otto P., assignor.)
Metropolitan-Vickers Electrical Company, Limited. (See Bailey, Richard W., assignor.)
Meyer, Josef, Dietikon, Switzerland. Filing machine. 2,274,300; Feb. 24.
Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding, Morris County, N. J. Apparatus for the production of music. 2,273,975; Feb. 24.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller, Alfred, Dessau, and E. Schnitzler, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Marking the flaps and the films for photographic film packs. 2,274,556; Feb. 24.
Miller, Charles G., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sender control system. 2,274,083; Feb. 24.
Miller, Earl J., Bethlehem, Pa., assignor to Bethlehem Steel Company. Well spider. 2,274,273; Feb. 24.
Miller, Ernest B., Annapolis, assignor to W. B. Wright, Baltimore, Md. Refrigeration apparatus. 2,274,613; Feb. 24.
Miller, Frank P., Meadville, Pa. Cutting blade adjustment for boring bars. 2,274,244; Feb. 24.
Miller-Jonas Holding Co., Inc. (See Miller, Louis P., assignor.)
Miller, Leo B., Hartsdale, N. Y., W. L. McGrath, St. Paul, Minn., and J. E. Haines, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,274,153; Feb. 24.
Miller, Leo B., Hartsdale, N. Y., and W. L. McGrath, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning control system. 2,274,374; Feb. 24.
Miller, Louis P., Brooklyn, assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y. Machine for making slivers or rovings. 2,274,423; Feb. 24.
Miller, Louis P., assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y. Sliver making machine. 2,274,424; Feb. 24.
Miller, Louis P., Brooklyn, assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y. Making slivers. 2,274,425; Feb. 24.
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller Printing Machinery Co. (See Sinkovitz, J., and Kunz, assignors.)
Miller, Robert P., San Gabriel, Calif. Valve for pumps. 2,274,084; Feb. 24.
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,274,426; Feb. 24.
Miller, William J., Swissvale, and A. J. Reek, Carrick, Pa., said Reek assignor to said miller. Mechanism for preventing overloading. 2,274,427; Feb. 24.
Millerd, Francis, Vancouver, British Columbia, Canada. Machine for affixing can openers to cans. 2,274,301; Feb. 24.
Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Miller, L. B., and McGrath, assignors.)
Minneapolis-Honeywell Regulator Company. (See Miller, L. B. McGrath, and Haines, assignors.)

Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)

Minneapolis-Honeywell Regulator Company. (See Wilson, John M., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minsk, Louis M. (See Kenyon, W. O., Minsk, and Waugh.)

Misfeldt, Charles C. (See Pavlecka, V. H., Rechton, and Misfeldt.)

Mitulski, Frank E., assignor of one-half to D. B. Goldman, St. Louis, Mo. Shoe. 2,274,085; Feb. 24

Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)

Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)

Minneapolis-Honeywell Regulator Company. (See Robb, Joseph E., assignor.)

Mishcon, Lester. (See Agulnek, H., and Mishcon.)

Mishcon, Samuel. (See Agulnek, H., and Mishcon, assignors.)

Mitchell, Byron V., Jamaica, N. Y. Vulcanized rubber joint. 2,273,976; Feb. 24.

Mitchell, Byron V., Jamaica, N. Y. Vulcanized rubber joint. 2,273,977; Feb. 24.

Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof sheet wrapping material. 2,273,880; Feb. 24.

Mock, Frank C., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,273,979; Feb. 24.

Modine, Thomas B., St. Petersburg, Fla. Heating apparatus. 2,274,492; Feb. 24.

Moffats Limited. (See Smith, Elmore S., assignor.)

Moll, Harold W. (See Smith, F. B., and Moll.)

Monroe, Benjamin C., Tuscola, Ill. Rail connection. 2,274,493; Feb. 24.

Monsanto Chemical Company. (See Ingram, Joseph R., assignor.)

Montenare, Anthony, Reading, Pa. Reed for musical instruments. 2,274,375; Feb. 24.

Montenare, Anthony, Reading, Pa. Control valve mechanism for musical wind instruments. 2,274,376; Feb. 24.

Montgomery, Andrew P., Narberth, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Control circuit for gas triodes. 2,273,978; Feb. 24.

Moody, Morris R., assignor to The Troy Sunshade Company, Troy, Ohio. Article of furniture. 2,273,980; Feb. 24.

Moore, John C. (See Hull, R. W., and Moore.)

Moots, Marvin, La Plata, Mo. Seed gathering apparatus. 2,274,340; Feb. 24.

Morgan, Benjamin T., and A. K. A. Christian, Kansas City, Mo., said Christian assignor to said Morgan. Universal joint. 2,274,154; Feb. 24.

Morgan, John D., South Orange, and A. P. Sullivan, Elizabeth, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Analysis of gases. 2,273,981; Feb. 24.

Morgan, Raymond, Philadelphia, and R. D. Summers, Rockledge, Pa. Electric gauge. 2,274,557; Feb. 24.

Morrison, Edward A., San Francisco, Calif. Testing device for internal combustion motors. 2,274,086; Feb. 24.

Morten, Louis G., Teaneck, N. J., assignor to John B. Pierce Foudation, New York, N. Y. Electricity conductor unit. 2,274,087; Feb. 24.

Moser, John F., Dalton, Ohio. Air heating apparatus. 2,274,494; Feb. 24.

Motor Terminals, Inc. (See Fitch, Benjamin F., assignor.)

Moulton Ladder Manufacturing Co. (See Goldthwait, C. E., and Fritz, assignors.)

Mraz, Stephen A. (See Brannon, J. L., and Mraz.)

Mudon, Thomas J., assignor to Safe Delay Switch Corporation, Chicago, Ill. Electric switch and light fixture. 2,274,377; Feb. 24.

Mueller, John, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Tabulator. 2,274,088; Feb. 24.

Mueller, John H., et al., joint tenants. (See Mueller, Moritz L., assignor.)

Mueller, Moritz L., Grosse Pointe, assignor, by mesne assignments, to said M. L. Mueller and J. H. Mueller, Detroit, Mich., as joint tenants. Heating apparatus. 2,274,341; Feb. 24.

Mueller, Moritz L., et al., joint tenants. (See Mueller, Moritz L., assignor.)

Muench, Carl G., New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill. Manufacture of insulating units. 2,274,495; Feb. 24.

Mulhern, William A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel rim decorative ring. 2,274,496; Feb. 24.

Mulit, Lloyd H., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,274,302; Feb. 24.

Mull, Arthur B., Appleton, Wis., assignor of one-half to Spotswood Specialty Company, Inc., Lexington, Ky. Toy airplane. 2,274,208; Feb. 24.

Murray Corporation of America. (See Widman, Charles H., assignor.)

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Switch. 2,274,454; Feb. 24.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation. Cambridge, Mass. Latch mechanism. 2,274,455; Feb. 24.

Murray, William H., Central Valley, Calif. Solenoid switch operator. 2,274,558; Feb. 24.

Muskat, Irving E. (See Pollack, M. A., Muskat, and Strain.)

Mustee, Lawrence F., Cleveland, assignor of one-half to L. Smith, Cleveland Heights, Ohio. Towel cabinet. 2,274,155; Feb. 24.

Naegele, William P., Lucas, and F. W. Steenbock, Sylvan Grove, Kans. Power hack saw. 2,274,497; Feb. 24.

Napolillo, Angelo, Chicago, Ill. Ashtray snuffer. 2,274,498; Feb. 24.

National Acme Company, The. (See Drissner, Alfred E., assignor.)

National Acme Company, The. (See Drissner, A. E., Hogg and Barkinen, assignors.)

National Automotive Fibres, Inc. (See Carpenter, Carroll E., assignor.)

National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)

National Broach and Machine Company. (See Mentley, Max B., assignor.)

National Broach & Machine Company. (See Pernack, F., and Schulte, assignors.)

National Carbon Company. (See Granett, Philip, assignor.)

National Carbon Company, Inc. (See Granett, Philip, assignor.)

National Tube Company. (See Bannister, B., and Kirchner, assignors.)

Naumann, Donald J., Inglewood, Calif. Variable airfoil. 2,273,881; Feb. 24.

Nazar, Nicholas. (See Ely, F. W., and Nazar.)

Neary, John F., Jr. (See Allward, George A., assignor.)

Ness, Harold J., Bloomfield, N. J. Furnace. 2,274,209; Feb. 24.

Nessell, Clarence W., Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,274,614; Feb. 24.

Neufeld, Jacob. (See Scherbatskoy, S. A., and Neufeld.)

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Remotely adjustable control. 2,274,254; Feb. 24.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,274,615; Feb. 24.

Newton, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Mixing method and apparatus. 2,274,245; Feb. 24.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

New York Air Brake Company, The. (See Sudduth, Henry N., assignor.)

Niagara Sprayer and Chemical Co., Inc. (See Chater, John A., assignor.)

Nicol, Mary Lixey, Detroit, Mich. Birthday cake and candle support. 2,274,499; Feb. 24.

Nielsen, Alfred J., and E. Eliason, Luck, Wis. Bell attachment for vehicle wheels. 2,274,156; Feb. 24.

Nielsen, Clayton P., Chcago, Ill. Carbon holder for electric arc welding devices. 2,274,157; Feb. 24.

Niles-Bement-Pond Company. (See Hall, Thomas W., assignor.)

Nitkey, Loren W., Dudley, Idaho. Shoe calk. 2,274,559; Feb. 24.

Noble, Alphonso. (See Inderdohnen, J. F., and Noble.)

Noblitt-Spark Industries, Inc. (See Booth, Earl C., assignor.)

Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)

Nordstrom, Bror A., Trollhattan, Sweden. Internal combustion engine. 2,273,882; Feb. 24.

Norrick, George W., New Canaan, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,273,883; Feb. 24.

North American Rayon Corporation. (See Stoeckly, J. J., and Bartunek, assignors.)

Northrop Aircraft, Inc. (See Meredith, Russell.)

Nyberg, Stone, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va. Coil opener. 2,273,884; Feb. 24.

Oberst, Clair R. (See Orth, H. S., Oberst and Cramer.)

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electric convenience outlet and contact means therefor. 2,274,089; Feb. 24.

O'Connor, Arthur F. (See Breen, H. D., and O'Connor.)

Odin, Eugene A., Chicago, Ill. Vise mechanism. 2,274,428; Feb. 24.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Control system. 2,274,378–9; Feb. 24.

Oilgear Company, The. (See Davis, Richard E., assignor.)

Oilgear Company, The. (See Wiedmann, Ernst, assignor.)

Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on sheet material. 2,273,887; Feb. 24.

Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lockstitch sewing machine. 2,274,429; Feb. 24.

Olson, Eric C. H., Hales Corners, assignor to G. B. Lewis Company, Watertown, Wis. Beehive frame rest. 2,274,090; Feb. 24.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring scale. 2,274,210; Feb. 24.

Ormsby, Leonard D., San Antonio, Tex. Game apparatus. 2,274,342; Feb. 24.

Ornstein, Martha B., New York, N. Y. Interchangeable figure structure. 2,274,303; Feb. 24.

Orth, Howard S., C. R. Oberst, and W. E. Cramer, assignors to Industrial Ceramic Products, Inc., Columbus, Ohio. Pyrometric cone plaque. 2,274,343; Feb. 24.

Osborn, William D., Los Angeles, Calif. Safety plug and bypass. 2,273,984; Feb. 24.

Osborne, John L., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Making calcium thiocyanate. 2,274,456; Feb. 24.

Ostas, Chester A., Bedford, Ohio. Combination wrench and diestarter. 2,273,982; Feb. 24.

Osuch, Francis John, assignor to Robot Products Corporation, Detroit, Mich. Washing apparatus. 2,274,500; Feb. 24.

Otis Elevator Company. (See Pinto, Anthony, assignor.)

Otis Elevator Company. (See Sahlin, Eric A., assignor.)

Ott, Emil, Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Synthetic rubber composition. 2,273,983; Feb. 24.

Ott, Thomas Wellington, Milwaukee, Wis. Vacuum cleaner attachment. 2,274,560; Feb. 24.

Otto, Carl, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del. Underfired coke oven. 2,273,885; Feb. 24.

Otto, Carl, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del. Regenerative coke oven. 2,273,886; Feb. 24.

Overholt, Ralph, Jr. (See Hughes, K. M., and Overholt, Jr.)

Owen, John J. (See Beller, H., and Owen.)

Paden, William L., Dayton, Ohio. Cash register. 2,273,985; Feb. 24.

Palmer-Bee Company. (See Hartgering, J. M., and Perkins, assignors.)

Palmer, Frank D., Chicago, Ill., assignor to Kraft Cheese Company. Package and making the same. 2,274,344; Feb. 24.

Palmer, Frank D., assignor to Kraft Cheese Company. Packaging method and machine. 2,274,345; Feb. 24.

Palmer, Vincent F., Newark, N. J. Closure device. 2,274,562; Feb. 24.

Pan-American Laboratories, Inc. (See Ferreira, Charles W., assignor.)

Pankonin, William G., Chicago, Ill. Stapling machine. 2,274,211; Feb. 24.

Panoramic Radio Corporation. (See Wallace, Marcel, assignor.)

Parker, Albert E. (See Childers, J. L., and Parker.)

Parrett, Henry H., Disley, assignor to C. H. Johnson and Sons Limited, Manchester, England. Manufacture of projection screens. 2,274,501; Feb. 24.

Patricia Petticoat Co., The. (See Richman, Sidney, assignor.)

Patrick, Leon L., and C. V. Dosch, Evansville, Ind. Reversing switch. 2,274,563; Feb. 24.

Paulsen, Waldemar E., Maywood, Ill. Oil primer. 2,273,888; Feb. 24.

Pavlecka, Vladimir H., and G. D. Rechton, Santa Monica, and C. C. Misfeldt, Glendale, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Bucking tool. 2,274,091; Feb. 24.

Peace, John D., Jr. (See Lutz, F. W., and Peace.)

Peck, Edward B. (See Howard, F. A., and Peck.)

Peets, Wilbur J., Elizabeth, and J. Roll, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Clutch and brake mechanism. 2,274,457; Feb. 24.

Peirce, Charles P. (See Scanlan, Warren F., assignor.)

Pennsylvania Railroad Company, The. (See Hoke, Harry A., assignor.)

Pennsylvania Railroad Company, The. (See Salenius, Anders G. G., assignor.)

Penther, Carl J., Oakland, Calif. Timing device and method. 2,274,158; Feb. 24.

People in the Territory of the United States. (See Balls, A. K., Kevorkian and Arana.)

Perfection Stove Company. (See Focke, T. B., and Townley, assignors.)

Perfection Stove Company. (See Resek, Marc, assignor.)

Perkins, Hiram A., Rochester, assignor to Setter Bros. Inc., Cattaraugus, N. Y. Method of and apparatus for manufacturing confection products. 2,273,889; Feb. 24.

Perkins, Charles M. (See Hartgering, J. M., and Perkins.)

Pernack, Frank, and W. A. Schulte, assignors to National Broach & Machine Company, Detroit, Mich. Trimmer. 2,274,561; Feb. 24.

Perry, Clarence J., Los Angeles, Calif. Piston. 2,274,304; Feb. 24.

Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Reflecting sign and reflecting unit therefor. 2,274,212; Feb. 24.

Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)

Peters Bros. Rubber Co. (See Jackson, Clarence S., assignor.)

Peters, Franklin Traviss, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic article. 2,273,890; Feb. 24.

Peterson, Victor W., and F. J. Daley, assignors to Hannifin Manufacturing Company, Chicago, Ill. Cylinder and method of making same. 2,274,458; Feb. 24.

Petroleum Conversion Corporation. (See Sheppard, Bruce, assignor.)

Pezzillo, Albert R., Philadelphia, Pa. Fluid pump and metering device. 2,274,274; Feb. 24.

Pharma-Craft Corporation, Incorporated. (See Howell, Charles A., assignor.)

Philco Radio and Television Corporation. (See Branson, Harry, assignor.)

Philco Radio and Television Corporation. (See Campbell, Richard L., assignor.)

Philco Radio and Television Corporation. (See Dale, Colin B., assignor.)

Philco Radio and Television Corporation. (See Grimditch, William H., assignor.)

Philco Radio and Television Corporation. (See Montgomery, Andrew P., assignor.)

Philco Radio and Television Corporation. (See Richardson, Francis, assignor.)

Philco Radio and Television Corporation. (See Thompson, Elmer O., assignor.)

Phillips, Arthur C. (See Cooke, E. A., Coltman, and Phillips.)

Phillips, Stanley E., Vancouver, British Columbia, Canada. Inside caliper. 2,274,275; Feb. 24.

Pickett, David C., assignor of one-half to C. C. Saunders, Canton, Ohio. Piston. 2,273,986; Feb. 24.

Pierce, James E., assignor to Pierce Plastics, Inc., Bay City, Mich. Fishing line. 2,274,255; Feb. 24.

Pierce, John B., Foundation. (See Morten, Louis G., assignor.)

Pierce, John B., Foundation. (See O'Brien, Joseph F., assignor.)

Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,274,092; Feb. 24.

Pierce Plastics, Inc. (See Pierce, James E., assignor.)

Pineo, Orrin W., Milo, Maine, assignor to American Cyanamid Company, New York, N. Y. Direct current amplifier. 2,273,987; Feb. 24.

Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Timing of electromagnetic switches. 2,273,988; Feb. 24.

Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 2,274,502; Feb. 24.

Pittsburgh Equipable Meter Company. (See Marsh, Walter H., assignor.)

Pittsburgh Plate Glass Company. (See Pollack, M. A., Muskat, and Strian, assignors.)

Plastic Binding Corporation. (See Barrett, Harold G., assignor.)

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,274,159; Feb. 24.

Pollack, Maxwell A., I. E. Muskat, and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Alleghany County, Pa. Polymerizing polymerizable materials containing more than one polymerizable grouping. 2,273,891; Feb. 24.

Pontis, William G. (See Georgiev, A. M., Pontis, and Koehly.)

Pool, Austin R., Wetmore, Kans. Casting float. 2,274,380; Feb. 24.

Porsche, F., Dr. ing. h. c., K.-G. (See Zahradnik, Josef, assignor.)

Porter, Howard C., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Closure construction. 2,274,160; Feb. 24.

Potez, Henry C. A., Meaulte, France. Turning gear for internal combustion engines. 2,274,430; Feb. 24.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Molded slider for slide fasteners. 2,274,161; Feb. 24.

Praeger, Frank H., Cynwyd, assignor to Alcorn Combustion Company, Philadelphia, Pa. Fluid heater. 2,274,256; Feb. 24.

Pratt, James H., G. E. Manley and A. H. G. Girling, Birmingham, England. Vehicle brake. 2,274,213; Feb. 24.

Preble, Andrew Y., El Centro, Calif. Method and apparatus for precooling freight cars. 2,274,162; Feb. 24.

Preusantanz, Henry, assignor of two-thirds to C. J. Rawnsley, A. H. Wakefield, and A. Trueman, Winnipeg, Manitoba, Canada, as Trustees. Coin-freed vending machine. 2,274,214; Feb. 24.

Price, Earl R., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,273,989; Feb. 24.

Price, Elizabeth M. (See Brotherton, William, assignor.)

Prolamine Products Incorporated. (See Shildneck, Paul R., assignor.)

Puleston, Ronald, London, and S. T. Henderson, Iver, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Luminescent material. 2,274,163; Feb. 24.

Pure Oil Company, The. (See Bond, D. C., and Botsford, assignors.)

Pure Oil Company, The. (See Williams, Norman D., assignor.)

Pure Oil Company, The. (See Yule, John S., assignor.)

Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,274,164; Feb. 24.

Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Making spark plugs. 2,273,990; Feb. 24.

Radio Corporation of America. (See Atwood, John Boyd, assignor.)

Radio Corporation of America. (See Collins, Milford E., assignor.)

Radio Corporation of America. (See Hugenholtz, Eduard H., assignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Laport, Edmund A., assignor.)

Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)

Radio Corporation of America. (See Rust, N. M., and Brailsford, assignors.)

Radio Corporation of America. (See Shore, Henry, assignor.)

Radio Corporation of America. (See Singer, Kurt, assignor.)

Radio Corporation of America. (See Spencer, James A., assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Corporation of America. (See Wolff, Irving, assignor.)

Radio Patents Corporation. (See Bach, Henry M., assignor.)

Ragland, Douglas, and J. U. Teague, Houston, Tex., assignors to Standard Oil Development Company, Apparatus for completing submarine wells. 2,274,093; Feb. 24.

Railroad Rolling Stock Patents Corporation. (See Breer, Carl, assignor.)

Railroad Rolling Stock Patents Corporation. (See Janeway, Robert N., assignor.)

Randolph, Donald W., and R. H. Bigler, Flint, assignors to General Motors Corporation, Detroit, Mich. Copper oxide disk and making same. 2,273,991; Feb. 24.

Raolin Corporation, The. (See Raynolds, James W., assignor.)

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Valve. 2,274,276; Feb. 24.

Raritan Bay Holding Company. (See Klein, Edward F., assignor.)

Rauen, Carl F., Grosse Pointe, Mich. Muffler. 2,274,459-60-61; Feb. 24.

Rawnsley, Charles J., et al., trustees. (See Preusantanz, Henry, assignor.)

Raynolds, James W., Pittsburgh, Pa., assignor to The Raolin Corporation, New York, N. Y. Quick-setting vinyl compositions. 2,274,616; Feb. 24.

Raytheon Production Corporation. (See Krim, Norman B., assignor.)

Rechton, George D. (See Pavlecka, V. H., Rechton, and Misfeldt.)

Reconstruction Finance Corporation. (See Buck, William H., assignor.)

Reece, Herbert A., Cleveland Heights, Ohio. and Oliver Smalley, Pittsburgh, Pa., assignors to Meehanite Metal Corporation. Apparatus and method for pre-heating of air and the like. 2,273,892; Feb. 24.

Reece, Herbert A. (See Smalley, O., and Reece.)

Reed, George M. (See Mahoney, B. W., and Reed.)

Reek, Ashley J. (See Miller, W. J., and Reek.)

Reichold Chemicals, Inc. (See Hodgins, T. S., and Hovey, assignors.)

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Brake drum. 2,274,503; Feb. 24.

Remington Rand Inc. (See Collier, William L., assignor.)

Remington Rand Inc. (See Dreher, Elmer H., assignor.)

Remington Rand, Inc. (See Kelley, Walter F., assignor.)

Remington Rand Inc. (See Lenz, Carl E., assignor.)

Remington Rand, Inc. (See Ferry, John T., assignor.)

Remington Rand Inc. (See Mueller, John, assignor.)

Remy, Theron P., Los Angeles, Calif. Lubricating composition. 2,274,305; Feb. 24.

Remy, Theron P., Los Angeles, Calif. Lubricating oil composition. 2,274,617; Feb. 24.

Remy, Theron P., Los Angeles, Calif. Core oil. 2,274,618; Feb. 24.

Renner, Robert R., Portland, Oreg. Hydraulic drill. 2,274,431; Feb. 24.

Repsher, Leonard E., East Orange, and C. W. Hammond, Bloomfield, N. J. Extrusion apparatus for coating veneers. 2,274,432; Feb. 24.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid dispensing means and stove incorporating same. 2,274,462; Feb. 24.

Revalens Co., The. (See Houchin, Lowell L., assignor.)

Rex Manufacturing Company. (See Hull, R. W., and Moore, assignors.)

Richard, Charles F., Battle Creek, Mich. Metal clip machine. 2,273,893; Feb. 24.

Richardson, Francis, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Step by step positioning device. 2,274,564; Feb. 24.

Richardson, Lycurgus W., Scotia, N. Y., assignor to General Electric Company. Liquid cooled resistor. 2,274,381; Feb. 24.

Richman, Sidney, assignor to The Patricia Petticoat Co., Inc., New York, N. Y. Woman's foundation garment. 2,274,382; Feb. 24.

Riddell, Fred P., Milwaukee, Wis. Head for decoy ducks. 2,274,246; Feb. 24.

Riedel, Otto P., Bergenfield, N. J., assignor to Metaphane Inc., New York, N. Y. Composite metallic fabric. 2,273,894; Feb. 24.

Ris, Kenneth B., Garden City, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 2,274,247; Feb. 24.

Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,274,337; Feb. 24.

Ritzau, Clarence L., Redwood City, Calif. Display rack. 2,274,165; Feb. 24.

Robb, Joseph E., Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,273,992; Feb. 24.

Robot Products Corporation. (See Osuch, Francis J., assignor.)

Rochester, Richmond, Long Island City, N. Y., assignor to Talon, Inc., Meadville, Pa. Machine and process for making slide fastener stringers. 2,273,994; Feb. 24.

Rock-Ola Manufacturing Corporation. (See Forslund, O. W., and Heyn, assignors.)

Rockwood, Earl L., Toledo, Ohio, assignor to Gifford D. Davis, South Orange, N. J. Connector. 2,274,257; Feb. 24.

Rockwood, George H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous discharge device circuit. 2,273,993; Feb. 24.

Roe, Harry H. et al. (See Vissing, Roual A., assignor.)

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Blade adjusting mechanism for printing presses. 2,274,166; Feb. 24.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Printing press. 2,274,167; Feb. 24.

Rogerson, John, and F. W. Warren, Manchester, assignors to Dunlop Rubber Company Limited, London, England. Lining of rubber articles. 2,273,995; Feb. 24.

Roltman, Irvin J. (See Wohl, M., Cohen and Roltman.)

Roll, John. (See Peets, W. J., and Roll.)

Roosenstein, Hans O., Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency selective transmission line. 2,274,346; Feb. 24.

Roscoe, William H. (See Foulds, R. P., and Roscoe.)

Roselle, Walter A., New York, N. Y. Container. 2,274,258; Feb. 24.

Ross Heater & Manufacturing Co., Inc. (See Tinker, Townsend, assignor.)

Ross, Oscar A., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Autonomic electrical current converting device. 2,273,996; Feb. 24.

Roosenstein, Hans O. (See von Bayer, H. J. R., and Roosenstein.)

Rotary Extractor Corporation. (See Fischer, Albert M., assignor.)

Roterberg, Werner, Dusseldorf, Germany. Roller or ball bearing. 2,273,895; Feb. 24.

Rousseau, Raymón E., and H. W. Clum, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper blade. 2,274,277; Feb. 24.

Royal Electric Company. (See Goodwin, George R., assignor.)

Rubberset Company. (See Saltzman, Auguste L., assignor.)

Rubin, Léon, Courbevoie, assignor to Société Industrielle des Procédés Loth, Neuilly-sur-Seine, France. Negative feedback amplifier. 2,273,997; Feb. 24.

Rudert, Alfred. (See Jaeger, G., and Rudert.)

Rueger, Herman W., Lancaster, Pa., assignor to Liberty Can and Sign Company. Slide closure for containers. 2,273,998; Feb. 24.

Rueger, Herman W., Lancaster, Pa., assignor to Liberty Can and Sign Company. Slide closure for containers. 2,273,999; Feb. 24.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Refining process. 2,274,094; Feb. 24.

Rush, Harry A., Los Angeles, Calif. Electric water heater. 2,274,383; Feb. 24.

Ruska, Ernst, Berlin-Spandau, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung", Berlin, Germany. Electronic microscope. 2,274,215; Feb. 24.

Russo, Eduardo, New York, N. Y. Latch lock. 2,274,259; Feb. 24.

Rust, Noël M., Chelmsford, and J. D. Brailsford, London, assignors to Radio Corporation of America. Negative resistance circuit arrangement. 2,274,347; Feb. 24.

Ruston & Hornsby Ltd. (See Donington, G., and Fox, assignors.)

Saco-Lowell Shops. (See Conley, Fred A., assignor.)

Safe Delay Switch Corporation. (See Mudon, Thomas J., assignor.)

Sahlin, Eric A., Westwood, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator safety apparatus. 2,274,000; Feb. 24.

Salenius, Anders G. G., Narberth, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive ash pan. 2,274,001; Feb. 24.

Salisbury, Frank M. (See Magrum, G. M., and Salisbury.)

Saltzman, Auguste L., Orange, assignor to Rubberset Company, Newark, N. J. Paint brush. 2,274,002; Feb. 24.

Sanders, Claude K., Turlock, Calif. Door assembly. 2,274,216; Feb. 24.

Sanders, George E., Binghamton, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Package. 2,274,278; Feb. 24.

Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Vehicle lamp. 2,274,217; Feb. 24.

Saunders, C. C. (See Pickett, David C., assignor.)

Sawyer, Edward E., assignor to Keyes Fibre Company, Waterville, Maine. Resin-bearing molded pulp article. 2,274,095; Feb. 24.

Scanlan, Warren F., assignor to C. P. Peirce, Chicago, Ill. Control system. 2,274,384; Feb. 24.

Scharpenberg, Charles C., Bakersfield, Calif. Draw works. 2,274,168; Feb. 24.

Schatzman, George W. (See Fergueson, A. P., and Schatzman.)

Schelhammer, Herman J., Whitestone, N. Y., and D. H. Coursen, Butler, N. J., assignors to American Hard Rubber Company, New York, N. Y. Producing permeable bodies. 2,274,260; Feb. 24.

Scherbatskoy, Serge A., and J. Neufeld, assignors to Well Surveys, Incorporated, Tulsa, Okla. Well surveying method. 2,274,248; Feb. 24.

Schiff, Robert, assignor to General Motors Corporation, Detroit, Mich. Multiple spot welding. 2,274,169; Feb. 24.

Schneider & Cie. (See Walckenaer, Francois M. A. A., assignor.)

Schnitzler, Eduard. (See Miller, A., and Schnitzler, assignors.)

Schulte, William A. (See Pernack, F., and Schulte.)

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle construction. 2,274,218; Feb. 24.

Schulz, Arthur P., Michigan City, Ind., assignor to G. & J. Teller, Chicago, Ill. Range construction. 2,274,433; Feb. 24.

Schwaab, Philip G., Jr. (See Fontana, M. G., Cantwell, and Schwaab, Jr.)

Schwartz, Andrew K., E. Bradshaw, and F. J. Walker, assignors to South Texas Cotton Oil Company, Incorporated, Houston, Tex. System of processing lint. 2,274,385; Feb. 24.

Schwarz, Bertram A. (See Swayze, C., Schwarz, and Henry.)

Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Pressed tubular glass structure. 2,274,096; Feb. 24.

Scott, Gordon N., Los Angeles, Calif. Method of and means for electrically protecting against corrosion partially submerged linear metallic structures. 2,273,897; Feb. 24.

Sealdsweet Sales Association. (See Weightman, W. A., and Hurleman, assignors.)

Sealed Power Corporation. (See Olson, Holly M., assignor.)

Security Engineering Co., Inc. (See Hammer, Otto, assignor.)

Self Winding Clock Company, Inc. (See Stone, Lucien B., assignor.)

Seller, Russell, Simcoe, Ontario, Canada. Holder for spoons and the like. 2,274,219; Feb. 24.

Senfieben, Paul W. (See Ashworth, F., and Senfieben.)

Setter Bros. Inc. (See Perkins, Hiram A., assignor.)

Shaeffer, George D. (See Buran, L. F., and Shaeffer.)

Shand & Jurs Company. (See Chesterman, Walter L., assignor.)

Shangle, Amos H. (See Hampton, L. N., and Shangle.)

Sharp, John C., Glen Ellyn, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Heating device. 2,274,348; Feb. 24.

Shaw, Frank H., South Orange, assignor to Shaw Insulator Company, Irvington, N. J. Multiple pressure device for molding plastics. 2,274,279; Feb. 24.

Shaw Insulator Company. (See Shaw, Frank H., assignor.)

Sheaffer, Charles F., Tulsa, Okla. Radio apparatus. 2,274,434; Feb. 24.

Sheaffer, W. A., Pen Company. (See Boyle, F. F., and Lindemon, assignors.)

Sheerer, John B., Pittsburgh, Pa. Crankless engine. 2,274,097; Feb. 24.

Shell Development Company. (See McMillan, Frank M., assignor.)

Shepherd, Paul J., Lakewood, Ohio. Strip supporting roll for pickling vats and the like. 2,274,504; Feb. 24.

Sheppard, Bruce, Bridgewater Township, Somerset County, assignor to Petroleum Conversion Corporation, Elizabeth, N. J. Hydrocarbon oil conversion. 2,274,003; Feb. 24.

Shildneck, Paul R., Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Treatment of corn protein. 2,274,004; Feb. 24.

Shore, Henry, Brooklyn, N. Y., assignor to Radio Corporation of America. Deflecting circuit. 2,274,098; Feb. 24.

Short, Albert P., Upper Darby, Pa. Furnace wall. 2,273,898; Feb. 24.

Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Method of and apparatus for surface hardening metal articles. 2,274,005; Feb. 24.

Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Fischer, Franz, assignor.)

Siemund, Herman. (See Thomas, N. M., and Siemund.)

Siggers, Philip E., et al. (See Vissing, Royal A., assignor.)

Simms, Frederick R., London, and B. C. Joy, Bognor Regis, England. Reciprocating pump. 2,273,896; Feb. 24.

Simpkins, Nathaniel J., Atlanta, Ga. Tendering steak. 2,274,250; Feb. 24.

Simpson, Bascom E., Los Angeles, Calif. Smoking pipe. 2,274,386; Feb. 24.

Simpson, Clay C., San Angelo, Tex. Burner. 2,274,249; Feb. 24.

Singer, Kurt, Burbank, Calif., assignor to Radio Corporation of America. Controlled transmission circuit. 2,274,505; Feb. 24.

Singer Manufacturing Company, The. (See Hacklander, Hans, assignor.)

Singer Manufacturing Company, The. (See Peets, W. J., and Roll, assignors.)

Sinkovitz, Joseph, and J. Kunz, assignors to Miller Printing Machinery Co., Pittsburgh, Pa. Sheet-delivery mechanism. 2,273,899; Feb. 24.

Sklenár, Ignac, Paris, France, assignor of two-thirds to Nils Gustaf Hezekiel Frenne, Stockholm, Sweden. Internal combustion engine. 2,273,900; Feb. 24.

Slingerland, Henry H., River Forest, Ill. Snare drum. 2,274,435; Feb. 24.

S. M. A. Corporation. (See Szabo, Lester J., assignor.)

Smalley, Oliver. (See Reece, H. A., and Smalley.)

Smalley, Oliver, Pittsburgh, Pa., and H. A. Reece, Cleveland Heights, Ohio, assignors to Meehanite Metal Corporation. Apparatus for preheating the air supply for a furnace. 2,273,901; Feb. 24.

Smalley, Oliver, Pittsburgh, Pa., and H. A. Reece, Cleveland Heights, Ohio, assignors to Meehanite Metal Corporation. Apparatus and preheating of air and the like by conduction. 2,273,902; Feb. 24.

Smalley, Oliver, Pittsburgh, Pa., and H. A. Reece, Cleveland Heights, Ohio, assignors to Meehanite Metal Corporation. Apparatus for uniformly heating air supplied to a furnace. 2,273,903; Feb. 24.

Smeby, Adolph H., Los Angeles, Calif., assignor to Jay B. Hinson, Hartsdale, N. Y. Extinguisher. 2,274,349; Feb. 24.

Smith, Alverd E. (See Lindstrom, L. O. B., and Smith.)

Smith, Charles J., Charleston, S. C. Wash-box seal for gas generating sets. 2,274,006; Feb. 24.

Smith, David M., Hermosa Beach, and W. H. Fisher, Los Angeles, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Traveling block. 2,274,099; Feb. 24.

Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Electric heating apparatus. 2,273,904; Feb. 24.

Smith, Francis H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye. 2,274,387; Feb. 24.

Smith, Frank B., and H. W. Moll, assignors to The Dow Chemical Company, Midland, Mich. Oxides of substituted phenothioxins. 2,273,905; Feb. 24.

Smith, Gerald G. (See Weider, G., and Wilson, assignors.)

Smith, J. Hugo, assignors to Wesson Company, Detroit, Mich. Boring tool. 2,274,007; Feb. 24.

Smith, Leonard. (See Mustee, Lawrence F., assignor.)

Smith, Ralston R., Vallejo, Calif. Fruit juicing apparatus. 2,274,306; Feb. 24.

Snell, Maurice S., and E. P. G. Wright, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Key pulsing sender for telephone systems. 2,274,100; Feb. 24.

Snyder, Eric G., assignor to Jovan Laboratories, Inc., New York, N. Y. Bacteriostatic substance and process for making the same. 2,274,101; Feb. 24.

Snyder, Eric G., assignor to Jovan Laboratories, Inc., New York, N. Y. Making isochlorophyllin-A-sodium and the product thereof. 2,274,102; Feb. 24.
Societe des Usines Chimiques Rhone-Poulenc. (See Despois, Robert L., assignor.)
Société Industrielle des Procédés. (See Rubin, Léon, assignor.)
Socony-Vacuum Oil Company, Incorporated. (See Hamilton, L. A., and Fuller, assignors.)
South Texas Cotton Oil Company. (See Schwartz, A. K., Bradshaw and Walker, assignors.)
Spánel, Abraham N., Rochester, N. Y. Pouch. 2,273,906; Feb. 24.
Specialties Development Corporation. (See Freygang, Walter H., assignor.)
Spence, George N., Wilmington, Del. Steam valve. 2,274,436; Feb. 24.
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraph printing system. 2,274,103; Feb. 24.
Spiegel, Walter, New York, N. Y. Electrical communication apparatus. 2,274,008; Feb. 24.
Sportswood Specialty Company. (See Mull, Arthur B., assignor.)
Stahl, Frank E., deceased, late of Tonawanda, N. Y., by Lillie M. Stahl, administratrix, Tonowanda, and Alfred Cotesworth, Kenmore, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist control. 2,273,907; Feb. 24.
Stahl, Lillie M., as administratrix. (See Stahl, Frank E., assignor.)
Standard Catalytic Company. (See Howard, F. A., and Peck, assignors.)
Standard Oil Company of California. (See Clayton, J. O., Farrington and Humphreys, assignors.)
Standard Oil Company of California. (See Lyman, Arthur L., assignor.)
Standard Oil Company of California. (See Mulit, Lloyd H., assignor.)
Standard Oil Development Company. (See Atkins, George T., Jr., assignor.)
Standard Oil Development Company. (See Bannon, Lewis A., assignor.)
Standard Oil Development Company. (See Cook, G. B., and Marancik, assignors.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Gerlicher, Robert A., assignor.)
Standard Oil Development Company. (See McCammon, George A., assignor.)
Standard Oil Development Company. (See Ragland, D., and Teague, assignors.)
Standard Oil Development Company. (See Rupp, Walter H., assignor.)
Standard Process Corporation. (See Leech, Russ B., assignor.)
Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)
Standard Pressed Steel Co. (See Klinke, Frank E., assignor.)
Standard Stoker Company, Incorporated, The. (See Kress, Joseph J., assignor.)
Stanley, Frederic R., London, England. Detachable coupling for lubricating apparatus. 2,274,251; Feb. 24.
Stanley, Robert W., Providence, assignor to Alco Fabricating Corporation, Pawtucket, R. I. Drying frame or tray. 2,274,104; Feb. 24.
Stanley, Sinclair G., Chicago, Ill. Hair waving device and process. 2,274,170; Feb. 24.
Start, Ernest. (See Start, Harry W., and Ernest.)
Start, Harry, W., Carlton, and E. Start, Wilford, assignors to George Blackburn and Sons Limited, Nottingham, England. Straight-bar knitting machine. 2,274,565; Feb. 24.
Steenbock, Fred W. (See Naegele, W. P., and Steenbock.)
Steilin, Domnic V., Detroit, Mich. Lock washer. 2,274,010; Feb. 24.
Stelzer, William. (See White, J. W., and Stelzer.)
Stephan, Hallis N., Cleveland Heights, assignor to The Lucas Machine Tool Company, Cleveland, Ohio. Horizontal boring and milling machine. 2,274,171; Feb. 24.
Stephens, Paul M., Ashland, Mo. Toy cannon or howitzer. 2,274,009; Feb. 24.
St. George, Walter E., Rochester, Minn. Battery terminal clamp. 2,274,437; Feb. 24.
Stern, Herman J., et al. (See Feltman, Harry C., assignor.)
Stewart, Andrew H., Shields, and P. Kucera, Allison Park, Pa. Manufacturing articles. 2,274,105; Feb. 24.
Stewart, Arthur L., assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,273,908; Feb. 24.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Sticelber, Merlin A., Kansas City, Mo. Refrigerated dough mixer. 2,274,220; Feb. 24.
Stinson, Karl W., Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Holst. 2,274,280; Feb. 24.
Stinson, Karl W., Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Safety stop for hoists. 2,274,281; Feb. 24.
Stinson, Karl W., Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Interlocking means. 2,274,282; Feb. 24.
Stoeckly, Johann Joseph, and R. Bartunek, Teltow-Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y. Preparation of alkali cellulose. 2,274,463; Feb. 24.
Stoesser, Sylvia M. (See Irons, C., and Stoesser.)
Stone, Lucien B., South Orange, N. J., assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y. Synchronized motor clock movement. 2,274,221; Feb. 24.
Stoner, Catharine. (See Stoner, Paul, assignor.)
Stoner, Paul, assignor of fifty per cent to R. Stoner, and fifty per cent to C. Stoner, Valparaiso, Ind. Precision rolling disk colter. 2,274,438; Feb. 24.
Stoner, Ruth. (See Stoner, Paul, assignor.)
Stover, Herbert F. (See Hill, W. J., and Stover.)
Sträb, Hermann, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Electrical condenser. 2,274,011; Feb. 24.
Strain, Franklin. (See Pollack, M. A., Muskat, and Strain.)
Streit, Carlyle F., Cincinnati, Ohio. Chair. 2,274,506; Feb. 24.
Strong, Carll W., and R. M. Walker, M. B. Walker and Trust Company of Georgia, executors of said Ralph M. Walker, deceased, assignors to Walker Electrical Company, Atlanta, Ga. Weatherproof cabinet 2,274,106; Feb. 24.
Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Control mechanism for rail sanders. 2,274,307; Feb. 24.
Sullivan, Alan P. (See Morgan, J. D., and Sullivan.)
Sullivan, Francis D., Memphis, Tenn. Grouting for earth's strata. 2,274,566; Feb. 24.
Summers, Rembrandt D. (See Morgan, R., and Summers.)
Sunshine Foods Inc. (See McKinnis, Ronald B., assignor.)
Supreme Knitting Machine Co. (See Agulnek, H., and Mischon, assignors.)
Swan, Carl W., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,273,909; Feb. 24.
Swan, Carl W., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,273,910; Feb. 24.
Swan, Willis A., assignor to A. A. Johnson, Bridgeport, Conn. Vehicle rocking device. 2,274,619; Feb. 24.
Swayze, Clare, Kokomo, and B. A. Schwarz, Kokomo, and M. M. Henry, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Antenna. 2,274,012; Feb. 24.
Sweet, Cecil H., Artesia, New Mexico. Paraffin cutter. 2,274,107; Feb. 24.
Sweet, Frederick D. (See Foster, W. D., and Sweet.)
Swenson, Paul W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time delay relay. 2,274,013; Feb. 24.
Swisher, Murray T., Clairton, Pa. Sand blasting machine. 2,274,172; Feb. 24.
Szabo, Lester J., Cleveland, Ohio, assignor to S. M. A. Corporation, Chicago, Ill. Substituted aryl anildes of pyridine carboxylic acid. 2,274,620; Feb. 24.
Tagliabue, Charles J., Mfg. Co. (See Fairchild, Charles O., assignor.)
Talon, Inc. (See Poux, Noel J., assignor.)
Talon, Inc. (See Rochester, Richmond, assignor.)
Tanberg, Arthur P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition. 2,274,252; Feb. 24.
Tannenbaum, William, et al. (See Feltman, Harry C., assignor.)
Tappan Stove Company. (See Mayer, Charles M., assignor.)
Taylor, Ernest W., assignor to Industrial Brownhoist Corporation, Bay City, Mich. Excavating bucket structure. 2,274,507; Feb. 24.
Teague, James U. (See Ragland, D., and Teague.)
Tedrow, Harvey L., Alma, Colo. Safety appliance. 2,274,222; Feb. 24.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ehlert, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Bayer, H. J. R., and Roosenstein, assignors.)
Teletype Corporation. (See Swan, Carl W., assignor.)
Teller, G. & J. (See Schulz, Arthur P., assignor.)
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Collapsible tube. 2,274,173; Feb. 24.
Texas Company, The. (See Hiller, Nicolai H., Jr., assignor.)
Thomas, Norman M., Medford Lakes, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Method of and apparatus for manufacturing confectionery products. 2,274,464; Feb. 24.

Thomas, Norman M., Medford Lakes, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Apparatus for manufacturing confectionery products. 2,274,465; Feb. 24.
Thomas, Norman M., Medford, N. J., and H. Siemund, Chicago, Ill., assignors to Joe Lowe Corporation, New York, N. Y. Portable stick handling device. 2,274,625; Feb. 24.
Thomas, Stanley R. (See Frauenthal, H., and Thomas.)
Thompson, Charles S., Elmhurst, and P. B. Clark, assignors to Union Special Machine Company, Chicago, Ill. Filled bag closing unit. 2,274,508; Feb. 24.
Thompson, Elmer O., Grasmere, N. Y., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Circuit controlling and impulse sending device. 2,274,567; Feb. 24.
Thompson, Henry C., Highland Park, Mich. Wax dispersion and preparing same. 2,274,509; Feb. 24.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signal system. 2,274,283; Feb. 24.
Thumim, Carl, Lansdowne, Pa., assignor to General Electric Company. Circuit breaker operating mechanism. 2,274,350; Feb. 24.
Timken Roller Bearing Company, The. (See Buckwalter, T. V., and Cox, assignors.)
Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)
Timken Roller Bearing Company, The. (See Horger, Ralph E., assignor.)
Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
Tinker, Townsend, Boston, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Pressure vessel. 2,274,439; Feb. 24.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Nut fastened installation. 2,274,014; Feb. 24.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Titanium Alloy Manufacturing Company, The. (See Comstock, G. F., and Efimoff, assignors.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tootal Broadhurst Lee Company Limited. (See Foulds, R. P., and Roscoe, assignors.)
Townley, Holden B. (See Focke, T. B., and Townley.)
Tozier, Margaret P., Seattle, Wash. Parking bumper for motor vehicles. 2,274,440; Feb. 24.
Traylor Vibrator Company, The. (See Doyle, Lee P., assignor.)
Trico Products Corporation. (See Chellew, Walter J., assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Rappl, Anton, assignor.)
Trico Products Corporation. (See Rousseau, R. E., and Clum, assignors.)
Trico Products Corporation. (See Wieland, Frank H., assignor.)
Tripp, Lue, Kansas City, Mo. Burial vault. 2,274,108; Feb. 24.
Troy Sunshade Company, The. (See Moody, Morris R., assignor.)
Trueman, Albert, et al., trustees. (See Preusantanz, Henry, assignor.)
Trust Company of Georgia, executor, et al. (See Strong, C. W. and Walker.)
Tschanz, Carl A., Norwood, Ohio. Multiple way fluid control valve. 2,274,308; Feb. 24.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Separating wax from oils. 2,274,223; Feb. 24.
Twyman, L. Raymond. (See Herman, K. R., Harrington, and Twyman.)
Tyrner, Joseph, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Variable reactance transformer. 2,274,015; Feb. 24.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Union Asbestos & Rubber Company. (See Breen, H. D., and O'Connor, assignors.)
Union Carbide and Carbon Corporation. (See Allen, Ivey, Jr., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United Shoe Machinery Corporation. (See Altenburg, William M., assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Hart, Fred V., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
Union Special Machine Company. (See Thompson, C. S., and Clark, assignors.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Hughes, K. M., and Overholt, Jr., assignors.)
United Autographic Register Co. (See Cooke, Allen B., assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Ashworth, F., and Senfleben, assignors.)
United Shoe Machinery Corporation. (See Edwards, Charles E., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Cornelis F. M., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
U. S. Slicing Machine Company. (See van Duyn, Adrianus, assignor.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. System of radio communication by means of polarization modulation. 2,273,911; Feb. 24.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,274,626; Feb. 24.
Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,274,627; Feb. 24.
Vanderbilt, Byron M., Roselle Park, N. J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cellulose derivative compositions. 2,274,568; Feb. 24.
Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,274,628; Feb. 24.
Veeder-Root Incorporated. (See Wild, Edward, assignor.)
Velton, Frank X., Chicago, Ill. Washer. 2,274,309; Feb. 24.
Venable, Emerson, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydrogen absorber. 2,274,388; Feb. 24.
Verplanck, Phillip, Akron, Ohio. Overhead car hanger. 2,274,016; Feb. 24.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Pumping system. 2,274,224; Feb. 24.
Vickers, Incorporated. (See Herman, K. R., Harrington, and Twyman, assignors.)
Vickers Incorporated. (See Vickers, Harry F., assignor.)
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Vissing, Royal A., Yerington, Nev., assignor of one-third to H. H. Roe, Salt Lake City, Utah, and one-third to P. E. Siggers, Washington, D. C. Electrical brake control mechanism. 2,274,109; Feb. 24.
Von Baeyer, Hans J. R., and H. O. Roosenstein, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Asymmetrical antenna with shielded feed line. 2,274,389; Feb. 24.
Vogel, Sol, New York, N. Y. Shoulder pad. 2,274,261; Feb. 24.
Von Giesche's Erben, Georg. (See Burkhardt, A., and Knabe, assignors.)
Vore, Herbert G., Jackson Heights, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Method and apparatus for treating materials. 2,274,284; Feb. 24.
Wahlstrom, Carl R., and C. G., Redwood City, Calif. Butter cutter. 2,274,621; Feb. 24.
Wahlstrom, Charles G. (See Wahlstrom, C. R., and C. G.)
Wakefield, Albert H., et al trustees. (See Preusantanz, Henry, assignor.)
Walckenaer, Francois M. A. A., assignor to Schneider & Cie, Paris, France. Valve gear for compound locomotive engines. 2,273,913; Feb. 24.
Walker, Charles M. (See York, R. D., and Walker.)
Walker, Fred J. (See Schwartz, A. K., Bradshaw and Walker.)
Walker Electrical Company. (See Strong, C. W., and Walker, assignors.)
Walker, Frank H. (See Chandler, D. L., Ewing, and Walker.)
Walker, Frank S., Los Angeles, Calif. Combined lunch kit and electric griddle. 2,274,285; Feb. 24.
Walker, Isaac F. (See Goebel, M. T., and Walker.)
Walker, Mabel B., executor, et al. (See Strong, C. W., and Walker.)
Walker, Ralph M. (See Strong, Carll W., and Walker.)
Wallace, Marcel, New York, N. Y., assignor, by direct and mesne assignments, to Panoramic Radio Corporation. Radio navigation system. 2,273,914; Feb. 24.
Walter, Ernest W., Haddonfield, N. J. Swing. 2,274,310; Feb. 24.
Waltham Watch Company. (See Ely, F. W., and Nazar, assignors.)
Ward, Robert E., Junior, Kansas City, Mo. Apparatus for treating polarized light. 2,274,110; Feb. 24.
Warren, Fredrick W. (See Rogerson, J., and Warren.)
Watson, James A., Jr. (See Galanot, C. P., and Watson.)
Waugh, George P. (See Kenyon, W. O., Minsk, and Waugh.)
Weaver, Ralph E., Lewistown, Pa. Hanger for emergency equipment. 2,274,111; Feb. 24.

Weber, Friedrich, Dessau, Anhalt, assignor to Junkers & Co., G. m. b. H., Dessau, Germany. Lack-of-liquid safety device for liquid heaters. 2,274,017; Feb. 24.
Weed, Walter A., Philadelphia, Pa. Traffic signal. 2,274,018; Feb. 24.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Control device for electric irons. 2,274,390; Feb. 24.
Wehn, Charles E., assignor to Liato Pencil Corporation, Alameda, Calif. Mechanical pencil. 2,274,311; Feb. 24.
Weider, George, and C. Wilson, assignors to thirty-three and one-third percent to G. G. Smith, Charleston, W. Va. Switch. 2,274,019; Feb. 24.
Weightman, William A., and W. Hurleman, Philadelphia, Pa., assignors, by mesne assignments, to Sealdsweet Sales Association, Tampa, Fla. Fruit juice machine. 2,274,020; Feb. 24.
Weimer, Hugo W., Milwaukee, Wis. Motion transmitting mechanism. 2,274,512; Feb. 24.
Weinberger, Jan, Truro, Nova Scotia, Canada. Internal combustion engine. 2,274,569; Feb. 24.
Well Surveys, Incorporated. (See Scherbatskoy, S. A., and Neufeld, assignors.)
Wellman, Frank E., Wichita Falls, Tex. Desalting petroleum. 2,273,915; Feb. 24.
Wells, Roy A., Lawrence Township, Stark County, Ohio. Electromagnetic speaker. 2,274,513; Feb. 24.
Wemp, Ernest E., Detroit, Mich. Clutch member. 2,274,174; Feb. 24.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Thermostatic switch. 2,274,312; Feb. 24.
Wesley, Andrew, Plainfield, N. J., and J. W. Carey, Lynbrook, assignors to The International Nickel Company, Inc., New York, N. Y. Semibright nickel deposition. 2,274,112; Feb. 24.
Wesson Company. (See Smith, J. Hugo, assignor.)
West, Edward E., Richmond, Va. Bag making, stringing, and tagging machine. 2,274,622; Feb. 24.
Westerkamp, Hugo, Cologne-Braunsfeld, Germany. Installation for mechanically recording sound on endless tapes coated with wax. 2,273,916; Feb. 24.
Westerkamp, Hugo, Cologne-Braunsfeld, Germany. Producing sound films and matrix therefor. 2,274,570; Feb. 24.
Western Electric Company, Incorporated. (See Snell, Maurice S., and Wright, assignors.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Gorman, Andrew T., assignor.)
Westinghouse Air Brake Company, The. (See Lewis, Norman F., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cody, Clifford S., assignor.)
Westinghouse Electric & Manufacturing Company. (See de Margitta, Michael J. Neumann, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lammers, Edwin S., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ritter, John G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Venable, Emerson, assignor.)
Weston Electrical Instrument Corporation. (See Williams, Alexander T., assignor.)
Whaley, William, Knoxville, Tenn. Transfer car. 2,274,313; Feb. 24.
Whaley, William, Knoxville, Tenn. Transfer car. 2,274,314; Feb. 24.
Whitcomb, Preston, Buffalo, N. Y., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Electric hoist. 2,274,175; Feb. 24.
White, Albert R., Glendale, Calif. Oil refiner pack. 2,274,113; Feb. 24.
White, Cecil J., Minneapolis, Minn. Apparatus for handling concrete. 2,274,225; Feb. 24.
White, John W., South Bend, Ind., and W. Stelzer, Detroit, Mich., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,274,021; Feb. 24.
Whitin Machine Works. (See Heald, Dana C., assignor.)
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,274,176; Feb. 24.
Wiedmann, Ernst, assignor to The Oilgear Company, Milwaukee, Wis. Broaching machine. 2,274,226; Feb. 24.
Wiegand, Edwin L. (See Greer, Millard M., assignor.)
Wieland, Frank H., assignor to Trico Products Corporation, Buffalo, N. Y. Shaft bearing. 2,274,286; Feb. 24.
Wild, Edward, Hartford, Conn., assignor to Veeder-Root Incorporated. Computing counter. 2,274,115; Feb. 24.
Willard, Louis E., Long Island City, assignor to C. Zimmer, Brooklyn, N. Y. Shock absorbing system. 2,274,227; Feb. 24.
Willard Storage Battery Company. (See Altmayer, Frank, assignor.)
Williams, Alexander T., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Exposure meter. 2,274,441; Feb. 24.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Articulated car construction. 2,274,228; Feb. 24.
Williams, Norman D., assignor to The Pure Oil Company, Chicago, Ill. Lubricant and preparing same. 2,274,022; Feb. 24.
Williams, William F. (See Ehrman, J. S., Williams, and Breslauer.)
Willsey, Arthur B., Dearborn, Mich. Welding mechanism. 2,274,514; Feb. 24.
Wilson, Calvin. (See Weider, G., and Wilson.)
Wilson & Company, Inc. (See Adams, Nicholas M., assignor.)
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,274,177; Feb. 24.
Wingfoot Corporation. (See Calvert, William C., assignor.)
Wingfoot Corporation. (See Mack, Gordon C., assignor.)
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon hides, skins, leather, and other sheet material. 2,274,114; Feb. 24.
Wisk, Walter, New Britain, Conn. Aircraft control. 2,274,571; Feb. 24.
Wittman, George C. (See Johnson, B. R., and Wittman.)
Wohl, Max, Morris Cohen, and I. J. Roitman, Chicago, Ill. Combination sleeve and mitten. 2,274,510; Feb. 24.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Air speed indicator. 2,274,262; Feb. 24.
Wolny, Joseph, Denver, Colo. Drill. 2,274,023; Feb. 24.
Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated dynamoelectric machine. 2,274,351; Feb. 24.
Wood, Floyd J., Niles, Mich. Filter. 2,274,352; Feb. 24.
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Flashlight. 2,274,178; Feb. 24.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Heat exchange device. 2,274,442; Feb. 24.
Worthington, Arnold Van Doren, Oakland, Calif. Drinking fountain attachment for faucets. 2,274,511; Feb. 24.
Worthington Pump and Machinery Corporation. (See Zwickl, Joseph R., assignor.)
Wright, Esmond P. G. (See Snell, Maurice S., and Wright.)
Wright, William Burnet. (See Miller, Ernest B., assignor.)
Wright, William D., Winchmore Hill, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Optical system. 2,274,116; Feb. 24.
Wysong, Glady Hysong. (See Wysong, Marcellus E., assignor.)
Wysong, Marcellus E., assignor to Glady Handy Wysong, New York, N. Y. Apparatus for coating, printing, and treating sheet material. 2,274,179; Feb. 24.
Yale & Towne Manufacturing Company, The. (See Quayle, George, assignor.)
Yates, Harry A., Fairfield, Conn. Hand knitting stitch holder. 2,274,572; Feb. 24.
Yelm, Charles W., assignor to The Gates Rubber Company, Denver, Colo. Endless V-type belt. 2,274,515; Feb. 24.
Yochem, Donald E., Columbus, assignor to L. S. D., Inc., Dayton, Ohio. Apparatus for washing dishes, silverware, and the like. 2,274,024; Feb. 24.
York, Raymond D., University, and C. M. Walker, Charlottesville, Va., assignors to R. D. York, trustee. Crucible furnace. 2,274,287; Feb. 24.
York, Raymond D., trustee. (See York, R. D., and Walker, assignors.)
York Safe and Lock Company. (See Bescherer, Palmer, assignor.)
Young, Allan M., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Automatic toaster. 2,273,917; Feb. 24.
Young, William R. (See Bryant, F. D., and Young.)
Yule, John S., assignor to The Pure Oil Company, Chicago, Ill. Lubricant. 2,274,025; Feb. 24.
Zahradnik, Josef, Stuttgart-Korntal, assignor to Dr. Ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Traction wheel. 2,274,180; Feb. 24.
Zalkind, Philip, New York, N. Y. Container and part therefor. 2,273,918; Feb. 24.
Zerbee, Louis J., Bellefontaine, Ohio. Chair. 2,274,117; Feb. 24.
Zerne, Gustav A., Brooklyn, N. Y. Vascular and joint exerciser. 2,274,574; Feb. 24.
Ziegler, Serge, Berlin, Germany. Oil burner. 2,274,573; Feb. 24.
Zimmer, Charles. (See Willard, Louis E., assignor.)
Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Refrigerating system and evaporator therefor. 2,274,391; Feb. 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antirachitic substances, Preparation of. N. A. Milas. Re. 22,038; Feb. 24.
Bait, Fish. J. L. Donaly. Re. 22,032; Feb. 24.
Buckle. P. W. White. Re. 22,040; Feb. 24.
Container and seam closure therefor H. F. Curry. Re. 22,033; Feb. 24.
Hair device. W. Huppert. Re. 22,035; Feb. 24.
Lighting fixture of the portable wall lamp type, Electric. J. Markel and A. Weinberg. Re. 22,037; Feb. 24.
Mower. R. D. Clemson. Re. 22,031; Feb. 24.
Pressing machine, Multi-cylinder. J. F. Raynolds. Re. 22,041; Feb. 24.
Propeller mechanism, Variable pitch. W. S. Hoover. Re. 22,034; Feb. 24.
Sprayer, Orchard. H. R. Vaage. Re. 22,039; Feb. 24.
Valve, Carburetor. H. A. Boller. Re. 22,030; Feb. 24.
Watchcase. S. Kramer. Re. 22,036; Feb. 24.

LIST OF PLANT INVENTIONS

Apricot. E. M. Fehr. 503; Feb. 24.

LIST OF INVENTIONS

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NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessory system for motor vehicles. E. C. Horton. 2,274,293; Feb. 24.
Agitating and aerating means for flotation cells. F. A. Dromgold. 2,274,401; Feb. 24.
Air brake. C. A. Campbell. 2,274,318; Feb. 24.
Air conditioning control system. L. B. Miller and W. L. McGrath. 2,274,374; Feb. 24.
Air conditioning system. W. L. McGrath. 2,274,152; Feb. 24.
Air conditioning system. L. B. Miller, W. L. McGrath, and J. E. Haines. 2,274,153; Feb. 24.
Air conditioning system. J. E. Robb. 2,273,992; Feb. 24.
Air conditioning system. C. W. Nessell. 2,274,614; Feb. 24.
Air conditioning system. A. B. Newton. 2,274,615; Feb. 24.
Aircraft control. W. Wisk. 2,274,571; Feb. 24.
Aircraft wing structure. G. A. Allward. 2,273,919; Feb. 24.
Air flow control device. J. L. Childers and A. E. Parker. 2,273,818; Feb. 24.
Airfoil, Variable. D. J. Naumann. 2,273,881; Feb. 24.
Airplane, Toy. A. B. Mull. 2,274,208; Feb. 24.
Air speed indicator. I. Wolff. 2,274,262; Feb. 24.
Alcohols into components, Separation of chemical modified rosin. J. N. Borglin. 2,274,523; Feb. 24.
Alcohols into components, The separation of chemically modified resin. J. N. Borglin. 2,274,524; Feb. 24.
Aliphatic bases, Preparing free. W. H. Hill. 2,274,412; Feb. 24.
Alkoxy alkylol cyanamide compound. W. P. Ericks. 2,274,474; Feb. 24.
Alkyl ammonium metallonitrites and their manufacture, Long-chain. M. T. Goebel and I. F. Walker. 2,274,058; Feb. 24.
Alloy: *See*—
  Aluminum alloy.
  Aluminum-beryllium alloy.
  Soldering alloy.
Aluminum ore, Sulphating. R. L. Brown. 2,273,930; Feb. 24.
Amides of low molecular carboxylic acids and producing the same, Addition products of. H. Dimroth and G. Graefinger, and H. Haussmann. 2,273,940; Feb. 24.
Amplifier, Direct current. O. W. Pineo. 2,273,987; Feb. 24.
Amplifier, Negative feedback. L. Rubin. 2,273,997; Feb. 24.
Anode, Extruded. G. F. Geiger. 2,274,056; Feb. 24.
Antenna. C. Swayze, B. A. Schwarz, and M. M. Henry. 2,274,012; Feb. 24.
Antenna, Loop. W. H. Grimditch. 2,273,955; Feb. 24.
Antenna, Television. H. R. Lubcke. 2,274,149; Feb. 24.
Antenna with shielded feed line, Asymmetrical. H. J. R. von Baeyer and H. O. Roosenstein. 2,274,389; Feb. 24.
Apparatus for wax treating paper disks and the like. C. W. Godwin and J. E. Engel. 2,274,610; Feb. 24.
Apparatus and method of making plastic binders. H. G. Barrett. 2,273,824; Feb. 24.
Apparatus and method for fusing earth material in place. L. R. Ashmore. 2,274,517; Feb. 24.
Apparatus and method for pre-heating of air and the like. H. A. Reece and O. Smalley. 2,273,892; Feb. 24.
Apparatus and method for preheating of air and the like by conduction. O. Smalley and H. A. Reece. 2,273,902; Feb. 24.
Apparatus for and method of electric discharge control. P. T. Farnsworth. 2,274,194; Feb. 24.
Apparatus for catalysis and the use thereof. E. J. Houdry. 2,273,865; Feb. 24.
Apparatus for coating, printing, and treating sheet material. M. E. Wysong. 2,274,179; Feb. 24.
Apparatus for completing submarine wells. D. Ragland and J. U. Teague. 2,274,093; Feb. 24.
Apparatus for controlling traveling webs. L. L. Hercik. 2,274,268; Feb. 24.
Apparatus for electrically etching metallic articles. E. A. Cooke, D. C. W. Coltman, and A. C. Phillips. 2,273,819; Feb. 24.
Apparatus for handling concrete. C. J. White. 2,274,225; Feb. 24.
Apparatus for indicating tilt of cameras. F. W. Lutz and J. D. Pearce, Jr. 2,273,876; Feb. 24.
Apparatus for manufacturing confectionary products. N. M. Thomas. 2,274,465; Feb. 24.
Apparatus for manufacturing frozen confections. T. E. M. Huth. 2,274,478; Feb. 24.
Apparatus for preheating the air supply for a furnace. O. Smalley and H. A. Reece. 2,273,901; Feb. 24.

Apparatus for removing impurities from internal combustion engine exhaust gases. G. Donington and E. H. Fox. 2,274,594; Feb. 24.
Apparatus for safe collection, delivery, and transportation of valuables. L. B. Love. 2,273,971; Feb. 24.
Apparatus for separating dust from flue gases. J. Etwanik. 2,274,050; Feb. 24.
Apparatus for spinning fibers. C. C. Davis. 2,274,130; Feb. 24.
Attachment for tabulating machines. A. B. Cooke. 2,274,608; Feb. 24.
Apparatus for treating fluid materials. M. Cornell. 2,273,835; Feb. 24.
Apparatus for treating polarized light. R. E. Ward, Jr. 2,274,110; Feb. 24.
Apparatus for the production of music. B. F. Miessner. 2,273,975; Feb. 24.
Apparatus for uniformly heating air supplied to a furnace. O. Smalley and H. A. Reece. 2,273,903; Feb. 24.
Apparatus for washing dishes, silverware, and the like. D. E. Yochem. 2,274,024; Feb. 24.
Apparel, Article of. J. S. Degnon. 2,274,321; Feb. 24.
Apricot. E. M. Fehr. Plant Pat. 503. Feb. 24.
Arch for furnaces, Suspended. L. L. Ladd. 2,274,240; Feb. 24.
Aryl amides of pyridine carboxylic acid, Substituted. L. J. Szabo. 2,274,620; Feb. 24.
Ash, Disposing of fly. R. E. H. James. 2,274,414; Feb. 24.
Ash pan, Locomotive. A. G. G. Salenius. 2,274,001; Feb. 24.
Ashtray snuffer. A. Napolillo. 2,274,498; Feb. 24.
Attachment plug. T. J. Conrad. 2,274,398; Feb. 24.
Autographic machine. W. H. Mathews. 2,274,080; Feb. 24.
Automobile heater. E. C. Booth. 2,274,033; Feb. 24.
Automobile suspension. J. W. Leighton. 2,274,372; Feb. 24.
Axle construction, Roller bearing. T. V. Buckwalter and W. P. Cox. 2,274,187; Feb. 24.
Bacteriostatic substance and making the same. E. G. Snyder. 2,274,101; Feb. 24.
Bag closing unit, Filled. C. S. Thompson and P. B. Clark. 2,274,508; Feb. 24.
Bag making, stringing, and tagging machine. E. E. West. 2,274,622; Feb. 24.
Ball winding machine. B. Bogoslowsky. 2,273,828; Feb. 24.
Barrel cooling device. T. de Port and W. G. McNeill. 2,273,839; Feb. 24.
Battery filler. F. Altmayer. 2,274,118; Feb. 24.
Battery separator. A. S. Behrman. 2,274,231; Feb. 24.
Battery terminal clamp. W. E. St. George. 2,274,437; Feb. 24.
Bearing: *See*—
  Shaft bearing.
  Thrust ball bearing.
Bearing assembly. H. Frauenthal and S. R. Thomas. 2,274,137; Feb. 24.
Beehive frame rest. E. C. H. Olson. 2,274,090; Feb. 24.
Bell attachment for vehicle wheels. A. J. Nielsen and E. Eliason. 2,274,156; Feb. 24.
Belt, Endless V-type. C. W. Yelm. 2,274,515; Feb. 24.
Bicycle, Motorized. L. S. Cushman. 2,274,043; Feb. 24.
Blade adusting mechanism for printing presses. O. C. Roesen. 2,274,166; Feb. 24.
Block: *See*—
  Traveling block.
Block attachment, Safety. C. H. Lavalier. 2,274,074; Feb. 24.
Boat propelling and maneuvering attachment. J. E. Bevington. 2,273,815; Feb. 24.
Boring and milling machine, Horizontal. H. N. Stephan. 2,274,171; Feb. 24.
Boring tool. J. H. Smith. 2,274,007; Feb. 24.
Bottle cooler. R. W. Hull and J. C. Moore. 2,274,065; Feb. 24.
Bowling ball. J. Bomze. 2,274,522; Feb. 24.
Bracket: *See*—
  Extension bracket.
Brake: *See*—
  Air brake.
  Vehicle brake.
Brake. E. R. Price. 2,273,989; Feb. 24.
Brake. J. W. White and W. Stelzer. 2,274,021; Feb. 24.
Brake control mechanism, Electrical. R. A. Vissing. 2,274,109; Feb. 24.
Brake drum. F. M. Reid. 2,274,503; Feb. 24.
Brake equipment, Locomotive. C. C. Farmer. 2,273,944; Feb. 24.
Brake lever assembly, Hand. A. P. Fergueson. 2,274,133; Feb. 24.

Brake release control means. A. T. Gorman. 2,273,952; Feb. 24.
Brake system charging means. A. T. Gorman. 2,273,953; Feb. 24.
Braking system, Fluid pressure. H. C. Bowen. 2,273,924; Feb. 24.
Bread chip process. G. E. Judge. 2,274,416; Feb. 24.
Brewing. A. M. Fischer. 2,273,853; Feb. 24.
Broaching machine. R. E. Davis. 2,274,191; Feb. 24.
Broaching machine. E. Wiedmann. 2,274,226; Feb. 24.
Brush, Paint. A. L. Saltzman. 2,274,002; Feb. 24.
Brushes, Tooth and like. E. L. H. Cosby. 2,274,042; Feb. 24
Bucking tool. V. H. Pavlecka, G. D. Rechton, and C. C. Misfeldt. 2,274,091; Feb. 24.
Built-up wheel. H. A. Hoke. 2,274,545; Feb. 24.
Bumper for motor vehicles, Parking. M. P. Tozier. 2,274,440; Feb. 24.
Bunch builder. D. C. Heald. 2,274,446; Feb. 24.
Burial vault. L. Tripp. 2,274,108; Feb. 24.
Burner: *See*—
  Oil burner.
Burner. C. C. Simpson. 2,274,249; Feb. 24.
Butadiene, Production of. A. Cantzler and H. Krekeler. 2,274,358; Feb. 24.
Butter cutter. C. R. and C. G. Wahlstrom. 2,274,621; Feb. 24.
Cabinet: *See*—
  Collapsible cabinet.
  File cabinet.
  Towel cabinet.
  Weatherproof cabinet.
Cable reel, Safety. L. P. Hammond. 2,274,330; Feb. 24.
Cable strain clamp. R. Fitzpatrick. 2,274,055; Feb. 24.
Cake and candle support, Birthday. M. L. Nicol. 2,274,499; Feb. 24.
Calcium thiocyanate, Making. J. L. Osborne. 2,274,456; Feb. 24.
Calculating machine. E. H. Dreher. 2,274,049; Feb. 24.
Calculating machine. C. E. Lenz. 2,274,076; Feb. 24.
Calculating machine. C. M. F. Friden. 2,273,857; Feb. 24.
Calf weaner. E. Gommels. 2,274,406; Feb. 24.
Caliper, Inside. S. E. Phillips. 2,274,275; Feb. 24.
Can Packing machine. A. L. Christiansen. 2,274,606; Feb. 24.
Car: *See*—
  Transfer car.
Car construction, Articulated. A. O. Williams. 2,274,228; Feb. 24.
Car hanger, Overhead. P. Verplanck. 2,274,016; Feb. 24.
Carbon holder for electric arc welding devices. C. P. Nielsen. 2,274,157; Feb. 24.
Carburetor. F. O. Ball. 2,274,467; Feb. 24.
Carburetor. R. Burton. 2,274,587; Feb. 24.
Carburetor. F. C. Mock. 2,273,979; Feb. 24.
Card assemblies, Producing. C. A. Bergsten. 2,274,355; Feb. 24.
Carrott counting machinery. W. W. Dodge. 2,273,820; Feb. 24.
Carton, Display. C. A. Howell. 2,274,253; Feb. 24.
Cash register. W. L. Paden. 2,273,985; Feb. 24.
Casting float. A. R. Pool. 2,274,380; Feb. 24.
Catalysts, Reactivation hydrogenating. E. J. Houdry. 2,273,864; Feb. 24.
Cathode ray tube. H. Branson. 2,274,586; Feb. 24.
Cellulose derivative compositions. B. M. Vanderbilt. 2,274,568; Feb. 24.
Cellulose, Preparation of alkali. J. J. Stoeckly and R. Bartunek. 2,274,463; Feb. 24.
Cellulosic article. F. T. Peters. 2,273,890; Feb. 24.
Cellulosic materials, Treating. R. P. Foulds and W. H. Roscoe. 2,274,363; Feb. 24.
Ceramic articles, Making. R. E. Gould. 2,273,859; Feb. 24.
Chair. G. E. Bishop. 2,274,585; Feb. 24.
Chair. C. F. Streit. 2,274,506; Feb. 24.
Chair. L. J. Zerbee. 2,274,117; Feb. 24.
Chamber charging mechanism. R. B. McKinnis. 2,274,243; Feb. 24.
Check, Sales promotional. M. W. Kutscher. 2,274,488; Feb. 24.
Chimney. A. J. Filkins. 2,274,403; Feb. 24.
Chloroisoprene, Production of. C. D. Hurd. 2,274,611; Feb. 24.
Chromones and producing same. W. John and P. Gunther. 2,274,449; Feb. 24.
Chuck mechanism, Indexable reversible. A. E. Drissner, W. J. Hogg, and K. W. Barkinen. 2,273,845; Feb. 24.
Cigar lighter, Electric. A. A. Johnson. 2,274,068; Feb. 24.
Circuit: *See*—
  Deflecting circuit.
  Gaseous discharge device circuit.
  Piezoelectric resonator circuit.
  Transmission circuit.
  Voltage regulator circuit.
Circuit arrangement, Negative resistance. N. M. Rust and J. D. Brailsford. 2,274,347; Feb. 24.
Circuit breaker. W. H. Frank and J. A. Messing. 2,274,135; Feb. 24.
Circuit breaker. E. T. Pintz. 2,274,159; Feb. 24.
Circuit and mechanism, Hydraulic control. L. F. Buran and G. D. Shaeffer. 2,274,527; Feb. 24.
Circuit breaker operating mechanism. C. Thumim. 2,274,350; Feb. 24.
Circuit controlling and impulse sending device. E. O. Thompson. 2,274,567; Feb. 24.
Clamp: *See*—
  Battery terminal clamp.
  Cable strain clamp.
Clasp, Retaining. F. C. Alexander. 2,274,393; Feb. 24.
Cleaner: *See*—
  Vacuum cleaner.
  Windshield cleaner.
Cleaning machine. V. Bendix. 2,274,121; Feb. 24.
Clip machine, Metal. C. F. Richard. 2,273,893; Feb. 24.
Clock movement, Synchronized motor. L. R. Stone. 2,274,221; Feb. 24.
Closure construction. H. C. Porter. 2,274,160; Feb. 24.
Closure device. V. F. Palmer. 2,274,562; Feb. 24.
Closure for bottles, etc. C. S. Jackson. 2,273,867; Feb. 24.
Closure for the handhold of burner bowls. T. B. Focke and H. B. Townley. 2,274,475; Feb. 24.
Clothesline reel. C. E. Goldthwait and W. F. Fritz. 2,274,139; Feb. 24.
Clutch and brake mechanism. D. Fischbein. 2,273,947; Feb. 24.
Clutch and brake mechanism. W. J. Peets and J. Roll. 2,274,457; Feb. 24.
Clutch member. E. E. Wemp. 2,274,174; Feb. 24.
Coffee maker. J. H. Cohen. 2,274,607; Feb. 24.
Coil opener. S. Nyberg. 2,273,884; Feb. 24.
Collapsible cabinet. H. Derman. 2,274,534; Feb. 24.
Collapsible tube. G. W. Temple. 2,274,173; Feb. 24.
Collars, Making. M. L. Kaplan. 2,273,965; Feb. 24.
Color mixing device. R. H. Janssen. 2,274,485; Feb. 24.
Communication apparatus, Electrical. W. Spiegel. 2,274,008; Feb. 24.
Compass, Radio. E. H. Hugenholtz. 2,274,546; Feb. 24.
Compass. J. H. L'Abée-Lund. 2,274,073; Feb. 24.
Composite metallic fabric. O. P. Riedel. 2,273,894; Feb. 24.
Composition. A. P. Tanberg. 2,274,252; Feb. 24.
Computing counter. E. Wild. 2,274,115; Feb. 24.
Condenser: *See*—
  Electrical condenser.
Condenser construction. A. M. Georgiev, W. G. Pontis, and P. F. Koehly. 2,274,327; Feb. 24.
Conductor, Insulated electrical. L. A. Bannon. 2,274,031; Feb. 24.
Confection products, Method of and apparatus for manufacturing. H. A. Perkins. 2,273,889; Feb. 24.
Connector: *See*—
  Faucet connector.
Connector. E. L. Rockwood. 2,274,257; Feb. 24.
Connector for articulated trucks, Electrical. F. W. Ilseman. 2,274,144; Feb. 24.
Container: *See*—
  Transparent container.
Container. W. A. Roselle. 2,274,258; Feb. 24.
Container, cabinet, or the like. H. Derman. 2,274,048; Feb. 24.
Container. H. U. Holzer. 2,273,959; Feb. 24.
Container and part therefor. P. Zalkind. 2,273,918; Feb. 24.
Control circuit for gas triodes. A. P. Montgomery. 2,273,978; Feb. 24.
Control device. Joseph C. McCune. 2,273,972; Feb. 24.
Control device for electric irons. W. R. Weeks. 2,274,390; Feb. 24.
Control mechanism. C. A. Arens. 2,274,288; Feb. 24.
Control mechanism for rail sanders. H. N. Sudduth. 2,274,307; Feb. 24.
Control system. H. S. Ogden. 2,274,378–9; Feb. 24.
Control system. W. F. Scanlan. 2,274,384; Feb. 24.
Control system, Electrical. W. H. Janssen. 2,274,369; Feb. 24.
Control system for refrigerating apparatus. E. S. Lammers, Jr. 2,274,336; Feb. 24.
Control system, Sender. C. G. Miller. 2,274,083; Feb. 24.
Transmission circuit, Controlled. K. Singer. 2,274,505; Feb. 24.
Conveyer or motor and controlling same, Vibratory. L. P. Doyle. 2,273,912; Feb. 24.
Cooker, Electrical meat. H. F. Cramer. 2,274,190; Feb. 24.
Cooker, Sandwich. E. P. Ford. 2,274,325; Feb. 24.
Cooler: *See*—
  Bottle cooler.
Copholder. N. Dodds. 2,273,841; Feb. 24.
Core making and filling device. R. C. McCoy. 2,274,151; Feb. 24.
Cornhusking machine. B. R. Johnson and G. C. Wittman. 2,274,548; Feb. 24.
Corn protein, Treatment of. P. R. Shildneck. 2,274,004; Feb. 24.
Cotton duster. J. A. Chater. 2,274,359; Feb. 24.
Coupling: *See*—
  Fishhook coupling.
Coupling, compensating and dividing network, Band-pass filter. R. E. Bowley. 2,274,124; Feb. 24.
Coupling for lubricating apparatus, Detachable. F. R. Stanley. 2,274,251; Feb. 24.
Crankless engine. J. B. Sheerer. 2,274,097; Feb. 24.
Crimping machine, Coin wrapping. C. L. Downey. 2,273,942; Feb. 24.

Crystal holder, Temperature compensated. J. B. Atwood. 2,274,466; Feb. 24.
Curtain fixture, Adjustable. M. Lipski. 2,274,242; Feb. 24.
Cutter: *See*—
Butter cutter. Parfin cutter.
Gear cutter.
Cutting blade adjustment for boring bars. F. P. Miller. 2,274,244; Feb. 24.
Cylinder and making same. V. W. Peterson and F. J. Daley. 2,274,458; Feb. 24.
Cylinder construction, Hydraulic. E. R. Barrett. 2,274,519; Feb. 24.
Dandelion and weed puller. C. A. Banta. 2,273,812; Feb. 24.
Deflecting circuit. H. Shore. 2,274,098; Feb. 24.
Degreasing machine. J. W. Dammers. 2,273,939; Feb. 24.
Delivery machine for blanks and the like. L. E. La Bombard. 2,274,075; Feb. 24.
Derivatives of resins and their preparation. W. O. Kenyon, L. M. Minsk, and G. P. Waugh. 2,274,551; Feb. 24.
Device for measuring fluid pressures. J. F. Inderdohnen and A. Noble. 2,274,479; Feb. 24.
Device for positioning containers on vehicles. B. F. Fitch. 2,273,854; Feb. 24.
Dial clearing means for meters. R. D. Barry. 2,274,396; Feb. 24.
Differential pressure unit. B. D. Hays. 2,274,062; Feb. 24.
Discharge device, Gas filled. W. H. T. Holden. 2,273,958; Feb. 24.
Disk and making same, Copper oxide. D. W. Randolph and R. H. Bigger. 2,273,991; Feb. 24.
Dispenser: *See*—
Tag dispenser. Tape dispenser.
Dispensing apparatus. O. W. Forslund and W. Heyn. 2,273,948; Feb. 24.
Dispensing apparatus, Liquid. G. C. Harbison. 2,274,409; Feb. 24.
Dispensing device. J. R. Henderson, III, and W. B. Jenkins, Jr. 2,274,238; Feb. 24.
Display rack. C. L. Ritzau. 2,274,165; Feb. 24.
Door assembly. C. K. Sanders. 2,274,216; Feb. 24.
Doorframe for collapsible closets. H. Derman. 2,274,533; Feb. 24.
Door saddle. F. W. Kammerer. 2,273,877; Feb. 24.
Dough mixer, Refrigerated. M. A. Sticelber. 2,274,220; Feb. 24.
Downspout connection. G. B. Marzolf. 2,274,078; Feb. 24.
Drain flushing apparatus. A. J. Matter. 2,274,453; Feb. 24.
Draw works. C. C. Scharpenberg. 2,274,168; Feb. 24.
Drawers, Knockdown chest of. H. Derman. 2,274,046; Feb. 24.
Drill: *See*—
Hydraulic drill.
Drill. J. Wolny. 2,274,023; Feb. 24.
Drill jig. J. E. Grass. 2,273,954; Feb. 24.
Driving mechanism for sleeve valves. G. S. Kammer. 2,274,333; Feb. 24.
Drum, Snare. H. H. Slingerland. 2,274,435; Feb. 24.
Dry cell machine. A. M. MacFarland. 2,274,490; Feb. 24.
Drying frame or tray. R. W. Stanley. 2,274,104; Feb. 24.
Duplicating apparatus. W. E. Denison. 2,274,044; Feb. 24.
Duster, Cotton. J. A. Chater. 2,274,359; Feb. 24.
Dye, Azo. F. H. Smith. 2,274,387; Feb. 24.
Dynamoelectric machine, Prefabricated. A. P. Wood. 2,274,351; Feb. 24.
Earth and rock formations, Treating. C. Irons and S. M. Stoesser. 2,274,297; Feb. 24.
Egg material, Treating liquid. F. B. Lomax. 2,274,148; Feb. 24.
Electric convenience outlet and contact means therefor. J. F. O'Brien. 2,274,089; Feb. 24.
Electric current converting device, Autonomic. O. A. Ross. 2,273,996; Feb. 24.
Electric gauge. R. Morgan and R. D. Summers. 2,274,557; Feb. 24.
Electric motor wheel. O. E. Dever. 2,273,840; Feb. 24.
Electric switch. W. G. Harlow. 2,274,410; Feb. 24.
Electric water heater. H. A. Rush. 2,274,383; Feb. 24.
Electrical apparatus. G. E. Lofgren. 2,274,489; Feb. 24.
Electrical condenser. H. Sträb. 2,274,011; Feb. 24.
Electrical connection. B. W. Mahoney and G. M. Reed. 2,274,422; Feb. 24.
Electrical space discharge tube. N. B. Krim. 2,274,554; Feb. 24.
Electrically heated tool. L. N. Hampton and A. H. Shangle. 2,274,408; Feb. 24.
Electricity conductor unit. L. G. Morten. 2,274,087; Feb. 24.
Electromagnetic speaker. R. A. Wells. 2,274,513; Feb. 24.
Electron discharge device. J. R. Pierce. 2,274,092; Feb. 24.
Elevator safety apparatus. E. A. Sahlin. 2,274,000; Feb. 24.
Engine: *See*—
Crankless engine.
Internal combustion engine.
Erosion-corrosion testing device. M. G. Fontana, G. R. Cantwell and P. G. Schwaab, Jr. 2,274,541; Feb. 24.
Esterification process. C. W. Hawley. 2,274,061; Feb. 24.
Excavating bucket structure. E. W. Taylor. 2,274,507; Feb. 24.
Exerciser, Vascular and joint. G. A. Zerne. 2,274,574; Feb. 24.
Expansion valve. A. F. Carroll. 2,274,127; Feb. 24.
Extension bracket. P. D. Gandillon. 2,274,235; Feb. 24.
Extinguisher. A. H. Smeby. 2,274,349; Feb. 24.
Eyeleting machine. S. L. Cookin. 2,274,140; Feb. 24.
Exposure meter. A. T. Williams. 2,274,441; Feb. 24.
Extrusion apparatus for coating veneer. L. E. Repsher and C. W. Hammond. 2,274,432; Feb. 24.
Fabric: *See*—
Composite metallic fabric.
Fabric singeing machine, Tubular knit. S. B. Hanes. 2,274,600; Feb. 24.
Fastener: *See*—
Temporary fastener.
Fastener device. W. I. Jones. 2,274,482; Feb. 24.
Faucet connector. B. D. Davies. 2,273,837; Feb. 24.
Feeding mechanism for bottle capping machines. E. G. Baum. 2,274,583; Feb. 24.
Fence, Jointer. J. G. Collins. 2,274,129; Feb. 24.
Fender and fender shield construction. A. P. Fergueson and G. W. Schatzman. 2,274,134; Feb. 24.
Figure structure, Interchangeable. M. B. Ornstein. 2,274,303; Feb. 24.
File cabinet. P. Bescherer. 2,274,263; Feb. 24.
Filing equipment. E. Kern. 2,274,203; Feb. 24.
Filing machine. J. Meyer. 2,274,300; Feb. 24.
Film handling and sound apparatus and control therefor. W. D. Foster and F. D. Sweet. 2,273,855; Feb. 24.
Film, Manufacture of rubber hydrochloride. G. C. Mack. 2,274,150; Feb. 24.
Film recording apparatus, Sound. M. E. Collins. 2,274,529; Feb. 24.
Films and matrix therefor, Producing sound. H. Westerkamp. 2,274,570; Feb. 24.
Filter. F. J. Wood. 2,274,352; Feb. 24.
Firearm. G. H. Garrison. 2,274,195; Feb. 24.
Fishhook coupling. E. O. Edberg. 2,274,131; Feb. 24.
Fishing line. J. E. Pierce. 2,274,255; Feb. 24.
Fishing plug. L. R. Fink. 2,274,596; Feb. 24.
Flashlight. O. T. Wood. 2,274,178; Feb. 24.
Flocculation. G. M. Darby. 2,274,361; Feb. 24.
Floor covering. H. W. Bell. 2,274,468; Feb. 24.
Flow responsive device. R. Archer. 2,274,029; Feb. 24.
Fluid control device. W. H. Freygang. 2,273,856; Feb. 24.
Fluid control valve, Multiple way. C. A. Tschanz. 2,274,308; Feb. 24.
Fluid-cooled resistance. P. Ehlert. 2,274,537; Feb. 24.
Fluid heater. F. H. Praeger. 2,274,256; Feb. 24.
Fruit juicing apparatus. R. R. Smith. 2,274,306; Feb. 24.
Fluid-translating apparatus. C. S. Cody. 2,274,338; Feb. 24.
Fluid treating apparatus. J. R. Bates. 2,273,826; Feb. 24.
Fluorescent lamp. A. Hopkin, Jr. 2,273,960; Feb. 24.
Fluorine-containing compounds of the napthalene series. A. F. Benning and H. B. Gottlieb. 2,273,922; Feb. 24.
Fog and driving light, Combined. R. M. Gibb. 2,273,951; Feb. 24.
Forging. C. P. Byrnes. 2,273,931; Feb. 24.
Fountain attachment for faucets, Drinking. A. V. D. Worthington. 2,274,511; Feb. 24.
Fractionating plate construction. G. B. Cook and J. V. Marancik. 2,274,941; Feb. 24.
Frame: *See*—
Wall panel securing frame.
Freight cars, Method and apparatus for precooling. A. Y. Preble. 2,274,162; Feb. 24.
Fruit juice machine. W. A. Weightman and W. Hurleman. 2,274,020; Feb. 24.
Fuel burner control system. J. M. Wilson. 2,274,177; Feb. 24.
Fuel distributor. J. J. Kress. 2,274,450; Feb. 24.
Fuel injection system or device for internal-combustion engines. G. Amery. 2,274,315; Feb. 24.
Fuel metering and timing governor for injection internal combustion engines. H. C. Edwards. 2,274,609; Feb. 24.
Fuel system for internal combustion engines, Safety. M. Dach. 2,274,532; Feb. 24.
Furnace: *See*—
Crucible furnace.
Furnace. H. J. Ness. 2,274,209; Feb. 24.
Furnace, Crucible. R. D. York and C. M. Walker. 2,274,287; Feb. 24.
Furnace for reduction of metals. H. L. Gentil. 2,274,597; Feb. 24.
Furnace wall. A. P. Short. 2,273,898; Feb. 24.

Furniture, Article of. M. R. Moody. 2,273,980; Feb. 24.
Fuse, Delayed action and indicating electric. G. R. Goodwin. 2,274,059; Feb. 24.
Game. I. Caesar. 2,273,932; Feb. 24.
Game apparatus. L. D. Ormsby. 2,274,342; Feb. 24.
Garment. A. Kalb. 2,274,270; Feb. 24.
Garment, Foundation. S. G. Jones. 2,274,202; Feb. 24.
Garment, Women's foundation. S. Richman. 2,274,382; Feb. 24.
Gas generator. C. W. Ferreira. 2,273,852; Feb. 24.
Gas mixtures for hydrogenation, Preparation of carbon monoxid-hydrogen. F. A. Howard and E. B. Peck. 2,274,064; Feb. 24.
Gaseous discharge device circuit. G. H. Rockwood, Jr. 2,273,993; Feb. 24.
Gases, Analysis of. J. D. Morgan and A. P. Sullivan. 2,273,981; Feb. 24.
Gasket, Sealing. H. P. Fisher. 2,274,323; Feb. 24.
Gauge: *See*—
Electric gauge.
Gear for internal combustion engines, Turning. H. C. Potez. 2,274,430; Feb. 24.
Gear cutter. A. J. Stewart. 2,273,908; Feb. 24.
Gear finishing tool. M. B. Mentley. 2,274,491; Feb. 24.
Gear for compound locomotive engines, Valve. F. M. A. A. Walckenaer. 2,273,913; Feb. 24.
Generator: *See*—
Gas generator.
Glass structure, Pressed tubular. E. Schwarz. 2,274,096; Feb. 24.
Governor, Turntable speed. C. B. Dale. 2,273,938; Feb. 24.
Granules, Manufacture of artificially colored. M. R. Beasley. 2,273,827; Feb. 24.
Granules, Manufacture of artificially colored. E. M. Lines. 2,273,874; Feb. 24.
Grating for coaling stations. A. B. Chapman. 2,274,397; Feb. 24.
Gravity recording system, Specific. P. Ewald. 2,273,850; Feb. 24.
Grinder, Grain. H. M. Johnston. 2,273,868; Feb. 24.
Grip for eyeglasses, Universal nose. E. M. Conneely. 2,274,589; Feb. 24.
Grouting for earth's strata. F. D. Sullivan. 2,274,566; Feb. 24.
Guide for sewing machines, Uncurling. H. Hacklander. 2,274,198; Feb. 24.
Gun recoil damping structure. G. M. Magrum and F. M. Salisbury. 2,273,878; Feb. 24.
Gyroscope, Rate of turn. F. Fischer. 2,274,443; Feb. 24.
Hack saw, Power. W. P. Naegele and F. W. Steenbock. 2,274,497; Feb. 24.
Hair waving device and process. S. G. Stanley. 2,274,170; Feb. 24.
Hand loom. M. O. Gallinger. 2,274,326; Feb. 24.
Hanger: *See*—
Car hanger. Tubing hanger.
Hanger for emergency equipment. R. E. Weaver. 2,274,111; Feb. 24.
Hatch construction. W. L. Chesterman. 2,274,319; Feb. 24.
Hay buck and stacker. Combination. F. Lindgren. 2,273,970; Feb. 24.
Head for decoy ducks. F. P. Riddell. 2,274,246; Feb. 24.
Heat exchange device. R. J. Woods. 2,274,442; Feb. 24.
Heat exchanger. K. B. Ris. 2,274,247; Feb. 24.
Heat exchanger unit. E. A. Dewald. 2,274,233; Feb. 24.
Heat transfer apparatus, Evaporative. F. S. Broadhurst. 2,274,034; Feb. 24.
Heater: *See*—
Automobile heater. Range heater.
Electric water heater. Room heater.
Fluid heater.
Heating apparatus. T. B. Modine. 2,274,492; Feb. 24.
Heating apparatus. M. L. Mueller. 2,274,341; Feb. 24.
Heating apparatus, Air. J. F. Moser. 2,274,494; Feb. 24.
Heating device. J. C. Sharp. 2,274,348; Feb. 24.
Heating means. M. M. Greer. 2,274,445; Feb. 24.
Heating apparatus, Electric. E. S. Smith. 2,273,904; Feb. 24.
Hoist. K. W. Stinson. 2,274,280; Feb. 24.
Hoist control. F. E. Stahl and A. Cotesworth. 2,273,907; Feb. 24.
Hoist, electric. P. Whitcomb. 2,274,175; Feb. 24.
Holder: *See*—
Crystal holder. Knitting stitch holder.
Holder for spoons or the like. R. Seller. 2,274,219; Feb. 24.
Horn, Pneumatic. N. F. Lewis. 2,273,968; Feb. 24.
Hydraulic drill. R. R. Renner. 2,274,431; Feb. 24.
Hydrocarbons, Oxidation of aliphatic. R. A. Gerlicher. 2,274,057; Feb. 24.
Hydrocarbons, Selective oxidation or dehydrogenation of petroleum. H. B. Kipper. 2,274,204; Feb. 24.
Hydrocarbons, Treating. R. P. Dunmire. 2,273,846; Feb. 24.
Hydrocarbons, Vapor phase isomerization of. F. M. McMillan. 2,274,624; Feb. 24.
Hydrofoil, Anticavitation. E. J. Hill. 2,274,200; Feb. 24.
Hydrogen absorber. E. Venable. 2,274,388; Feb. 24.
Hygrometer. G. E. Barnhart. 2,274,290; Feb. 24.
Ignition promoter for diesel fuels, Nitrotype. C. Ellis. 2,274,629; Feb. 24.
Illuminating device, Electric. L. A. Gerstenberger. 2,274,138; Feb. 24.
Indicating device. F. W. Ely and N. Nazar. 2,273,848; Feb. 24.
Indicating instrument, Multiple switch. E. H. Hammond. 2,274,329; Feb. 24.
Indicator: *See*—
Air speed indicator.
Indicator. L. J. Fichter. 2,273,946; Feb. 24.
Indicator for measuring machines, Micrometer. T. W. Hall. 2,273,956; Feb. 24.
Injector for internal combustion engines. S. F. Lemanski. 2,274,241; Feb. 24.
Insect repellent. P. Granett. 2,273,860; Feb. 24.
Insect repellent. P. Granett. 2,274,267; Feb. 24.
Insect trap. J. H. Jackson. 2,274,547; Feb. 24.
Insecticide and moth larvae repellent. I. Hechenbleikner. 2,274,476; Feb. 24.
Insole for shoes. G. Mann. 2,274,205; Feb. 24.
Isosensitive regulator. C. O. Fairchild. 2,274,266; Feb. 24.
Insulating units, The Manufacture of. C. G. Muench. 2,274,495; Feb. 24.
Interconnection system. W. F. Kelley. 2,274,071; Feb. 24.
Interlocking means. K. W. Stinson. 2,274,282; Feb. 24.
Internal combustion engine. B. A. Nordstrom. 2,273,882; Feb. 24.
Internal combustion engine. I. Sklenar. 2,273,900; Feb. 24.
Internal combustion engine. J. Weinberger. 2,274,569; Feb. 24.
Interrupter. G. Bain. 2,273,921; Feb. 24.
Isochlorophyllin-A-sodium and the product thereof, Making. E. G. Snyder. 2,274,102; Feb. 24.
Jewelry attachment. M. Jellinek. 2,274,269; Feb. 24.
Joint: *See*—
Knuckle joint. Universal joint.
Steering knuckle joint. Vulcanized rubber joint.
Joint assembly for shock absorbers and the like. M. Katcher. 2,274,417; Feb. 24.
Knife, Stripping. A. M. Campbell. 2,274,188; Feb. 24.
Knitting and machine therefor. H. Aguinek and L. Mishcon. 2,273,811; Feb. 24.
Knitting device. M. H. Ariani. 2,274,181; Feb. 24.
Knitting machine, Straight-bar. H. W. Start and E. Start. 2,274,565; Feb. 24.
Knitting stitch holder, Hand. H. A. Yates. 2,274,572; Feb. 24.
Knuckle joint. M. Katcher. 2,274,420; Feb. 24.
Lapidary's tool. L. Baumgold. 2,274,520; Feb. 24.
Lapping or polishing machine. T. C. Jarrett. 2,274,332; Feb. 24.
Lamp: *See*—
Fluorescent lamp. Vehicle lamp.
Lamps, Manufacture of photoflash. M. J. N. de Margitta. 2,274,400; Feb. 24.
Lasting machine. F. Ashworth and P. W. Senfleben. 2,274,577; Feb. 24.
Latch for luminaires. H. J. Flaherty. 2,274,404; Feb. 24.
Latch for sliding closures, Safety. O. D. Kingsland. 2,274,552; Feb. 24.
Latch lock. E. Russo. 2,274,259; Feb. 24.
Latch mechanism. W. C. Devereaux. 2,274,362; Feb. 24.
Latch mechanism. H. J. Murphy. 2,274,455; Feb. 24.
Lathe, Automatic. A. Bechler. 2,274,230; Feb. 24.
Lead aluminate pigments and paints and making same. L. E. Barton. 2,273,825; Feb. 24.
Leather, Artificial. R. C. Medi, Jr. 2,273,973; Feb. 24.
Leg connection. G. B. Marzolf. 2,274,077; Feb. 24.
Letter sign, Changeable. G. H. Deaton. 2,274,192; Feb. 24.
Lifter: *See*—
Valve lifter.
Light: *See*—
Fog and driving light.
Light intensity control for sound apparatus, Automatic. M. E. Collins. 2,274,530; Feb. 24.
Lighting fixture. S. Freed. 2,274,444; Feb. 24.
Lighting system. H. C. Doane and A. A. Bluemle. 2,274,322; Feb. 24.
Lint, System of processing. A. K. Schwartz, E. Bradshaw, and F. J. Walker. 2,274,385; Feb. 24.
Liquid dispensing means and stove incorporating same. M. Resek. 2,274,462; Feb. 24.
Lock: *See*—
Latch lock. Transmission rail lock.
Lock washer. D. V. Stellin. 2,274,010; Feb. 24.
Locomotive. J. P. Badenhausen. 2,274,395; Feb. 24.
Locomotive rod bearing seal. R. E. Horger. 2,274,201; Feb. 24.
Loom: *See*—
Hand loom.
Lubricant. J. S. Yule. 2,274,025; Feb. 24.
Lubricant and preparing same. N. D. Williams. 2,274,022; Feb. 24.

Lubricating apparatus. E. W. Davis. 2,274,473; Feb. 24.
Lubricating composition. T. P. Remy. 2,274,305; Feb. 24.
Luggage, Extensible. H. Derman. 2,274,045; Feb. 24.
Luminaire. H. J. Flaherty. 2,274,405; Feb. 24.
Luminescent material. H. W. Leverenz. 2,274,272; Feb. 24.
Luminescent material. R. Puleston and S. T. Henderson. 2,274,163; Feb. 24.
Lunch kit and electric griddle, Combined. F. S. Walker. 2,274,285; Feb. 24.
Machine and process for making slide fastener stringers. R. Rochester. 2,273,994; Feb. 24.
Machine for affixing can openers to cans. F. Millerd. 2,274,301; Feb. 24.
Machine for making slivers or rovings. L. P. Miller. 2,274,423; Feb. 24.
Machine for operating on sheet material. J. R. Oliver. 2,273,887; Feb. 24.
Machine for operating upon hides, skins, leather, and other sheet material. E. E. Winkley. 2,274,114; Feb. 24.
Machine for packing matches. H. Brown. 2,274,035; Feb. 24.
Machine for recovering carbon. E. O. Coats. 2,274,320; Feb. 24.
Machine tool. F. J. Kampmeier and E. M. Bowen. 2,273,870; Feb. 24.
Machinery packing. C. R. Hubbard. 2,273,962; Feb. 24.
Magnesium alloy. A. Burkhardt and R. Knabe. 2,273,831; Feb. 24.
Manifold, Turbulence. J. W. Harrell. 2,273,957; Feb. 24.
Manufacturing articles. A. H. Stewart and P. Kucera. 2,274,105; Feb. 24.
Manure spreader. H. M. Johnston. 2,274,481; Feb. 24.
Marine foundations, Construction of. G. A. McCammon. 2,274,082; Feb. 24.
Marking machine. M. E. Boekeloo. 2,273,816; Feb. 24.
Marking machine. C. E. Edwards. 2,274,595; Feb. 24.
Match book brace. H. Daniel. 2,274,591; Feb. 24.
Mattress. J. E. Allen. 2,274,027; Feb. 24.
Meat cooker, Electrical. H. F. Cramer. 2,274,190; Feb. 24.
Mechanism for preventing overloading. W. J. Miller and A. J. Reek. 2,274,427; Feb. 24.
Merchandising device, Automaton. F. L. Dale. 2,273,836; Feb. 24.
Mercury interrupter. W. S. Brian. 2,273,928; Feb. 24.
Metal articles, Method of and apparatus for surface hardening. A. E. Shorter. 2,274,005; Feb. 24.
Metal castings, Production of. R. W. Bailey. 2,274,580; Feb. 24.
Metal powder, Making. E. P. Carney. 2,273,832; Feb. 24.
Metal shells and arbor for the same, Forming. J. L. Brannon and S. A. Mraz. 2,273,926; Feb. 24.
Metallic magnesium from mixtures of byrillium and magnesium, The removal of. G. Jaeger and A. Rudert. 2,274,237; Feb. 24.
Metallic structures, Method of and means for electrically protecting against corrosion partially submerged linear. G. N. Scott. 2,273,897; Feb. 24.
Meter: *See*—
Exposure meter. Rotary fluid meter.
Metering system for electrical plant use, Variable discount. J. M. Boyle. 2,273,829; Feb. 24.
Metering valve, Temperature compensating. R. W. Johnson. 2,274,145; Feb. 24.
Method and apparatus for treating materials. H. G. Vore. 2,274,284; Feb. 24.
Method of and apparatus for making solder connections. W. E. Ingerson. 2,274,413; Feb. 24.
Method of and apparatus for manufacturing confectionery products. N. M. Thomas. 2,274,464; Feb. 24.
Microscope, Electronic. E. Ruska. 2,274,215; Feb. 24.
Mine, Aerial. E. Bickel. 2,274,264; Feb. 24.
Mineral oil, Compounded. J. O. Clayton, B. B. Farrington, and R. L. Humphreys. 2,274,291; Feb. 24.
Mineral oils, Refining. A. L. Lyman. 2,274,373; Feb. 24.
Mitten. B. Kennedy. 2,274,335; Feb. 24.
Mixer: *See*—
Dough mixer.
Mixing method and apparatus. G. W. Newton. 2,274,245; Feb. 24.
Mold. E. E. Hopkins. 2,274,236; Feb. 24.
Mold and mold making method. F. V. Hart. 2,274,060; Feb. 24.
Motion transmitting mechanism. H. W. Weimer. 2,274,512; Feb. 24.
Motor: *See*—
Rotary motor.
Motor driven hand tool. E. M. Hoover. 2,274,448; Feb. 24.
Motor for food mixers or the like. I. Jepson. 2,274,480; Feb. 24.
Motor pot spindle. F. E. Kelley. 2,274,147; Feb. 24.
Mounting: *See*—
Spindle mounting.
Mud, Stabilized drilling. D. C. Bond and C. W. Botsford. 2,273,925; Feb. 24.
Muffler. C. F. Rauen. 2,274,459–60–61; Feb. 24.
Mulling apparatus. W. F. Piper. 2,274,502; Feb. 24.
Musical instrument, Electrical. L. Hammond. 2,274,199; Feb. 24.
Musical sounds, Method and apparatus for producing. E. L. Kent. 2,274,370; Feb. 24.
Navigation system, Radio. M. Wallace. 2,273,914; Feb. 24.
Nickel deposition, Semibright. A. Wesley and J. W. Carey. 2,274,112; Feb. 24.
Nitrohydroxy-hydrocarbons from hydrocarbons, Preparing. C. Ellis. 2,274,630; Feb. 24.
Noise limiting device. R. L. Campbell. 2,273,934; Feb. 24.
Nozzle sprayer plates, Making. R. C. Brierly and E. H. Wiley. 2,273,830; Feb. 24.
Nut fastened installation. G. A. Tinnerman. 2,274,014; Feb. 24.
Oil burner. S. Ziegler. 2,274,573; Feb. 24.
Oil composition, Lubricating. T. P. Remy. 2,274,617; Feb. 24.
Oil composition, Stabilized viscous mineral. L. A. Hamilton and E. W. Fuller. 2,273,862; Feb. 24.
Oil, Compounded. L. H. Mullt. 2,274,302; Feb. 24.
Oil conversion, Hydrocarbon. B. Sheppard. 2,274,003; Feb. 24.
Oil, Core. T. P. Remy. 2,274,618; Feb. 24.
Oil primer. W. E. Paulsen. 2,273,888; Feb. 24.
Oil reclaiming apparatus. L. Ehlers. 2,274,132; Feb. 24.
Oil refiner pack. A. R. White. 2,274,113; Feb. 24.
Oil sands one of which requires pumping, Producing from spaced. O. Hammer. 2,274,407; Feb. 24.
Oil seal for moving parts. E. D. Ekkebus and J. C. Gallagher. 2,274,234; Feb. 24.
Oil well pumping unit. J. M. Hartgering and C. M. Perkins. 2,274,601; Feb. 24.
Olefin polymerization. H. M. Guinot. 2,274,328; Feb. 24.
1-amino-5-nitro-anthraquinone, Preparing. D. X. Klein. 2,273,966; Feb. 24.
Ophthalmic lens, Multifocal. L. L. Houchin. 2,274,142–3; Feb. 24.
Optical system. W. D. Wright. 2,274,116; Feb. 24.
Organic compounds, Separation of. J. E. Bludworth. 2,273,923; Feb. 24.
Oscillograph, Moving luminescent screen. G. Asher and F. E. Hoecker. 2,274,182; Feb. 24.
Outlet construction, Continuous. W. H. Frank and A. S. Bassette. 2,274,136; Feb. 24.
Oven, Underfired coke. C. Otto. 2,273,885; Feb. 24.
Oven, Regenerative coke. C. Otto. 2,273,886; Feb. 24.
Oxides of substituted phenothioxins. F. B. Smith and H. W. Moll. 2,273,905; Feb. 24.
Package. G. E. Sanders. 2,274,278; Feb. 24.
Package and making the same. F. D. Palmer. 2,274,344; Feb. 24.
Packaging method and machine. F. D. Palmer. 2,274,345; Feb. 24.
Pad: *See*—
Shoulder pad.
Pad for handles, Gripping. R. Hoffmeister. 2,274,605; Feb. 24.
Pan, Drag. E. Livesey and P. Copeland. 2,273,875; Feb. 24.
Panel, Hydraulic feed control. K. R. Herman, F. T. Harrington, and L. R. Twyman. 2,274,603; Feb. 24.
Paper container and protector. H. Carew. 2,274,037; Feb. 24.
Paper feed for wrapping machines. W. Hoppe. 2,273,961; Feb. 24.
Paraffin cutter. C. H. Sweet. 2,274,107; Feb. 24.
Parasiticidal material. A. K. Epstein and B. R. Harris. 2,273,849; Feb. 24.
Patterns under vacuum, Method of and apparatus for investing. C. H. Brace. 2,274,186; Feb. 24.
Pen, Fountain. F. F. Boyle and W. H. Lindemon. 2,274,470; Feb. 24.
Pencil lead. I. Chesler. 2,273,935; Feb. 24.
Pencil, Mechanical. C. E. Wehn. 2,274,311; Feb. 24.
Permeable bodies, Producing. H. J. Scheilhammer and D. H. Coursen. 2,274,260; Feb. 24.
Petroleum, Desalting. F. E. Wellman. 2,273,915; Feb. 24.
Phase and frequency variation response circuit. H. M. Bach. 2,274,184; Feb. 24.
Photographic film packs, Marking the flaps and the films for. A. Miller and E. Schnitzler. 2,274,556; Feb. 24.
Photometer. L. H. Dawson. 2,273,838; Feb. 24.
Picker for textile fibers. F. A. Conley. 2,274,360; Feb. 24.
Piezoelectric crystal apparatus. W. P. Mason. 2,274,079; Feb. 24.
Piezoelectric resonator circuit. W. R. Koch. 2,274,486; Feb. 24.
Pigment substances, Production of finely divided. C. E. Berry. 2,274,521; Feb. 24.
Pipe: *See*—
Smoking pipe.
Piston. D. C. Pickett. 2,273,986; Feb. 24.
Piston. C. J. Perry. 2,274,304; Feb. 24.
Piston ring scale. H. M. Olson. 2,274,210; Feb. 24.
Plaque, Pyrometric cone. H. S. Orth, C. R. Oberst, and W. E. Cramer. 2,274,343; Feb. 24.
Pliers, Weight removing. T. Carrigan. 2,274,126; Feb. 24.

Plow, Disk. W. C. Carter. 2,274,038; Feb. 24.
Plug: *See*—
Attachment plug. Fishing plug.
Polarity control system. J. H. Blankenbuehler. 2,274,356; Feb. 24.
Pole guying fixture. A. B. Chance. 2,274,528; Feb. 24.
Polishing wheel. H. R. Benbow. 2,274,185; Feb. 24.
Polymerizing polymerizable materials containing more than one polymerizable grouping. M. A. Pollack, I. E. Muskat, and F. Strain. 2,273,891; Feb. 24.
Polystyrene, Treatment of. I. Allen, Jr. 2,273,822; Feb. 24.
Polyvinyl halide. A. B. Japs. 2,274,555; Feb. 24.
Portable laundry rack. A. L. Campbell. 2,273,933; Feb. 24.
Portfolio, brief case, and the like. C. Doppelt. 2,274,536; Feb. 24.
Positioning device, Step by step. F. Richardson. 2,274,564; Feb. 24.
Posting machine, Installment. W. A. Anderson. 2,274,575; Feb. 24.
Pottery ware, Method and apparatus for manufacturing. W. J. Miller. 2,274,426; Feb. 24.
Pouch. A. N. Spanel. 2,273,906; Feb. 24.
Precision rolling disk colter. P. Stoner. 2,274,438; Feb. 24.
Press: *See*—
Printing press.
Pressure device for molding plastics, Multiple. F. H. Shaw. 2,274,279; Feb. 24.
Pressure vessel. T. Tinker. 2,274,439; Feb. 24.
Printing press. O. C. Roesen. 2,274,167; Feb. 24.
Process improvement for solvent extracting operations. G. T. Atkins, Jr. 2,274,030; Feb. 24.
Projection apparatus, Opaque and slide. L. Ceroni. 2,273,936; Feb. 24.
Projector for automobile doors, Arm. C. S. Allen. 2,274,026; Feb. 24.
Propeller, Variable-pitch. C. Keller. 2,274,334; Feb. 24.
Protractor. A. G. Bauer. 2,274,582; Feb. 24.
Pruning device, Power driven. L. O. B. Lindstrom and A. E. Smith. 2,274,421; Feb. 24.
Puller: *See*—
Dandelion and weed puller.
Pulp article, Resin-bearing molded. E. E. Sawyer. 2,274,095; Feb. 24.
Pump: *See*—
Reciprocating pump.
Pump and metering device, Fluid. A. R. Pezzillo. 2,274,274; Feb. 24.
Pumping system. H. F. Vickers. 2,274,224; Feb. 24.
Push pole structure. E. W. Austin. 2,274,183; Feb. 24.
Rack: *See*—
Display rack. Portable laundry rack.
Radio apparatus. C. F. Sheaffer. 2,274,434; Feb. 24.
Radio communication by means of polarization modulation, System of. G. L. Usselman. 2,273,911; Feb. 24.
Rail connection. B. C. Monroe. 2,274,493; Feb. 24.
Railway car end construction. H. D. Breen and A. F. O'Connor. 2,274,472; Feb. 24.
Railway signal system. H. A. Thompson. 2,274,283; Feb. 24.
Railway signaling apparatus. E. M. Allen. 2,274,289; Feb. 24.
Railway vehicle. C. Breer. 2,274,471; Feb. 24.
Range construction. C. M. Mayer. 2,274,299; Feb. 24.
Range construction. A. P. Schulz. 2,274,433; Feb. 24.
Range heater. L. A. Althoff. 2,274,229; Feb. 24.
Razor, Safety. L. C. Guertin. 2,274,141; Feb. 24.
Receptacle for garbage cans. J. V. Kyle. 2,274,451; Feb. 24.
Reciprocating pump. F. R. Simms and B. C. Joy. 2,273,896; Feb. 24.
Recoil device. R. H. S. Hughes. 2,274,239; Feb. 24.
Record, Sound. L. A. Herzig. 2,273,863; Feb. 24.
Reed for musical instrument. A. Montenare. 2,274,375; Feb. 24.
Reel: *See*—
Cable reel. Clothesline reel.
Refining process. W. H. Rupp. 2,274,094; Feb. 24.
Reflector and fixture. H. S. Johnston. 2,274,612; Feb. 24.
Reflector, Collinear. A. F. Eckel. 2,273,847; Feb. 24.
Refrigerating apparatus. J. G. Ritter. 2,274,337; Feb. 24.
Refrigerating machine. L. W. Atchison. 2,274,394; Feb. 24.
Refrigerating system. N. H. Hiller, Jr. 2,274,292; Feb. 24.
Refrigerating system and evaporator therefor. J. R. Zwickl. 2,274,391; Feb. 24.
Refrigerator. C. D. Bonsall. 2,274,123; Feb. 24.
Reed-forming device. W. J. Griffiths. 2,274,542; Feb. 24.
Refrigeration apparatus. E. B. Miller. 2,274,613; Feb. 24.
Regulator: *See*—
Isosensitive regulator. Voltage regulator.
Relay, Time delay. P. W. Swenson. 2,274,013; Feb. 24.
Remote control system for toy electric railroads. A. Ehret and H. J. Ferri. 2,274,538; Feb. 24.
Remotely adjustable control. A. B. Newton. 2,274,254; Feb. 24.
Repairing tool. F. E. Blair. 2,274,032; Feb. 24.
Resilient support. M. F. A. Julien. 2,273,869; Feb. 24.
Resins, Catalytic conversion of urea-formaldehyde. T. S. Hodgins and A. G. Hovey. 2,274,447; Feb. 24.
Resistance material and making same. E. F. Dearborn. 2,274,592; Feb. 24.
Resistances, Production of. W. Dorn. 2,273,941; Feb. 24.
Resistor, Liquid cooled. L. W. Richardson. 2,274,381; Feb. 24.
Retort for mercury and the like, Recovery. W. Brotherton. 2,273,929; Feb. 24.
Reversing switch. L. L. Patrick and C. V. Doech. 2,274,563; Feb. 24.
Ring: *See*—
Wheel rim decorative ring.
Roll for pickling vats and the like, Strip supporting. P. J. Shepherd. 2,274,504; Feb. 24.
Roller bearing axle construction. W. L. Scribner. 2,274,218; Feb. 24.
Roller or ball bearing. W. Roterberg. 2,273,895; Feb. 24.
Rollers, Making coating deposit. R. B. Leech. 2,273,967; Feb. 24.
Roofing, Sheet. J. Congleton, Jr. 2,274,189; Feb. 24.
Room heater. E. C. Booth. 2,274,469; Feb. 24.
Rotary fluid meter. W. H. Marsh. 2,274,206; Feb. 24.
Rotary motor. R. C. Boyer. 2,274,232; Feb. 24.
Rubber and product obtained thereby, Preserving. J. R. Ingram. 2,274,368; Feb. 24.
Rubber articles, Lining of. J. Rogerson and F. W. Warren. 2,273,995; Feb. 24.
Rubber composition, Age resisting. J. R. Ingram. 2,274,367; Feb. 24.
Rubber composition, Synthetic. E. Ott. 2,273,983; Feb. 24.
Rubber Compositions, Preservation of semihard. R. O. Hendrix. 2,274,602; Feb. 24.
Rubber hydrochloride, Stable. W. C. Calvert. 2,274,588; Feb. 24.
Safety appliance. H. L. Tedrow. 2,274,222; Feb. 24.
Safety device for liquid heaters, Lack-of-liquid. F. Weber. 2,274,017; Feb. 24.
Safety plug and by-pass. W. D. Osborn. 2,273,984; Feb. 24.
Safety stop for hoists. K. W. Stinson. 2,274,281; Feb. 24.
Salts of amino-phenyl-stibonic acid, Glucamine. R. L. Despois. 2,274,593; Feb. 24.
Sand blasting machine. M. T. Swisher. 2,274,172; Feb. 24.
Screen. H. Derman. 2,274,047; Feb. 24.
Screen grid tube. J. E. Beggs. 2,274,354; Feb. 24.
Screens, Manufacture of projection. H. H. Parrett. 2,274,501; Feb. 24.
Screw driver. E. B. Green. 2,273,861; Feb. 24.
Seal. H. P. Fisher. 2,274,324; Feb. 24.
Seal for gas generating sets, Wash-box. C. J. Smith. 2,274,006; Feb. 24.
Seat construction. C. H. Widman. 2,274,176; Feb. 24.
Seed gathering apparatus. M. Moots. 2,274,340; Feb. 24.
Self-scaling tube. G. T. Jacocks. 2,274,066; Feb. 24.
Sender for telephone systems, Key pulsing. M. S. Snell and E. P. G. Wright. 2,274,100; Feb. 24.
Separator: *See*—
Battery separator.
Sewing machine, Lockstitch. J. R. Oliver. 2,274,429; Feb. 24.
Shaft bearing. F. H. Wieland. 2,274,286; Feb. 24.
Shear, High speed rotary flying. W. W. Macfarren. 2,274,452; Feb. 24.
Sheet-delivery mechanism. J. Sinkovitz and J. Kunz. 2,273,899; Feb. 24.
Sheet feeding mechanism. W. H. Ayres. 2,273,823; Feb. 24.
Sheet wrapping material, Moistureproof. J. A. Mitchell 2,273,880; Feb. 24.
Shelf, Refrigerator. C. R. Carney. 2,274,125; Feb. 24.
Shingle. W. E. Maxey. 2,273,879; Feb. 24.
Shock absorbing system. L. E. Willard. 2,274,227; Feb. 24.
Shoe. F. E. Mitulski. 2,274,085; Feb. 24.
Shoe calk. L. W. Nitkey. 2,274,559; Feb. 24.
Shoemaking apparatus. F. Ashworth and P. W. Senfleben. 2,274,578; Feb. 24.
Shoemaking method. F. Ashworth and P. W. Senfleben. 2,274,576; Feb. 24.
Shoes, Making. W. M. Altenburg. 2,274,028; Feb. 24.
Shoe-shaping machine. G. Hazelton. 2,274,063; Feb. 24.
Short-circuited winding for induction machines. V. Kauders. 2,274,070; Feb. 24.
Shoulder pad. S. Vogel. 2,274,261; Feb. 24.
Shuttle. C. A. Anderson. 2,274,516; Feb. 24.
Sign: *See*—
Letter sign.
Sign and reflecting unit therefor, Reflecting. C. A. Persons. 2,274,212; Feb. 24.
Signal: *See*—
Traffic signal.
Silicates of zirconium and making same, Double. C. J. Kinzie. 2,273,871–2; Feb. 24.
Sintering machine. C. E. Agnew. 2,273,821; Feb. 24.
Ski exercising machine. F. Mautin. 2,274,081; Feb. 24.
Sleeve and mitten, Combination. M. Wohl, M. Cohen, and I. J. Roitman. 2,274,510; Feb. 24

Sleeve valve internal combustion engine. E. H. Godfrey. 2,274,197; Feb. 24.
Slicer. R. W. Linenfelser. 2,273,969; Feb. 24.
Slicer device. L. E. Evans. 2,274,193; Feb. 24.
Slicing machine. C. F. M. van Berkel. 2,274,626; Feb. 24.
Slicing machine. W. A. van Berkel and C. Montreux. 2,274,627; Feb. 24.
Slicing machine. A. Van Duyn. 2,274,628; Feb. 24.
Slide closure for containers. H. W. Rueger. 2,273,998–9; Feb. 24.
Slider for slide fasteners, Locking. B. S. Franklin. 2,274,540; Feb. 24.
Slider for slide fasteners, Molded. N. J. Poux. 2,274,161; Feb. 24.
Sliver making machine. L. P. Miller. 2,274,424; Feb 24.
Slivers, Making. L. P. Miller. 2,274,425; Feb. 24.
Smoking device. W. C. Gesek. 2,273,858; Feb. 24.
Smoking pipe. B. E. Simpson. 2,274,386; Feb. 24.
Soap composition. H. Beller and J. J. Owen. 2,274,584; Feb. 24.
Socket adapter. F. D. Bryant and W. R. Young. 2,274,357; Feb. 24.
Sound control. M. W. Freeman. 2,274,599; Feb. 24.
Sound on endless tapes coated with wax, Installation for mechanically recording. H. Westerkamp. 2,273,916; Feb. 24.
Sound recording and reproduction, Stereophonic. G. Holst and K. de Boer. 2,273,866; Feb. 24.
Spark plug, Insulator. J. A. Jeffery. 2,274,067; Feb. 24.
Spark plugs, Making. H. Rabezzana. 2,273,990; Feb. 24.
Spindle carrier locking mechanism. A. E. Drissner. 2,273,844; Feb. 24.
Spindle mounting. F. E. Kelley. 2,274,146; Feb. 24.
Square and method for drafting patterns, Tailor's. V. Ficcio. 2,274,054; Feb. 24.
Stand for work tables. F. E. Klinke. 2,274,553; Feb. 24.
Stapling machine. W. G. Pankonin. 2,274,211; Feb. 24.
Starting switch. L. W. Cook. 2,274,399; Feb. 24.
Steak, Tendering. N. J. Simpkins. 2,274,250; Feb. 24.
Steam valve. G. N. Spence. 2,274,436; Feb. 24.
Steel heating, severing, and forming machine, Spring. A. H. Kersting. 2,274,072; Feb. 24.
Steering knuckle joint. M. Katcher. 2,274,418; Feb. 24.
Steering wheel attachment. A. A. Johnson. 2,274,069; Feb. 24.
Sterilizing unit, Portable. E. L. Koch and E. B. Hallihan. 2,274,298; Feb. 24.
Stick handling device, Portable. N. M. Thomas and H. Siemund. 2,274,625; Feb. 24.
Strainer. D. O. Brant. 2,273,927; Feb. 24.
Strap, Chin. R. B. Kalbach. 2,273,964; Feb. 24.
Suction control of timing, Automatic. J. L. Arthur. 2,274,316; Feb. 24.
Suction conveying and feeding apparatus. J. M. Cook. 2,274,590; Feb. 24.
Sulphonating process. W. Meiser. 2,273,974; Feb. 24.
Support: *See*—
Cake and candle support. Resilient support.
Surgical dressing and applying the same, Adhesive. E. F. Klein. 2,273,873; Feb. 24.
Swing. E. W. Walter. 2,274,310; Feb. 24.
Switch: *See*—
Electric switch. Starting switch.
Reversing switch. Thermostatic switch.
Switch. H. J. Murphy. 2,274,454; Feb. 24.
Switch. G. Welder and C. Wilson. 2,274,019; Feb. 24.
Switch and light fixture, Electric. T. J. Mudon. 2,274,377; Feb. 24.
Switch operator, Solenoid. W. H. Murray. 2,274,558; Feb. 24.
Switches, Timing of electromagnetic. A. Pinto. 2,273,988; Feb. 24.
Switching device, especially for machine tools. V. Jereczek. 2,273,963; Feb. 24.
Switching mechanism, Automatic. A. E. Baak. 2,274,119; Feb. 24.
Table top, Ironing. H. B. Fay and T. H. Fay. 2,274,598; Feb. 24.
Table top, Slotted ironing. H. B. and T. H. Fay. 2,273,851; Feb. 24.
Tables, Collapsible end leaf construction for. J. Cooper. 2,274,531; Feb. 24.
Tabulating machine. J. T. Ferry. 2,274,053; Feb. 24.
Tabulator. W. L. Collier. 2,274,040; Feb. 24.
Tabulator. J. Mueller. 2,274,088; Feb. 24.
Tag dispenser. H. C. Feltman. 2,274,051; Feb. 24.
Tailor's square and method for drafting patterns. V. Ficcio. 2,274,054; Feb. 24.
Tape dispenser. W. H. Hawkins. 2,274,623; Feb. 24.
Telegraph apparatus, Printing. C. W. Swan. 2,273,909–10; Feb. 24.
Telegraph printing system. J. A. Spencer. 2,274,103; Feb. 24.
Telemetering system. R. G. Jewell. 2,274,415; Feb. 24.
Television. A. J. Cawley. 2,274,039; Feb. 24.
Television scanning. S. Hansen. 2,274,366; Feb. 24.
Temperature control apparatus. H. T. Kucera. 2,274,371; Feb. 24.
Temporary fastener. C. M. Johnson. 2,274,549; Feb. 24.
Testing device for internal combustion motors. E. A. Morrison. 2,274,086; Feb. 24.
Textile fabrics, Printing of. I. Gubelmann. 2,274,544; Feb. 24.
Thermostatic switch. C. J. Werner. 2,274,312; Feb. 24.
Thrust ball bearing. M. Katcher. 2,274,419; Feb. 24.
Timing device and method. C. J. Penther. 2,274,158; Feb. 24.
Titanium metal, Powdered. G. F. Comstock and V. V. Efimoff. 2,273,734; Feb. 24.
Toaster, Automatic. A. M. Young. 2,273,917; Feb. 24.
Tongs, Strip shifting. W. E. Dougherty. 2,273,843; Feb. 24.
Tool: *See*—
Boring tool. Lapidary's tool.
Bucking tool. Machine tool.
Electrically heated tool. Motor driven hand tool.
Gear finishing tool. Repairing tool.
Torch, Welding. R. Meredith. 2,274,631; Feb. 24.
Torque transmission device. A. L. Donahew. 2,273,842; Feb. 24.
Towel cabinet. L. F. Mustec. 2,274,155; Feb. 24.
Toy cannon or howitzer. P. M. Stephens. 2,274,009; Feb. 24.
Toy for blowing bubbles. M. Feder. 2,274,052; Feb. 24.
Traction device. C. P. Galanot and J. A. Watson, Jr. 2,273,950; Feb. 24.
Traction device for motor vehicles. C. P. Galanot and J. A. Watson, Jr. 2,273,949; Feb. 24.
Traction lug. W. V. Coate. 2,273,937; Feb. 24.
Traction wheel. J. Zahradnik. 2,274,180; Feb. 24.
Traffic signal. W. A. Weed. 2,274,018; Feb. 24.
Transfer car. W. Whaley. 2,274,313–14; Feb. 24.
Transformer, Electrical. K. M. Hughes and R. Overholt, Jr. 2,274,296; Feb. 24.
Transformer, Variable reactance. J. Tyrner. 2,274,015; Feb. 24.
Transmission control in two-way signaling system. L. G. Abraham. 2,274,392; Feb. 24.
Transmission, Flexible. E. C. Horton. 2,274,295; Feb. 24.
Transmission line, Frequency selective. H. O. Roosenstein. 2,274,346; Feb. 24.
Transmission rail lock. O. E. Fishburn. 2,274,539; Feb. 24.
Transmission, Two-way speech. H. J. Fisher. 2,273,945; Feb. 24.
Transmitting system. E. A. Laport. 2,274,271; Feb. 24.
Transparent container. A. C. Gilbert. 2,274,196; Feb. 24.
Trap: *See*—
Insect trap.
Traveling block. D. M. Smith and W. H. Fisher. 2,274,099; Feb. 24.
Trimmer. F. Pernack and W. A. Schulte. 2,274,561; Feb. 24.
Trimming mechanism for grinder wheels. I. J. Gruenberg. 2,274,543; Feb. 24.
Truck for lawn mowers, Transport. W. F. Krenzke. 2,274,487; Feb. 24.
Truck, Lift. G. Quayle. 2,274,164; Feb. 24.
Tube: See—
Cathode ray tube. Screen grid tube.
Collapsible tube. Self-sealing tube.
Electric discharge tube.
Tube mill lining. W. L. Howes. 2,274,331; Feb. 24.
Tubes, Making rifled extruded. J. Karmazin. 2,274,550; Feb. 24.
Tubes, Producing seamless. B. Bannister and G. J. Kirchner. 2,274,579; Feb. 24.
Tubes, Producing seamless. B. Bannister and G. J. Kirchner. 2,274,581; Feb. 24.
Tubing hanger. J. H. Howard and J. H. McEvoy. 2,274,477; Feb. 24.
Tying machine. B. H. Bunn. 2,274,525–6; Feb. 24.
Universal joint. E. B. Anderson. 2,273,920; Feb. 24.
Universal joint. B. T. Morgan and A. K. A. Christian. 2,274,154; Feb. 24.
Upholstery panel, Decorative. C. E. Carpenter. 2,273,833; Feb. 24.
Vacuum cleaner. G. W. Norrick. 2,273,883; Feb. 24
Vacuum cleaner attachment. T. W. Ott. 2,274,560; Feb. 24.
Valve: *See*—
Expansion valve. Metering valve.
Fluid control valve. Steam valve.
Valve. A. Rappl. 2,274,276; Feb. 24.
Valve for pumps. R. P. Miller. 2,274,084; Feb. 24.
Valve lifter. G. W. Hiley. 2,274,604; Feb. 24.
Valve mechanism for musical wind instruments, Control. A. Montenare. 2,274,376; Feb. 24.
Vanilla beans, Curing. A. K. Balls, A. G. Kevorkian, and F. E. Arana. 2,274,120; Feb. 24.
Vehicle: *See*—
Railway vehicle.
Vehicle brake. J. H. Pratt, G. E. Manley, and A. H. G. Girling. 2,274,213; Feb. 24.
Vehicle lamp. H. J. Sauer. 2,274,217; Feb. 24.
Vehicle rocking device. W. A. Swan. 2,274,619; Feb. 24.
Vehicle, Railway. R. N. Janeway. 2,274,483–4; Feb. 24.
Vehicle, Railway. R. N. Janeway. 2,274,484; Feb. 24.
Vehicle suspension. L. R. Baker. 2,274,518; Feb. 24.
Vending machine, Coin-freed. H. Preusantanz. 2,274,214; Feb. 24.

Vending machine, Newspaper. R. Bartel and W. Kirkendall. 2,273,814; Feb. 24.
Vest and constructing the same, Infant's. J. S. Ehrman, W. F. Williams, and N. L. Breslauer. 2,273,943; Feb. 24.
Vinyl compositions, Quick-setting. J. W. Raynolds. 2,274,616; Feb. 24.
Vise mechanism. E. A. Odin. 2,274,428; Feb. 24.
Voltage regulator circuit. P. C. Gardiner. 2,274,364–5; Feb. 24.
Vulcanized rubber joint. B. V. Mitchell. 2,273,976–7; Feb. 24.
Wall panel securing frame. W. L. Bonnell. 2,274,317; Feb. 24.
Wallpaper steaming device. B. Barber. 2,273,813; Feb. 24.
Washer: *See*—
Lock washer.
Washer. F. X. Velton. 2,274,309; Feb. 24.
Washing apparatus. F. J. Osuch. 2,274,500; Feb. 24.
Washing machine. G. W. Dunham. 2,274,402; Feb. 24.
Watch, Wrist. M. Merz. 2,274,207; Feb. 24.
Wave system, Carrier. J. T. Dixon. 2,274,535; Feb. 24.
Wax dispersion and preparing same. H. C. Thompson. 2,274,509; Feb. 24.
Wax from oils, Separating. M. H. Tuttle. 2,274,223; Feb. 24.
Weatherproof cabinet. C. W. Strong and R. M. Walker. 2,274,106; Feb. 24.
Welder, Traveling repeat. E. G. Biederman. 2,274,122; Feb. 24.
Welding mechanism. A. B. Willsey. 2,274,514; Feb. 24.
Welding, Multiple spot. R. Schiff. 2,274,169; Feb. 24.
Well drilling, Automatic weight control in. W. A. Loomis. 2,274,339; Feb. 24.
Well spider. E. J. Miller. 2,274,273; Feb. 24.
Well surveying method. S. A. Scherbatskoy and J. Neufeld. 2,274,248; Feb. 24.
Wheel: *See*—
Built-up wheel. Polishing wheel.
Electric motor wheel. Traction wheel.
Wheel assembly, Dual. C. S. Ash. 2,274,353; Feb. 24.
Wheel rim decorative ring. W. A. Mulhern. 2,274,496; Feb. 24.
Window cleaning system. E. C. Horton. 2,274,294; Feb. 24.
Window operating mechanism. D. L. Chandler, G. W. Ewing, and F. H. Walker. 2,274,265; Feb. 24.
Windshield cleaner. W. J. Chellew. 2,273,817; Feb. 24.
Wiper blade. R. E. Rousseau and H. W. Clum. 2,274,277; Feb. 24.
Wire dereeling. P. E. Chapman, Jr. 2,274,128; Feb. 24.
Wire straightening device. W. H. Buck. 2,274,036; Feb. 24.
Wire supporting and joining fixture. W. J. Hill and H. F. Stover. 2,274,411; Feb. 24.
Wrench and diestarter, Combination. C. A. Ostas. 2,273,982; Feb. 24.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 24, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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In re Application of Oberlin, Limbach and Day for License Under Public Act No. 239

This is a renewed petition under Public Act No. 239—77th Congress, chapter 393, 1st session, for a license to send to England a communication in the form of a letter suggesting amendments to claims in an application for patent filed in Germany several years before the recent declaration of a state of war between the United States and that country. Petitioners contend that "It is not considered that measures necessary for the protection of our country were intended to be arbitrarily applied to harass our citizens and limit needlessly their efforts to secure patent protection for their inventions, when such invention had been fully disclosed and licensed in an enemy country years before the present situation arose," and insists that a license be issued unless definite authority is cited making necessary a refusal.

The question of the propriety and advisability of granting a license under Public Act No. 239 is determined not only by a consideration of the question of whether the information desired to be exported is such as would naturally be suggested by the record of the application for patent pending in a foreign country, but also all factors pertinent to the grant of a license by the Treasury Department and the Office of Economic Warfare, and the rules adopted by the Office of Censorship (which administers a part of the Trading with the Enemy Act of October 6, 1917) should be taken into account.

This Office will not issue a license under Public Act No. 239 in any case where a license to export the technical information involved is refused by any other Federal department or agency, or in any case where it would not be permissible to forward the licensed material. To do so would put the Office in the position of authorizing under one Act of Congress the doing of a thing which is prohibited under other Acts of Congress as administered by other governmental establishments.

This Office has been advised by the Office of Censorship that postal communication with enemy or enemy-occupied countries is illegal, and will not be permitted, except (*a*) through the agency of the American Red Cross, which will transmit short messages of a personal nature, and (*b*) communications with prisoners of war.

It not having been shown either that a license has been or will be granted pursuant to the Trading with the Enemy Act, or that the licensed material will be passed by the Office of Censorship, this petition must be, and is, denied.

CONDER C. HENRY,
Assistant Commissioner.

Notice

This Office has received, under date of September 10, 1941, a communication from the Acting Secretary of the Treasury reading in part as follows:

"Reference is made to General License No. 72 and Public Circular No. 5 issued by the Treasury Department on September 3, 1941, relating to patents.

"Inquiries have been received as to whether or not it is necessary, in submitting the reports required on Form TFR-172, to attach thereto a copy of the application for Letters Patent on file in the United States Patent Office which has been certified by the United States Patent Office.

"The Treasury Department is not presently requiring that applications for Letters Patent filed in the United States Patent Office which are required to be submitted in connection with the reports on Form TFR-172, or in connection with any other reports required by the aforementioned general license or public circular, be certified by the United States Patent Office. It is sufficient for the purposes of the requirement referred to above that such applications be certified by an attorney or agent who is duly registered to practice before the United States Patent Office or entitled to recognition thereby, or in lieu thereof, by submission of a copy which has been certified by the United States Patent Office."

CONDER C. HENRY,
Assistant Commissioner.

Order No. 3588

In accordance with instructions issued by the Director of the Budget with the authority of the President, it is hereby directed that the following portions of the Patent Office be transferred to Richmond, Virginia, beginning on January 31, 1942:

Supervisory Examiners,
Law Examiners,
Interference Division,
Classification Division,
Examining Divisions 1 to 65 inclusive,
Design Division,
Draftsman's Division,
Docket Division,
Law Library.

CONWAY P. COE,
Commissioner.

508092
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Condition of Applications Under Examination at Close of Business January 17, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,104; Trade-Mark Division, 1,440. Oldest new case, Apr. 19, 1941; oldest amended, Apr. 19, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 29	May 29	717
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 2	July 15	606
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 16	Oct. 14	524
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 9	Sept. 20	439
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 11	Aug. 2	466
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 8	July 10	958
5725	7. JARBOE, C. G., Optics; Photography	July 23	June 18	1,009
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	July 23	825
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 12	July 30	533
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 29	June 5	762
5087 B	11. BENHAM, F. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 2	Oct. 4	375
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 20	Aug. 2	554
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	June 6	630
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 24	Sept. 20	555
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 21	June 20	1,146
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 13	Sept. 13	442
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	June 19	808
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Aug. 9	501
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 10	July 10	655
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 8	370
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 13	Aug. 16	328
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 19	Apr. 19	1,490
7824	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	230
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 25	Aug. 16	771
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 8	Sept. 2	566
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 12	Sept. 5	383
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	July 12	July 28	500
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 24	295
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 10	July 14	668
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 11	Oct. 10	320
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 28	July 26	1,478
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 13	June 23	846
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 17	June 18	865
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 18	July 22	339
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	June 12	June 13	870
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 2	Aug. 12	589
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 10	Sept. 27	507
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	June 2	June 4	697
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Sept. 25	440
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	June 27	June 28	1,583
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 7	Aug. 2	544
5882	42. CUTTING, H. O., Electric Signaling	Aug. 29	Aug. 22	353
4986 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 8	July 22	628
4067 B	44. HARVEY, L. P., Refrigeration	Aug. 8	Aug. 1	400
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 7	Nov. 7	256
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 11	July 11	780
6082	47. KANOF, W. J., Clutches; Brakes	July 24	July 3	403
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 21	July 22	712
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 8	July 11	654
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 17	July 17	1,307
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 3	Nov. 1	312
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 4	Sept. 4	457
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 11	Apr. 28	584
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 1	Sept. 20	291
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 30	Aug. 22	303
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 31	May 31	1,365
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 12	Oct. 6	251
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 29	Oct. 14	401
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 4	June 6	1,080
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 13	Aug. 23	333
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 4	July 16	674
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 7	Aug. 9	633
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 30	July 1	1,165
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 21	July 16	1,498
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 27	Sept. 11	393
2099 B	Trade-Marks: F. A. RICHMOND	Nov. 21	Dec. 10	1,440
2505	Designs: H. H. KALUPY	Nov. 29	Dec. 12	687

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

RADTKE PATENTS CORPORATION AND ALBERT A. RADTKE, WHITSON PHOTOPHONE CORPORATION AND DELMAR A. WHITSON

v.

COE, COMMISSIONER OF PATENTS, AMERICAN TRI-ERGON CORPORATION, AND TRI-ERGON HOLDING A. G.

No. 7,577. Decided June 9, 1941

[121 F.(2d) 103]

BRIEF—MOTION TO STRIKE.

Motions to strike portions of the briefs of W and W corporation on the ground that they contain irrelevant, immaterial and scurrilous matter granted as indicated.

On Motion to Strike Portions of Briefs of Whitson Photophone Corporation and Delmar A. Whitson. Granted as indicated

Mr. Leonard Day, Mr. A. K. Shipe, Mr. Walter E. Gallagher, and *Mr. John J. Sirica* for Radtke Patents Corporation and Mr. Albert A. Radtke.

Mr. Joseph A. Shay and *Mr. Thomas Ball* for Whitson Photophone Corporation and Mr. Delmar A. Whitson.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Mr. Leslie C. Garnett, Mr. Samuel F. Beach, and *Mr. Kenneth S. Neal* for American Tri-Ergon Corporation and Tri-Ergon Holding A. G.

By leave of court, *Mr. Fulton Brylawski* filed a brief as amicus curiae.

By leave of court, *Mr. Brien McMahon* was permitted to appear specially in support of motion to strike portions of briefs of Whitson Photophone Corporation and Mr. Delmar A. Whitson.

Before STEPHENS, MILLER and RUTLEDGE, Associate Justices

PER CURIAM:

In this case a motion was made to strike certain portions of the briefs, which were filed on behalf of appellants Whitson and Whitson Photophone Corporation, on the ground that they contain irrelevant, immaterial and scurrilous matter. The motions are granted, without limitation, so far as they concern references to judges of the United States courts, to the United States Department of Justice and its officers; to the United States Patent Office and its officers; and to Brien McMahon and Walter E. Gallagher. There is nothing in the record to support the charges and innuendoes, which appear in Whitson's brief, against these offices and individuals; or against others who appeared as witnesses on behalf of Whitson's opponents in the various proceedings. The motions are granted, also, so far as they concern references to Leonard Day and Larsen. Some of the language of the briefs is inexcusable. Under no circumstances could such language be proper in a brief; no matter how meritorious the case or how righteous the indignation of counsel.

But the court wishes it to be understood that the granting of the motions in this latter phase is not intended to approve or excuse certain alleged conduct which is referred to in these portions of the briefs. Intimidation and harassment of witnesses and parties, inside or outside the courtroom, is much more reprehensible, violative of professional standards of conduct, and calculated to prevent the impartial administration of justice than is the use of intemperate language in a brief.

U. S. Court of Appeals for the District of Columbia

RADTKE PATENTS CORPORATION AND ALBERT A. RADTKE, WHITSON PHOTOPHONE CORPORATION AND DELMAR A WHITSON *v.* COE, COMMISSIONER OF PATENTS, AMERICAN TRI-ERGON CORPORATION, AND TRI-ERGON HOLDING A. G.

No. 7,577. Decided June 30, 1941. Petitions for rehearing and reconsideration denied August 29, 1941. Certiorari denied December 22, 1941.

[122 F.(2d) 937]

1. SUIT UNDER SECTION 4915 R. S.—INTERFERENCE—APPEAL—PATENTABILITY OF COUNTS.

Where a decree was entered in favor of V under section 4915 R. S. and the Commissioner of Patents took no appeal therefrom, but instead of granting a patent as authorized by the decree instituted an interference proceeding between V, R, and W, resulting in an award to R, and in a later suit under the same section a decree was entered awarding priority to V, and again authorizing the issuance of a patent, from which latter decree appeal was taken *Held* that as the patent authorized to be issued to V has never been issued, and as the second suit arises again under said section 4915, the question of patentability, presented to the appellate court for the first time, is the question of primary importance.

2. SAME—SAME—SAME—SAME—WEIGHT ATTACHING TO RULING OF PATENT OFFICE.

The principle that the "judicial function is exhausted when there is found to be a rational basis for the conclusions approved by the administrative body" *Held* applicable to a decision of the Patent Office that no invention was involved in the claims in controversy in an interference, though in another earlier suit by one of the parties to the interference under section 4915 R. S. the district court had held to the contrary.

3. PATENTABILITY—INVENTION.

"The knowledge of the prior art is not limited to the knowledge of lawyers or of the public generally, but is that of the experts and scientists, the trained engineers who have been working for many years in the electrical art of sound communication. If expert testimony and prior scientific publications reveal such knowledge, sufficient to teach such men or to suggest to them what is here claimed to be invention, then the fact that such claims may seem remarkable, or new, or profound, to lawyers or to the public generally, is not sufficient to constitute invention."

4. SAME—COMBINATION OF REFERENCES.

"It is not necessary in order to defeat a claim of invention that a complete disclosure of the prior art should have been made in one reference."

5. SAME—INVENTION.

"It is not necessary, in order to prove that the prior art taught or suggested the substitution of one well known element for another, that such teaching be contained in a single reference, or even that substitution

for the identical purpose had been proposed. A skilled mechanic would know that if a hammer could be used to drive a nail it could also be used to drive a tack; or that if a wheel could be used on an automobile it could also be used on a truck."

6. SAME--SOUND REPRODUCING APPARATUS.

Certain claims to a sound reproducing apparatus employing a photoelectric cell *Held* unpatentable over the prior art.

7. SUIT UNDER SECTION 4915 R. S.—INTERFERENCE—PRIORITY.

Where the claims of an interference before the appellate court in a suit under section 4915 R. S. are found unpatentable *Held* that the question of priority is immaterial.

8. SAME—SAME—COMMISSIONER AS PARTY.

Motion by the Commissioner of Patents that an appeal in an interference under section 4915 R. S. be dismissed as to him denied.

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

STEPHENS, *A. J.*, dissenting.

Mr. Leonard Day, *Mr. A. K. Shipe*, *Mr. Walter E. Gallagher*, and *Mr. John J. Sirica* for Radtke Patents Corporation and Mr. Albert A. Radtke.

Mr. Joseph A. Shay and *Mr. Thomas Ball* for Whitson Photophone Corporation and Mr. Delmar A. Whitson.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Mr. Leslie C. Garnett, *Mr. Samuel F. Beach*, and *Mr. Kenneth S. Neal* for American Tri-Ergon Corporation and Tri-Ergon Holding A. G.

By leave of court, *Mr. Fulton Brylawski* filed a brief as amicus curiae.

Before STEPHENS, MILLER and RUTLEDGE, Associate Justices

MILLER, *A. J.*:

On March 3, 1919, Hans Vogt, Josef Engl and Joseph Massolle filed a joint German application for Letters Patent for a sound-reproducing apparatus. On April 4, 1921, Vogt, Engl, and Massolle made a joint application for Letters Patent of the United States for a sound-reproducing apparatus. Appellees American Tri-Ergon Corporation and Tri-Ergon Holding A. G. are the assignees in interest of all rights under the application of Vogt, Engl and Massolle for Letters Patent of the United States. For convenience, this application and the parties in interest will be referred to hereafter as Vogt.

One claim of the Vogt application was allowed by the Patent Office. It reads as follows:

5. In an apparatus for the synchronous recording and reproduction of optical acoustical operations, the combination of a record in the form of a film in motion, a constant source of light radiating upon said film, a photoelectric cell acted upon by said constant source of light for the reproduction and a condenser circuit fed with undamped high frequencies with which said photoelectric cell is connected up in parallel so that the electrical oscillations are produced in rythm [sic] with the photographic records.

The following four claims were rejected by the Patent Office as lacking in invention:

1. In sound reproducing apparatus, the combination of a photoelectric cell having an alkali cathode, means for illuminating the cell with acoustically-modulated light, and a circuit connected with said cell in which flows a correspondingly modulated current.

2. In sound reproducing apparatus, the combination of a photoelectric cell having an alkali cathode, a constant source of light, means for uniformly progressing a film between said source and cell, said film carrying a photographic sound record of varying opacity, so that said cell is illuminated by acoustically-modulated light, which has passed through the film, and a circuit connected with said cell in which flows a correspondingly modulated current.

3. In sound reproducing apparatus, the combination of a photoelectric cell having an alkali cathode, means for illuminating the cell with acoustically-modulated light, an amplifier, a circuit connecting said cell with said amplifier, a sound reproducing device, and a circuit connecting said amplifier with said sound reproducing device.

4. In sound reproducing apparatus, the combination of a photoelectric cell having an alkali cathode, means for illuminating the cell with acoustically modulated light, an amplifier, a circuit connecting said cell with said amplifier, and a circuit connected with said amplifier, in which flows amplified currents which vary correspondingly with the variations of said acoustically-modulated light.

Thereafter, a suit was brought in the district court, upon the four rejected claims, under R. S. §4915, and a decree[1] was entered on December 9, 1931, in which it was adjudged that claims 1 to 4, inclusive, defined a meritorious invention, which was novel and patentable; and authorized the Commissioner of Patents to issue Letters Patent therefor to appellee American Tri-Ergon Corporation.

In the meantime, in August, 1920, appellant Delmar Whitson filed an application for Letters Patent of the United States for "Method of and Apparatus for Reproducing Sound." In April, 1929, Whitson made, in his application, claims identical with claims 1 to 4, inclusive, in the Vogt application. Appellant Whitson Photophone Corporation is the assignee in interest of all rights under the Delmar Whitson application; and both, for convenience, will be referred to hereafter as Whitson. Also, in the meantime, in December, 1922, appellant Albert Radtke filed an application for Letters Patent of the United States for "Method of and Means for Optically Recording and Reproducing Sound;" and nine years later—on the same day as the date of entry of the decree authorizing issuance of patent on the Vogt application—Radtke made, in his application, claims identical with claims 1 to 4, inclusive, of the Vogt application. Appellant Radtke Patents Corporation is the assignee in interest of all rights under the Albert Radtke application; and both, for convenience, will be referred to hereafter as Radtke. In January, 1932, instead of granting a patent as authorized by the decree entered during the preceding month, the Commissioner of Patents instituted an interference proceeding between Vogt, Radtke and Whitson. On July 18, 1936, the Examiner awarded priority to Radtke. On March 17, 1937, the Board of Appeals affirmed the award of the Examiner. On January 22, 1938, the Board of Appeals, by its decision, following a rehearing, declined to change its decision of March 17, 1937. A patent covering the four counts was issued to Radtke April 19, 1938.

In May, 1938, appellees American Tri-Ergon Corporation and Tri-Ergon Holding A. G. brought the present suit in the district court under R. S. § 4915. On November 20, 1939, that court filed its decree,[2] awarding priority to Vogt as of that date, and authorizing the Commissioner of Patents to issue Letters Patent to American Tri-Ergon Corporation embodying the four claims. It was stipulated by all parties:

"4. That prior to 1919 Germany was and ever since has been a 'convention' country with respect to R. S. 4887, and its citizens since prior to 1919 have been entitled to the privileges of said statute. 5. That the privileges accorded by the Nolan Act of March 3, 1921 (41 St. L. 1313) were on or about October 21, 1921, extended to citizens of Germany."

The question mainly urged by the parties for our determination is that of priority. The decision of the district court, from which this appeal is taken, is chiefly concerned, also, with that question. Except for a conclusion of law and decree that Vogt and his associates are "the true, first, original and joint inventors of the invention . . ." and that each of said claims 1 to 4, inclusive, defines a meritorious invention, novel and patentable as of March 3, 1919, and except for two findings, which will be hereafter set out, the court relies, largely, upon the findings and conclusions which appear in its earlier decision of 1931. In its opinion, the court said:

"This court further finds, upon a careful examination of Justice Adkins' decision, that Justice Adkins specifically held Vogt's effective date to be March 3, 1919, and further finds that in order for Justice Adkins to have authorized the Patent Office to issue a patent to Vogt, he had to find that the Vogt patent disclosed the four counts. This court further holds that while *Justice Adkins' decision does not, as to this court, involve the principles either of res adjudicata, or of stare decisis*, it is a considered finding in a controverted case that Vogt disclosed the four counts at issue, and should control this court, unless this court should be perfectly clear that there was error in the prior decision, or that there was, in this case, additional evidence offered which might have induced a different decision in the prior case if it had been there offered. The court finds neither the error or the evidence." [Italics supplied.]

[1] However, the first and most important question which was presented for decision to the district court, which was presented on this appeal by amicus curiae, and which we must now decide, is whether the four claims in issue do define an invention, patentable as of March 3, 1919. Whether or not Vogt is entitled to the earlier date and whatever the merits of the respective contentions concerning priority, it is necessary, first, that a sufficient showing be made of invention over the prior art as it existed on March 3, 1919, which is the earliest filing date claimed by any of the parties. This is true in spite of the fact that no appeal was taken from the 1931 decision. As the patent therein authorized to be issued to Vogt has never been issued, and as the present suit arises again under R. S. § 4915, the question of patentability, thus presented to us for the first time, is the question of primary importance.[3] We note, in passing, Vogt's contention that this is not properly before us although—it admits—the issue might properly have been presented under R. S. § 4915, if fair notice had been given of the grounds of such a defense; if convincing evidence had been presented in addition to that considered by Justice Adkins; if opportunity had been given to rebut such evidence by cross-examination or additional testimony; and if the issue had been passed upon by the district court. Vogt cites no authority for this claimed limitation upon section 4915, or upon *Hill* v. *Wooster*. We know of no such authority. Moreover, a large quantity of additional evidence was presented by all parties; severe cross-examination and thorough rebuttal occurred; the district court considered the issue; and passed upon it. "In our capacity as guardian of the public interest, . . . we must consider the question."[4]

[2] We note, also, that at this point the principle of *Abbott* v. *Coe*[5] becomes applicable. I. e., that the "judicial function is exhausted when there is found to be a rational basis for the conclusions approved by the administrative body." Availing itself of its equipment for deciding the intricate and technical questions which it is pre-eminently qualified to solve, the Patent Office decided in 1927 that no invention was involved in the claims here in controversy and refused to issue a patent. If, therefore, there was a rational basis for that decision, it should be sustained.

The following excerpts from the opinion of the Board of Appeals of the Patent Office, rendered in 1927,[6] succinctly state the issues, and the reasons which, in our opinion, support the conclusion that there was no invention:

What appellants are claiming is a sound reproducing apparatus including a photoelectric cell. Specifically the subject matter appealed relates to the reproduction of sound from a photographically recorded film record which may also include optical representations as well as sound records. It is a purpose of the claimed construction to reproduce the sound in synchronism with the optical effects although the claims are directed only to sound reproduction. In the specific embodiment of reproducing apparatus disclosed, a photoelectric cell having an alkali cathode is employed. The cell is illuminated by acoustically modulated light thereby producing in an electric circuit connected with the cell a correspondingly modulated current which may be heard in a telephone. The current passes through an amplifier before it reaches the telephone.

Prior to appellants' entry into the field it had been proposed to illuminate a selenium cell with acoustically modulated light and to utilize the current so produced to operate a sound reproducer. This is disclosed in the Fritts patent. *What appellants have done, therefore, is to substitute for the selenium cell of the Fritts patent a photoelectric cell and to amplify the resulting current.* As showing a photoelectric cell employed in a reproducing apparatus the Examiner cites the British Polyphos patent. It is the view of the Examiner that it did not involve invention to make the noted substitution in the Fritts patent under the teachings of the British patent. In the British patent it is proposed to use the photoelectric cell in the reproduction of graphic signs, pictures and

[1] *American Tri-Ergon Corp.* v. *Robertson*, 11 U. S. Pat. Q. 168.

[2] *American Tri-Ergon Corp.* v. *Coe*, D. C., 30 F. Supp. 83.

[3] *Hill* v. *Wooster*, 132 U. S. 693, 698, 50 O. G. 560: "The provision of section 4915 is that the circuit court may adjudge that the applicant 'is entitled, according to law, to receive a patent for this invention, as specified in his claim, or for any part thereof, as the facts in the case may appear; and that, if the adjudication is in favor of the right of the applicant, it shall authorize the Commissioner to issue the patent. . . .

"The parties to the present suit appear to have been willing to ignore the question as to patentability in the present case, and to have litigated merely the question of priority of invention, on the assumption that the invention was patentable. But neither the circuit court nor this court can overlook the question of patentability."

Hansen v. *Slick*, 3 Cir., 230 F. 627; *Curtiss Aeroplane & Motor Corp.* v. *Janin*, 2 Cir., 278 F. 454; *Root Spring Scraper Co.* v. *Willett Mfg. Co.*, 6 Cir., 84 F.(2d) 42. See *Gold* v. *Gold*, 7 Cir., 237 F. 84, 86–87: *International Signal Co.* v. *Vreeland Apparatus Co., Inc.*, 2 Cir., 278 F. 468, 470; *Magic City Kennel Club, Inc.*, v. *Smith*, 10 Cir., 38 F.(2d) 170, 173, aff'd, 282 U. S. 784, 404 O. G. 1045; *Allbright-Nell Co.* v. *Autosteam Process Co.*, 7 Cir., 70 F.(2d) 959, 961. Cf. *Palmer Pneumatic Tire Co.* v. *Lozier*, 6 Cir., 90 F. 732, 734: " . . . we think the court is bound to determine whether, upon identifying the subject-matter of the interfering patents the invention therein stated is patentable."; *Senitha* v. *Robertson*, 4 Cir., 45 F.(2d) 51, 54. See also, 2 Walker, Patents (Deller's ed. 1937) 945 et seq.

[4] *Starlock Mfg. Co.* v. *Kublanow*, 3 Cir., 106 F.(2d) 495, 500.

[5] App. D. C. 195, 197, 109 F.(2d) 449, 451, 512 O. G. 3, quoting from *Mississippi Valley Barge Line Co.* v. *United States*, 292 U. S. 282,286–287.

[6] Appeal No. 781, May 26, 1927.

the like. The specification of the British patent points out the superiority of the photoelectric cell over the selenium cell in the reproduction of pictures owing to the absence or substantial reduction of time lag in the photoelectric cell. The Examiner holds that the reproduction of pictures by means of the photoelectric cell is quite analogous to the reproduction of sound by such a cell and accordingly holds that it would be uninventive to substitute in the Fritts apparatus the photoelectric cell of the British patent.

* * * * * * *

. . . The Examiner urges that even in the absence of the disclosure of the British patent it did not involve invention to employ a photoelectric cell in the reproducing apparatus of the Fritts patent in view of the known characteristics of that form of cell. However that may be we are of the opinion that the appealed claims are lacking in invention over the combination of the Fritts and British patents.

[6] Appeal No. 781, May 26, 1927.

Claims 3 and 4 include in addition to the general organization specified in claims 1 and 2 *an amplifier in circuit with the photoelectric cell and the sound reproducing device.* The Examiner, in the statement on appeal, does not discuss claims 3 and 4 separately and only states with respect to current amplification that since the current from the photoelectric cell is almost infinitesimal it must be amplified before available for use. Appellants comment on the failure of the Examiner to cite a reference disclosing amplification of the current derived from a photoelectric cell and urge this as an additional reason why claims 3 and 4 should be allowed. It may be that the failure of the Examiner to cite a reference showing current amplification was due to his knowledge that it is common practice to amplify weak electric currents in all sorts of situations and systems and we might take judicial notice of that fact. However, in order that the record may be complete we call attention to the patent to Hull, No. 1,313,187, granted Aug. 12, 1919, on an application filed Nov. 8, 1915, as showing the amplification of an electric current derived from a photoelectric cell. [Italics supplied.]

It was this Patent Office decision which the district court rejected in its decision of December, 1931.

In the present case the issues of invention and patentability were retried and a voluminous new record was made. Nevertheless, as already indicated, the district court confined its second decision, in large part, to the question of priority and made only two findings which bear upon the question of invention, as follows:

"6. . . . a lengthy trial was had before Justice Adkins, and extensive findings of fact and conclusions of law were filed by Justice Adkins and a final decree was entered to the effect that the four claims here in controversy were patentable, . . .

* * * * * * *

"11. The invention upon which Plaintiffs seek the grant of a patent under said Vogt et al. U. S. application is defined by the four counts or claims recited on page 1 of the opinion of this court in this suit. Said invention as more fully set forth in the opinion and findings of Justice Adkins in the prior suit, Equity No. 47,904 aforesaid, involves the *discovery that a photoelectric cell of the alkali cathode type in conjunction with appropriate immediate circuit connections therefor could be used in sound reproduction apparatus in such manner that the resulting reproduced sounds correspond substantially with the sounds originally produced or recorded upon a film record.*" [Italics supplied.]

On this appeal, it becomes necessary, therefore, for us to look to Justice Adkins' findings, and to the voluminous new record[7]—much of which of course was not available to him—to determine, first, the condition of the prior art as it existed in 1919, and, second, whether the findings made in 1931 correctly stated the prior art. In doing so we shall keep in mind the fact that the interpretations placed upon the four claims, by the three parties to the present appeal, vary in considerable degree. Moreover, in their adverse contentions concerning priority, each challenges, as well, positions taken by one or the other concerning the condition of the prior art, and as to what disclosures in the four claims constitute invention. It is well to discover, therefore, as clearly as may be done, the contentions now made by each of them, and to check their contentions against the findings and the record.

Whitson's claim of invention is the broadest of all:

". . . merely the use of a photo-electric cell to reproduce sound by acoustically modulated light in any operative circuit of prior art."

Radtke's present position is stated in its brief as follows:

(1) "There were four counts in the interference. The Patent Office found that Radtke was prior as to all four, but the Radtke patent later by amendment limited counts 1 and 2 to an *amplifier combination* (its claims 30 and 31) *so now*, in the exact language, *the patent contains only the third and fourth counts, as claims 32 and 33 respectively* (3R. p. 1804)." [Italics supplied.] (2) ". . . that he was prior to all parties as to all counts; but that the first two counts are so broad in their wording as probably to be unpatentable in view of *prior art in addition to that before Justice Adkins.* Radtke, in good faith, by amendment limited counts 1 and 2 in his patent to the wording of his corresponding claims 30 and 31 which contain additional limitations over counts 1 and 2. *Counts 3 and 4 are patentable only when based on a disclosure of an operative circuit connecting the photo-electric cell with the amplifier tube,* examples of which operative circuit were disclosed by Radtke but not by Tri-Ergon or Whitson." [Italics supplied.]

Vogt's present position is more difficult to determine. It incorporates into its brief Justice Adkins' findings numbered 4, 5, 6, 7, 9, 10, 11, 12, 13, 14 and 15; and apparently adopts them to indicate the nature and extent of its discoveries and alleged invention. Again, in its brief it says:

". . . it appears by comparison of these claims with the actual contribution to the art which Vogt made, as summarized in Mr. Justice Adkins' findings, that *the claims are no broader than his actual achievement,* and appropriately distinguish from the prior art as also shown in these Findings, in respect to the *novel combination of elements by which Vogt was able for the first time in the history of the world to successfully reproduce sound from a film record or acoustically-modulated light.*" [Italics supplied.]

It denies, however, that it claims "the result of obtaining sound reproduction from a film record." Again, it says:

"The findings of Mr. Justice Adkins sufficiently support his decree that the subject matter in suit, is patentable, and the present record falls far short of containing any additional or conflicting evidence which would justify this court in upsetting his decision."

Vogt also adopts, in its brief, Justice Goldsborough's finding No. 11, in the present case, which reads in part as follows:

"11 . . . Said invention as more fully set forth in the opinion and findings of Justice Adkins in the prior suit, Equity No. 47,904 aforesaid, involves the discovery that a photoelectric cell of the alkali cathode type in conjunction with appropriate immediate circuit connections therefore could be used in sound reproduction apparatus in such manner that the resulting reproduced sounds correspond substantially with the sounds originally produced or recorded upon a film record."

When we examine Justice Adkins' findings, we find that up to a certain point they are in accord with those of the Patent Office decision of 1927. Thus, he found (No. 6) that for many years prior to 1919 the selenium cell had been often suggested as a light sensitive means for translating acoustically modulated light rays into electric current variations for sound reproduction; that from time to time prior to 1919 various patents and publications had issued, directed to apparatus and methods of reproducing sound by projecting light through a variably blackened strip on to light sensitive cells of the selenium type. In other respects they are in sharp disagreement and in the light of the present record, of which in part, of course, Justice Adkins did not have the benefit, are obviously incorrect. Some of these latter incorrect findings are among those upon which Vogt apparently now relies.

[7] The record includes by reference the entire record in the original R. S. § 4915 suit in the district court before Justice Adkins, and the entire record of the proceeding in Interference No. 63,090 in the Patent Office.

I

Thus, in finding No. 7, Justice Adkins stated:

"At the time of plaintiff's invention here involved there had never been commercial use of photoelectric cells, and all known actual uses of the same had been confined to laboratory photometric measurements, i. e. measurements of light emitted by lamps and the measurement of star light. At the time of plaintiffs' invention there was so little knowledge of photoelectric cells, and so little use therefor that they could not be purchased on the market as an article of commerce, and it was necessary for research workers desiring to experiment with these cells to have the necessary equipment to make and to painstakingly make and test out the same, or else have them made in especially well equipped laboratories."

But the record clearly reveals that the contrary was true. As a matter of fact, the photoelectric effect was discovered by Hertz in 1887,[8] if not earlier.[9] In 1888, Hallwacks conducted a series of fundamental experiments upon the subject; in 1889, Elster and Geitel published the first of a long series of papers on the subject; in 1890, they described what was the forerunner of the modern photoelectric cell, viz., a glass bulb containing alkali metals, which was evacuated and then sealed; in 1892, they used a photoelectric device as the sensitive element in the first photoelectric photometer, used for measuring the ultra-violet radiation from the sun; in the same year (1892) they constructed the first gas-filled cell, containing an alkali metal deposited in the presence of hydrogen.[10] A cell for photometric purposes was devised as early as 1904;[11] the opening of the modern epoch in photoelectricity is attributed to Einstein in 1905, on account of discoveries for which he received the Nobel Prize.[12] By 1912, practical cells were being produced.[13] In the Bulletin of the Bureau of Standards, June 17, 1918,[14] the photoelectric cell is described in detail. The writer therein stated that he had investigated at least a dozen photoelectric cells and the language of the article indicates that—contrary to the court's finding—such cells could be and were purchased on the market.[15]

Of particular significance, as indicating the basis for the 1931 decision, are Justice Adkins' findings numbered 8, 9 and 10. No. 8 purports to set out the essential requirements of any light responsive cell in the successful reproduction of sound; No. 9 purports to set out the respects in which selenium cells are deficient for this purpose, specifically:

(*a*) The current response to light in selenium cells, as known prior to the invention here in issue, was very erratic under different conditions and circumstances of use.
(*b*) The current response to light in selenium cells involves serious and variable "lag" and "persistence" characteristics which greatly distort sound modulated currents.
(*c*) There is no "linear" or "straight line" relationship between the selenium cell current and the impinging light.
(*d*) Selenium cells have fatigue characteristics which distort sound modulated currents.

Then follows finding No. 10, which reads as follows:

10. Prior to the time of plaintiffs' invention herein involved it had not been determined that photoelectric cells possessed any of the above stated essential characteristics for satisfying the requirements of sound reproduction. Plaintiffs by their work in 1918 and 1919 were the first to investigate and demonstrate that photoelectric cells possessed such characteristics as to meet each of the above stated requirements.

Apparently Vogt is now willing to take full credit for everything which appears in this latter finding.

The present record reveals, however, that Vogt made no such extravagant claims in the original application, and that the characteristics of a photoelectric cell, credit for discovery of which was thus given to him, were well known to the art before he and his associates began their work.[16] What Vogt claimed by way of invention was merely the substitution of the photoelectric cell for the selenium cell in a combination which he then described. This is clearly revealed by the amendment of the Vogt application filed in 1925 in which the following language appears:

"It is, of course, old and well known to illuminate a selenium cell with acoustically-modulated light and utilize the current thereby produced to operate a loud speaker or other sound reproducer. . . . It is, of course, true that *the photoelectric cell per se was well known prior to applicants' effective date,* namely, the date of filing of the corresponding German application, *March 3, 1919.* So far, however, as is shown by the prior art cited by the Examiner and so far as we are familiar with the prior art, *applicants are the first to see the advantage of substituting the photoelectric cell for the selenium cell* in a combination in which current is to be reproduced by the light sensitive cell in correspondence with rapid changes of radiant energy, such as those corresponding to varying sound vibrations." [Italics supplied.]

Ballard, Vogt's witness, testified as to the absence of lag in a photoelectric cell, as well as concerning

[8] Walker and Lance, Photoelectric Cell Applications (2d ed. 1935) 2; Allen, Photo-Electricity (1913) 1.
[9] Hughes and DuBridge, Photoelectric Phenomena (1932) 5.
[10] Id. at 3, 4: "They also established the fact that the photoelectric current through such cells was directly proportional to the light intensity over a range of intensity of about 1 to 8. In 1894 the same observers discovered the extremely important result that when certain surfaces, that of sodium-potassium alloy in particular, were illuminated by polarized light at oblique incidence the photoelectric current emitted changed very greatly if the plane of polarization of the light was rotated."
[11] Zworykin and Wilson, Photocells (2d ed. 1934) 13.
[12] Hughes and DuBridge, supra, note 9, at 4; Henney, Electron Tubes in Industry (1934) 276; Zworykin and Wilson, supra note 11, at 32. See also, Millikan, A Direct Photoelectric Determination of Planck's "h", 7 Physical Rev. (2d ser. 1916) 355 et seq.
[13] Zworykin and Wilson, supra note 11, at 13: ". . . at least by 1912, they [Elster and Geitel] had increased the sensitivity of their early cells by two whole orders of magnitude. Many cells manufactured today [1932] differ but little from the original hydrogenated alkali cells of Elster and Geitel."
[14] W. W. Coblentz, Instrument and Methods Used in Radiometry, III, 14 Bureau of Standards Bull. 507, 512 et seq.
[15] Id. at 515: "Photoelectric cells, *which are purchased,* should be accompanied by a statement concerning the maximum voltage that can be applied." [Italics supplied.]
Id. at 525: "After investigating at least a dozen photoelectric cells the writer has come to the conclusion that, if the deflection method is to be used in making the measurements, the proportionality test should be made upon every cell in the apparatus in which it is being used *even when the maker's tests indicate* that the cell functions in direct proportionality." [Italics supplied.]
[16] For example, with regard to the element of *fatigue,* Bergwitz, in Physikalische Zeitschrift (1907) 378 reported: "1. In connection with the sodium, potassium and rubidium cells produced by Elster and Geitel, no fatiguing was noted in connection with illumination by visible light. 2. Also the potassium-sodium cells made by Elster and Geitel, the light sensitive surface of which can be renewed in the vacuum, do not become less sensitive in the course of time."
In a book published in 1913 (Allen, Photo-Electricity

its other advantages over the selenium cell. Josef Engl, one of the Vogt co-applicants, testified:

"We knew at the time March, 1919, and before that, during the year 1918, that we needed for our purposes photoelectric cells. The photoelectric cells *per se* were a known instrument. *It was known at that time how to manufacture the cells. Knowledge of that manufacturing* could be gained by looking up all old publications." [Italics supplied.]

Presumably, therefore, the characteristics of the cell, as described by Vogt's witness Ballard, were known to Vogt before March, 1919; because Engl's statement concerning the knowledge of the co-applicants was unqualified.

Again, as indicating the basis for the 1931 decision, is Justice Adkins' finding No. 31:

"The British patent to Duddell, No. 24,546 of 1902 (Defts. Ex. Y) mentions that photoelectric apparatus other than the selenium cell may be used, but such statement does not disclose that what is known as the alkali cathode photoelectric cell or any cell using equivalent phenomena could be used, . . ."

But the art, as revealed by the present record, was well acquainted with the alkali cathode photoelectric cell long before 1919. All that Vogt had to do was to read Duddell in connection with that knowledge, which as Engl testified "could be gained by looking up all old publications."

Specifically, in that connection, an article by Kunz and Stebbins[17] described the alkali cathode photoelectric cell in minute detail, and the relative advantages to be obtained by using each of the four alkali metals: sodium, potassium, rubidium and cæsium; in cells containing either helium, argon, or neon gases. Even as early as 1892, as previously indicated, Elster and Geitel had described the alkali cathode photoelectric cell. In 1907, Bergwitz described a very large photoelectric cell (about 4 inches in diameter) with a potassium cathode which he selected for experimental purposes. This, incidentally, was published in German (Physikallsche Zeitschrift) where it was peculiarly available to Vogt. There is no reason to suppose that Duddell was not familiar with some of these studies; certainly there is no escape from the conclusion that by 1919 Vogt, reading Duddell on Kunz and Stebbins and the other references, was fully informed as to the subject about which it is here proposed to give him credit for discovery. Radtke's witnesses testified that Kunz supplied photoelectric cells with alkali cathodes to the American Development and Operating Company in 1916 and 1917, and that Radtke also procured such cells from Kunz in 1917. In its brief Radtke says that in terms of the 1919 art the photoelectric cell having an alkali cathode was old. Whitson, the third party in this suit, called as a witness Benjamin Chromy, who testified that: "Lots of them [photoelectric cells] were made in 1917" and, further, that there was little fundamental difference between photoelectric cells made in 1932, and those described in the Bureau of Standards article published in 1918. In its brief Whitson contends that he was reading and studying articles dealing with photoelectricity as early as 1906, and in 1915, was proposing to use a photoelectric cell for sound reproduction.

[3] It is apparent, therefore, not only that Justice Adkins attributed to the photoelectric cell—as of 1919—a mystery which in fact did not exist, at least so far as concerns the knowledge of the prior art, but that these findings have been, in effect, repudiated by each of the parties to the present appeal or by their witnesses. In this connection, as well as in our consideration of subsequent findings and contentions, it is important to bear in mind that, as Vogt points out in its brief,

"the electrical art of sound communication has for many years been in the hands of trained engineers who are experts and scientists (e. g., the technical staffs of the telephone and radio companies) and they like inventors are fully chargeable with knowledge of the prior art, as the same may appear by expert testimony and by reference to prior scientific publications."

It is with knowledge of the prior art as understood by such men that we are concerned.[18]

Paraphrasing the language of the Supreme Court in *Carnegie Steel Co.* v. *Cambria Iron Co.*,[19] it may be said that the knowledge of the prior art is not limited to the knowledge of lawyers or of the public generally, but is that of the experts and scientists, the trained engineers who have been working for many years in the electrical art of sound communication. If expert testimony and prior scientific publications reveal such knowledge, sufficient to teach such men or to suggest to them what is here claimed to be invention, then the fact that such claims may seem remarkable, or new, or profound, to lawyers or to the public generally, is not sufficient to constitute invention.

178), a chapter of twenty pages was devoted to the subject, Photo-Electric Fatigue, which summarized the results of experiments with photoelectric fatigue and concluded: "There is, however, considerable evidence to show that for the alkali metals there is no true fatigue. Many of the experiments on these metals have been made not in a high vacuum, but at pressure somewhere near the critical pressure, and it is probable that the changes in activity actually observed are to be attributed to changes in the pressure. In the case of the other metals examined, it seems probable that in the case of a perfectly clean metal surface in a very high vacuum no fatigue would take place."

Again, with regard to the element of lag, Tasker, Radtke's witness, testified: "During the early '90's Elster and Geitel, previously referred to, had made and had described a photo-electric cell which has been here mentioned many times and whose important property is that when a light shines on the *alkali cathode* of this cell an electrical charge *is instantly released* from the surface. The extent to which that instantaneous property was known was not very important in 1890, but by the early 1900's it had become quite well understood and, in fact, the photo-electric cell had been used to create sound in telephone receivers in a way which proved to the experimenter that it *had no lag at all comparable* with the tremendous lag of the selenium cell, and that consequently it was a good and able tool in this sound art, save for the fact that it was very, very weak, . . ." [Italics supplied.]

Radtke, in its brief, after quoting, from Vogt's application, the specifications concerning photoelectric cells, says, in terms of the 1919 prior art: "The above quotations mention the parallel resistance of the cell. This is always infinite in one direction and only apparently different in the other when one assumes the emitted electrons to be a current. *These were inherent and well known characteristics of all photo-electric cell operation.*" [Italics supplied.]

[17] Kunz and Stebbins, On the Construction of Sensitive Photoelectric Cells, 7 Physical Rev. (2d ser. 1916) 62.

[18] See *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 437, 99 O. G. 1866; *American Stainless Steel Co.* v. *Ludlum Steel Co.*, 2 Cir., 290 F. 103, 108–109; *Hansen* v. *Slick*, 3 Cir., 230 F. 627, 632.

"It is upon the difficulty, obscurity, or even novelty of the art concerned that depends the kind and degree of skill or knowledge which must be possessed by those who assume to apply it." [19]

[19] *A. B. Dick Co.* v. *Barnett*, 2 Cir., 288 F. 799, 801, 317 O. G. 789.

[20] 185 U. S. 403, 437, 99 O. G. 1866.

II

As previously pointed out, Vogt's theory of invention, as it appears from the amendment of 1925, was based upon the "advantage of substituting the photoelectric cell for the selenium cell in a combination . . ." as there set forth. Whitson concedes that Haines, British Patent No. 18,057, issued in 1906; Fritts, No. 1,203,190, issued in 1916; and Reis, No. 1,607,480, issued in 1926; disclose every element of claims 1 and 2 except that a selenium cell is utilized instead of a photoelectric cell; consequently, that nothing new is involved in these two claims except substitution of the latter cell for the former. Whitson contends, nevertheless, that making the substitution constituted invention and that he was prior to Vogt. Radtke contends that counts 1 and 2 involve merely the substitution of a photoelectric cell for a selenium cell and are met by the prior art; hence that they do not disclose invention; to the contrary that the Radtke patent

"by amendment limited counts 1 and 2 to an amplifier combination (its claims 30 and 31) so now, in the exact language, the patent contains only the third and fourth counts . . . The reason why the patent does not contain the first two counts in their exact language is because Radtke considered that they were invalid as worded and he did not permit them in his patent. *New prior art not before Justice Adkins was discovered.*" [Italics supplied.]

Amicus curiae, in its brief, contends that the photoelectric cell was an obvious substitute.[21]

Justice Adkins found that:

"35. The patents and publications (Defendant's Exhibits A to J, inclusive, and Exhibits U to Z, inclusive) taken either singly or collectively, as of March 1919 and prior thereto, *fail to* teach or to *suggest* to one skilled in the art *that the photoelectric cell was a suitable instrumentality* for use in the reproduction of sound, or *as a substitute for the selenium cell.*" [Italics supplied.]

The italicized portion of the finding, standing alone, is clearly erroneous in light of the present record. Thus, in 1916, Jacob Kunz and Joel Stebbins, in an article published in the Physical Review, stated:[22]

They cited, in support of this statement, articles by Kemp and Schulz which were published in 1913. Moreover, the error of the italicized portion of finding No. 35 is revealed by Justice Adkins' own finding No. 17. There—in discounting and minimizing the disclosure of the British patent to Polyphos,[23] No. 3701 of 1908—he said:

"17. . . . This patent suggests the substitution of the photoelectric cell for the selenium cell in picture transmission, but fails to disclose any circuit arrangements for making such a substitution possible, . . ."

It is apparent, therefore, that the substitution of the photoelectric cell for the selenium cell for some purposes had been suggested at least as early as 1908, and that substitution had been made, actually and advantageously, at least as early as 1913, six years before the earliest filing date claimed by any of the three applicants.

[4] [5] It is important to note, as regards Justice Adkins' finding No. 17, that the reason there given for concluding that the Polyphos patent was not an effective disclosure, is not because it fails to suggest the substitution of one cell for the other, but because (1) it makes no reference to sound reproduction, and (2) it fails to disclose circuit arrangements. But it is not necessary in order to defeat a claim of invention that a complete disclosure of the prior art should have been made in one reference.[24] Mention will be made hereafter of the prior art as it concerns circuit arrangements. For the present it suffices to say that it will not do to say in one finding, generally, that the prior art did not suggest a substitution, then in another to admit

[21] "There can be no serious question as to the photoelectric cell being an obvious substitute for the selenium cell in any photoelectric system. This was the conclusion reached by the highly qualified tribunals of the Patent Office, which rejected the claims on a 1916 Fritts patent showing a sound film and selenium cell and a 1908 Polyphos British patent showing a photoelectric cell for picture (not sound) reproduction. The Board of Appeals (Dec. Bk. 9) correctly said that the Polyphos patent 'points out the superiority of the photoelectric cell over the selenium cell in the reproduction of pictures owing to the absence or substantial reduction of time lag in the photoelectric cell. The Examiner holds that the reproduction of pictures by means of the photoelectric cell is quite analogous to the reproduction of sound by such a cell and accordingly holds that it would be uninventive to substitute in the Fritts apparatus (sound picture reproducer with film and selenium cell) the photoelectric cell of the British patent', and the Board agreed with the Examiner.

"Justice Adkins in the Robertson case mentioned this British patent and said (Dec. Bk., p. 15): 'The problems arising in the two arts are quite different; obstacles are encountered in the reproduction of sound which do not arise in the reproduction of pictures', but his opinion fails to state what such problems are, and it is obvious that varying light from a picture will, and must, act upon a photoelectric cell exactly like varying light from a sound film, to produce corresponding electric currents."

[22] Kunz and Stebbins, On the Construction of Sensitive Photoelectric Cells, 7 Physical Rev. (2d ser. 1916) 62.

"J. G. Kemp and W. F. Schulz have shown that it is possible and advantageous to replace the selenium in stellar photometry by the photoelectric cell."

[23] "Substances suitable for the purpose indicated are, for example, the alkaline metals, potassium, sodium and rubidium, which emit electrons into a gas, for example rarefied hydrogen, when light-rays fall thereon. The gaseous atmosphere is thus rendered more conductive, and the current-strength in an electric circuit of which the gas forms part, is increased. This increase of current is proportional to the intensity of the illumination and the change of conductivity is simultaneous with the change in the strength of the light. The important advantage is thus obtained that the succession of exposures to light of different intensities can be considerably more rapid than if a selenium-cell is used, and a considerably quicker transmission is obtained.

"One way of carrying out the said invention consists, for example, in placing two electrodes in a glass tube containing rarefied hydrogen, one of these electrodes, connected to the positive pole of a current-generator, being, for example, of platinum, and the other, connected to the negative pole, consisting of a substance which emits electrons when illuminated, for example sodium. Apparatus of known construction for the transmission and reproduction of pictures, graphic signs and the like is arranged in the electric circuit and operated by fluctuations of current which are produced by exposing the sodium to light of varying intensity.

"The current fluctuations due to changes in the conductivity of the gas may, of course, be used to operate a relay instead of acting directly on the transmitting apparatus.

"Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

"In the electrical transmission of graphic signs, photographs and the like by means of variations of current-strength corresponding to variations of light, the method of producing said variations of current-strength by causing the light of varying intensity to act on a substance which emits electrons at a rate varying with said intensity and by utilizing the varying emission of electrons to vary the electrical conductivity of a gas forming part of the circuit."

[24] *Keene* v. *New Idea Spreader Co.*, 6 Cir., 231 F. 701, 708, 709, 230 O. G. 1185, and cases there cited; *Ventilated Cushion & Spring Co.* v. *D'Arcy*, 6 Cir., 232 F. 468, 472–473, and cases there cited; *Lyman Gun Sight Corp.* v. *Redfield Gun Sight Corp.*, 10 Cir., 87 F.(2d) 26, 28; *Eagle* v. *P. & C. Hand Forged Tool Co.*, 9 Cir., 74 F.(2d) 918, 920; *United States Hoffman Machinery Corp.* v. *Pantex Pressing Mach., Inc.*, D. Del., 35 F.(2d) 523, 525, modified, 3 Cir., 44 F.(2d) 685, cert. denied, 282 U. S. 904. Cf. *Buxell Trimmer Co.* v. *Stevens*, 137 U. S. 423, 433, 53 O. G. 2044. Cf. also, *Detrola Radio and Television Corp* v *Hazeltine Corp.*, (No. 666, decided May 12, 1941)—U. S.—528 O. G. 245; *Minnesota Min. & Mfg. Co.* v. *Coe*, 69 App. D. C. 256, 100 F.(2d) 429, 497 O. G. 766, cert. denied, 306 U. S. 662.

that a particular reference did suggest such a substitution, but did not disclose circuits sufficient to make substitution possible for the particular purpose of the present claim. It is not necessary, in order to prove that the prior art taught or suggested the substitution of one well known element for another, that such teaching be contained in a single reference, or even that substitution for the identical purpose had been proposed.[26] A skilled mechanic would know that if a hammer could be used to drive a nail it could also be used to drive a tack; or that if a wheel could be used on an automobile it could also be used on a truck. That substitution of the photoelectric cell for the selenium cell had been suggested for one purpose and actually successfully accomplished for another, would be enough to put even a routineer on notice as to the probability that additional successful substitutions could also be made.[26] Language of Judge Learned Hand, in the Ruben Condenser Co. case, [27] is peculiarly pertinent in its application to the present case:

"But all new combinations are not patentable combinations. Especially in chemical and electrical experiments happy solutions may be reached by testing out variants reached merely by permutations of old elements. Possibly the patent law should protect such industrial achievements, but it does not; the work of the well-equipped laboratory which by trial and error checks off a series of formulas, may be the proper path of industrial advance, as the Germans found it to be before the Great War; but it does not demand what we call 'invention.' Something more personal to the inventor, something which better measures his imaginative powers, is required."

III

If we may judge from one of his findings, Justice Adkins based his award of a patent in 1931, in part at least, upon the theory that Vogt was the first to overcome theretofore insurmountable difficulties in amplifying photoelectric cell currents for any practical uses. This appears from his finding No. 14.[28] Without further explanation it might be assumed that Vogt, by incorporating this finding into its brief, is now willing to take credit for this discovery. The present record reveals that Vogt did not make the discovery and has never claimed to have done so.

As early as 1907, Bergwitz, writing in German (Physikalische Zeitschrift), described successful experiments which he had conducted for amplifying currents from a photoelectric cathode cell by connecting it with a sensitive telephone. Langmuir disclosed amplification of photoelectric cell currents as early as 1914.[29] By 1916, Wold,[30] and by 1917, Kunz,[31] disclosed amplification of photoelectric currents by means of the thermionic amplifier or audion; as did the Bulletin of the Bureau of Standards in 1918.[32] In neither his German nor his United States application did Vogt claim invention on this ground. In the original United States application no reference was made to amplifiers. The German application of March 3, 1919, recognized that devices for amplication were known to the art; as is shown by the following language:

"All that remains then to be done is to amplify, if necessary, the variations of the current in the cell with a constant auxiliary voltage being applied. *Amplifier devices of this sort have been used for some time in telephone arts.* . . . These stronger current variations, than those of the photo-electric cell can be amplified, if desired, as above pointed out. In this manner energy sources are attained so that an adequate sound intensity is producible even in comparatively large rooms or halls."

and by the following language:

". . . these currents being supplied to the ear with the use of well-known amplifier and reproducing apparatus." [Italics supplied.]

In an amendment of the Vogt application filed in 1925 the following language appears: "It will also be noted that the last line of Claim 4 of the German application refers to the use of *well-known* amplifier apparatus." [Italics supplied.] It is true that Vogt amended its United States application to refer to amplifiers, but it does not rely upon this to show invention. Instead, it expressly disclaims it.[33] Ballard, Vogt's witness, testified that suitable amplifiers were generally known and available before 1919.[34] Radtke testified that the thermionic amplifier could be purchased in 1915 and 1916, and was available as a means of increasing photoelectric currents sufficiently to make them of practical value.[35] Chromy, Whitson's witness, gave similar testimony. Whitson contends in his brief that Kunz, in his article published in 1917, demonstrated a connection of an amplifier to a photoelectric cell, and that this article constituted a part of the prior art. It will be seen, therefore, from the present record, that all parties and their witnesses repudiated this fundamental finding of Justice Adkins.

IV

As previously noted, Vogt incorporated into its brief Justice Adkins' finding No. 15, which reads as follows:

"15. Plaintiffs [Vogt] were *the first to devise suitable electrical connections* between photoelectric cells and amplifiers for the amplification of acoustically modulated photoelectric cell currents. The circuit described in the specification of plaintiffs' application and shown in Fig. 3 of the drawings thereof constitute one of the suitable circuits devised by them for connecting a photoelectric cell as used for sound reproduction to an amplifier." [Italics supplied.]

In this instance again, without explanation, the inclusion of this finding in its brief with approving reference thereto might seem to indicate that Vogt intended to take credit for discovery of circuits and other suitable electrical connections. But Vogt has never claimed more than that such suitable connections were disclosed. To the extent, therefore, that Justice Adkins relied upon supposed discovery by Vogt of suitable circuits and connections, it is obvious that his determination of invention was without basis. Radtke says that Justice Adkins was misled into making this finding. Vogt now interprets the finding as meaning merely that

"prior to Vogt, no one had connected a photoelectric cell to a circuit in which distortion-free sound modulated currents would be set up and that Vogt's disclosed circuit was suitable for connecting the cell to an amplifier."

In Vogt's German application of March 3, 1919, this feature, which is vested with so much uncertainty and mystery [36] in the Adkins finding, was actually described, simply and casually, in terms of the prior art:

"The bundle of light rays emanating from the luminous source is rhythmically changed in its intensity by the film travelling past it, and is made to impinge upon a photo-electric cell (alkali hydride with a rare-gas filling). *All that remains then to be done is to amplify, if necessary,* the variations of the current in the cell with a constant auxiliary voltage being applied. *Amplifier devices of this sort have been used for some time in telephone arts.*" [Italics supplied.]

And, again, in the claims which conclude the application, appears the language, "these currents being supplied to the ear with the use of *well-known amplifier and reproducing* apparatus." [37] [Italics supplied.] Neither Radtke nor Whitson contends that invention lay in the devising or discovering of suitable circuits [38] per se. Here, again, therefore, for the fourth time we have a fundamental finding by Justice Adkins repudiated by all parties.

V

At this point we come to a consideration of Radtke's theory of invention: That it was he who first disclosed an amplifier combination, i. e., an operative circuit connecting the photoelectric cell with the amplifier tube. Radtke relies heavily upon the decision of the Examiner of Interferences, but its claim of invention can derive little support from that source. It must be remembered that the Examiner's opinion was written upon the assumption that the question of invention had been settled by the 1931 decision of the district court—adversely to the former decision of the Patent Office. The Examiner's language, consequently, was concerned with priority and sufficiency of disclosure, not with invention. Priority and sufficiency of disclosure are matters which, in the present case at least, are secondary to that of invention. If the subject which the parties seek to disclose is not an invention, it makes no difference whether it is well or poorly described, or whose disclosure came first. If, in this year 1941, two contesting applicants should claim to have invented the wheelbarrow, the fact that one described it in the most elaborate and comprehensive manner, while the other failed completely in his effort to describe it, would not entitle the former to receive a patent.[39] Radtke's argument—based upon the premise that it was inventive to disclose an amplifier combination—is carried to considerable lengths, also, in an effort to prove that Vogt failed to disclose this feature. Thus, the argument is made that Vogt did not teach how to use the condenser and the high frequency oscillations; and that the Patent Office found the

[26] *Pick v. Coe*, 69 App. D. C. 216, 99 F.(2d) 985, 494 O. G. 718; *Weckerly* v. *Coe*, 71 App. D. C. 378, 110 F.(2d) 699, 513 O. G. 1015.

[26] *Kirsch Mfg. Co.* v. *Gould Mersereau Co., Inc.*, 2 Cir., 6 F.(2d) 793, 794; *L. Sonneborn Sons, Inc.*, v. *Coe*, 70 App. D. C. 97; 100, 104 F.(2d) 230, 233, 502 O. G. 4; *Murphy* v. *Coe*, 69 App. D. C. 225, 226, 99 F.(2d) 994, 995, 497 O. G. 545; *Shakespeare Products Co.* v. *Coe*, 70 App. D. C. 55, 57, 103 F.(2d) 756, 758, 501 O. G. 14; *Hamilton Laboratories, Inc.*, v. *Massengill*, 6 Cir., 111 F.(2d) 584, 587, cert. denied, (No. 398, October 21, 1940)—U. S.—. See *Sachs* v. *Hartford Elec. Supply Co.*, 2 Cir., 47 F.(2d) 743, 748, cert. denied, 283 U. S. 854.

[27] *Ruben Condenser Co.* v. *Copeland Refrigeration Corp.*, 2 Cir., 85 F.(2d) 537, 541, cert. denied, 300 U. S. 665.

[28] "14. . . . Leading scientists working on the problem of amplifying photoelectric cell currents during and shortly before and after the period of plaintiffs' [Vogt] work on the invention here at issue appreciated and encountered *difficulties* which were *then insurmountable by them in amplifying photoelectric cell currents sufficiently for any practical uses.*" [Italics supplied.]

[29] Langmuir, U. S. Patent No. 1,273,627 (1914), 252 O. G. 885: "8. Photometric means comprising a photoelectric cell, an electron discharge tube and means electrically associated with and coöperating therewith whereby an increase in current is produced in the tube of an amount equal to a given multiple of the value of the current in the photoelectric cell.

"10. Means for amplifying small electric currents comprising an electron discharge device having grid and plate circuits, a resistance which is included in both of said circuits, and a second resistance through which the current to be amplified may be caused to flow, and which is also included in said grid circuit."

[30] Wold, U. S. Patent No. 1,232,879 (1916), 240 O. G. 478.

[31] Kunz, Amplification of the Photoelectric Current by the Audion, 10 Physical Rev. (2d ser. 1917) 205.

[32] W. W. Coblentz, Instruments and Methods Used in Radiometry, III, 14 Bureau of Standards Bull. 507, 512 et seq.

[33] Vogt's Brief, p. 25: "The objection was that Vogt's original U. S. application did not say that amplifiers should be used, not that it was necessary to go into detail as to *how* to use them, or sound reproducers, in conjunction with Vogt's circuit. Of course a sound reproducer is 'essential to satisfactory operation' *but amplifiers are not,* as Vogt demonstrated (Vogt interference, R., pp. 160–190)." Br. 60–61: ". . . through the medium of the *amici curiae*, a further reef is shaken out to contend that all of the claims are unpatentable, and that the addition of the amplifier is not an inventive feature, which last mentioned point Vogt admitted in the beginning, in his German application (see supra, p. 23)." Br. 65: "Pages 18 to 21 of the *amici* brief established only what Vogt has admitted from the start (see supra, pp. 23, 26–27) namely that given Vogt's combination of his photoelectric cell with the film carrying acoustically-modulated light, and the constant light source, and the appropriate circuit connected to the cell, so that correspondingly modulated currents will flow in such circuit, then the use of such a combination in conjunction with an amplifier and loud speaker, if desired, could be taken care of *by known instruments then existing in the art and coupled to such circuit in the usual way.*" [Italics supplied.]

[34] "Q. Now I ask you whether it was, to your knowledge, true that in 1919 amplifiers and loud-speakers suitable for the purpose that you have quoted, were generally known to those skilled in the art in the United States—prior to 1919. A. Oh, yes. There are many public demonstrations of such apparatus. His Honor will probably remember many of the Liberty Loan drives where a speaker addressed a large audience, by means of the new loud-speakers and amplifiers; and it was *common practice to use such equipment as of 1919 and considerably earlier than that time.*" [Italics supplied.]

[35] "I might say that in 1915 and 1916 we began to get news of the fact that another tool of very great importance, namely, the thermionic amplifier or the audion, as it is commonly called, was coming into commercial form, so that it could be secured or it could be purchased. While the thermionic amplifier had been developed, particularly by Fleming, and subsequently by DeForest, the commercial form really did not appear until about 1915 or 1916. When I had knowledge of these two devices, namely, the audion and the photo-electric cell, I found that I had the means of doing something that had been in my consciousness for a considerable time; that is, the reproduction of sound; that is, I found in the photo-electric cell a light-sensitive means of sufficient activity and rapid restoring power to follow, or respond to, rapidly repeated light impulses. I found that the thermionic amplifier or the audion, as it is commonly called, was a means of increasing those impulses, which were extremely weak and small, to such a value as to become of practical value; . . ."

[36] *Perkins Electric Switch Mfg. Co.* v. *Gibbs Electric Mfg. Co.*, D. Conn., 87 F. 922, 923–924: ". . . stripped of the dazzling halo which conventionally adorns appliances designed to deal with that mysterious agent, electricity, and viewed in the everyday light of the prior art, it is merely a new and useful improvement, effected by the skillful adaptation of well-known means. . . ."

[37] Langmuir suggested circuits for use in amplifying photoelectric cell currents as early as 1914 (U. S. Patent No. 1,273,627, filed February 5, 1914, granted July 23, 1918, 252 O. G. 885); as did Kunz in 1917 (Amplification of the Photoelectric Current by the Audion, 10 Physical Rev. (2d ser. 1917) 205).

[38] Radtke's Brief, p. 131: "There is no doubt that audio amplifier tube circuits were well known before Vogt and that the art knew how to connect them in *telephone and radio circuits.* . . ."

Whitson's Brief, p. 54: "Whitson himself testified 'that . . . he *did not attach any significance to the circuits of the amplifier.*" [Italics supplied.]

Id. at p. 58: "However, it is not contended by Whitson that it is a circuit which is the subject of this interference, but merely the use of a photoelectric cell to reproduce sound by acoustically modulated light in any operative circuit of prior art."

[39] *Jones* v. *Morehead*, 1 Wall. [U. S.] 155, 163; *Pearce* v. *Mulford*, 102 U. S. 112, 117, 18 O. G. 1223. Cf. *Dunbar* v. *Myers*, 94 U. S. 187, 196–199, 11 O. G. 35; *Fuller-Warren Co.* v. *Michigan Stove Co.*, 7 Cir., 86 F. 463, 466, cert. denied, 172 U. S. 647. Cf. also, *Smith* v. *Nichols*, 21 Wall. [U. S.] 112, 119; *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390, 401, 344 O. G. 817.

Vogt disclosure deficient because it did not teach that the size of the condenser should be such as to accomplish tuning of the photoelectric circuit to the high frequency wave. But Radtke admits that "both condensers and high frequency oscillations were well known in 1919, as all parties agree."

Radtke argues that when on the trial Tri-Ergon demonstrated what it considered was the Vogt disclosure,

"a bypass condenser was placed across the telephones, which bypassed the 'high' frequency currents and without which there would have been no 'action in the circuit', . . . The Vogt application does not mention telephones nor, of course, any bypass condenser."

Radtke follows this statement immediately by an admission:

"Vogt says that in telephone circuits and in radio circuits it was not uncommon practice to use bypass condensers, *which is true.*" [Italics supplied.]

But, Radtke continues,

"*it does not follow* that a bypass condenser was also known to be useful in a photo-electric system containing the sound controlled electron emissions, 'high' frequency currents, and probably some mixed (beat) currents resulting from their interaction." [Italics supplied.]

Radtke argues further that in the interference proceedings Vogt constructed apparatus which contained a detector; that the Patent Office found that there was no justification for the use of a detector; that there is in fact no necessity for detectors in photoelectric cell circuits; and that there is no detector in the system of the Radtke application, which is in almost universal use in motion picture theatres and studios. Again it is argued that Vogt failed to teach how to connect amplifiers and sound reproducers. Radtke argues:

(1) "There is no doubt that audio amplifier tube circuits were well known before Vogt and that the art knew how to connect them in telephone and radio circuits;

(2) but Vogt is describing a photoelectric circuit, which, he says, required inventive genius to connect to an audio amplifier; (3) Justice Adkins found for Vogt on this point; (4) consequently, the failure to teach how to make the connection is fatal.

Vogt replies that no difficulty was involved in connecting (coupling or attaching) the disclosed circuit to known amplifiers, in light of the prior art; and that Radtke added nothing of inventive significance by disclosing his amplifier combination. William C. Ballard, Professor of Electrical Engineering at Cornell University, called as a witness for Vogt, and who qualified as an expert upon a record of years of academic training and professional experience, testified that amplifiers and circuits of the kind involved in the present case were generally known to those skilled in the art prior to 1919;[40] that the meaning of an oscillating circuit was well known before 1919, as was understanding of how to feed undamped high-frequency currents into such an oscillating circuit; that

"there is not the slightest difficulty in arranging such a circuit from knowledge of the prior art, and to set such a circuit into operation;"

that

"Once having transformed the light impulses into variations of modulated high frequency current, as shown on Plaintiff's Suit Exhibit 11, *the rest of the problem was easy,* because we had numerous cases where amplifying tubes and circuits and loud speakers were available. *You could go out and buy them in the open market, complete, without any experimentation to be done, and put them next to the coil that had this modulated high frequency current and convert it back into sound again.*" [Italics supplied];

that the adjustment or tuning of the circuit was described by DeForest in 1912, that it was well within the knowledge of one skilled in the art as of 1919 and earlier; and that he agreed heartily with the

[40] "Q. Were there any difficulties or unusual problems involved in applying such amplifiers and loud-speakers to plaintiff's photoelectric cell circuit—by that, I refer to the circuit as illustrated, for example, in plaintiff's drawings figure 3? A. No. After the sound-modulated current had been once produced, *there were a large number of different types of apparatus that could be used to amplify* it up and deliver it loudly to any number of people.

"Q. Was it known to those skilled in the art, in the United States, prior to 1919, to use amplifiers and loud-speakers in connection with high frequency oscillating circuits, starting with such a circuit as the source of the currents going into the amplifier? A. Yes, indeed. In many cases, instead of having the person listening to radio telegraph signals wear head-phones, a loud-speaker was placed in front of him so that he could have the incoming signals amplified to a point where he could directly copy them on a typewriter without having to bother with head-phones on his ears; and *such equipment would have been very easily adaptable to the Vogt circuit, and introducing the sound output of the photo cell.*

"Q. Would this amplifier and loud-speaker equipment you have just referred to have to be changed at all to couple it to the Vogt circuit that you referred to? A. No. *There were many types of commercial equipment available which could have been directly used, without any change whatsoever, in reproducing this type of sound.*

"Q. In your opinion, could a man of average skill in the art in 1918 or early 1919 do that without any trouble? A. *It would have been no difficulty to one skilled in the art, to set up such a circuit.*

"Q. I read to you the last sentence of the specification of the plaintiff's original United States application: 'In this way sufficient intensities of sounds can be produced even in large spaces.'

"I ask you what that would mean to you, in the light of those skilled in the art as of 1919. A. I think that is a definite reference to the existence of *well known pieces of commercial apparatus which could accomplish this result.* Loud-speakers were known. Amplifiers to feed these loud-speakers were known. And having once obtained the current to be amplified, the remainder of the process was fairly simple." [Italics supplied.]

Dr. Ballard also testified that: "'Q. Will you briefly refer to the plaintiff's German application and explain whether or not that sheds any light on this statement of the Examiner?'

"The Witness. On page 3 of the German application—

"Mr. Haselton. The translation?

"The Witness. Yes; the translation of the German application—

"Mr. Haselton. As found in Plaintiff's Suit Exhibit 1?

"The Witness. Yes. 'After describing the way in which the resistance changes of the cells could be used to influence the current in a high frequency circuit, I find this statement, referring to the second paragraph on the page, toward the end, about half way down:

" 'These stronger current variations than those of the photo-electric cell can be amplified if desired as above pointed out, and these energy sources are retained so that an adequate sound intensity is producible even in comparatively large rooms or halls.'

"My interpretation is that they once having gotten the light fluctuations into current fluctuations, the additional problem in amplifying these up to sufficient value to be heard in a large hall *was known in the art and could be accomplished with commercial apparatus.*" [Italics supplied.]

[41] 293 U. S. 1.

"Q. I read further from Mr. Justice Cardozo's decision: a statement as follows: 'Tuning the circuit to the appropriate frequency, he found that the messages communicated through the intake of a radio station were heard with a new clearness; signals from distant lands were borne to him across the seas.'

"How does your use of the word 'tuning' compare with the word 'tuning' which I quoted from the Examiner's rehearing decision? A. I understand it to be the same.

"Q. I read further from Mr. Justic Cardozo's decision: 'Upon discovering the effect of the feeding back in generating the sustained oscillations in the plate, he understood at once that by controlling the inductance or capacity in the oscillating circuit he could also control the frequency.'

" 'This, he says, in substance must have been obvious, upon reflection, to any competent electrician, though there would be need of a certain amount of adjustment and experiment in substituting the correct inductance or capacity, a process, it is argued, that would be well within the ability of anyone skilled in the art.'

"I skip one sentence, and quote:

" 'We find that for all of these contentions of DeForest, adequate support exists in the record and the law.' "

statements of Justice Cardozo, made in the case of *Radio Corp. of America.* v. *Radio Engineering Labs., Inc.*,[41] concerning DeForest's 1912 disclosure, which were read to him in the form set out in the margin.[42] Dr. Henry Crew, Emeritus Professor of Physics at Northwestern University, called as a witness by Radtke, on cross-examination testified that during the first World War amplifiers for electrical currents were in use in radio circuits and in telephone circuits; that DeForest demonstrated their use long before the War, and that many ways of connecting up circuits for that purpose were known to those skilled in the art.[43] On this issue Whitson joins Vogt in contending that no invention lay in the circuits or in the connecting of them.[44] Chromy, Whitson's witness, testifying concerning the 1917 article by Kunz,[45] stated that the article described a circuit properly connected and further:

"Assuming, of course, that we have the sound track and the reproducing device, such as head phones or a loud speaker, the sound track could be reproduced through this circuit and the response or reproduction, I believe, would be faithful and understandable."

Especially damaging to Radtke's theory of invention and claim of disclosure is that portion of Justice Goldsborough's decision which reads as follows:

"The patent application of March 27, 1922, undoubtedly disclosed the counts at issue, but it is to be noted that on the 26th day of May, 1921, when Radtke sent his application to his attorney in Washington, the so-called British abridgments, which contained a description of the circuit described by Radtke in his application, had been in a scientific library in Chicago, frequented by Radtke, since May 17."

In this connection, Vogt relies particularly upon findings numbered 13, 14 and 15, made by the district court in the present case, which read as follows:

13. The testimony herein of plaintiffs' expert Prof. Ballard and the accompanying plaintiffs' exhibits showing the state of the prior art, established with thorough conviction that the disclosure of the Vogt, et al. original U. S. application in issue was sufficient to enable those skilled in the art or science to which it relates to make and use the apparatus defined in the four claims in issue.

14. The criticisms made from time to time in the Patent Office interference proceedings, of the Vogt, et al. U. S. application, all relate to things which were theretofore well known and understood by those skilled in the art or science to which the application relates, and the use of which in conjunction with the disclosure of said application was obvious to those skilled in said art or science.

15. Defendants herein offered no proofs tending substantially to support the criticisms of the disclosure of the Vogt, et al. U. S. application which had been previously made in the Patent Office interference proceedings, or tending substantially to refute the plaintiffs' evidence herein establishing the sufficiency of such disclosure.

In our view these findings are supported by the evidence, and prove that Radtke invented nothing. However, we do not reach the conclusion therefrom that Vogt invented anything either. Carefully read, it will be seen that these three findings could have been equally well made concerning a textbook description of any well known device. As already pointed out, the fact that a claimant sufficiently discloses something so that those skilled in the art could make and use the apparatus, is far from enough to show that he invented the apparatus.

[6] As to every factor of supposed novelty, therefore, and as to every claim of means, combination, and connection, upon which invention depends, one or the other of the three applicants not only concedes but contends that it was taught by the prior art. We are satisfied that, individually and collectively, they have successfully challenged every contention and disproved every claim. The fact that all three present parties were working, at remote points of the compass, toward the same objective; and that numerous others for many years had been experimenting and writing toward that same objective, is suggestive in itself, that what is here involved is not invention[46] but, rather, the natural step by step development of the art;[47] until at the end the opportunity for invention had passed,[48] and when, later, there became a generally

[41] 293 U. S. 1.

[42] "Q. I read you from Mr. Justice Cardozo's decision a statement as follows: 'Tuning the circuit to the appropriate frequency, he found that the messages communicated through the intake of a radio station were heard with a new clearness; signals from distant lands were borne to him across the seas.'

"How does your use of the word 'tuning' compare with the word 'tuning' which I quoted from the Examiner's rehearing decision? A. I understand it to be the same.

"Q. I read further from Mr. Justice Cardozo's decision: 'Upon discovering the effect of the feeding back in generating the sustained oscillations in the plate, he understood at once that by controlling the inductance or capacity in the oscillating circuit he could also control the frequency.'

" 'This, he says, in substance must have been obvious, upon reflection, to any competent electrician, though there would be need of a certain amount of adjustment and experiment in substituting the correct inductance or capacity, a process, it is argued, that would be well within the ability of anyone skilled in the art.'

"I skip one sentence, and quote:

" 'We find that for all of these contentions of DeForest, adequate support exists in the record and the law.' "

[43] And see Henney, Electron Tubes in Industry (1934) 32: "The fact that an electron current could be established through a vacuum in the manner described above is known as the Edison effect after the discoverer of the phenomenon. Fleming, in England, in 1897 made the first practical use of the phenomenon. He made a wireless signal detector using the Edison effect. Much later, (1906) DeForest in the United States made a further remarkable and vastly important discovery, the value of placing a grid of wires between the cathode and plate, thus forming the three-element tube (triode) and making possible the radio, long-distance telephone, sound pictures, and now the electronic industry."

[44] Whitson's Brief, p. 16: "An examination of the several thousand pages of this testimony will reveal just a mass of trashy rubbish when it is considered that all of the four counts were based upon a comparatively simple sound reproducing system."

[45] Amplification of the Photoelectric Current by the Audion, 10 Physical Rev. (2d ser. 1917) 205, 206.

[46] *Ruben Condenser Co.* v. *Copeland Refrigeration Corp.*, 2 Cir., 85 F.(2d) 537, 541, cert. denied, 300 U. S. 665: "The setting here is a familiar one; at about the same time several inventors began to supply the same need; they naturally varied in their answers and one may be better than the others. But there is little antecedent reason for saying that any of such spontaneous outcroppings required unusual abilities, or that a successful device was not sure to be soon found. That is quite a different picture from that of a need long existing, with inconclusive answers spread throughout its duration, finally capped by success."; *Kirsch Mfg. Co.* v. *Gould Mersereau Co., Inc.*, 2 Cir., 6 F.(2d) 793, 794.

[47] *Minnesota Min. & Mfg. Co.* v. *Coe*, 69 App. D. C. 217, 220, 99 F.(2d) 986, 989, 493 O. G. 946; *Railroad Supply Co.* v. *Elyria Iron & Steel Co.*, 244 U. S. 285, 293, 239 O. G. 656. Cf. *Altoona Publix Theatres, Inc.* v. *American Tri-Ergon Corp.*, 294 U. S. 477, 486, 452 O. G. 705.

recognized demand [49] for a film record type of sound reproduction, no more was required than to take the final, obvious step [50] of substituting the photoelectric cell, with its well known advantages, for the selenium cell with its well known inadequacies.

[7] This being true, it is not necessary to decide the question of priority so ably presented on this appeal. We may assume, hypothetically, that either the Patent Office or the district court correctly decided the question of priority, as between such disclosures as may have been made by each of the parties.[51] But as none of those discoveries constituted invention, the question of priority is immaterial. Each of the parties, it is true, apparently assumed that the issue of invention had been settled and that only the question of priority would be considered. It was, perhaps, because of that assumption that each—relying upon some phase of the history of sound reproduction which seemed most favorable to it—at the same time joined so wholeheartedly with the others in demonstrating that none invented anything. As previously indicated, this court cannot be guided by the assumption upon which the parties seem to have relied. Instead, it is required to determine the question of invention from the record.

That record convincingly establishes that (1) the district court incorrectly decided, in 1931, the issue of invention then presented to it; (2) the lower court in the present case incorrectly relied upon its earlier decision; (3) as the Patent Office correctly determined in 1927, none of the four claims in suit described an invention; and (4) no one of the parties is entitled to enjoy the monopoly which it desires.

[8] The motion of the Commissioner of Patents, that the appeal be dismissed as to him, is denied;[52] the decree of the district court is reversed, and the cause is remanded to the district court with instructions to dismiss the complaint.

Reversed.

STEPHENS, *A. J.*:

I think the decision in this appeal should be upon the question of the correctness of the decree below on the issue of priority and the ancillary issue of disclosure, and that the court should not pass upon the question of patentability.

Under the pleadings the only issues before the trial court were the one of priority as between Whitson, Radtke, and Vogt (American Tri-Ergon Corporation), and the further ancillary issue as to whether Vogt's application disclosed what was defined in the claims. It is true that there are statements in the conclusions of law and decree which, if read without reference to the state of the pleadings, seem to indicate that the trial court did pass upon the question of patentability of the apparatus described in the claims. But, in view of the absence of any issue of patentability under the pleadings, those statements must be disregarded, as surplusage. Not only was there no issue raised below by either Whitson, Radtke or Vogt as to patentability, but also the Commissioner of Patents made no contention against patentability. On the contrary, he sought to be dismissed from the case, upon the theory that he was neither an "opposing party" within section 4915 of the Revised Statutes, nor an adverse party. He relied upon *Eno* v. *Coe*, 70 App. D. C. 337, 106 F.(2d) 858 (1939), 506 O. G. 530, and *Coe* v. *Hobart Mfg. Co.*, 70 App. D. C. 2, 102 F.(2d) 270 (1939), 502 O. G. 3. The Commissioner did not appeal from the decision of Judge Adkins on the question of patentability of the same claims in the case of *American Tri-Ergon Corp.* v. *Robertson*, and in the instant case the Commissioner was clearly acquiescing in that decision.

It is true that in *Hill* v. *Wooster*, 132 U. S. 693 (1890), 50 O. G. 560, in a suit brought under section 4915 to determine a question of priority, the question of patentability of the claims involved was passed upon judicially for the first time on appeal. But in that case the Commissioner of Patents was not a party in the trial court and the public interest, therefore, had been without representation in a judicial proceeding. The theory of the decision in *Hill* v. *Wooster* was, I think, that under such circumstances the appellate court had, and should exercise, the power to protect the public against a monopoly in respect of palpably non-patentable claims. But a very different situation exists in respect of the claims in the instant case. For the public interest has twice had representation in judicial proceedings on the question of patentability of these claims—once when in *American Tri-Ergon Corp* v. *Robertson* the Commissioner contested their patentability, and again in the instant case when, although the Commissioner was made a party below, he sought to be dismissed from the case, thus choosing, as the representative of the public interest, not to raise any question as to patentability. I think that the decision of the majority constitutes, under the circumstances, an unwarranted collateral attack upon the decision of the trial court in *American Tri-Ergon Corp.* v. *Robertson*, which stands as a valid and unappealed decision of a competent court in this jurisdiction to the effect that the claims are patentable. And in the instant case, where, unlike *Hill* v. *Wooster*, the question of patentability is at least debatable, and where the improvement involved has gone into wide commercial use in an important industry, the question of patentability ought not, in my opinion, in fairness to the parties, be decided for the first time on appeal.

I am of the further view that the present decision of the majority on the question of patentability can not properly consider, as it does, scientific references which are not in the record, and which are not referred to in the briefs.[1] A court can, of course, in order to obtain an understanding of the factual aspects of a patent case, take judicial notice of established scientific facts, and it may, in order to inform itself concerning them, consult standard scientific works; but it can not take judicial notice of a disputed fact. The question of patentability discussed in the majority opinion is whether or not it was obvious to substitute for a selenium cell in a sound reproducing apparatus a photoelectric cell of alkali cathode type in conjunction with circuit connections and an amplifier. The determination of that issue is dependent upon the answer to a question in respect of the state of the art so far as concerned knowledge of the properties, uses and advantages of the photoelectric cell of the alkali cathode type and of the selenium cell. More specifically, that question is whether the properties, uses and advantages of a photoelectric cell of the alkali cathode type were so well known in the art at the time that Whitson, Vogt and Radtke were severally working upon the substitution which they now assert is patentable, that it can not be said to have required inventive genius to make the substitution for selenium. The scientific references to which I have referred are cited by the majority as relevant to that question of fact. I think an appellate court can not properly reach an answer to such a question upon the basis of its own examination of data not in the record, and which may be disputable, without first affording opportunity to the parties to be heard in respect of it and an opportunity to supply additional relevant data. The rule that in administrative proceedings "Nothing can be treated as evidence which is not introduced as such" (Brandeis, J., in *United States* v. *Abilene & So. Ry. Co.*, 265 U. S. 274, 288 (1924)), applies even more strictly in judicial proceedings.

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[49] *Hansen* v. *Slick*, 3 Cir., 230 F. 627, 633: "Substantial advance, marked improvement, progressive steps in an art, however beneficial, are not in themselves evidence of invention. They are to be expected, and, as the art progresses, more engineering skill, more mechanical progress, *but less invention*, are naturally to be looked for." [Italics supplied.]

[50] Cf. *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 474–475, 452 O. G. 701.

[50] *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 470–473, 452 O. G. 701; *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corp.*, 294 U. S. 477, 486, 452 O. G. 705; *Berlin Mills Co.* v. *Procter & Gamble Co.*, 254 U. S. 156, 166, 281 O. G. 574; *L. Sonneborn Sons, Inc.*, v. *Coe*, 70 App. D. C. 97, 100, 104 F.(2d) 230, 233, 502 O. G. 4; *Minnesota Min. & Mfg. Co.* v. *Coe*, 69 App. D. C. 217, 220, 99 F.(2d) 986, 989, 493 O. G. 946.

[51] Cf. *Morgan* v. *Daniels*, 153 U. S. 120, 124–125, 67 O. G. 811; *Bayer* v. *Rice*, 64 App. D. C. 107, 108, 75 F.(2d) 238, 239.

[52] *Gandy* v. *Marble*, 122 U. S. 432, 439, 39 O. G. 1423; *Cleveland Trust Co.* v. *Berry*, 6 Cir. 99 F.(2d) 517, 520.

[1] I refer to the following: (1) Walker and Lance, "Photoelectric Cell Applications" (2d ed. 1935); (2) Allen, "Photoelectricity" (1913); (3) Hughes and DuBridge, "Photoelectric Phenomena" (1932); (4) Zworykin and Wilson, "Photocells" (2d ed. 1934); (5) Henney, "Electron Tubes in Industry" (1934); and (6) Millikan, "A Direct Photoelectric Determination of Planck's 'h'", 7 Phys. Rev. 355 (1916).

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,447,090, J. E. Langsdorf, Necktie, D. C., S. D. N. Y., Doc. 7/283, *J. E. Langsdorf Co., Inc.*, v. *True Value Neckwear Co. et al.* Cause dismissed for lack of prosecution Dec. 23, 1941.

1,498,269, J. J. Harris, Adhesive material, D. C., N. D. Ill., E. Div., Doc. 2517, *J. J. Harris* v. *Dewey & Almy Chemical Co.* By stipulation cause dismissed with prejudice Nov. 3, 1941. Doc. 3084, *J. J. Harris* v. *Eagle Picher Lead Co.* By stipulation cause dismissed with prejudice Dec. 8, 1941.

1,584,955, W. H. Leinweber, Fluid propeller, D. C., N. D. Ill., E. Div., Doc. 3220, *W. H. Leinweber* v. *The Torrington Mfg. Co.* On motion of plaintiff cause dismissed with prejudice Nov. 27, 1941.

1,588,171, R. H. Chadwick, Transformer, D. C., N. D. Ill., E. Div., Doc. 2319, *General Electric Co.* v. *Sola Electric Co.* On stipulation cause dismissed Oct. 6, 1941.

1,598,991, W. Strauss, Vanity and compact case, (declaratory judgment), D. C., S. D. N. Y., Doc. 2/445, *Zell Products Corp.* v. *Rex Products Corp. et al.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

1,658,670, T. Corbett, Platform support for suspended scaffolds, D. C., S. D. N. Y., Doc. 8/63, *The Patent Scaffolding Co.* v. *Advance Steel Scaffold Corp.* Stipulation of discontinuance without prejudice (notice Jan. 9, 1942).

1,677,232, J. F. Gail, Mattress or cushion and boxing therefor, and process of making same, D. C., N. D. Ill., E. Div., Doc. 2770, *Simmons Co.* v. *A. Brandwein & Co., Inc.* Consent judgment holding patent valid and infringed, injunction Nov. 5, 1941.

1,779,102, W. H. Oldfield, Bath trap, D. C., W. D. N. Y., Doc. 399, *R. W. Oldfield* v. *Nunn Brass Works.* Dismissed Dec. 20, 1941.

1,811,984, P. M. Taft, Jacket for coverings for steam and other pipes, filed Dec. 30, 1941, D. C., S. D. N. Y., Doc. 6/262, *P. M. Taft* v. *Keasbey & Mattison Co.* Judgment (notice Dec. 30, 1941).

1,835,722, W. E. Rembert, Casing perforator for oil wells, filed Dec. 20, 1941, D. C., W. D. La. (Shreveport), Doc. 594, *W. E. Rembert* v. *Lane-Wells Co.*

1,845,936, J. F. Rude, Spider wheel for harrows, D. C., S. D. Ohio, W. Div., Doc. 99, *J. F. Rude* v. *Sears, Roebuck & Co. et al.* Dismissed without prejudice (notice Dec. 31, 1941).

1,871,099, M. Vitoux, Needle-holding handle, filed Dec. 26, 1941, D. C., S. D. N. Y., Doc. 17/47, *American Vitos Co., Inc.*, v. *Alka Mfg. & Sales Corp. et al.*

1,889,429, Weigand & Venuto, Carbon black and process of making same, C. C. A., 4th Cir., Doc. 4837, *Binney & Smith Co.* v. *United Carbon Co. et al.* Decree reversed Jan. 6, 1942.

1,915,883, A. H. Fager, Dump truck and trailer construction, D. C., S. D. Calif. (Los Angeles), Doc. 1783–Y, *Fager Hydraulic Hoist & Body Co. et al.* v. *C. B. Equipment Co.* Judgment of dismissal without prejudice (notice Jan. 3, 1942).

1,921,280, J. F. Blake, Combination check and gate valve, D. C., N. D. Okla. (Tulsa), Doc. 212, *A. B. Blake* v. *Wheatley Bros. Pump & Valve Mfgs. et al.* Dismissed without prejudice Dec. 22, 1941.

1,953,048, B. H. Crompton, Arch support for shoes, D. C., S. D. N. Y., Doc. E 85/367, *The H. C. Godman Co.* v. *Bata Shoe Co., Inc.* Consent order (notice Dec. 13, 1941).

1,953,714, C. E. Jenkins, Fruit extractor, D. C., N. D. Ill., E. Div., Doc. 3223, *Modern Products Supply Co.* v. *Chicago Health Food Center.* Claims 1 and 21 held valid and infringed, injunction Nov. 21, 1941.

1,984,180, W. C. Dickson, Weatherproof nails, D. C., N. D. Ill., E. Div., Doc. 2630, *Dickson Weatherproof Nail Co.* v. *The Deniston Co.* Consent judgment holding patent valid and infringed, injunction Dec. 17, 1941.

1,997,429, R. E. Paige, Display device, D. C., S. D. N. Y., Doc. 9/367, *Display Finishing Co., Inc., et al.* v. *Reynolds Metals Co., Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

2,001,555, H. A. Trebler, Device for the irradiation of milk and ultra violet rays, appeal filed Dec. 16, 1941, C. C. A., 1st Cir., Doc. 3744, *Hanovia Chemical & Mfg. Co.* v. *David Buttrick Co.*

2,002,638, Lee & Kaufmann, Traveling bag, D. C., S. D. N. Y., Doc. 10/231, *K. Kaufmann & Co., Inc.*, v. *Globe Sales & Mfg. Co. et al.* Judgment (notice Jan. 3, 1941).

2,028,339, Levine & Kaufmann, Baggage, D. C., S. D. N. Y., Doc. 9/470, *K. Kaufmann & Co., Inc.*, v. *Lincoln Luggage Co., Inc.* Consent judgment (notice Dec. 26, 1941).

2,030,865, W. T. Gollwitzer, Address plate, C. C. A., 2d Cir., Doc. —, *Addressograph-Multigraph Corp.* v. *Staudt et al.* Decree affirmed (notice Jan. 8, 1942).

2,033,736, G. H. Perryman, Machine for making corn plasters, D. C., S. D. N. Y., Doc. 8/370, *Scholl Mfg. Co., Inc.*, v. *Foot Aid Products.* Dismissed for lack of prosecution Dec. 23, 1941.

2,045,871, I. Pilot, Brassière, D. C., S. D. N. Y., Doc. 6/466, *I. Pilot* v. *Snugfit Foundations, Inc., et al.* Consent order of discontinuance (notice Dec. 30, 1941).

2,078,059, R. H. Churchill, Hand wheel cover, D. C., N. D. Ill., E. Div., Doc. 2999, *R. H. Churchill* v. *Blue Star Auto Stores, Inc.* By stipulation cause dismissed without prejudice Dec. 3, 1941.

2,096,602, A. Weingarten, Plumbing fixture, filed Jan. 5, 1942, D. C., E. D. N. Y., Doc. 2480, *J. Weingarten et al.* v. *Savory Brass Mfg. Co., Inc.*

2,119,500, F. J. Quigan, Method of making handbag frames, D. C., S. D. N. Y., Doc. 10/387, *Frame Patents Development Corp.* v. *Ware Metal Products, Inc., et al.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

2,144,683, McClung & Schildknecht, Mat, D. C., S. D. Calif. (Los Angeles), Doc. 1547 Y, *E. F. McClung* v. *The May Co.* Dismissed with prejudice on application of plaintiff (notice Dec. 30, 1941).

2,151,234. Rutten & Rutten, Building structure, D. C., N. D. Ill., E. Div., Doc. 2888, *Railoc Co.* v. *De Muth Steel Products Co.* Claims 1, 2, 3, 4, 6, 8, 10, and 13 held invalid; bill dismissed Nov. 11, 1941.

2,163,429, Kaplan & Rosenberg, Pocket case, especially for ladies' compact, (declaratory judgment), D. C., S. D. N. Y., Doc. 4/498, *Zell Products Corp.* v. *Rex Products Corp. et al.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

2,215,292, M. Koscierzyna, Support for electric sadiron cord, D. C., N. D. Ill., E. Div., Doc. 2744, *M. Koscierzyna* v. *Excel Metal Products Corp.* Patent held valid and infringed, injunction Nov. 5, 1941.

2,259,962, H. L. Owen, Shingle, filed Dec. 3, 1941, D. C., S. D. Calif., C. Div., Doc. 1930–RJ, *V-Way Shingle Products, Inc.*, v. *Chas. Fix et al.* Doc. 1929–RJ, *V-Way Shingle Products, Inc.*, v. *Haworth Co.* Same, filed Dec. 8, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1944–RJ, *V-Way Shingle Products, Inc.*, v. *C. A. Dressel et al.*

2,261,072, L. J. Monahan, Conductive shoe, filed Jan. 2, 1942, D. C., N. D. Ind. (South Bend), Doc. 303, *O'Donnell Shoe Co.* v. *Mishawaka Rubber & Woolen Mfg. Co.*

Adjudicated Patents

(D. C. Calif.) Steenbock patent, No. 1,680,818, for antirachitic product and process, *Held* valid, and claims 1, 2, 3, 5, 6, and 8 *Held* infringed. *Wisconsin Alumni Research Foundation* v. *Vitamin Technologists*, 41 F. Supp. 857.

(C. C. A. Ill.) Irwin and Bekius patent, No. 1,736,533, for end extension table, claim 5 *Held* invalid. *Robert W. Irwin Co.* v. *Empire Table Co.*, 123 F.(2d) 636.

(C. C. A. Va.) McElrath patent, No. 1,751,165, for apparatus for chemical treatment of fibrous material, *Held* invalid. *McElrath* v. *Industrial Rayon Corporation*, 123 F.(2d) 627.

(D. C. Calif.) Steenbock patent, No. 1,871,136, for antirachitic product, essence and process, *Held* valid, and claims 1, 2, 3, 5, 6, and 7 *Held* infringed. *Wisconsin Alumni Research Foundation* v. *Vitamin Technologists*, 41 F. Supp. 857.

(C. C. A. Oreg.) Veaux patent, No. 2,002,102, for apple box *Held* invalid. *Veaux* v. *Southern Oregon Sales*, 123 F.(2d) 455.

(D. C. Calif). Steenbock patent, No. 2,057,399, for antirachitic product and process, *Held* valid, and claims 3 and 4 *Held* infringed. *Wisconsin Alumni Research Foundation* v. *Vitamin Technologists*, 41 F. Supp. 857.

(D. C. Ill.) Christopher patent, No. 2,151,187, for electric photometer, claim 3 *Held* valid and infringed. *Christopher* v. *Hornstein*, 41 F. Supp. 849.

(C. C. A. Ill.) Warp patent, No. 2,181,555, for combined shipping, dispensing and display device, *Held* invalid. *Warp* v. *Warp*, 123 F.(2d) 524.

(C. C. A. Ill.) Squire patent, No. 2,187,989, for shooting gallery, *Held* valid and infringed. *Russell* v. *J. P. Seeburg Corporation*, 123 F.(2d) 509.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,003,212, R. E. Millican and W. R. Millican, Power transmission, decided January 5, 1942, claims 3, 4, 6, 7, 9, 10, 12, 13 and 16.

Pat. 2,204,962, R. Hildebrandt, Automatic volume control, decided January 6, 1942, claim 8.

Disclaimer

No. 2,175,152.—*Henry W. Hey*, Richmond, Va. GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES. Patent dated October 3, 1939. Disclaimer filed January 9, 1942, by the assignee, *Automatic Shifters, Inc.*

Hereby enters disclaimer to claims 6, 7, 12, and 13, in said specification.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Jan. 5, 1942.*

National Food Products Corporation, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Squirt Company, 8438 Wilshire Boulevard, Beverly Hills, Calif., to effect the cancellation of registration No. 181,557, issued March 25, 1924, to National Food Products Corporation, Inc., 161 North Anderson Street, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said National Food Products Corporation, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said National Food Products Corporation, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 3, 1942

[VOL. 535. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 447,540. FLORIDA WHOLESALE FLORISTS, INC., Orlando, Fla. Filed Oct. 4, 1941.

Cel-O-Pak

The syllable "Pak" is disclaimed apart from the mark.

FOR NATURAL PLUMOSUS.

Claims use since June 3, 1941.

Ser. No. 448,109. MCHUTCHISON & CO., New York, N. Y. Filed Oct. 25, 1941.

XX SUPERIOR

The word "Superior" is disclaimed apart from the mark.

FOR RAFFIA.

Claims use since September, 1911.

Ser. No. 448,110. MCHUTCHISON & CO., New York, N. Y. Filed Oct. 25, 1941.

XXX SUPERIOR

The word "Superior" is disclaimed apart from the mark.

FOR RAFFIA.

Claims use since July, 1928.

Ser. No. 448,721. THE HARRY E. COAL COMPANY, Swoyerville, Pa. Filed Nov. 18, 1941.





The word "Anthracite" is disclaimed apart from the mark.

FOR COAL.

Claims use since Apr. 10, 1934.

Ser. No. 448,875. O. M. SCOTT & SONS COMPANY, Marysville, Ohio. Filed Nov. 24, 1941.



FOR FIELD, GARDEN, AND GRASS SEEDS.

Claims use since April, 1928.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 448,087. THORNTON LAUNDRY & DRY CLEANING Co., Youngstown, Ohio. Filed Oct. 24, 1941.

THOR-CLENE

No claim is made to the word "Clene" apart from the mark.

FOR DRY CLEANING PREPARATION.

Claims use since May 15, 1940.

Ser. No. 448,484. SOUTHEASTERN CLAY COMPANY, Aiken, S. C. Filed Nov. 8, 1941.

CAROTEX-42

FOR REFINED KAOLIN USED AS AN ABSORBENT CARRIER, A CLEANER, AND FILTERING MATERIAL FOR CLEANING GARMENTS, FABRICS OF ALL KINDS, GLASS, FURS, AND THE LIKE, AND AS A FILTERING AND CLEANING MATERIAL FOR RECLAIMING CLEANERS' SOLUTIONS.

Claims use since Oct. 4, 1941.

Ser. No. 448,593. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Nov. 12, 1941.

FUZEE

FOR CLEANING COMPOUND INTENDED PRIMARILY FOR THE CLEANING OF METAL SURFACES.

Claims use since Nov. 12, 1940.

Ser. No. 449,062. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

SHOCKING

FOR SOAPS.
Claims use since July 10, 1937.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 424,862. BEAR DRUG COMPANY, Shawnee, Okla. Filed Oct. 25, 1939.



FOR PRESCRIPTIONS AND PHARMACEUTICALS—NAMELY, GLYCERINE, CASTOR OIL, FLUID EXTRACT OF CASCARA SAGRADA, WITCH HAZEL, BAY RUM, TINCTURE OF IODINE, POWDERED SACCHARIN, TANNIC ACID, ZINC OXIDE, CALCIUM CARBONATE, POWDERED CALOMEL, ASPIRIN TABLETS, BILE SALTS TABLETS, METHYLENE BLUE TABLETS, DIURETIC COMPOUND PILLS, LAXATIVE COLD TABLETS, MINERAL OIL, MILK OF MAGNESIA, IRON, QUININE AND STRYCHNINE PHOSPHATES, SYRUP OF HYPOPHOSPHITES.
Claims use since Aug. 30, 1935.

Ser. No. 433,043. HYGRADE PRODUCTS COMPANY, INC., Long Island City, N. Y. Filed June 13, 1940.



The words "All-Klimate" and "Leakless" are disclaimed apart from the mark.
FOR HYDRAULIC SHOCK ABSORBER COMPOUND.
Claims use since May 1, 1940.

Ser. No. 439,977. SELECT COSMETICS CO., Chicago, Ill. Filed Jan. 23, 1941.

Secure

FOR BODY DEODORANT.
Claims use since Nov. 8, 1939.

Ser. No. 447,556. THE CHATTANOOGA MEDICINE COMPANY, Chattanooga, Tenn. Filed Oct. 6, 1941.

ZYRONE

FOR IRON VITAMIN TONIC.
Claims use since Sept. 16, 1941.

Ser. No. 447,860. AUTOMOTIVE ECONOMY CORPORATION, Wilmington, Del., and New York, N. Y. Filed Oct. 17, 1941.

VITOL

FOR ENERGIZING PREPARATIONS OR CHEMICALS TO BE ADDED TO FUELS.
Claims use since Sept. 15, 1938.

Ser. No. 448,291. HEALTHAIDS, INC. OF NEW JERSEY, Newark, N. J. Filed Oct. 31, 1941.

LARUTAN
Read it Backwards

Applicant disclaims the words "Read it Backwards" apart from the mark.
FOR VITAMIN PREPARATION FOR USE AS A FOOD AUXILIARY AND VITAMIN DEFICIENCY CORRECTIVE.
Claims use since Oct. 23, 1941.

Ser. No. 448,310. THE WHITE & BAGLEY COMPANY, Worcester, Mass. Filed Oct. 31, 1941.

VITASOLV

FOR LIQUID FLUSHING AND CLEANING COMPOUND FOR FLUSHING AND CLEANING MOTORS, ENGINES, GEARS AND GEARING, GEAR BOXES, AND CRANK CASES.
Claims use since Mar. 16, 1938.

Ser. No. 448,491. WALLY BLAUSTEIN, New York, N. Y. Filed Nov. 10, 1941.

Dalila

FOR PERFUME, TOILET WATER, HAIR LOTION, EAU DE COLOGNE, BRILLIANTINE, LAVENDER WATER, HAND LOTION, FACE LOTION, FACE POWDER, TALC POWDER, LIPSTICK, MASCARA, HAND CREAM, LEMON CREAM, CLEANSING CREAM, VANISHING CREAM.
Claims use since Sept. 15, 1941.

Ser. No. 448,623. SCIENTIFIC NUTRITION CORPORATION, Bloomfield, N. J. Filed Nov. 13, 1941.

VITADIET

FOR FOOD SUPPLEMENTS CONTAINING VARIOUS VITAMINS AND MINERALS INDICATED IN CASES OF VITAMIN MINERAL DEFICIENCIES.
Claims use since Oct. 30, 1941.

Ser. No. 448,697. THE KNOX COMPANY, Los Angeles, Calif. Filed Nov. 17, 1941.



No claim is made to the outline of a label.
FOR MEDICINAL PREPARATIONS TO STIMULATE THE CIRCULATORY SYSTEM OF THE HUMAN BODY, AND INDICATED IN AND FOR THE PREVENTION AND TREATMENT OF THE SYMPTOMATIC MANIFESTATIONS THAT MAY RESULT FROM AN EXCESSIVE DECELERATION OF BLOOD CIRCULATION.
Claims use since May 15, 1941.

Ser. No. 448,773. VANBERT, LTD., Los Angeles, Calif. Filed Nov. 19, 1941.

Dudu

FOR LOTION, TOOTH POWDER, HAIR DRESS, TALCUM POWDER, AND COLOGNE.
Claims use since Nov. 7, 1941.

Ser. No. 448,818. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Nov. 22, 1941.



FOR PERFUMES AND TOILET WATER.
Claims use since October, 1941.

Ser. No. 448,832. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Nov. 22, 1941.

FERRINESIA

FOR ACID NEUTRALIZING ASTRINGENT AND HEMATINIC.
Claims use since Oct. 28, 1941.

Ser. No. 448,921. PARK DRUG CO. INC., New York, N. Y. Filed Nov. 25, 1941.

Mix-o-lag

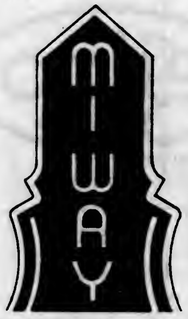
FOR PREPARATION FOR THE RELIEF OF OCCASIONAL CONSTIPATION.
Claims use since Nov. 17, 1941.

Ser. No. 448,979. MYKRON COMPANY, Chicago, Ill. Filed Nov. 27, 1941.

GOOD MORNING

FOR VITAMIN PREPARATIONS.
Claims use since Mar. 15, 1941.

Ser. No. 448,984. PEACOCK LABORATORIES, San Francisco, Calif. Filed Nov. 27, 1941.



FOR HAIR CONDITIONER.
Claims use since Mar. 18, 1940.

Ser. No. 448,992. SALLY VICTOR, INC., New York, N. Y. Filed Nov. 27, 1941.

WHITE TIE

FOR COLOGNE, PERFUME, AND FACE, TALCUM, AND DUSTING POWDERS.
Claims use since Oct. 15, 1941.

Ser. No. 448,994. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Nov. 27, 1941.

PHOSCAVITA

FOR CALCIUM DIPHOSPHATE PREPARATION CONTAINING VITAMINS, INTENDED FOR USE IN NUTRITIONAL DISTURBANCES.
Claims use since Nov. 18, 1941.

Ser. No. 448,995. WILLIAM R. WARNER & Co., INC., New York, N. Y. Filed Nov. 27, 1941.

VICAPHOS

FOR CALCIUM DIPHOSPHATE PREPARATION CONTAINING VITAMINS, INTENDED FOR USE IN NUTRITIONAL DISTURBANCES.
Claims use since Nov. 18, 1941.

Ser. No. 449,146. MAKRON CHEMICAL CO., New York, N. Y. Filed Dec. 3, 1941.

EJEXOOT

FOR SOOT REMOVER.
Claims use since Nov. 5, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 448,616. CHARLES S. LEE, doing business as E. T. Gilbert Mfg. Co., Rochester, N. Y. Filed Nov. 13, 1941.

gilco

FOR PIPE CLEANERS.
Claims use since December, 1919.

CLASS 10

FERTILIZERS

Ser. No. 448,876. O. M. SCOTT & SONS COMPANY, Marysville, Ohio. Filed Nov. 24, 1941.

FOR LAWN, TURF, AND GARDEN FERTILIZERS, GRASS AND PLANT FOODS, AND FERTILIZERS.
Claims use since Aug. 7, 1933.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 447,470. STANDARD MANIFOLD COMPANY, Chicago, Ill. Filed Oct. 1, 1941.

REPEAT-O-PAK

The term "Pak" is disclaimed apart from the mark.
FOR PACKS OF CARBON PAPER.
Claims use since Nov. 8, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 448,915. MANHATTAN TERRAZZO BRASS STRIP CO., INC., New York, N. Y. Filed Nov. 25, 1941.

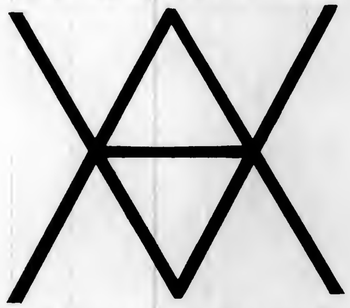
MANHATTANITE

FOR DIVIDING STRIPS OR OTHER FORMED PIECES, WHETHER OF METAL OR OTHER MATERIAL, SUCH AS ARE USED IN OR ON TERRAZZO OR COMPOSITION OR CEMENT FLOORS OR WALLS.
Claims use since Aug. 1, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 444,110. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941.



The mark comprises a monogram representing the letters "W" and "A" interwoven or combined.
FOR ANGLE COCKS, CUT-OUT COCKS, CHECK VALVES, DRAIN COCKS, HOSE COUPLINGS, PRESSURE REDUCING VALVES, PIPE FITTINGS, RETAINING VALVES, SAFETY VALVES, STEAM VALVES, STEAM GOVERNOR VALVES, AND TRIP COCKS.
Claims use since 1901.

Ser. No. 449,352. PARA MANUFACTURING CO., INC., Newark, N. J. Filed Dec. 10, 1941.

PLASTEL

FOR SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT.
Claims use since Dec. 3, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 446,912. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed Sept. 9, 1941.

★ STAR-MO

FOR HIGH SPEED STEEL.
Claims use since Aug. 27, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 445,783. THE SCIENTIFIC OIL COMPOUNDING CO., Chicago, Ill. Filed July 30, 1941.

Q. B. OITICICA

The word "Oiticica" is disclaimed apart from the mark.
FOR COMPOUND OR COMPOSITION OF BODIED OITICICA OIL FOR USE IN PAINTS AND VARNISHES.
Claims use since Oct. 16, 1939.

Ser. No. 447,242. MICHIGAN CHROME & CHEMICAL CO., Detroit, Mich. Filed Sept. 22, 1941.

Micro Supreme

FOR COATING LACQUERS—NAMELY, LAYOUT DYES AND STOP-OFF LACQUERS, STOP-OFF LACQUER THINNERS.
Claims use since October, 1937.

Ser. No. 448,298. OLD COLONY PAINT & CHEMICAL CO., Los Angeles, Calif. Filed Oct. 31, 1941.

GUARDIAN

FOR PAINTS—NAMELY, WOOD OR CEMENT FLOOR PAINT, HOUSE PAINT, AND PAINT ENAMELS.
Claims use since Nov. 7, 1927.

Ser. No. 448,300. OLD COLONY PAINT & CHEMICAL CO., Los Angeles, Calif. Filed Oct. 31, 1941.

NACO

FOR AUTOMOTIVE PAINT FINISHES.
Claims use since Feb. 1, 1930.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 447,861. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Oct. 17, 1941.





PHILLIES

Applicant disclaims the wording "America's No. 1 Cigar" and "Extra Size" apart from the mark. The lining on the drawing is not intended as a limitation to any particular colors.
FOR CIGARS.
Claims use since Sept. 22, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 449,280. THE HUFFMAN MANUFACTURING COMPANY, Dayton, Ohio. Filed Dec. 8, 1941.



FOR BICYCLES AND STRUCTURAL PARTS THEREOF.
Claims use since Oct. 17, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 439,144. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1940.

HY

FOR ELECTRICAL CONNECTORS.
Claims use since January, 1938.

Ser. No. 439,145. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1940.

VARI

FOR ELECTRICAL CONNECTORS.
Claims use since January, 1935.

Ser. No. 445,698. PACKARD MANUFACTURING CORPORATION, Indianapolis, Ind. Filed July 28, 1941.

PLA-MOR

FOR REMOTE CONTROL COIN BOX FOR ELECTRICALLY ACTUATED PHONOGRAPH.
Claims use since Nov. 15, 1940.

Ser. No. 446,588. PHILADELPHIA ELECTRICAL AND MANUFACTURING COMPANY, Philadelphia, Pa. Filed Aug. 27, 1941.

PEMCO

FOR INTERIOR AND EXTERIOR COMMERCIAL AND INDUSTRIAL ELECTRICAL LIGHTING EQUIPMENT—NAMELY, STREET AND HIGHWAY LIGHTING EQUIPMENT, SUBSTATION LIGHTING EQUIPMENT, AND DUST-PROOF AND VAPOR-PROOF LIGHTING EQUIPMENT—NAMELY, EXTERIOR AND INTERIOR LIGHTING FIXTURES INCLUDING FITTINGS THEREFOR, FLUORESCENT LIGHTING FIXTURES INCLUDING FITTINGS THEREFOR, ELECTRICAL LANTERNS, ORNAMENTAL POLES OR STANDARDS FOR SUPPORTING ELECTRICAL UNITS INCLUDING CAST IRON AND STEEL STANDARDS, REFLECTORS, SOCKETS, SOCKET SPRINGS, RECEPTACLES, CUT OUTS, JUNCTION BOXES, BRACKET ARMS INCLUDING TROLLY BRACKETS, METAL, GLASS AND COMPOSITION GLOBES, METAL AND GLASS CANOPIES, PEDESTAL BASES, ANCHOR BASES FOR STANDARDS, ELECTRICAL STREET LIGHTING UNITS, SPUN COPPER CASINGS FOR STREET LIGHTING UNITS, MAST ARMS, LIGHTING RELAYS, SHOCK ABSORBERS FOR LIGHTING UNITS, SPREADER ARMS, MESSENGER CLAMPS, INSULATED LAMP HANGERS, SUSPENSION CLAMPS.

Claims use since Oct. 23, 1906.

Ser. No. 448,551. CENTURY LIGHTING, INC., New York, N. Y. Filed Nov. 12, 1941.

DRAMALITE

FOR ELECTRIC LIGHTING PROJECTORS AND ELECTRIC LIGHTING FIXTURES FOR STAGE, STORE, AND DISPLAY LIGHTING.

Claims use since Oct. 5, 1941.

Ser. No. 449,226. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed Dec. 6, 1941.

Copperspun

FOR ELECTRICAL MACHINES, PARTICULARLY INDUCTION MOTORS.

Claims use since Sept. 15, 1939.

Ser. No. 449,244. STROMBERG-CARLSON TELEPHONE MFG. CO., Rochester, N. Y. Filed Dec. 6, 1941.

The Autograph

FOR ASSEMBLED RADIO RECEIVING SETS AND PARTS THEREOF.

Claims use since Aug. 13, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 449,415. JOE A. FREDRIKSSON, San Francisco, Calif. Filed Dec. 12, 1941.

FINESSE

FOR GAME BOARD.

Claims use since Nov. 10, 1941.

Ser. No. 449,674. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

SCREEN TEST

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

Ser. No. 449,675. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

KNOTTY PEEK

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

Ser. No. 449,677. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

LOVE NEST

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

Ser. No. 449,678. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

MYSTIC EYE

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

Ser. No. 449,679. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

SLAP 'EM BACK

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

Ser. No. 449,680. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

SMACK 'EM BACK

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.

Claims use since Oct. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 444,731. DEERE & COMPANY, Moline, Ill. Filed June 21, 1941.

CHIS-L-POINT ECONOMY

The word "Chis-L-Point" is disclaimed apart from the mark. The drawing is lined for yellow.

FOR PLOW BOTTOMS.

Claims use since June 16, 1941.

Ser. No. 448,574. NATIONAL SILVER COMPANY, New York, N. Y. Filed Nov. 12, 1941.

Clear-Crystl

FOR PLATED AND UNPLATED TABLEWARE MADE OUT OF BASE METAL OR STAINLESS STEEL—NAMELY, SPOONS, KNIVES, AND FORKS, EXCLUDING, HOWEVER, SPOONS, KNIVES, AND FORKS, PLATED WITH SILVER OR OTHER PRECIOUS METALS.

Claims use since June 27, 1941.

Ser. No. 448,575. NATIONAL SILVER COMPANY, New York, N. Y. Filed Nov. 12, 1941.

TRANSPARO

FOR PLATED AND UNPLATED TABLEWARE MADE OUT OF BASE METAL OR STAINLESS STEEL—NAMELY, SPOONS, KNIVES, AND FORKS, EXCLUDING, HOWEVER, SPOONS, KNIVES, AND FORKS, PLATED WITH SILVER OR OTHER PRECIOUS METALS.

Claims use since Apr. 15, 1937.

Ser. No. 448,639. GRAND SPECIALTIES COMPANY, Chicago, Ill. Filed Nov. 14, 1941.

GRAND

FOR WORK RETAINING CLAMPS, PARTICULARLY C-CLAMPS.

Claims use since Oct. 17, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 439,745. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind. Filed Jan. 17, 1941.

PETINCO

FOR CHECK CONTROLLED FLOW PREDETERMINING STOP MECHANISM FOR FLUID DISPENSING APPARATUS.

Claims use since Aug. 29, 1940.

Ser. No. 447,040. KELLOGG COMPANY, Battle Creek, Mich. Filed Sept. 11, 1941.

Kellogg's

The trade-mark is a facsimile of the surname, in the possessive case, of Will K. Kellogg, founder of applicant and its predecessors in his handwriting.

FOR GLASS MEASURES.

Claims use since October, 1930.

Ser. No. 449,089. WORLD PARADE, INC., New York, N. Y. Filed Dec. 1, 1941.

International Forum

FOR MOTION PICTURE FILMS.

Claims use since Feb. 28, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 447,512. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Oct. 3, 1941. Under 10-year proviso.

Brewster

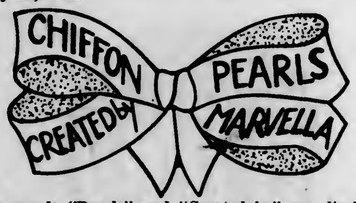
FOR CLOCKS.

Claims use since Dec. 1, 1844.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 443,900. RICHARD E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y. Filed May 24, 1941.



The words "Pearls" and "Created by" are disclaimed apart from the mark.

FOR JEWELRY AND PEARLS AND PEARL NECKLACES, FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.

Claims use since January, 1941.

Ser. No. 448,998. BOURJOIS, INC., New York, N. Y. Filed Nov. 28, 1941.

mais Oui

FOR JEWELRY CLIPS, EARRINGS, AND JEWELED HAIR ORNAMENTS.

Claims use since Sept. 13, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 444,262. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed June 6, 1941.

POREX

FOR ARTICLES MADE FROM METAL POWDERS—NAMELY, FILTERS, FILTERING MEDIA, FLUID DIFFUSERS, FLUID DIFFUSING MEDIA, AND LARGE AREA CATALYTIC REACTION SURFACES.

Claims use since Apr. 19, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 447,395. HOSKIN PAPER COMPANY, Menominee, Mich. Filed Sept. 29, 1941.

Del-Pak

The word "Pak" is disclaimed apart from the mark.

FOR DELICATESSEN PAPER FOR WRAPPING GROUND MEATS, FISH, BUTTER, LARD, FRUITS, CHEESE, AND OTHER MOIST FOODS.

Claims use since February, 1941.

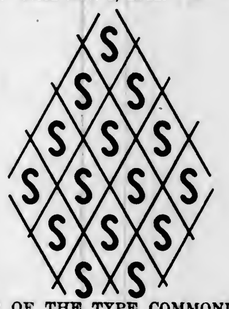
Ser. No. 448,165. PARSONS PAPER COMPANY, Holyoke, Mass. Filed Oct. 27, 1941.

HERITAGE

FOR LEDGER AND BOND PAPERS.

Claims use since June 30, 1937.

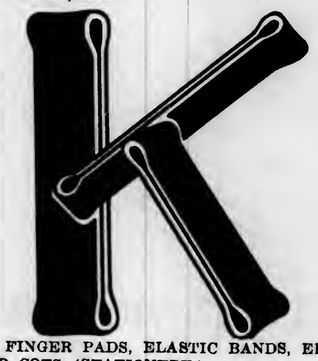
Ser. No. 448,486. THE STANDARD REGISTER COMPANY, Dayton, Ohio. Filed Nov. 8, 1941.



FOR PAPER OF THE TYPE COMMONLY KNOWN AS "SAFETY PAPER."

Claims use since May 6, 1941.

Ser. No. 448,909. KAY RUBBER COMPANY, New York, N. Y. Filed Nov. 25, 1941.



FOR FINGER PADS, ELASTIC BANDS, ERASERS, FINGER COTS (STATIONERY.)

Claims use since July 14, 1937.

Ser. No. 448,937. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Nov. 26, 1941.

"SAVEMETL"

FOR LEAD PENCILS.

Claims use since Nov. 14, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 423,916. FREDERICK A. KNOWLTON, Denver, Colo. Filed Sept. 25, 1939

KOSDEEL

FOR MERCHANDISE CERTIFICATES.

Claims use since Aug. 15, 1939.

Ser. No. 444,472. STOEGER ARMS CORPORATION, New York, N. Y. Filed June 12, 1941.

"The Shooter's Bible"

The word "Bible" is disclaimed.

FOR PUBLICATION EMBRACING MATTER PRINCIPALLY DESCRIPTIVE OF SMALL ARMS, AMMUNITION, COMPONENTS THEREFOR, AND SHOOTERS' ACCESSORIES PUBLISHED FROM TIME TO TIME.

Claims use since Sept. 10, 1938.

Ser. No. 447,772. UNITED PRESS ASSOCIATIONS, New York, N. Y. Filed Oct. 13, 1941.

PREDATE

FOR PERIODICALS PUBLISHED MONTHLY.

Claims use since Feb. 1, 1938.

Ser. No. 447,988. HALLEY STEWART, Las Vegas, Nev. Filed Oct. 21, 1941.

TELEVENT

FOR PERIODICAL PUBLICATION RELATING TO PREDICTION OF EVENTS.

Claims use since Sept. 25. 1941.

CLASS 39

CLOTHING

Ser. No. 437,083. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo. Filed Oct. 19, 1940.

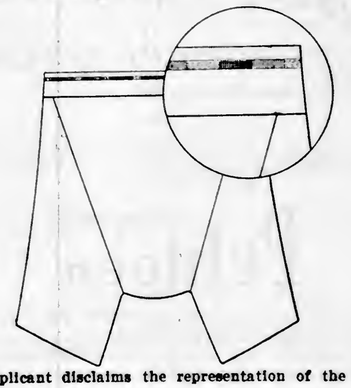


All wording except "Eze" is disclaimed apart from the mark.

FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.

Claims use since March, 1930.

Ser. No. 445,840. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Aug. 1, 1941.



Applicant disclaims the representation of the shorts.

The mark consists of a multicolored stripe composed of red, silver, and black applied to the waist band of the garment and located between the edges thereof.

FOR MEN'S AND BOYS' UNDERWEAR.

Claims use since Dec. 2, 1940.

Ser. No. 446,731. THE CAMPE CORPORATION, New York, N. Y. Filed Sept. 2, 1941.



FOR MEN'S UNION SUITS, PANTS, ATHLETIC SHIRTS, WOMEN'S UNION SUITS, VESTS, PANTIES, BLOOMERS, SHORTS, INFANTS' PANTIES, AND SHORTS.

Claims use since June 18, 1941.

Ser. No. 447,769. CORNELIUS STACK, New York, N. Y. Filed Oct. 13, 1941.

FINALIST

FOR MEN'S AND WOMEN'S HATS AND CAPS.

Claims use since Sept. 15, 1941.

Ser. No. 447,938. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 20, 1941.

FIELDCRAFT

FOR MEN'S FELT HATS, SPORTSWEAR—NAMELY, SLACKS, LEATHER JACKETS, CLOTH JACKETS, SPORT COATS, SPORT SHIRTS, AND SWEATERS, LOUNGING ROBES AND BATH ROBES.

Claims use since Dec. 15, 1935.

Ser. No. 448,069. XANA INC., New York, N. Y. Filed Oct. 23, 1941.

Xanette

FOR LADIES' BRASSIÈRES, CORSETS, NIGHTGOWNS, PAJAMAS, PANTIES, SLIPS, SHIRTWAISTS, AND BLOUSES.

Claims use since May 15, 1941.

Ser. No. 448,187. COLE OF CALIFORNIA, INC., Los Angeles, Calif. Filed Oct. 28, 1941.

Barbecue Fashions

Applicant disclaims the word "Fashions."

FOR WOMEN'S AND MISSES' APPAREL—NAMELY, BATHING SUITS, SWIMMING SUITS, DRESSES, PLAY-SUITS, SWEATERS, SLACKS, HATS, GLOVES OF FABRIC, LEATHER OR COMBINATIONS THEREOF, AND SHOES OF FABRIC, LEATHER, RUBBER OR OF COMBINATIONS THEREOF.

Claims use since Sept. 15, 1941.

Ser. No. 448,409. DALTON HAT COMPANY, Yonkers, N. Y. Filed Nov. 5, 1941.

MISSION TRAILS



FOR MEN'S HATS.
Claims use since Aug. 15, 1941.

Ser. No. 448,415. LANSBURGH & BRO., Washington, D. C. Filed Nov. 5, 1941.

Lancrest

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Aug. 15, 1941.

Ser. No. 448,418. SARAH FRANCIS MORGAN, Jamaica, N. Y. Filed Nov. 5, 1941.

Sara-Louise
ALL PURPOSE SUPPORTER

No claim is made to the phrase "All Purpose Supporter" apart from the mark.
FOR HOSE SUPPORTERS.
Claims use since Oct. 22, 1941.

Ser. No. 448,833. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Nov. 22, 1941.

RIBALETTE

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Oct. 22, 1941.

Ser. No. 448,858. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 24, 1941.

Caveman

FOR MEN'S SHORTS AND PAJAMAS.
Claims use since May, 1940.

Ser. No. 448,927. VANITY FAIR SILK MILLS, Reading, Pa. Filed Nov. 25, 1941.

Spunsters

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHT GOWNS, PAJAMAS, BED JACKETS, NIGHT CAPS, AND ROBES, AND HOSIERY.
Claims use since Nov. 5, 1941.

Ser. No. 448,988. SELECT SPORTSWEAR, INC., New York, N. Y. Filed Nov. 27, 1941.

Dean's List

FOR LADIES' AND MISSES' KNITTED SPORT SWEATERS AND TWO PIECE KNITTED DRESSES.
Claims use since Oct. 22, 1941.

Ser. No. 448,999. BOURJOIS, INC., New York, N. Y. Filed Nov. 28, 1941.

mais Oui

FOR HANDKERCHIEFS AND EVENING HEADDRESSES.
Claims use since Sept. 13, 1940.

Ser. No. 449,199. ARONOFF, RICHLING & FEIN, New York, N. Y. Filed Dec. 5, 1941.

Original
Petiteen

The word "Original" is only claimed when used in association with the mark "Petiteen."
FOR LADIES' AND CHILDREN'S DRESSES.
Claims use since Nov. 1, 1941.

Ser. No. 449,286. MARLBORO SHIRT CO., INC., Baltimore, Md. Filed Dec. 8, 1941.

GAMEGAB

FOR DRESS AND SPORT SHIRTS, JACKETS, AND COATS FOR MEN AND BOYS.
Claims use since August, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 449,023. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Nov. 28, 1941.

COMBAT

FOR SILK, RAYON, AND COTTON PIECE GOODS AND COMBINATIONS THEREOF.
Claims use since Nov. 5, 1941.

Ser. No. 449,035. M. STANLEY BROWN, New York, N. Y. Filed Nov. 29, 1941.

CIRFA

FOR COTTON TEXTILE PRINTS IN THE PIECE.
Claims use since Nov. 15, 1940.

Ser. No. 449,039. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 29, 1941.

VITAMIN PRINTS

Applicant disclaims the word "Prints."
FOR COTTON, RAYON, ACETATE AND/OR SILK PIECE GOODS, AND COMBINATIONS THEREOF.
Claims use since Oct. 3, 1941.

Ser. No. 449,051. JOSEPH MICHALOVER, INC., New York, N. Y. Filed Nov. 29, 1941.

"EVENING MIST"

FOR PIECE GOODS IN SILK AND RAYON OR COMBINATIONS THEREOF.
Claims use since Oct. 21, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 445,284. CASCO PRODUCTS CORPORATION, doing business as Fortune Appliance Company, Bridgeport, Conn. Filed July 12, 1941.

FORTUNE

FOR ELECTRICALLY HEATED PADS FOR THERAPEUTIC USE.
Claims use since July, 1940.

Ser. No. 445,461. EMERALITE COMPANY, INC., New York, N. Y. Filed July 18, 1941.

Thermolite

FOR THERAPEUTIC ELECTRIC LAMPS.
Claims use since June 1, 1915.

Ser. No. 448,964. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Nov. 27, 1941.

FORMX

FOR SYNTHETIC RESIN DENTURE BASE MATERIALS.
Claims use since Aug. 13, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 446,501. KO-VA CORPORATION, Chicago, Ill. Filed Aug. 23, 1941.

B & D

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 5, 1941.

Ser. No. 448,761. KAI HANSEN, doing business as Ko-Ro Company, Chicago, Ill. Filed Nov. 19, 1941.

Ko-Ro

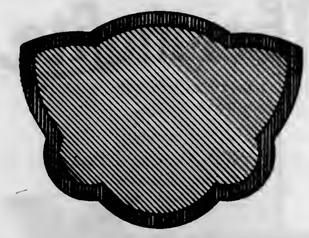
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME.
Claims use since Oct. 10, 1941.

Ser. No. 448,848. BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Nov. 24, 1941.

Meadow Gold

FOR ORANGEADE.
Claims use since Nov. 3, 1941.

Ser. No. 449,019. RED SEAL BEVERAGE CO., also doing business as Zip Co., Chicago, Ill. Filed Nov. 28, 1941.



The drawing is lined for red and green.
FOR MALTLESS, CARBONATED BEVERAGES COMMONLY KNOWN AS SOFT DRINKS.
Claims use since June 1, 1935.

Ser. No. 449,224. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Dec. 6, 1941.

TROP-O

FOR ORANGE SODA BEVERAGE.
Claims use since Nov. 28, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 438,227. WALNUT GROVE PRODUCTS COMPANY, Atlantic, Iowa. Filed Nov. 25, 1940.

WALNUT GROVE

FOR MINERALS USED AS A FEED SUPPLEMENT FOR HOGS.
Claims use since May 28, 1920.

Ser. No. 438,734. GUSTO PRODUCTS, INCORPORATED, New Haven, Conn. Filed Dec. 11, 1940.

GUSTO

FOR NUTS, SPICES, AND CANDY IN PACKETS.
Claims use since October, 1937.

Ser. No. 446,764. THE TRINIDAD CREAMERY CO., Trinidad, Colo., Clovis and Albuquerque, N. Mex., Tucson, Ariz., El Paso, Tex., and Los Angeles, Calif. Filed Sept. 3, 1941.

COLORADO GOLD

The term "Colorado" is disclaimed apart from the mark.
FOR CREAMERY BUTTER.
Claims use since Jan. 1, 1923.

Ser. No. 448,074. THE COLORADO MILLING & ELEVATOR CO., doing business as Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Filed Oct. 24, 1941.



FOR WHEAT FLOUR.
Claims use since July 1, 1920.

Ser. No. 448,468. JOSEPH LOCKWOOD BROWN, Columbia, S. C. Filed Nov. 8, 1941.

Wineburger

FOR ALL KINDS OF SANDWICHES, SUCH AS MEAT SANDWICHES, EGG SANDWICHES, CHEESE SANDWICHES, AND SANDWICHES MADE FROM MEAT MIXTURES, IN COMBINATION WITH VARIOUS KINDS OF BREAD.
Claims use since Oct. 18, 1941.

Ser. No. 448,801. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Nov. 21, 1941.

OATELS

FOR PREPARED BREAKFAST CEREAL.
Claims use since Oct. 15, 1941.

Ser. No. 448,802. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Nov. 21, 1941.

OATLUM

FOR ROLLED OATS.
Claims use since Oct. 20, 1941.

Ser. No. 448,878. SOUTHERN STATES MARKETING COOPERATIVE, INCORPORATED, Richmond, Va. Filed Nov. 24, 1941.

DIXIE-BREAKFAST

FOR EGGS.
Claims use since Nov. 6, 1941.

Ser. No. 449,130. CUDAHY BROTHERS CO., Cudahy, Wis. Filed Dec. 3, 1941.

Granoro

FOR REFINED EDIBLE VEGETABLE OILS.
Claims use since Nov. 13, 1941.

CLASS 47

WINES

Ser. No. 447,981. HENRY KELLY IMPORTING & DISTRIBUTING CO. INC., New York, N. Y. Filed Oct. 21, 1941.

VERDAN

FOR VERMOUTH.
Claims use since October, 1940.

Ser. No. 448,463. SOUTHARD & CO. LIMITED, London, England. Filed Nov. 7, 1941.

IMPERIUM

FOR WINE.
Claims use since 1925.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 448,954. PILSER BREWING CO., INC., New York, N. Y. Filed Nov. 26, 1941.

Champre'

FOR BEER.
Claims use since Nov. 1, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 439,100. GALLAGHER & BURTON, INC., Philadelphia, Pa. Filed Dec. 23, 1940.



Applicant disclaims the words "Private Stock" separately from the mark. The word "Kerrigan" is the surname of J. P. Kerrigan, president of applicant, whose portrait and signature are shown. The drawing is lined for deep red and gold. The representation of a label per se is disclaimed.
FOR WHISKEY.
Claims use since May 1, 1940.

Ser. No. 448,429. GLENMORE DISTILLERIES CO., Owensboro, Ky. Filed Nov. 6, 1941.

BLACK THORN

FOR WHISKEY.
Claims use since Oct. 6, 1941.

Ser. No. 448,430. GLENMORE DISTILLERIES CO., Owensboro, Ky. Filed Nov. 6, 1941.

CABIN BROOK

FOR WHISKEY.
Claims use since Oct. 2, 1941.

Ser. No. 448,598. BROOKSIDE DISTILLING PRODUCTS CORP., Scranton, Pa. Filed Nov. 13, 1941.



FOR WHISKEY AND GIN.
Claims use since Dec. 5, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 445,779. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed July 30, 1941.

COLOR MASTER

The word "Color" is disclaimed apart from the mark.

FOR DISPLAY DEVICES FOR DISPLAYING OF INTERIORS AND EXTERIORS OF HOUSES IN MINIATURE FOR THE PURPOSE OF EVALUATING THE RELATIVE MERITS OF DIFFERENT COLOR COMBINATIONS.

Claims use since May 16, 1941.

Ser. No. 447,652. ASHER & BOBETZ, INC., New York, N. Y. Filed Oct. 10, 1941.

TRAILEATHER

No claim is made to the word "Leather" apart from the mark.

FOR IMITATION LEATHER.

Claims use since Sept. 10, 1941.

Ser. No. 448,254. JOSEPH M. GORDON, New York, N. Y. Filed Oct. 30, 1941.

METEX

FOR PLASTIC COMPOSITION IN SHEET FORM.

Claims use since July 25, 1941.

Ser. No. 448,817. CELLULOID CORPORATION, Newark, N. J., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Filed Nov. 22, 1941.

LUMA-SCREEN

No claim is made to the word "Screen" apart from the mark.

FOR PLASTIC SHEETS SUITABLE FOR TRANSMITTING AND/OR DIFFUSING LIGHT.

Claims use since Oct. 14, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 3, 1942

393,269. CALCINED GYPSUM PLASTER FOR MOLDING POTTERS' MOLDS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed November 16, 1939. Serial No. 425,716. PUBLISHED NOVEMBER 25, 1941. Class 12.

393,270. APRONS. LEDERER MANUFACTURING COMPANY, Detroit, Mich.
Filed March 6, 1940. Serial No. 429,267. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,271. GLUE BRUSHES. SOLO-HORTON BRUSH CO., INC., New York, N. Y.
Filed June 20, 1940. Serial No. 433,230. PUBLISHED NOVEMBER 25, 1941. Class 29.

393,272. ARTICLES FORMED FROM RUBBER BONDED TO METAL—TO WIT, RUBBER COVERED PUMP PARTS, INCLUDING CASE LINERS; EXPELLERS; IMPELLERS; ETC. THE GATES RUBBER COMPANY, Denver, Colo.
Filed January 7, 1941. Serial No. 439,462. PUBLISHED NOVEMBER 25, 1941. Class 23.

393,273. WORK GLOVES. WELLS LAMONT SMITH CORPORATION, Chicago, Ill.
Filed January 13, 1941. Serial No. 439,641. PUBLISHED JULY 22, 1941. Class 39.

393,274. PORCELAIN ELECTRICAL INSULATORS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed January 16, 1941. Serial No. 439,738. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,275. ADHESIVE TAPES AND ADHESIVE SHEETS. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed January 22, 1941. Serial No. 439,874. PUBLISHED NOVEMBER 25, 1941. Class 5.

393,276. MEN'S, LADIES', AND CHILDREN'S HOSIERY, UNDERWEAR, BATHING SUITS, PAJAMAS, MEN'S GARTERS. GEORGE BLANKSTEIN, doing business as George Blankstein Co., New York, N. Y.
Filed March 5, 1941. Serial No. 441,227. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,277. SANITARY MASKS, SANITARY MASK FILTER PADS, NASAL FILTERS, AND NASAL FILTER PADS. JOSEPH B. BIEDERMAN, Cincinnati, Ohio.
Filed March 17, 1941. Serial No. 441,600. PUBLISHED NOVEMBER 25, 1941. Class 44.

393,278. HOSIERY. ROMAN STRIPE MILLS, INC., New York, N. Y.
Filed March 22, 1941. Serial No. 441,833. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,279. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,934. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,280. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,935. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,281. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,936. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,282. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,937. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,283. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,938. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,284. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,940. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,285. ROUND AND FLAT WIRE RIBBON, AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,941. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,286. ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,944. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,287. ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,946. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,288. ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,947. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,289. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,948. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,290. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,949. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,291. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,951. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,292. ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed April 25, 1941. Serial No. 442,952. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,293. ELECTROMECHANICAL SOUND RECORDING AND REPRODUCING EQUIPMENT, PARTS AND ACCESSORIES FOR SUCH SOUND RECORDING AND REPRODUCING EQUIPMENT, SOUND RECORDS FOR PHONOGRAPH USE, AND SOUND TRANSCRIPTIONS FOR RADIO, WIRED RADIO, OR WIRE BROADCASTING USE. WIRED RADIO, INC., New York, N. Y., assignor to Associated Music Publishers Inc., New York County, N. Y., a corporation of New York.
Filed May 10, 1941. Serial No. 443,471. PUBLISHED NOVEMBER 25, 1941. Class 36.

393,294. MEN'S PAJAMAS. THE ENRO SHIRT COMPANY, INC., Louisville, Ky.
Filed May 14, 1941. Serial No. 443,562. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,295. HOSIERY, GLOVES MADE OF FABRIC OR COMBINATIONS OF FABRIC AND LEATHER, AND LADIES' UNDERWEAR, GIRDLES, SLIPS, PAJAMAS, NIGHTGOWNS, BEDJACKETS, SWEATERS, AND SPORT SHIRTS AND JACKETS. JULIUS KAYSER & Co., New York, N. Y.
Filed May 20, 1941. Serial No. 443,723. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,296. MATTRESSES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 4, 1941. Serial No. 444,201. PUBLISHED NOVEMBER 25, 1941. Class 32.

393,297. BAND AND ORCHESTRA MUSICAL INSTRUMENTS — NAMELY, CORNETS, TRUMPETS, TROMBONES, HORNS, ETC. LYONS BAND INSTRUMENT COMPANY, Chicago, Ill.
Filed June 9, 1941. Serial No. 444,350. PUBLISHED NOVEMBER 25, 1941. Class 36.

393,298. PRECISION INSTRUMENT FOR MEASURING AND VISUALLY INDICATING LINEAR DIMENSIONS OF OBJECTS. GEORGE SCHERR COMPANY, New York, N. Y.
Filed June 10, 1941. Serial No. 444,391. PUBLISHED NOVEMBER 25, 1941. Class 26.

393,299. HEADBANDS FOR CONTROLLING PERSPIRATION, INTENDED PRIMARILY FOR USE IN INDUSTRIAL OCCUPATIONS. PULMOSAN SAFETY EQUIPMENT CORP., Brooklyn, N. Y.
Filed June 11, 1941. Serial No. 444,417. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,300. LADIES', MEN'S, AND BOYS' COATS, OVERCOATS, WINDBREAKERS, AND SWEATERS. VITO BAGNATO, Woodside, Long Island, N. Y.
Filed June 12, 1941. Serial No. 444,433. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,301. STRAW-LIKE RAYON YARN. THE HARTFORD RAYON CORPORATION, Rocky Hill, Conn.
Filed June 17, 1941. Serial No. 444,599. PUBLISHED NOVEMBER 11, 1941. Class 43.

393,302. RUBBER DOLLS. THE SUN RUBBER COMPANY, Barberton, Ohio.
Filed June 23, 1941. Serial No. 444,775. PUBLISHED NOVEMBER 25, 1941. Class 22.

393,303. INSULATED ELECTRICAL WIRE, CABLES, AND CORDS FOR RADIOS, AUTOMOBILES, AND APPLIANCES. AMERICAN ELECTRIC CABLE CO., Holyoke, Mass.
Filed July 31, 1941. Serial No. 445,786. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,304. PHONOGRAPH RECORD BLANKS. COLOGRAPHIC PROCESS CORPORATION, Chicago, Ill.
Filed August 4, 1941. Serial No. 445,920. PUBLISHED NOVEMBER 25, 1941. Class 36.

393,305. PREFABRICATED COMPARTMENTS CONSISTING OF A DOOR AND CABINET ASSEMBLED TOGETHER AS A UNIT READY TO BE MOUNTED IN A DOOR FRAME. EXPANDOR, INC., New York, N. Y.
Filed August 19, 1941. Serial No. 446,356. PUBLISHED NOVEMBER 25, 1941. Class 12.

393,306. MACHINES AND DEVICES FOR APPLYING INSECTICIDES, EITHER POWDER OR LIQUID, OR BOTH, TO VEGETATION. THE ROOT MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 20, 1941. Serial No. 446,400. PUBLISHED NOVEMBER 25, 1941. Class 23.

393,307. GASOLINE, KEROSENE, PETROLEUM DISTILLATES, MOTOR FUEL OIL, AND GREASES. CENTRAL PETROLEUM CORPORATION, Shelbyville, Ind., and Richmond, Ky.
Filed August 25, 1941. Serial No. 446,515. PUBLISHED NOVEMBER 25, 1941. Class 15.

393,308. TOOL HOLDERS WHICH ARE DEVICES USED ON PLANERS, CUTTERS, AND SIMILAR MACHINES, FOR HOLDING THE CUTTING BIT. LULOFF WILSON, doing business as L. Wilson Machine Works, Chicago, Ill.
Filed August 28, 1941. Serial No. 446,641. PUBLISHED NOVEMBER 25, 1941. Class 23.

393,309. PNEUMATIC RUBBER TIRES AND RUBBER INNER TUBES. S & M TIRE & AUTO SUPPLY CO., Minneapolis, Minn.
Filed September 2, 1941. Serial No. 446,745. PUBLISHED NOVEMBER 25, 1941. Class 35.

393,310. CARD GAME. ALBERT L. JOHNSON, Chicago, Ill.
Filed September 8, 1941. Serial No. 446,879. PUBLISHED NOVEMBER 25, 1941. Class 22.

393,311. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed September 8, 1941. Serial No. 446,894. PUBLISHED NOVEMBER 25, 1941. Class 44.

393,312. TWISTED RAYON YARN. FRASER MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 9, 1941. Serial No. 446,914. PUBLISHED NOVEMBER 18, 1941. Class 43.

393,313. MEN'S AND BOYS' PANTS AND OUTER SHIRTS. THOMSON COMPANY, Thomson, Ga.
Filed September 15, 1941. Serial No. 447,052. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,314. WOMEN'S, CHILDREN'S, AND MISSES' COATS, SKIRTS, DRESSES, SUITS, AND ENSEMBLES CONSISTING OF A DRESS AND COAT COMBINATION. MAX BAGEDONOW, doing business as Bagedonow Company, New York, N. Y.
Filed September 17, 1941. Serial No. 447,090. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,315. MEN'S AND BOYS' AND STUDENTS' SUITS AND COATS, SUIT AND SLACK ENSEMBLES, SPORT COATS AND SLACKS. JAXTON CLOTHES COMPANY, INC., New York, N. Y.
Filed September 18, 1941. Serial No. 447,138. PUBLISHED NOVEMBER 11, 1941. Class 39.

393,316. GLASS COFFEE MAKERS. HEAT RESISTANT GLASS CORP., New York, N. Y.
Filed September 19, 1941. Serial No. 447,185. PUBLISHED NOVEMBER 25, 1941. Class 13.

393,317. MEN'S AND WOMEN'S UNDERWEAR. BUTLER BROTHERS, Chicago, Ill.
Filed September 22, 1941. Serial No. 447,224. PUBLISHED NOVEMBER 25, 1941. Class 39.

393,318. GAME BOARDS OF THE TYPE IN WHICH THE GAME IS PLAYED WITH MOVABLE PIECES WHOSE MOVEMENTS AND POSITIONS ARE DETERMINED BY THE DRAWING OF CARDS. KARL SAKS, doing business as Karl Saks and Associates, Chicago, Ill.
Filed September 22, 1941. Serial No. 447,254. PUBLISHED NOVEMBER 25, 1941. Class 22.

393,319. LUBRICATING OIL. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif.
Filed September 23, 1941. Serial No. 447,276. PUBLISHED NOVEMBER 25, 1941. Class 15.

393,320. THREAD COATED WITH CELLULOSIC MATERIAL AND USED IN PACKAGING, WEAVING, AND FOR OTHER PURPOSES. FREYDBERG BROS., INC., Stamford, Conn., and New York, N. Y.
Filed September 27, 1941. Serial No. 447,370. PUBLISHED NOVEMBER 25, 1941. Class 43.

393,321. SAFETY RAZOR BLADES. H. B. LAYMON, doing business as World's Products Company, Spencer, Ind.
Filed September 29, 1941. Serial No. 447,399. PUBLISHED NOVEMBER 25, 1941. Class 23.

393,322. MILLING CUTTERS, REAMERS, END MILLS, METAL SLITTING SAWS, TWIST DRILLS, DRILL CHUCKS, MILLING CUTTER ARBORS, LATHE MANDRELS, TOOL HOLDERS, AND GEARED SUD PUMPS, ALL BEING MACHINES OR PARTS OF MACHINES, DRILLS (NOT BEING MACHINE DRILLS) AND REAMERS (HAND TOOLS.) THE BROOKE TOOL MANUFACTURING COMPANY LIMITED, Birmingham, England.
Filed October 3, 1941. Serial No. 447,505. PUBLISHED NOVEMBER 25, 1941. Class 23.

393,323. ELECTRIC WATER HEATERS. BABSON BROS. CO., Chicago, Ill.
Filed October 4, 1941. Serial No. 447,534. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,324. ROPE OF LONG VEGETABLE FIBRE. PLYMOUTH CORDAGE COMPANY, Plymouth and North Plymouth, Mass.
Filed October 8, 1941. Serial No. 447,615. PUBLISHED NOVEMBER 25, 1941. Class 7.

393,325. ELECTRICAL FOOD WARMING CABINETS. BLOOMFIELD MANUFACTURING CO., Chicago, Ill.
Filed October 9, 1941. Serial No. 447,628. PUBLISHED NOVEMBER 25, 1941. Class 21.

393,326. HAIR WAVE PADS. ELMER LIPMAN, doing business as Evans-Crowder Company, Detroit, Mich.
Filed October 13, 1941. Serial No. 447,746. PUBLISHED NOVEMBER 25, 1941. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

393,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. W. J. ROSS COMPANY, doing business as Los Alamitos Packing Co., Los Alamitos, Calif. Filed Sept. 6, 1938. Serial No. 410,308.

Nippy

FOR CANNED DOG AND CAT FOOD.
Claims use since Aug. 20, 1938.

393,328. (CLASS 15. OILS AND GREASES.) ERICKSON OIL COMPANY, Barron, Wis. Filed Oct. 25, 1939. Serial No. 424,870.

Erickson Gasoline

FOR GASOLINE.
Claims use since January, 1931.

393,329. (CLASS 32. FURNITURE AND UPHOLSTERY.) VERMONT FURNITURE MANUFACTURING COMPANY, INC., Winooski, Vt. Filed Nov. 30, 1939. Serial No. 426,111.

E Z Maid
PAIR-O-BEDS

FOR BEDS.
Claims use since Aug. 1, 1939.

393,330. (CLASS 39. CLOTHING.) BESTFORM FOUNDATIONS, INC., New York, N. Y. Filed Jan. 29, 1940. Serial No. 427,957.

BESTFORM
THE FOUNDATION OF AMERICAN BEAUTY

The words "Bestform" and "American Beauty" are disclaimed apart from the mark.
FOR BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since May, 1939.

393,331. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) GRAY METAL PRODUCTS, INC., Rochester, N. Y. Filed June 3, 1940. Serial No. 432,606.

Snap-Rite

FOR AIR CONDITIONING PIPE AND FITTINGS, AND WARM AIR FURNACE PIPE AND FITTINGS.
Claims use since Apr. 30, 1940.

393,332. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERMETICS, INC., Seattle, Wash. Filed Aug. 19, 1940. Serial No. 435,122.

Modern Toiletries for men

The words "Modern Toiletries for Men" are disclaimed apart from the mark.
FOR BODY POWDERS, SKIN CREAMS, SKIN LO-

TIONS, SHAMPOO, SCALP PREPARATIONS, HAIR DRESSINGS, SKIN OINTMENTS, ANTISEPTICS, AND PERFUMES.
Claims use since July 17, 1940.

393,333. (CLASS 39. CLOTHING.) LEIGHTON HATS, INC., New York, N. Y. Filed Oct. 25, 1940. Serial No. 437,282.

TISH-U-FUZZ

FOR LADIES' HATS.
Claims use since Oct. 4, 1940.

393,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Dec. 6, 1940. Serial No. 438,596.

OMNI-BETA

FOR ELIXIR OF VITAMIN B COMPLEX FOR USE AS A NUTRITIONAL AND THERAPEUTIC AGENT IN CASES OF VITAMIN B DEFICIENCY.
Claims use since Nov. 28, 1940.

393,335. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Dec. 10, 1940. Serial No. 438,690.

BOWLOMOCC

FOR BOOTS, SHOES, AND SLIPPERS CONSTRUCTED OF LEATHER, RUBBER, AND/OR FABRIC, OR ANY COMBINATIONS THEREOF.
Claims use since Dec. 3, 1940.

393,336. (CLASS 37. PAPER AND STATIONERY.) STATLER TISSUE CO., Somerville, Mass. Filed Jan. 28, 1941. Serial No. 440,065.

JUMBO-ROL

FOR PAPER TOWELS.
Claims use since November, 1940.

393,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSIAH M. RIPPLE, doing business as Acquick Ointment Co., Martinsburg, W. Va. Filed Feb. 21, 1941. Serial No. 440,898.

Acquick

FOR OINTMENT OR SALVE FOR THE TREATMENT OF ECZEMA AND OTHER SKIN IRRITATIONS.
Claims use since December, 1940.

393,338. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTTO KAUFMAN COMPANY, Chicago, Ill. Filed Mar. 14, 1941. Serial No. 441,542.

PEERLESS



FOR HAND TOOLS—NAMELY, HOES, FORKS, RAKES, WATER MIXERS, LAWN EDGERS, DANDELION WEEDERS, CULTIVATORS, AND COMBINATION CULTIVATORS AND WEEDERS, AND LAWN MOWERS.
Claims use since Sept. 13, 1938.

393,339. (CLASS 12. CONSTRUCTION MATERIALS.) DEER ISLAND GRANITE CORPORATION, Stonington, Maine. Filed Apr. 5, 1941. Serial No. 442,309.

DEER ISLAND

FOR FINISHED GRANITE FOR USE IN CONSTRUCTING BUILDING EXTERIORS, STORE FRONTS, BRIDGES, MAUSOLEUMS, MONUMENTS, AND ANALOGOUS PERMANENT STRUCTURES.
Claims use since Apr. 1, 1924.

393,340. (CLASS 12. CONSTRUCTION MATERIALS.) DEER ISLAND GRANITE CORPORATION, Stonington, Maine. Filed Apr. 5, 1941. Serial No. 442,310.

SHERWOOD

FOR FINISHED GRANITE FOR USE IN CONSTRUCTING BUILDING EXTERIORS, STORE FRONTS, BRIDGES, MAUSOLEUMS, MONUMENTS, AND ANALOGOUS PERMANENT STRUCTURES.
Claims use since Mar. 7, 1940.

393,341. (CLASS 12. CONSTRUCTION MATERIALS.) BLACK MILLWORK & LUMBER CO. INC., Midland Park, N. J. Filed Apr. 17, 1941. Serial No. 442,648.

UNI-VERSAL

FOR WINDOW UNITS, INCLUDING GLASS, FRAME, SASHES, AND WEATHER STRIP.
Claims use since Dec. 16, 1940.

393,342. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) CUSTOM-BILT PIPES, INC., Indianapolis, Ind. Filed May 26, 1941. Serial No. 443,920.

CUSTOMBILT

FOR PIPES, CIGARETTE HOLDERS, AND ASH TRAYS.
Claims use since January, 1935.

393,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AIR-CONDITIONED FABRICS CORPORATION, New York, N. Y. Filed Sept. 3, 1941. Serial No. 446,748.

Hygienized PROCESS

FOR CHEMICALS USED FOR PROCESSING, FINISHING, OR COATING TEXTILE FABRICS, PAPER, LEATHER, METAL, AND PLASTICS.
Claims use since Jan. 10, 1939.

393,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REA PRODUCTS COMPANY, Bath Township, Ohio. Filed Sept. 19, 1941. Serial No. 447,191.

"Koldpad"

FOR MEDICATED PADS FOR TREATMENT OF COLDS, HAY FEVER, AND SINUS.
Claims use since August, 1938.

393,345. (CLASS 39. CLOTHING.) COMMONWEALTH SHOE AND LEATHER CO., Whitman, Mass. Filed Oct. 17, 1941. Serial No. 447,874.

Cream'n Coffee

FOR MEN'S SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF THESE MATERIALS.
Claims use since Oct. 1, 1940.

393,346. (CLASS 39. CLOTHING.) THE SUPERB GLOVE CO., Johnstown and New York, N. Y. Filed Oct. 28, 1941. Serial No. 448,210.

"Truly Superb"

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since January, 1936.

393,347. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) THOMPSON PRODUCTS, INCORPORATED, Cleveland, Ohio. Filed Oct. 29, 1941. Serial No. 448,232.

Thompson

FOR KING BOLTS, AXLE BOLTS, SPRING BOLTS, AND TIE ROD BOLTS.
Claims use since Nov. 6, 1924.

REISSUES

FEBRUARY 3, 1942

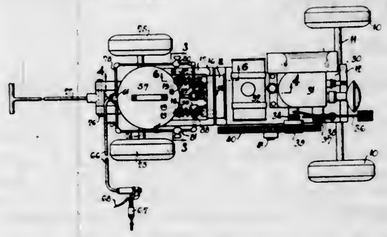
22,015

LUBRICATION APPARATUS

Wiley G. Brown, Charlotte, N. C., assignor to William Y. Brown and Robert H. Garland

Original No. 2,234,229, dated March 11, 1941, Serial No. 262,471, March 17, 1939. Application for reissue September 19, 1941, Serial No. 411,603

3 Claims. (Cl. 103—37)



1. Lubrication apparatus comprising a framework having a housing for containing a lubricant and having a pump cylinder disposed horizontally in the bottom portion of the housing, said cylinder having at least one perforation for establishing communication between the interior of the housing and the interior of the cylinder, a discharge conduit connected to one end of the cylinder, a second framework having a prime mover thereon, and having a reciprocating piston slidably mounted in the second frame and driven by the prime mover and extending into the cylinder, a pair of rods on one frame slidably penetrating portions of the other frame, spring means on the rods for forcing the two frames towards each other, pressure operated means disposed between the frames, and a piped connection between the discharge side of the pump cylinder and the pressure operated means for moving the two frames apart from each other against the pressure of the spring means as the pressure increases in the discharge end of the pump cylinder to thereby lessen the distance the piston travels in the pump cylinder.

22,016

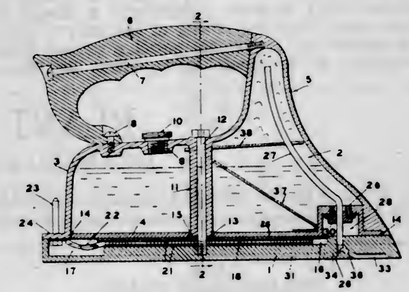
ELECTRIC STEAM IRON

Judson T. Edwards and Crewdson Edwards, St. Louis, Mo., assignors, by mesne assignments, to The Silex Company, Hartford, Conn.

Original No. 2,199,911, dated May 7, 1940, Serial No. 156,087, July 28, 1937. Application for reissue January 28, 1941, Serial No. 377,526

13 Claims. (Cl. 38—77)

10. In a pressing iron of the class described, a base member for performing the pressing operation, a liquid-containing reservoir associated with the base member, means for applying heat to the base member and for generating steam from the liquid in the reservoir, the bottom surface of the base member being provided with tapered grooves having straight walls diverging downwardly to said surface, and means for conducting steam from the reservoir to one end of each of the grooves, said means comprising steam conducting means joining an end of each groove and so associated with the grooves that said means will guide the steam into the grooves and to said



surface in a direction substantially the same as that in which the grooves extend.

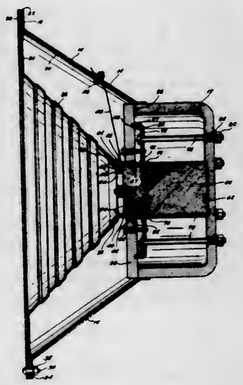
22,017

ACOUSTIC DEVICE

John Q. Gaubert, Yonkers, N. Y., and John D. Seabert, Collingswood, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original No. 1,991,738, dated February 19, 1935, Serial No. 506,676, January 5, 1931. Application for reissue September 11, 1936, Serial No. 100,316

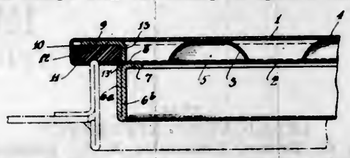
18 Claims. (Cl. 179—120)



1. A permanent field magnet in a dynamic acoustic device, comprising in combination, a field housing, a permanently magnetized center pole piece, an annular pole piece, a non-magnetic member for locating the annular pole piece with respect to the center pole piece, fastening means for securing the center pole piece in position, and means for securing the annular pole piece to the field housing through said locating member.

22,018
DOOR
Albert L. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original No. 1,990,909, dated February 12, 1935, Serial No. 715,822, March 16, 1934. Application for reissue February 4, 1937, Serial No. 124,144
11 Claims. (Cl. 114—201)

8. A door or hatch structure of the character described, including, in combination, spaced outside and inside panels and a marginal stiffening member, said member comprising a flange directed away from the center of the door or hatch and secured to the outside panel, a second flange extending at an angle to the first mentioned flange across and beyond the periphery of the inside panel, and a third flange carried by the second flange and extending in spaced relation



to the outside panel and extending substantially at a right angle from said second flange toward the center of the door or hatch, said third flange being secured to said inside panel.

PLANT PATENTS

GRANTED FEBRUARY 3, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

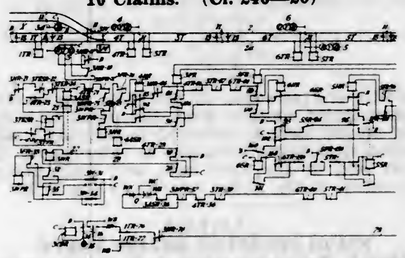
502
STRAWBERRY PLANT
Brooks D. Drain, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
Application September 14, 1940, Serial No. 356,850
1 Claim. (Cl. 47—62)

A healthy, prolific fruiting strawberry plant variety substantially as illustrated and described, characterized by subacid, well flavored fruits which are medium red throughout, and by the development of a large number of runner plants.

PATENTS

GRANTED FEBRUARY 3, 1942

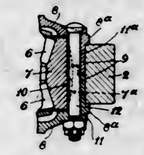
2,271,510
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 13, 1940, Serial No. 345,356
10 Claims. (Cl. 246—26)



1. Traffic controlling apparatus for a stretch of single track railway connected by a track switch at each of its ends with a double track portion, comprising in combination, a signal for each of said double track portions for governing traffic movements from the corresponding double track portion to said stretch of single track, a signal for each end of said stretch of single track for governing traffic movements from the corresponding end of said stretch of single track to the adjacent double track portion, a manual control device, means responsive to a given operation of said manual control device for operating each of said switches to a given extreme position and for clearing the signals for a given direction of traffic movements, means responsive to a second operation of said manual control device for operating each of said switches to the opposite extreme position and for clearing the signals for the opposite direction of traffic movements, and means responsive to a third operation of said manual control device following either said given or said second operation for cancelling the clear indication of one of the signals and retaining the clear indication of the other signal for the direction of traffic movements which corresponds to the lever operation next preceding said third operation.

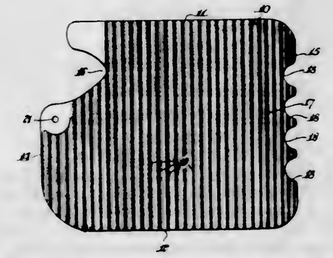
2,271,511
CRANKPIN BEARING
Eldred Herbert Doughty, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 2, 1941, Serial No. 372,771
In Great Britain January 17, 1940
6 Claims. (Cl. 308—72)

1. An eyed rod, a pin surrounded by the eye of the rod, a bearing member within the eye of the rod, the said bearing member having a spherical outer surface, side covers enclosing the bearing member, the said side covers together forming a spherical housing engaging the spherical surface of the bearing member, recesses in the bearing member, holes in the covers registering with the recesses in the bearing member and a plurality of bolts engaging the holes in the covers and the recesses in the bearing member, the said bolts holding the covers together and clamping them against the eye of the rod, and, at the same



time, loosely keying the bearing member to the housing, so that the bearing member is prevented from rotating relatively to the housing, but may rock relatively thereto in a transverse direction.

2,271,512
WASHBOARD
Warren P. Griffiths, Trenton, N. J.
Application August 10, 1940, Serial No. 352,109
2 Claims. (Cl. 68—220)

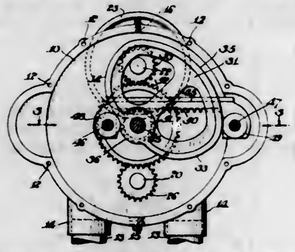


1. A hand washboard for support wholly by and within one hand of the user consisting of a plate having a pair of opposed parallel side edges and having a pair of opposed parallel terminal end portions to be spaced within the confines of the hand of the user, said plate being smooth and uninterrupted on one face thereof and provided on the other face thereof with washboard corrugations disposed between said end portions, said plate having the main portion thereof between said end portions substantially flat, one of said terminal end portions having a notch extending inwardly adjacent one of the side edges for engagement by the thumb of the user and the other of said terminal end portions having a plurality of indentations for respective engagement by the finger tips of the same hand of the user.

2,271,513
RECIPROCATING MECHANISM
Warren P. Griffiths, Trenton, N. J.
Application July 29, 1941, Serial No. 404,457
7 Claims. (Cl. 74—76)

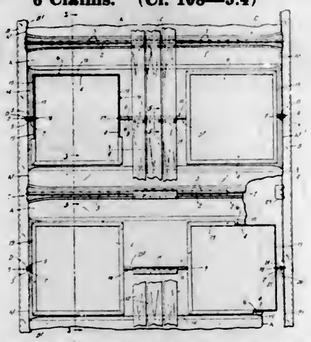
1. In a reciprocating mechanism, a continuously rotatable shaft, a cam member mounted on said shaft and driven thereby, a slidable member having a supporting and guiding portion on one side of said cam member and a rack portion on the other side of said cam member, spaced cam engaging members extending between said

portions for simultaneous engagement with opposed faces of said cam member for actuating



said slidable member, and a rack engaging member driven by said rack.

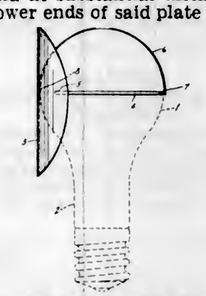
2,271,514
METAL CAR ROOF
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application March 27, 1941, Serial No. 385,413
6 Claims. (Cl. 108—5.4)



1. A car roof construction comprising side plates and a metal roof spanning from side plate to side plate and sustained thereby, said roof having spaced stiffening ribs that extend from side plate to side plate and having openings spaced apart crosswise of the roof between adjacent ribs, and metal hatch frames rigidly secured in said openings, said roof having other stiffening ribs that extend crosswise of the roof from hatch frame to hatch frame and are rigidly connected thereto, and other stiffening ribs that extend from each hatch frame to the side plate adjacent thereto and are rigidly secured to the respective hatch frames and side plates.

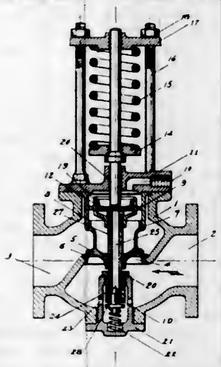
2,271,515
LIGHT SHADE
John Ulett, St. Louis, Mo.
Application September 9, 1940, Serial No. 355,923
4 Claims. (Cl. 240—138)

1. A shade for an electric light bulb comprising a plate having a uniform radius of curvature about a longitudinal axis parallel with the longitudinal axis of the bulb for which it is intended, a continuous narrow resilient and easily bendable metallic strip attached to said plate at substantial distances from its upper and lower ends and cooperating with said strip to form a continuous annulus arranged to fit around the light bulb and hold the central portion of said plate adjacent thereto while the ends of said plate extend substantial distances from said bulb, and an additional narrow resilient and easily bendable metallic strip having one end attached to the inner side of said plate between the ends of said first strip and at substantial distances from the upper and lower ends of said plate and having its



opposite end attached to said first named strip diametrically opposite from the point at which said second strip is attached to said plate, said second strip being arranged to extend over the outer end of the light bulb and limit inward movement of the shade relative to the bulb.

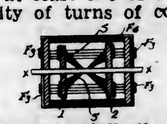
2,271,516
FLUID PRESSURE RELIEF VALVE
Arthur L. Tobin, Lynnfield, and James L. Kimball, Danvers, Mass., assignors to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application September 5, 1940, Serial No. 355,470
10 Claims. (Cl. 137—53)



1. In a valve structure comprising, in combination, a main valve operative on a predetermined first pressure to effect an opening proportional to a second pressure higher than the first pressure, fluid pressure motive means including a secondary valve in the inlet of the main valve and operated by the first named valve on a predetermined amount of opening thereof to accelerate the opening of the main valve at a rate greater than that due to said first named proportional opening and resilient means cooperating to close the secondary valve in advance of the closing of the main valve.

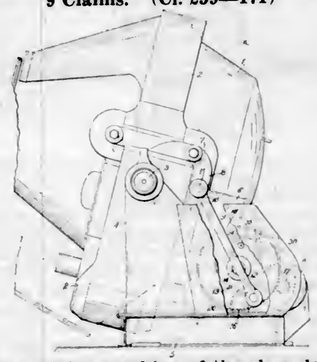
2,271,517
RADIOGONIOMETER
Christopher Sydney Cockerell, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1940, Serial No. 315,927
In Great Britain January 28, 1939
9 Claims. (Cl. 250—11)

1. A goniometer having a field coil and a rotatable search coil at least one of said coils comprising a plurality of turns of conductor, said



turns all being of substantially the same size and shape and having a common axis of symmetry perpendicular to the axis of rotation.

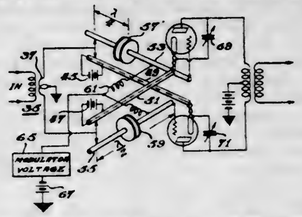
2,271,518
ELECTRIC TILTING DEVICE
Ferdinand H. Heine, Milwaukee, Wis., assignor to Koehring Company, a corporation of Milwaukee, Wis., a corporation
Application January 8, 1940, Serial No. 312,971
9 Claims. (Cl. 259—171)



1. In a mixing machine of the class described, in combination, a mixing unit, means supporting said unit for tilting movement between charging and discharging positions, and mechanism for effecting tilting movement of said unit comprising an actuating member having one end thereof connected to said unit, a crank connected to the other end of said member, an electric motor for rotating said crank to impart movement to said actuating member for effecting tilting movement of said mixing unit, an electric circuit connecting said motor to a suitable source of energy, a control switch in said circuit, a batchmeter operable upon charging of said mixing unit to actuate said control switch to open the circuit through said control switch and to close the circuit through said control switch after a predetermined period of time, a limit switch in said circuit, means operable as said unit approaches charging position to actuate said limit switch to open said circuit and stop further tilting movement of said mixing unit by said motor, said limit switch being normally operable to close said circuit after initial movement of said mixing unit from charging position, and a third switch operable upon actuation thereof to close the circuit to said motor after operation of said batchmeter to close the circuit through said control switch and while the circuit through said limit switch is open to effect initial movement of said mixing unit from charging position.

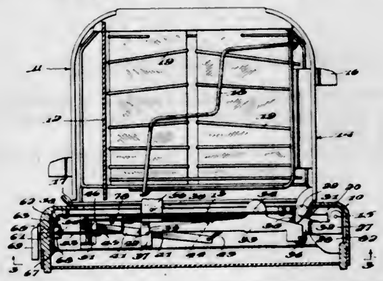
2,271,519
NEUTRALIZING SYSTEM
Lester J. Wolf, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 2, 1940, Serial No. 312,056
3 Claims. (Cl. 179—171.5)

1. In a radio frequency amplifier a pair of thermionic tubes having cathode, grid and anode electrodes; a source of radio frequency voltage having two output terminals; connections comprising low impedance paths for radio frequency currents from one of said terminals to the grid of one of said tubes and to the cathode of the other of said tubes; a capacitor in said connections for effectively isolating the grid of one of said tubes from the cathode of the other of said tubes for modulation frequency currents, other connections from the other of said terminals to the cathode of said one tube and to the grid of



said other tube, a capacitor in said other connections for effectively isolating the cathode of said one tube from the grid of said other tube for modulation frequency currents, the electrical length of said connections being equivalent to a half wave length at said radio frequency; a source of modulating voltage; means for applying said modulating voltage in like phase to an electrode in each of said tubes for varying the potential difference between each of said grids and its adjacent cathode in accordance with said modulating voltage; and an output circuit connected between said anode electrodes.

2,271,520
AUTOMATIC TOASTER
Alfred Strauss, Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company, a corporation of Delaware
Application December 13, 1939, Serial No. 309,084
5 Claims. (Cl. 219—19)



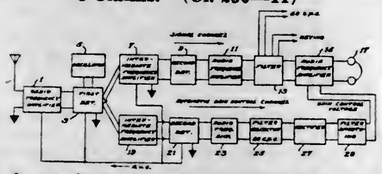
1. In a bread toaster, a toasting compartment, a toggle device of which one arm is a bi-metallic strip and the other arm is a pivoted member, a lever on which said member is pivoted, an adjustable spring acting on said lever in the proper direction to collapse said toggle device, means for operating said device by heating and cooling said strip, means for terminating a toasting operation by operation of said device responsive to cooling of said strip, and a second bi-metallic strip receiving heat from said compartment, said last mentioned strip interfitting with and initially pressing said lever in the same direction as said spring and being adapted to apply a decreasing force to the lever as the temperature of the toasting compartment increases.

2,271,521
BURIAL CONTAINER
George C. Meadows, Elgin, Ill.
Application March 4, 1940, Serial No. 322,046
2 Claims. (Cl. 27—17)



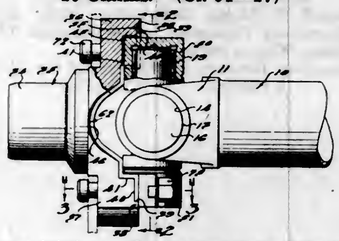
1. In a burial container comprising a receptacle member and a cover member therefor, said receptacle and cover members being made of a like composition of matter and having alignable interlockable peripheral portions of like construction, each provided with an endless recess having inwardly converging faces, a separate sealing and interlocking retainer composed of the same composition of matter as that of said receptacle and cover members, said sealing and interlocking retainer having oppositely tapered portions adapted to interfit said receptacle and cover recesses and being partially embedded and supported in the recess of one of said members, an adhesive mastic interposed between said sealing and interlocking retainer and the faces of its supporting recess to provide a water-seal therebetween, an adhesive mastic coating covering the protruding portion of said sealing and interlocking retainer and the adjacent portions of the peripheral face of the retainer-supporting member, a removable tape covering said mastic coating, a layer of an adhesive mastic coating covering the faces of the recess in the other of said members and the adjacent portions of the peripheral faces of said other member, and a removable tape covering said layer of adhesive mastic coating on said other member, said adhesive mastic coatings being of a like composition of matter and being adapted to unite to form a homogeneous sealing mass upon the removal of the protective tape coverings and the interlocking of the peripheral portions of the two container members with said sealing retainer.

2,271,522
RECEIVER FOR OMNIDIRECTIONAL BEACONS
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,648
5 Claims. (Cl. 250—11)



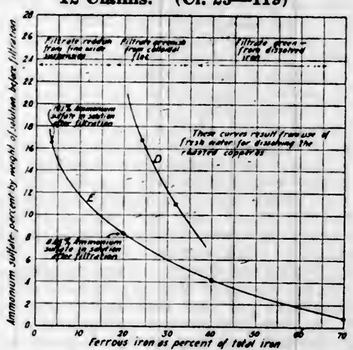
1. A receiver for an omnidirectional radio beacon of the type employing a rotating field including directional modulation signals, an omnidirectional carrier, keying reference signals and speech signals including a radio receiver for deriving from the beacon signals currents corresponding to the beacon directional modulation signals, to the keying signals, and to speech frequency signals, means, connected to said radio receiver and normally blocked to said keying signals, responsive to said speech frequency signals upon being unblocked, and means for deriving and for applying to said speech responsive means controlling currents from said beacon signals to unblock said speech responsive means to said speech frequency signals.

2,271,523
UNIVERSAL JOINT
George E. Dunn and Frank Ketcham, Dearborn, Mich., assignors to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application July 5, 1940, Serial No. 343,940
10 Claims. (Cl. 64—17)



1. In a joint, a yoke having diametrically opposed arms, a member having diametrically opposed trunnions, a bearing cup on each trunnion and having radial thrust engagement therewith for holding the trunnion against radially outward movement, a plate member having end portions engaging over the outer end face of the cups on the trunnions prior to and during assembly thereof with the yoke arms, means on the yoke arms for engaging the plate member to center the latter relative to the joint axis, and means for securing the bearing cups to the yoke arms.

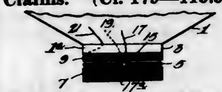
2,271,524
TREATMENT OF WASTE PICKLING LIQUORS
Leroy F. Marek, Lexington, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application April 15, 1940, Serial No. 329,643
12 Claims. (Cl. 23—119)



1. Process for the treatment of spent pickling liquor, which comprises maintaining a spent liquor containing sulfuric acid and ferrous sulfate at a temperature above about 150° F. and evaporating water therefrom, removing the precipitated ferrous sulfate, subjecting the said ferrous sulfate for a sufficient time to an oxygen-containing gas and water vapor while maintaining it at a temperature between 750° and 950° F. to oxidize the major proportion of the iron to the ferric state without appreciable loss of oxides of sulfur, subjecting the resulting oxidized roast to ammonia in the presence of water, to produce ammonium sulfate, and separating said ammonium sulfate from the reaction mixture as an aqueous solution substantially free from iron.

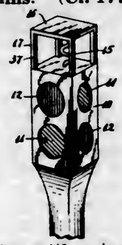
5. Process for the treatment of ferrous sulfate which comprises subjecting a ferrous sulfate having the formula $FeSO_4.XH_2O$ wherein X is less than 3, to a temperature between 750° and 950° F. in the presence of an oxygen-containing gas and water vapor, the water vapor being present in at least the proportion of about one pound thereof to each four pounds of said gas in dry form, continuing the treatment until the major proportion of the iron is oxidized to the ferric state and discontinuing the treatment before any substantial amount of oxides of sulfur are lost by volatilization.

2,271,525
LOUD-SPEAKER
John Dale Seabert, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,877
9 Claims. (Cl. 179—115.5)



1. In an electrodynamic sound translating device, the combination of a voice coil form having a compliance therein, and at least one conductive winding carried by said coil form on one side of said compliance, said winding having a lead crossing said compliance and said lead also having a compliance comprising a bend therein adjacent the compliance in said voice coil form.

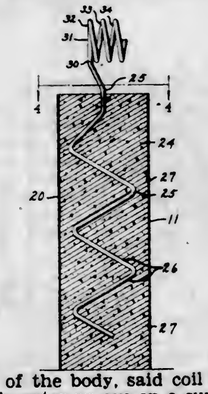
2,271,526
SAFETY TIMING TRAFFIC LIGHT
Eleanor McGuinness, Jackson Heights, N. Y.
Application October 2, 1940, Serial No. 359,354
10 Claims. (Cl. 177—337)



1. In combination with a traffic light having a green light control circuit and a red light control circuit, a tube for a signal fluid, a tank for storing a signal fluid, a signal fluid in said tank, a pump for pumping said signal fluid into said tube filling the tube from the bottom upwards and set into and out of operation by one of said circuits, a drain from the bottom of said tube to said tank, a valve closing said drain, and means for operating said valve controlled by the other of said circuits.

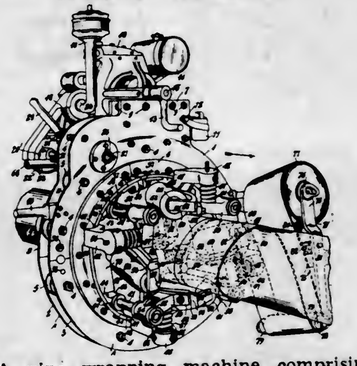
2,271,527
DUAL SASH WEIGHT
Cortez E. Peck, Dallas, Tex.
Application August 12, 1940, Serial No. 352,178
2 Claims. (Cl. 16—217)

1. A sash weight comprising a metallic container, a support rod extending downwardly within said container, and cementitious material filling said container and anchoring said rod therein, said support rod terminating at its upper end in a multiple turn helical coil proximate



the surface of the body, said coil being adapted to threadably enter an eye on a supporting member so that a plurality of turns of the coil pass through such eye and support the weight.

2,271,528
PIPE WRAPPING MACHINE
Anthony J. Pfohl, Lockland, and Charles M. Wood, Edgemont, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application August 2, 1940, Serial No. 349,776
11 Claims. (Cl. 242—11)

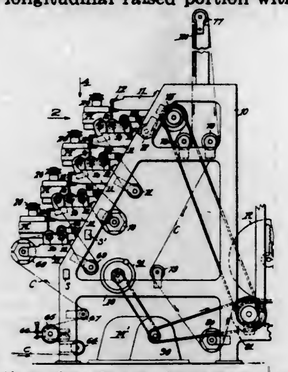


1. A pipe wrapping machine comprising a frame, a ring adapted to surround the pipe and rotatably mounted on the frame, traction rollers mounted on the ring and angularly disposed with respect to direction of travel, a reel of wrapping material supported on the ring in advance of the traction rollers, and a means on the frame for revolving the ring in such direction as to cause the traction rollers to move about the wrapped pipe.

2,271,529
LOOP CUTTING MACHINE
Leland F. Remington, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts
Application July 26, 1940, Serial No. 347,718
13 Claims. (Cl. 26—12)

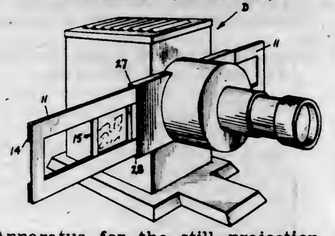
1. In a loop cutting machine, means to tem-

porarily raise transversely separated longitudinal portions of the cloth above the general plane of the cloth, and means to sever the warpwise loops in each longitudinal raised portion with the cut-



ting portion of each severing means moving substantially transversely to the longitudinal path of travel of the cloth during the severing of each loop.

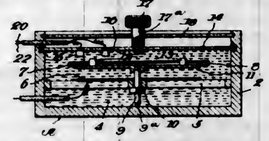
2,271,530
FILM HOLDER
George L. Wick, Youngstown, Ohio
Application March 12, 1940, Serial No. 323,559
7 Claims. (Cl. 88—26)



1. Apparatus for the still projection of individual frames of a motion picture film comprising in combination a slide adapted to fit within and be moved relative to complementary guides of an image projector, said slide having spaced parallel inwardly opening slots extending longitudinally therealong and substantially coextensive therewith, and a plurality of open ended supports slidably received in and between said slots with the open ends engaging the bottom walls of said slots, each of said supports having an opening therethrough of a size to fit one of the frames of the film and adapted to receive a film section of a length equal to the interval between said ends whereby said walls are operative to retain the film sections in said supports in their predetermined lengthwise position relative to said supports and said slide.

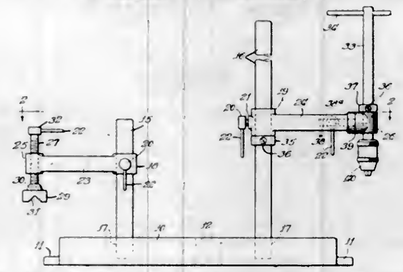
2,271,531
AIRCRAFT FLIGHT CONTROL
Edward E. Minor, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application September 13, 1939, Serial No. 294,768
5 Claims. (Cl. 201—57)

1. In a device of the type described, a casing containing an electrolytic fluid and having first and second electrodes mounted in the lower and upper portions thereof, respectively, a compass dial rotatably mounted and extending between said first and second electrodes, said compass dial comprising lower and upper sheets of current conductive and insulating materials, such sheets being of less diameter than said casing, respectively, and a third electrode on said sheet of con-



ductive material, the path between said third electrode means and said second electrode being unimpeded by said sheet of insulating material, said first and second electrodes being adapted for connection in a control circuit.

2,271,532
COMBINED WORK AND TOOL HOLDER
Charles T. Allmendinger, Chicago, Ill.
Application April 7, 1941, Serial No. 387,203
5 Claims. (Cl. 10—129)

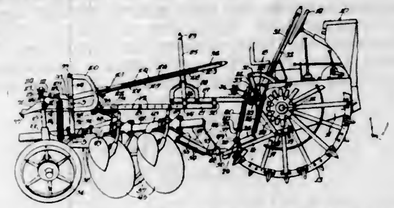


1. In a device of the class described embodying a work supporting bed plate and work engaging members carried by the bed plate, one of said work engaging members being for clamping the work to the bed plate and the other work engaging member being for operating upon the work, that improvement therein which comprises a post fixed perpendicular to said bed plate, an arm mounted for rotation about said post, a sleeve carried on the outer end of said arm, the axis of said sleeve being perpendicular to the axis of said arm, and the sleeve being rotatable on the axis of the arm, a tool holder rod passing slidably and rotatably through said sleeve whereby the tool holder rod may be operated on an axis perpendicular to the bed plate or horizontal to the bed plate or at angular positions varying therebetween, and means for adjustably fixing the rotative positions of said arm on said post and of the said sleeve on said arm.

2,271,533
TRACTOR PLOW
Herman E. Altgelt, South Bend, Ind., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Substituted for abandoned application Serial No. 292,883, filed August 31, 1939. This application July 26, 1940, Serial No. 347,783
15 Claims. (Cl. 97—47)

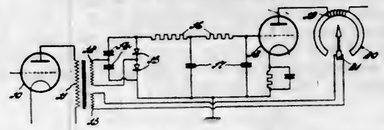
1. The combination with a tractor of an overhead beam type plow attached thereto, means for supporting one end of said beam on said tractor, a land wheel pivoted to said beam adjacent the rear end of said beam, a furrow wheel pivoted adjacent the rear end of said beam, a tierod connecting said wheels together, two longitudinally

extending members connecting said wheels with said tractor, and a lever having substantially ver-



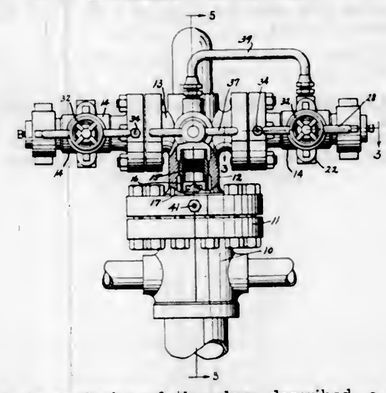
tically spaced apart pivots on the adjacent portions of said members for controlling the angularity of said wheels.

2,271,534
RADIO RECEIVER FOR DIRECTION FINDING OR COURSE INDICATING SYSTEMS
Christopher Edmund Gervase Bailey, Mitcham Junction, England, assignor to Radio Corporation of America, New York, N. Y.
Application January 29, 1938, Serial No. 187,635
In Great Britain February 11, 1937
4 Claims. (Cl. 250—11)



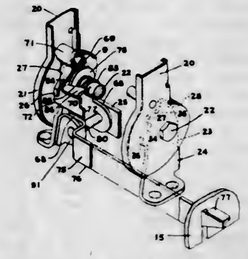
1. In a receiver for use in the reception of course-indicating signals which are characterized by having different periodic signals on opposite sides of said course, the combination which includes means responsive to said periodic signals for indicating a preponderance of one of said signals, said means comprising a meter having a field winding and a moving coil, means for deriving unipotential pulses having a predetermined time relation to said periodic signals, and means for applying said pulses to said field winding for controlling the sensitivity of said indicator.

2,271,535
WELL FLOWING DEVICE
Ernest L. Barker, Houston, Tex.
Application August 3, 1940, Serial No. 350,325
11 Claims. (Cl. 166—2)



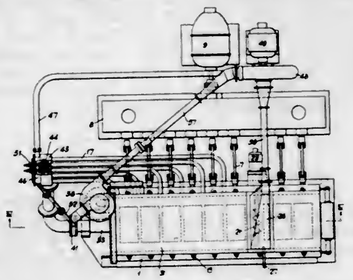
1. In a device of the class described, a flow pipe, an automatic cut-off valve responsive to fluid velocity in said pipe, manually operative means for effecting an increase in fluid velocity to close said valve, and additional manually operative means to equalize the pressure on the upstream and downstream sides of said valve to open the valve.

2,271,536
SUCTION CLEANER
Quentin Berg, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original application December 14, 1938, Serial No. 245,623, now Patent No. 2,218,161, dated October 15, 1940. Divided and this application January 19, 1940, Serial No. 314,593
7 Claims. (Cl. 306—13)



1. In a suction cleaner, a body, a handle pivoted on said body, cooperating handle control means mounted on said body and handle and comprising segment means, movably mounted detent means engageable with said segment means to hold said handle in different positions, a cam on said detent means, and means movable in a direction transverse to the movement of said handle for slidably engaging said cam for moving said detent means out of engagement with said segment means for free movement of said handle.

2,271,537
BRANNER
Florence C. Biggert, Jr., Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,481
19 Claims. (Cl. 51—23)



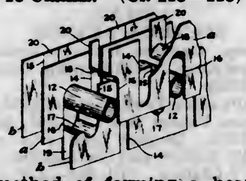
1. A branning machine comprising a pair of superimposed polishing rolls for polishing metal strip passing between them, means for supplying bran to the rolls, a housing enclosing the rolls, and means for maintaining air pressure in the housing less than that outside of it whereby the bran does not leak out of the housing and into the surrounding atmosphere.

2,271,538

HEAT EXCHANGE AND METHOD OF MAKING THE SAME

George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 25, 1938, Serial No. 204,016
13 Claims. (Cl. 113—118)



1. The method of forming a heat exchange element comprising, severing a plurality of geometrically shaped fins on substantially parallel lines of severance extending from the edge toward the geometrical center thereof, bending the material between the severance lines away from the body of the fins and reversely of the direction of the severance lines to form fins having slots extending to the edge thereof and lateral extensions at the base of the slots having reversely bent portions extending in a direction opposite that of the slots, supporting the fins in two groups with the fins of one group spaced laterally of those of the other group a distance substantially equal to the length of the lateral extensions and with the slots of each group facing those of the other group, supporting a fluid conduit between the groups in line with the slots, and applying the fins to the fluid conduit with the fins of each group interleaving with the fins of the opposite group by bringing the groups toward each other to force the slots over the fluid conduit, the lateral extensions into heat exchange relationship therewith, and the reversely bent portions of one group into the unfilled portions of the slots of the other group.

4. A heat exchanger comprising a conduit element, and a plurality of heat transfer elements attached to the exterior surface of said conduit, said heat transfer elements having slots for receiving said conduit element to a depth sufficient to cause said heat transfer elements to project from opposite sides of said conduit element, the slots in adjacent heat transfer elements extending in opposite directions, each of said heat transfer elements including an integral conduit contacting element extending in the direction of an adjacent heat transfer element, each of said conduit contacting elements being provided with an angularly extending tongue element engaging in open portion of the conduit receiving slot formed in an adjacent heat transfer element which extends beyond said conduit.

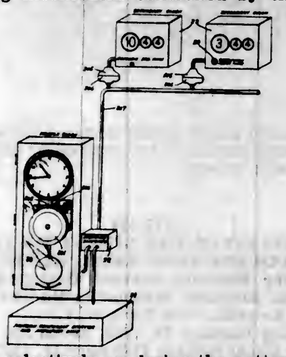
2,271,539

SECONDARY CLOCK SYSTEM

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 1, 1939, Serial No. 307,027
9 Claims. (Cl. 58—24)

3. A clock system with a master clock and one or more secondary clocks, with channels between the master and the secondary clock or clocks, including in combination, generating means including continuously movable pattern control source means for all of the different digits for generating the different trace controlling coordinate components required for controlling the tracing of the outline of each of all of the different digits which may be displayed by the secondary clock or clocks, each secondary clock including cathode ray tube means having character tracing and displaying means associated therewith and responsive to said generated electrical trace controlling coordinate components, switching mechanism controlled by the master



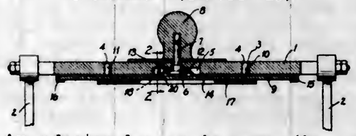
clock for selectively rendering the pattern control source means related to the time position of the master clock effective through said channels to control tracing of the related digit or digits by a cathode ray secondary clock or clocks whereby the secondary clock or clocks may display time related to master clock time.

2,271,540

MARKER DIE

Thaddeus J. Buckey, St. Louis, Mo.

Application April 14, 1941, Serial No. 388,391
8 Claims. (Cl. 164—19)



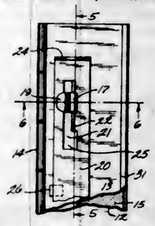
8. An adaptor for use in connection with a marking machine having connecting parts, comprising, a plate, members projecting upwardly from said plate for complemental engagement with the connecting parts of the marking machine, a slideway at each end of said plate arranged to removably receive a die plate, and means on said plate for locating a die plate with reference thereto.

2,271,541

CLAMP DEVICE FOR TROUSER CREASERS

Louis F. Clements, Denver, Colo., assignor to Lucie J. Furstenberg, trustee, Denver, Colo.

Application July 13, 1940, Serial No. 345,292
3 Claims. (Cl. 24—251)



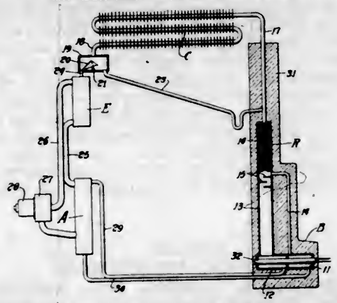
2. A trouser creaser for receiving and compressing one edge to a trouser leg, said means comprising two elongated jaws hinged along one edge, one of the jaws having a plurality of spaced openings, hooks on the other jaw for passing through the spaced openings when the jaws are moved to closed position, the jaw having the spaced openings having also a plurality of guide lugs projecting outwardly therefrom, an elongated clamping member having an elongated opening that registers with one of the spaced openings in the jaw, means for securing the clamping member to the jaw and for guiding it as it moves, said means comprising the guide lugs, some of which have laterally extending portions that overlap the clamping member, and means for urging the jaws towards each other, comprising a wedge element carried by the clamping member for engaging the corresponding hook.

2,271,542

RECTIFIER FOR REFRIGERATING SYSTEMS

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 8, 1936, Serial No. 94,935
25 Claims. (Cl. 62—119.5)



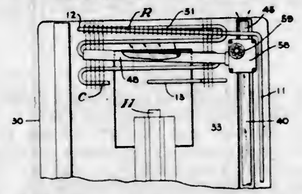
1. In an absorption refrigerating system, having a boiler system and a condenser, a reflux rectifier comprising a vessel adapted to receive refrigerant vapor and absorption liquid vapor from the boiler system, means for insulating said vessel and means for conveying a portion of the refrigerant condensed in the condenser to said vessel to aid in the removal of the absorption liquid vapor from the refrigerant vapor therein.

2,271,543

REFRIGERATION

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application October 10, 1938, Serial No. 234,164
13 Claims. (Cl. 62—5)



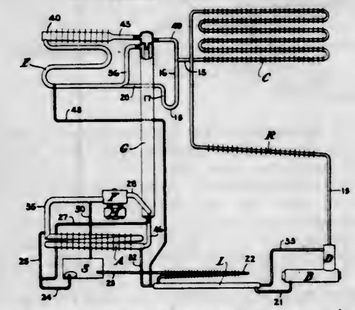
1. In an absorption refrigerating apparatus including a boiler, and an air-cooled rectifier, fuel burning means for heating the boiler, means for leading products of combustion into heat exchange relation with said air-cooled rectifier, and means for controlling the quantity of products of combustion being led into heat exchange relation with said rectifier.

2,271,544

REFRIGERATION

Curtis C. Coons, North Canton, and Stanley R. Cummings, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application February 5, 1940, Serial No. 317,386
25 Claims. (Cl. 62—119.5)



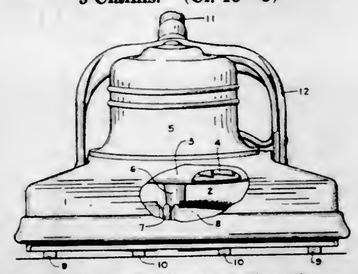
1. An absorption refrigerating apparatus comprising circuits for liquid and gaseous mediums, power operated means for circulating said mediums in said circuits, said power operated means comprising a motor fan unit with the motor rotor submerged in a lubricant displaceable by the liquid within said apparatus, said power means being positioned in a part of the gas circuit normally inaccessible to said liquid but subject to being flooded with said liquid during shipment or other handling operations, and means between the motor and fan for separating the motor rotor from the fan, said means including a reservoir so constructed as to hold the entire charge of lubricant regardless of the position in which the apparatus is placed.

2,271,545

SUCTION CLEANER

Stanley R. Cummings, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

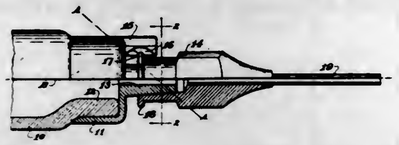
Application May 6, 1937, Serial No. 141,088
5 Claims. (Cl. 15—5)



1. A rotary agitator for a suction cleaner comprising a rotatable elongated, round smooth-surfaced body, rigid elongated and flexible agitating elements arranged in rows from common ends on said body, the advance element of each row which first contacts the surface covering undergoing cleaning in one direction of rotation being flexible to provide a resilient initial con-

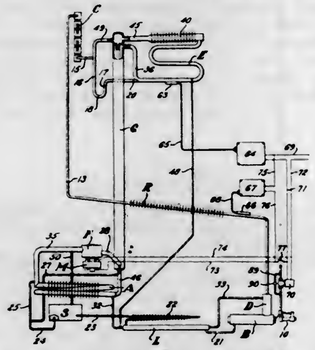
tact with the surface covering undergoing cleaning to displace said covering from said body, said rigid and flexible agitating elements being in helical alignment in each row.

2,271,546
HYPODERMIC SYRINGE
Logan Eisele, Nashville, Tenn.
Application April 24, 1939, Serial No. 269,591
2 Claims. (Cl. 128—215)



2. In a syringe, a tip for receiving a needle hub, a needle hub receivable upon said tip, retaining means for said needle hub comprising a retaining member spaced from and substantially parallel to said tip and having formed in one face thereof a depression of the form of the internal surface of a truncated cone, the axis of said depression being inclined to a plane normal to the axis of said tip, said depression being adapted to engage a portion of said needle hub.

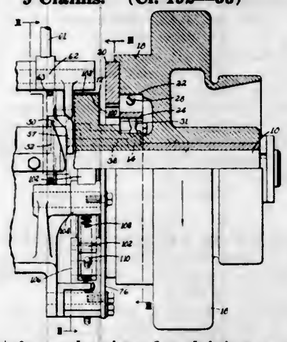
2,271,547
REFRIGERATION
Richard R. Fitzsimmons, Chicago, and George A. Brace, Winnetka, Ill., assignors to The Hoover Company, North Canton, Ohio
Application March 4, 1940, Serial No. 322,148
22 Claims. (Cl. 62—5)



1. An absorption refrigerating apparatus of the type having higher operating pressures than that prevailing therein during idle periods comprising a boiler, power operated means for circulating the mediums in the apparatus, said power means including a motor rotor separated from the remainder of the apparatus by a partition having a valved opening, means for simultaneously energizing the boiler and power means, and means for holding the valve in closed position until the pressures on opposite sides thereof have equalized.

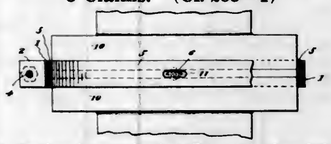
10. The method of operating absorption refrigerating apparatus of the type using a motor fan unit for circulating the mediums in the apparatus comprising energizing the apparatus, blocking the motor rotor against operation and utilizing a condition of the mediums within the system resulting from the energization of the apparatus for releasing the motor rotor.

2,271,548
CLUTCH
Joseph Gouldbourn and Frank Bycroft Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 8, 1940, Serial No. 317,860
In Great Britain February 27, 1939
9 Claims. (Cl. 192—53)



1. A clutch mechanism for driving a machine having, in combination, a friction clutch, a positive clutch including a movable strut, means for engaging the friction clutch to start the machine, means for causing disengagement of the friction clutch, means to move the strut into operative position to cause engagement of the positive clutch during said disengagement and while the machine is moving under momentum, and means acting thereafter to move said strut out of operative position to disengage the positive clutch.

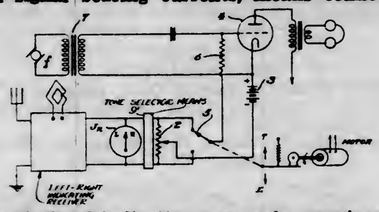
2,271,549
PIPE JOINT PROTECTOR
Adam Henderson, Houston, Tex., assignor to McEvoy Company, Houston, Tex., a corporation of Texas
Application August 15, 1940, Serial No. 352,715
3 Claims. (Cl. 285—1)



1. A device to protect a flanged pipe joint from corrosion, comprising a flexible band clamped around the adjacent pipe flanges and bridging the joint, said band having a yieldable lining forming a seal with both flanges and holding said band from contact with said flanges, the band also having means for filling the space between the said lining and the said flanges with plastic under pressure.

2,271,550
OPTICAL AND ACOUSTIC INDICATOR FOR DIRECTIONAL RECEIVERS
Paul Hermanspann and Rudolf Weber, Leipzig, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 12, 1939, Serial No. 250,486
In Germany November 12, 1935
4 Claims. (Cl. 250—11)

2. In a directional receiver, means for visually indicating departures from a course, a source of audio frequency currents, means for deriving from said source currents bearing complementary telegraphic signals, an amplifier responsive to said signal bearing currents, means connected



to said visual indicating means for varying the amplification of said amplifier as a function of said course departures so that the relative loudness of said complementary signals acoustically indicates said departures.

2,271,551
SUCTION CLEANER
Howard Earl Hoover, Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 28, 1938, Serial No. 242,714
24 Claims. (Cl. 15—6)

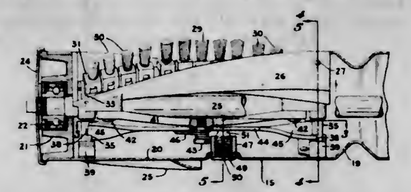


1. A rotary agitator for suction cleaners comprising a rotatable body formed with a brush seat and a removable brush unit positioned in said seat and comprising a rigid back and a plurality of axially spaced brush elements each of which includes a surface-contacting brush and a resilient flexible mounting means positioned between said brush and said back, said mounting means being unsupported on their sides to provide free flexibility for said brush.

24. In a suction cleaner, a body including a nozzle having lips, wheels movably supporting said body with said lips positioned at one height above a bare supporting surface and at a lesser height above a supporting surface covering, a rotary agitator in said nozzle including a rigid beater element and a flexible brush element, said beater element extended radially from the axis of rotation of said agitator into an orbit the lowermost point of which is above an unlifted supporting surface covering, said flexible beater element extended radially from the axis of rotation of said agitator into an orbit intersecting a bare supporting surface, means to rotate said agitator, and suction-creating means connected to said nozzle of sufficient power to lift a surface covering supporting said cleaner upwardly against the resisting force of said flexible brush element in agitator rotation and into the orbit of said rigid beater element.

2,271,552
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 17, 1939, Serial No. 284,822
20 Claims. (Cl. 15—182)

1. A rotary agitator for a suction cleaner or the like comprising a rotatable body, a brush seat in said body, a helically extending brush in said seat, means supporting said brush for translation in which each point therein moves in a straight parallel line with the center only moving radially relative to the axis of rotation, and means to adjust the brush on said supporting means with the center of said brush moving radially relative to the axis of rotation and the ends thereof in paths parallel thereto.

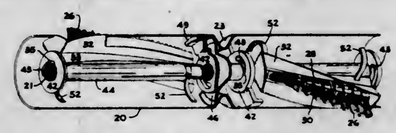


2,271,553
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 28, 1938, Serial No. 242,712
6 Claims. (Cl. 15—182)



1. A rotary agitator for a suction cleaner comprising a body rotatable about an axis, an elongated helically extending brush on said body the radial extremities of which are equidistant from said axis throughout the length thereof, and means mounting said brush for pivotal movement about an axis parallel to the axis of rotation of said body and under a force received from a surface undergoing cleaning.

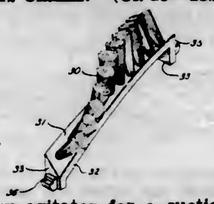
2,271,554
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 17, 1939, Serial No. 284,821
9 Claims. (Cl. 15—182)



1. A rotary agitator for a suction cleaner or the like comprising a rotatable body, a brush seat in said body extended helically about the axis of rotation and including substantially parallel side walls to guide a brush element upon insertion or removal and diverging side walls thereabove, a brush element including an elongated helical back and pivoted brush tufts, the diverging side walls defining an helically extending arc within which the brush tufts are adapted to pivot in use, and manually operable means to adjust said element radially relative to the axis of rotation.

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2,271,555
SUCTION CLEANER
Dale C. Gerber and Edward R. Swann, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 15, 1939, Serial No. 284,578
12 Claims. (Cl. 15—182)



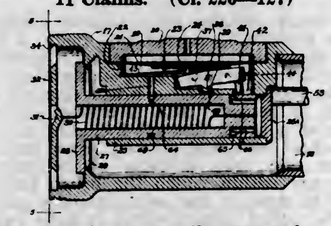
1. A rotary agitator for a suction cleaner or the like comprising a cylindrical body, a brush seat extended angularly across said body within the normal periphery thereof and formed with straight sides each of which lies in a plane which extends parallel to a dividing plane between said sides, a brush including a rigid back formed with straight parallel sides positioned in said seat, and means to retain said brush in place.

2,271,556
SUCTION CLEANER
Robert S. Boyle, Akron, Ohio, and Charles H. Taylor, Springfield, Mass., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 23, 1938, Serial No. 247,430
15 Claims. (Cl. 15—183)



1. In a rotary agitator for a suction cleaner, a part comprising a body including a helically extending brush seat, a part comprising a helically extending brush element in said seat, cooperating means to vary the radial extension of said brush element and comprising an angularly inclined support on one of said parts and a cooperating support on the other part, said supports being relatively adjustable longitudinally of said body and the position of said brush element in said seat being determined by the relationship of said supports, and means to secure said brush in said seat and the relative positions of said supports.

2,271,557
AUTOMATIC NOZZLE
Robert T. Killman and Thomas A. Killman, Nashville, Tenn.
Application April 12, 1939, Serial No. 267,400
11 Claims. (Cl. 226—127)



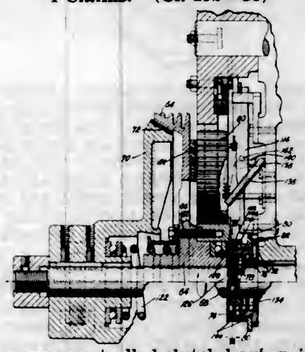
1. In a nozzle a normally open valve, vacuum operated means urging said valve to a closed position, means for latching said valve in its open position and means controlled by the level of liquid in a container being filled for unlatching said valve.

2,271,558
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 5, 1938, Serial No. 233,361
16 Claims. (Cl. 62—108.5)



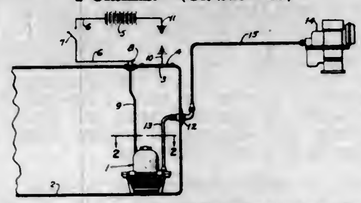
1. In combination, an ice cube tray, a grid assembly comprising longitudinal and cross grid members removably positioned therein, a cover for said tray secured to said grid assembly and force multiplying means carried by said longitudinal grid member cooperating with said cover for releasing ice cubes from said grid assembly.

2,271,559
CLUTCH
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application November 30, 1939, Serial No. 306,792
4 Claims. (Cl. 192—36)



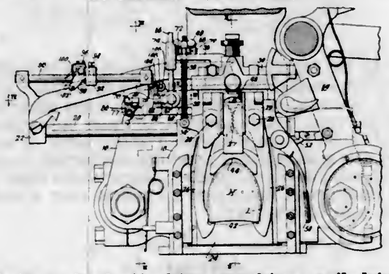
1. A power-controlled clutch having, in combination, a power-operated shaft, a driving member and a feed screw, both rotatable with the shaft, a driven member loose on the shaft and axially movable thereon into engagement with the driving member, a nut in engagement with the screw and arranged to rotate normally therewith, a friction member carried by the nut and normally rotatable therewith, controlled means to prevent rotation of the friction member thereby preventing rotation of the nut and causing it to travel along the screw to force the driven member axially along the shaft into driving engagement with the driving member, said friction member acting to cause a partial disconnection between the friction member and the nut when the nut has reached the end of its travel so as to permit slippage between the nut and the friction member while maintaining sufficient friction to keep the clutch members in engagement, and a spring acting to separate the driven member from the driving member when release of the controlled means permits rotation of said friction member and nut.

2,271,560
FUEL PUMP MOUNTING
Alfred C. Korte, St. Louis, and Kenneth Lannert, St. Johns Station, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Original application April 20, 1940, Serial No. 330,704, now Patent No. 2,260,946, dated October 28, 1941. Divided and this application March 18, 1941, Serial No. 383,922
4 Claims. (Cl. 248—15)



1. In a fuel pump, a casing having a plurality of horizontal bores, generally cylindrical resilient shear members having one end inserted in said bores and having their other ends projecting, split sleeve clamps surrounding said projecting ends, brackets for supporting said projecting ends, and screw threaded means for tightening said clamps and attaching said clamps to said brackets.

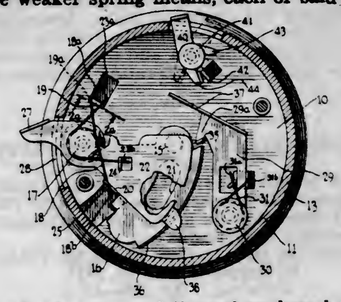
2,271,561
HEEL HOLDER FOR HEEL-ATTACHING MACHINES
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 17, 1940, Serial No. 335,728
22 Claims. (Cl. 1—32)



1. In a heel-attaching machine, nail-driving mechanism, mechanism for transferring nails to the driving mechanism, a holder having devices by which plural heel-sections are arranged for presentation one above another to the nailing mechanism for simultaneous attachment, one of said devices being provided with movable members between which a heel-section is grasped, and means movable under the influence of an element of the machine for separating the grasping members from each other.

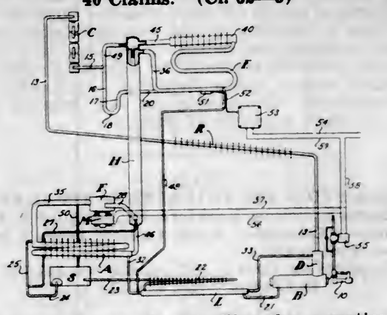
2,271,562
CAMERA SHUTTER
Richard K. Lotz, Brooklyn, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application January 24, 1940, Serial No. 315,291
14 Claims. (Cl. 95—60)

1. In a camera shutter of the character described, the combination of an apertured shutter plate, a pair of shutter blades rotatably mounted on said plate, spring means for normally urging one of said shutter blades to rotate in one direction, spring means for normally urging the other of said shutter blades to rotate in the opposite direction, one of said spring means being stronger than the other to normally urge both blades to rotate in the same direction against the action of the weaker spring means, each of said spring



means having one end thereof anchored to said shutter plate, means for preventing rotational movement of the shutter blade, urged in one direction by the weaker of said spring means, during a predetermined period of movement of the other of said blades, means for rendering said last named means ineffective when said other blade has traveled beyond said predetermined period of movement, and manually manipulatable means for rotating said other blade.

2,271,563
REFRIGERATION
Charles H. MacFarland, Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 5, 1940, Serial No. 317,389
40 Claims. (Cl. 62—5)

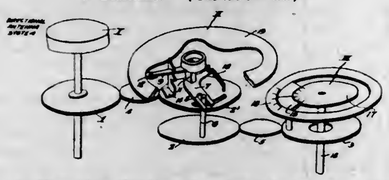


1. That process of controlling the operation of a continuous absorption refrigerating apparatus of the type using a pressure equalizing medium and having heating means for the boiler and power operated means for circulating the inert medium comprising simultaneously energizing the heating means and power operated means and applying a retarding influence to the operation of said power operated means.

11. An absorption refrigerating apparatus comprising a boiler, an evaporator and an absorber, conduits connecting said evaporator and absorber to form a circuit therebetween, conduits connecting said boiler and absorber to form a circuit therebetween, a heater for said boiler, power operated means in said first-mentioned circuit for circulating an inert pressure equalizing me-

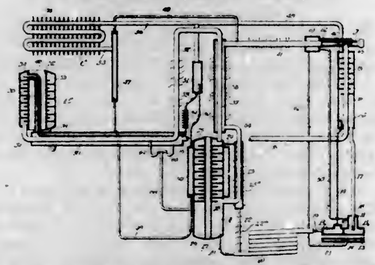
dium in its circuit, a conduit leading from said power operated means to said second-mentioned circuit, and being so arranged therewith as to circulate a solvent between the boiler and absorber, control means for said heater and power operated means, responsive to the demand for refrigeration, said power operated means comprising a motor fan unit in which the motor rotor is submerged in a lubricant which is solid at ordinary temperatures but fusible at higher temperatures and is present in such amounts that the circulation of the inert medium and solvent is delayed until the boiler is at an operating temperature.

2,271,564
COMPENSATED SCALE FOR INDICATING BEARINGS
Edmund Müllner, Berlin-Lichterfelde, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 11, 1938, Serial No. 218,667
In Germany July 17, 1937
4 Claims. (Cl. 250—11)



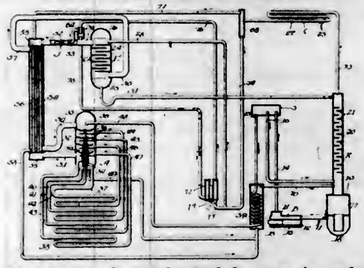
3. A direction finding receiver arrangement for use with a rotatable main frame antenna or goniometer inherently subject to bearing errors which are not uniform in opposite directions, comprising a direction finding scale having sets of marks thereon for indicating the transmitting direction and the opposite direction, a pair of relatively adjustable indicating means rotatable relative to said scales and cooperating with said sets of marks for indicating the opposite directions of pointing of said rotatable frame, and error compensating means cooperating with each of said indicating means for adjusting said indicating means independently of each other to automatically compensate for said bearing errors in each direction of pointing.

2,271,565
ABSORPTION REFRIGERATING APPARATUS
Rudolph S. Nelson, Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 2, 1931, Serial No. 527,146
25 Claims. (Cl. 62—119.5)



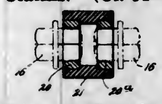
1. In a refrigerating system, a condenser, an absorber, an evaporator and an arrangement for conducting refrigerant from the condenser to the evaporator and for facilitating the removal of heat from the absorber, said arrangement comprising conduit means for conducting refrigerant from said condenser into heat exchange relation with said absorber to thereby cause a portion of said refrigerant to evaporate as it takes up heat from the absorber, a gas separating chamber located above the absorber, a plurality of vertically disposed small pipes connected to said conduit means and to said gas separating chamber for conducting the evaporated portion of said refrigerant to said chamber and adapted to operate as pumps for conveying the unevaporated portion of said liquid upwardly into said chamber as the evaporated portion passes therethrough, means for conducting the unevaporated portion of said refrigerant from said chamber to said evaporator and means for conducting the evaporated portion from said chamber back to said condenser.

2,271,566
ABSORPTION REFRIGERATING APPARATUS
Rudolph S. Nelson, Rockford, Ill., and Kurt V. Nesselmann, Berlin, Siemensstadt, Germany, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 13, 1931, Serial No. 529,616
8 Claims. (Cl. 62—119.5)



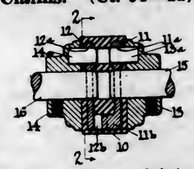
1. In an absorber adapted for use in refrigerating apparatus, the combination of a main vessel, a plurality of slightly cupped trays mounted in said vessel and adapted to hold absorption liquid, a baffle plate disposed above each of said trays and a plurality of conduits connected to said vessel, one above each baffle plate whereby absorption liquid may flow from a conduit over a baffle plate, and into a tray.

2,271,567
SHAFT COUPLING
Gordon L. Olson, Arlington, Mass.
Application April 11, 1939, Serial No. 267,212
3 Claims. (Cl. 64—11)



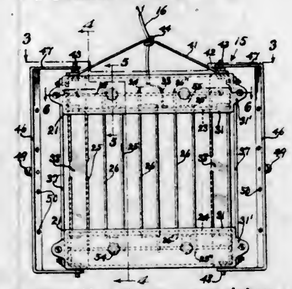
1. In a flexible coupling for interconnecting two substantially alined shafts, a pair of coupling members adapted to be secured to the shafts, a resilient housing provided with a bore therethrough, a rigid annular insert fixedly mounted in each end of the bore of said housing, said inserts having a multi-face aperture and said coupling members having each a correspondingly shaped axially extending portion projecting, axially movable, into said aperture, thus drivingly connecting the coupling members with their respective inserts, the faces forming the aperture of said annular inserts having each a convex contour relative to the axis of the bore so as to make substantially a line contact, with the axially extending portions of said coupling members, thus permitting a tilting adjustment of the coupling members relative to said housing, and means on said coupling members for limiting the axial movement of the same relatively to said housing.

2,271,568
RESILIENT TORQUE DEVICE
Gordon L. Olson, Arlington, Mass.
Application March 29, 1940, Serial No. 326,686
4 Claims. (Cl. 64—11)



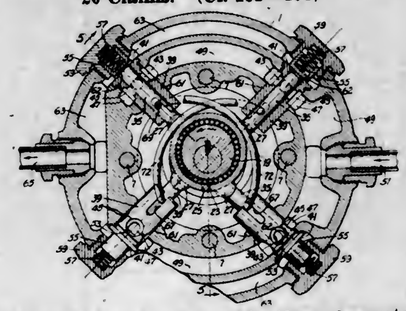
1. In combination with a driving and driven member, a slidable element adapted to be secured to the end portion of each of said driving and driven members, projections extending from each of said slidable elements, a member disposed between said slidable elements, said member embodying a resilient housing with opposed rigid members secured in said housing in a spaced-apart relation with projections extending from each of said rigid members and embedded in said housing, a central bore extending through said housing and adapted to receive said driving and driven members, together with openings in said housing adapted to receive the projections of said slidable elements.

2,271,569
ELECTROCUTING TRAP
Sam Palos, Argo, Ill.
Application January 10, 1940, Serial No. 313,225
4 Claims. (Cl. 43—98)



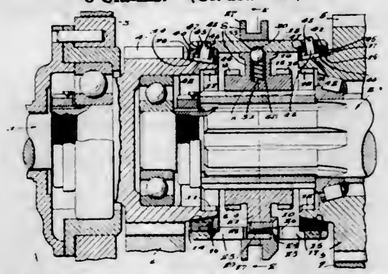
2. An electrocuting trap comprising a pair of spaced channel-shaped frame members each containing a bottom wall, a pair of side walls, a central rib extending from said bottom wall, and a ledge at the junction of the bottom wall and one of the side walls, all being of insulating material, a pair of oppositely charged terminal bars of conductive material mounted on said ledges, a plurality of spaced electrodes which have bent ends and are alternately connected to one of the terminal bars with one end and supported on an insulating rib with the other end, providing a grid structure, an electric conductor containing wires each having an end connected with one of said bars, and insulating material packed air-tight in the channels of the frame members, for securing the bars and the electrode ends waterproof in place therein.

2,271,570
PUMP
Harvey S. Pardee, Ravinia, Ill.
Application July 31, 1940, Serial No. 348,642
20 Claims. (Cl. 103—174)



14. In a pump, the combination of a rotary shaft carrying an eccentric, a sleeve rotatably mounted on said eccentric, a pair of opposed cylinders, said cylinders having slots in their proximate ends, a plunger working in each cylinder, each plunger having a spring seat which aligns with the slot in its cylinder, and a cylindrical slipper-seat in the end of the plunger, slippers, one for each plunger, each having a convex cylindrical journal surface which works in the slipper-seat of the corresponding plunger and a concave cylindrical bearing surface which engages said sleeve, means limiting movement of each slipper transverse to its plunger and parallel with the axis of the sleeve, and an arcuate spring having hooked end portions which project from the plane of such arc and extend through the slots in respective cylinders into engagement with the spring seats of respective plungers, said spring being sufficiently stressed in tension to maintain the plungers, slippers and sleeve in coactive thrust engagement.

2,271,571
SYNCHRONIZING CLUTCH
Carl D. Peterson, Toledo, Ohio
Application April 6, 1939, Serial No. 266,361
8 Claims. (Cl. 192—53)



1. A double synchronizing clutch member shiftable axially in opposite directions from neutral to establish drives through different gear ratios including an inner section having toothed clutch faces on opposite sides thereof for coacting with toothed clutch faces of members into engagement with which the shiftable member

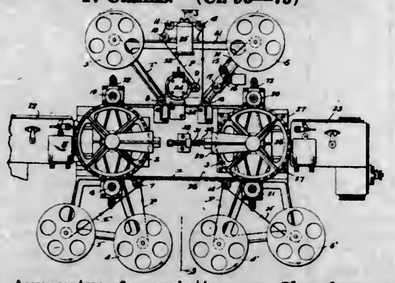
is operated, an outer friction section having friction faces for coacting with complemental friction faces of the members into engagement with which the shiftable member is operated, and means connected to the inner section for shifting it, the friction faces of the sleeve section being arranged to engage the friction faces of said members in advance of the engagement of the toothed faces, means for connecting the sections to transfer the axial shifting movement of the inner section to the outer section and for controlling the movement of the inner section relatively to the outer section when the speeds of the shiftable member and the member into which the outer friction face has been shifted have been synchronized through the friction section, and for blocking axial movement of the inner section and the outer section until the speeds are synchronized, said connecting and controlling means including cam parts coacting to permit such relative movement of the inner member with different actuating pressures applied to the inner section for the two ratios and with a minimum pressure for each ratio.

2,271,572

CINEMATOGRAPHIC PRINTING APPARATUS

Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application June 12, 1940, Serial No. 340,120
17 Claims. (Cl. 95—75)



1. Apparatus for printing on film from another film, comprising a belt having teeth fitting into sprocket holes in the films, means associated with the belt for stretching at least one of the films, means for seating one film against the belt and the other film against the first film, means for feeding the belt and films past a printing station, and means at said station for printing said film while said teeth hold the films in non-slip relationship.

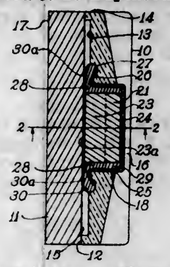
2,271,573

LIGHTNING PROTECTOR

Roy G. Sands, Waukegan, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 17, 1940, Serial No. 314,251
7 Claims. (Cl. 175—30)

1. A lightning protector comprising a refractory insulating block having an opening therein, a conductive electrode having a shank extending through the opening in said block and a head, means including a conductive terminal secured to said block and engaging the head of said electrode for clamping the head of said electrode in place on said block, and means including a fusible conductive element extending into the opening in said block and engaging the shank of said electrode and said terminal for positioning the shank of said electrode in the opening in said block, whereby the shank of said electrode and said element are disposed in good heat conducting relationship, th shank of said elctrode and said element being provided with substantially contiguous coplanar surfaces constituting a common arcing face adapted to be displaced by an arcing-



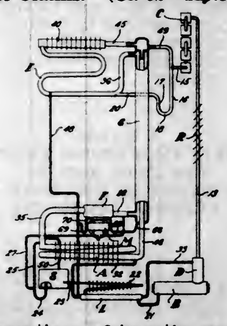
gap from an associated grounding conductor, said element being so constructed and arranged that upon fusing two multiple connections are established thereby between said terminal and the associated grounding conductor, one of said connections including said electrode and the other of said connections excluding said electrode.

2,271,574

REFRIGERATION

Wilmer H. Tucker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application February 9, 1940, Serial No. 318,012
19 Claims. (Cl. 62—119.5)



1. An absorption refrigerating apparatus including an evaporator and an absorber, conduits including a heat exchanger connecting the evaporator and absorber to form a closed circuit therebetween, said apparatus being charged with a refrigerant, an absorption solution having a corrosion inhibiter dissolved therein, and an inert pressure equalizing medium, said apparatus being characterized by the provision of a power unit for circulating the mediums in the apparatus, said power unit including a lubricant pocket containing a lubricant having a lower specific gravity than said refrigerant or absorption solution, and means for leading condensate from the heat exchanger to the power unit, said lubricant pocket being so constructed and arranged that the lubricant will float on the condensate and be elevated into said lubricant pocket.

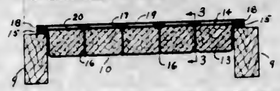
17. The method of lubricating the power unit of an absorption refrigerating apparatus of the type using a refrigerant and a non-distillable corrosion inhibitor dissolved in the absorption solution comprising, heating the refrigerant and absorption solution to vaporize a portion thereof, condensing a portion of the vaporized mediums to form condensate free of said inhibitor, trapping lubricant in a position to lubricate the moving parts of the power unit by said condensate, and maintaining the lubricant in the trapped position by a liquid head of said condensate.

2,271,575

STITCHED INSULATION BAT

Arthur E. Waterman, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin

Application June 10, 1940, Serial No. 339,637
3 Claims. (Cl. 154—44)



1. An insulating bat of the class described, comprising a felt mat and covering sheets positioned on opposite sides thereof, said covering sheets and mat being stitched together in spaced rows, narrow relatively thick sealing adhesive strips positioned on the exposed stitching on one side of the bat, a sheet of vapor seal covering positioned on said strips to thereby form dead air spaces on one side of said mat.

2,271,576

FEED MECHANISM FOR REPEATING FIREARMS

Frederic S. Wilcox, Springfield, Mass., assignor to Savage Arms Corporation, New York, N. Y., a corporation of Delaware

Application July 1, 1940, Serial No. 343,403
9 Claims. (Cl. 42—17)



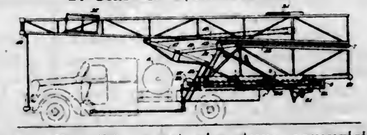
1. In a repeating firearm, the combination of a barrel, a tubular magazine therebelow with means therein for yieldingly urging cartridges rearwardly therefrom, a chambered receiver to the rear of the barrel and having in its bottom an aperture opening into its chamber, a magazine box in communication with the rear of the tubular magazine and extending upwardly into the receiver and forming an upright passage for conducting the cartridges upwardly in a sidewise arrangement into the chamber of the receiver, means adapted to provide an engagement between a part of a cartridge and an adjacent part of the gun for limiting forward movement of the cartridge until the cartridge is raised to a position partly in front of the breech bolt, a breech bolt movably mounted in said receiver, means for moving the breech bolt, a movable cartridge lifter mounted adjacent the magazine box with a portion adapted to move upwardly through the magazine box and with a portion adapted in raised position of the lifter to block the passage of cartridges from the tubular magazine onto the lifter in the magazine box, a movable stop means adapted to detain a cartridge part way through the magazine box, means operatively connecting the lifter and breech bolt for imparting a positive upward movement to the lifter on rearward movement of the breech bolt thereby moving the cartridge on said lifter past said movable stop means, means adapted to hold the lifter with a cartridge thereon in the upper part of the magazine box, means operatively connecting the lifter and the breech bolt on forward movement of the breech bolt for depressing the lifter out of cartridge-blocking position relative to the tubular magazine to permit a cartridge to come from said magazine onto the lifter, a downwardly extending and forwardly facing stop step on the bottom of the breech bolt spaced back from the front end thereof at a point on the breech bolt which is substantially ahead of the rear end of the magazine box when the breech bolt is in forward position, so that if the breech bolt fails to go back far enough to allow a new cartridge to move up partly in front of the breech bolt, the next forward movement of the breech bolt will bring said stop step into engagement with the rear end of said cartridge and, said means for limiting the forward movement of the cartridge preventing more than slight forward movement of the cartridge, said cartridge by its engagement with said stop step will arrest further forward movement of the breech bolt and thereby prevent the lifter from being depressed and so will prevent the entrance over the lifter of an additional cartridge.

2,271,577

COLLAPSIBLE MAST

Homer J. Woolslayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application August 22, 1941, Serial No. 407,922
17 Claims. (Cl. 189—15)



1. A collapsible mast structure comprising a support, a mast hinged between its top and bottom to form upper and lower sections folded upon themselves in substantially horizontal position with the lower section resting on said support, means pivotally and slidably connecting said bottom to the support, means for sliding said bottom of the mast along the support, and a plurality of links pivoted to said sections and said support for swinging the sections upwardly into alignment to form an upright mast when said sliding of the mast bottom occurs.

2,271,578

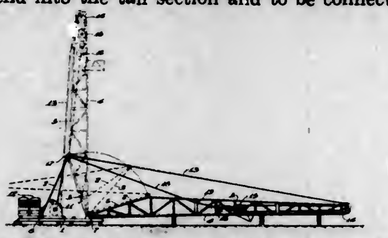
COLLAPSIBLE MAST ERECTION

Homer J. Woolslayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application August 22, 1941, Serial No. 407,923
7 Claims. (Cl. 189—15)

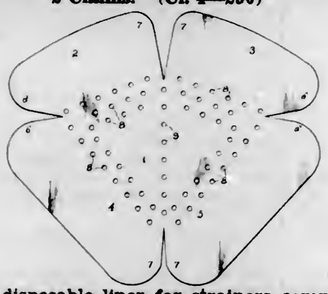
1. A mast structure comprising a support, a mast formed of two independent complementary overlapping sections of different heights mounted on said support, means for detachably connecting said sections together into a unitary mast when they are in upright position, a line extending downwardly in the tall section from its upper end, means for pulling up and letting down the line, the tall section being hinged at its lower end to said support for swinging downwardly into prone position along the ground, and a cable

connected to said short section and adapted to extend into the tall section and to be connected



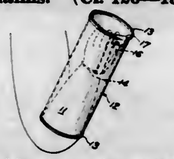
to said line for lowering or raising the tall section when said line is let down or pulled up.

2,271,579
STRAINER LINER
Robert E. Wright, East Cleveland, Ohio
Application January 25, 1941, Serial No. 375,969
2 Claims. (Cl. 4—290)



1. A disposable liner for strainers comprising a polygonal base portion and side wall portions extending from each side of said base and adapted to be folded upwardly from the base to form said liner into a receptacle, said base portion being perforated to permit drainage therethrough, each of said side wall portions extending lengthwise sufficiently to overlap the ends of adjacent side walls when said liner is formed into a receptacle.

2,271,580
ATTACHABLE SLEEVE FOR CHILDREN
Margaret S. Abell, Berkeley, Calif.
Application November 27, 1939, Serial No. 306,210
3 Claims. (Cl. 128—133)

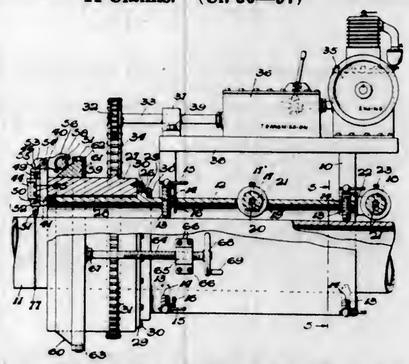


2. An attachable sleeve for children to prevent distortion of the mouth and teeth by thumb sucking, said sleeve comprising a tube approximately equal in length to the length of the fore-arm of a child and being adapted to encircle the same in spaced relationship, a wristlet strap for fastening said tube to the wrist of a child, and a flexible strip fastened at its one end to said wristlet strap and at its other end to said tube; said flexible strip being substantially equal in length to the length of the hand of a child so that said tube is permitted to move forward and substantially to enclose the hand of the child when the fore-arm is bent toward the face.

2,271,581
SYNTHETIC RESIN COATING COMPOSITION
Charles Bogin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Original application July 21, 1937, Serial No. 154,757, now Patent No. 2,192,583, dated March 5, 1940. Divided and this application August 11, 1939, Serial No. 289,579
4 Claims. (Cl. 260—32)

1. A coating composition possessing decreased gelling tendencies, comprising a tough and strong artificial resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of a lower aliphatic acid, said resin being dissolved in a sufficient quantity of a volatile solvent to decrease the gelling tendency of the resulting composition, comprising a nitroparaffin and a liquid coal tar hydrocarbon to make a readily flowable composition adapted to produce resistant, adhesive and stable protective or ornamental surface coatings.

2,271,582
PIPE CUTTER
Willard E. Dixon, Pampa, Tex.
Application September 8, 1941, Serial No. 410,076
11 Claims. (Cl. 30—97)



1. A cutter of the class described including a carriage arranged to be mounted on a pipe, means for clamping the carriage to the pipe, a collar rotatably mounted on the carriage, a tool holder movably connected to the collar, a cutter carried by the holder and arranged to be moved into engagement with the pipe to cut the same, a cam member axially slidable on the collar, means operable by the cam member and connected to said holder for moving the cutter into engagement with the pipe, means for rotating the collar and the cutter relative to the carriage, and means operatively connected to the cam member for actuating the same to control the operation of the cutter.

2,271,583
CONTROLLING DEVICE FOR MACHINE TOOLS
Ewald Dornhöfer and Robert Obtresal, Magdeburg, Germany, assignors to Magdeburger Werkzeug Machinenfabrik G. m. b. H., Magdeburg, Germany, a corporation of Germany
Application April 2, 1940, Serial No. 327,468
In Germany February 6, 1939
13 Claims. (Cl. 29—38)

1. In a tool machine, in combination, a plurality of tool holders, pressure operated means

connected with said tool holders to move them individually toward a work piece and away from said work piece to cause tools carried by the tool holders to operate upon the work piece, means connected with said holder-moving means for supplying fluid under pressure thereto, a rotary work piece-supporting table, pressure operated means connected with said table for turning it stepwise to move the work piece carried by the

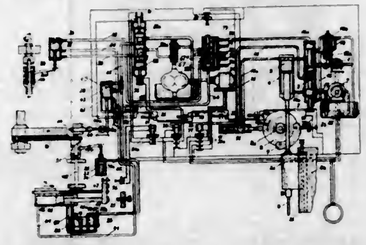
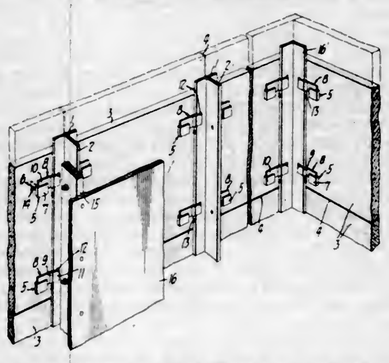


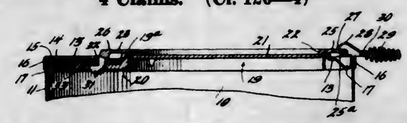
table from one tool holder to an adjacent tool holder, means connected with said table-turning means for supplying a fluid under pressure to said table turning means, electrically operated means connected with said holder-moving means and said table-turning means to regulate the movements of said tool holders and of said table in dependency one from the other, and electrical switches connected with said electrically operated regulating means for actuating the same.

2,271,584
WALL CONSTRUCTION
Roy Fellom, San Francisco, Calif.
Application April 17, 1939, Serial No. 268,247
6 Claims. (Cl. 72—20)



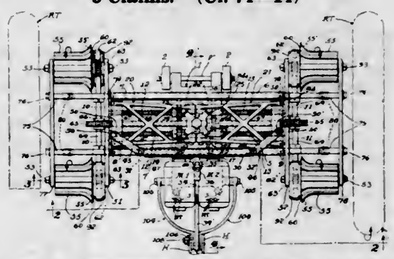
1. In wall construction, a pair of vertical, parallel, spaced, structural steel frame members each provided with a flange extending longitudinally thereof and the said flanges of the pair being spaced apart and co-planar with their free longitudinal edges facing each other; a vertically positioned, substantially rectangular wall-forming slab positioned with two of its opposite marginal portions on one side thereof in engagement with one of the sides of said flanges; wedge members movable relative to said slabs in direction longitudinally of said flanges, securing said portions tightly against said flanges; and means on said slabs extending over said wedge members and slidably engaged by said wedge members supporting said wedge members against said flanges for said movement.

2,271,585
STOVE HAVING A GRIDDLE TOP
Rives Fleming, Richmond, Va.; Mildred C. Fleming executrix of Rives Fleming, deceased
Application July 18, 1939, Serial No. 285,202
4 Claims. (Cl. 126—4)



4. The combination with a stove having a sheet iron top provided with a charging opening and having peripheral stiffening means, a reinforcing bead upstanding from said top and surrounding said opening, a skirt depending from said bead and extending below said top, a heavy metal lid having a downwardly open peripheral channel adapted to fit over said bead, said bead being adjacent said stiffening means at at least two points, and lugs projecting outwardly from said lid, one of said lugs having an opening therein, a handle having an eye engaging with said lug opening and having a shank normally resting on said stiffening means, the other lug having an L-shaped pivot, said top having a reinforced opening to receive said pivot.

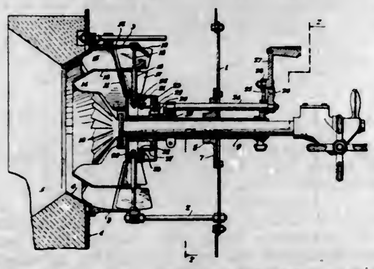
2,271,586
CONVERTIBLE AUTOMOBILE JACK AND REAR WHEEL DRIVE MOTOR STARTING DEVICE
Valentine Gerich, New York, N. Y.
Application September 6, 1940, Serial No. 355,598
3 Claims. (Cl. 74—14)



1. In a convertible automobile jack and rear wheel drive and motor starting device of the character described, the combination of a floor truck, a bed-plate therewith provided with wheels and casters, channel-like frame members secured crossway onto said bed-plate, electric motors arranged on said bed-plate, telescoping members arranged within said channel-like members, teeth racks having a spur gear meshing therebetween arranged onto one of said channel-like members, a toggle jack mechanism having movable cross-blocks operable by left and right screw-rods arranged in between said channel-like members, toggle levers pivotally secured to said cross-blocks, said toggle levers further pivotally connected to a saddle member, said saddle member in its lowermost position in between said channel-like members position said cross-blocks at extreme end portion of said channel-like members with said toggle levers almost in their horizontal positions, said saddle being adaptable for positioning underneath the rear housing of an automobile, a pair of drums carried by the free ends of said telescoping members, each of said drums provided with a curved flanged portion and a ratchet drive mechanism, said tele-

scoping members adaptable to be operated by one of said electric motors, said drums and ratchet-drive mechanism adaptable to be driven by the other electric motor, said floor truck provided with a steering handle, said handle provided with a rotatable wheel at the upper end thereof, said wheel through connecting mechanism adaptable to operate said spur gear and teeth-racks and each pair of drums connecting therewith, means to operate first said motor and said toggle operating mechanism whereby said saddle elevates said rear-housing of car, means to break the power circuit of said motor, when saddle is sufficiently elevated, each of said pair of drums provided with teeth portions, said wheel of handle adaptable to move each pair of drums underneath the tires of the rear wheels of the car, means to reverse said motor to lower said saddle member, and said rear-housing so the tires may rest upon each pair of drums, means to break the circuit of said motor, means to operate said other motor for rotating said drums through said ratchet-drive whereby the dead motor of the car may be started through the rotation of said drums contacting said tires of the rear wheels of said car, said ratchet-drive allowing for excessive speed of rear wheels after the motor has been started and during the rotation of said drums for generating power to the generator of said car for the sufficient voltage to normally operate said motor of car, after which said other motor is shut-off and all operating mechanism is now reversed to return the drums to their normal positions in which the toggle jack mechanism is again operated for elevating the rear wheels sufficiently for the withdrawal of said drums.

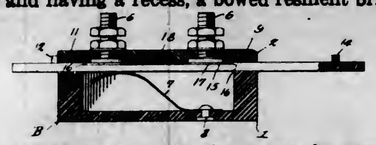
2,271,587
AIR REGISTER
George Perry Haynes, Rockville Centre, N. Y., assignor to Todd Combustion Equipment, Inc., New York, N. Y., a corporation of New York
Application June 26, 1940, Serial No. 342,432
14 Claims. (Cl. 158—1.5)



1. An air register for liquid fuel burners comprising means defining inner and outer coaxial passageways, separate sets of vanes pivoted in said passageways on radial axes, operating shafts for the outer set of vanes extending across the inner passageway, and means at the inner ends of said shafts and inner set of vanes for adjusting both sets of vanes about their axes and maintaining them in adjusted position.

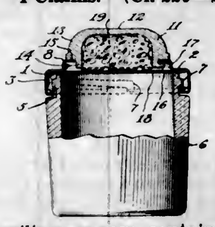
2,271,588
SWITCH
William Hecht and Louis M. Rybold, La Crosse, Wis., assignors to Arthur Hecht, La Crosse, Wis.
Application March 19, 1941, Serial No. 384,194
1 Claim. (Cl. 200—163)

An electrical switch comprising a base, a lid detachably secured to the base and having a guideway in its inner surface, conductor holding means comprising spaced terminals carried by the lid and extended into the guideway, a slide mounted for right line reciprocation in the guideway and having a recess, a bowed resilient bridge



held by its resiliency in the recess, by contact with the slide at the ends of the recess, the bridge being at least as long as the space between the terminals, and spring means in the body and engaging the slide to maintain contact between the bridge and the conductor holding means.

2,271,589
AUXILIARY SPONGE CONTAINER
Jack L. Hendrickson, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application June 21, 1939, Serial No. 280,385
4 Claims. (Cl. 220—23)



1. An auxiliary sponge container, including a metallic closure for a receptacle, said closure formed of a single piece of sheet metal and including a top, said top having a central opening and a flat annular portion adjacent the periphery of the top, a liner in said closure in position to cooperate with the annular flat portion of the closure top and the neck of the receptacle to seal the latter, an integral skirt depending from the outer periphery of the flat annular portion, means on the depending skirt for engaging exterior projections on the receptacle neck to lock the closure on the receptacle by rotation, a sponge retaining glass cover, means for removably securing the glass cover in mouth-down position on the top of the closure in alignment with said opening, and said liner acting as a closure for the mouth of the sponge retaining cover.

2,271,590
AUXILIARY SPONGE CONTAINER
Jack L. Hendrickson, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application June 22, 1939, Serial No. 280,606
2 Claims. (Cl. 220—23)

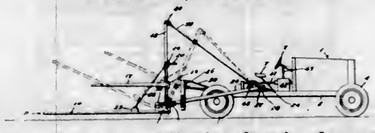
1. An auxiliary sponge container, including a metallic closure for a receptacle, said closure formed of a single piece of sheet metal and including a top having a central raised portion and a flat annular portion adjacent the periphery of the top and surrounding the raised central portion, an imperforate liner in said closure in position to cooperate with the annular flat portion of the closure top and the neck of the receptacle to seal the latter, an integral skirt depending from

the outer periphery of the flat annular portion, means on the depending skirt for engaging exterior projections on the receptacle neck to lock the closure on the receptacle by rotation, the said central raised portion of the closure top provided with slots, said imperforate liner in co-



operation with the raised central portion forming a space which is sealed off from the receptacle, a sponge retaining cover, and means integral with said cover for removably securing the cover on the closure, said securing means adapted to pass downwardly through said slots into the said sealed-off space.

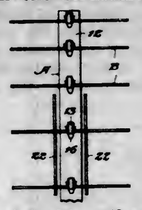
2,271,591
POWER RAKE
Raymond C. Hickman, Warren, Minn.
Application September 27, 1940, Serial No. 358,730
1 Claim. (Cl. 56—27)



The combination with the chassis of an automobile, and the running gear and motor thereof, of a rake at the rear end of the chassis comprising an upright skeleton front, and tines extending rearwardly from said front, means to mount said rake on said chassis for tilting movement forwardly and rearwardly into different inclined positions comprising a pair of pusher bars extending rearwardly from said chassis upon opposite sides thereof, respectively, pairs of angle iron guides at opposite sides of the rake, respectively, straddling said bars, pivotal connections between the rear ends of said bars and said pairs of guides, respectively, means to adjust said bars vertically into different set positions to lift and lower the rake in the different tilted positions thereof comprising pivotal mountings between said bars and said chassis, a pair of hanger bars depending from said chassis alongside said pusher bars, respectively, variable pivotal connections between said pusher and hanger bars for securing the pusher bars to the hanger bars at different levels, and means to tilt said rake under operation of the motor, said first-mentioned pivotal connections being variable to adjust the rake forwardly and rearwardly on said pusher bars.

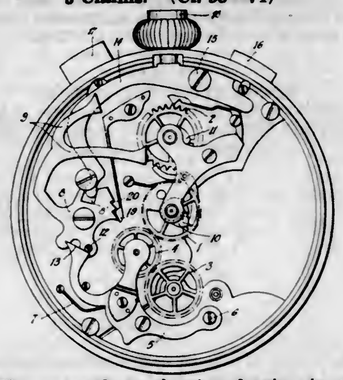
2,271,592
COMPOSITE PANEL AND STEEL ELEMENT THEREFOR
Meier George Hilpert, Bethlehem, Pa.
Application March 23, 1938, Serial No. 197,720
10 Claims. (Cl. 72—71)

1. In combination with a structural steel beam element, saddles secured rigidly to the top of said element at definitely spaced points therealong, said saddles having cross rod accommodating formations closed at their tops, cross rods seated in said formations, and wedge keys interposed between the structural element and



the cross rods and locking the latter in said formations.

2,271,593
WATCH
Henri Jacot Guyot, Neuchatel, Switzerland, assignor to the firm Ebauches S. A., Neuchatel, Switzerland, a firm of Switzerland
Application July 31, 1939, Serial No. 287,633
In Switzerland August 15, 1938
3 Claims. (Cl. 58—74)

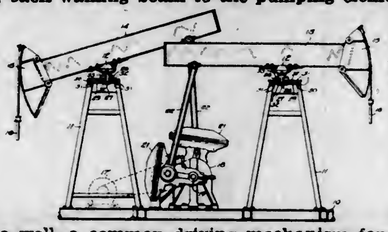


1. Chronograph mechanism having in combination a seconds wheel, a driving wheel mounted on the axle of and above said seconds wheel, a counter wheel provided with a heart-cam, an oscillatable tappet pivoted in its center and having an U-shaped notch, a series of V-notches and a projection which are disposed side by side on the circumference of said tappet and at approximately the same distance from the center thereof, said tappet forming also a bent extension terminating in a resetting hammer adapted to act upon the heart-cam of said counter wheel, an operable first rocking lever having a substantially rounded end engaging said U-shaped notch in the tappet for oscillating the same, a spring pressed second rocking lever pivoted at one end and being applied at its other end against said projection on the tappet, an intermediate wheel carried by said second lever, said wheel being constantly in gear with said driving wheel and adapted to be brought into gear with said counter wheel upon rocking said second lever by means of said tappet, and a spring pawl adapted to engage said V-notches in the tappet for maintaining said tappet in determined positions.

2,271,594
PUMPING MECHANISM
Karl H. Kanalz, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application October 9, 1939, Serial No. 298,675
12 Claims. (Cl. 74—41)

1. A pumping mechanism comprising a pair of

walking beams projecting in opposite directions from each other, means for supporting each walking beam intermediate its ends for oscillating movement about a horizontal axis, means at the remote ends of said walking beams for connecting each walking beam to the pumping elements



of a well, a common driving mechanism for oscillating said walking beams, and means for moving said pivot axes toward and away from the respective wells and fixing them in adjusted positions whereby said walking beams may be actuated to effect the pumping operations with said pivot axes in selected adjusted positions.

2,271,595

DECORATIVE FOOTWEAR

Leone Avey Langendorf, Los Angeles, Calif.

Application February 6, 1939, Serial No. 254,798
2 Claims. (Cl. 36—45)



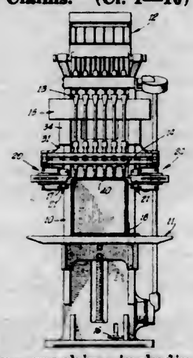
1. As a new article of manufacture, decorative footwear comprising a sole, a heel, an upper applied to said sole, which upper comprises two separate layers of thin, flexible, transparent material, one lying directly upon the other and a decorative element arranged between said layers of material.

2,271,596

METHOD AND MACHINE FOR STRAPPING BOXES

William Harry Liggins, Los Angeles, Calif., assignor to Harbor Box & Lumber Co., Los Angeles, Calif., a corporation of California

Application May 31, 1940, Serial No. 338,187
7 Claims. (Cl. 1—10)



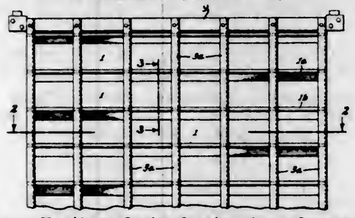
1. In a nailing machine including a frame, a table, a nail hopper, nail chucks, a driver beam and means for reciprocating the driver beam, the combination of: an auxiliary frame provided with guides and attached to the frame of the nailing machine at the level of the nail chucks; a shoe carrier reciprocably movable horizontally in said guides of said auxiliary frame; a fitting shoe adjustably held by said carrier; and a slotted cam arm attached to the driver beam and movable therewith and operably connected to said shoe carrier to move said fitting shoe into forcible contact with the corner portion of a strap being nailed on a box.

2,271,597

APPARATUS FOR ELECTRICAL PRECIPITATION

Lionel Lodge, Godalming, England, assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California

Application July 1, 1941, Serial No. 400,671
In Great Britain June 27, 1939
4 Claims. (Cl. 183—7)



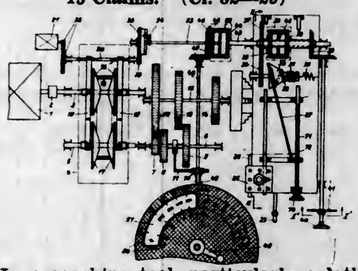
1. A collecting electrode structure for an electrical precipitator for removing suspended particles from a horizontally flowing stream of gas, comprising: a vertical series of plates; a second vertical series of plates spaced horizontally from the first series to provide a particle receiving space between the two series, the plates in each series extending vertically and being spaced apart to provide horizontally elongated openings to admit particles to said space; and a plurality of horizontally spaced baffles disposed at intervals along the horizontal length of said two series of plates, said baffles extending vertically and transversely across the particle receiving space and projecting outwardly beyond the outer faces of the two series of plates to prevent travel of precipitated particles horizontally along the plates.

2,271,598

MACHINE TOOL

Albrecht Maurer, Bad Homburg v. d. Hohe, Germany, assignor to P. I. Antrieb Werner Reimers K.-G., Bad Homburg v. d. Hohe, Germany, a Corporation of Germany

Application March 22, 1940, Serial No. 325,425
In Germany March 22, 1939
15 Claims. (Cl. 82—29)



1. In a machine tool, particularly a lathe or

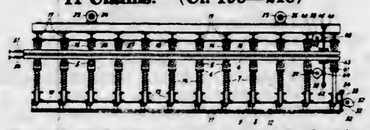
cutting-off machine, a speed regulator, an adjusting device constituting a preselector for the speed regulator, means for driving the speed regulator, a cutting tool movable over a predetermined path, and means for operatively connecting the cutting tool to the speed regulator including differential gearing controlled by the adjusting device whereby to insure uniformity of cutting speed so that percentually equal variations of the working diameter are associated with equally-sized adjusting paths of the device, which bring about percentually equal speed variations inversely corresponding to the variations in working diameter, all factors influencing the adjusting device for the cutting speed and including adjustment of the cutting speed and variation of working diameters and of connecting gears acting separately, by means of said differential gears, upon the adjusting device constituting the preselector and driving the speed regulator by said regulator driving means.

2,271,599

CONVEYING DEVICE

Gottfried Maurer, Zurich, Switzerland, assignor to the firm Muller & Cie. Aktiengesellschaft, Maschinenfabrik, Brugg, Switzerland, a joint-stock company of Switzerland

Application December 13, 1939, Serial No. 309,099
In Switzerland January 3, 1939
11 Claims. (Cl. 198—218)



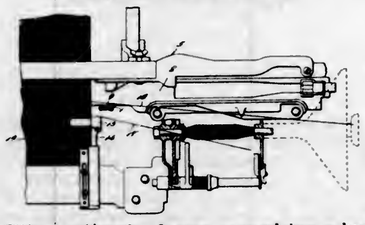
1. In a device for conveying goods having opposed beds comprising bars, suitable operating means for said bars whereby two opposed bars are caused to move forward and backward, rollers for engaging the bars, adapted to move opposed bars toward and away from one another for pressing and releasing the goods to be conveyed, suitable adjusting means for connecting said beds, adapted to adjust the mutual distance between said opposed beds according to the thickness of the goods to be conveyed and the pressure to be applied to the goods by said rollers.

2,271,600

FILLING CUTTER

George H. McRae, Thomaston, and Ernest W. Fanning, East Point, Ga.

Application September 4, 1941, Serial No. 409,562
1 Claim. (Cl. 139—303)
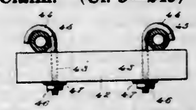


A filling cutter for looms comprising a bracket for mounting on the lay of the loom, said bracket including a plate having a vertical slot therein and further including apertured ears projecting forwardly from the plate, a bolt engaged in the slot for adjustably securing the bracket to the lay, and a sweep mounted for swinging movement in a vertical plane on the bracket and when, in upstanding position, engageable with an outgoing filling end to be cut, a shaft extending between the ears of the bracket, apertured ears on the sweep journaled on said shaft, and a coil spring mounted on the shaft and engaged with the sweep for yieldingly maintaining said sweep in operative position.

2,271,601

EXTENDED BED FOR TALL MEN

Hiram Austin Miller, Monroe, La.

Application June 22, 1938, Serial No. 215,273
1 Claim. (Cl. 5—249)



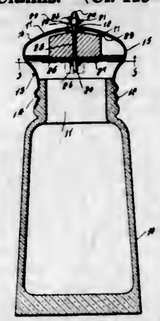
In combination, a bed spring having a reinforcing member, a spring extension having a reinforcing member, a block extending underneath said reinforcing members, said reinforcing members paralleling each other and being slightly spaced, said block being provided with openings, bolts extending through said openings and each having a hook engaging over one of said reinforcing members, and nuts threaded on said bolts and coacting with said block for clamping said reinforcing members against the block, said bolts projecting through the space between said reinforcing members and the hook engaging over one of said reinforcing members being reversed with respect to the hook engaging over the other reinforcing member.

2,271,602

POWDER DISTRIBUTOR

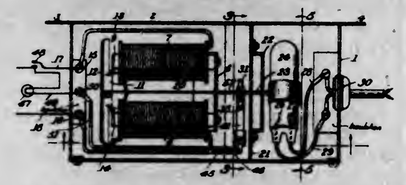
Enos Stillman Munroe, Portland, Maine

Application April 24, 1941, Serial No. 390,207
3 Claims. (Cl. 119—159)



1. A distributor comprising a cover adapted to be connected to a vessel containing powder, said cover being provided with an enlarged central opening, a rod loosely extending therethrough, a weight member disposed in the cover and through which said rod extends, and a disk of pliable material mounted on the inner end of said rod, the periphery of said disk engaging the inner side of the cover to restrict the movement of powder, to be dispensed through said opening, through the cover, said container being adapted to be rocked when in an inverted position to cause said weight member to rock relatively to the cover for flexing a portion of the periphery of the pliable disk to permit the powder to pass between the periphery of the pliable disk and the inner side of the cover.

2,271,603
SELF-REVERSING MAGNETIC SWITCH
Freland M. Murphy, Houston, Tex.
Application September 23, 1940, Serial No. 357,971
7 Claims. (Cl. 200—87)



1. An electric switch, comprising a magnet, a circuit for the magnet, an armature operated by the magnet, an oscillating cam operated by the armature, a circuit closure operated by the shaft of the cam, and a combined spring detent and circuit contact engaging the cam and holding it in its two adjusted positions.

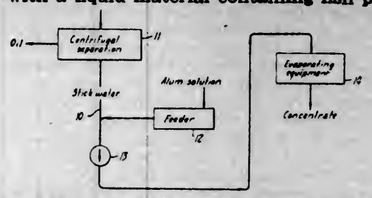
2,271,604
ACCORDION
Joseph Pankowski, Chicago, Ill.
Application October 29, 1940, Serial No. 363,371
1 Claim. (Cl. 84—376)



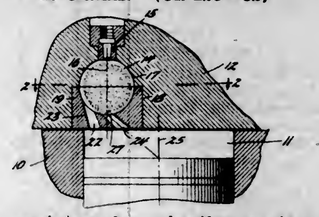
A device of the character described, comprising, an auxiliary bellows adapted to be carried by the rear wall of the front reed chamber and within the main bellows of an accordion for supplying said reed chamber with air through an opening in said rear wall, eccentric mechanism connected to said auxiliary bellows for operating the latter, a motor adapted to be mounted in the rear reed chamber of said accordion, means connecting said motor to said mechanism for operating the latter, and means detachably connected to said auxiliary bellows and operable for precluding operation of said auxiliary bellows during operation of said accordion by said main bellows.

2,271,605
METHOD OF EVAPORATING FISH EXTRACT
Henry L. Pollard, Petaluma, Calif., assignor to Western Condensing Company, San Francisco, Calif., a corporation of California
Application May 17, 1939, Serial No. 274,220
3 Claims. (Cl. 159—47)

3. In a method for the concentration of stick water by evaporation, where the evaporation is effected by contact of the stick water with heated surfaces, the step of contacting the heated surfaces with a liquid material containing fish proteins and alum whereby scale formation is inhibited or removed.

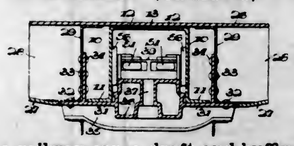


2,271,606
COMBUSTION CHAMBER
Richard H. Sheppard, Hanover, Pa.
Application September 14, 1938, Serial No. 229,947
10 Claims. (Cl. 123—32)



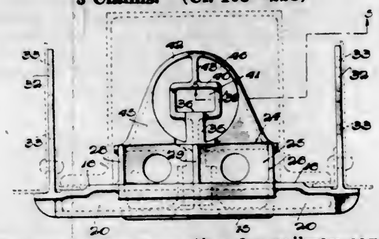
1. In an internal combustion engine of the liquid fuel injection type, a cylinder, a spherical combustion chamber, a fuel jet nozzle positioned to inject a jet of fuel through the center of the chamber, and means having a main and an auxiliary throat providing communication between the cylinder and chamber, the main throat having one wall tangential to the wall of the chamber, the auxiliary throat having its axis intersecting the axis of the cylinder and the axis of the fuel jet, the axis of the fuel jet passing through the orifice of said auxiliary throat, whereby droplets of fuel thrown into said auxiliary throat are carried directly to the center of the cylinder.

2,271,607
CAR CONSTRUCTION
Sigvard Simonson, Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware
Application December 20, 1939, Serial No. 310,235
19 Claims. (Cl. 213—8)



1. In a railway car, a draft and buffing column extending substantially the length of the car and having substantially the cross section of an inverted U throughout its length, car body bolsters each having an opening through which said column is movable and comprising bolster center brace structure extending beneath and supporting said column and having a central portion extending upwardly within said column, and cushioning means housed within said column and interposed between said column and central portion for resisting movement of said column.

2,271,608
CAR CONSTRUCTION
Sigvard Simonson, Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware
Application March 18, 1940, Serial No. 324,731
3 Claims. (Cl. 105—228)



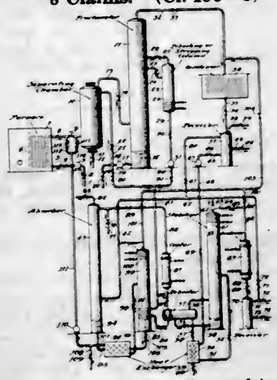
1. A center brace casting for railway car bolsters of the type having a central opening therethrough, said casting comprising longitudinally spaced transverse beams adjacent the inner and outer sides of the bolster, the ends of said beams being adapted to extend under and support the bolster sections at the sides of said opening, vertical, longitudinal walls connecting said beams adjacent their ends and adapted to project upwardly within said opening for attachment to the inner ends of said bolster sections, a plurality of vertical longitudinal walls connecting said beams adjacent their central portions and interconnected to form a central longitudinal beam section having its ends supported by said transverse beams, the sides of said beam section and the respectively adjacent vertical attachment walls defining spaced passages extending longitudinally through said casting above said transverse beams and open at the top, and a draft and buffing abutment mounted on said longitudinal beam sections and adapted to project upwardly within said opening, the vertical extent of said abutment being less than the height of said opening whereby a free and unobstructed passage through said bolster is provided above said abutment.

2,271,609
FLAGSTAFF
Charles R. Hall, United States Army
Application September 25, 1941, Serial No. 412,223
6 Claims. (Cl. 116—173)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In a military flagstaff, in combination, a sectional metal flagstaff comprising a plurality of telescoping sections of standard commercial pipe, each section being overlapped by a section of larger diameter positioned immediately below the first-named section in the construction of the flagstaff, the arrangement being such that each lower section overlaps the section immediately above it by an overlap of progressively greater length, to the end that a flagstaff is constructed having an upper portion consisting of a single thickness of pipe, and a portion adjacent the staff mounting consisting of a continuous, uninterrupted, plural thickness of pipe wall to provide a laminated construction from the pipe mounting a portion of the distance to the upper extremity of the shaft and a single thickness portion at and adjacent the upper extremity of the staff; transverse trunnions secured to said flagstaff at a point spaced apart from the lower extremity of the staff, a pair of bearing supports one at each end of said trunnions and spaced apart from each other a distance slightly greater than the maximum diameter of the staff to constitute a substantially unitary base for the trunnions, said bearing supports being arranged to taper downwardly and outwardly in all directions to the level of the terrain; a foundation for the bearing supports comprising a pair of longitudinally extending walls, end walls and a bottom wall uniting said first walls to define a relatively long and narrow counterweight pit of a width greater than the distance between the aforementioned bearing supports; a pair of side buttresses, one associated with each of said pit walls and terminating at their upper extremity in the aforementioned bearing supports, the said longitudinal walls and side buttresses being arranged to cooperate with each other and form a substantially X-shaped supporting foundation; and a counterweight at the lower extremity of the staff, the said counterweight consisting of a relatively long arcuate channel iron arranged with its flanges downwardly to form a cable channel; a plurality of radius rods extending from the remote portions of said channel to a point of the flagstaff below the trunnion mounting and a concrete counterweight of relatively long and narrow shape secured to the lower extremity of the shaft and adapted to move in the counterweight pit.

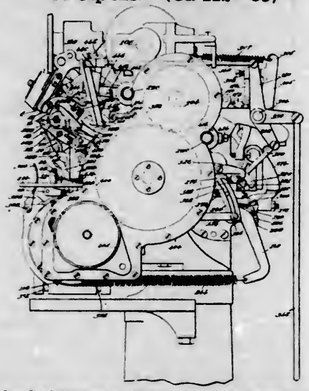
2,271,610
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1938, Serial No. 227,816
8 Claims. (Cl. 196—8)



1. A process which comprises subjecting hydro-

carbon oil to cracking conditions of temperature and pressure in a conversion zone, removing the resultant heated conversion products from said zone and separating therefrom a relatively heavy reflux condensate, a lighter reflux condensate, a final distillate, and gases, scrubbing at least a portion of said gases with a portion of said lighter reflux condensate to absorb heavier components of the former in the latter, stripping the resultant enriched reflux condensate of the absorbed gaseous components and recovering the latter, and thereafter commingling at least a portion of the stripped reflux condensate with heated conversion products discharged from said zone to cool such products.

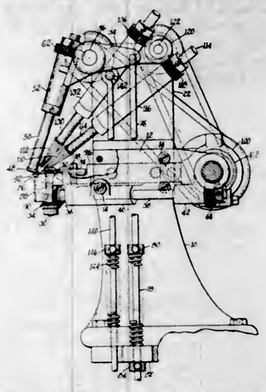
2,271,611
SHOE SEWING MACHINE
Fred Ashworth, Wenham, and Carl F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,455
50 Claims. (Cl. 112—38)



1. A lockstitch sewing machine having, in combination, stitch forming devices including a hook needle, a locking thread case, a rotary loop taker for passing loops of needle thread over the thread case, and a take-up, mechanism for actuating the take-up to provide slack in the needle thread as the needle loop is being drawn through the work by stitch forming devices other than the take-up and to pull each needle loop from the loop taker, and means for controlling the needle thread as each loop is passing over the thread case to prevent slack thread in the needle loop during passage of the loop from a position of maximum extension to a position where it is free of the loop taker.

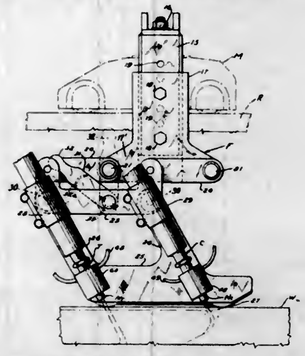
2,271,612
TRIMMING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 18, 1940, Serial No. 330,357
22 Claims. (Cl. 12—1)

1. In a machine for trimming the vamp of a moccasin secured to a last by a clamp surrounding the vamp, a gage against which the upper margin of the clamp may be held to guide the work, said gage including a portion arranged to project between the clamp and the vamp, said portion having a surface arranged to support the vamp for the trimming operation, and means adjacent to said gage arranged to trim the vamp



along a line parallel to and adjacent to the top margin of the clamp.

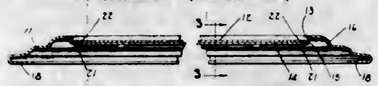
2,271,613
PLATE-RIDING ATTACHMENT
Roger S. Babcock, Plainfield, and Lloyd W. Young, Scotch Plains, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application July 9, 1940, Serial No. 344,486
14 Claims. (Cl. 266—23)



1. In a blowpipe carrying and guiding attachment for self-propelled cutting, welding, and similar machines, the combination of an arm having one end thereof constructed and arranged to be rigidly secured in a horizontal position to a self-propelled carriage in such manner that the other end of said arm is spaced from one side of said carriage; a movable blowpipe carrier; a blowpipe secured to and movable with said carrier along a predetermined path; vertically swingable link means pivotally supporting said carrier from said arm adjacent said other end thereof, said link means supporting said carrier and said blowpipe at a distance away from said side of said carriage and in such manner that both said carrier and said blowpipe are freely swingable in a vertical plane in unison relatively to said arm and relatively to the work to be cut or welded with said blowpipe; and a work-engaging member secured to said carrier and constructed to move the latter vertically responsively to irregularities on the surface of the work and

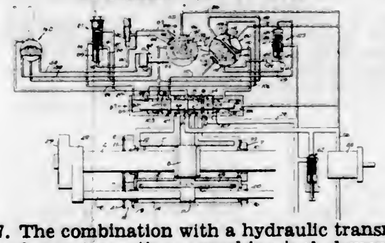
thereby maintain the nozzle of said blowpipe at a substantially uniform distance from said surface throughout a cutting or welding operation.

2,271,614
PROJECTION SCREEN
Frederick C. Baselt, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 4, 1938, Serial No. 238,906
2 Claims. (Cl. 88—24)



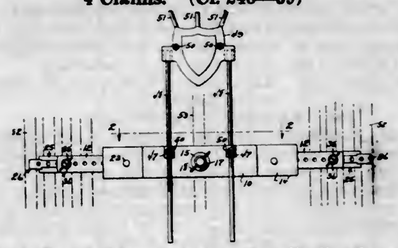
1. In a projection screen having a frame structure provided with a peripheral molding surrounding a depressed panel and a screen member secured within said panel: the improvement characterized by constructing said screen member of a metal base plate held against flexure by a contacting wall of said panel, an integral bright light reflecting surface on said metal base plate, an adhesive coating of transparent colorless lacquer on said reflecting surface, a layer of finely comminuted colorless transparent particles partially embedded in said lacquer, said particles being intimately associated and partially dissolved by said lacquer to provide rounded surfaces capable of reflecting substantially all light rays received by said bright reflecting surface on said metal base plate, and an outer binding coating of colorless transparent water-white lacquer on said layer of finely comminuted transparent particles to preserve the latter in position, whereby said screen is capable of returning to the observer a uniformly dispersed diverging reflection of light rays having substantial equal intensity when viewed from any angle and direction.

2,271,615
HYDRAULIC POWER UNIT
Russell E. Bauer, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application September 10, 1937, Serial No. 163,210
11 Claims. (Cl. 121—45)



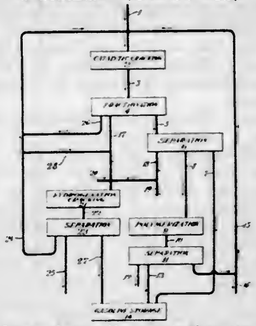
7. The combination with a hydraulic transmission for reciprocating a machine tool element at a plurality of selected speeds, and means including a rotary pilot valve for controlling the speed setting of said transmission, of a pair of spaced elongated members rigid with said machine tool element and paralleling its path of movement, an oscillatable actuator for said pilot valve projecting between said members with its axis of oscillation transverse thereto, and dogs adjustably mounted on said members for engagement with said actuator in the reciprocation of said machine tool element, the ones of said dogs on opposite ones of said members actuating to oscillate said actuator in respectively opposite directions during the course of longitudinal movement of said members in one direction.

2,271,616
FLAGSTAFF HOLDER
Martin J. Beale, Brooklyn, N. Y.
Application December 13, 1939, Serial No. 309,073
4 Claims. (Cl. 248—39)



4. A flag holder including longitudinally adjustable supporting bars; pairs of clamping arms pivotally mounted at the free ends of the bars, the arms comprising each pair being adjustable relative to each other and having offset ends adapted to be positioned behind the grill bars of a radiator; a jack screw mounted at the longitudinal center of the supporting bars, said screw being adapted to engage the radiator grill to move the bars away from the grill and to bring the offset ends of the arms into frictional engagement with the grill bars; and spaced staff holding sockets mounted on the said supporting bars.

2,271,617
CONVERSION OF HYDROCARBON
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1939, Serial No. 275,650
3 Claims. (Cl. 196—52)



1. A hydrocarbon oil conversion process which comprises contacting the charging oil, at a temperature in the approximate range of 800–1200° F., with an active cracking catalyst comprising a major proportion of silica and a minor proportion of a catalytic component selected from the group consisting of alumina and zirconia, thereby forming a substantial quantity of gasoline and heavier products more refractory to catalytic cracking than the charging oil, separating the gasoline from the heavier products, subjecting at least a portion of the latter, in admixture with hydrogen, to the simultaneous action of a cracking catalyst of the character aforesaid, and a hydrogenating catalyst at a temperature in the approximate range of 700–1000° F. and under pressure of about 100 to 1000 pounds per square inch, whereby to obtain a substantial yield of gasoline from said heavier products, fractionating the conversion products of the last-mentioned

step and supplying fractions thereof heavier than gasoline to the first-mentioned catalytic conversion step.

2,271,618
CONVERSION OF HYDROCARBON OIL
Herman S. Bloch and Edward C. Lee, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,568
14 Claims. (Cl. 196—52)

14. A process for the production of gasoline from hydrocarbon oils heavier than gasoline which comprises contacting the oil at cracking temperature with a calcined mixture of the hydrogels of silica and vanadia, said mixture being substantially completely free of alkali metal ions.

2,271,619
PROCESS OF MAKING PURE SOAPS
George Burt Bradshaw, Wilmington, Del., and Walter C. Meuly, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 19, 1939, Serial No. 268,820
19 Claims. (Cl. 260—410)

1. The process which comprises reacting a higher fatty acid glyceride with a saturated aliphatic monohydric alcohol having less than 5 carbon atoms in the presence of a small amount of an alkali metal hydroxide under substantially anhydrous conditions, said hydroxide being added in an amount of 0.1% to 0.5% by weight based upon the glyceride and the amonut of alcohol employed being not more than 1.75 equivalents of the glyceride.

2,271,620
PROCESS OF PREPARING VEGETABLE PROTEIN COMPOSITIONS
John C. Brier, Ann Arbor, and Gerard W. Mulder, Kalamazoo, Mich., assignors to Welsh and Green Incorporated, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 19, 1940, Serial No. 319,692
14 Claims. (Cl. 134—23.8)

1. The method of making an adhesive composition having an alkaline pH of 10 or less from a vegetable protein freed from a substantial proportion of the non-proteinogenous matter normally associated therewith, which comprises subjecting said protein to a hydrolyzing and dispersing action in an aqueous mass containing as an active ingredient an amount of caustic alkali sufficient to give a pH of at least 12, continuing such hydrolyzing and dispersing action under such conditions of time and temperature as to effect a homogeneous aqueous dispersion of said protein having a pH substantially above 10.5, and, without formation of a persistent gel, introducing into said aqueous dispersion an effective acid substance in sufficient quantity to reduce the pH thereof to an alkaline pH of about 10.5 or less without diminishing the homogeneity thereof.

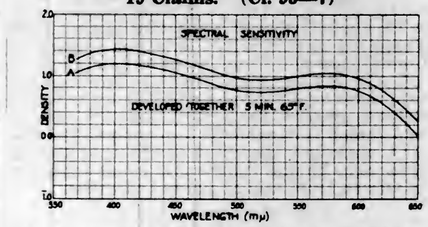
2,271,621
RECOVERY OF WOOL GREASE
Charles R. Brown, Upper Darby, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 27, 1940, Serial No. 372,011
18 Claims. (Cl. 260—427)

1. In the manufacture of a purified wool grease from a crude wool grease contaminated with insoluble impurities and suint, the process comprising mixing with said crude wool grease an aqueous solution of an abietic acid salt, and separating the resulting aqueous phase and associated insoluble impurities from the wool grease.

2,271,622
PHOTOGRAPHIC EMULSION
Burt H. Carroll and Charles F. H. Allen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 29, 1940, Serial No. 321,593
15 Claims. (Cl. 95—7)

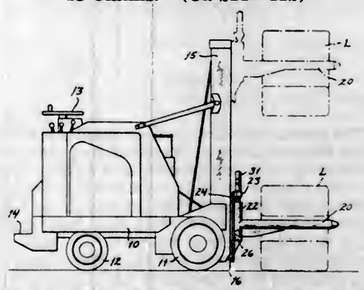
1. A photographic silver halide emulsion sensitized with a cationic surface-active phosphonium salt.

2,271,623
PHOTOGRAPHIC EMULSION
Burt H. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 29, 1940, Serial No. 321,595
In Great Britain March 30, 1939
19 Claims. (Cl. 95—7)



1. A photographic silver halide emulsion sensitized with a cationic surface active ammonium salt.

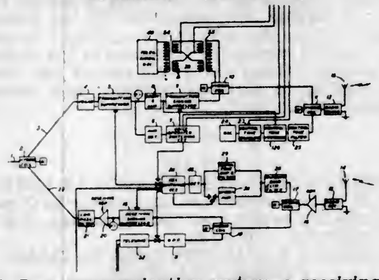
2,271,624
LOAD HANDLING MECHANISM FOR INDUSTRIAL TRUCKS
Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a corporation of Ohio
Application May 26, 1939, Serial No. 275,883
15 Claims. (Cl. 214—112)



1. In an industrial truck, the combination of a truck frame and a longitudinally fixed load elevating mechanism attached to the truck frame adjacent one end thereof, of a load elevating means operated from the truck vertically movable on such frame, a load-engaging means carried by said mechanism normally in alignment with the longitudinal center of the truck and

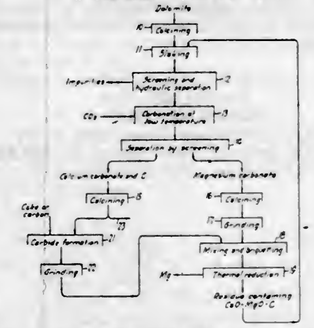
comprising a member for engaging hollow or ring shaped bodies projecting forwardly from the elevating mechanism, said load engaging means being pivotally movable to a position laterally of said normal alignment position, and means acting independently of gravity for assisting the return of said load engaging means to said normal position.

2,271,625
SYNCHRONIZING SYSTEM
Ira E. Cole, Montclair, N. J., and Alfred E. Melhose, St. Albans, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1939, Serial No. 287,926
15 Claims. (Cl. 179—4)



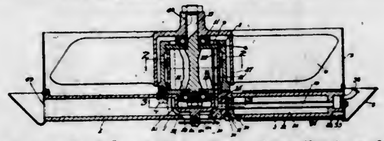
1. In a communication system, a receiving terminal comprising telephone and telegraph receiving means and speech controlled switching means for alternatively rendering either the said telephone or the telegraph means effective, said telegraph means including permutation code responsive means and means for locking said last means out of service under control of the repeated reception of a particular permutation code during intervals of effective telegraphic reception and under control of said switching means during intervals of effective telephonic reception.

2,271,626
METHOD OF MANUFACTURING METALLIC MAGNESIUM
Neil R. Collins, Los Altos, and Gunter H. Gloss, Belmont, Calif., assignors to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application March 28, 1941, Serial No. 385,654
6 Claims. (Cl. 75—67)



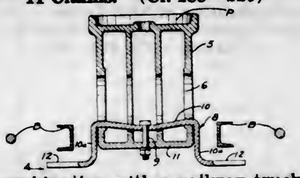
1. In a process for the manufacture of metallic magnesium from dolomitic materials containing calcium and magnesium, the steps of calcining the material, slaking the calcined material, effecting a separation between calcium and magnesium contents to yield calcium and magnesium oxides, utilizing the calcium oxide for the manufacture of calcium carbide, subjecting the magnesium oxide to thermal reduction with the calcium carbide to yield metallic magnesium and a residue containing calcium oxide, and returning said residue to the process.

2,271,627
INDUCED DRAFT BLOWER
Frans H. C. Coppus, Worcester, Mass., assignor to Linwood M. Erskine, Vera W. Coppus, and Frans H. C. Coppus, as trustees
Application March 7, 1938, Serial No. 194,257
10 Claims. (Cl. 110—159)



1. In a device of the class described, a base adapted to rest on an opening, said base having hollow legs in one of which is located an oil chamber, a motor centrally positioned on the base, a fan driven by the motor, and means surrounding said chamber and communicating with the atmosphere outside of the opening for circulating cooling air around said chamber as a result of fan rotation.

2,271,628
BRAKE GEAR SAFETY DEVICE
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 24, 1939, Serial No. 305,770
11 Claims. (Cl. 188—210)

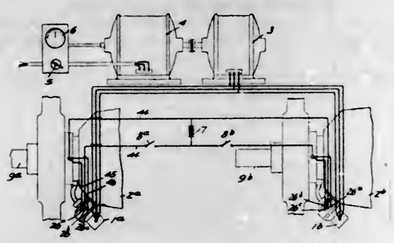


1. In combination with a railway truck bolster having a horizontal web and having integral upwardly-facing elements spaced apart transversely of the bolster, a separately formed detachable brake gear support structure comprising a bar extending transversely of the bolster over said bolster elements and directly carried thereby and engaging upright parts of the bolster to hold the structure against shifting transversely of the bolster, there being detachable means extending vertically through said web and bar and holding said structure in assembled relation with said elements but being free of the weight of the structure.

2,271,629
SYNCHRONIZING MECHANISM
Howard H. Couch, Patterson Field, Ohio
Application August 7, 1940, Serial No. 351,668
11 Claims. (Cl. 170—135.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, an engine, a propeller for absorbing the power of said engine, power-actuated means for changing the pitch of said pro-

peller, means driven by said engine at a speed proportional thereto, means driven at a constant speed, and power-supply-control means for controlling the supply of power to said pitch-changing means, said power-supply-control means including a pair of relatively angularly displaceable members, one of said members being driven by said constant-speed-driven means and the other of said members being driven by said engine-driven means, said members cooperating upon a predetermined relative angular displacement of



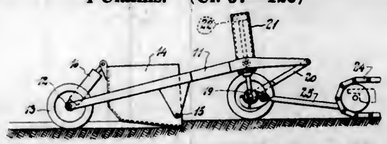
said members in either direction to cause power to be supplied to said power-actuated pitch-changing means, and interrupter means carried by one of said members and operative upon a predetermined relative angular displacement of said members to interrupt the supply of power to said pitch-changing means, said interrupter being rendered ineffective upon a further predetermined relative angular displacement of said members, whereby power is continuously supplied to said pitch-changing means.

2,271,630
CONTAINER
Charles H. Dahlgren, West New York, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 14, 1939, Serial No. 294,957
3 Claims. (Cl. 220—36)



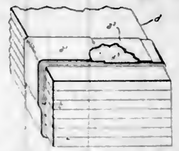
3. A hinge cover tablet box and the like, comprising a body member having a rear wall section, a cover member also having a rear wall section, a floating hinge permanently connecting said members along their rear wall sections and adapted to permit rocking movement of said cover, said hinge including a pintle secured in a boss formed on the rear wall section of the cover member, the ends of said pintle operating in a pair of spaced elongated lugs formed on the rear wall section of said body member, a projection formed inwardly in the side of said body hinge lugs intermediate their width and dividing said lugs into an upper and a lower lug section, and a cooperating outwardly extending projection formed in said body rear wall section between said body hinge lugs and in line with said first mentioned projection thereby forming a lock for holding said pintle in the upper lug sections of said hinge lugs when the cover member is in a closed position while permitting movement of the pintle from the upper to the lower lug sections when the cover is opened.

2,271,631
WHEELED SCRAPER
Trevor O. Davidson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application November 3, 1939, Serial No. 302,686
4 Claims. (Cl. 37—126)



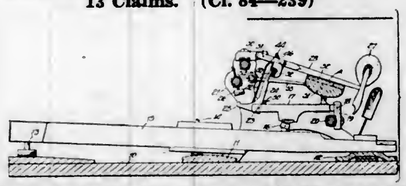
1. In a scraper, the combination of: a frame, front and rear ground supports for said frame; an arm extending forwardly and upwardly from the front support to a transverse pivot on the frame; a digging bowl supported by the frame; means to rotate this arm forwardly about its said pivot, thereby raising the front end of the frame, and thereby raising the front end of the bowl from digging to carrying position; and means for dumping the bowl.

2,271,632
BUNDLING OF SLATS AND SIMILAR UNITS
Oscar J. Diehl, Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application May 13, 1940, Serial No. 334,951
6 Claims. (Cl. 93—93)



1. The method of tying together a bundle of units of the character described which consists in making a band composed of at least two plies of strong flexible material arranged one over the other, with a film of liquid-softened adhesive between them, and immediately, while the film of adhesive is still moist and soft, wrapping the band tightly and completely around the bundle, thereby to cause the outer ply to become evenly adjusted over and around the inner ply so that the tensile strength imposed on the band-wrapping is sustained substantially equally by the individual plies, and the strength of the band as a whole equals uniformly approximately the sum of the individual tensile strengths of the plies and fastening the overlying end of the band down on the band.

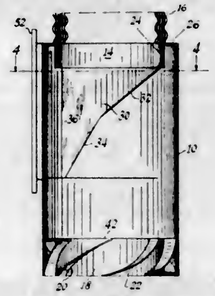
2,271,633
PIANO ACTION
William S. Finholm, New York, N. Y.
Application June 21, 1939, Serial No. 280,247
13 Claims. (Cl. 84—239)



1. In a piano action in combination, a striking key, a hammer, a repetition mechanism,

means for supporting the repetition mechanism in a position of rest upon the striking key, and means operatively connected to the repetition mechanism and the hammer for exerting a lifting force upon the whippen of the repetition mechanism when the repetition mechanism is in said position of rest, partially to relieve the weight of the repetition mechanism upon the striking key.

2,271,634
FLUID SEPARATOR
James Fletcher, Akron, and Ernest Carl Huge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 292,642
6 Claims. (Cl. 183—83)



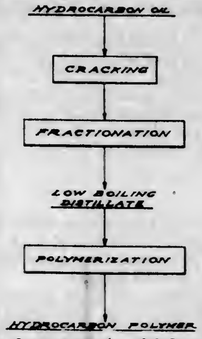
2. In a steam and water separator, means forming an upright whirl chamber, means secured to the whirl chamber and forming therewith an inlet through which a steam and water mixture is discharged into the chamber so as to set up a whirling motion therein, means at the upper end of the whirl chamber forming a steam outlet centrally positioned with respect to the chamber, means forming an outlet for separated water at the bottom of the whirl chamber, and plate means extending downwardly from the steam outlet and formed with a rearwardly inclined and downwardly receding edge which is effective to increase the downward component of the incoming steam and water mixture, said plate means forming one wall of the inlet.

2,271,635
DRY CLEANING COMPOSITION AND METHOD
Lawrence H. Flett, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application September 25, 1935 Serial No. 42,164
14 Claims. (Cl. 252—161)

3. A dry cleaning composition comprising an organic liquid of the dry cleaning type and a small amount of a dry cleaning assistant comprising an alkyl phenol sulfonate in which the alkyl radical consists of an alkyl hydrocarbon radical containing at least 12 carbon atoms.

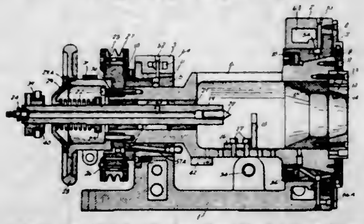
10. A dry cleaning composition comprising a volatile organic liquid of the dry cleaning type and a small amount of a dry cleaning assistant which is a salt of an aromatic sulfonic acid compound containing at least one alkyl hydrocarbon group with at least 8 carbon atoms, said salt being selected from the group consisting of alkali metal, alkali earth metal, ammonium and organic ammonium salts.

2,271,636
PREPARATION OF HYDROCARBON POLYMERS AND PRODUCTS THEREOF
Per K. Frolich, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 6, 1933, Serial No. 674,546
10 Claims. (Cl. 196—78)



1. Process for preparing high molecular weight polymerization products having the properties of plastic solids rather than of viscous lubricating oils, soluble in hydrocarbon oils and capable of improving the viscosity-temperature characteristics of lubricating oils when blended therewith, which comprises cracking a hydrocarbon oil to produce a mixture of normally liquid and gaseous products, separating from said cracked products by difference in volatility a fraction boiling substantially completely below 70° F. which consists substantially completely of a mixture of hydrocarbons boiling in the range of butanes and butenes and which contains a substantial amount of isobutylene, treating said fraction in liquid phase with a halide polymerizing agent at a reaction temperature maintained sufficiently below 32° F. throughout the reaction to produce a high molecular weight plastic solid mixture of polymerization products and separating from the resulting reaction mixture the said high molecular weight plastic solid polymerization products.

2,271,637
THERMALLY CONTROLLED GRINDER HEAD
Ralph P. Garrison and John R. Garrison, Dayton, Ohio
Application February 2, 1938, Serial No. 188,358
16 Claims. (Cl. 51—281)



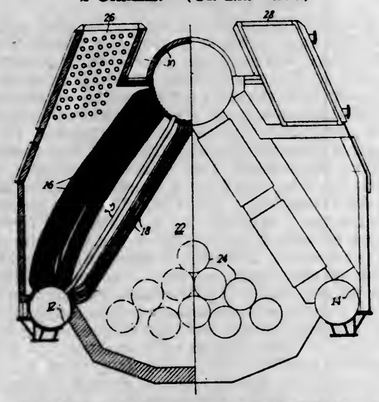
3. The method of minimizing constructional and expansional change and part displacement in a machine wherein fluctuating degrees of heat are developed incident to machine operation with coincident contractional and expansional change in the relative positions and dimensions of the machine parts, which includes supplying heat to the machine parts other than that developed by machine operation and in degrees converse to

the degrees of heat developed by machine operation whereby to maintain a uniform temperature of the machine parts.

2,271,638
GERMICIDE
Howard L. Guest, Roseville, Calif., assignor of seventy-five per cent to L. A. Gunther, Robbins, Calif.
No Drawing. Application December 16, 1940, Serial No. 370,419
4 Claims. (Cl. 167—17)

1. A non-caustic germicide mixture for solution in H_2O comprising $FeCl_2$ and $FeCl_3$ in the ratio of one gram molecular weight of $FeCl_2$ to each two grams molecular weight of $FeCl_3$.

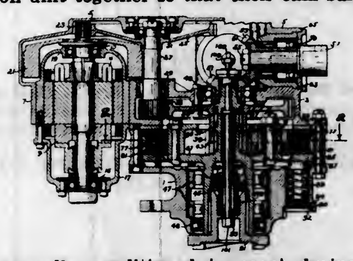
2,271,639
FLUID HEAT EXCHANGE APPARATUS
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application November 19, 1938, Serial No. 241,387
2 Claims. (Cl. 122—235)



2. In fluid heat exchange apparatus, an upper drum, a lower drum, a bank of fluid conducting tubes forming risers connecting the drums and swept transversely by furnace gases, said risers being arranged in rows transversely of the gas stream, and a plurality of other fluid conducting tubes providing downcomers each of which is of an inside diameter at least 50% greater than that of the risers and of uniform flow area throughout its length, said downcomers joining said drums and being disposed intermediately of said bank (front to rear) and being swept by the furnace gases in a manner similar to the risers.

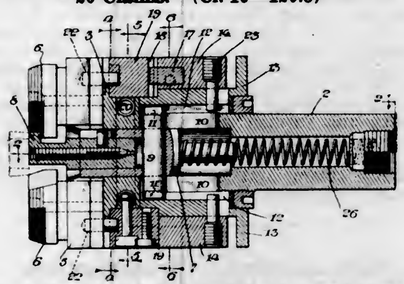
2,271,640
POWER TRANSMISSION DEVICE
Ralph M. Heintz, Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 4, 1940, Serial No. 333,376
10 Claims. (Cl. 74—291)

1. In a planetary gear system of the class described, in combination, a planet gear, a member driven from the planet gear, a reaction ring surrounding the planet gear and spaced therefrom, means supporting the reaction ring, a friction unit comprising complemental parts including a part having teeth meshing with the planet gear, and another part interlocking with the reaction ring, said parts adapted to frictionally engage and being separable for release action, the reaction ring having cam means at an end thereof, a secondary ring associated with the reaction ring at the cam end of the latter and having cam means to cooperate with the cam surfaces of the reaction ring, means for pressing the above mentioned complemental parts of the friction unit together so that their cam surfaces



are normally conditioned to coact during application of torque resisting the movement of the driven member to release the frictional engagement of the said complemental parts of the friction unit, means for holding one of said rings against rotation and for supporting the other ring for rotation relative thereto, said reaction ring and the complemental parts coacting therewith constituting gear elements of the planetary gearing.

2,271,641
DIE FOR CUTTING TAPER THREADS
William J. Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application June 22, 1940, Serial No. 341,878
20 Claims. (Cl. 10—120.5)

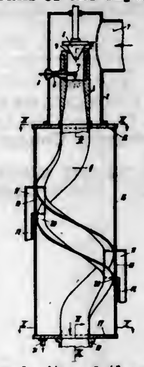


1. A threading tool for cutting tapered threads comprising a body member having radially shiftable chasers carried thereby, a member rotatable and axially shiftable relative to said body member, and a member rotatable with said last member and cooperating with said chasers for shifting the chasers gradually and rotatable independently thereof for rapidly shifting the chasers upon the axial shifting of said rotatable member.

2,271,642
METHOD AND APPARATUS FOR PURIFYING GASES
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application December 24, 1937, Serial No. 181,562
In Germany December 28, 1936
22 Claims. (Cl. 62—122)

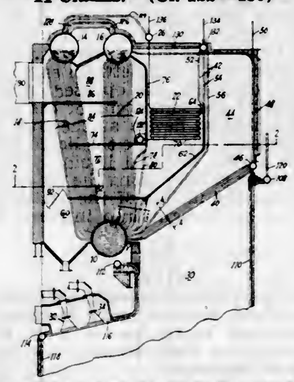
1. Apparatus for the purification of gases by

removal of suspended particles contained therein, comprising a conduit for the gas to be purified, an expansion nozzle in such conduit, a nozzle for introducing a precipitating fluid into the gas stream at a point at which the gas has been accelerated by means of the expansion nozzle above



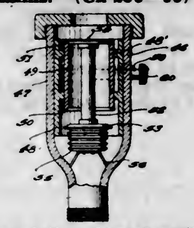
the admission velocity of the precipitating fluid into the gas stream, and a curvilinear channel connected to the expansion nozzle and having openings at the outer portion thereof toward which the fluid-loaded particles are thrown, for effecting discharge of the so separated fluid precipitates.

2,271,643
FLUID HEAT EXCHANGE APPARATUS
David S. Jacobus, Montclair, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 21, 1938, Serial No. 186,017
11 Claims. (Cl. 122—480)



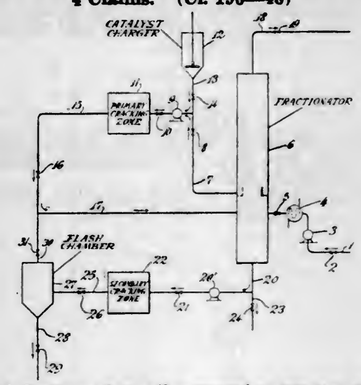
1. In a water tube steam boiler, a plurality of upper drums, means forming a submerged lower chamber, banks of tubes connecting the drums with said chamber, a furnace, a superheater in front of the bank of tubes connecting the forward upper drum with said chamber and positioned at a level intermediate the levels of the chamber and said forward drum, the furnace delivering hot gases to the space beneath the superheater, screen tubes extending across the path of furnace gases at a position between the furnace and the superheater, means for connecting the screen tubes into boiler circulation, baffles forming two separate gas paths for the travel of the gases in parallel from a position forwardly of the superheater to a position beyond the first bank of tubes, one of said gas paths constituting a superheater by-pass and leading from the gas space beneath the superheater over some of the water tube surface provided by said tubes, and a regulator located rearwardly of said tube surface and at the outlet of said by-pass.

2,271,644
THERMOSTATIC VALVE
Isaac M. Jaynes, Jackson, Tenn.
Application January 14, 1941, Serial No. 374,386
4 Claims. (Cl. 236—93)



1. In a device of the class described, a valve including a casing, a lining disposed within the casing and provided with guide ribs, a housing slidably mounted on said guide ribs and provided with oppositely disposed valve seats, a valve stem mounted for vertical movement within the housing and provided with valves cooperating with the valve seats, means operatively connected with the housing for adjusting said housing relative to the valves, and a thermostat operatively connected with one of said valves.

2,271,645
CATALYTIC CRACKING OF HYDROCARBONS
Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 22, 1940, Serial No. 314,943
4 Claims. (Cl. 196—48)



1. A hydrocarbon oil conversion process which comprises introducing the charging oil to a fractionating zone and therein fractionating the same together with cracked products, formed as hereinafter set forth, to form a gasoline-containing overhead product, a residual fraction containing unvaporized charging oil, and a condensate fraction boiling intermediate said overhead product and residual fraction, commingling a powdered cracking catalyst with said intermediate condensate fraction and subjecting the resultant mixture to catalytic cracking conditions, introducing

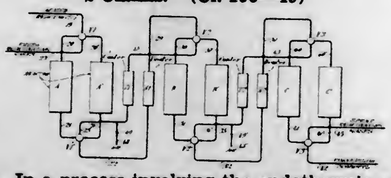
the resultant conversion products and admixed catalyst to the fractionating zone, thereby commingling the catalyst with said residual fraction, removing the admixed residual fraction and catalyst from the fractionating zone and subjecting the same to independently controlled cracking conditions, separating the products of the last-mentioned step into vapors and residue, and supplying the separated vapors to the fractionating zone.

2,271,646

CONTROL OF CONTACT CATALYTIC REACTIONS

Louis S. Kassel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 17, 1939, Serial No. 274,178
2 Claims. (Cl. 196—49)



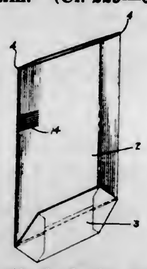
1. In a process involving the endothermic conversion of a stream of heated hydrocarbons in contact with a mass of catalytic material which promotes the desired endothermic reaction, wherein heavy deleterious products of said reaction are deposited on the catalytic material and said deleterious products are periodically removed from said mass to renew its catalytic activity, the latter step involving an exothermic reaction, the improvement which comprises passing a heated stream of said hydrocarbons in series through a plurality of separate beds of said catalytic material, reheating said stream as it passes from each bed of the series to the next succeeding bed, periodically discontinuing the passage of hydrocarbons through said beds and reactivating the catalyst by passing an oxygen-containing gas serially through the catalyst beds, and cooling and adding oxygen to said gas intermediate the successive beds.

2,271,647

PAPER BAG

Harold V. Kindseth, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri

Application March 10, 1938, Serial No. 195,083
1 Claim. (Cl. 229—62)



A paper bag particularly for comminuted materials, comprising a bag body composed of a plurality of walls and upper folding portions integral with said walls for closing the bag, at least a portion of a wall of the bag body and its upper folding portion having a plurality of closely spaced and parallel horizontally extending crimps defining an area of linear scores within the range of the level of the material to be packed in the bag body to facilitate the closing of the bag along one of the score lines into a uniform and neatly closed bag with the perimeter of the closed bag symmetrical about the top of the median plane of the bag body.

2,271,648

LIQUID COOLING DEVICE

Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois

Application May 28, 1937, Serial No. 145,358
7 Claims. (Cl. 257—187)



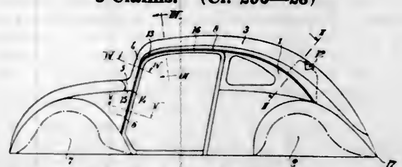
1. A liquid cooling device comprising two opposed plates having substantially plane outer surfaces and separated by a space and being inclined with relation to the vertical to form two oppositely inclined plane surfaces, the plates being more widely separated at the bottom than at the top, a pipe through which a refrigerant is passed, extending back and forth between said plates in a horizontal direction, the opposed inner faces tightly engaging the same bend of the pipe, and a liquid distributing device at the tops of said plates, arranged to distribute the liquid along the tops of the plates, the said liquid to be cooled passing down by gravity along the outer surfaces of said plates, the incline of the plates causing the liquid to be brought into intimate contact therewith.

2,271,649

VEHICLE BODY CONSTRUCTION

Erwin Komenda, Korntal, near Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany

Application October 27, 1938, Serial No. 237,164
In Germany October 29, 1937
3 Claims. (Cl. 296—28)



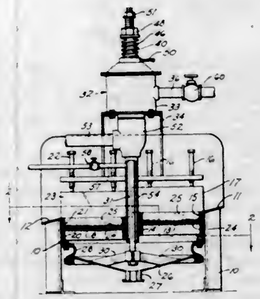
1. In a vehicle body, a sheet metal top, a sheet metal side wall, an outwardly and upwardly extending fold formed from the lower edge of said top and the upper edge of said side wall, the upper edge of said wall being shaped as an outwardly displaced, upwardly extending flange over and around which the lower edge of said top is bent to form a channel serving as a rain gutter and longitudinal strengthening beams for said body, and a sheet metal transverse wall terminating at the inner joint between said top and side wall, and means screened on the outside by the upwardly extending portion of said fold for interconnecting the edge of said transverse wall with the edge of said top.

2,271,650

JIG

Max Kraut, San Francisco, Calif.

Application September 6, 1938, Serial No. 228,518
4 Claims. (Cl. 209—455)



2. A jig comprising in combination: a stationary screen; a permeable bed of particles supported by said screen; a pan positioned below said screen; an expansible connection between said pan and said screen, whereby is formed an enclosed space of variable volume between said pan and said screen; a water-driven motor positioned above said bed; a pipe connected to the discharge of said water motor, said pipe extending through said bed and having an outlet in said enclosed space of variable volume; and a member connected to said pan and passing through said pipe, said member being connected to a movable part of said water-driven motor for reciprocation thereby in a vertical direction.

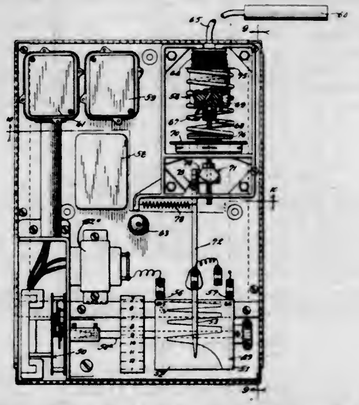
2,271,651

HEAT CONTROL APPARATUS

Henry T. Kucera, Oak Park, Ill.

Application December 28, 1935, Serial No. 57,449
17 Claims. (Cl. 236—46)

1. Heat control apparatus comprising heating means, timing mechanism, and electrically controlled means for securing alternating periods of activity and quiescence in the heating means comprising a rotatable element actuated by said timing mechanism, electrical conducting areas alternately disposed upon the surface of said rotatable element so as to provide means for alternately controlling the periods of activity and quiescence of the heating means, an adjustable contact element mounted to engage the said areas upon said rotatable element, temperature responsive means, and means co-actively related with said contact element and said temperature responsive means comprising a cam arranged for rotational and longitudinal movement whereby the rotation of said cam will render a different segment of the cam surface effective for operation through longitudinal movement thereof, a relay having a solenoid, and an electric circuit including said solenoid, said contact element, a



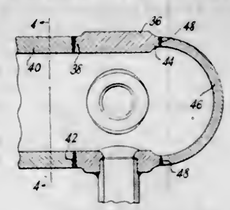
conducting area of said rotatable element, and said electrically controlled means.

2,271,652

WELDED PRESSURE VESSEL

Ivar L. Langvand, Barberton, and Cecil H. Gay, Akron, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application July 1, 1939, Serial No. 282,466
6 Claims. (Cl. 122—365)



1. In a drum adapted to withstand high fluid pressures, a main body portion provided with a plurality of small diameter tube seats for lateral tube connections, a dished end section adapted to close the end of the drum, and an intermediate annular section of a wall thickness greater than that of the main body portion and also greater than the wall thickness of the end section, said intermediate section being provided with a large diameter access opening, said end section being united with one end of the intermediate section and in axial alignment therewith by a girth weld, said main body portion being also circumferentially welded to the other end of the intermediate section and in axial alignment therewith.

2,271,653

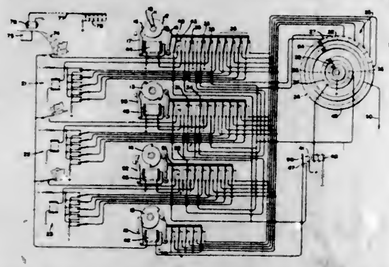
DIVIDED MULTIPLEX CHANNEL

Edward S. Larson, Chicago, and Albert H. Reiber, Evanston, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application March 13, 1939, Serial No. 261,444
20 Claims. (Cl. 178—52)

1. The method of operating a telegraph system which comprises the steps of selecting a destination for a message by transmitting a permutation code signal over a communication channel,

transmitting a permutation code signal representing a character of the said message over

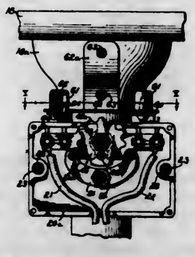


another channel, and repeating the described two steps for each character of said message.

2,271,654
MERINGUE MIXTURE
Verne D. Littlefield, Beverly Hills, Calif., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 27, 1938, Serial No. 248,066
4 Claims. (Cl. 99—139)

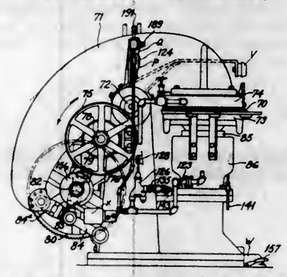
1. A meringue composition containing a small amount of added lactic acid.

2,271,655
SIGNAL SWITCH
Milan E. Matheson and William J. Kruder, Chicago, Ill.; said Kruder assignor to said Matheson
Application May 1, 1939, Serial No. 271,058
6 Claims. (Cl. 200—59)



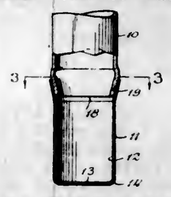
1. A switch box for a turn signal which comprises a pair of mating half-box sections, a metal conductor strip in one of said box sections, said strip having a central aperture therethrough and having a gap below said aperture, a pair of longitudinally spaced conductor strips in the other of said box sections aligned transversely with said first mentioned strip in spaced opposed relation therefrom, an axle extending transversely through said box and through the aperture in said first mentioned strip and the space between said longitudinally spaced strips, a wheel mounted on said axle in the space between the opposed strips, a contact point on said wheel having a length greater than the distance between the spaced opposed conductor strips, and means for rotating said wheel to move the contact member out of said gap and out of the space between the longitudinally spaced strips to bring the member between the strips for biasing the strips outwardly to establish firm electrical connections therebetween.

2,271,656
PRESS
George E. McLaughlin, Brookline, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application May 27, 1940, Serial No. 337,501
54 Claims. (Cl. 149—23)



1. In a press, an upper platen, a lower platen, one of said platens being movable relatively to the other and one of the platens having a heated work contacting surface, mechanical means operative to cause relative movement of the platens, hydraulic means comprising a piston cylinder and a piston to move the movable platen toward the other platen, a low range pressure governor in the hydraulic circuit, a pump arranged to be continuously operated to circulate a pressure medium through said circuit whereby a work piece engaged by both platens is subjected to heat at a low pressure built up to a selected point under control of said low range pressure governor, and electrical means including said pressure governor and comprising a manually operable member for securing operation of both the mechanical and hydraulic means in timed relation to each other to effect rapidly repeated operations of the press in the full automatic cycle.

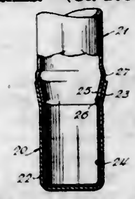
2,271,657
LUMINOUS SIGN ELECTRODE
Samuel C. Miller, New York, N. Y.
Application February 12, 1938, Serial No. 190,230
8 Claims. (Cl. 176—126)



1. In a luminous discharge device including a glass tubing envelope, drawn adjacent one end section to a substantially uniform diameter, said end section whereof includes sealed thereto a substantially cylindrical, cup-shaped metal electrode of heat resisting chromium steel drawn to substantially uniform thickness having a portion thereof adjacent the mouth normally displaced and to which displaced portion the glass is sealed in wiping lap-joint contact, the direction and extensiveness of said displaced portion providing a sealed portion making a juncture compensating for a wide tolerance in the glass tubing by being displaced at an angle in respect of the walls of the electrode, the electrode exposing on the interior surface an effective area for long life maintenance, the diameter of the glass tubing being of a size at least a portion of which is within the

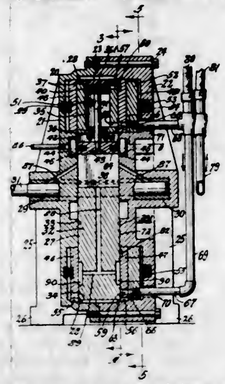
minimum displaced portion of the electrode, whereby the electrode and tubing are coaxially aligned by the said lap joint.

2,271,658
LUMINOUS SIGN ELECTRODE CONSTRUCTION
Samuel C. Miller, New York, N. Y.
Application December 1, 1938, Serial No. 243,308
10 Claims. (Cl. 176—126)



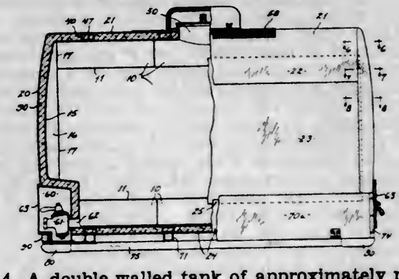
3. An electrode for a fluorescent neon tube comprising a substantially uniformly drawn shell having a mouth portion defined by angularly directed walls for forming on one surface of said walls a lap joint for a glass-to-metal seal, said shell being made of a metal whose coefficient of expansion is such that it is readily bonded to glass by a lap joint sealing operation, and a liner on the interior of said shell made of a material adapted to serve as the active electrode surface of a neon tube and not deleteriously affecting the fluorescent material embodied in said tube in the presence of active gases or vapors employed to induce a fluorescent effect in operation of said tube, said liner extending in the direction of the walls of said angularly formed mouth portions whereby completion of the seal at the said walls of said mouth portion will also complete a seal with respect to the said liner to protect the fluorescent tube from the deleterious effect of the metal of said shell.

2,271,659
ROTARY ENGINE
Frank Moeser, Snyder, N. Y.
Application June 4, 1940, Serial No. 338,769
6 Claims. (Cl. 121—59)



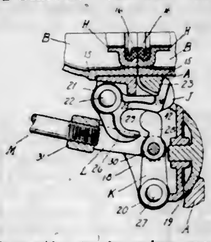
5. A rotary engine comprising a rotary drum provided with a radial cylinder, outer and inner ports communicating with the outer and inner ends of said cylinder and a radial guideway adjacent to the inner end of said cylinder, a frame on which said drum is journaled and which is provided with an endless cam groove arranged eccentrically relative to the axis of the drum, a piston rod connected with said pitson and extending through a stuffing box on the inner head of said cylinder, a cross head slidable radially in said guideway and connected with the inner end of said piston rod, a thrust roller mounted on said cross head and engaging with said cam, and means for alternately supplying live pressure medium to said ports and exhausting the spent medium therefrom.

2,271,660
DEMOUNTABLE FREIGHT CONTAINER FOR LIQUIDS
Ragnar A. Norbom, Clifton, N. J., assignor, by mesne assignments, to National Fitch Corporation, New York, N. Y., a corporation of Delaware
Application January 4, 1938, Serial No. 183,273
4 Claims. (Cl. 220—9)



4. A double walled tank of approximately rectangular cross-section but with all walls bowed outwardly, the plates of the inner shell being connected by butt joints welded together, the plates of the outer shell having lap joints welded together, brace bars of channel form between the shells, each brace bar being composed of four bars mounted end to end and respectively associated with the top, the bottom, and the two sides, said bars meeting adjacent the corners of the tank and there connected by straps between the shells, a flat strap on the inner side of the outer shell curved about the corner opposite the channels, insulation between the shells, and insulation within the channels between the straps and the base of the channels.

2,271,661
AUTOMATIC TRAIN PIPE CONNECTOR
Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin
Application December 10, 1938, Serial No. 244,932
4 Claims. (Cl. 285—58)



1. An automatic train pipe connector comprising, in combination, a coupling head, a support therefor, a lock for locking said head to a companion head with an automatic take-up clamping action, and automatic means for oper-

ating said lock and for effectuating said automatic take-up, said means including a plunger and a lock-to-the-lock device actuated by said plunger and which positively prevents said lock creeping from the closed position towards the open position and which automatically moves the lock inwardly from the normal closed position to take up wear on the parts as wear occurs.

2,271,662

FILTERING ELEMENT AND NEW METHOD FOR ITS MANUFACTURE

George Alexis Rubissow, New York, N. Y.

Application January 17, 1939, Serial No. 251,362
6 Claims. (Cl. 210—169)



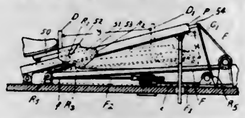
1. The method of manufacturing a filter element which comprises placing a plurality of metallic wires having a coefficient of linear expansion of at least 0.00001 per 1° centigrade and a diameter of at least 0.005 mm in a common plane and in parallel relation with each of said wires in contact with an adjacent wire throughout substantially its entire length, heating said wires to a temperature of at least 50° C., placing a plurality of transverse wires having a relatively low coefficient of expansion transverse to the first mentioned wires and in contact therewith in a plane parallel to the plane of the first mentioned wires, welding the transverse wires to the first mentioned wires while at substantially the said temperature, the coefficient of expansion of the transverse wires being so low that their decrease in length when cooled does not substantially decrease the distance between the first mentioned wires.

2,271,663

THROTTLE ACTUATING DEVICE

George A. Rubissow, New York, N. Y.

Application September 6, 1940, Serial No. 355,586
10 Claims. (Cl. 74—513)



1. In combination with the accelerator pedal of a vehicle, a guide-means rigidly affixed in respect to the said accelerator pedal, a pusher-member provided on the said accelerator pedal, a flexible connection operatively interconnected with the said accelerator pedal and the said pusher-member, whereby when the said pusher-member is pushed to and fro, the said accelerator pedal is actuated.

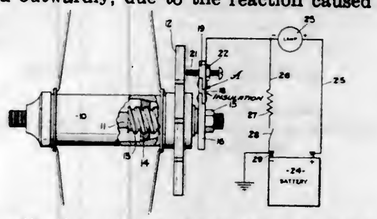
2,271,664

BICYCLE STOP SIGNAL

Dominic Joseph Sarchino, Brooklyn, N. Y.

Application March 20, 1940, Serial No. 325,031
3 Claims. (Cl. 177—337)

2. Means for operating the stop light for a bicycle having a sprocket, a coaster brake and a rear axle on which the said sprocket is mounted, the sprocket being movable slightly inwardly and outwardly on said axle by the release and the application of the brake, said means comprising a support mounted upon the rear axle, a contact adjustably mounted in the said support and insulated from the said axle and adapted to be engaged by the sprocket when the latter is moved outwardly, due to the reaction caused by



the application of the brake, and an electric circuit including the said stop light, the said contact, and the said sprocket.

2,271,665

PROCESS FOR REMOVING ALKYL SULPHIDES FROM SWEETENED HYDROCARBON FLUIDS

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application February 12, 1940, Serial No. 318,648
5 Claims. (Cl. 196—28)

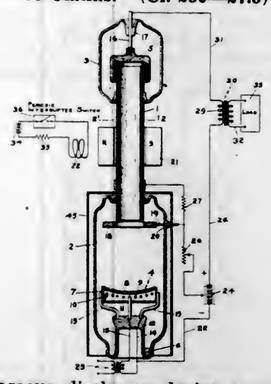
1. The process for removing alkyl sulphides from sweet hydrocarbon fluids which comprises contacting said hydrocarbon fluids in a substantially dehydrated condition with a reagent containing a substantial proportion of substantially anhydrous cupric chloride.

2,271,666

CONTROLLED ELECTRICAL DISCHARGE DEVICE

Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application August 27, 1940, Serial No. 354,386
15 Claims. (Cl. 250—27.5)



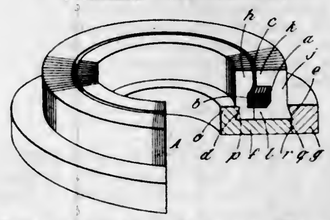
1. A gaseous discharge device comprising an envelope containing an ionizable gaseous atmosphere, a conductive electrode having a restricted aperture therethrough, means for maintaining an ionizing discharge in said atmosphere through said restricted aperture, the pressure of said atmosphere being sufficiently low to produce appreciable limitation of current flow through said aperture, means for directing the flow of electrons in said discharge in an axial direction through said aperture to substantially decrease said limitation, and means for maintaining said electrode at a predetermined potential.

2,271,667

ELECTROACOUSTIC TRANSMITTER AND THE LIKE

Donald Orr Sproule, London, England, assignor of one-third to Arthur Joseph Hughes, Essex, England, and one-third to Henry Hughes & Son Limited, London, England, a British company

Application May 1, 1939, Serial No. 271,025
In Great Britain May 4, 1938
7 Claims. (Cl. 177—386)



6. In an electroacoustic motor, the combination of a series of bifurcated thin laminae having spaced apart limbs arranged in the form of an annulus with said limbs directed radially of said annulus, a second series of laminae spanning the gap between and in alignment with the limbs of said bifurcated laminae with one end of each laminae of said second series in contact with one limb of each bifurcated lamina and the other end adjacent to and spaced from the other limb of said bifurcated lamina to form an air gap, relatively inclined portions on the outer edges of the lamina of both series and a pair of interengaging members having surfaces complementally inclined with relation to and engaging the inclined portions on said laminae for retaining the latter in said annular form.

2,271,668

POLYVINYL ACETAL RESIN

Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 15, 1939, Serial No. 262,069. In Great Britain March 22, 1938
2 Claims. (Cl. 260—73)

2. A polyvinyl acetal resin containing a hydroxyl group content equivalent to not more than about 15% by weight of polyvinyl acetate and an acetate group content equivalent to not more than about 5% by weight of polyvinyl acetate, about 60 mole per cent of the acetal groups in the resin being acetaldehyde acetal groups and the remainder of the acetal groups being isobutyraldehyde acetal groups.

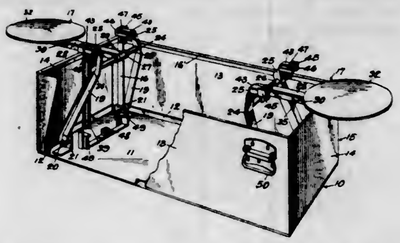
2,271,669

PACKING CHEST

Galen M. Taylor, Cooper, Tex., Lewis R. Bradshaw, Herndon, Va., and Samuel G. Green, Gray, Ga.

Application January 4, 1940, Serial No. 312,382
6 Claims. (Cl. 190—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a combined packing chest and seat support, a chest having a body portion open at its top, a bracket member pivotally mounted within the chest, a seat, a post connecting the seat to the bracket member for pivotal movement relative thereto, the length of the bracket member extending from its pivotal mounting within the chest to the pivotal connection with said post being so related to the chest that said bracket member may be pivoted to a position where the post may be engaged with the top edge of said



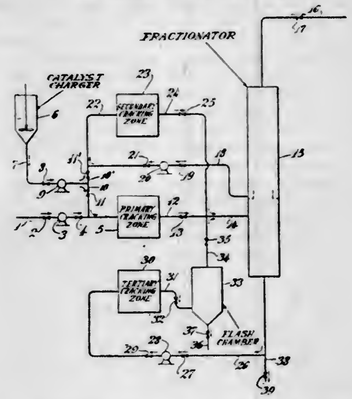
body portion with the seat substantially horizontally disposed, and means for securing the bracket member and post in position with said seat substantially horizontally disposed.

2,271,670

CATALYTIC CRACKING OF HYDROCARBON OIL

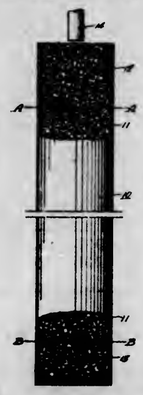
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 22, 1940, Serial No. 314,947
5 Claims. (Cl. 196—49)



1. A hydrocarbon oil conversion process which comprises subjecting the oil to catalytic cracking conditions in admixture with powdered cracking catalyst, introducing the resultant products to a fractionating zone and therein separating a gasoline-containing overhead product, a residual fraction containing said catalyst, and a condensate fraction boiling intermediate said overhead product and residual fraction, commingling additional powdered cracking catalyst with said intermediate condensate fraction and subjecting the resultant mixture to independently controlled catalytic cracking conditions, introducing the products of the last-mentioned step to the fractionating zone for fractionation therein together with the first-mentioned products, removing the catalyst-containing residual fraction from the fractionating zone and subjecting the same to catalytic conversion independently of the first-named oil and said intermediate condensate fraction, separating the resultant products into vapors and residue, and supplying the separated vapors to the fractionating zone.

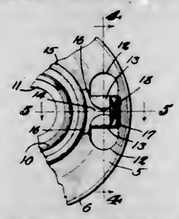
2,271,671
FRACTIONAL DISTILLATION
Joseph P. Wible, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application March 18, 1939, Serial No. 262,647
12 Claims. (Cl. 261—94)



1. A method for fractionating a fluid mixture in a fractionating column, comprising intimately and counter-currently contacting ascending vapors and descending liquid reflux in a fractionating zone of said column, said fractionating zone having phase contacting means with a predetermined average free space, and disengaging said ascending vapors and said descending liquid reflux in a phase disengaging zone adjoining the top of said fractionating zone, said phase disengaging zone having phase contacting means with an average free space greater than that of said fractionating zone.

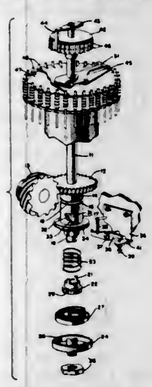
5. Apparatus comprising a fractionating column, phase contacting means in said column, said phase contacting means having a predetermined average free space throughout the main portion thereof and having a top portion with an average free space greater than that of said main portion, means for delivering vapors to said column for upward flow through said main portion and then through said top portion, and means for delivering liquid to said column for downward flow through said top portion and then through said main portion.

2,271,672
FLASHLIGHT
Si L. Yen (Yen Si Liang), Victoria, Hong Kong
Application July 5, 1939, Serial No. 282,887
2 Claims. (Cl. 240—10.66)



1. A flash-light including a casing, a disk seated in one end thereof, a bulb-holding and shielding sleeve extending from the center of the disk, opposed ears on the disk and arranged in pairs, a plate gripped and held by the ears of each pair, said plate being radially disposed relative to the sleeve, cooperating means on the disk and plate for holding the plate against lateral swinging movement relative to the ears engaging the plate, and a resilient tongue at one end of each plate cooperating with the sleeve to grip a bulb when interposed between the sleeve and tongue, said cooperating means on the disk and plate, in conjunction with the ears, providing means for holding the plate and the tongue thereon against movement away from the sleeve, a lens-holding sleeve detachably connected to the casing, and a reflector within and cooperating with the sleeve to provide an annular space proportioned to receive bulbs engaged by the respective tongues.

2,271,673
POWER TRANSMITTING APPARATUS
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 24, 1938, Serial No. 231,482
24 Claims. (Cl. 178—34)

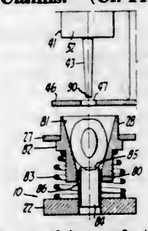


1. In a power transmitting device, a driving element, an element to be driven therefrom under controlled conditions, a positive clutch member associated with said driving element, a positive clutch member associated with said element to be driven and engageable with said first mentioned clutch member, means for disengaging the second mentioned clutch member from the first mentioned clutch member following arrestment of said element to be driven in any position thereof, and means for holding the second mentioned clutch member in the angular position of disengagement and arrestment.

2,271,674
2 - KETO - 1,2,3,4 - TETRAHYDRONAPHTHALENES AND A METHOD FOR PRODUCING THEM
Hans Andersag and Walter Salzer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 16, 1939, Serial No. 274,008. In Germany May 17, 1938
15 Claims. (Cl. 260—590)

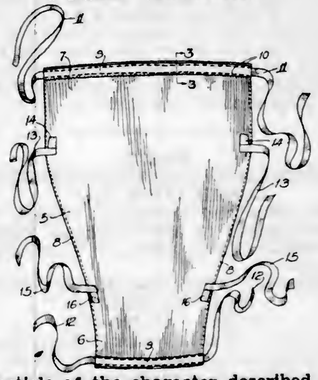
1. 2-keto-1, 2, 3, 4-tetrahydronaphthalenes which in the 1-position are linked to a carbon atom of an organic radical selected from the group consisting of the alkyl-, aminoalkyl- and aliphatically bound phenyl-radicals.

2,271,675
OLIVE PITTER
George W. Ashlock, Jr., Oakland, Calif.
Application November 26, 1940, Serial No. 367,164
15 Claims. (Cl. 146—27)



1. A pitting machine of the character described comprising a succession of carriers arranged as a substantially endless belt and movable over a path including a pitting station, each carrier including a receptacle having an opening in the bottom of the article supporting cavity provided by said receptacles, a tubular knife, means positioning said knife adjacent said receptacle opening, means for moving said knife relative to said receptacle adjacent to said pitting station to cut an article in said receptacle, a plunger at said pitting station, and means for moving said plunger to enter said cavity toward said tubular knife and force a core into said knife.

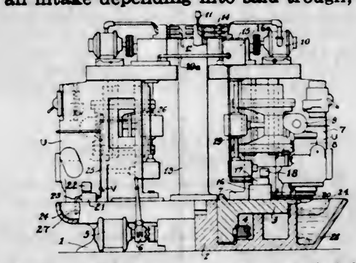
2,271,676
DIAPER
Elna Bjornbak, Inglewood, Calif.
Application November 24, 1939, Serial No. 305,974
1 Claim. (Cl. 128—284)



An article of the character described, having anterior and posterior waist portions, said anterior portion being shorter than said posterior portion, said waist portions each having a hem, a tie slidably positioned in each of said hems, and a plurality of ties secured adjacent the edge portions intermediate said waist portions.

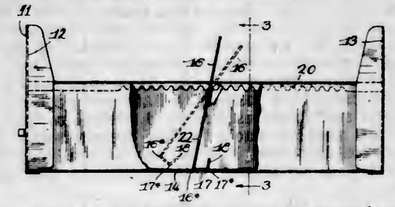
2,271,677
FLUID CIRCULATING SYSTEM
Hosea T. Bradner, Shaker Heights, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1937, Serial No. 175,279
8 Claims. (Cl. 90—4)

1. In a machine tool comprising a stationary base, a rotatable support mounted thereon, and a machine unit carried by said support, the base being formed to include an annular trough, a pump carried by said rotatable support and having an intake depending into said trough, means



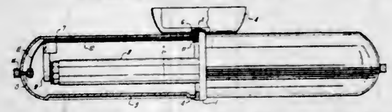
for driving said pump, a sweep carried by said support and depending into said trough in advance of said intake, and a conduit from said pump to said machine unit.

2,271,678
FOLLOWER PLATE FOR FILING CASES AND THE LIKE
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application December 15, 1939, Serial No. 309,338
1 Claim. (Cl. 129—31)



In a drawer for filing cases, said drawer having side and bottom walls and being open at the top, means providing depending flanges with longitudinally spaced notches at the tops of said side walls and spaced from the proximate faces of said side walls, a follower plate provided with laterally extending shoulders engageable with the notches in said depending flanges and a shoe engageable with the bottom wall of said drawer, said shoe including a yielding flange extending at an angle to said plate, said angle being such that the free edge of said flange will first contact the bottom wall of said drawer to provide yielding contact with said bottom wall, and said shoulders and shoe being spaced so that said shoulders will be engaged in said notches when said shoe is wedged against the bottom wall of said drawer.

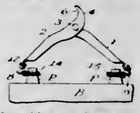
2,271,679
LIGHTING FIXTURE
Hugh J. Claspy, Monaca, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 359,699
2 Claims. (Cl. 240—78)



1. In a lighting fixture for fluorescent lamps having a ballast, a housing for said ballast, a bracket extending outwardly from said housing

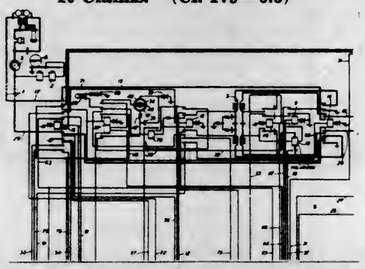
and attached thereto, a support for fluorescent lamps secured to said bracket and extending substantially in a horizontal plane, a plurality of translucent lighting enclosures or shades mounted beneath the ballast housing with their inner ends in the bracket, and means extending through the outer ends of said enclosures for attaching the enclosures to the ends of the support.

2,271,680
COMBINATION TOOL
George F. Colley, Augusta, Ga., assignor to The Battery Tool Corporation, Augusta, Ga., a corporation of Georgia
Application April 29, 1940, Serial No. 332,376
4 Claims. (Cl. 294—92)



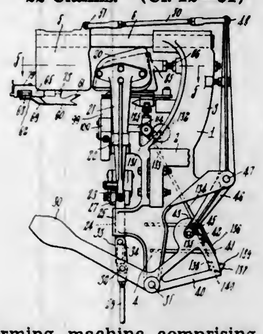
1. In a combination storage battery tool and carrier having a pair of pivoted levers of which corresponding short ends of said levers are formed as coacting jaws and corresponding long ends of said levers are formed as handles, flattened portions associated with the free ends of said handles, the longitudinal plane of each of said flattened portions being substantially perpendicular to the longitudinal plane of said handles, a storage battery carrier plate associated with each of said handles and adapted to frictionally engage a battery terminal post, and a flexible non-conducting element connecting each carrier plate to a respective flattened portion to position said handles and said plates in spaced relation whereby each flexible element and its connected flattened handle portion and carrier plate are in co-planar relationship to one another.

2,271,681
TELEPHONE SYSTEM
John Davidson, Jr., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1939, Serial No. 289,518
10 Claims. (Cl. 179—6.3)



1. In a telephone system, a pay station line, a coin receiving device at said pay station, a subscriber's line, an operator's position, an automatic switch, means responsive to the deposit of a coin in said device for extending said pay station line to said automatic switch, an impulse sender at the pay station for transmitting impulses to directively operate said automatic switch to extend a call either to said subscriber's line or to said operator's position, an auxiliary switch also responsive to said impulses for discriminating between calls to said subscriber's line and calls to said operator's position, and a coin control mechanism responsive to said auxiliary switch for automatically refunding a coin deposited in said receiving device.

2,271,682
COUNTER FORMER
Milton L. Dodge, Newburyport, Mass.
Application April 12, 1939, Serial No. 267,432
22 Claims. (Cl. 12—51)



1. A forming machine comprising an inside shoe supporting form, outside pressing mechanism including side pressing members and a back presser member for pressing the upper of a shoe positioned over said form against said form, means supporting said form and pressing mechanism for relative motion lengthwise of a shoe on said form, to bring said form into and out of pressing alinement with said side pressing members and against said back pressing member, said form when out of pressing alinement being accessible for placing or removing a shoe with respect to said form, and means actuable by a single motion to first move said form and mechanism into pressing alinement and then to actuate said mechanism to press the upper of a shoe on said form against said form.

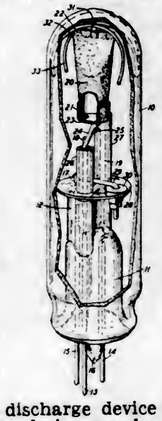
2,271,683
PROCESS OF MANUFACTURING LUBRICATING OILS
Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
No Drawing. Application March 25, 1940, Serial No. 325,812
1 Claim. (Cl. 196—13)

In the art of extracting naphthenic compounds from lubricating oil stocks, the method which comprises mixing a lubricating oil stock with a solvent comprising 2-pentanone, 4-hydroxy, 4-methyl, and diethylene glycol, dissolving naphthenic components of said stock in said solvent, separating the resultant solution from the more paraffinic components of said lubricating oil stock, and separating the solvent from said solution.

2,271,684
PROCESS OF DEHYDRATING 2-PENTANONE, 4-HYDROXY, 4-METHYL
Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application March 25, 1940, Serial No. 325,814
2 Claims. (Cl. 260—594)

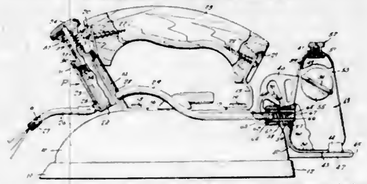
1. The process of separating 2-pentanone, 4-hydroxy, 4-methyl from water which comprises mixing the water and 2-pentanone, 4-hydroxy, 4-methyl with methylene dichloride, separating the resultant solution from the water, and distilling the methylene dichloride from the 2-pentanone, 4-hydroxy, 4-methyl.

2,271,685
GASEOUS GLOW DISCHARGE DEVICE
Sture O. Ekstrand, Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1940, Serial No. 338,883
9 Claims. (Cl. 250—27.5)



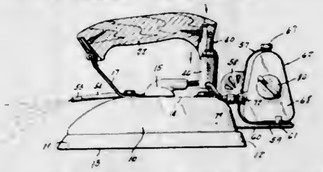
1. A glow discharge device comprising a gas-filled vessel enclosing an elongated hollow cathode having a contracted end portion axially supported therein, an anode adjacent said cathode and adapted to produce a luminous glow visible through the end of said vessel, and a resilient wire member supported by said contracted end portion and engaging the wall of said vessel.

2,271,686
COMBINATION FLATIRON AND CLOTHES DAMPENER
Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application August 29, 1939, Serial No. 292,414
5 Claims. (Cl. 38—78)



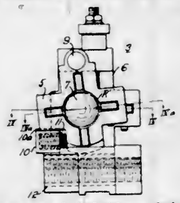
4. In combination, a flatiron comprising an iron body including a nose and a heel, front and rear brackets upstanding from the body, and a handle carried by said brackets, and clothes dampening mechanism comprising a bracket at the heel of said iron, a water reservoir carried by said last mentioned bracket, said reservoir including an air vent and being provided with means for refilling the same, a conduit connected to said reservoir and extending forwardly of the iron, a one-way check valve associated with the connection of the conduit to the reservoir, a pump of the cylinder and piston type carried by the front handle supporting bracket, said conduit being connected to the cylinder of said pump, a spray nozzle positioned over said nose of the iron, a conduit connecting said spray nozzle to the cylinder of said pump, and a one-way check valve for said last mentioned conduit associated with said spray nozzle.

2,271,687
COMBINATION FLATIRON AND CLOTHES DAMPENER
Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application August 29, 1939, Serial No. 292,415
4 Claims. (Cl. 38—78)



4. In combination, a flatiron comprising an iron body having a nose and a heel, a front handle supporting bracket upstanding from the iron body, a handle pivoted to said bracket and extending towards said heel, spring means normally maintaining said handle in an upraised position, a clothes dampening mechanism comprising a pump interposed between the free end of said handle and the iron body, a water reservoir at the heel, a flexible conduit connecting said water reservoir and said pump, a spray nozzle at the nose, and a flexible conduit connecting said pump and spray nozzle.

2,271,688
VARIABLE SPEED FRICTION DRIVE
John S. Forster, Pittsburgh, and Seymour W. Herwald, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 8, 1941, Serial No. 373,681
10 Claims. (Cl. 74—198)



1. A variable speed friction drive comprising a rigidly mounted disk shaped driving member, a rigidly mounted cylindrical driven member, and means interposed between said members for transferring motion therebetween comprising a pair of races pivotally mounted with respect to each other, each containing a ball, said balls being normally in contacting relationship along a line forming an acute angle with respect to a line perpendicular to the surface of said disk, spring means which biases one race with respect to the other so as to tend to decrease said angle, thus maintaining continuous driving engagement between said driving member, balls and driven

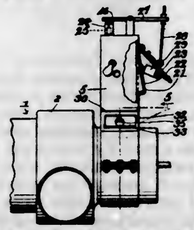
member, and means for adjustably moving said pair of races radially of said disk thereby, obtaining variable speed ratios of transmission.

2,271,689
ILLUMINATED DISPLAY SIGN
Edward M. Fritz, Grand Rapids, Mich., assignor to Grand Rapids Cabinet Company, Grand Rapids, Mich., a corporation of Michigan
Application August 30, 1939, Serial No. 292,603
5 Claims. (Cl. 40—132)



5. In a display device of the character described, a hollow upright frame structure defining spaced walls having opposed openings therein, an upwardly opening groove adjacent the bottom of each opening, translucent display panel inserts for respectively closing said openings, each of said panels when disposed with its upper edge margin behind the wall at the top of its associated opening being upwardly shiftable edgewise to enable disposition and seating of its lower edge margin in the groove at the bottom of the opening, and a retaining member common to said panels having yieldable end portions, said end portions being angularly disposed relative to the faces of said panel and respectively associated with the rear upper edge margins of the panels for pressing the same laterally against their associated walls and deflecting the same downwardly so that the lower edge thereof is in a completely seated portion in the upwardly opening groove.

2,271,690
OIL BURNER ACCESSORY
John Goffredo, Roseto, Pa.
Application July 7, 1939, Serial No. 283,265
2 Claims. (Cl. 137—139)

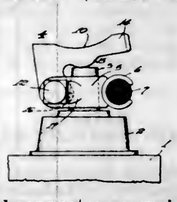


1. An accessory of the character described comprising a casing, an upstanding hood on the casing defining an air chamber, said hood including an upright wall having an air entrance, a door hinged across the top of said entrance and adapted to gravitate to a closed position thereover, electromagnetic door-operating means mounted on the hood, said means having a movable core, a rocker pivoted on the hood and having one end connected to the core, a link connecting the other end of the rocker to the door for opening the door by energization of the electromagnetic means, and a dash pot device coupled between the door and hood, being operative upon deenergizations of said electromagnetic means for delaying the action of the door when gravitating from its open position.

2,271,691
PAPER-SIZING MEDIUM AND PROCESS FOR ITS PRODUCTION
Harald Grasshof, Berlin-Zehlendorf, and Ernst Schlumberger, Berlin-Lichterfelde, Germany
No Drawing. Application February 12, 1940, Serial No. 318,628. In Germany February 20, 1939
6 Claims. (Cl. 106—238)

1. A process for the production of a paper-sizing medium, characterized in that colloidal electro-osmotically treated pulverous kaolin the greater part of the particles of which have a diameter much less than 1 μ is intimately stirred into a molten binding agent, the latter forming the continuous phase of the suspension, whereupon to the resulting molten mass an aqueous dispersing medium together with a protective colloid is admixed until a homogeneous distribution is obtained.

2,271,692
TERMINAL CONNECTOR
Frank B. Hewel, Pittsburgh, Pa.
Application June 6, 1940, Serial No. 339,084
3 Claims. (Cl. 173—259)

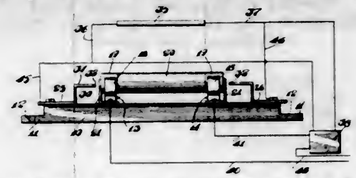


1. A terminal connector comprising a split ring member adapted to receive a terminal post, and a disconnecting member pivoted to said ring member and having a portion substantially closing the split therein, said disconnecting member extending over the end of said post and having an intermediate fulcrum point bearing thereon and an overhanging end cooperating therewith when said overhanging end is struck toward the base of the post to move said split-closing portion away from said post to permit ready removal of the entire connector therefrom.

2,271,693
DUAL FUSE BLOCK
Samuel G. House, Miami, Fla.
Application June 2, 1941, Serial No. 396,312
4 Claims. (Cl. 200—115)

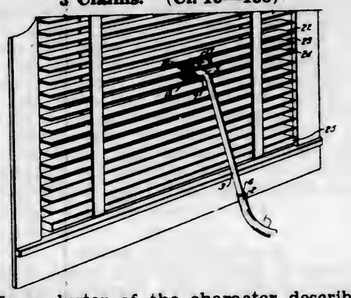
1. A dual purpose fuse block comprising a base formed of insulating material, a pair of metal clips secured to the base in spaced relation, a fuse having the ends thereof clamped in place by the clips, contacts connected with each clip and adapted to be connected to the terminals of an electric circuit, a second pair of contacts

mounted on the ends of the base and having points spaced a distance from the ends of the



fuse, said second contacts being connected with a second electrical circuit.

2,271,694
DUSTER
James H. Johnson, Kansas City, Mo.
Application August 1, 1938, Serial No. 222,361
3 Claims. (Cl. 15—158)



1. In a duster of the character described, a hollow support adapted for connection at one end thereof with a source of suction, a plurality of spaced branches mounted on the other end of said support, said branches having perforations and communicating with said support, porous sleeves having tufts thereon, the sleeves being removably mounted on said branches, and fastening devices on the sleeves engageable with the support for normally retaining said elements on said support.

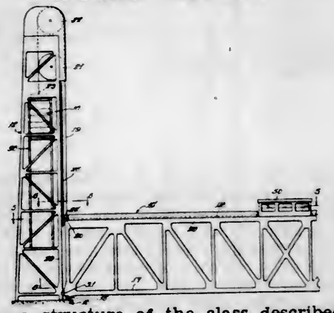
2,271,695
CONDITIONED WELL DRILLING FLUID
Philip H. Jones, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Original application January 20, 1936, Serial No. 59,889. Divided and this application January 14, 1938, Serial No. 185,008
6 Claims. (Cl. 252—8.5)

1. An improved well drilling fluid having low gas-cutting tendencies comprising an aqueous suspension of heavy solids to which has been added a modicum of a fatty acid of the class consisting of coconut oil fatty acid, caprylic acid and castor oil acid.

2,271,696
CONDITIONED WELL DRILLING FLUID
Philip H. Jones, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Original application January 20, 1936, Serial No. 59,889. Divided and this application January 24, 1939, Serial No. 252,593
5 Claims. (Cl. 252—8.5)

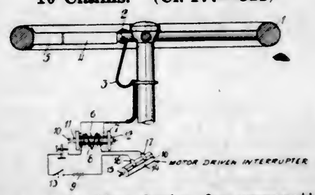
1. An improved well drilling fluid having low gas-cutting tendencies comprising an aqueous suspension of heavy solids to which has been added a modicum of an ester of a fatty acid of the class consisting of glycol-oleate, butyl-stearate, and glycerolmonoricinoleate.

2,271,697
VERTICAL LIFT BRIDGE CONSTRUCTION
Burton R. Leffler, Cleveland, Ohio, and Clifford E. Paine, La Grange, Ill.; said Leffler assignor to said Paine
Application May 2, 1939, Serial No. 271,370
10 Claims. (Cl. 14—42)



1. In a structure of the class described embodying a pair of towers and a lift span carried by and movable vertically between the towers by translation on a vertical plane, the combination therewith of means for carrying and moving the span including cables, one end of each cable being attached to the span and the other end passing over a device at the top portion of one of the towers to depend freely therefrom and having an individual counterweight attached to each cable, wherein a plurality of the counterweights are jointly guided by and independently movable in a cage common to said counterweights, said cage preventing substantial lateral movement of the individual counterweights but permitting individual vertical movement and wherein the cage is provided in part by plates carried by alternate counterweights and slidingly lapping the common adjacent counterweight.

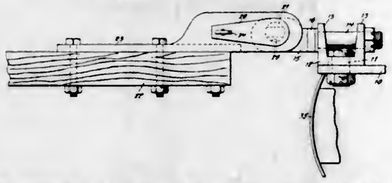
2,271,698
PROTECTIVE DEVICE FOR PREVENTING PERSONS FROM FALLING ASLEEP AT THE WHEEL OF A MOTOR VEHICLE OR THE LIKE
Karl Erik Löfwall, Halsingborg, Sweden
Application September 4, 1940, Serial No. 355,388
In Sweden May 3, 1938
10 Claims. (Cl. 177—311)



1. On a protective device for preventing persons from falling asleep when driving motor vehicles or the like, compris'ng contact means arranged to be in contact with the person of and to impart an electric shock effect to the driver, comprising two supporting surfaces, at least one of which is arranged likewise to serve as a contact surface and at least one neck member com-

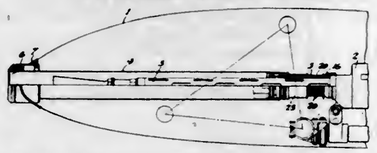
bining the supporting surfaces, the said neck member being arranged to be fitted between a couple of the fingers of one hand so that the supporting surfaces come to engage the outside and inside of the hand respectively.

2,271,699
VEHICLE COUPLING
Arthur J. Magnan, Brainerd, Minn.
Application April 25, 1940, Serial No. 331,551
1 Claim. (Cl. 280—33.15)



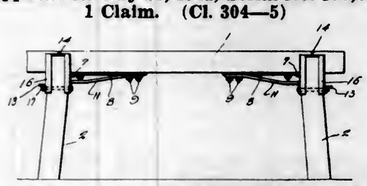
A device of the class described adapted to couple two vehicles, comprising a pair of tongues extending from the vehicles, one of said tongues having a pair of horizontally spaced yoke arms mounted on the top thereof and extending therefrom, the other of said tongues having a pair of jaws formed thereon, said jaws having a circular opening formed therebetween, said yoke arms having aligned horizontal circular openings formed therein, adapted to be aligned with said first opening, a bolt passing pivotally through said aligned yoke and jaw openings to couple said tongues together, said jaws having an entrance slot therebetween, said bolt having a flattened reduced lug formed intermediate its length of approximately the same thickness as the width of said slot, said lug when said bolt is in one position being adapted to pass through said slot and when in a position at right angles thereto lying transversely to said slot to lock said tongues together, and means for rotating said bolt, one end of said bolt being secured to said rotating means, the other end of said bolt being threaded and having a lock nut thereon, and a spacer collar on said bolt between said rotating means and said yoke.

2,271,700
BLAST TUBE FOR MACHINE GUNS
James Martin, Higher Denham, near Uxbridge, England
Application July 4, 1939, Serial No. 282,829
In Great Britain July 8, 1938
10 Claims. (Cl. 89—37.5)



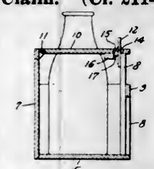
1. In an aeroplane wing or other hollow body accommodating a gun, a detachable blast tube surrounding the gun barrel, blast tube supporting elements on the gun and in the wing or hollow body, co-operating supporting elements on the blast tube engaging the beforesaid supporting elements, and sealing means with said supporting elements, preventing ingress of air or gases to the wing or hollow body around the blast tube, said sealing means comprising opposed seatings with the said supporting and co-operating elements, spring means urging said seatings against each other.

2,271,701
TRESTLE
Thomas G. Maxwell, Venice, Calif.
Application May 26, 1941, Serial No. 395,259
1 Claim. (Cl. 304—5)



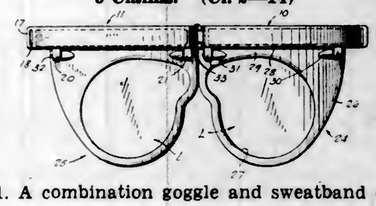
A trestle of the class described comprising a top beam, pairs of legs for supporting opposite ends of the beam, respectively, and a pair of mountings for attaching the pairs of legs, respectively, to said beam, said mountings each comprising a chair plate hinged to the bottom of the beam to swing upwardly flat against the bottom of the beam or downwardly to fold the same on the beam, said plate comprising a pair of side flanges straddling the beam when the plate is swung upwardly, a pair of leg holding sockets on said side flanges, respectively, coacting releasable latch devices on the beam and chair plate, respectively, for retaining said plate in upwardly swung and folded positions, respectively, said sockets comprising flaring side flanges of channeled form converging relatively for gripping the legs and forming an open front for the sockets.

2,271,702
MILK BOTTLE RACK
Charles E. McCartney, Port Arthur, Tex.
Application May 1, 1941, Serial No. 391,427
1 Claim. (Cl. 211—4)



A rack of the character described comprising a bottle container, a swingable top structure pivoted on the container for embracing the neck portions of bottles, and detent means between the top structure and the container, said detent structure comprising a beveled member rising from the container, said top structure having an opening therein for partly receiving the beveled member and a lock having a retractible bolt carried by the underside of the top structure and disposed in the path of the beveled member.

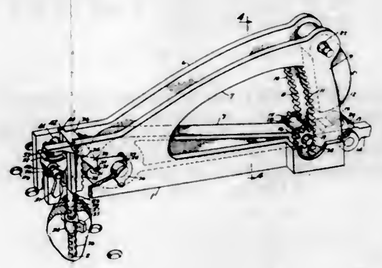
2,271,703
COMBINED GOGGLE AND SWEATBAND
Albert George McNeill, Philadelphia, Pa., assignor to Bachman Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 19, 1941, Serial No. 407,425
5 Claims. (Cl. 2—14)



1. A combination goggle and sweatband com-

prising a channel arranged to open toward the brow of a wearer, an absorbent member carried in said channel member, and a lens holder carried by said channel member.

2,271,704
MULTILEVER JACK
Edward Molloy, New York, N. Y.
Application March 22, 1939, Serial No. 263,479
12 Claims. (Cl. 74—107)



1. A power device comprising a frame with a member extending therefrom, a lever pivotally mounted in the frame adjacent said extending member, with the adjacent end connected to the extending member, and the opposite end extending a considerable distance beyond the pivot point, and means engaging said extending end, said power device being further characterized in that the engaging means comprises a cam positioned to engage the extending end of said lever, and a relatively long crank for operating said cam, said crank having a ratchet through which the cam is operated.

2,271,705
PRODUCTION OF DI-CHLORINATED ALIPHATIC KETONES
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application January 10, 1940, Serial No. 313,204
4 Claims. (Cl. 260—593)

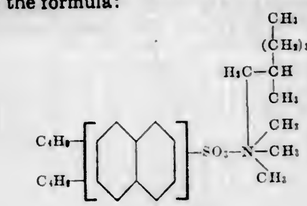
1. In a process of the production of dichlorinated aliphatic ketones from monochlorinated aliphatic ketones, the step which comprises chlorinating a solution of monochlorinated aliphatic ketone in the presence of a chlorination catalyst at approximately the boiling point of the monochlorinated aliphatic ketone-containing solution.

2,271,706
PROCESS FOR COATING METAL SURFACES
William C. Morris, North Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 18, 1940, Serial No. 341,213
4 Claims. (Cl. 91—73)

1. In the process of enamel-coating ferrous metals the new step of applying to the sheet a bond-coat containing an acid solution of antimony trichloride and arsenic trichloride, and stannous chloride.

2,271,707
WETTING AGENT
Ferdinand Münz, Frankfort-on-the-Main, and Otto Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 18, 1938, Serial No. 214,570. In Germany June 24, 1937
4 Claims. (Cl. 260—401)

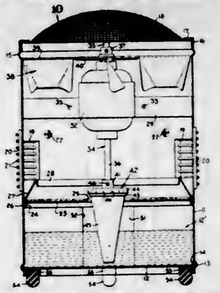
4. A wetting agent consisting of a watersoluble salt of the formula:



2,271,708
PROCESS OF PRODUCING HIGH-MOLECULAR OXYGEN-CONTAINING COMPOUNDS
Max Neber, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 20, 1939, Serial No. 285,552. In Germany July 22, 1938
3 Claims. (Cl. 260—594)

1. The process of producing high-molecular oxygen-containing compounds, which comprises causing alkali metals to act at a temperature between 30° and 250° C. on a mixture of ketones formed by ketonizing a mixture of higher molecular fatty acids obtained by the oxidation of high-molecular aliphatic hydrocarbons and decomposing the alkali metal compounds obtained with water.

2,271,709
AIR CONDITIONER
William A. Norris, Alhambra, Calif., assignor to William H. Fabry and Rae H. Fabry, as joint tenants, with right of survivorship
Application January 31, 1941, Serial No. 376,787
3 Claims. (Cl. 261—91)



1. In an evaporative cooler, a housing having a closed bottom and a reticulated mesh top and having an intermediate partition with an aperture therein, said partition having a peripheral flange, a motor mounted within said housing and having a shaft, water lifting means mounted below said motor on said shaft, a shield member being disposed above said partition and comprising a portion having a flange enjoining said partition flange, means to secure said flanges to the housing, said water lifting means being adapted

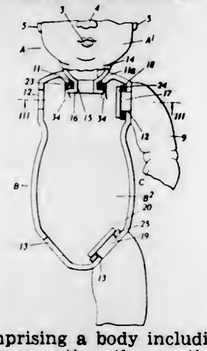
to raise water from said bottom to a location above said partition, said housing having an air outlet above said partition, and a fan disposed above said motor on said shaft and adapted to direct a column of air upon water on said partition.

2,271,710
BUILDING REGLET
Herbert P. Orth, Merwood, Pa., assignor of one-half to George W. Orth, Philadelphia, Pa.
Application March 29, 1940, Serial No. 326,581
6 Claims. (Cl. 108—26)



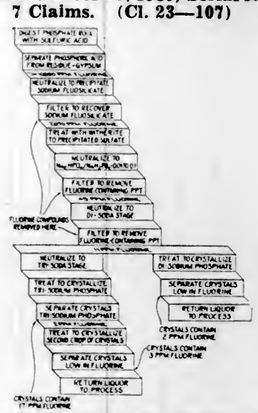
6. A flashing reglet of the character described comprising a sheet metal structure including an upper reglet facing, a re-entrant fold integrally joined to the lower edge of said upper reglet facing and having a portion extending below said upper reglet facing providing a lower reglet facing, said re-entrant fold providing a channel opening beneath said upper reglet facing, and an anchoring flange integrally joined to the upper edge of said upper reglet facing above said re-entrant fold and terminating to provide nailing space between said re-entrant fold and said anchoring flange in said upper reglet facing.

2,271,711
DOLLS, ANIMALS, AND LIKE FIGURES AND THE MANUFACTURE OF THE SAME
Alfred Edward Pallett, Leicester, England, assignor to Cascelloid Limited, Leicester, England, a British company
Application July 12, 1940, Serial No. 345,234
In Great Britain July 22, 1939
2 Claims. (Cl. 46—173)



1. A doll comprising a body including a front section and a rear section, the meeting edges of the sections being provided with mating bearing recesses, means for connecting the sections of the body together, a head, arms and legs for the body, inwardly extending cylindrical bearing members carried by the head, arms and legs for fitting in said bearing recesses, said bearing members forming with the head, arms and legs abrupt shoulders and the inner surface of the body around the recesses being flat, disk-shaped enlargements formed on the inner ends of the bearing members for preventing the accidental displacement of the head, arms and legs from the body when the sections thereof are connected together, said disk-shaped enlargements forming annular shoulders parallel to the flat inner surfaces of the body, and annular yieldable elements surrounding the cylindrical members between the body wall and enlargements and having flat parallel faces engaging the flat shoulders of the enlargements and the said flat inner surfaces of the body.

2,271,712
MANUFACTURE OF SODIUM PHOSPHATE
George A. Peirce, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 19, 1939, Serial No. 309,964
7 Claims. (Cl. 23—107)

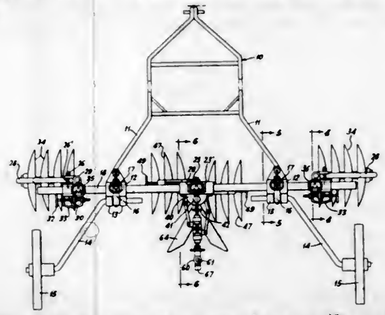


5. In a method of making sodium phosphate from phosphoric acid obtained by the digestion of phosphate rock with sulfuric acid in which the phosphoric acid is neutralized at least to the disodium phosphate stage by means of sodium bases, that improvement which comprises effecting three separate separations of precipitated impurities during the neutralization, the first separation being effected at a neutralization at which the bulk of the fluosilicic acid is thrown down as essentially pure sodium fluosilicate, the second separation being effected at that neutralization stage at which the liquor contains at least about one per cent and not substantially greater than 10 per cent of its P_2O_5 content as disodium phosphate, and the third separation being effected substantially at the disodium phosphate stage, whereby the bulk of the fluorine is removed in the first separation and further and significant quantities of fluorine-containing impurities are removed in the other two separations.

2,271,713
AGRICULTURAL APPARATUS
Charlie Raska, Corpus Christi, Tex., assignor of one-half to Louis J. Raska, Sinton, Tex.
Application September 3, 1940, Serial No. 355,199
14 Claims. (Cl. 55—73)

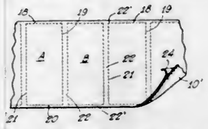
1. A cultivator having a rigid frame including a pair of extensions, a beam pivotally supported

in each extension for movement in a vertical plane, means for pivotally connecting adjacent ends of said beams and supporting earth working



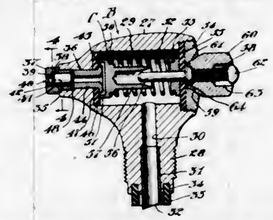
members, earth working members on the outside ends of said beams, all of said earth working members being in line.

2,271,714
METHOD OF MAKING LAMINATED FLEXIBLE CONTAINERS
Don Ray, Beverly Hills, Calif.
Application February 6, 1939, Serial No. 254,806
7 Claims. (Cl. 93—35)



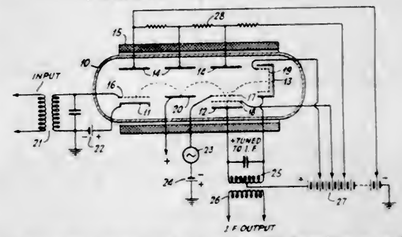
1. A continuous strip adapted for use in the formation of bag-like containers, comprising a strip of fibrous material, a strip of sheet rubber in vulcanizable form adhering to one surface of said fibrous strip, and areas of adhesive connecting said rubber strip to said fibrous strip, each of said areas of said adhesive being substantially coextensive with the sides of the bag-like container to be formed, said areas being spaced from each other by narrow transversely extending strips.

2,271,715
ATOMIZER VALVE
Harold V. Saffell, Los Angeles, and Orville W. Shimel, Glendale, Calif., assignors of one-third to Rufus E. Mackahan and one-third to Thomas D. Corcoran, both of Los Angeles, Calif.
Application March 31, 1939, Serial No. 265,160
4 Claims. (Cl. 251—125)



1. In an atomizer valve for the attachment to a container of fluid under pressure, a head formed with a valve chamber having an outlet, a tiltable spring pressed valve normally closing said outlet, a stem on said valve, a diaphragm on said head at one end of said valve chamber, a stem carried by said diaphragm, one of said stems having a tubular portion into the bore of which the other stem extends, a shank extending exteriorly of said diaphragm for manual oscillation of said stems, and cooperating stock members on the head and said shank for releasably holding the stems against oscillation, one of said stock members being adjustable axially on said shank into and out of contact with the other stock member.

2,271,716
ELECTRON DISCHARGE DEVICE
Bernard Salzberg, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1939, Serial No. 290,719
7 Claims. (Cl. 250—175)

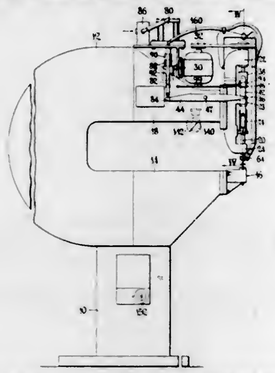


1. An electron discharge device having a cathode for emitting electrons, an anode and a collector electrode spaced laterally of said cathode and in the order named, accelerating electrodes spaced opposite said cathode, anode and collector electrodes respectively for providing an electrostatic field, and means for generating a magnetic field between said accelerating electrodes and said cathode, anode and the collector electrode, the electrostatic field being transverse to the magnetic field for causing electrons from said cathode to travel successive arcuate-shaped paths from said cathode to said anode and collector electrode, a signal grid adjacent the cathode for modulating the electrons leaving the cathode at signal frequency, and an oscillator grid in the path of the electrons and adjacent the anode for modulating the electrons at a different frequency and varying between positive and negative values, said collector electrode for receiving electrons turned back by the oscillator grid when said oscillator grid becomes negative during operation of said device, and a screen grid between the oscillator grid and anode, and a second screen grid adjacent the collector electrode.

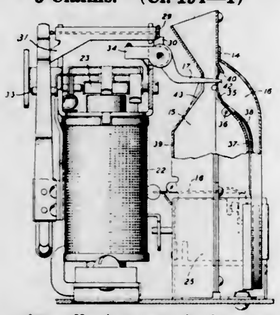
2,271,717
COUNTERSINKING AND BLIND DRILLING MACHINE
Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application August 3, 1940, Serial No. 350,221
15 Claims. (Cl. 77—5)

1. In a drilling machine, a drilling spindle carrying a work piece cutter, means for driving said spindle, means for moving said spindle axially toward and away from the work piece to be drilled, a work piece contacting shoe operatively associated with said spindle to move axially therewith into work piece contacting position, resilient means connecting said spindle and said shoe for resiliently urging said spindle to move axially relative to said shoe and to thereby move said cutter therebeyond into work piece

drilling position, and positive stop means associated with said spindle and said shoe for limiting said relative movement therebetween within predetermined limits.



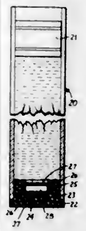
2,271,718
TELEPHONE COIN COLLECTOR
Oscar A. Shann, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1939, Serial No. 302,098
3 Claims. (Cl. 194—1)



1. In a coin collector, a coin hopper having a coin entrance passage, a first coin channel and a second coin channel leading from said passage, said channels having their coin entrances offset with respect to each other, each channel being downwardly extended, a coin vane pivoted adjacent the entrances to said channels and biased to a first position for closing the entrance to said first channel and for directing a deposited coin into said second channel, said vane in a second position closing the entrance to said second channel and directing a deposited coin into said first channel, means for normally holding said vane in said second position, said means comprising a coin trigger engaging said vane and normally projecting into said passage for actuation by a first deposited coin, and means for holding said trigger after coin actuation out of engagement with said vane.

2,271,719
AMPOULE SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application April 3, 1935, Serial No. 14,500
2 Claims. (Cl. 128—272)

2. A cartridge closure comprising a body having a resilient imperforate penetrable partition and a chamber having one end open and the other end closed by said partition, and a sealing device for the end of the chamber and located in the chamber, a sealing device ejecting



means having a portion extending towards the inner surface of the partition, said partition serving as a pressure medium to move said ejecting means and thereby expel said sealing device upon pressure on the outer surface of the partition.

2,271,720
SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application May 5, 1939, Serial No. 271,886
7 Claims. (Cl. 128—218)

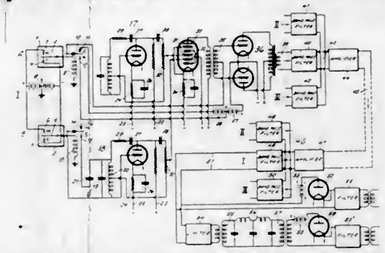


1. In a hypodermic syringe, a barrel having a front member and a rear member thereon, said rear member having a head thereon, a plunger slidable through said rear member and through said head, said plunger having a flange thereon, a needle member mounted on said head and independent of said plunger, said plunger and said flange being grooved to slidably receive the needle member.

2,271,721
METHOD AND MEANS FOR TRANSMITTING A PLURALITY OF SIGNALS OVER THE SAME CHANNEL
James Ernest Smith, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 3, 1939, Serial No. 271,460
9 Claims. (Cl. 178—51)

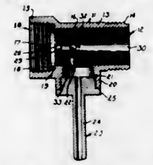
1. In a telegraph reception, a link having a signal wave with its frequency and its amplitude changing from a higher to a lower value to indicate two messages, two utilization circuits, a limiter connected between said link and one of said

circuits for passing current only above the lower amplitude value and a limiter connected between



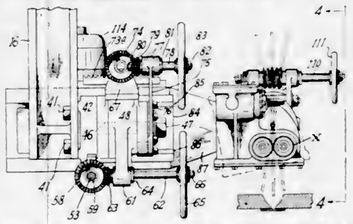
said link and the other of said circuits for passing current only below said amplitude value.

2,271,722
FERTILIZER DISTRIBUTOR
Alexander F. Thornton, Pasadena, Calif.
Application July 6, 1940, Serial No. 344,291
3 Claims. (Cl. 103—262)



1. In a fertilizer distributor attachment including a housing and a core member, said housing including a cylindrical body portion having a hollow head portion thereon, threads in said hollow portion and on said cylindrical portion, a laterally extending cylindrical portion on said housing and having an internally threaded aperture and a smaller aperture communicating with the interior of said body, a connecting member threadedly secured in said threaded aperture, said core member including a central aperture communicating with one end thereof and having a flared portion communicating with the central aperture and opening out of the other end of the core member, said core member having an inlet aperture arranged at right angles to the axis of the core member and having a reduced inlet aperture communicating with said flared portion and said inlet aperture, said inlet apertures being aligned with said laterally extending cylindrical portion.

2,271,723
APPARATUS FOR ARC WELDING
James E. Trainer, Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Original application June 16, 1934, Serial No. 730,852. Divided and this application October 25, 1938, Serial No. 236,844
20 Claims. (Cl. 219—8)

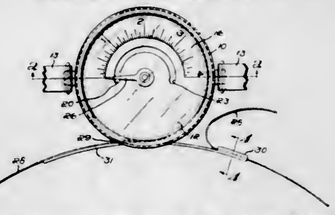


15. In a welding machine, a welding head having weldrod guiding and feeding means, and means for angularly adjusting the weldrod about axes intersecting substantially in the line of weldrod travel.

2,271,724
COATED CELLULOSIC SHEET MATERIAL
Waldorf S. Traylor, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,614
14 Claims. (Cl. 91—70)

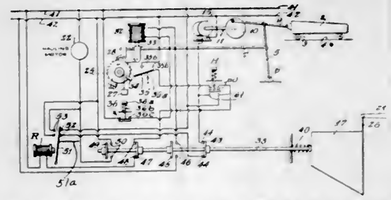
1. A high gloss, scuff-resistant, non-tacky, coated cellulosic sheet material comprising a cellulosic sheet material carrying as a coating applied thereto without substantial impregnation thereof, a fused composition having a melting point within the range of about 90° C. to about 180° C. and comprising about 5% to about 40% by weight of ethyl cellulose and a substantially heat non-convertible, rosin-modified polybasic acid-polyhydric alcohol resin.

2,271,725
MEASURING DEVICE
Emma G. Tunnicliff, Boston, Mass.
Application December 26, 1940, Serial No. 371,693
2 Claims. (Cl. 33—179)



1. A measuring device of the class described, which comprises a casing having an exit slit, a hollow shaft journalled for rotation in said casing, a drum secured to said shaft, a pin secured to the surface of the drum, a scale plate within the casing having an arcuate slot accommodating said pin, a second shaft rotatable within said hollow shaft, a pointer secured to one end of said second shaft and disposed in the path traversed by said pin and engageable therewith, a spring holding the drum in initial position, and a flexible tape connected to the drum and passing out of said casing through the exit slit, whereby a pull on said tape will rotate said drum causing forward movement of said pin and corresponding movement of said pointer across said scale plate.

2,271,726
SYSTEM FOR TRANSPORTING MATERIALS
Leo J. Vogel, Mount Lebanon, Pa.
Application May 8, 1939, Serial No. 272,371
8 Claims. (Cl. 214—41)



1. A system for transporting material, compris-

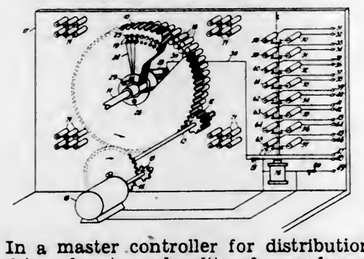
ing a loading station, feeding means located at said station and adapted to feed said material, an electric feeding motor adapted to actuate said feeding means, a conveyor movable to said station and away therefrom, a second electric motor adapted to actuate said conveyor, first switch means located at said loading station and having a normal position, said first switch means controlling the circuits of said motors and opening the circuit of the feeding motor and closing the circuit of the second motor when the switch means are in said normal position, the circuit of said feeding motor having second switch means which include first spaced terminals, a movable arm associated with said terminals and biased normally to contact with said terminals, a relay adapted to operate said movable arm, the second motor having second spaced terminals which close the circuit of the second motor when said second spaced terminals are connected by said arm, said arm being mounted to move away from the first terminals and to contact with the second terminals when the relay is energized, time-control mechanism adapted to energize said relay after a predetermined period of time.

2,271,727

CYCLIC CIRCUIT CONTROLLER

Harry A. Wilcox, Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application July 12, 1940, Serial No. 345,094
14 Claims. (Cl. 177—337)



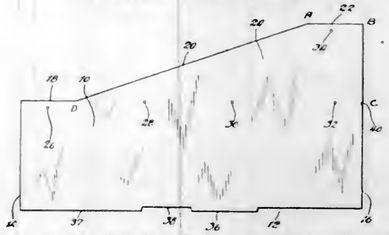
14. In a master controller for distribution of control impulses to a plurality of secondary controllers in a traffic control system, a plurality of contacts and corresponding connection jacks arranged in a circle, a contact brush adapted to be rotated so as to engage said contacts sequentially and having a power connection to provide such control impulses to the several contacts, driving means for said contact brush for rotating the same cyclically in a predetermined time cycle, terminal connection jacks for the several secondary controllers, and a plurality of cross connection leads provided with plug ends for selective connection from said terminal jacks to said contact jacks whereby the control impulses may be distributed to the several secondary controllers in predetermined time phase relation in desired parts of the time cycle, a plurality of switches connected individually to the several terminal jacks and having a common switching member connected therewith only when said switches are closed and connected with the same source of power as said contact brush member, power supply connection for said driving means for rotating said brush member, and electro magnetic operating means for said several switches and connected to said driving power supply connection to maintain all of said switches normally open when said driving means is operated and to close said switches when said driving power ceases, whereby the control impulse power will be continuously connected to the several secondary controllers upon interruption of the cyclic impulse distribution.

2,271,728

ROOFING ELEMENT

William W. Bainbridge, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application September 19, 1940, Serial No. 357,378
8 Claims. (Cl. 108—8)



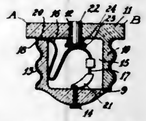
7. A rigid shingle of the character described adapted to be laid with similar shingles in overlapping courses which comprises an elongated main body portion defined by a longitudinally extending lateral edge forming the lowermost portion of said shingle when laid in courses, a pair of substantially parallel, end defining edges extending substantially perpendicular to said longitudinal edge, one of said end defining edges being longer than the other, but both being of sufficient length to extend into the area normally overlapped by a superimposed course of shingles, a first upper edge portion extending inwardly for a short distance from the end of the longer end defining edge and perpendicular thereto, a second upper edge portion extending inwardly for a short distance from the end of the shorter end defining edge and perpendicular thereto, and a third upper edge portion extending obliquely between the inner ends of said first and said second upper edge portions.

2,271,729

FUSE PLUG

John Baldwin, Brooklyn, and William Hillenbrand, Rigo Park, Long Island, N. Y.

Application May 6, 1941, Serial No. 392,060
2 Claims. (Cl. 200—121)



1. A fuse plug comprising an insulating housing including a cover and consisting of two sections, one housing section comprising substantially one half of said cover and a semi-cylindrical portion, the other housing section comprising a base, the other half of said cover and a second semi-cylindrical portion, said two semi-cylindrical portions having an outer thread, a center contact on said base, a metallic threaded sleeve arranged for cooperation with the thread on said semi-cylindrical portions and forming a second contact, an insulating indicating member slidable in an aperture in said cover, a first spring urging said indicating member into said housing and away from said cover, a fuse connected with said center contact, a second spring connected with said fuse, extending through a transversal

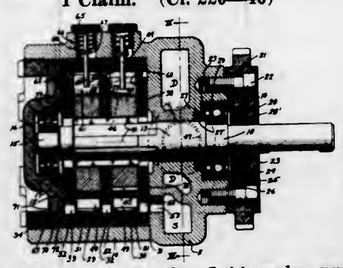
opening in one of said semi-cylindrical portions and connected with said sleeve, said second spring being normally tensioned by said fuse and being arranged to force said indicating member out of said cover when said fuse blows.

2,271,730

PUMP

Sherwood C. Bliss, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application July 1, 1939, Serial No. 282,447
1 Claim. (Cl. 220—46)



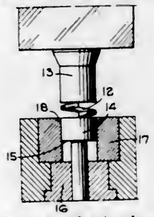
A cylinder structure for fluid under pressure comprising a cylindrical wall having a removable end wall fitting into one end thereof to form a closure therefor, a clamping ring having threaded engagement with said cylindrical wall outside of said end wall for clamping said end wall in place, a thin metallic washer between said clamping ring and said end wall, the outer peripheral corner of said end wall being cut away to provide an annular groove entirely enclosed by said end wall, said cylindrical wall and said washer, sealing material in said groove compressed when said clamping ring is applied to said washer and forming a seal against the escape of fluid from within the cylinder structure, and a comparatively narrow annular groove in said end wall inwardly of said sealing material groove and forming a continuation of said sealing material groove for receiving any overflow of the sealing material when said sealing material is compressed.

2,271,731

MANUFACTURE OF WASHERS

John Albert Chappuis, Neuchatel, Switzerland

Application March 20, 1939, Serial No. 263,009
In Great Britain September 30, 1938
4 Claims. (Cl. 10—86)



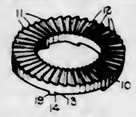
1. A method of manufacturing washers from circular wire elements of helical form including the steps of pressing the elements axially to convert them into rings having unsecured ends, continuing the axial pressure while supporting the circumference against outward movement, but allowing the metal to flow inwardly towards the centre to change the shape of the cross section of the metal by reducing the dimension in an axial direction and increasing the dimension in a radial direction.

2,271,732

LOCK WASHER

John Albert Chappuis, Neuchatel, Switzerland

In Great Britain October 4, 1938
Application March 20, 1939, Serial No. 263,010
3 Claims. (Cl. 151—35)



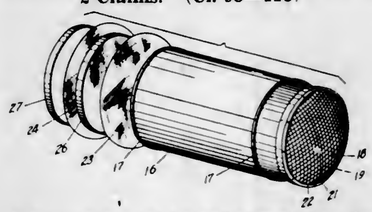
1. A locking washer for engagement between a rotary abutment screwed upon a threaded stem and a fixed abutment upon which said rotary abutment acts, said washer comprising a single ring of metal adapted to encircle said stem, a plurality of ratchet teeth on one side of said washer arranged to allow angular slip between the adjacent abutment and said washer when said rotary abutment is turned in the tightening direction and to resist such slip by biting into the adjacent abutment when said rotary abutment is turned in the slackening direction, and a much smaller number of hardened spurs on the opposite side of said washer adapted to indent the adjacent abutment on application of axial pressure to said washer, said spurs being of ratchet form and of opposite hand to said ratchet teeth, the sloping faces of said spurs being inclined in the same direction as the screw-thread on said stem but at a lesser angle to the axis of the latter.

2,271,733

COMBUSTION AIR SUPPLY SYSTEM

James Harold Clark, Cedar Rapids, Iowa, assignor to Chandler Company, Cedar Rapids, Iowa, a corporation of Iowa

Application May 20, 1940, Serial No. 336,206
2 Claims. (Cl. 98—118)



1. A fresh air inlet for a furnace room including a thimble, a sleeve snugly received in the outer end thereof, a pair of wire mesh screens fixedly mounted within the sleeve, the outer one of said screens being of relatively heavy gauge, coarse mesh material, the inner screen being of finer mesh, at least one removable fabric filter disposed within the thimble, spaced from the wire screens and removable from the inner end of the thimble, and means for supporting said fabric filter within the thimble comprising a sleeve slightly smaller than the inside circumference of the thimble adapted to wedge the fabric between the outer surface thereof and the inner surface of the thimble.

2,271,734

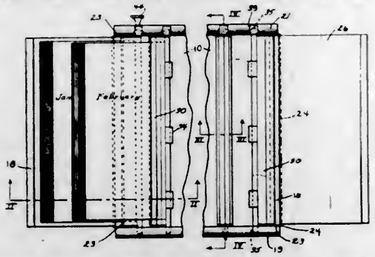
CATALOGUE BINDER

Thomas M. Dunham, Aurora, Ill.

Application January 13, 1941, Serial No. 374,143
3 Claims. (Cl. 129—1)

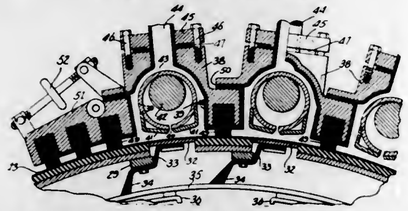
2. A binder assembly comprising a mounting base for binder units, means defining a slot along one side of said base, binder units each com-

prising parallel spring pressed separable jaws with the outer portion of each jaw deflected back to provide a tongue and a slot between the tongue and the jaw, a supporting wing having a flange normally engaged in the slot on said base, the tongue on one jaw of a unit being adapted, after



removal of said wing, to be inserted in said base slot, and the flange of said wing being insertable in the slot of the other jaw whereby said wing may function as a lever for opening of the unit for reception or removal of catalogues, loose leaves or the like.

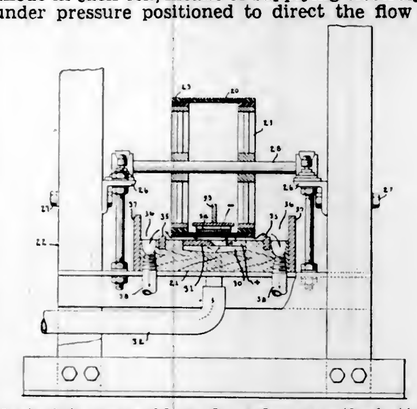
2,271,735
MACHINE FOR ELECTROPROCESSING METAL STRIP
Wesley F. Hall, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application July 16, 1938, Serial No. 219,619
5 Claims. (Cl. 204—206)



1. In an electroprocessing machine for processing long metal strips, a wheel member disposed and rotatable on a vertical axis for supporting and guiding said long metal strips around the periphery thereof, a plurality of cells having an open face juxtaposed along at least a portion of the periphery of said wheel member, each of said cells being interlocked with its adjacent cell and separated from it by a common sealing means, each of said cells including hollow insoluble electrodes, auxiliary soluble electrodes within said hollow electrodes, said strip forming a closure for the open faces of each of said cells while the strip is moved along, means for flowing electrolyte through said cells and in contact with said strip, and means for electrically connecting the back of said strip to a source of electrical voltage to electrochemically treat said strip as the same is moved along through the open faces of said cells.

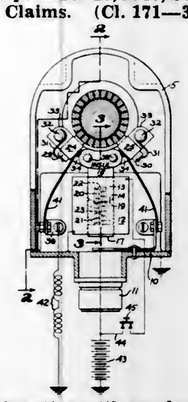
2,271,736
STRIP TREATING APPARATUS
Wesley F. Hall, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application June 28, 1939, Serial No. 281,681
14 Claims. (Cl. 204—206)

1. In an electroprocessing machine, a continuously moving cathodic strip presenting a straight area, a cell opposite and beneath said area adjacent the straight portion of the strip, the strip being spaced from the bottom and side walls of the cell, the spacing between the side walls and strip providing a restricted passageway for the flow of the electrolyte over said side walls, an anode in each cell, means of supplying electrolyte under pressure positioned to direct the flow of



electrolyte over said anode and engage the bottom of the strip while under pressure and overflow over the top of the cell beneath the bottom and edges of the strip, and a cathodic hold-down contact means contacting the upper dry side of the strip within the area under electrolytic fluid pressure and engaging the strip as it moves, and whereby the opposite side of the strip is continuously plated while in straight condition.

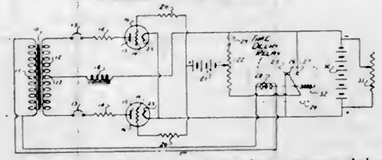
2,271,737
BRUSH-LIFTING RELAY
Ralph M. Heintz, Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 16, 1940, Serial No. 356,951
5 Claims. (Cl. 171—324)



1. The combination with an electric motor having a commutator of a brush-lifting and relay mechanism comprising a magnet coil radially disposed with respect to said commutator, a plunger slidably mounted within said coil and secured against rotation therein, a pair of brush holders mounted on the end of said plunger, the axes of said brush holders being disposed rectangularly with respect to each other and at 45°

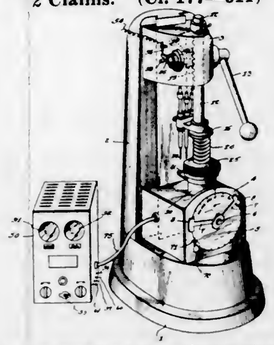
with respect to the axis of said plunger, the latter being so positioned as to dispose each of said axes radially with respect to said commutator when said plunger is fully attracted, resilient means for normally retracting said plunger from said commutator, brushes mounted in said brush holders and a switch for energizing said coil to attract said plunger and bring said brushes into operating contact with said commutator.

2,271,738
BATTERY CHARGER
Mason F. Leftwich, Charlotte, N. C.
Application February 27, 1939, Serial No. 258,748
2 Claims. (Cl. 175—363)



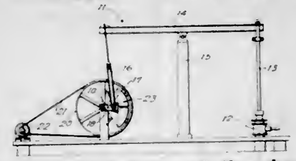
1. An electronic control system comprising a transformer, having primary and secondary windings, a grid controlled rectifying tube having a plate, a grid and a cathode; a source of constant potential, a voltage divider, a time delay relay, a connection leading from the grid to the positive side of the source of constant potential, a connection leading from the negative side of the source of constant potential through the voltage divider and through the time delay relay to the positive side of the direct current output circuit, a connection from the secondary of the transformer to the other side of the voltage divider and to the negative side of the direct current output circuit whereby a constant voltage is automatically maintained in the direct current output circuit.

2,271,739
SPRING TESTING MACHINE
Herbert W. Link, Detroit, Mich.
Application January 31, 1940, Serial No. 316,624
2 Claims. (Cl. 177—311)



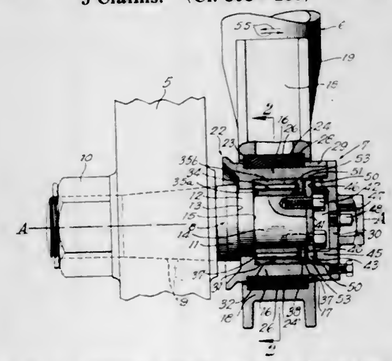
1. In an apparatus for testing springs, the combination of weighing means having a movable support for a spring and having an element which moves in accordance with the movement of the support incident to a load thereon, a head for engaging the spring which is positioned on said support, means for shifting the head to compress the spring and place a load on the support, a load indicating lamp, a controlling circuit therefor including a light source and a light sensitive element, a circuit for the indicating lamp including a fixed contact and a contact mounted on said head arranged to momentarily close the circuit when the spring has been flexed a predetermined extent, said circuit including a second fixed contact and a second contact on the head for engagement when the spring has been further flexed a predetermined extent, and means on said movable element for shielding and exposing the light sensitive element to said light source and co-related with the said head to control the operation of the indicating lamp in accordance with the load exerted on the platform by the spring when the same is compressed to said predetermined extents.

2,271,740
COUNTERBALANCE
Warren M. Mansfield, Glendale, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application February 17, 1939, Serial No. 256,985
16 Claims. (Cl. 74—591)



1. In a counterbalance of the character described, the combination of: a shaft; a crank arm extending from said shaft; a crank pin connected so as to rotate with said shaft and said crank arm; weight means; pivotal connecting means holding said weight means so that it may swing relative to said crank arm; and adjustable means in swingable relation to said crank arm and said weight means to hold said weight means in desired positions of adjustment relative to said crank arm, said adjustable means comprising a strut in adjustable relation to said crank arm and said weight means, said strut having a facing of friction material and said weight means having a facing of friction material and said weight means having means for cooperative holding engagement with said facing.

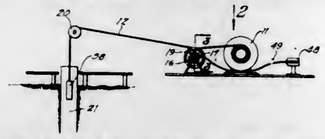
2,271,741
PITMAN BEARING
Warren M. Mansfield, Glendale, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application April 25, 1939, Serial No. 269,927
5 Claims. (Cl. 308—163)



1. In a bearing device of the character de-

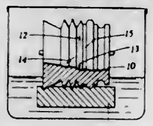
scribed, the combination of: a sleeve having a bore with a stop shoulder near the forward end thereof and a counterbore in the rear end thereof having a bottom shoulder; a journal extending into said sleeve through said forward end thereof; a radially projecting thrust member secured on said journal in a position to lie adjacent said bottom shoulder in said counterbore; bearing means for said journal in said sleeve between said stop shoulder and said thrust member; a cover for the rear end of said sleeve; and a thrust bearing element held by said cover in a position adjacent the side of said thrust member opposite from said shoulder, said cover enclosing a lubricant chamber in the rear end of said sleeve, there being passage means for conducting lubricant from said lubricant chamber to said bearing means.

2,271,742
CABLE MEASURING DEVICE
Otis J. McCullough, Houston, Tex.
Application August 18, 1939, Serial No. 290,836
3 Claims. (Cl. 33—126.5)



1. In a device for measuring the movement of a cable which is run from a drum to a member which is operated by the cable, the combination of: a shaft extending substantially parallel to the axis of said drum; a sheave on said shaft around which said cable is wound at least once, said sheave being rotatable on said shaft so as to be rotated upon movement of said cable to or from said drum, and being axially movable so as to be capable of following said cable as it winds or unwinds axially of said drum; a drive gear mounted on said sheave; a gear box enclosing said drive gear and mounted on said sheave to permit rotation of said sheave relative to said gear box; key means cooperating between said gear box and said shaft to restrain said gear box from rotation and to permit same to move with said sheave in a direction axially of said shaft; a driven gear in said gear box and driven by said drive gear; a meter spaced from said gear box; and means whereby said driven gear operates said meter.

2,271,743
METHOD OF GRINDING HARD METALS
Arpád Nagy, Bryanston Square, London, England
Application November 10, 1939, Serial No. 303,855
In Great Britain November 19, 1938
4 Claims. (Cl. 51—281)

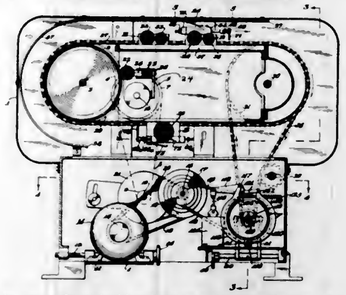


1. A method of grinding and shaping a piece of hard metal which consists in supporting the hard metal in close proximity to a moving carrier body made of metal softer than the hard metal and submerging the portion of said hard metal to be ground and at least a portion of said moving carrier body in a liquid containing in suspension particles of a material harder than the said hard metal, and carrying said particles of harder material on the periphery of said moving carrier and between the said periphery and the said hard metal by frictional contact between the said moving carrier body and the surface of the hard metal, and causing the particles of material to become temporarily embedded in the said carrier body as they are drawn between the said carrier body and the hard metal, and to be shed by the said carrier body after having exercised a grinding action on the hard metal.

2,271,744
METHOD OF MAKING PLYWOOD
James V. Nevin, Aberdeen, Wash.
No Drawing. Application December 15, 1938, Serial No. 245,905
5 Claims. (Cl. 144—309)

1. In the method of making plywood including the coating of a core ply of wood with a thermosetting binder, the covering of the coated surface with a veneer and the uniting of the core and the veneer by the application of heat and pressure to set the binder, the improvements which comprise effecting the total coating in a single application of an aqueous solution of a partial condensation product of cresylic acid and formaldehyde at temperatures of from 87 to 100° F., said solution having a viscosity of from 900 to 2,000 centipoises at 87 to 90° F., and a solid content of from 45 to 50%, allowing the heated coating to cool on the core for thickening the solution, and directly hot pressing the core and veneer together whereby sufficient moisture is present along the glue line to plasticize the condensation product without forming steam pockets and the high viscosity of the condensation product prevents deep penetration of the binder into the wood and away from the glue line.

2,271,745
PROOF PRESS
John Peters, Teaneck, N. J., assignor, by mesne assignments, to Vandercook & Sons, Chicago, Ill., a corporation of Illinois
Application October 26, 1940, Serial No. 362,963
8 Claims. (Cl. 101—270)



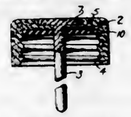
1. A proof printing-press comprising an endless conveyor, holding means adapted to hold a printing plate in the path of movement of said conveyor, an element carried by said conveyor and movable by said conveyor over said holding means, a safety member movably connected to said conveyor, said safety element being movable in unison with said conveyor and being also movable relative to said conveyor, an electric motor adapted to actuate said conveyor, control means actuated by the movement of said safety element relative to said conveyor and adapted to stop the drive of said conveyor by said motor when said safety element is moved relative to said conveyor.

2,271,746
CONTAINER CLOSURE WITH APPLICATOR ROD AND METHOD OF MAKING THE SAME
William F. Schmalz, Rockville, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application August 25, 1939, Serial No. 291,864
10 Claims. (Cl. 15—140.3)



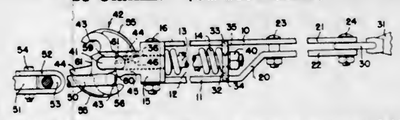
1. In combination, a container closure member molded from a material of the synthetic resin class, and an applicator rod member molded from a material of the synthetic resin class which is more resistant to chemical action and moisture absorption than the material of the closure member secured to said container closure member.

2,271,747
CONTAINER CLOSURE WITH APPLICATOR ROD
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application August 25, 1939, Serial No. 291,825
12 Claims. (Cl. 15—140.3)



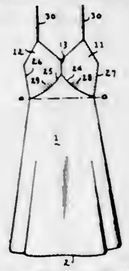
1. In combination, a container closure part including integral means for securing the same to a container and having an aperture therethrough, a solid applicator rod molded from a material of the synthetic resin class extending through said aperture and having an integral enlarged end portion engaging said closure part to prevent withdrawal of said rod of from said aperture in one direction, and means engaging said enlarged end portion to positively prevent withdrawal of the rod from said aperture in the opposite direction.

2,271,748
HITCH DEVICE
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 19, 1939, Serial No. 268,731
13 Claims. (Cl. 280—33.16)



1. The combination with a spring release hitch device having a frame, a part slidably supported thereon, spring means for resisting sliding movement of said part relative to the frame in one direction, a coupling member rotatably supported on said part and having a normal engaging position, a connecting member adapted to engage with said coupling member and releasable therefrom by the rotation of the coupling member, and means on said coupling member engageable with said frame for holding the coupling member against rotation and in normal engaging position, said means being disengaged from said frame when the draft member has moved past a predetermined position with respect thereto and allowing the coupling member to rotate, of means forming cooperating faces on said coupling member and on said frame, respectively, the face on said coupling member facing generally in a direction opposite to said one direction and the cooperating face on said frame facing generally in said one direction, said faces serving as means, responsive to the thrust of said spring means, for holding said rotatable coupling member in position facilitating reengagement of the connecting member therewith.

2,271,749
GARMENT
Rowland W. Strohmeier and John L. Kornet, Bethlehem, Pa., and Jane Cable, Beverly Hills, Calif., assignors to Laros Textiles Company, Bethlehem, Pa.
Application September 14, 1940, Serial No. 356,764
2 Claims. (Cl. 2—73)

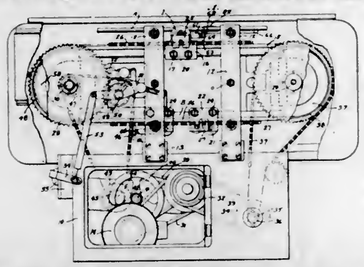


1. A garment made up of sections of material including at least two skirt panels, comprising a front skirt panel extending around the sides of the wearer when in place on the wearer, and a rear skirt panel, the medium lines of said panels being substantially on the straight of the cloth, said front skirt panel having upper edges cut at an angle to said medium lines, front brassière portions cut on the bias, the lower edges of said front brassière portions being connected to the upper edges of the front skirt panel, said front brassière portions being connected to each other, at least one bias cut back brassière portion being attached to said front brassière portions, said bias cut back brassière portion being attached to said straight cut rear skirt panel, the line of attachment between said front brassière portions and said front skirt panel being located above the waist line, and the side edges of said lower skirt panels where connected to each other having a slight divergence from the straight.

2,271,750
PROOF PRESS
Edward O. Vandercook and David D. Vandercook, Evanston, Ill., assignors to Vandercook & Sons, Chicago, Ill., a corporation of Illinois
Application December 13, 1940, Serial No. 369,916
6 Claims. (Cl. 101—270)

1. In a printing press, the combination of the press bed, a carriage movable over said bed and supporting a roll for cooperation with a form on said bed when said carriage moves in forward direction, an electric driving motor and driving means between the motor and said carriage, electrical circuits for said motor, electrical controlling means for said motor circuits, a control

switch for said electrical control means located adjacent to said bed, said control switch being normally set for operation of said motor for forward drive of said carriage, actuating means for said control switch, guard means movable with said carriage and located in advance of the carriage roll, and means effective upon movement of said guard means from its normal position during forward travel of said carriage for causing said actuating means to set said control switch for control of the motor circuit for reverse operation of the motor and reverse movement of said carriage.

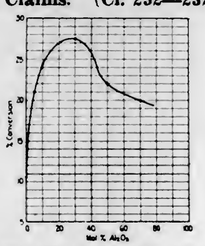


2,271,751

CATALYST

Gerardus Hendricus Visser and Willem Frederik Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 13, 1939, Serial No. 294,590
In the Netherlands September 15, 1938
6 Claims. (Cl. 252—232)



1. A regenerative catalyst comprising a coprecipitated mixture of oxides of chromium and aluminum in a molecular ratio of from 90:10 to 60:40 respectively and an alkali metal compound in an amount corresponding to from 2 to 30 atoms of alkali metal per each 100 molecules of said mixed oxides.

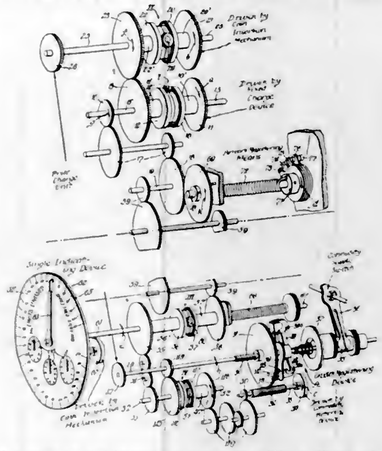
2,271,752

PREPAYMENT MECHANISM

Alfred Henry Wickham, Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill.

Application November 4, 1938, Serial No. 238,720
In Great Britain November 26, 1937
3 Claims. (Cl. 235—103.5)

1. In a prepayment mechanism for controlling the supply of electricity or like commodity in which arrears due to a fixed charge, credit diminution due to commodity usage and credit increase and arrears removal due to coin insertion are automatically balanced and the net result indicated on a single indicating device, in combination: a first differential gear device including a first pair of sun wheels and a first planet wheel carrier; a second differential gear device including a second pair of sun wheels and a second planet wheel carrier; means operatively interconnecting a sun wheel of said first differential gear device with a sun wheel of said second differential gear device; arrears registering means comprising first spring means operatively connected to said first planet wheel carrier and adapted to be stressed as arrears increase and stop means operatively connected to said first planet wheel carrier to prevent rotation thereof when said prepayment mechanism is in credit condition; a third differential gear device including a third pair of sun wheels and a third planet wheel carrier; means operatively interconnecting



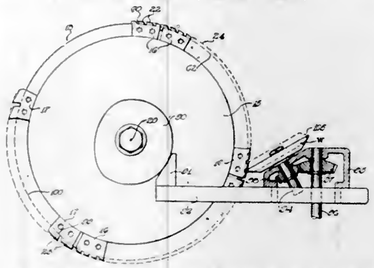
said arrears registering means with a first of said third pair of sun wheels; second spring means; means operatively interconnecting said second spring means and said third planet wheel carrier; a single indicating device; means operatively interconnecting said single indicating device with said third planet wheel carrier; a fourth differential gear device including a fourth pair of sun wheels and a fourth planet wheel carrier; means operatively interconnecting said fourth planet wheel carrier with the second of said third pair of sun wheels; and means operatively interconnecting one of said fourth pair of sun wheels with said second planet wheel carrier.

2,271,753

GEAR CUTTER

Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application September 16, 1938, Serial No. 230,291
27 Claims. (Cl. 29—103)



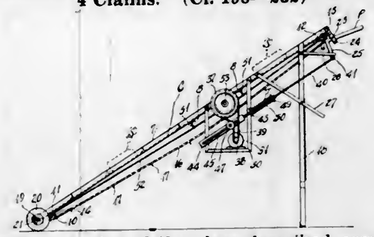
1. A rotary gear cutter having a plurality of rough-cutting blades arranged part-way around its periphery, each of said blades having a top-cutting edge, successive blades being of progressively decreasing width and having their top-cutting edges arranged at progressively increasing distances from the axis of the cutter, said blades being all of equal height.

2,271,754

UTILITY CONVEYER

George Van Zale, Bay City, Mich.

Application June 17, 1940, Serial No. 340,896
4 Claims. (Cl. 198—232)



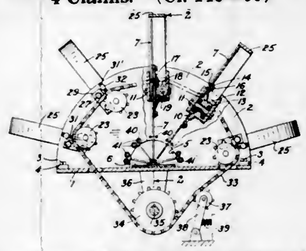
1. In a loader of the class described comprising a mobile inclined frame having ground engaging wheels on the lower end thereof, a standard supporting the upper end of the frame, an endless conveyer carried thereon, a power plant, means for drivingly connecting said power plant and conveyer, a platform pivotally mounted on the frame at a point adjacent the discharge end of the conveyer, and spring retracted trip mechanism attached to said platform and engaging said driving means for automatically controlling the starting and stopping of said conveyer without stoppage of the power plant when the platform is actuated.

2,271,755

PEACH SLICING MACHINE

John Albertoli, San Francisco, Calif.

Application October 25, 1940, Serial No. 362,728
4 Claims. (Cl. 146—99)



1. In a power fruit slicing machine of the type having a plurality of revolvably supported disk blades converging toward one point for cutting halved fruit into segments, means for individually mounting the disk blades comprising a relatively long narrow open unit frame in which the disk blade is positioned to project through the same, an axle projecting through the disk blade and extending fixedly into opposite sides of the frame, a gear revolvably mounted on said axle and secured to said disk blade, a drive shaft supported by bearing means carried by one side only of and within the frame, and a pinion on said shaft meshing said gear, all whereby each blade in its frame mounting complete with shaft and gear and with driving pinion and drive shaft forms a unit assembly, and means for securing a plurality of said units in assembled relation.

2,271,756

PREPARATION OF BAKERY PRODUCTS

Hans F. Bauer and Elmer F. Glabe, Chicago, Ill., assignors to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application June 12, 1939, Serial No. 278,588
19 Claims. (Cl. 99—91)

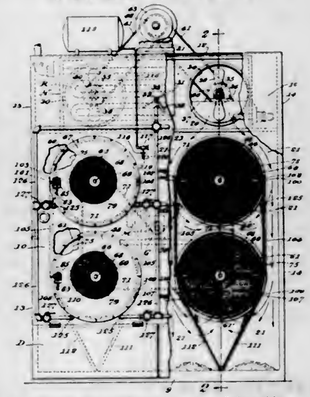
13. As a new article of manufacture, bread containing rope and mold inhibiting quantities of a non-toxic, soluble acetate salt containing combined but undissociated acetic acid.

2,271,757

DRYING APPARATUS

Fred S. Boltz, Mansfield, Mass.

Application March 25, 1938, Serial No. 198,048
8 Claims. (Cl. 34—82)



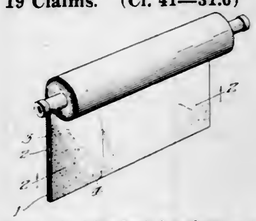
1. In a laundry drier, in combination, a casing providing an air heating chamber communicating with a hot air chamber and a cool air chamber also provided by said casing below said heating chamber, means providing a drying compartment within said hot air chamber communicating with the cool air chamber, said drying compartment having an inlet from said hot air chamber positioned so as to cause a stream of air to travel downward partially around said drying compartment in said hot air chamber and then in a curved path before entering the drying compartment thereby tending to cast off lint, means for recirculating air through said chambers and compartment, and a screen disposed across said curved path.

2,271,758

HECTOGRAPH BLANKET COMPRISING A CELLULOSE DERIVATIVE GEL AND METHOD OF PREPARING AND USING SAME

William J. Champion, Berwyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

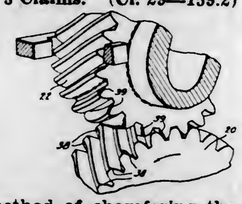
Application May 20, 1940, Serial No. 336,226
19 Claims. (Cl. 41—31.6)



1. A hectograph blanket having a copy mass

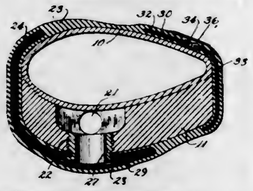
of a cellulose derivative hydrophilic gel whose liquid portion consists of a solvent for a water and alcohol soluble dye adapted to be transferred from a copy sheet.

2,271,759
METHOD OF PROCESSING GEARS
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application April 10, 1935, Serial No. 15,652. Divided and this application October 25, 1939, Serial No. 301,257
3 Claims. (Cl. 29—159.2)



1. The method of chamfering the teeth of a work gear comprising meshing an unhardened work gear with a hardened tool gear having teeth with protuberances on end portions of their working faces, rotating the meshing gears in fixed axial relationship, and reducing the distance between the axes of the rotating meshing gears until a suitable depth of metal is displaced from the end portions of the working faces of the work gear by the protuberances on the tool gear teeth.

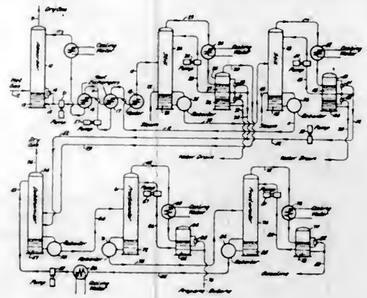
2,271,760
APPARATUS FOR PREVENTING THE ACCUMULATION OF ICE
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 19, 1939, Serial No. 285,297
19 Claims. (Cl. 244—134)



1. Apparatus for preventing the accumulation of ice upon an object having a leading edge, said apparatus comprising stretchable surface means disposed across the leading edge and at the sides of said leading edge, and means for extending the surface means outwardly from the leading edge, said surface means having a greater extent of stretchability at one side of the leading edge than the other whereby under the extension it is caused to be moved predominately to the last-mentioned side.

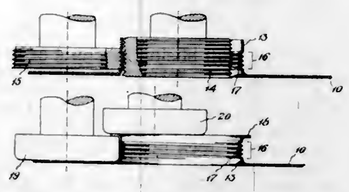
2,271,761
PROCESS FOR TREATING HYDROCARBONS
Clarence D. Coulter, Los Angeles, and Edwin R. Cox, Huntington Park, Calif., assignors to Southwestern Engineering Company, Los Angeles, Calif., a corporation of California
Application December 17, 1938. Serial No. 246,352
2 Claims. (Cl. 196—8)

1. A continuous process for treating hydrocarbon gas which includes: absorbing said gas in an absorption oil to form a rich oil; stripping the absorbed hydrocarbon gas from said rich oil by multiple stage distillation; returning the residual absorption oil to the process at the point of absorption of said hydrocarbon gas; fractionating off and removing substantially all of the methane and ethane and absorbing in an absorbent medium substantially all of the propane and heavier hydrocarbons contained in the hydrocarbons stripped from said rich oil, said absorbent medium being substantially free from propane and butane and consisting of gasoline constituents present in the hydrocarbon gas being treated; the pressure at which the methane



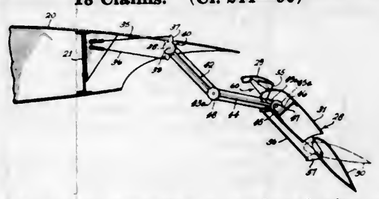
and ethane is stripped from the rich oil being greater than the pressure at which said fractionation and said absorption in the absorbent medium take place; fractionally distilling and removing from the rich absorbent medium hydrocarbon constituents including substantially all the contained propane and butane; and returning the residual absorbent medium to the process at the point of absorption of propane and heavier constituents; the quantity and character of said hydrocarbon constituents removed from said rich absorbent medium being such as to maintain the composition and quantity of the absorbent medium in the process substantially constant.

2,271,762
METHOD OF MAKING BUNG OPENINGS
Charles T. Draper, Cleveland Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 16, 1938, Serial No. 246,119
9 Claims. (Cl. 29—148.2)



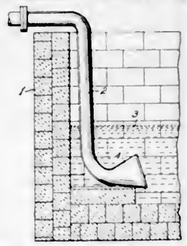
1. The method of making an integral threaded flanged bung opening neck in a sheet metal wall including the steps of drawing an annular neck in a sheet metal wall to define an opening therein, externally and internally roller swaging a zone of said neck to form external and internal smooth V-threads therein, and then forming an outturned flange on said neck spaced from said wall.

2,271,763
DUPLEX AILERON CONTROL
Harlan D. Fowler, San Diego, Calif.
Application August 13, 1940. Serial No. 352,386
18 Claims. (Cl. 244—90)



1. An airfoil including a cambered wing comprising a main portion and a trailing portion, a rearwardly extensible flap adapted to be faired under the said trailing portion, said flap including a nose slat at the leading edge of the flap and adapted to be moved relative to said leading edge to open and close a slot, and control means providing for mechanical control of the nose slat when the flap is retracted, partially or fully extended.

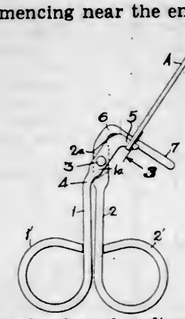
2,271,764
JET
Carl E. Hell, Lakewood, Ohio
Application August 1, 1940, Serial No. 349,381
1 Claim. (Cl. 299—141)



Means for introducing a fluid such as steam into an active chemical solution, said means comprising a conduit section of ductile metal and an integral discharge nozzle communicating with the conduit, said nozzle comprising a frustroconical section having an enlarged opening at its base or discharge end and having an annular locking recess in its inner wall adjacent its open end, and an orifice insert comprising a member having an annular wall for cooperating locking engagement with the locking recess in the nozzle, said insert being formed in its entirety of a graphitic carbon material.

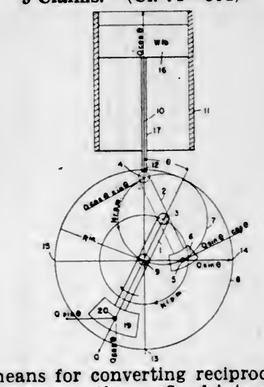
2,271,765
BOBBIE PIN OPENER
Virginia L. Hildebrand, Sacramento, Calif.
Application June 18, 1941, Serial No. 398,597
6 Claims. (Cl. 132—1)

1. A bobbie pin opener comprising a pair of pivoted shanks, each having finger-engaging means at an end thereof, and a spreader element carried by the opposite end of each shank, the said spreader elements being angularly disposed with respect to the shanks and arranged so they engage with one another when the finger-engaging means are adjacent one another and the shanks are in substantial parallel relation, the said spreader elements when positioned in engagement being adapted to be inserted through the looped end of a bobbie pin, and one of the spreader elements having an increasing thickness commencing near the end where it joins its



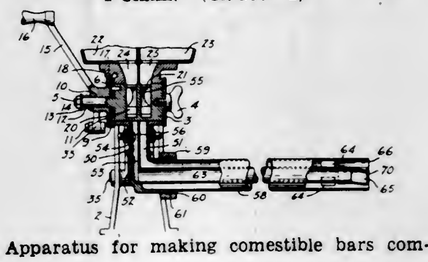
associated shank and ending at a point near its free end.

2,271,766
ENGINE
Harry A. Huebotter, Flint, Mich.
Application May 6, 1940, Serial No. 333,618
9 Claims. (Cl. 74—604)



1. In means for converting reciprocating motion into rotary motion, a fixed internal gear, a main eccentric mounted for rotation in bearings concentric with said gear, an auxiliary crank mounted for rotation within said eccentric and provided with a gear meshing with said internal gear, a reciprocating member connected in operative relation to said auxiliary crank, and a counterweight on said crank having its centroid at substantially the crankpin distance from the axis of rotation of said crank and having a mass substantially equal to the mass of the reciprocating parts.

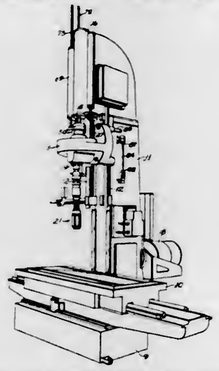
2,271,767
APPARATUS FOR FORMING CONFECTIONS
Robert R. Hummel, East Cleveland, Ohio
Application March 4, 1938, Serial No. 193,963
1 Claim. (Cl. 107—1)



Apparatus for making comestible bars com-

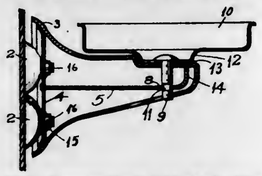
prising separate compartments for receiving and holding different comestibles, separate pumps for the compartments to withdraw comestible material therefrom and advance the same, each pump including a cylinder and a piston slidable therein, and mechanism for actuating the pistons in synchronism including a pivoted arm and linkages connecting the arm to both pistons, one linkage being adjustable to vary the relative movement of the piston connected thereto with respect to the pivoted arm.

2,271,768
HONING MACHINE
Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application November 17, 1937, Serial No. 174,955
12 Claims. (Cl. 51—34)



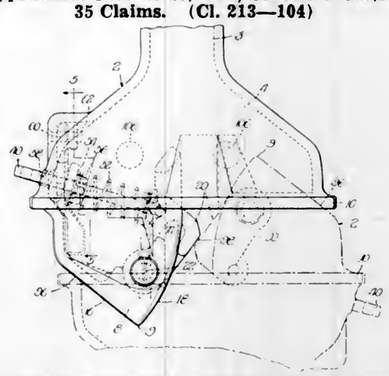
1. In a honing machine, in combination, a frame, a head mounted for reciprocation on said frame, a spindle journaled on said head adapted to carry an expansible and contractible honing tool, hydraulically actuated means for expanding and contracting the tool, a control rod mounted on said frame, a pair of spaced cams on said rod, an arm on said head engageable with said cams in the reciprocation of said head, said arm operating upon engagement with one cam to shift said rod in one direction and upon engagement with the other cam to shift the rod in the opposite direction, and means operated in response to the shifting of said rod to control the action of said hydraulically operated means.

2,271,769
DISH SUPPORTING BRACKET
Abram T. Kieft, Grand Haven, Mich.
Application March 20, 1940, Serial No. 325,078
3 Claims. (Cl. 248—206)



2. In a dish supporting bracket, the combination comprising a hollow housing having a bell-like base portion and an extended portion, the said extended portion having an opening in spaced apart relation to the said bell like base portion, a flange seated within the said bell like base portion and having extending into the said extended portion, a strap like member, a dish supporting receptacle having an annular grooved trunnion extending into the said extended portion and engaged in the said annular groove by the said strap like member.

2,271,770
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 20, 1939, Serial No. 300,307
35 Claims. (Cl. 213—104)



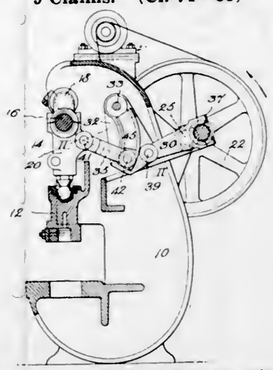
1. In an automatic coupling, mated coupler heads, each comprising a housing presenting adjacent its forward end a peripheral flange for abutment with the mating coupler, a tapering nose projecting beyond said flange, an opening adjacent said nose for reception of the nose of the mating coupler, locks pivoted adjacent the forward ends of said noses with locking faces in engagement with each other at ends remote from said pivots when said couplers are in normal pulling position, resilient means retaining said locks in normal locked position, an operating arm connected to each of said locks for manual movement of said lock, a cam member pivoted at one end in each of said coupler heads with anti-creep means engaging means on the adjacent operating arm, said cam member being retained in normal locked position by engagement with the opposing coupler, said operating arm being operable to rotate the associated lock to lock-set position wherein said lock-set lock may be slidably engaged by the lock of the mated coupler as said couplers are uncoupled for release of said lock-set.

28. In a car coupling, mating coupler heads each presenting a lock for abutment with the lock of the mating coupler, lock operating means, and anti-creep means automatically operative when said couplers are coupled, said anti-creep means including a member movable into engagement with said operating means by cam engagement with said mating coupler.

34. In a coupler, a head in the form of a housing presenting at the forward end thereof projecting means and an opening receiving the projecting means of a mating coupler, a lock pivoted in said projecting means and extending into said opening for abutment with the lock of the mating coupler, resilient means extending between said lock and a wall of said housing, an operating member connected to said lock, and means on said head adapted to cooperate at times with means on said operating member and the mating coupler for holding said lock in lockset position

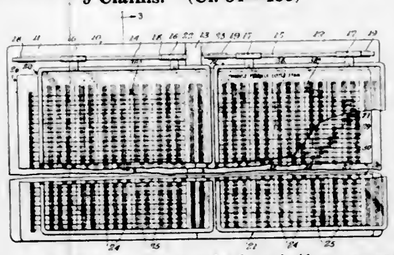
for an uncoupling operation, said lock cooperating with the lock on said mating coupler to automatically disengage the means on said head and the means on said operating member.

2,271,771
ADJUSTABLE STROKE PRESS
William Klocke, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application May 21, 1941, Serial No. 394,439
9 Claims. (Cl. 74—38)



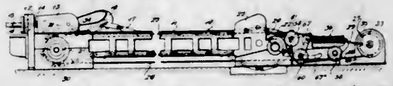
1. A mechanical press having a variable stroke, comprising a frame, a reciprocatory tool-carrying slide, and means for reciprocating said slide comprising a toggle-lever connection between the slide and frame, a pivoted lever, a link connecting said pivoted lever and said toggle-lever, a driving-link connected to said pivoted lever, means for reciprocating said driving-link, and means for connecting said toggle connected link to said pivoted lever in various positions of adjustment with respect to the axis on which said pivoted lever turns.

2,271,772
SYSTEM OF MUSICAL NOTATION
Dominick A. Maffei, Bayside, N. Y.
Application July 11, 1941, Serial No. 401,895
9 Claims. (Cl. 84—483)



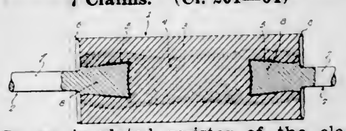
1. In a system of musical notation, a score sheet and a keyboard sheet in adjacent facing relation, one of said sheets being transparent and superposed upon the other, said score sheet containing musical notations representing a selected musical composition, said notations being arranged according to a two coordinate system one representing time intervals and the other tone intervals, the said keyboard sheet containing thereon a plurality of piano keyboard stripes spaced to correspond with the tone intervals on the score sheet, at least one of said sheets being movable with respect to the other whereby the position of said musical notations with respect to the stripes on the keyboard sheet may be altered to effect a transposition of the said composition into any selected key.

2,271,773
DRAW BENCH
Edwin J. McIlvried, Stow, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application December 9, 1940, Serial No. 369,315
10 Claims. (Cl. 205—3)



1. In a draw bench having a die mount and a carriage movable relative thereto, means for moving the carriage away from the die mount during a drawing operation, means for returning the carriage toward the die mount after a drawing operation, and means for limiting the return movement of the carriage comprising a cable having one end connected with the carriage and its other end anchored.

2,271,774
MOLDED INSULATED RESISTOR
George E. Megow, South Milwaukee, and Homer G. Thomson, Milwaukee, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 9, 1939, Serial No. 260,756
7 Claims. (Cl. 201—64)

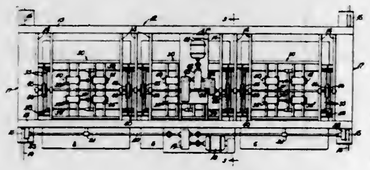


1. In an insulated resistor of the class described, a supporting and insulating framework for a core of dispersed conductor particles comprising insulating material containing polymerized resin binder in the form of a solid sleeve integrally continuous with a minutely cellular inner core, minute conductor particles embedded in said cells distributed throughout said core to form a conducting path surrounded by insulating material, electrode sockets in opposite ends of said core, said sockets having inwardly extending portions along the sides thereof, and electrodes having heads embedded in said sockets, said heads having lateral extensions thereon in engagement with said inwardly extending portions of said sockets to preclude removal of said heads, said framework being in the shape of a straight-sided elongated body with transverse ends with chamfers at the juncture between the side surfaces and the end surfaces.

2,271,775
TRAVELING CRANE
John E. Minty, Muskegon, Mich., assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., a corporation of New Jersey
Application January 19, 1940, Serial No. 314,610
15 Claims. (Cl. 212—4)

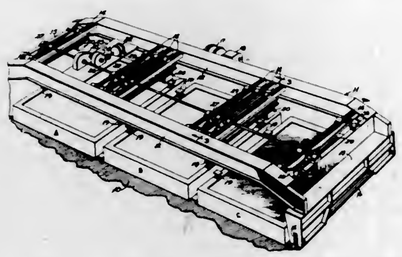
1. The combination of a crane arranged to span longitudinally a row of movable members such as soaking pit covers, a plurality of devices on said crane shiftable into and out of engagement with respective ones of said members when

positioned in operative relation with them, means on said crane for simultaneously raising and lowering all of said devices and any member or members engaged by the latter, actuating means for moving individual ones of said devices into and out of member-engaging position, a preselection control means associated with said actuating means for preliminarily conditioning the



latter to move a selected one or more of said devices into member-engaging position, and means actuated automatically in response to a completion of the movement of said devices into operative relation with the members for instituting the operation of said actuating means with respect to the preselected one or ones of said member-engaging devices.

2,271,776
SOAKING PIT COVER CRANE
John E. Minty, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application March 28, 1940, Serial No. 326,310
11 Claims. (Cl. 212—4)



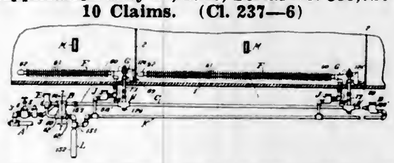
1. The combination with a plurality of individually movable members alined in a row and which are to be manipulated, of a crane bridge arranged to move transversely of the row of covers in spanning relation thereto, a first set of connecting means carried by respective ones of said movable members, a second set of connecting means engageable with corresponding ones of the first set when in registry therewith and carried by said bridge, the connecting means in said second set being alined with each other longitudinally of the row, the connecting means in the first set being disposed so that those on each member are offset transversely of the row with respect to those of every other member in the row, whereby the connecting means for the second set can only register with those in the first set for one selected member at a time, and power actuated means for raising and lowering in unison all of said second set of connecting means and the selected member whose corresponding connecting means in the first set is engaged thereby.

2,271,777
SEALING STRUCTURE
Tracy D. Nathan, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 25, 1939, Serial No. 269,874
8 Claims. (Cl. 288—19)



1. A sealing structure for sealing an annular space between male and female pipe members, said structure comprising an endless annular band of resilient material adapted to be mounted in close engagement of one of its faces with a wall of one of the pipe members, and a plurality of annular flanges on the radially opposite face of the band in widely spaced relation and of substantial radial extent adapted to be deflected against the other of said pipe members in sealing relation therewith, said flanges on the one face of the band comprising at least half the radial thickness of said structure in its relaxed state, so as to provide extensive room at such side of the band for flexure of the flanges against the pipe wall to effect sealing despite wide variations in the size and shape of the pipe member.

2,271,778
CONTROLLED VOLUME STEAM HEATING SYSTEM
Paul B. Parks, Oak Park, and Emil E. Stenzel, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application May 17, 1940, Serial No. 335,720
10 Claims. (Cl. 237—6)



5. In a controlled volume steam heating system, a source of relatively high pressure steam, a regulator comprising an inlet chamber communicating with the source, an outlet chamber, a valve controlling the flow from the inlet chamber to the outlet chamber, a thermostat chamber, a thermostatic member in the thermostat chamber, connections for adjusting the valve to restrict the flow of steam as the thermostatic member is exposed to steam temperature, a conduit connection leading from the outlet chamber to the thermostat chamber, a normally closed valve in this conduit adapted to open when the pressure in the outlet chamber rises above a desired maximum, a supply pipe leading from the outlet chamber, a drip member connected at its upper inlet end with the thermostat chamber and at its lower outlet end with the atmosphere, a plurality of radiating devices, an inlet valve for each radiating device, a riser leading from the supply pipe to each inlet valve, a condensate return pipe leading into the drip member, branch return pipes leading from each radiating device into the main return pipe, steam-traps positioned one in each branch return pipe, and a steam-trap between the outlet end of the supply pipe and the return pipe, said last-mentioned trap having a constantly open restricted passage to permit a small continuous flow of steam into the return pipe.

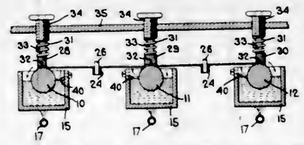
7. In a steam heating system, a steam supply pipe, a radiator positioned at a higher level, an inlet valve at one end of the radiator, a water-seal fitting connected in the supply pipe and adapted to accumulate a pool of water in the lower portion of the fitting, and a conduit leading from below the water-level of the pool up to the inlet valve there being a small fluid passage in the side wall of the lower portion of the conduit above the water-level, but within the fitting.

2,271,779
SPRAY NOZZLE
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application May 15, 1941, Serial No. 393,511
5 Claims. (Cl. 299—140.1)



4. A spray nozzle having a central port for the discharge of an expanding conical stream of material and air, ports on opposite sides of, but adjacent to, the central port for directing against the stream of material and air a pair of opposed jets converging toward each other at an angle of more than 50°, smaller secondary ports, on each of the two sides of the central port 90° about its axis from the positions of the first ports, for directing along paths adjacent to the central stream and on each of the two sides thereof two contiguous jets of air inclined slightly toward each other but equidistant from the central stream, and larger ports farther from the central port but on the same two sides as the secondary ports for discharging opposed sets of converging air jets directed to strike the stream simultaneously from opposite sides to form it into its final fan shape.

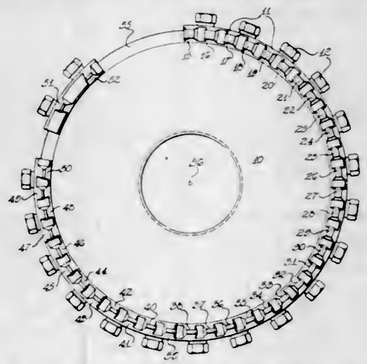
2,271,780
APPARATUS FOR TINNING BLACK PLATE SHEETS TO USE FOR FORMING CAN BODY BLANKS
Harry Sebell, Newton, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.
Application March 18, 1940, Serial No. 324,568
5 Claims. (Cl. 91—12.2)



1. An apparatus for applying a coating of tin to sheet metal comprising an elongated roll partially submerged in a bath of molten tin, means to rotate the roll, and means to feed the sheet to be tinned longitudinally of the roll and in contact therewith.

2,271,781
GEAR CUTTER
Ensign T. Slayton, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 28, 1939, Serial No. 281,563
8 Claims. (Cl. 29—105)

1. A rotary gear cutter having a plurality of cutting blades of progressively increasing height and progressively decreasing point-width, said blades having side and top-cutting edges, the points of intersection of the top and corresponding side-cutting edges of said blades, when

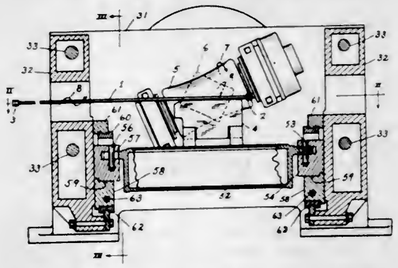


projected into a common radial plane, lying on a line having substantially the same profile shape as that of the tooth surfaces to be cut, and the side-cutting edges of said blades being inclined to said line.

2,271,782
VULCANIZATION OF RUBBER
Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1937, Serial No. 178,111
14 Claims. (Cl. 260—785)

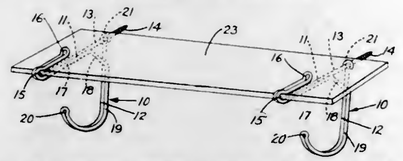
1. The process of vulcanizing a rubber in the presence of an active accelerator of vulcanization of the acidic type and as an activator therefor a primary 2-amino thiazole.

2,271,783
ROUND STRAIGHTENER
John Blair Sutton, Pittsburgh, Pa.
Application August 2, 1940, Serial No. 349,843
22 Claims. (Cl. 153—60)



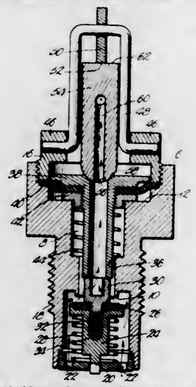
1. In a cross-roll machine the herein described roll moving assembly including a roll support movable into and out of cooperative pass-forming position, a stationary backing structure, toggle connection between the said stationary backing structure and the said movable roll support, and toggle actuating means organized to act on the toggle connection to move the said roll support.

2,271,784
HANGER BRACKET
Charles W. Tritt, Huntington Park, Calif.
Original application December 12, 1938, Serial No. 245,248, now Patent No. 2,206,588, dated July 2, 1940. Divided and this application July 1, 1940, Serial No. 343,347
2 Claims. (Cl. 248—220)



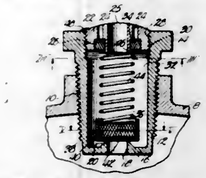
2. A hanger bracket made of a single length of wire, said wire being threaded at one end to permit it to be screwed into a support, a horizontal continuation thereof bent upon itself to form parallel lengths extending horizontally and a loop representing more than 180° of a circle, the looped end of said lengths being bent over upon the structure and extending rearwardly whereby a spring finger will be formed at the end of the horizontal structure, the wire continuing in a downwardly and inwardly extending length providing a brace, after which the wire is bent upon itself to form parallel lengths, the loop portion of which is bent upwardly to provide a hook, the terminating length of the wire extending vertically and lying against the surface of the support into which the fastening element is screwed, and means for securing the final end of the wire to the shank of the horizontal portion carrying the screw.

2,271,785
VALVE
Walter G. Watkins, North Kansas City, Mo.
Application May 13, 1940, Serial No. 334,777
6 Claims. (Cl. 284—17)



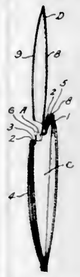
1. A valve of the character described comprising a body provided with a passage therethrough and a seat in said passage; a valve member yieldably maintained against the seat; a hollow stem mounted within the passage for movement toward and from the valve member; a diaphragm circumscribing the stem with its outer periphery secured to the body to establish a transverse partition in the passage; a fitting provided with a bore in communication with the hollow stem; and manually operable means for moving the said valve member, the hollow stem and said fitting in one direction along the passage to move the said valve member from the seat whereby the fitting will form a leak-tight connection with the hollow stem before the latter moves against the said valve member.

2,271,786
SAFETY RELIEF VALVE
Walter G. Watkins, North Kansas City, Mo.
Application November 22, 1940, Serial No. 366,606
5 Claims. (Cl. 137—53)



1. A relief valve of the character described comprising a body provided with a chamber therein and a passage extending from the chamber to the exterior surface of the body at one end of the latter; a plug provided with openings therethrough mounted in the chamber at the opposite end of the body; a valve member normally closing the passage; fusible material closing certain of the openings in the plug, said plug having an annular groove therein in communication with all the openings in the plug, said fusible material closing the openings being in the form of a filling for the said groove; and a spring bearing against the fusible material in the groove and yieldably holding the valve member in the normal position.

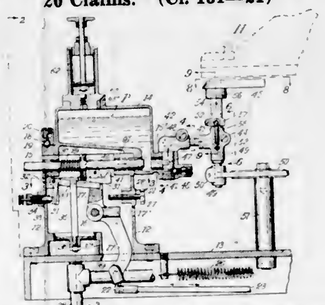
2,271,787
BILLFOLD
John P. Wege, West Bend, Wis., assignor to Amity Leather Products Company, West Bend, Wis., a corporation of Wisconsin
Application May 2, 1940, Serial No. 332,903
1 Claim. (Cl. 150—36)



In a billfold, back and front wall members secured together along the bottom and side edges thereof to provide a main pocket having an upwardly opening mouth, a loose lining flap of double thickness for said pocket comprising front and rear wall members secured together along the bottom and side edges thereof to define within said flap a secret pocket having an upwardly opening mouth, said flap having substantially the same dimensions as the interior of said main pocket and disposed loosely therein between the back and front walls thereof, the front wall of said flap being secured along the upper edge thereof to the upper edge of the back wall of the main pocket which is juxtaposed to the rear wall of said flap whereby to dispose the mouth of said

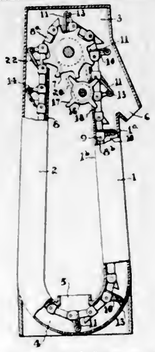
secret pocket behind and close to the attached upper edge of said flap when said flap is disposed in the main pocket, and an additional wall member for defining an auxiliary pocket, said wall member overlying the front wall of the main pocket and being secured thereto along the bottom and side edges, and means for releasably securing the mouth of the main pocket, including cooperating fastener elements carried respectively along the longitudinal upper edges of the front and rear wall members of the main pocket.

2,271,788
PASTER FOR CIGAR MACHINES
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application February 25, 1938, Serial No. 192,458
20 Claims. (Cl. 131—21)



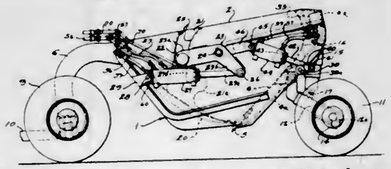
1. In a cigar machine, the combination with a tobacco leaf support, mechanism for applying adhesive to a leaf on said support, said mechanism comprising an adhesive applier, a conduit, a device for feeding adhesive through said conduit to said applier, means for locking said device against adhesive feeding movement, means for releasing said device to feed adhesive into said applier, means for moving said device to feed said adhesive, and means cooperating with said device for controlling the speed of displacement of the adhesive by the adhesive feeding device.

2,271,789
CONVEYER
Albert Francis White, Toronto, Ontario, Canada, assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 27, 1941, Serial No. 380,884
8 Claims. (Cl. 198—170)



1. A conveyer comprising a casing having an upwardly extending substantially entirely enclosing leg and an outlet; draft mechanism in said casing comprising an endless chain mounted to move longitudinally of the leg; a plurality of conveyer flights pivoted on the chain, each flight approximately fitting the cross-section of the said leg; and movable means for engaging the flights seriatim, the point of engagement of said means with said flights being actuated at a greater speed than that of the draft mechanism; to cause the flights to be tilted seriatim to a discharging position when the outlet is reached.

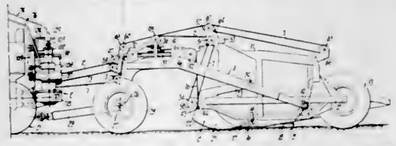
2,271,790
LOAD EJECTOR
George S. Allin, Seattle, Wash., assignor to Isaacson Iron Works, Seattle, Wash., a corporation of Washington
Application September 18, 1939, Serial No. 295,462
(13 Claims. (Cl. 37—126)



6. In a load hauling vehicle of the character described, a bowl, a gate for the bowl movable between closed and open positions, a load ejection shoe movable between normal and load ejecting position, means operable by hydraulic pressure medium for moving the gate, means operable by hydraulic pressure means for actuating the shoe, a source of pressure medium, a piping system connecting the source of supply with the hydraulic means for the gate and shoe, a control device for simultaneously applying actuating pressure to each of said means, a control valve in the shoe actuating system operable under control of the gate operating devices for restraining the shoe against movement until the gate is in a predetermined open position.

11. In a vehicle of the character described, a load receiving bowl having opposite side walls and a back wall of lesser height than the side walls, and sloping downwardly and forwardly, and having a scraping blade across its lower edge, a load ejector comprising a plate normally disposed as an uninterrupted upward continuation of the back wall and means for actuating the ejector plate downwardly along the back wall.

2,271,791
EARTH MOVING EQUIPMENT
Gerald I. Clark, Mountain View, Calif., assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif., a corporation of Nevada
Application October 23, 1939, Serial No. 300,729
8 Claims. (Cl. 37—126)



1. In earth moving equipment, a wheeled frame, a main bowl structure carried by the frame, said bowl structure including a forward earth cutting blade mounted for adjustment in a vertical direction, an auxiliary load carrying

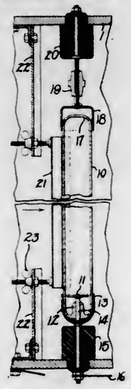
bowl or apron in front of the main bowl and movable in a general vertical direction relative to the cutting blade, means under the control of a single operating lever for independently raising and lowering the cutting blade and raising and lowering the front apron, and means for discharging the main bowl structure.

2,271,792

MEANS FOR TREATING AIR

Alan B. Conant, San Francisco, Calif., assignor to Montgomery Brothers, San Francisco, Calif., a copartnership

Application January 19, 1938, Serial No. 185,736
10 Claims. (Cl. 21—74)



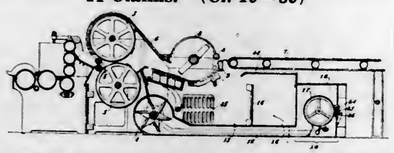
6. Air treating apparatus comprising a conduit, a fan for directing an air stream through said conduit, a discharge tube having an electrode therein supported in said conduit in the path of said air flow, conductive means spaced from said tube for shielding said discharge tube against impact of said air flow over its surface, and means for applying an alternating potential between said conductive means and said electrode to excite said tube.

2,271,793

COTTON PICKING MACHINE AND METHOD

Robert S. Curley, Biddeford, and William Shaw, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application January 21, 1939, Serial No. 252,156
11 Claims. (Cl. 19—89)



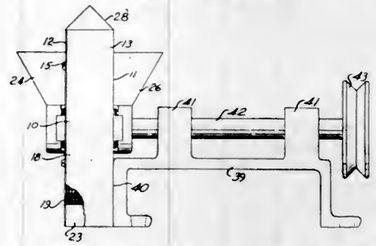
1. That improvement in methods of picking cotton which consists in beating the cotton, conveying the cotton in a stream of air away from the beating point, condensing the cotton out of said air stream, recirculating the air so utilized through the beating and condensing zones, filtering the air stream during its return from the condensing zone to the beating area, and reducing the velocity of the filtered air before delivering it to the beating zone to a value of not over five hundred feet per minute so that the motes beaten out of the cotton can fall freely through the air stream.

2,271,794

GRINDING MACHINE

Harry G. Day, Minneapolis, and John E. Johnson, Atwater, Minn.; said Johnson assignor to said Day

Application September 13, 1939, Serial No. 294,700
2 Claims. (Cl. 83—11)



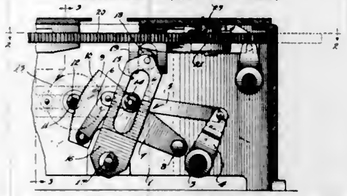
1. A grinding machine comprising a cylindrical screening structure, a casing surrounding and supporting said screening structure, said casing including a rear wall thereof in closing relation to the rear end of said screening structure, a removable cover plate thereof in closing relation to the front end of said screening structure, a portion thereof defining an area in open, surrounding relation to the circumference of the screening structure, a first inlet opening into said rear end of said screening structure, a second inlet opening into said front end of said screening structure and a discharge outlet from said area, a first material receiving hopper upon said rear wall contiguous with said first inlet opening, a second material receiving hopper upon said removable cover plate contiguous with said second inlet opening, a shaft rotatable in said screening structure and situated concentrically thereof, said shaft including an intermediate portion disposed in said first material receiving hopper and an end portion disposed in said second material receiving hopper, a first feed means supported by said shaft situated within said first material receiving hopper, a second feed means supported by said shaft situated within said second material receiving hopper, operating hammers supported by said shaft disposed within said screening structure, and means at the side of said first material receiving hopper opposite said casing rotatably supporting said shaft.

2,271,795

VARIABLE LEVERAGE DEVICE

Daniel Douglas Demarest, New York, N. Y., and Carl Berendt, East Orange, and William Karius, Irvington, N. J., assignors to Automatic Linker, Inc., Newark, N. J., a corporation of New York

Application August 1, 1940, Serial No. 349,212
5 Claims. (Cl. 74—522)



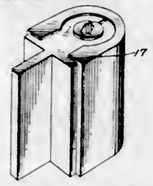
1. In a variable leverage device, an oscillatable shaft, an arm fixed to said shaft, a link pivotally connected to the arm, a lever having a slot therein, a roller on said link positioned in said slot and engaging said lever, a rack having a saddle attached thereto, a roller on said lever engaging said saddle, a pinion engaging said rack, and means to raise or lower the roller on the link in said slot.

2,271,796

ADJUSTABLE ATTACHMENT FOR BRIDGEWORK

Pauline S. Eckman, San Francisco, Calif.

Application July 2, 1940, Serial No. 343,630
1 Claim. (Cl. 32—5)



A device of the character described comprising an anchor housing adapted to be secured to one of two adjacent teeth, said anchor housing having a cylindrical bore extending downwardly from its upper end but extending short of its lower end, said anchor housing having a slot between said bore and one side of the housing slightly less in width than the diameter of the bore, an anchor member adapted to be fixed to the other of said teeth and having a head portion complemental to said bore and slot, said head portion having a tapered bore coaxially with respect to the bore in the housing, said head portion being split between said tapered bore and its perimeter opposite the part thereof which fits said slot, and a tapered set screw fitting said bore and capable of expanding said head portion radially with respect to the bore in the housing to adjust the fit between the head portion and the housing.

2,271,797

METHOD OF TREATING ALCOHOLIC BEVERAGES

Worth C. Goss, Seattle, Wash.

No Drawing. Application January 29, 1940, Serial No. 316,225
2 Claims. (Cl. 99—48)

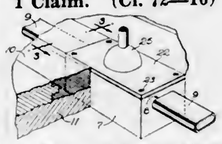
1. The method of improving the taste and flavor of a low grade liquor, comprising placing a charge of activated carbon, previously impregnated with the desirable flavor and taste giving esters, in the liquor to be improved, and causing the dissipation of said esters into the treated liquor due to their displacement by impurities absorbed by the carbon from the treated liquor.

2,271,798

UNDERFLOOR WIRING SYSTEM

Jacob W. Lewin, Chicago, Ill.

Continuation of application Serial No. 167,681, filed October 7, 1937. This application October 10, 1940, Serial No. 360,612
1 Claim. (Cl. 72—16)



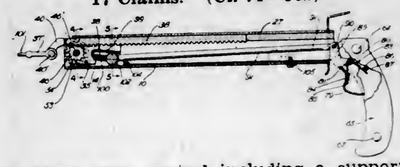
In an underfloor wiring system for a floor structure, a rectangular metal outlet box having transverse planar end walls, a tubular conduit extending out of one of said end walls adjacent to but spaced below the upper edge thereof, a solid sub-floor, a top floor laid directly on said sub-floor and comprising conventional tongue and groove boards, one of said boards having a longitudinal section omitted of a length equal to that of said box, said box being of the same width as said board, said sub-floor having a recess therein for receiving the lower portion of said box with said conduit supported on the top of said sub-floor and said box having its surface flush with said top floor and opposite walls in abutment with the ends of said section, said board having a longitudinally extending recess in the undersurface thereof accommodating said conduit therein.

2,271,799

BRAKE ACTUATOR

Charles S. McCarthy, Toledo, Ohio, assignor to The Bingham Stamping Company, a corporation of Ohio

Application November 7, 1939, Serial No. 303,248
17 Claims. (Cl. 74—502)



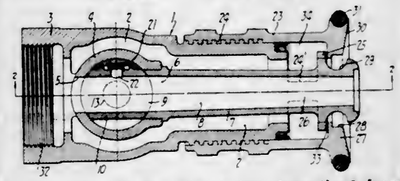
1. Mechanism control including a support; a pair of elements slidably mounted upon the support and arranged for movement in parallel directions and relative to said support; motion translating means interposed between said elements whereby movement of one of said elements is transmitted to the other of said elements; means for locking one of said elements against movement with respect to said support; one of said elements having a hand grip portion associated therewith; and means mounted adjacent said hand grip portion and cooperatively associated with said locking means for releasing the locking means.

2,271,800

FIRE HOSE NOZZLE

Conrad P. Meussdorffer, Ross, Calif.

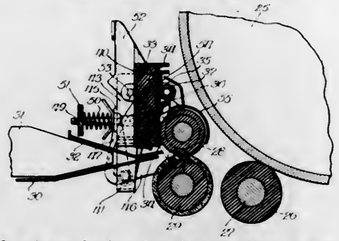
Application July 22, 1939, Serial No. 285,928
1 Claim. (Cl. 299—146)



In a nozzle of the character described having a pair of concentrically disposed tubular members spaced one within the other defining at the outer discharge end of said nozzle a pair of separate, concentrically disposed coaxial, discharge outlets of which the inner outlet of the pair is circular and fully open and the outer outlet of the pair is annular; the outer end of the inner member of said pair at said outlets projecting axially outwardly of the adjacent end of the outer member of said pair, and a radially inwardly projecting flange on said outer member at its outer end adjacent the outwardly projecting end of said inner member; a radially out-

wardly opening, annular, U-shaped groove on said inner member of greater width than the thickness of said flange; the lateral sides and inner edge of said flange being spaced from the sides and bottom of said groove, and said flange being disposed within the radially outwardly projected area of said groove; the inside diameter of that part of said flange adjacent the outer end of said inner member being of substantially greater diameter than the outside diameter of the said outer end of said inner member outwardly of said groove, and the adjacent, axially facing sides of said flange and said groove that are most remote from said outer ends of the inner and outer members being in overlapping relation; means supporting said outer member for axial movement from a position in which said adjacent sides are in tight engagement to a position in which said outer end of said inner member is enclosed by, but spaced from, said part of said flange.

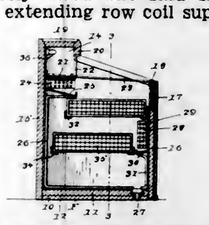
2,271,801
MOISTENING MECHANISM
Robert F. Morrison and Eric W. Peterson, Oak Park, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application August 3, 1939, Serial No. 288,194
14 Claims. (Cl. 91—48)



1. A wiper device for distributing moisture on a roller of a wet process duplicating machine for the application of a film of the moisture to a sheet moving forwardly in contact with the roller, comprising in combination a supporting member movable toward and from said roller, means for moving the supporting member toward the roller, a pad member mounted on said supporting member so as to be movable thereby into pressure relationship with said roller and adjustable manually on the supporting member for bringing different face portions of the pad member into operative position, and wiper means mounted on the face of said pad member at a plurality of different face portions thereof in such position that upon movements of the supporting member toward the roller a selected portion of the wiper means is pressed against the face of the roller as controlled by the adjustment of the pad member.

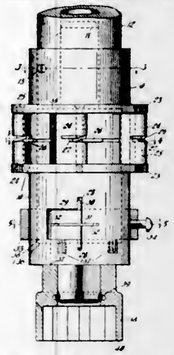
2,271,802
REFRIGERATED CASE
Severin B. Nordskog, Cedar Falls, Iowa
Application February 11, 1941, Serial No. 378,439
3 Claims. (Cl. 62—89.5)

1. In a refrigerator case, a rectangular shaped body including a horizontal floor, front, rear and end walls extending vertically from the said floor, the said floor and walls defining a refrigerating chamber open at the top, the top of the front wall being lower than the top of the rear wall, a shelf extending horizontally from the rear wall in a plane approximately level with the top of the front wall, a horizontally disposed refrigerating coil extending longitudinally of the case immediately below the said shelf, and a longitudinally extending row coil supported in a



vertical plane adjacent the inner side of the front wall in a position spaced from the top and bottom of the said front wall and substantially below the level of the rear horizontal coil.

2,271,803
ATTACHMENT TOOL FOR RECIPROCATING HAMMERS
Fred J. Pfeiffer, Mount Prospect, Ill., and John Q. Kuhn, Newman, Kans.
Application May 26, 1939, Serial No. 275,810
10 Claims. (Cl. 81—54)



1. The combination with a tool having a reciprocating hammer and a cylindrical barrel, of an attachment therefor comprising a shell nonrotatably secured to said barrel, a rotary reciprocating plunger having a portion thereof extending outwardly from one end of the shell and adapted to telescope within said barrel, a second rotary reciprocatory member having a portion thereof extending outwardly from the opposite end of the shell and adapted to receive a wrench socket, means at the adjacent ends of the plunger and said second member for rotating and reciprocating the plunger and said member upon successive blows of the hammer, means to prevent rotation in one direction of said plunger and said second member in respect to the shell and means to transmit the blows of the hammer to the material being worked upon.

2,271,804
SOLUBILIZED GEL AND PROCESS OF MAKING SAME
Frank B. Root, West Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application September 1, 1938, Serial No. 227,968
8 Claims. (Cl. 260—18)

1. A process for solubilizing an insoluble heat-gelled drying oil-resin composition, which comprises subjecting said gel to mastication treatment, whereby it is rendered soluble in varnish thinners.

2,271,805
SEAT SUPPORT
Esley F. Salsbury, Los Angeles, and Lewis D. Thostenson, Inglewood, Calif., assignors to Salsbury Corporation, Inglewood, Calif., a corporation of California
Application November 5, 1940, Serial No. 364,410
3 Claims. (Cl. 180—30)



1. In a vehicle having a frame and a seat for the rider of said vehicle comprising: a hood covering the engine of said vehicle and supported on said frame; a pair of flat spring members each attached at one end to the back of said hood, attached at the other end to the front of said hood, and each having an intermediate portion between the points attached, said portions extending more or less parallel to the normal line of motion of said vehicle; and a seat secured to and supported on said intermediate portions.

2,271,806
SHAVING IMPLEMENT
Henry T. Schiff, Chicago, Ill.
Application May 4, 1940, Serial No. 333,383
1 Claim. (Cl. 30—43)



In a shaving implement a casing having a flat top portion with a centrally depressed recess, an upstanding non-shaving spacer with its lower portion resting within said recess and its upper portion extending above said top portion and separating said top portion into two definitely spaced flat surfaces, a pair of shaving heads, each of said shaving heads having a flat bottom surface resting on top of one of the two spaced flat surfaces of said top portion, said shaving heads spaced by said spacer, each of said spaced flat surfaces of the top portion having a central opening therethrough, driving means in said casing having spaced driving shafts extending upwardly through said central openings in said spaced flat surfaces of the top portion to engage and operate said spaced shaving heads, each of said shaving heads having a pair of apertures on either side of said central opening, springs positioned in said apertures with the tops of said springs bearing against said shaving heads, and the bottoms of said springs bearing against said flat surfaces of the top portion of said casing, said casing having notches on its upper side portions adjacent opposite ends of said top portion, a pair of spaced clamping members adapted to fit within said notches, said clamping members having means adapted to engage opposite ends of said shaving heads, and means adapted to removably attach said shaving heads through said clamping members to said casing.

2,271,807
BOOKMARK
Harry G. Shaughnessy, Detroit, Mich.
Application February 17, 1941, Serial No. 379,239
8 Claims. (Cl. 281—42)



1. A bookmark comprising a length of resilient material formed between its ends with a substantially U-shaped bend and thereby forming arms of unequal length for straddling one or more pages of a book or the like, the shorter arm diverging acutely from the longer one in a direction substantially transverse to the plane established by said bend.

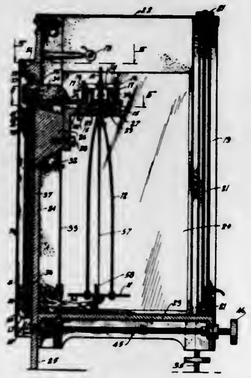
2,271,808
ARTICULATED VEHICLE
Roy S. Starkey, Warrensville, Ohio
Application May 31, 1940, Serial No. 338,019
1 Claim. (Cl. 280—33.2)



An articulated vehicle of the type used for hauling long, heavy and frangible articles, comprising in combination, a tractor member including first and second carriage portions and having a fifth-wheel mounted over the said second carriage portion; a first trailer member including a third carriage portion and having a platform pivotally engageable with the tractor member fifth-wheel, the said first trailer member also having a front bolster portion pivotally mounted on the said platform intermediate the said second and third carriages; a dolly member including a fourth carriage portion flexibly linked to the said first trailer member and having a fifth-wheel mounted over the said fourth carriage portion; a second trailer member including a fifth carriage portion and having a platform pivotally engageable with the dolly member fifth-wheel, the said second trailer member having a rear

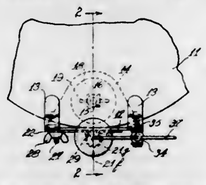
bolster portion slidably and pivotally mounted on the said platform intermediate the said fourth and fifth carriage portions; and a crossed link means mounted on and connecting the said front and rear bolster portions together in parallel relation; all of the said members and means being assembled in a manner whereby only approximately one-half of the vertical and lateral movement of the said carriage portions is imparted to the said articles being hauled.

2,271,809
LABORATORY BALANCE
Fred W. Thompson, Denver, Colo.
Application February 3, 1941, Serial No. 377,156
7 Claims. (Cl. 265—54)



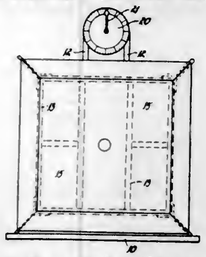
1. In a laboratory balance, the combination with a case having side walls, a back wall, a top, and a floor, a supporting member at the midportion of said back wall; a bracket member extending forwardly into the case from said supporting member; means for supporting a scale beam from said bracket member; vertically aligned bearings on the rear of said supporting member; a lifting rod vertically slidable in said bearings; a beam lifting arm fixed to said lifting rod at its upper extremity and extending forwardly through said supporting member above said bracket member, and means on said lifting arm for lifting a beam from its bearings on said bracket member.

2,271,810
INSTRUMENT GRINDING DEVICE
Thomas J. Waldron, Allentown, N. J.
Application June 28, 1940, Serial No. 343,029
6 Claims. (Cl. 51—125)



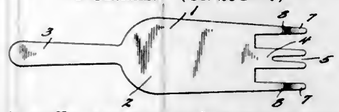
6. In a tool sharpening device, means for holding the tool during the sharpening period comprising; a ball and socket joint disposed on a slidable member, a lock for said slidable member, said ball being recessed to receive the tool to be sharpened, said ball being further recessed, locking means extending within said second recess, to engage said tool, and said locking means being disposed within the area limited by said second recess.

2,271,811
MEANS FOR USE IN THE PRACTICING OF GOLF STROKES
Patrick John Cavanagh, Berhampore, Wellington, New Zealand
Application June 15, 1940, Serial No. 340,821
In New Zealand July 18, 1939
4 Claims. (Cl. 273—35)



1. Apparatus for use for the purposes herein described comprising a vertical frame, a vertically disposed target device in front of the frame, a plurality of vertically spaced, pivotally mounted links on each side of the target extending rearwardly and downwardly therefrom, means for pivotally mounting the rear portions of the links on the frame, some of said links extending rearwardly from their point of pivotal attachment to the frame to form levers, counterbalance means on the ends of said levers nearly balancing the load of the target but permitting the target to overcome the effect of the counterbalance, means for limiting movement of the target in a forward and downward direction, and means for indicating displacement of the target.

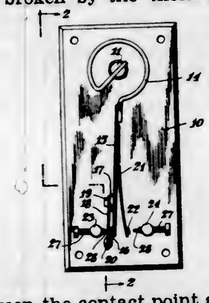
2,271,812
WAFFLE REMOVER AND SERVER
Jackson E. Clemings, Tucson, Ariz.
Application March 25, 1941, Serial No. 385,127
5 Claims. (Cl. 294—7)



1. A waffle remover and server comprising a support, a handle extending from one end of the support, guide means extending from the opposite end of the support adapted to engage and travel along a sectional dividing rib of a waffle iron and elevating means associated with the support for lifting a waffle above and in advance of the support.

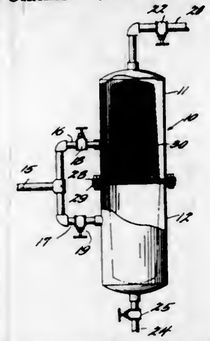
2,271,813
THERMOSTATIC BREAK AND MAKE CONTROL
John Edward Clayton, Jr., Milltown, N. J.
Application December 13, 1939, Serial No. 308,922
1 Claim. (Cl. 200—138)

In a device as described comprising, in combination with a thermostat which makes and breaks the current, an insulated unit which unit is attached to one side of said thermostat at a point near where the said thermostat makes a contact to complete a circuit, said unit being of sufficient length to project past said contact point, said unit working on a pivot on the end which is attached to said thermostat, the other end of said unit being free to rotate and having a weight to swing said unit into action when the current is broken by the thermostat, said unit



going between the contact point and the place of contact with the thermostat, and preventing the thermostat from making further contact until said insulated unit is manually removed therefrom.

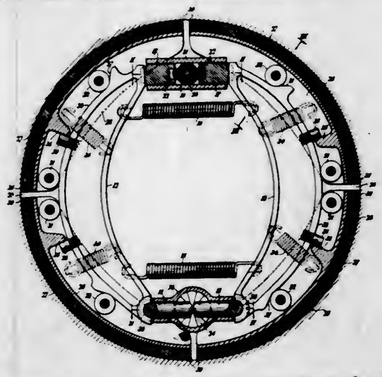
2,271,814
FILTERING APPARATUS
Richard Newell Coolidge, Nashville, Tenn.
Application February 19, 1941, Serial No. 379,676
3 Claims. (Cl. 210—168)



1. In apparatus for filtering solids from liquids, in combination, a chamber, a bag-like flexible filter element extending across said chamber and dividing the latter into two sections, conduit means for introducing liquid to be filtered into one of said sections, conduit means for discharging filtered liquid from the other said section, waste conduit means associated with said first section, and means for introducing liquid into said second section and causing the same to flow through said filter element in the opposite direction to the normal flow and out through said waste conduit, for everting and cleaning said filter element.

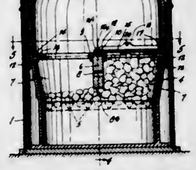
2,271,815
INTERNALLY EXPANDING BRAKE
Frederick Raymond Cowell, Leeds, England, assignor to Kirkstall Forge Limited, Leeds, Yorkshire, England
Application April 3, 1941, Serial No. 386,710
In Great Britain November 14, 1940
10 Claims. (Cl. 188—78)

1. An internally expanding brake, comprising a brake drum, a pair of brake-shoe-carriers mounted within the drum, means for retaining the carriers in an inoperative position, an expander for moving the carriers outwardly to apply the brake, a plurality of brake shoes mounted on each carrier for limited circumferential movement in relation thereto all of said shoes being arranged to present one end to the brake drum before the other on outward movement of the



carriers, and means operative, on circumferential movement of the shoes when contacted by the revolving brake drum, to tilt the shoes in relation to the carrier so as to approach the remote ends of the shoes towards the drum, thereby equalising the braking pressure over the contacting faces of the shoes and the drum.

2,271,816
FURNACE
Pius P. De Witt, St. Louis County, Mo.
Application June 17, 1940, Serial No. 340,975
14 Claims. (Cl. 126—147)

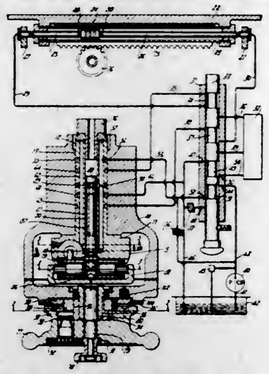


1. A furnace comprising a fire pot in the lower portion thereof, a partition for said fire pot, the upper portion of said partition terminating adjacent to the top of said fire pot and the lower portion of said partition terminating at a level above the bottom of said fire pot and forming chambers connected by an opening beneath said partition and above the bottom of the fire pot, and a movable cover for selectively covering either of said chambers and cutting off communication between fuel in the closed chamber and the space above said fire pot.

2,271,817
MICROMETER MECHANISM
Hans Ernst, Cincinnati, and Albert H. Dall, Silverton, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application September 9, 1938, Serial No. 229,136
15 Claims. (Cl. 121—45)

1. In a machine tool having a support and a slide movable relative to said support, the combination of a servo-motor having one part fixed

and the other part operatively connected to said slide, a servo-control valve for said motor having one part operatively connected for actuation by said slide, an actuator for the other part of said



valve, a fluid operable clutch for connecting said actuator to said other part, a source of fluid pressure, and means for connecting said fluid pressure to said valve and to said clutch.

2,271,818

DISTEMPER VACCINE AND METHOD OF PREPARING THE SAME

Robert G. Green, Minneapolis, Minn., assignor to Fromm Laboratories, Inc., Hamburg, Wis., a corporation of Wisconsin

No Drawing. Application February 6, 1939, Serial No. 254,971

4 Claims. (Cl. 167—78)

1. Method of modifying distemper virus for the production of a vaccine capable when injected into minks, of immunizing the same against typical distemper which comprises passing the virus serially through animals of the family Canidae for a sufficient number of passages to materially reduce the normal distemper death rate of minks injected therewith.

2,271,819

DISTEMPER VACCINE AND METHOD OF PREPARING THE SAME

Robert G. Green, Minneapolis, Minn., assignor to Fromm Laboratories, Inc., Hamburg, Wis., a corporation of Wisconsin

No Drawing. Application February 6, 1939, Serial No. 254,972

4 Claims. (Cl. 167—78)

1. Method of modifying distemper virus for the production of a vaccine capable when injected into red foxes of immunizing the same against typical distemper which comprises passing the virus serially through animals of the group consisting of minks, weasels, stoates and martens for a sufficient number of passages to materially reduce the normal distemper death rate of red foxes injected therewith.

2,271,820

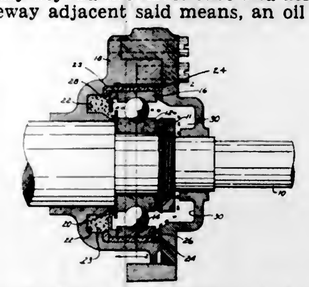
LUBRICATED BEARING

James L. Hamilton, Kirkwood, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri

Application November 6, 1939, Serial No. 302,983

1 Claim. (Cl. 308—187)

In a lubricated bearing having inner and outer races and anti-friction means therebetween to rotatably support a shaft for operation in a substantially horizontal position a bearing support having an oil reservoir extending around the shaft at one side of the bearing, means extending between the bearing and reservoir and substantially spaced from the shaft to provide a constricted passageway therebetween, an oil throwing ring rotatable with the shaft extending outwardly beyond the inner race and across said passageway adjacent said means, an oil absorb-



ent material filling said reservoir and passageway and contacting said ring, said bearing support being further provided with an unobstructed annular passage and chamber at the opposite side of the bearing and communicating therewith, and a plurality of circumferentially spaced passages extending from said reservoir to said chamber across said bearing, said absorbent material extending through each of said circumferentially spaced passages for returning oil to said reservoir.

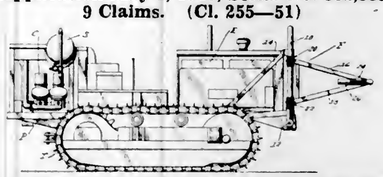
2,271,821

TOOL SUPPORTING FRAME

George L. Hart, Mitchell, Ind.

Application May 1, 1940, Serial No. 332,855

9 Claims. (Cl. 255—51)



1. Drilling apparatus of the class described comprising a tractor having an engine and a drive shaft operated therefrom, a platform on the rear of said tractor having an air compressor supported thereon and operated from the tractor drive shaft, a drilling assembly comprising a drilling frame in front of and attached to said tractor and an air drill carried thereby, means on said tractor and said frame to adjust the latter about a transverse horizontal axis and support it in a substantially vertical plane when the tractor is on a slope, means to adjust the drill relatively to the frame about an axis parallel to the aforesaid axis, and an air line connecting said compressor and said drill for operating the latter.

2,271,822

BOWL

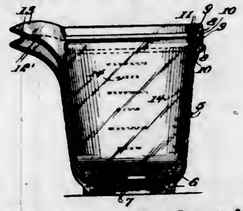
Olive E. Hills, Pampa, Tex.

Application February 19, 1940, Serial No. 319,761

1 Claim. (Cl. 65—13)

A bowl of the character described comprising a conical body closed at the bottom reduced end and having the upper open end portion flaring

outwardly, a cylindrical rim formed on the flaring top portion of the body and having a diameter enlarged relative to the diameter of the body to form an annular laterally protruding nesting shoulder at the bottom of the rim, an annular in-



wardly directed seat forming flange formed at the juncture of the flared top of the body and the cylindrical rim, and an outwardly directed pouring spout formed at the top of the body and the rim at one side thereof.

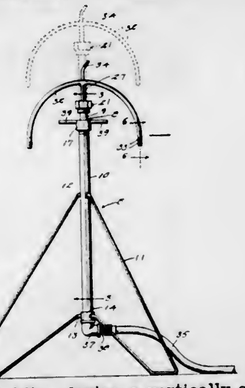
2,271,823

LAWN SPRINKLER

Conrad Hundertmark, Yemassee, S. C.

Application March 24, 1941, Serial No. 384,972

2 Claims. (Cl. 299—69)



2. In a sprinkling device, a vertically supported tube, a tubular section slidably mounted in the first mentioned tube for vertical adjustment, a cap nut mounted on the upwardly projecting end of the adjustable tube section, an upstanding feed pipe having its lower portion rotatably mounted within the cap nut, a tubular sprinkler head of approximately semicircular curvature having communicative connection with the upper end of the said pipe and having its ends closed and depending with relation to its center portion, the said depending end portions of the head having a plurality of longitudinally spaced discharge apertures therein, and a tubular projection having communicative connection with the center portion of the head and extending upwardly therefrom.

2,271,824

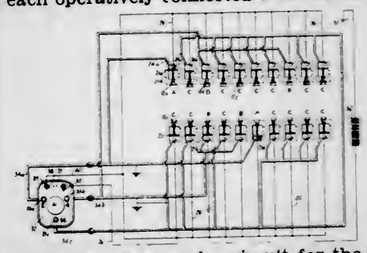
PNEUMATIC CONTROL DEVICE

Winthrop Asa Johns, Belle Mead, N. J., assignor to Godfrey Manufacturing Corp., New Brunswick, N. J.

Application May 21, 1941, Serial No. 394,557

11 Claims. (Cl. 123—182)

1. In combination with a multi-cylinder engine and with decompression valves on cylinders of said engine, a fluid actuated signalling device, control means for the fluid actuating said device, each operatively connected with one of said



decompression valves, and a circuit for the fluid actuating said signalling device comprising all of said control means in parallel with each other.

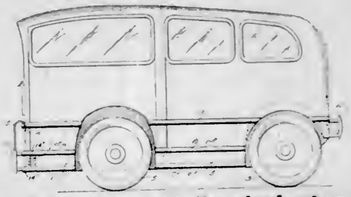
2,271,825

AUTOMOBILE GUARD STRIP

James V. Martin, Hempstead, N. Y.

Original application July 21, 1931, Serial No. 552,238. Divided and this application June 20, 1938, Serial No. 214,829

6 Claims. (Cl. 293—57)



1. In combination with the wheels of an automobile, an auto body on said wheels, each of said wheels located within a wheel housing completely inclosing the upper part of the said wheels from a point below its wheel center and a removable panel on the outside of the said wheel, the said panel-carrying guard strips with mortised connections to adjoin similar parts on the guard strips of the body side wall.

2,271,826

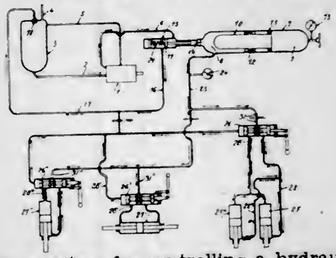
PLANT FOR PNEUMATIC, HYDRAULIC, OR LIKE FLUID CONTROL

Jean Mercier, Neuilly-sur-Seine, France

Application November 17, 1936, Serial No. 111,223

In France November 27, 1935

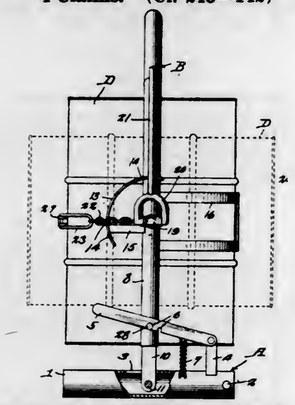
5 Claims. (Cl. 103—42)



3. In a system for controlling a hydraulically operated device, the combination of a storage tank for liquid under pressure, resilient means associated with said tank for varying the pressure therein in accordance with the amount of liquid present in said tank, a feeding tank, a

pump system connected with said feeding tank, including a delivery chamber, means for limiting the pressure in said chamber to a predetermined value, a communication between said delivery chamber and said storage tank, a check valve mounted in said communication adapted to open only in the direction of said storage tank and conduit means, wholly independent of said feed circuit, for connecting said storage tank with said device to be operated.

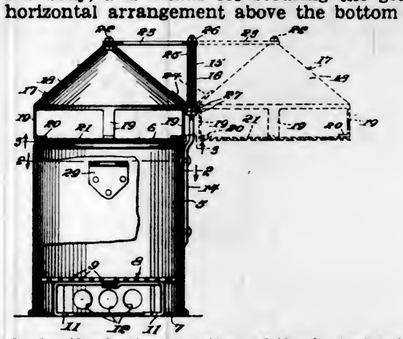
2,271,827
BARREL STAND
Carl S. Nichols and William E. Sweatt, Bruni, Tex.
Application February 11, 1941, Serial No. 378,466
4 Claims. (Cl. 248—142)



4. A device of the class described including connected tubular members constituting a base, an upwardly extending frame connected to the base for swinging movement about an axis extending transversely of and within the base, barrel embracing and clamping means rotatably mounted in the frame, said means and frame cooperating, when moved upwardly relative to the base, to lift a barrel while on end off of a base supporting structure and into position above the base, and cooperating means on the frame and base for holding them against relative swinging movement while the barrel is supported in raised position.

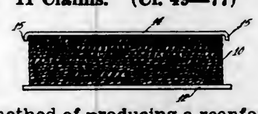
2,271,828
NO-SPARK TRASH BURNER
Marvin E. Peacock, Camden, Ark.
Application August 26, 1940, Serial No. 354,265
3 Claims. (Cl. 110—18)

1. In an incinerator, a vertically disposed hollow cylindrical body open at the ends, a pintle forming member secured to the body and projecting substantially upward thereof at one side, a conical top member having its lower base portion of a diameter approximately corresponding to the diameter of the body, a plurality of circumferentially spaced arms formed on and depending from the bottom edge of the top, each of the said arms having an inbent horizontal extension at the lower end for seating on the top edge of the body, a flat circular screen secured to the said bottom arm extensions adapted to be positioned horizontally over the top end of the body when the top is in closed position, a plurality of brackets connecting the top with the pintle so that the top may be swung horizontally to an offset open position, a grate in the lower portion of the body, and means for securing the grate in horizontal arrangement above the bottom of



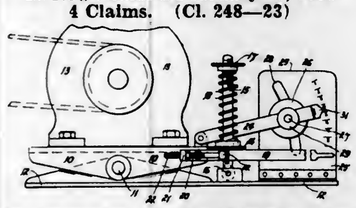
the body, the bottom portion of the body having a plurality of openings therein below the said grate.

2,271,829
POROUS PRODUCT AND ITS MANUFACTURE
Milton A. Powers, Detroit, Mich.
Application November 7, 1939, Serial No. 303,277
11 Claims. (Cl. 49—77)



1. The method of producing a reenforced product form fibrous glass, consisting in the steps of positioning a sheet of screen-like material between at least two sheets of fibrous glass of lower melting point than said screen-like material, and subjecting the assembled sheets to a temperature sufficiently high to cause said fibrous glass to cling to said sheet of screen-like material.

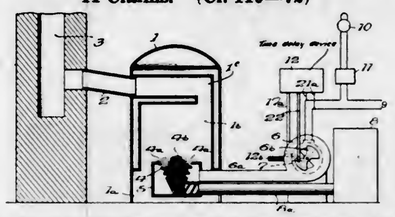
2,271,830
BELT DRIVE TRANSMISSION MEANS
Francis William Pye, Auckland, New Zealand
Application February 8, 1940, Serial No. 318,008
In New Zealand February 10, 1939
4 Claims. (Cl. 248—23)



3. An apparatus of the character described, comprising a base plate, a platform designed to support a prime mover, which platform is pivotally mounted at about midway in its length upon such base plate by transversely extending pivotal means, regulatable spring pressure means acting on one end of the platform to keep such end down, lifting means combined with the platform and base plate and adapted to raise the end of the platform on which the downward spring pressure is acting and to retain such end in a raised position, means for braking or damping the tipping movements of the said platform consisting in a flat plate fixed to extend vertically from the said base plate and provided with a curved slot therein, a pair of spring arms

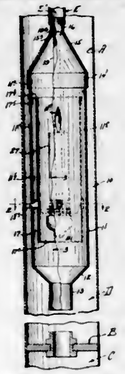
fastened to the platform to pass across the respective faces of the said flat plate, a friction disc fastened to each arm to engage the surface of the flat plate, a pin passing through both spring arms, both friction discs and the said curved slot, formed with a head on one end and provided with a nut screwed upon its other end, and a compression spring surrounding the pin between the said nut and the adjacent spring arm.

2,271,831
STOKER CONTROL SYSTEM
Ernest T. Selig, Jr., Kansas City, Mo.
Application September 23, 1940, Serial No. 357,964
11 Claims. (Cl. 110—72)



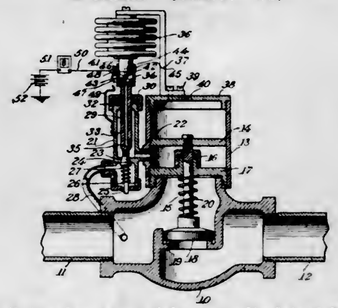
1. In combination, a solid fuel burner, intermittently operating means for supplying fuel to said burner, a blower for supplying air to said burner, a damper for controlling the flow of air to said burner normally arranged to restrict the flow of air to less than full blast, a worm driven by said fuel supply means, a follower operated by said worm, a connection from said follower to said damper for operating said damper, means for normally biasing said follower out of engagement with said worm, and means rendered operative upon starting said fuel supply means for moving said follower into engagement with said worm.

2,271,832
GAS AND WATER SEPARATOR FOR WELLS AND THE LIKE
Frank R. Shultz, McFadden, Wyo.
Application May 13, 1940, Serial No. 334,953
4 Claims. (Cl. 166—2)



1. A device for use in conjunction with a well delivery line for limiting fluid intake to liquids comprising a vertically extending tubular casing closed at the bottom having openings formed in the sides thereof; an inlet pipe extending axially within said casing communicating at the top with the delivery line; a chamber open at the bottom mounted on the open bottom end of said pipe having a plurality of valve seats formed therein, a removable plug for closing the open bottom of said chamber; standards on said chamber, guides mounted on said standards; sliding valves carried in said guides adapted to close said valve seats; a tubular float freely vertically slidingly sleeved upon said pipe sensitive to fluid level within the casing, and swivel elements connecting said float and said sliding valves whereby upward movement of the former causes unseating the latter.

2,271,833
THERMOSTAT CONTROLLED VALVE
Carl N. Shipman and Roy P. Grissom, Oklahoma City, Okla.; said Shipman assignor of sixteen and two-thirds per cent to R. G. Lett and sixteen and two-thirds per cent to Dan C. Paxton, both of Oklahoma City, Okla.
Application May 29, 1940, Serial No. 337,924
1 Claim. (Cl. 277—21)



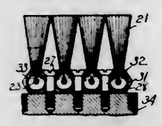
A pilot valve comprising a cylindrical housing, a pipe entering the housing adapted for connection with a main valve, a valve seat in the housing below the pipe, a spring pressed needle valve in the seat projecting above the seat and closing upwardly, a by-pass pipe entering the housing adapted for connection with the intake side of a main valve permitting fluid to pass into the housing and out through the first named pipe when the needle valve is open, a push rod slidably mounted in the housing and abutting the top of the needle valve, there being an axial vent in the push rod opening through the top of the push rod and through the side of the push rod, a stem disposed above the top of the housing adapted to operate the push rod, a valve on the stem adapted to close the vent opening in the top of the push rod when the push rod is moved by the stem to open the needle valve, retrograde movement of the stem to initial position moving the stem valve to open the vent in the top of the push rod and permitting the spring of the needle valve to close the needle valve, fluid being vented through the first named pipe and through the axial vent in the push rod when the needle valve is closed and the stem valve is open, and a tubular collar on said stem loosely overlapping the upper end of the push rod adapted to direct waste fluid from the axial vent to the exterior of the housing.

2,271,834
METHOD OF TREATING MERCAPTOTHIAZOLES WITH AMMONIA DERIVATIVES
Edward L. Carr, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application March 3, 1939, Serial No. 259,712
5 Claims. (Cl. 260—306)

1. The process which comprises reacting one

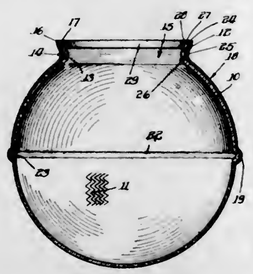
equivalent of 2-mercaptobenzothiazole with one equivalent of ammonia in an aqueous medium comprising at least two equivalents of an inorganic alkali and at least 2.5 equivalents of ammonia with a reagent comprising an alkali metal hypochlorite, the temperature of the solution being maintained below 30° C.

2,271,835
BRUSH STRIP
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application January 13, 1939, Serial No. 250,727
13 Claims. (Cl. 15—199)



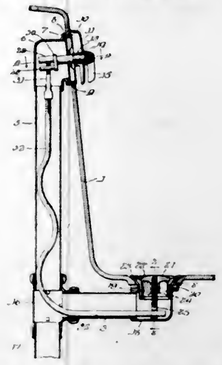
1. A brush strip of suitable length to be incorporated in a brush structure, said strip having a channel with a plurality of uniformly shaped and relatively angularly disposed inwardly facing flat surfaces to create a plurality of definite binding places of substantially similar formation on opposite sides of the channel both above and below the level of the core for brush material secured within and projecting out of the channel in said structure.

2,271,836
LAMP GLOBE
John G. Francis, Chicago, Ill., assignor to Chamberlain, Inc., Chicago, Ill., a corporation of Illinois
Application September 24, 1938, Serial No. 231,555
4 Claims. (Cl. 240—100)



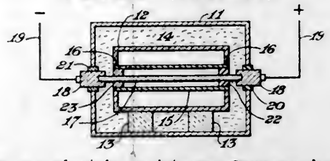
1. A lamp housing comprising a globe of transparent material for enclosing a lamp, said housing having an opening defined by a neck about the said opening having an annular groove, a one-piece metallic ring spun about the neck of said globe to reinforce the globe about the neck, a portion of the ring about the outside of the globe being spaced from said annular groove of the globe to form a cushion between the globe and the ring, and a shield of sheet material conformable to a substantial portion at least of the exterior globular surface of said housing about the neck, said shield residing in conformity with the said exterior surface and in light reflecting relationship with respect to the uncovered portions of the housing and being integral with the ring for support thereby.

2,271,837
COMBINED WASTE AND OVERFLOW MECHANISM
Edward A. Fredrickson, Chicago, and Roy H. Zinkil, Oak Park, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 6, 1941, Serial No. 373,214
7 Claims. (Cl. 4—199)



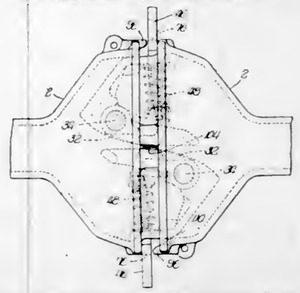
1. In a waste and overflow mechanism, the combination with a receptacle having respective waste and overflow orifices, a substantially L-shaped conduit having end portions associated with the orifices of the said receptacle, a closure member cooperating with the said waste orifice, substantially L-shaped rod means within said L-shaped conduit removably connected to the said closure member and extending substantially to the said overflow orifice, said rod means within the said L-shaped conduit comprising a plurality of undulations, lifting means for said rod means positioned within said overflow orifice whereby convex portions of the undulations of the said rod means slidingly contact with diametrically opposite inner peripheral portion of the said conduit to guide the said rod means upon actuation of the said lifting means.

2,271,838
ELECTRIC FURNACE RESISTOR ELEMENT
Joseph D. Hanawalt and Lorne A. Matheson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 6, 1939, Serial No. 302,964
4 Claims. (Cl. 13—20)



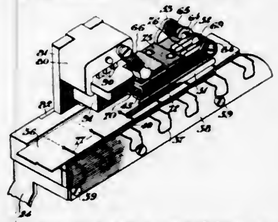
1. In an electric resistance furnace including a furnace shell having mounted therein a furnace chamber having electrically conducting walls, a resistor construction comprising an electrically conducting protection tube extending into the furnace chamber and in electrical contact with a wall thereof, a resistor mounted within the protection tube and spaced therefrom, electrical contact means connecting the protection tube and the resistor at only one position along the length of the latter, and means for connecting the resistor and protection tube in series across a source of current.

2,271,839
CAR COUPLER
Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 1, 1940, Serial No. 363,823
23 Claims. (Cl. 213—104)



1. In an automatic coupler comprising a hollow head of funnel form presenting a tapering nose, an opening laterally thereof for reception of a mating nose, a lock pivoted in said nose and normally projecting into said opening for engagement with the lock of the mating coupler, an operating arm pivoted to said lock, a spring surrounding said arm and operable to retain said lock in normal position, said operating arm being movable to rotate said lock, and lockset means comprising a shoulder on said arm cooperating with a projecting member on the mating coupler.

2,271,840
PRICE TAG MARKING MACHINE
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application June 5, 1939, Serial No. 277,363
9 Claims. (Cl. 101—292)



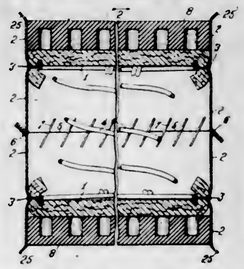
1. In a price marking machine, a frame, a printing head slidably mounted in said frame, a guideway, feeding means for successively feeding tickets to position beneath said printing head, an inking pad pivotally mounted on said feeding means for lifting movement against the face of the type supported in said printing head, a slide resiliently engaging the inking pad, and a cam for actuating said slide, said cam providing an abrupt shoulder to permit rapid release of said inking pad from said type, prior to return movement of said feeding means.

2,271,841
PRICE MARKING TAG
Frederick Kohnle, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application April 22, 1940, Serial No. 330,922
2 Claims. (Cl. 40—25)

1. A price marking tag consisting of a folded strip of paper providing flaps, one flap including another flap interposed between it and the merchandise, and, said first mentioned flap including an incision terminating in a circular aperture, said incision being substantially tangential to the aperture.



2,271,842
CUSHION UNIT FOR UPHOLSTERY AND METHOD OF MAKING THE SAME
Fred A. Nachman, Jr., Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,595
7 Claims. (Cl. 5—351)

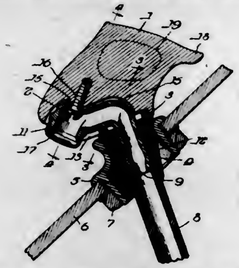


1. A cushion unit for upholstery comprising a conventional spring assembly, a continuous batt structure of greater width than said assembly disposed about the same with its side edge portions embracing the peripheral edges of the top and bottom portions of the latter, fabric strips secured between their side edges to side edge portions of the said batt and presenting oppositely extending flaps along the sides of said assembly, opposed portions of said flaps being secured together in a plane substantially midway between the top and bottom portions of said assembly and providing side closures for the latter, corresponding other portions of said flaps extending outwardly from a load-supporting face of the batt-enveloped assembly along the side edges thereof, and a resilient unitary pad of foamed latex or the like disposed between and secured to said last-named flaps.

2,271,843
HOSE SPRAY HEAD
Thomas P. Newman, Geneva, Eugene W. Marchand, Jr., Maywood, and Edward A. Fredrickson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 3, 1939, Serial No. 302,646
10 Claims. (Cl. 299—112)

1. A spray head comprising a casing having an inlet and an outlet, the said inlet having connection to a suitable source of water supply, a spray face member secured to the said outlet, a handle for the said casing, the said handle having a lower overhanging portion and a finger grip portion, the said overhanging portion including a recess, ribs in the said recess and around a portion of the casing for the predetermined positioning of the said casing in spaced relation to the bottom

of the said recess, whereby a clearance is provided between the said casing and the said han-



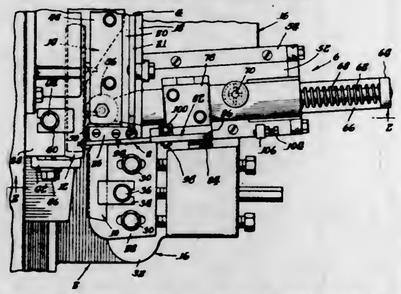
dle, and means accessible through said outlet for assembly of said casing with said handle.

2,271,844

SCREW AND WASHER FEEDING DEVICE

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application January 15, 1940, Serial No. 313,979
9 Claims. (Cl. 10—162)



1. In combination, a first slotted guide for guiding and supporting headed fastener elements, a second slotted guide receiving the headed fastener elements from the first guide and guiding the elements along a path transverse to the first guide, and members shiftably mounted in the second guide for movement in a direction longitudinally of the second guide, said members being normally positioned on opposite sides of the slot in the first guide and of configurations to extend the top, supporting surface of the first guide and also the opposite side surfaces of the slot in said first guide across the slot of the second guide for guiding and supporting each element as it passes from the first to the second guide across the slot of the second guide to prevent canting of the element as it moves into the second guide.

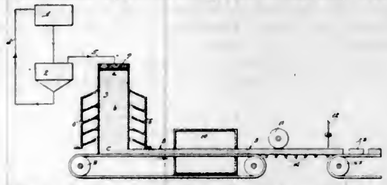
2,271,845

PROCESS FOR MAKING POROUS MATERIAL

Joseph R. Parsons, Gypsum, Ohio, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application December 9, 1937, Serial No. 178,872
9 Claims. (Cl. 106—55)

1. A process for the production of a porous material of the character described which comprises subjecting a mass of individual substantially nonporous particles in substantially noncontacting relationship to a temperature sufficient to fuse the surfaces of the individual particles and subsequently contacting said fused-surfaced particles to form a solid mass whereby said particles upon cooling are integrally bonded



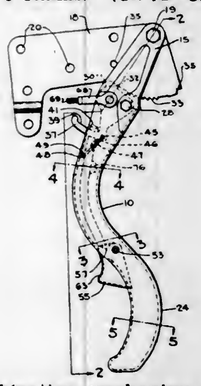
together at their points of contact to form a porous mass.

2,271,846

LEVER CONSTRUCTION

Willard C. Skareen, Toledo, Ohio, assignor to The Bingham Stamping Company, Toledo, Ohio, a corporation of Ohio

Application September 20, 1940, Serial No. 357,624
6 Claims. (Cl. 74—537)



1. In combination, mechanism control including a support having a toothed surface; a lever formed of sheet metal having at one end parallel side wall portions straddling and pivotally connected to said support and terminating at its other end in a hand grip portion; a pawl pivoted to said lever; a finger trigger formed of sheet metal pivoted to said lever adjacent the grip portion; a rod having one end connected to said finger trigger and having a laterally extending portion at its other end normally spaced from said pawl but arranged to withdraw said pawl from engagement with the toothed surface upon movement of said finger trigger toward the grip portion of said lever; and a coil spring connecting said rod and said pawl for holding the pawl into engagement with the toothed surface of said support and holding the laterally extending portion of said rod out of engagement with said pawl.

2,271,847

FASCIA BOARD FOR BRACKETS FOR VENETIAN BLINDS

John S. Stark, Sharonville, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Ohio

Application December 30, 1940, Serial No. 372,265
8 Claims. (Cl. 156—17)

1. A bracket for holding a fascia board for a Venetian blind, comprising a U-shaped member having an arm adapted to be mounted upon a vertically residing face of a window framing member, another arm adapted, alternatively, to be mounted on a horizontally extending face of a window framing member and a third arm which resides in spaced, substantially parallel relationship to the first arm, the said third arm having a portion of



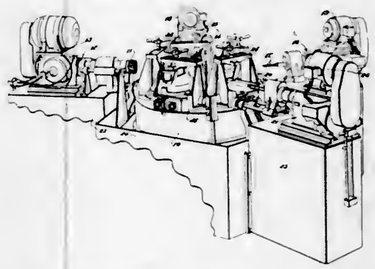
its face bent out of plane of configuration of the face so as to extend forwardly therefrom to constitute a recess having an entrance opening residing adjacent said face for receiving an endwise portion of a fascia board.

2,271,848

INDEXING MECHANISM

George E. Tcimpidis, Cincinnati, Ohio, assignor to The Bradford Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application November 2, 1938, Serial No. 238,314
7 Claims. (Cl. 90—56)



1. In an automatic machine, a support, a circular table mounted for rotation on said support, means for intermittently rotating said table, a tool slide mounted adjacent said support and carrying a tool for performing an operation on the work, an indexing motor for driving said means for intermittently rotating said table, means for closing the circuit to said motor, a switch operated by said rotating means causing stopping of the motor instantly, latching means operated by said rotating means for fixing the table in position at the respective stations, electrical means energized when the indexing motor has stopped for moving the tool into the work in its operating cycle, and, a switch controlled by said tool holding the circuit to the index motor open when the tool slide is out.

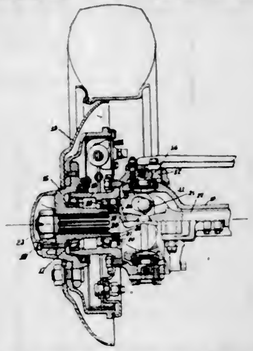
2,271,849

DRIVEN STEERING WHEEL UNIT

Robert C. Wallace, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana

Application September 21, 1940, Serial No. 357,673
3 Claims. (Cl. 301—126)

1. In a vehicle, an axle element, a wheel hub, bearings interposed between said axle element and wheel hub of such character that axial movement of the wheel hub relative to the axle element will effect radial adjustment of said bearings, a rotatable shaft within the axle element and non-rotatively associated with the wheel hub to cause rotation thereof and projected through said hub, a hub-engaging element on the outer end of said shaft and axially adjustable thereon, and means other than the



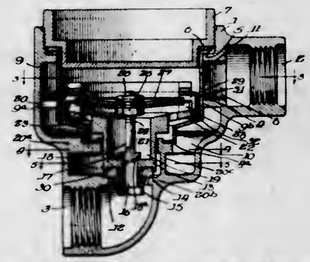
aforesaid hub-engaging element limiting outward withdrawal of the hub from the axle element.

2,271,850

VALVE

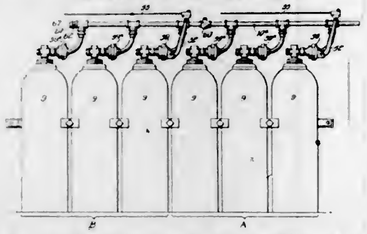
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application November 3, 1939, Serial No. 302,648
2 Claims. (Cl. 236—93)



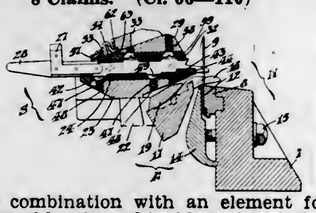
1. In a thermostatically controlled valve, a body having an inlet adjacent the top of the body and an outlet adjacent the bottom thereof, a sleeve-like partition within the said body, an internal annular partition on said body in sealing relation with the sleeve-like partition and the upper chamber formed by said annular partition connecting with the said inlet, and the said internal annular partition having an opening therethrough at a location opposite the inlet, and another internal annular partition on said body below the first said annular partition having the lower extremities of the sleeve-like partition in sealing relation therewith, and the said second lower annular partition having an opening therethrough at a location opposite the opening in the first said annular partition, a hollow plunger main valve and a seat therefor, a vertical baffle between the said second lower annular partition and the said seat, and the said vertical baffle having an opening therein opposite the opening in the said second lower partition, the said hollow plunger main valve being reciprocably movable in said sleeve-like partition, the said sleeve-like partition having an opening in the said inlet, a leaky auxiliary valve within the said hollow plunger main valve, a bimetallic thermostatic diaphragm directly controlling the opening and closing movements of the said leaky auxiliary valve and indirectly controlling the movement of the hollow plunger main valve by relieving the pressure which normally holds the main valve to its seat.

2,271,851
FIRE EXTINGUISHING APPARATUS
Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application September 7, 1938, Serial No. 228,748
14 Claims. (Cl. 169—11)



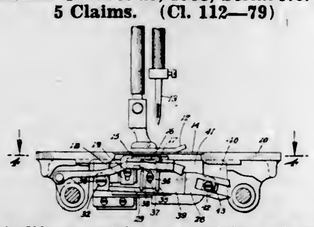
5. In combination with a plurality of groups of containers, a manually operable discharge head for one container in each group, a back pressure operated discharge head for the other containers of said groups, a common discharge manifold, discharge connections between said discharge heads and manifold, and a check valve in said manifold between the discharge connections of said groups operating to prevent back pressure due to the discharge of a container in one group from operating a container of the other group.

2,271,852
BEARING CONSTRUCTION FOR KNITTING MACHINES
Alvin L. Brumbach, Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application June 16, 1938, Serial No. 214,058
8 Claims. (Cl. 66—110)



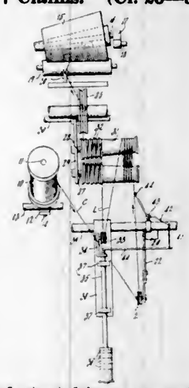
1. The combination with an element formed essentially of hard machinable resinous phenolic condensation material, of a plurality of hard ferrous metal parts each having groove wearing contact therewith along a surface not over .007 inch in width.

2,271,853
TUFTING MACHINE
Michael Chinnici and Rosario Canish, Brooklyn, N. Y.
Application October 15, 1938, Serial No. 235,133
5 Claims. (Cl. 112—79)



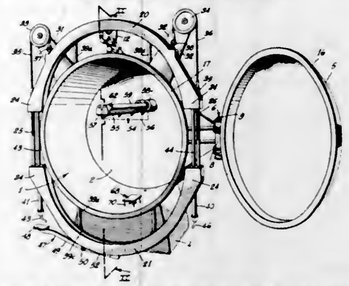
4. A tufting machine comprising a horizontally reciprocable carriage, fixed tracks supporting and guiding said carriage, means for reciprocating said carriage, an arm disposed substantially horizontally next said carriage and pivoted thereto at one end and projecting at its other and outer end beyond the carriage and having a slot sloping downwardly and toward said outer end, fixed means projecting into said slot for swinging the arm up and down as reciprocated, a forwardly projecting blade on the carriage, and a rearwardly projecting blade on the arm, said blades being in slidable engagement with each other and cooperating to cut tufts looped on the forwardly projecting blade of the carriage.

2,271,854
CORD STRETCHING APPARATUS
Robert J. Clarkson, Hogansville, Ga., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 13, 1941, Serial No. 383,139
7 Claims. (Cl. 28—57)



1. In a cord stretching apparatus in combination, cord supply means, power driven cord takeup mechanism, a cord stretching weight arranged to be floatingly supported by a looped portion of the advancing cord, a pair of cooperating tapered rolls having the cord wound thereabouts in successive runs and arranged to advance the cord to said loop, and means operable by the rising of said weight to shift the cord winding towards the larger ends of said rolls to thereby advance the cord faster to the loop.

2,271,855
APPARATUS FOR STEAM CURING
Arch B. Cleveland, Los Angeles, Emil G. Haag, Alhambra, and Cecil L. Ray, Los Angeles, Calif.; said Haag and said Ray assignors to said Cleveland
Application December 26, 1939, Serial No. 310,950
9 Claims. (Cl. 18—7)



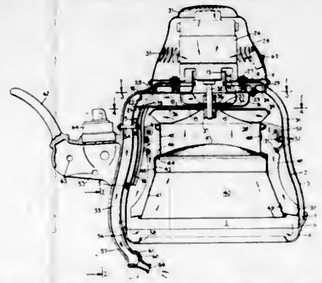
1. In a steam curing apparatus for vulcanizing uncured rubber parts of tires, the combination

of: a curing chamber connected to a steam supply; a supporting member secured to one wall of said chamber and extending horizontally within the interior of said chamber in the upper portion thereof; and means for supporting tires placed in a position encircling said support member comprising a roller means carried on the upper side of said support for engaging the beads of said tires.

2,271,856
INTERNAL COMBUSTION ENGINE
Carl E. Cummings, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 15, 1939, Serial No. 268,121
2 Claims. (Cl. 184—1)

1. In connection with an internal combustion engine having surfaces adapted to be contacted by a lubricating oil, and in which the oil is normally subject to deterioration by oxidation and sludge formation, the method of retarding such deterioration of the oil which comprises forming at least that portion of the surface of the engine which is adapted to be contacted by the oil of a durable coating of tin of sufficient thickness to last over an extended period of the order of the normal life of the engine.

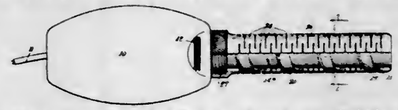
2,271,857
HAIR DRIER
James Edward Dwyer, New York, N. Y., assignor to E. Frederics, Inc., New York, N. Y., a corporation of New York
Application December 27, 1937, Serial No. 181,851
3 Claims. (Cl. 34—62)



2. A hair drier having a casing, said casing comprising a hood and a chamber separated from said hood, an air conduit arranged along the outside of the hood leading from above the hood to the lower edge thereof for delivering a stream of cool air, said chamber communicating with said conduit, a fan positioned in said chamber for forcing cool air through said chamber and said conduit, another fan positioned inside said hood for circulating hot air therein, and motor means in said casing for driving said fans.

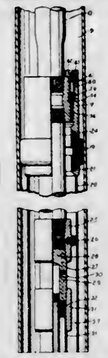
2,271,858
SHAVING DEVICE
Joseph A. C. Galvao, Brooklyn, N. Y.
Application June 28, 1938, Serial No. 216,229
4 Claims. (Cl. 30—43)

1. In an electric shaver, an inner rotatable member; an outer cutting member; a circumferentially expansible helical inner cutting member secured to the inner rotatable member, normally in shearing contact with the outer cutting member, supported at spaced points on the inner rotatable member, and spaced therefrom intermediate the points of support; and guiding means



on said inner rotatable member to maintain the coils of said helical inner cutting member in proper spaced relationship from each other.

2,271,859
TWO STAGE INTERMITTER
Henry Udell Garrett, Dallas, Tex., assignor to The Gulberson Corporation, Dallas, Tex., a corporation of Delaware
Application December 5, 1938, Serial No. 243,975
11 Claims. (Cl. 103—233)

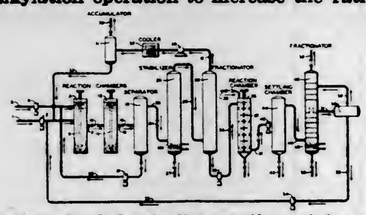


1. A two stage intermitter mechanism for use in wells consisting of a flow line having upper and lower sections extending from the surface of the well to a point near the bottom thereof, a capped casing, a packer on the lower section which when set defines a high pressure gas chamber between the packer and the top of the casing, means enclosing a low pressure gas chamber separated from the high pressure gas chamber, a pressure differential valve assembly leading from the high pressure chamber into the low pressure chamber, means whereby the gas in the low pressure chamber is periodically admitted into the fluid in the lower section so as to lift it into the upper pressure chamber, and means whereby gas in the high compression chamber is periodically admitted into the fluid in the upper section to lift it to the surface.

2,271,860
TREATMENT OF HYDROCARBONS
Arthur R. Goldsby, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 17, 1938, Serial No. 190,941
6 Claims. (Cl. 196—10)

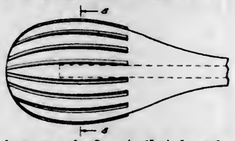
1. A process for the manufacture of higher boiling isoparaffins useful as motor fuel from low boiling isoparaffins and olefins, which comprises subjecting a hydrocarbon fraction containing low boiling isoparaffins, olefins and normal paraffins to alkylating conditions whereby the isoparaffins are condensed with the olefins to form higher boiling normally liquid isoparaffins, separating the normal paraffins from the reaction products, isomerizing the normal paraffins to isoparaffins

and charging the last mentioned isoparaffins to the alkylation operation to increase the ratio of



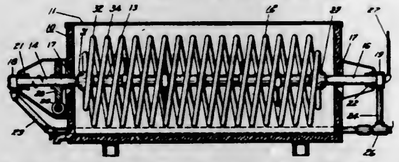
isoparaffins to olefins in the reaction mixture and to react with the olefins to produce further quantities of higher boiling isoparaffins.

2,271,861
CLEANING SWAB
Floyd M. Harris, Merchantville, N. J.
Application March 4, 1937, Serial No. 128,963
9 Claims. (Cl. 15—210)



1. A cleaning swab for toilet bowls or the like, said swab consisting of a swab portion and an elongated handle portion of less diameter than the swab portion, each of said portions having the characteristic that it disintegrates rapidly in water whereby the complete swab is disposable in a toilet bowl.

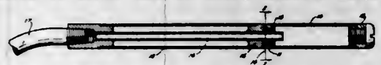
2,271,862
PASTEURIZING DEVICE
Newel F. Hedgdon, Cedar Rapids, Iowa
Application October 14, 1940, Serial No. 361,032
4 Claims. (Cl. 257—79)



2. In a device of the character described, a pair of heater coils wound in helical, substantially parallel fashion, a tubular shaft disposed axially thereof, means for feeding a heat transfer fluid through the input end of the tubular shaft into one of the heater coils, means for exhausting said fluid into the tubular shaft, means for discharging the fluid from the tubular shaft into the second of the heater coils at a point adjacent the input end of the first heater coil, and means for discharging the fluid from the second heater coil through the end of the tubular shaft opposite the input end.

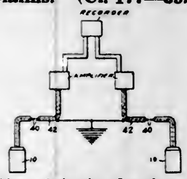
2,271,863
STATIC PRESSURE MEASURING TUBE
Sven Holm, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application September 18, 1940, Serial No. 357,235
3 Claims. (Cl. 73—31)

1. Apparatus for measuring the static pressure of a gas flowing through a duct comprising; a closed tube having a closure member at one end thereof formed with a plurality of small orifices extending axially of the tube for admitting gas to its interior; means disposed opposite and closely adjacent the outer ends of said orifices to form one or more narrow slots ex-



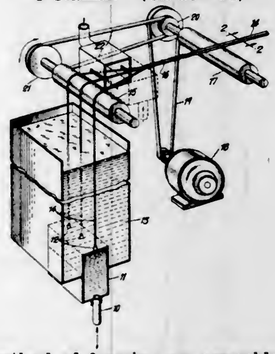
tending transversely of the tube axis wherein gas flowing across said end of the tube forms a fine, turbulent free gas film of low velocity flowing over said orifices; and means connecting the interior of said tube to a pressure indicator.

2,271,864
SEISMIC WAVE DETECTOR
Pierre M. Honnell and Lin W. Dickerson, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 10, 1938, Serial No. 212,980
3 Claims. (Cl. 177—352)



1. In a vibration detector having a magnet unit comprising a magnet and pole pieces forming an air gap therebetween, an output coil and means for resiliently suspending said coil entirely within said air gap, a casing of magnetic material for said magnet unit, said casing forming a magnetic shield for said unit, means for insulating said magnet unit from said casing, and a two lead output cable for said coil, one of said leads forming a shield for the other lead and electrically connected to the magnet unit, the arrangement being such that the magnet unit and shielded cable lead form an electrostatic shield for said output coil.

2,271,865
METHOD OF ASSEMBLING RUBBER FILAMENTS INTO THREAD
Robert Gilbert James and Sydney Frederick Smith, Wylde Green, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application May 10, 1938, Serial No. 206,999
In Great Britain July 16, 1937
8 Claims. (Cl. 18—54)



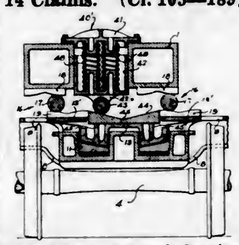
1. A method of forming an assembly of inde-

pendent filaments adhering to each other at limited surfaces of contact which comprises moving a group of separate filaments having adhesive surfaces lengthwise at equal speeds, twisting said moving filaments to bring them into close but limited contact and then drawing said group of filaments into contact with and beyond a surface with sufficient tension against said surface to cause said group to untwist without separating whereby said group of filaments leave said surface without substantial twist and with the surfaces of said filaments in adherent contact.

2,271,866
RECOVERY OF HYDROGEN HALIDE
Thomas R. Liston, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application December 1, 1939, Serial No. 307,115
9 Claims. (Cl. 23—154)

1. A process for recovering hydrogen halide from a gas mixture containing the same and organic vapors produced in the reaction of a halogenated organic compound with an organic compound, which comprises scrubbing the gas mixture with an organic compound of substantially the same composition as one of those employed in the reaction at a temperature such that substantially none of the said organic compound is vaporized to remove organic vapors substantially completely from the gas mixture, and thereafter removing the hydrogen halide from the residual gases.

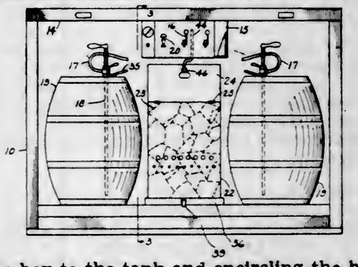
2,271,867
CENTERING ARRANGEMENT FOR LOCOMOTIVE TRUCKS
James C. Maris, Glenolden, Pa.
Application July 25, 1939, Serial No. 286,426
14 Claims. (Cl. 105—189)



12. In combination, a truck having a frame, a locomotive frame, means for pivotally connecting and laterally guiding said locomotive frame on said truck, a mechanical centering device which is operative to effect a centering action between said frames during relative lateral movement between the same when the centering device is near its centered position and is inoperative to produce a centering action upon a predetermined extent of said lateral movement, and yieldable supplemental centering means including a spring pressed mechanical centering device for effecting a centering action at the outer limits of lateral movement when said first mentioned centering device is inoperative.

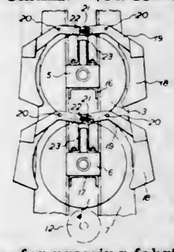
2,271,868
APPARATUS FOR COOLING BEVERAGES
Michael A. Martin, Erie, Pa.
Application July 11, 1939, Serial No. 283,799
5 Claims. (Cl. 62—142)

1. In a beverage cooling apparatus, the combination of a heat-insulated cabinet adapted to receive a beverage container, a box within the cabinet adapted to have a solid cooling agent adapted to be liquefied by heat stored therein, the bottom of the box being adapted to receive liquid to a predetermined level cooled by contact with the cooling agent, a cooling tank, a beverage supply line adapted to connect with the beverage container extending to the tank, conduit means extending from the bottom portion



of the box to the tank and encircling the beverage supply line for a substantial distance, return means extending from the tank to the box, pump means for circulating cooling liquid through the conduit means, tank and return means, and the box being open at the top portion thereof and provided with perforations in the bottom portion thereof whereby air in the cabinet may circulate through the box and in contact with the cooling agent to be cooled thereby.

2,271,869
MACHINE FOR PRESSING FABRICS
Robert Martin and Albert Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,346
In Great Britain September 15, 1938
3 Claims. (Cl. 38—52)

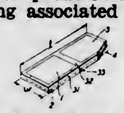


2. A machine for pressing fabrics in a continuous manner, comprising a pair of rotatable paper bowls of large diameter, means for pressing the bowls towards each other to nip the fabric during its passage between the bowls, shoes curved to fit closely against the surface of the paper bowls, means for heating the shoes so as thereby to heat the bowls superficially, means to move the bowls apart from each other to release the pressure between the bowls, and means for withdrawing the shoes away from the bowls automatically upon movement of the bowls apart from each other.

2,271,870
WAVE TRANSMISSION NETWORK
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1939, Serial No. 303,757
17 Claims. (Cl. 171—327)

1. Piezoelectric crystal apparatus comprising a

single piezoelectric crystal adapted to vibrate in a plurality of substantially uncoupled simultaneously effective modes of motion to provide a plurality of resonances which may be independently placed at different predetermined frequencies, said crystal having associated therewith a plu-



rality of functionally independent sets of electrodes for independently controlling said resonances, a dimension made of a value in accordance with the value of one of said frequencies and a different directional dimension made of a value in accordance with the value of another of said frequencies.

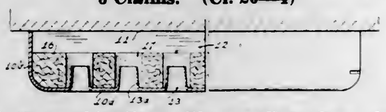
2,271,871

SOUND ABSORBING UNIT

Charles L. Newport and Herbert C. Smith, Los Angeles, Calif.

Application February 13, 1939, Serial No. 256,134

6 Claims. (Cl. 20—4)



4. In combination with a wall surface, dense non-absorptive sheet material in spaced parallel relationship thereto and providing respectively a dense non-absorptive outer or exposed surface parallel to the wall and deep apertures normal to the wall lined by the dense non-absorptive material and leading from said exposed surface directly into the space between the said material and the wall, and sound absorbing material in said space obscured jointly by the material forming the said surface and the material lining the apertures; said sheet material throughout said exposed surface and where it lines the apertures being imperforate and relatively non-absorptive whereby all sound energy reaching said space does so by diffraction through said apertures prior to absorption.

2,271,872

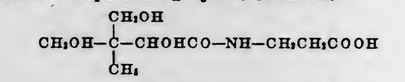
PRODUCTION OF GROWTH PROMOTING SUBSTANCES

Herschel K. Mitchell, Austin, Tex., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 25, 1940, Serial No. 325,839

6 Claims. (Cl. 260—534)

1. A growth promoting substance having the structure represented by the formula:



2,271,873

DIBUTYL ETHERS OF POLYGLYCOLS

Granville A. Perkins, Charleston, Thomas F. Carruthers, South Charleston, and Jared W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 24, 1937, Serial No. 155,434

2 Claims. (Cl. 260—615)

1. As chemical compounds, the dibutyl ethers of the polyethylene glycols having from four to six ethylene glycol units in the molecule.

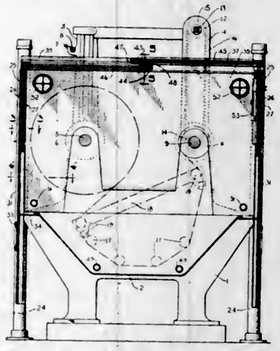
2,271,874

COLORATION OF TEXTILE MATERIALS

Herbert Platt and Cyril M. Croft, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Original application June 14, 1938, Serial No. 213,585. Divided and this application October 5, 1939, Serial No. 298,046

3 Claims. (Cl. 68—13)



3. A dye jig for use in dyeing fabrics, comprising a tub, a frame supporting said tub, an enclosure mounted over said tub, a plurality of upright members supported on said frame and extending beyond the top of said enclosure, said upright members having means thereon for supporting a roll of fabric being treated within said enclosure and separate means for supporting a roll of fabric outside of said enclosure, a divided top for said enclosure for permitting the feeding of fabric to and from the interior of said enclosure and means between the separate portions of the divided top for sealing the same when the top of the enclosure is closed.

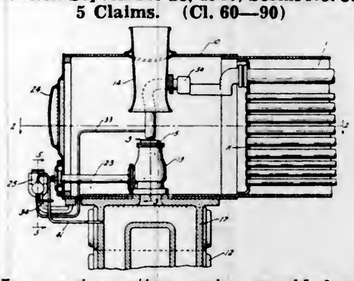
2,271,875

DRIFTING APPARATUS

Rudolf M. Ostermann, Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y.

Application September 18, 1940, Serial No. 357,201

5 Claims. (Cl. 60—90)



1. In a reciprocating engine provided with a steam chest receiving live steam from a boiler and with exhaust passages connected to discharge into an exhaust nozzle in the boiler smoke box; a check valve mounted in said nozzle and so arranged as to tend to open under pressure existing in the space between it and the engine exhaust passages; a connection for supplying live steam to said space; and means operatively connected to said valve and tending to oppose said opening thereof and acting to regulate the pressure existing in the space between said valve and the engine exhaust passages.

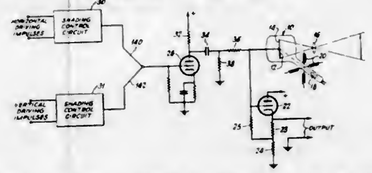
2,271,876

TELEVISION SHADING CONTROL CIRCUIT

Stuart W. Seeley, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 27, 1939, Serial No. 281,359

20 Claims. (Cl. 178—7.1)



1. A shading control circuit for a television transmitting system including means for generating a cyclically varying voltage of substantially saw-tooth wave form and of a frequency corresponding to one of the scanning rates, means including an electronic tube for distorting the wave form to cause the voltage variations thereof to be confined to substantially the final portion of each cycle, additional means for distorting the wave form to cause the voltage variation thereof to be confined to substantially the initial portion of each cycle, and separate manually operable means for independently determining the polarity and for controlling the intensity of each distorted wave form.

2,271,877

FRACTIONATED STARCH NITRATE

Walter O. Snelling and George E. Rees, Allentown, Pa., assignors to Trojan Powder Company, Allentown, Pa.

No Drawing. Application March 15, 1939, Serial No. 262,066

7 Claims. (Cl. 260—235)

1. In fractionating starch nitrate, the method which comprises dissolving starch nitrate in part in a solvent mixture consisting largely of hydrocarbon diluent and substantially anhydrous methanol and separating the resulting solution from the undissolved material at a temperature of approximately 50° C.

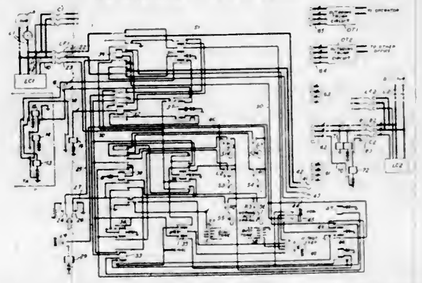
2,271,878

TELEPHONE SYSTEM

Paul W. Wadsworth, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 25, 1940, Serial No. 362,771

23 Claims. (Cl. 179—18)



1. In a two-motion step-by-step selector comprising a set of brushes, a terminal bank divided into levels, means for advancing the brushes to select any level, said means controlled by direc-

tive impulses incoming to said selector, and means for advancing the brushes in any level to select an unguarded set of terminals, a set of contact springs actuated upon selection of a particular level, means comprising said set of contact springs for returning the brushes to normal upon selection of the level with which the springs are operatively associated in response to a first train of impulses, another set of contact springs actuated upon selection of a particular level, and means comprising said other set of contact springs for returning the brushes to normal after selection of the level with which said other springs are operatively associated in response to a second train of impulses incoming to said selector.

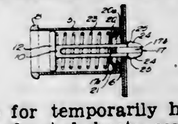
2,271,879

CLAMP

Frank C. Wallace, Los Angeles, Calif., assignor to Monogram Manufacturing Co., Los Angeles, Calif., a corporation of California

Application November 4, 1941, Serial No. 417,813

8 Claims. (Cl. 85—5)



1. A clamp for temporarily holding together superposed perforated sheets, comprising a body, a retaining pin slidably and rotatably mounted in the body and having an expansible end portion projectable therefrom, a spreader rotatably mounted in the body and cooperating with said expansible end portion whereby to expand the same by virtue of sliding movement of the pin and a coil spring in the body, one end of said spring bearing against the pin to normally urge it inwardly of the body and the other end of the spring providing means resiliently opposing longitudinal movement of the spreader in one direction.

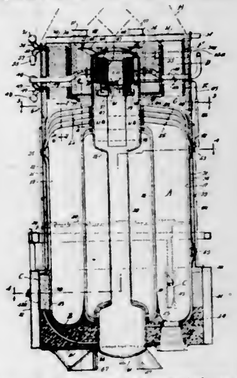
2,271,880

STEAM GENERATOR

Wilfred Rothery Wood, New York, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application September 10, 1938, Serial No. 229,368

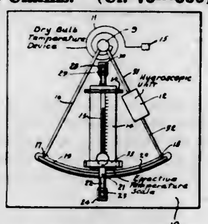
10 Claims. (Cl. 122—235)



6. A steam generator comprising an upright drum, a bottom support for said drum, upright boiler tubes arranged in circular groups to provide an annular combustion chamber therebetween, said tubes being connected at their lower

and upper ends into the lower and upper portions of said drum respectively, a superheater chamber above said annular combustion chamber, a superheater in said chamber, and means for supporting said superheater from the upper portion of said drum.

2,271,881
EFFECTIVE TEMPERATURE INDICATING DEVICE
George V. Woodling, Cleveland, Ohio
Application July 3, 1939, Serial No. 282,572
19 Claims. (Cl. 73—336)

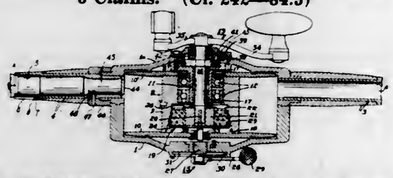


4. A device for giving a measurement based upon temperature and moisture comprising, in combination, a thermometer having an adjacently disposed scale, motion transmission means for producing relative movement between the thermometer and the scale, dry bulb temperature means, hygroscopic humidity means, and means for operating the motion transmission means by both the dry bulb temperature means and the hygroscopic humidity means.

2,271,882
METHOD OF PURIFYING USED OILS
Charles M. Ambler, Jr., Jenkintown, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 9, 1939, Serial No. 289,322
9 Claims. (Cl. 196—16)

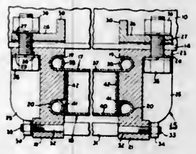
1. In the purification of used hydrocarbon oils, the process comprising mixing the oil to be purified with an aqueous alkaline reagent and thereby effecting fine dispersion of the alkaline reagent in the oil, thereafter subjecting the mixture to an evaporating operation to concentrate the reagent by removing a substantially large part of the water contained therein, and finally separating said alkaline reagent and impurities from the oil by subsidence.

2,271,883
FISHING REEL
Bryant Bannister, Mount Lebanon, Pa.
Application December 8, 1938, Serial No. 244,599
3 Claims. (Cl. 242—84.5)



1. A fishing rod reel comprising, a frame, a spool within said frame, a stationary quill shaft secured to said frame for rotatably supporting said spool, a crank, a rotatable shaft connected to said crank and extending through said first-mentioned shaft, means for locking said rotatable shaft against rotation in one direction, a friction device slidably mounted on said shaft, and means for moving said friction device into or out of engagement with said spool, whereby the spool may be turned by said crank in one direction through said friction device and whereby said device acts as a brake when the spool is driven in the opposite direction.

2,271,884
AUTOMOBILE TRAY DEVICE
Alfred G. Blair, Pasadena, Calif.
Application August 27, 1940, Serial No. 354,379
2 Claims. (Cl. 311—21)



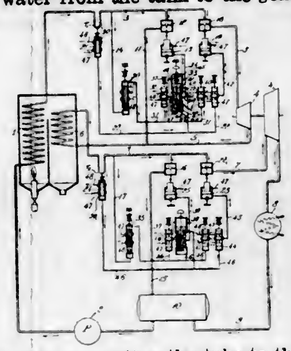
1. For mounting on an instrument panel of an automobile, a pair of spaced brackets, the opposed faces of each bracket having an upper and a lower groove, a tray member, said tray member including opposed enlarged side edges positioned in said upper grooves and slidable therein, a handle member on said tray, a drawer member, said drawer having portions thereon positioned in said lower grooves, said tray being in close proximity to the top of said drawer to form a top for said drawer, said drawer having a handle member thereon located such that said tray handle member and said drawer handle member may be simultaneously grasped with the same hand.

2,271,885
CREPED TEXTILE FABRIC
Berkeley L. Hathorne, Mahopac, N. Y., and Henry Frey, Kingston, Pa., assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 9, 1937, Serial No. 179,024
1 Claim. (Cl. 91—68)

The method of making a creped fabric which includes the step of sizing yarn, prior to the weaving of the fabric in an aqueous bath containing gum arabic, from approximately ½ to 6 parts, and an oil soluble mineral oil sulphonate and mineral oil blend from approximately 2 to 25 parts per 500 parts of water, the amounts present being sufficient to produce on the yarn a size enabling the production of a creped fabric having a high pebble effect.

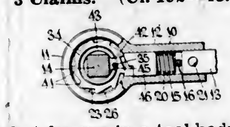
2,271,886
STEAM POWER PLANT EMPLOYING STEAM GENERATORS OF THE FLOW-THROUGH TYPE
Viktor Juzi, Winterthur, Switzerland, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland
Application February 10, 1939, Serial No. 255,580
In Switzerland February 11, 1938
8 Claims. (Cl. 60—73)

1. A steam power plant which comprises a flow-through tubular steam generator, a power turbine having at least one high pressure part and one low pressure part, a re-superheater connected at one end by a pipe to the high pressure part and at the other end by a tube to the low pressure part, a tube valve in the tube, a delivery pipe connecting the generator to the high pressure part, a delivery valve in the delivery pipe, a by-pass pipe connecting the delivery pipe on the generator side of the delivery valve to the pipe connecting the re-superheater to the high pressure part, a by-pass valve in the by-pass pipe, a device responsive to the temperature of the steam in the delivery pipe, a device responsive to the pressure of the steam in the delivery pipe, a tank for receiving condensate from the low pressure part of the power turbine, a feed water pump arranged to pump water from the tank to the generator, a



discharge pipe connecting the tube to the tank, a discharge valve in the discharge pipe, a device responsive to the temperature of steam in the tube, a device responsive to the pressure of the steam in the tube, means operatively interconnecting the device responsive to temperature and the device responsive to pressure in the delivery pipe with the by-pass valve and the delivery valve, and other means operatively interconnecting the device responsive to temperature and the device responsive to pressure in the tube with the tube valve and the discharge valve, whereby the said valves are opened or closed selectively to maintain a desired operating pressure in the plant.

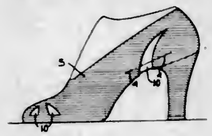
2,271,887
RATCHET FOR SCREW DRIVERS
Martin S. Kalbeck, Buffalo, N. Y.
Application October 29, 1940, Serial No. 363,307
3 Claims. (Cl. 192—43.2)



1. A ratchet for use in a tool body, said ratchet comprising a ratchet wheel and an engaging ratchet pawl, said ratchet wheel being mounted against longitudinal movement within a recess formed in said body, said wheel being formed with a centrally-arranged, polygonally-shaped aperture for the reception of a polygonally-shaped tool and with a recess in one end, and an annular spring located in the wheel recess for engagement with the corners of said tool.

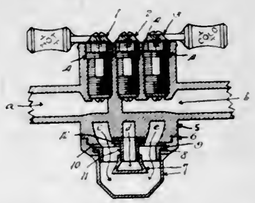
2,271,888
METHOD FOR DECORATING LASTS
William P. Manley, Portsmouth, Ohio, assignor to Vulcan Corporation
Application January 9, 1940, Serial No. 313,083
2 Claims. (Cl. 41—29)

1. A method of simulating a shoe upon a last comprising attaching a heel to the last, applying a narrow strip of pressure adhesive masking material to the last in a manner to cause the edge thereof to outline the shoe representation, applying additional strips of masking material with their marginal edges in over-lapping rela-



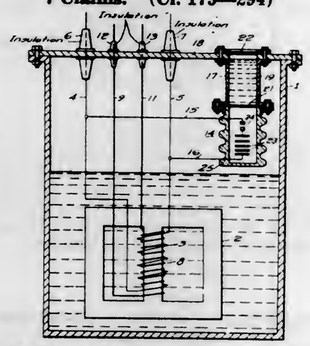
tion to cover the larger areas of the last not to be included in the shoe representation and not covered by the initial strip, applying by spraying, a relatively thick layer of coating material upon the last, drying the layer and removing the mask whereby the coating material will present the appearance of a shoe fitted to the last.

2,271,889
COMBINATION FAUCET AND DRINKING FOUNTAIN
Eugenia C. Moore and Laurence F. Moore, Springfield, Mass.
Application May 10, 1939, Serial No. 272,840
1 Claim. (Cl. 299—9)



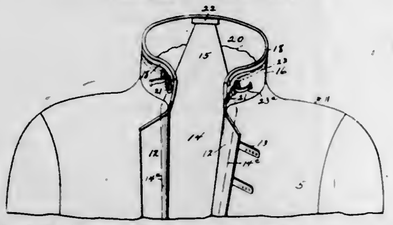
A combination faucet and drinking fountain comprising in combination, a body having separate cold-water and hot-water inlets and provided with separate central and side passageways at opposite sides of the central passageway, said central passageway and one of the side passageways leading downwardly from said cold-water inlet and out the lower side of the body and the other side passageway leading downwardly from said hot-water inlet and out the lower side of the body, a longitudinally extending spout member having chamber forming walls at its inner end pivoted to the lower side of the body for swinging movements with said walls enclosing the lower end of the body and the chamber in communication with the side passageways and provided with a longitudinal passageway leading from said chamber to an outlet provided in the lower side of the non-pivoted outer end thereof, a hollow sleeve member pivoted in the lower side of the body in communication with the said central passageway and projecting downwardly from the lower side of said body into the chamber of the spout, a connecting member extending inwardly into said chamber of said spout from the wall thereof and connected to said sleeve member, the said connecting member and the spout provided with a continuous passageway leading from the sleeve member to an outlet provided in the non-pivoted end of the spout above the first-named outlet.

2,271,890
SURGE VOLTAGE PROTECTION FOR ELECTRICAL APPARATUS
Joseph Rebhan, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1940, Serial No. 338,364
In Germany May 3, 1939
7 Claims. (Cl. 175—294)



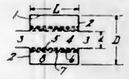
1. In protective equipment for electrical apparatus comprising a winding, a metal casing for enclosing said apparatus, and a cathode drop type discharge device positioned within the casing and electrically insulated therefrom, said discharge device being connected between selected points of the winding to be protected, characterized in that the cathode drop type discharge device is positioned below the cover of the transformer casing by a supporting tube of insulating material registering with an aperture in the casing cover and containing an insulating fluid for insulating the cathode drop discharge device from the casing.

2,271,891
LIFESAVING SUIT
Horatio Clark Ball, Arlington, Va., assignor to Universal Life Saving Corporation, a corporation of Maryland
Application April 1, 1940, Serial No. 327,295
7 Claims. (Cl. 9—20)



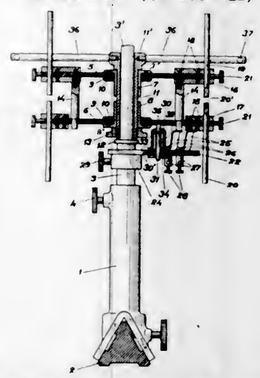
1. A waterproof life-saving suit of dimensions to completely embrace the wearer, except the head, said suit being open at its upper front portion to provide lapel portions, means for drawing said lapel portions toward each other, a collar carried by the suit and permanently united thereto, a preliminary fastener at the front of the collar, and an additional fastener means extending around the collar of a nature to constrict the collar at substantially all points when drawn upon, a web having watertight connection at its lower and side portions with the body of the suit, said web lying rearwardly of the open front of the suit to exclude water, the upper portion of the web being free and long enough to extend upwardly inside of and then be folded downwardly and outwardly over the outside of said collar, and being provided upon its end with a stiffening member of such dimensions that the ends of said member may be engaged and held beneath the shoulder portions of the suit to prevent reverse movement of the web through the collar.

2,271,892
SOUND ATTENUATING DEVICE
Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application July 15, 1936, Serial No. 90,662
29 Claims. (Cl. 181—48)



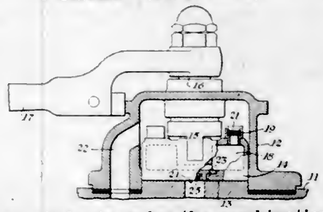
1. An acoustic silencing device comprising a main sound conducting channel, a closed cavity acoustically coupled to the main sound conducting channel through a body of sound absorbing material, and one or more pervious partitions of sound absorbing material positioned in said cavity at points intermediate the length thereof and extending transversely to said channel.

2,271,893
APPARATUS FOR FACILITATING THE PERFORMANCE OF SERIES OF SPECTRUM ANALYSES
Nils Herman Brundin and Sven Palmqvist, Lund, Sweden, assignors to Svenska Prospekterings Aktiebolaget, Stockholm, Sweden, a corporation of Sweden
Application July 5, 1940, Serial No. 344,182
In Sweden July 1, 1939
11 Claims. (Cl. 176—41)



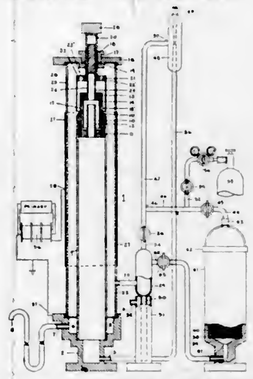
11. An apparatus for carrying out series of spectrum analyses, comprising a base, movable supporting means mounted on said base, electrode carrier means mounted on said supporting means, a number of electrodes fixed in a row in said electrode carrier means and having cavities therein for receiving materials to be analyzed, means for releasably retaining said supporting means in successive stationary positions to hold selected electrodes in stationary operative position, and means including contact mechanism for completing an electric circuit through electrodes in said operative position to apply a voltage across them and produce an arc.

2,271,894
SELF-LUBRICATING BRAKE VALVE
Charles A. Campbell, deceased, late of Watertown, N. Y., by Carrie E. Campbell, administratrix, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application November 25, 1940, Serial No. 367,145
8 Claims. (Cl. 303—56)



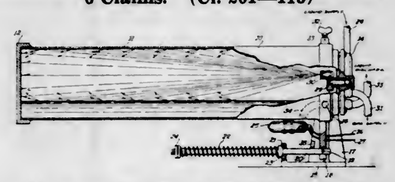
1. In an air brake valve the combination of a valve seat; a valve shiftable thereon, said valve being urged against said seat by the pressure of compressed air supply controlled by the valve, there being at least one lubricating oil groove in the mating area between valve and seat; a lubricant reservoir so arranged that the lubricant is under the pressure of air supply; means forming a receptor cavity; port means controlled by the valve for connecting opposite extremities of said groove with the reservoir and receptor in one position of the valve; and port means controlled by the valve for venting air from the receptor in another position of the valve, the parts being so arranged that the receptor is isolated except when connected in one or the other of the ways above stated.

2,271,895
APPARATUS FOR TREATING LIQUIDS WITH ELECTRICAL DISCHARGES
Frank E. Hartman, Highland Park, Ill., assignor to George H. Bergman
Application July 22, 1936, Serial No. 91,935
4 Claims. (Cl. 204—314)



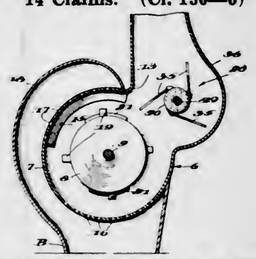
1. In an apparatus having a chamber for treating liquids with electric discharges in the presence of gas, means to presaturate the liquid with gas before subjecting it to electric discharge, means for liberating the excess gas from the liquid previous to subjecting the liquid to electric discharge, means to pass the liquid to be treated in a thin film through the treating chamber, means to cause a positive flow of gas through said chamber and means for passing an electric discharge through said treating chamber.

2,271,896
CARBONATOR
Harry H. Lewis, Portland, Oreg.
Application April 27, 1940, Serial No. 331,999
6 Claims. (Cl. 261—115)



1. An apparatus for carbonating liquids comprising an elongated sealed substantially horizontal vessel, a stationary support for said vessel, said vessel being pivotally-mounted on said support, one end of said vessel movable in a short vertical arc, a spray nozzle located in one end of said vessel, means for delivering liquid to said nozzle under pressure, said means including a motor, means for supplying gas under pressure to said vessel, a liquid discharging outlet located at the bottom of said vessel, an electric switch in the circuit to said motor operated by the pivotal movement of said vessel, spring means controlling the position of said vessel, said spring means arranged to permit said vessel to tilt when the liquid in said vessel has reached a predetermined maximum to cause said switch to open, whereupon the greatest depth of liquid will be at the end of said vessel opposite said nozzle, and requiring a substantial quantity of liquid then to be drawn from said vessel before said vessel will return to said minimum position and start said motor operating.

2,271,897
CORN HUSKING, SHELLING, AND HUSK SEPARATING MACHINE
Aquila D. Mast, Lancaster, Pa., assignor, by mesne assignments, to New Holland Machine Company, New Holland, Pa., a corporation of Pennsylvania
Application January 5, 1940, Serial No. 312,592
14 Claims. (Cl. 130—6)



1. A corn husking, shelling, and husk separating machine comprising a cylindrical horizontally extending jacket formed in its upper portion adjacent its discharge end with a longitudinally extending rectangular husk discharge aperture, an axially disposed drive shaft journalled for rotation through said jacket, means for rotating said shaft, and a husking and shelling cylinder mounted on said shaft for rotation therewith, in combination with husk separating and removing means comprising a picker casing mounted over the husk discharge aperture of said jacket, a centrifugal fan, a conduit connecting the upper portion of said casing to the intake port of said fan, whereby operation of said fan produces a strong upward current of air through said picker

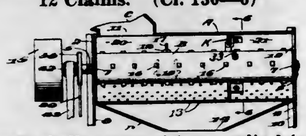
casing, a picker shaft journalled for rotation through said casing parallel to said drive shaft, means for transmitting rotary motion from said drive shaft to said picker shaft, a picker arm mounted on said picker shaft for rotation therewith in said casing, and tangentially extending picker arms carried by said drum and disposed for rotation through said husk discharge aperture into near engagement with said cylinder to in operation engage and remove corn husks from said cylinder, carry them through said discharge aperture and release them in said picker casing to be carried away by said air current.

2,271,898

CORN SHELLER

Aquila D. Mast, Lancaster, Pa., assignor, by mesne assignments, to New Holland Machine Company, New Holland, Pa., a corporation of Pennsylvania

Application September 20, 1940, Serial No. 357,637
12 Claims. (Cl. 130—6)



1. A corn sheller comprising a cylindrical horizontally extending jacket formed with a series of shelled corn discharge perforations in its lower portion and having intake and discharge apertures at its respective intake and discharge ends, an axially disposed drive shaft journalled for rotation through said jacket, and a sheller cylinder mounted on said shaft for rotation therewith, in combination with an arcuate circumferentially extensible baffle disposed in said jacket between said apertures with its medial portion beneath said cylinder and its ends extending circumferentially into, and being spaced apart in, the upper part of said jacket to form an upwardly disposed port, said baffle comprising a main arcuate segment fixedly internally secured to said jacket and formed with a circumferential guide track at one end, an arcuate extension disposed in said guide track in overlapping circumferentially adjustable relationship at said end to vary the size of said port, said extension being formed with a series of notches in its outer periphery in registry with a slot formed in said jacket to permit external adjustment of said extension, and means for maintaining said extension in any desired position of adjustment comprising a J-bolt disposed through the wall of said jacket with its curved end extending around the inner edge of said extension to when tightened maintain the outer periphery of said extension in tight frictional engagement with the jacket wall.

2,271,899

RELEASING DEVICE FOR FISHING LINES

Fred J. Miller, San Francisco, Calif.

Application February 10, 1941, Serial No. 378,210
4 Claims. (Cl. 43—28)



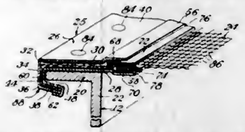
1. A releasing device for allowing the detachment of a fishing line from a sinker when the latter becomes caught, said device comprising a casing having means at one end for securing it to a sinker, a rod extending into the casing through the latter's opposite end, and means normally carried by the casing for engaging with and normally holding the rod, the said means being adapted to release the rod when a predetermined pull is exerted on the line.

2,271,900

SCREEN

Robert E. Lee Mowbray, Cambridge, Md., assignor to The Cambridge Wire Cloth Company, Cambridge, Md., a corporation of Maryland

Application January 31, 1939, Serial No. 253,910
5 Claims. (Cl. 209—403)



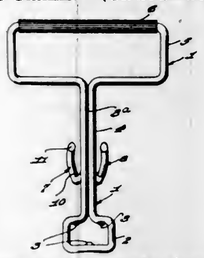
1. Screen fastening means comprising metal plates fitting a margin of a wire screen, said metal plates being disposed on opposite sides of said margin and having contacting engagement therewith, said metal plates and said margin being spot welded into a unitary structure, said metal plates having offset margins, and cushioning means between said offset margins and said screen adjacent the screening area thereof.

2,271,901

CRATE HOOK

George P. Smith and Harvey D. Hadlock, Lynchburg, Va.

Application July 2, 1940, Serial No. 343,638
5 Claims. (Cl. 294—26)



1. In a crate hook, a single strand of material bent to define a body having a rectangular lower portion, parallel engaged intermediate portions and a rectangular handle, and hook elements secured to the intermediate portions.

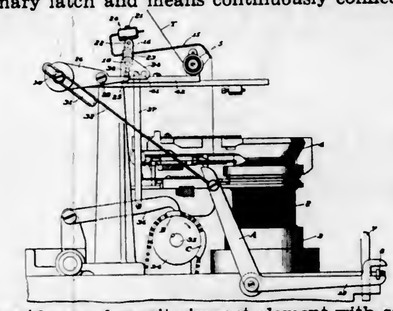
2,271,902

KNITTING MACHINE

Albert E. Stewart, Franklin, N. H., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H., a corporation of New Hampshire

Application November 6, 1939, Serial No. 303,089
9 Claims. (Cl. 66—158)

1. In an automatic stop mechanism for knitting machines, the combination with a knock-off mechanism, of controlling means therefor comprising primary and secondary latches, a gravity impact element normally restrained by the thread running to the knitting instrumentalities and adapted when released by the breaking of the thread to release the secondary latch, a second gravity impact element normally restrained by said secondary latch but arranged to be released by said first impact element for releasing the primary latch and means continuously connecting said second gravity impact element with said primary latch and serving to transmit motion from one of these parts to the other.

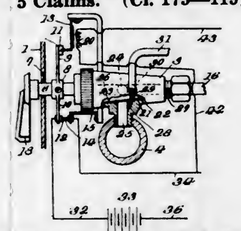


2,271,903

IGNITION DEVICE OR SYSTEM FOR GAS AND LIQUID FUEL BURNERS

Casper S. Stuckenholt, Cleveland, Ohio, assignor to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio

Application March 13, 1941, Serial No. 383,222
5 Claims. (Cl. 175—115)



1. An apparatus of the kind described comprising in combination with a main burner, a pilot adjacent the burner for lighting the same, a source of fuel supply, a rotary valve adapted to open and close passage of fuel from said source of supply to said main burner and pilot, a bimetallic latch for temporarily preventing further movement of the valve after the valve has been rotated to position to supply fuel to the pilot, an ignition circuit including an ignition coil, an auxiliary circuit including a heating coil and a bi-metallic switch in parallel with said ignition coil, said ignition coil adapted to light the pilot and the bi-metallic switch adapted to be heated by the pilot to close the auxiliary circuit whereby the bi-metallic latch will be heated and moved to an inoperative position when the main circuit is closed, contact members associated with the valve for closing the ignition circuit upon movement of the valve to a position to supply fuel to the pilot, said contact members being opened to break the ignition circuit when the valve is moved to a position to permit of a full flow of fuel to said main burner whereby the heater coil circuit is broken and said bi-metallic latch will cool and return to operative valve latching position.

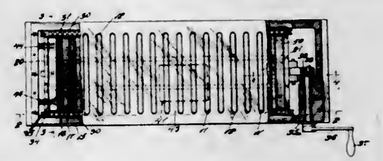
2,271,904

MAGNETIC WORK HOLDER

Ermand L. Watelet, Greenwood, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island

Application August 3, 1940, Serial No. 350,620
4 Claims. (Cl. 175—367)

1. A magnetic work holder comprising a work-engaging plate, spaced pole pieces mounted in said plate and magnetically insulated one from the other, a movable unit associated with said plate having a pack formed of spaced permanent magnets of sufficient magnetic force to flex the work plate toward the unit when the work is held on the plate and with the magnets so positioned as to register the magnets with magnetic areas of the composite top plate to establish a magnetic circuit for passing magnetic flux through the work, the lower portion of the plate and the upper portion of the unit having spaced but closely adjacent surfaces, means to support the plate and unit in their spaced relationship comprising rolling bearings so closely spaced and positioned along the path of movement of the unit as to prevent flexure of the plate.

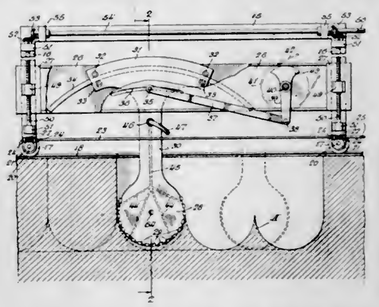


2,271,905

METHOD OF AND DEVICE FOR CUTTING STONE AND OTHER MATERIALS

Alfred Wegner and Julius Wegner, Flushing, N. Y.

Application July 10, 1940, Serial No. 344,660
16 Claims. (Cl. 125—19)



1. A cutting device of the character described, comprising a curvilinear cutting blade having a center of oscillation, connecting means extending from said cutting blade and being in fixed relation thereto, means for oscillating said connecting means to cause in turn oscillation of said cutting blade around its center of oscillation to effect the cutting action on the work material, and means concentric to said center of oscillation for controlling the oscillation of said blade on said center.

2,271,906

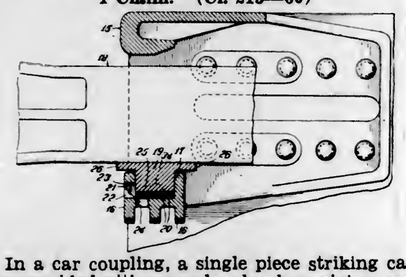
CARVING MATERIAL

Esther Bly Williams, West Linn, Oreg.

No Drawing. Application December 8, 1939, Serial No. 308,195
7 Claims. (Cl. 106—206)

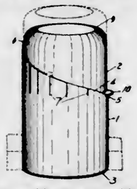
1. A water softening carving material composed of diatomaceous earth, fat, lye, a water soluble dextrinous binder and a preservative to prevent mustiness, the whole mixed with water until plastic.

2,271,907
CAR COUPLING
Otto Everett Wilson, Peru, Ind., assignor to Harold S. Russell, Chicago, Ill.
Application January 17, 1940, Serial No. 314,256
1 Claim. (Cl. 213—60)



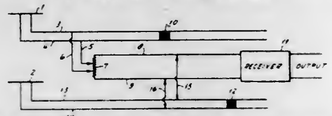
In a car coupling, a single piece striking casting provided with a coupler shank receiving opening and with an integral carrier iron portion socketed on its upper side to provide a pocket coextensive with the coupler-shank opening, the front wall of the pocket beneath the top thereof having a shim inserting slot substantially coextensive with the length of said pocket and sloping toward the bottom of the pocket, said slot intermediate of its ends being enlarged downwardly to the bottom of the pocket.

2,271,908
CANAPE CUTTER
Walter K. Youngberg, Meriden, Conn.
Application January 5, 1939, Serial No. 249,544
17 Claims. (Cl. 30—130)



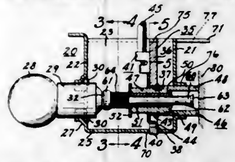
7. In a canape cutter, a cutter element having an open top, an ejector element insertable therein through said top, and connections between said elements for enabling relative longitudinal adjustment while maintaining the same against relative longitudinal movement during cutting.

2,271,909
ULTRA SHORT WAVE NOISE ELIMINATOR
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a Delaware corporation
Application December 14, 1939, Serial No. 309,131
10 Claims. (Cl. 250—20)



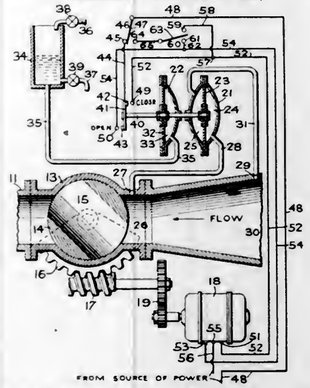
4. A short wave noise eliminator comprising a first antenna located above the ground, a second antenna located beneath said first antenna at a point near the ground, a first transmission line coupled to said first antenna and a second transmission line coupled to said second antenna, a third transmission line, a coupling transformer linked between said first and third transmission lines, a receiver coupled to said third transmission line, and means for so coupling said second transmission line to said third transmission line that the effective length of said second transmission line may be varied.

2,271,910
SWITCH
Arnold A. Bluemle, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 20, 1939, Serial No. 305,281
10 Claims. (Cl. 173—346)



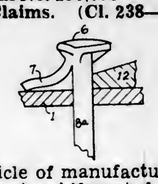
1. A switch and lamp holder unit comprising a metal socket member for receiving a lamp base having a metal sheath connected with one lead of the lamp filament and an end terminal connected with the other lead, said socket making electrical connection with the sheath; a switch comprising a hollow stationary contact and a hollow movable contact guided by the stationary contact; a rod slidably supported within the movable contact; abutments at each end of the rod for retaining the rod in assembled relation with the movable contact; a coiled spring about the rod, said spring having one end engaging one of the abutments of the rod and the other end engaging the movable contact, said spring operating to urge the said one abutment of the rod into engagement with the end terminal and the movable contact into engagement with the stationary contact, said spring and rod cooperating to conduct current from the movable contact to the end terminal; and means for actuating the movable contact relative to the rod to separate the contacts.

2,271,911
FLUID FLOW CONTROLLER
Eugene C. Brisbane and Frank E. Peacock, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application March 22, 1939, Serial No. 263,328
7 Claims. (Cl. 200—83)



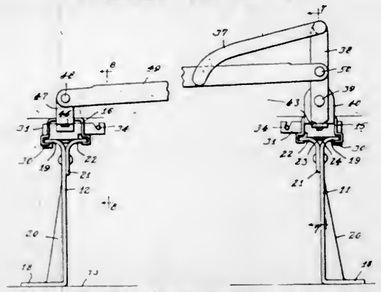
1. Switch operating mechanism comprising, a diaphragm device having means for imposing different fluid pressures on opposite sides of the diaphragm, a second diaphragm device having its diaphragm subject on one side only to a source of predetermined fluid pressure, a rod connecting both of said diaphragms and having an end terminating at a point distant from said diaphragms, said rod being adapted to be actuated by either or both of the diaphragms, said second diaphragm device being adapted through said rod to impose a constant loading pressure on the first diaphragm to keep said first diaphragm normally balanced, and an electric switch device connected to the extremity of said rod and operated by said rod when said diaphragms are unbalanced in either direction to engage a contact member.

2,271,912
DIVIDED SHANK RAIL FASTENER
Ralph P. Clarkson, New Rochelle, N. Y.
Original application June 29, 1935, Serial No. 29,052. Divided and this application February 16, 1938, Serial No. 190,793
7 Claims. (Cl. 238—349)



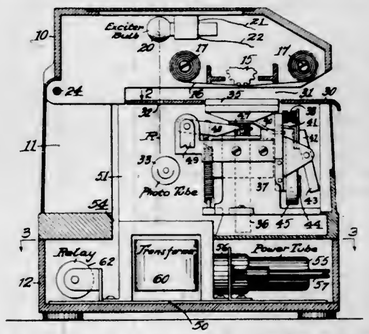
1. As an article of manufacture for securing a rail to its support, a bifurcated spike comprising two resiliently cooperating shank members, said members being formed by a longitudinally divided shank, one of the shank members being curved laterally away from the other member and forming an elongated, resilient, hold-down member, the shank members being connected at one end.

2,271,913
ADJUSTABLE SEAT
Donald E. Crabb, Detroit, Mich., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application November 7, 1934, Serial No. 751,871
4 Claims. (Cl. 155—14)



2. As an article of manufacture, a seat support adapted to be fastened to a floor and to the bottom of a seat, said support comprising two tracks arranged to be fastened to the floor in spaced parallel relation, slides movable endwise on the tracks and arranged to be fastened to the bottom of a seat, latch means on each of said slides holding the slides releasably in adjusted position, an oscillating lever projecting forwardly from each of said slides and arranged to operate the latch means, a handle support on one of said slides adjacent the lever thereon, an operating handle arranged to be detachably pivotally mounted on said support in detachable operating connection with the adjacent lever, and a cross link extending from one slide to the other and arranged to be detachably pivotally connected at one end to the handle and at the other end to the other lever.

2,271,914
TIME RECORDING MACHINE
Henry N. Deane, Gardner, Mass., and Edward M. Pritchard and Elbert W. Sherman, New York, N. Y., assignors to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application March 5, 1940, Serial No. 322,348
2 Claims. (Cl. 101—287)

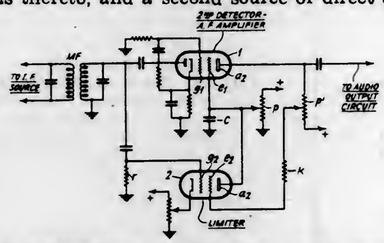


1. A recording apparatus comprising a cover portion, a base portion and a sub-base, said base portion being mounted on but separate and detachable from said sub-base and having an opening in the bottom thereof and said sub-base being open at the top, impression devices and an exciter bulb mounted in said cover portion, impression mechanism mounted on said base portion and adapted to cooperate with said impression devices to produce a record; a photo-electric tube and control means for said impression mechanism mounted on said sub-base, said tube being entirely supported on said sub-base but being mounted on a member projecting upward through the opening in the bottom of the base portion and being positioned within said base portion, and a sheet-supporting plate on said base portion having a hole through which a selected light beam can pass from said bulb to said tube, said control means coacting with said tube and light beam and being rendered operative to cause said impression mechanism to stamp a record when said light beam is interrupted, as by placing a record sheet on said supporting plate to cover the opening therein.

2,271,915
RADIO RECEIVER CIRCUIT
Paul de Belleville, Paris, France, assignor to Compagnie Generale de Telegraphic sans Fil, a corporation of France
Application November 4, 1939, Serial No. 302,825
In France November 10, 1938
2 Claims. (Cl. 250—20)

1. In a signal transmission system comprising a source of modulated carrier energy, a first tube comprising input electrodes, an output electrode and at least one auxiliary cold electrode, a device for minimizing the transmission of undesired impulses above a predetermined amplitude, said device comprising a second electron discharge tube having input electrodes and at least

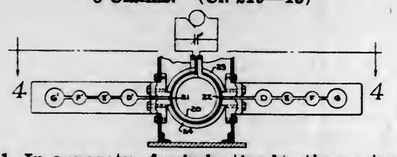
two cold electrodes, one of said last two cold electrodes being an output electrode and the other being an intermediate electrode, a source of direct current connected to said first tube output electrode and said intermediate cold electrode of the second tube to apply positive potentials thereto, and a second source of direct current independent of the first direct current source connected to the first tube auxiliary electrode and the output cold electrode of said second tube for applying positive potentials thereto, and means for preventing the current flow to the two cold electrodes of the second tube in the absence of electrical impulses of a predetermined undesired amplitude.



2,271,916
APPARATUS FOR MULTIPLE HEAT TREATING

Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application August 2, 1940, Serial No. 349,410
8 Claims. (Cl. 219—13)

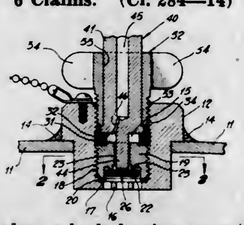


1. In apparatus for inductive heating, a transformer having a primary and a secondary, cuts dividing the secondary into segments, an inductor member at each cut, said inductor member joining the segments at said cut to provide a continuous series heating circuit thru the segments and the inductors, and means for supplying periodically varying current to the primary of the transformer.

2,271,917
CYLINDER VALVE

Earl M. Evleth, Ingelwood, Calif., assignor to L. C. Roney, Inc., Los Angeles, Calif., a corporation of California

Application June 26, 1939, Serial No. 281,169
6 Claims. (Cl. 284—14)

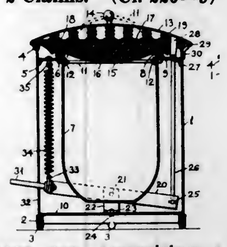


1. In a valve: a body having an outlet passage, threads formed therein, and a lower perforate wall means crossing the lower end of said passage; a valve seat member having a downwardly facing valve seat, said valve seat member being screwed into said passage and being removable outwardly therefrom; a valve in said outlet passage between said valve seat member and said perforate wall means, said valve being engageable with said valve seat for closing said outlet passage; a valve opening means adapted to extend into said outlet passage and having a valve engaging portion and a passage adapted to communicate with said outlet passage; externally threaded securing means cooperating between said body and valve opening means and being screwable into the threads in said outlet passage for securing same together and for causing said valve engaging portion to unseat said valve; and gasket means cooperating between said body and valve opening means and operative to form a seal between said body and valve opening means at least as soon as said valve is unseated.

2,271,918
SANITARY SILENT GARBAGE CAN

Martin Glowka, New York, N. Y.

Application August 12, 1939, Serial No. 289,744
2 Claims. (Cl. 220—9)

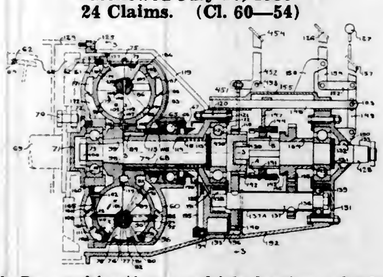


1. A garbage can comprising a cylindrical outer container, an inner container removably supported in the outer container, a cover hingedly supported at the edge of the outer container, a pad of a resilient spongy material under the cover having an annular groove for the edge of the inner container, a yieldable diaphragm extending under the pad and conforming to its shape, a flexible diaphragm covering the upper side of the pad, means to support the pad on the under side of the cover at the periphery thereof, and a plurality of individually acting springs supported between the upper diaphragm and the cover for pressing the pad against the edges of the inner container.

2,271,919
TURBINE TORQUE CONVERTER

Joseph Jandasek, Cicero, Ill.

Application June 27, 1931, Serial No. 547,256
Renewed July 10, 1936
24 Claims. (Cl. 60—54)



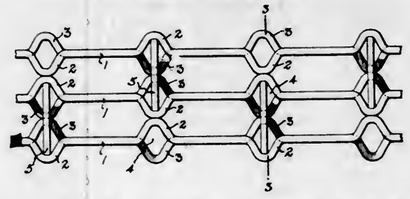
14. In combination a vehicle having a hydraulic power transmission comprising a casing, fluid and blade wheels having vanes in the said casing, means to facilitate reversing of the rotation of one of the blade wheels so as to cause the fluid transmission to act as a brake for the vehicle, the blade wheels having curved passages with vanes and being coaxial and juxtaposed, said passages comprising the whole circuit in which the fluid is circulating and transmitting power, said blade wheels having a series of sets of blades, the units of the first set being freely pivoted at their leading edges, but equipped with stops carried by the wheels to limit the angle of their inclination, the discharge vane angle of one of the wheels being substantially equal to the entrance vane angle of the first set of said wheels.

22. A fluid power transmission comprising a passage for fluid including substantially non-cell-shaped driving vanes, driven vanes juxtaposed with respect to the driving vanes and provided with a series of guide vanes, the driven vanes being divergent with increasing curvature, the entrance diameter of the driven vanes being substantially smaller than the exit diameter of the driving vanes.

2,271,920
WEAR AND REINFORCING MEMBER FOR CONCRETE FLOORS

Laurence S. Lachman, Forest Hills, N. Y.

Application January 10, 1940, Serial No. 313,153
2 Claims. (Cl. 94—30)

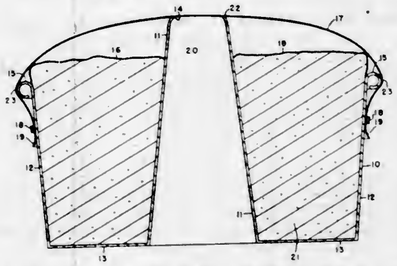


1. In a grill for reinforcing a concrete flooring and providing a wearing surface therefor, the combination including a plurality of bars lying in parallel relation, each bar having slits positioned therein, and having the metal of the bar above and below said slits pressed out to form two rows of loops, the adjacent loops in each row extending in opposite directions and the loops of one row being vertically aligned with the loops of the other row, thereby forming closed spaces, the closed spaces of the adjacent bars being aligned, and key members having legs lying in said closed spaces to lock the bars together.

2,271,921
ANGEL FOOD CAKE PACKAGE

Jackson M. Luker, Urbana, Ill.

Application March 29, 1940, Serial No. 326,629
4 Claims. (Cl. 99—171)

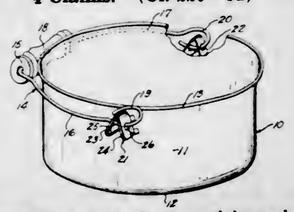


1. An angel food cake package which comprises an open topped tubed aluminum cake pan containing an angel food cake baked therein, said cake characterized by a myriad of easily rupturable air cells, a semi-moisture proof cover member disposed across the open top of said pan for completely housing said cake, and means for securing said cover member to said pan and across said open top, whereby transportation and merchandising of the cake is facilitated and the cake remains in a normal condition retaining for a week or more substantially its original volume, tenderness and palatability.

2,271,922
RECEPTACLE AND HANDLE THEREFOR

John Merner, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin

Application January 16, 1939, Serial No. 251,152
4 Claims. (Cl. 220—91)

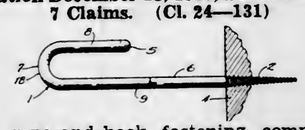


1. A metallic receptacle comprising a body portion having diametrically opposite mounting ears, each ear having peripherally spaced portions the plane of which is substantially perpendicular to the side of said receptacle, an aperture in each of said portions, the apertures in the portions comprising one ear being vertically offset with respect to each other, the apertures in the portions comprising the other ear being vertically offset with respect to each other in symmetrically reverse order to those of the first ear, and a bail having eyes at each end thereof, each of said eyes loosely interfitting with both apertures in a respective mounting ear.

2,271,923
HOOK

Alfred C. Moork, Chicago, Ill., assignor of one-third to George Corbet and one-third to Ralph H. Corbet, both of Chicago, Ill.

Application December 13, 1940, Serial No. 370,020
7 Claims. (Cl. 24—131)



7. A rope-and-hook fastening comprising a rope and a U-hook with its arms spaced substantially the thickness of the rope and having one arm longer than the other to serve as a support and said hook having its bowed end folded back U-wise over its shank end and substantially parallel therewith.

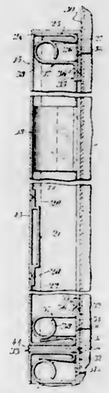
2,271,924
WALL PANEL

John V. Nielsen, Chicago, Ill., assignor to Universal Equipment Company, Chicago, Ill., a corporation of Illinois

Application February 9, 1938, Serial No. 189,617
4 Claims. (Cl. 189—88)

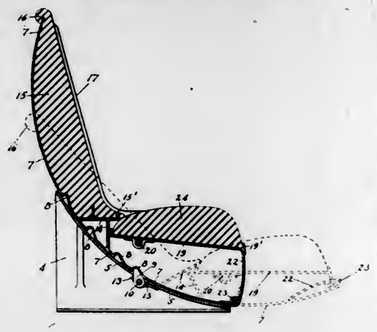
2. A wall construction comprising a support,

panel-supporting bars connected to said support, each bar comprising a flange and a web projecting outwardly from said flange, and a panel having anchoring members projecting from a side of said panel, said bars having



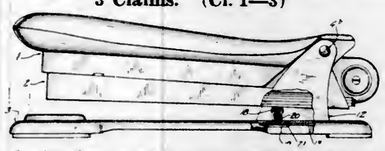
means securing said members in engagement with said webs and in substantially anti-rattling abutting relation to said flanges, said bars constituting the sole attaching means for said panel.

2,271,925
CHAIR
Harry F. Niles, El Cajon, Calif.
Application June 12, 1939, Serial No. 278,632
4 Claims. (Cl. 155—116)



1. An adjustable chair including in combination a supporting base having side members and adapted to receive a chair thereon, a chair proper having a curved back and a seat slidably supported on said base between its side members, means forming a circular way extending from the lower front of said base to the upper rear thereof and cooperating with means on said chair, whereby said chair can be moved in a circular movement from an upright position to an inclined position, said seat being hingedly supported between the side portions of said back, means adjustably supporting the front of said seat whereby it can be lowered to a reclining position, and means for locking said chair in different positions along said circular path of movement.

2,271,926
RISER FOR STAPLING MACHINES
William G. Pankonin, Chicago, Ill.
Original application July 1, 1940, Serial No. 343,380. Divided and this application April 5, 1941, Serial No. 387,005
Application April 5, 1941, Serial No. 387,005
3 Claims. (Cl. 1—3)



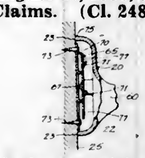
1. A stapling machine comprising a base arm, an operating arm and magazine arm pivoted to said base arm, and a riser member for resiliently maintaining said operating and magazine arms at a predetermined distance from said base arm, said member including a crown topped riser housing, a compression spring in said housing, and a detachable floor plate, said housing and floor plate adapted to interlock with a notched aperture in said base arm.

2,271,927
TOURNIQUET
Edward S. Salghman, Waverly, Mo.
Application June 16, 1938, Serial No. 213,985
1 Claim. (Cl. 128—327)



A tourniquet comprising a tubular band of pliable elastic material having a thick outer wall and a relatively thin inner wall and having a series of openings formed through said thin inner wall, a resilient pad mounted in said tube and having portions thereof exposed through a plurality of said openings, means for securing said band about a body member with the outer wall thereof stretched to an abnormal length by a pre-determined force whereby the pad will exert a pre-determined pressure against portions of said encircled body member.

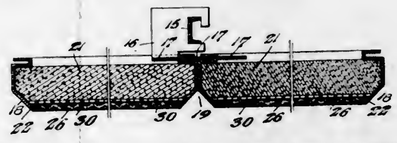
2,271,928
WALL FIXTURE
Clark D. Sims, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 17, 1938, Serial No. 225,383
3 Claims. (Cl. 248—224)



3. A fixture body comprising a utility member adapted to be mounted on and occupy any one of a plurality of positions relative to a support, a mounting member having means for connecting said mounting member to said support, and deformable stud means on one of said members,

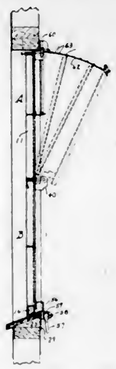
the other member having a plurality of recesses for receiving said stud means in different relative positions for securing said mounting member in any of a plurality of positions on said utility member.

2,271,929
BUILDING INTERIOR CONSTRUCTION
Walter H. Venzie, Philadelphia, Pa.
Application September 9, 1938, Serial No. 229,065
12 Claims. (Cl. 72—68)



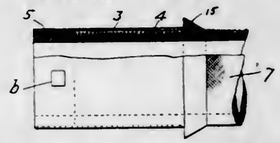
1. A surfacing unit for use in interior building construction comprising a closed metal frame, inwardly turning lower edges forming an integral part of said frame, expanded metal lath seated on said edges, a porous fireproof material secured to the under surface of said metal lath, said fireproof material being flexible relative to said metal lath, and a sound absorbent material above said metal lath, said lath, porous material and sound absorbent material all lying between the upper and lower edges of said frame and being supported on said lower edges thereof.

2,271,930
WINDOW SASH AND LOCKING DEVICE
Arthur E. Waterman, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application February 10, 1939, Serial No. 255,570
3 Claims. (Cl. 189—69)



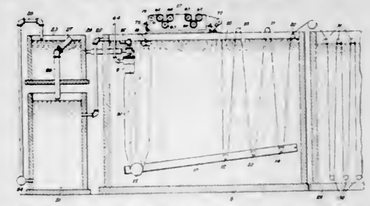
1. A device of the class described, comprising a frame having upper and lower sashes which are hingedly connected to the side jambs of said frame adjacent the contacting surfaces of said sashes, the check rails of said sashes being formed by L-irons, two flanges of which extend outwardly and are adapted to contact each other when said sashes are closed forming a mullion, overhanging means attached to the frame to which the free end of said upper sash may be secured in various open positions and providing means whereby said lower sash may be opened and its free end secured to the free end of said overhanging means.

2,271,931
HOSE JOINT
Frederick B. Williamson, Jr., New Hope, Pa., and Theodore A. Welger, Trenton, N. J., assignors to The Whitehead Bros. Rubber Co., Trenton, N. J., a corporation of New Jersey
Application June 19, 1940, Serial No. 341,236
4 Claims. (Cl. 285—71)



1. A hose joint in which no metal is exposed consisting of two rubber hose end parts each having an imperforate bounding wall and of which one is detachably insertable into the other, the contacting surfaces of said end parts being of rubber and providing sufficient friction between them to hold the end parts together and to permit of their manual separation under normal conditions, and a non-stretchable textile jacket incorporated in the outer end part and disposed away from the rubber surface, and opposing diametrical expansion of that end part, and a wire reenforcement incorporated in the inner end part and beneath the rubber surface and opposing diametrical contraction of that end part to maintain the frictional contact at the contacting surfaces when the joint is under internal or external pressure.

2,271,932
CASING, METHOD AND APPARATUS FOR PREPARING SAME
Ralph L. Atkinson, Hinsdale, Ill., assignor to Transparent Package Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1941, Serial No. 375,913
20 Claims. (Cl. 18—15)

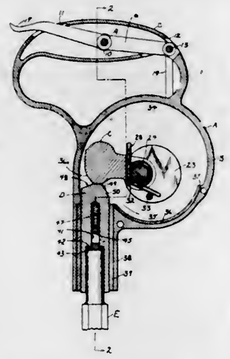


1. An apparatus for preparing seamless cellulose tubing which comprises a coagulating bath, means to extrude in the shape of a tubing a solution of a coagulable and convertible cellulose compound into said coagulating bath, a regenerating bath, means interposed between said coagulating bath and said regenerating bath to apply a longitudinal stretch to said tubing prior to the passage of said tubing into said regenerating bath, and means to continuously and successively pass said tubing through said coagulating bath, said stretching means and said regenerating bath.

2,271,933
POWER HAMMER
George D. Behlen, Chicago, Ill.
Application April 25, 1940, Serial No. 331,609
6 Claims. (Cl. 125—33)

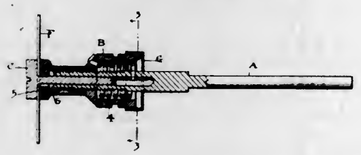
4. A percussive tool comprising a housing, an anvil, a rotatable hammer element carrier, means for rotating said carrier, a pivot member extend-

ing from the carrier and located eccentrically of the axis of said carrier, said hammer element mounted for free swinging movement on the pivot member, a stop member extending outwardly from the carrier, a spring associated with the carrier and with the hammer element, whereby movement of the hammer element about the pivot member in rebound direction is resiliently resisted by the spring, said spring having a connection with the stop member and also the hammer element, said stop member being located



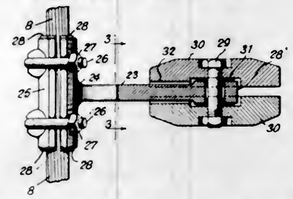
relative to the pivot member, so as to permit the hammer element to move in rebound direction throughout an arc of more than 120°, measured from the position of the hammer element the moment it strikes the anvil, means within the housing to cause the hammer element to lag behind its normal position, and other means for releasing the hammer element so as to allow said element to catch up to its normal position, thereby increasing the force of the blow of the hammer element on the anvil.

2,271,934
MANDREL
Robert H. Brockman, St. Petersburg, Fla.
Application February 2, 1940, Serial No. 316,976
5 Claims. (Cl. 32—59)



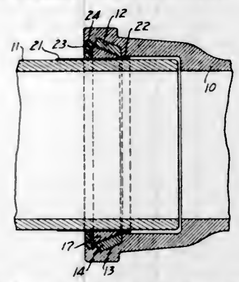
1. A mandrel of the character described having, in combination, an arbor one end of which is adapted to engage a chuck the opposite end being threaded internally and externally with a relatively fine and coarse thread respectively, a sleeve, a portion of which forms a housing, internally threaded to conform to the outer threaded portion of said arbor and engageable thereon, a spring in said housing and having its ends respectively attached to said arbor and sleeve and a screw member adapted to support a tool and of suitable size and having a conforming thread to permit screw engagement with the internal thread of said arbor.

2,271,935
VIBRATION DAMPER
William B. Buchanan and Gordon B. Tebo, Toronto, Ontario, Canada, assignors to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application December 2, 1938, Serial No. 243,487
In Canada December 4, 1937
9 Claims. (Cl. 174—42)



1. The combination with a line conductor of the class described, of an arm rigidly mounted thereon in substantially horizontal transverse direction, a weight carried by the arm and having its centre of gravity displaced from the vertical plane containing the axis of the conductor, and an articulated connection, including an axle parallel to the cable axis, between said arm and said weight comprising a resilient, energy-storing cushion, said cushion being the only element in contact with both the arm and the weight.

2,271,936
PIPE JOINT
Harry Y. Carson, Tarrant, Ala.
Application December 9, 1940, Serial No. 369,152
5 Claims. (Cl. 285—163)

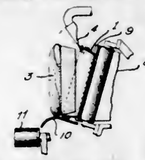


1. In a packing joint for bell and spigot pipe, a bell having an inner annular groove, a rubber gasket cemented in place in the groove and having a serrated outwardly flaring inner surface, a spigot cooperating with the bell, a cooperating rubber gasket on the spigot having an outer serrated surface complemental to that of the bell gasket and adapted to be driven into engagement with the bell gasket to effect interlocking of the serrations, and cement binding the two gaskets together and to the spigot end of the pipe.

2,271,937
METHOD AND APPARATUS FOR DISCHARGING BAKED LOAVES OF BREAD, CAKE, OR THE LIKE FROM PANS
Eugene Oscar Engels, Saginaw, Mich., assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York
Application July 18, 1940, Serial No. 346,158
13 Claims. (Cl. 214—1.1)

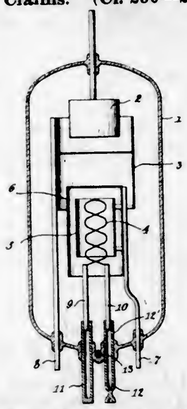
11. The method of freeing a baked bread loaf, cake, or the like from a pan having a peripheral

wall, consisting of traversing a stream of air relative to and along an edge of the pan, said air



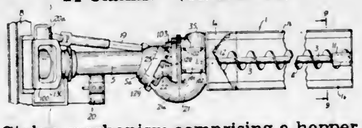
stream being directed downwardly into said pan between its wall and the crust of the loaf.

2,271,938
ELECTRIC DISCHARGE CONTAINER
Adalbert Etzrodt, Berlin-Siemensstadt, Germany
Application May 2, 1941, Serial No. 391,497
In Germany July 20, 1939
7 Claims. (Cl. 250—27.5)



1. A discharge device comprising a container having a vaporizable metal therein, a portion of said container adapted to receive said metal, a cathode heater coil in said container, connections from said heater coil, said connections having a portion productive of heat by current flow and passing through said portion of the container for heating said metal.

2,271,939
STOKER MECHANISM
William Thompson Hanna, Cincinnati, Ohio
Application January 20, 1938, Serial No. 185,827
14 Claims. (Cl. 198—15)

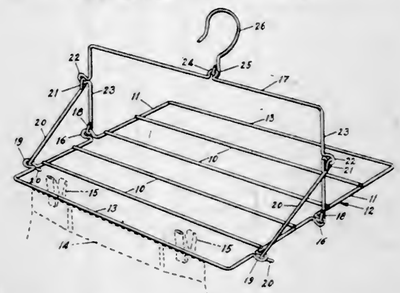


1. Stoker mechanism comprising a hopper having a delivery opening at one end, a transfer conduit having one end effectively mounted on said hopper and having universal movement with respect thereto, an offset intermediate conduit for delivering coal from the delivery opening of said hopper to the transfer conduit, a screw conveyor mounted to operate in the hopper, a screw conveyor mounted to operate in the intermediate conduit, a screw conveyor in the transfer conduit, shaft means located beside said intermediate conduit universally connecting the delivery end of the hopper conveyor and the receiving end of the transfer conveyor in close end-to-end relationship, and means intermediate said transfer and hopper screw conveyors for driving said shaft means and said intermediate conveyor.

2,271,940
STABILIZED HYDROCARBON
William H. James and Everett W. Fuller, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 2, 1940, Serial No. 321,922
2 Claims. (Cl. 252—51)

1. A high boiling petroleum product stabilized against formation of acidic and sludge products of oxidation by the addition thereto of a small amount, sufficient only to inhibit oxidation, of the oil soluble condensation reaction product formed by reacting a tri nitrated member of the group consisting of benzene, toluene, cresol, resorcinal, anisole, with a member of the group consisting of naphthylamine and substituted naphthylamines.

2,271,941
GARMENT HANGER
Selma Emelia Kemmitt, Glendale, Calif.
Application April 21, 1941, Serial No. 389,600
2 Claims. (Cl. 211—119)



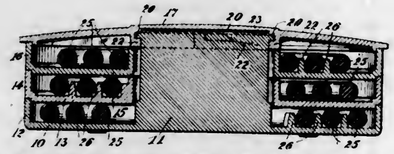
1. In a garment hanger a rectilinear wire frame having joined side and end bars, a plurality of spaced parallel cross rods secured at their ends to said end bars and affording with the side bars a plurality of supports for garments, outwardly extending loops formed on said end bars at points approximately centrally of the ends thereof, an inverted U-shaped hanger having the free ends of its legs pivoted to said loops so that said frame may swing between said legs, loops formed intermediate the ends of said legs, hooks pivoted to said last named loops, and loops formed on said end bars at points spaced inwardly from certain ends thereof adapted to receive said hooks to hold the frame and U-shaped hanger in right angular relation.

2,271,942
PROCESS FOR THE POLYMERIZATION OF GASEOUS OLEFINS
Emil Keunecke, Ludwigshafen-on-the-Rhine, and Herbert Grasshof, Mannheim, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
No Drawing. Application April 29, 1938, Serial No. 205,004. In Germany May 14, 1937
4 Claims. (Cl. 196—10)

1. A process for the polymerization of gaseous

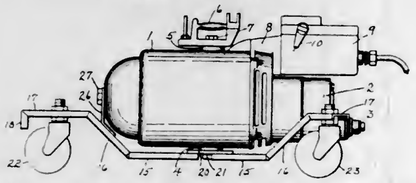
olefins to liquid hydrocarbons which comprises contacting such olefins at a polymerizing temperature with a solid catalyst essentially comprising a composition of a salt of a light metal of the second group of the periodic system and an acid of phosphorus, together with a free acid of phosphorus, in a ratio approximately corresponding to 1 molecular proportion of the primary orthophosphate of said light metal to from 0.5 to 1 molecular proportion of orthophosphoric acid.

2,271,943
CENTRAL PILLAR CONTAINER
Nicholas Klein and Daniel D. Whyte, New York, N. Y., assignors to Julius Schmid, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1939, Serial No. 276,766
2 Claims. (Cl. 206—1)



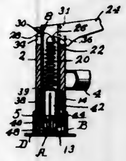
1. A container comprising a base having an upwardly extended peripheral wall and an upwardly extended centrally positioned cylindrical pillar extending above the upper edge of the wall having a plurality of outwardly extended peripherally spaced lugs in its upper portion, a plurality of stacked upwardly flanged receptacles supported on said wall each having a centrally positioned opening adapted to receive said pillar, said flanges forming the exterior of the device when said pillar is extended through said receptacle openings, a top member having an interior recess adapted to receive the upper portion of said pillar, a plurality of wedge-shaped lugs carried by said top adapted to be placed beneath said pillar lugs, adapted to affix said top to said pillar by a partial revolution of said top.

2,271,944
CARRIAGE FOR MOTORS
Arthur William Mall, Flossmoor, Ill.
Application April 25, 1940, Serial No. 331,612
1 Claim. (Cl. 280—35)



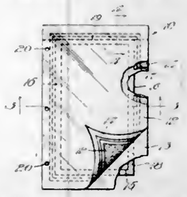
A carriage for a motor comprising, a locating disc, three separate strap legs, each having an end secured to the locating disc, one leg extending outwardly from said disc in longitudinal alignment with the axis of the motor, the other two legs extending outwardly from said disc in an angular direction relative to the axis of the motor, each of said legs having a portion extending normally horizontally, each leg being bent at a predetermined location to form a normally upwardly extending portion, each leg also being bent at a second predetermined location to form another horizontally extending portion, said disc providing a centrally located point for supporting substantially the entire gravity load of the motor, an arm secured to the longitudinally aligned leg and also detachably secured to the non-working end of the motor to help support the gravity load of the motor, said angularly extending legs defining a space into which the working end of the motor protrudes, and surface engaging means secured to the free ends of the legs.

2,271,945
WATCHMAKER'S TOOL
Joseph H. Meinhardt, Kansas City, Mo.
Application April 1, 1940, Serial No. 327,202
9 Claims. (Cl. 29—88.1)



2. A puller comprising a tubular member, a hollow plunger reciprocably mounted in said tubular member and provided with an orifice at one end and an internal beveled portion, a relatively large chuck provided with jaws having tapered portions, means for moving the plunger relative to the chuck to press the jaws towards each other through coaction of the beveled and tapered portions, and a relatively small chuck having jaws extending between the jaws of the larger chuck and adapted to be pressed thereby toward each other.

2,271,946
TRANSPARENT PROTECTIVE COVERING AND THE LIKE
Samuel S. Miller, Chicago, Ill.
Application February 7, 1940, Serial No. 317,661
2 Claims. (Cl. 129—20)

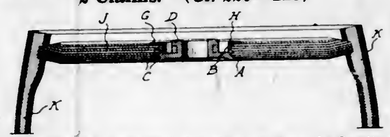


1. A sheet for the display of articles comprising a flexible, film-like sheet of material provided with a transparent pressure sensitive adhesive coating on one side thereof, said pressure sensitive coating enabling articles which are to be displayed to be adherently affixed to and bonded with said coating, said sheet being transparent so that articles so affixed will be visible through and protected by said sheet, a backing, said backing being cut to provide a hinged flap and a border area around all sides thereof, said film-like sheet permanently adhering to said backing along the border area, a separator sheet interposed between said film-like sheet and said hinged flap and being incompatible with the adhesive coating to enable ready separation and complete removal of said separator sheet from said film-like sheet to permit the article to be permanently adhered to said film-like sheet between said sheet and said hinged flap and said film-like sheet being permanently adherable to said hinged flap.

2,271,947
METAL FABRICATING LUBRICANT
Arnold J. Morway, Clark Township, Union County, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 31, 1936, Serial No. 118,566. Divided and this application December 22, 1939, Serial No. 310,550
4 Claims. (Cl. 260—100)

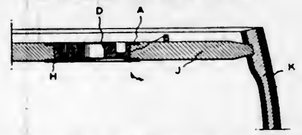
3. A composition of matter comprising an abietic acid substance selected from the group consisting of abietic acid and abietic acid esters characterized by a hydrogen content higher than the ordinary substance but less than complete saturation with hydrogen; and the presence of combined sulfur chloride.

2,271,948
TAP BUSH
James C. Mullen, Cliffside Park, N. J., assignor to Verdi Bros. Cooperage Company, North Bergen, N. J., a corporation of New Jersey
Application July 10, 1939, Serial No. 283,647
2 Claims. (Cl. 220—113)



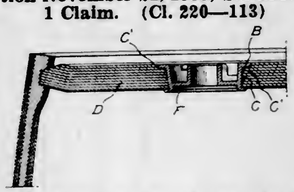
1. A barrel element having a tap hole therethrough, a tubular bushing set into said hole and extending therein from one to the other side of the barrel element, and means for holding the bushing against displacement, comprising a coarse screw thread formed on the exterior wall of the bushing, a complementary thread in that wall of the barrel element which defines the tap hole, in screw engagement with the thread on the bushing, a flange on the bushing set to one side of the barrel element by screwing of the bushing into the tap hole, a tubular extension of the bushing beyond the other side of the barrel element, a ring embracing said extension, set to the face of the barrel element, and a peened portion of said tubular extension overlying the outside face of the ring whereby to clamp the bushing to the barrel element and to lock the same against rotary movement.

2,271,949
TAP BUSHING
James C. Mullen, Cliffside Park, N. J., assignor to Verdi Bros. Cooperage Company, North Bergen, N. J., a corporation of New Jersey
Continuation of application Serial No. 283,647, July 10, 1939. This application August 29, 1939, Serial No. 292,396
1 Claim. (Cl. 220—113)



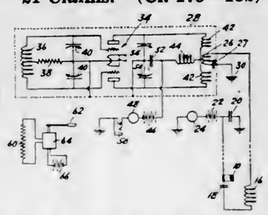
Tap bushing for beer barrels combining with a compressible barrel part having a bored opening, of a tubular member having integral therewith at one end thereof a flange for engagement with one side of the barrel part, and having a part at the other end thereof for extension beyond the other side of the barrel part, and a part tapering inwardly to said extension part between the latter and said flange, and a separable auxiliary flange embracing said extension of the tubular member, seated in a depression in the adjacent face of the compressible barrel part, and in part seated on said tapered portion of the tubular member; the extension portion of the tubular member being rolled over and set to the auxiliary flange under pressure sufficient to form said depression and to effect such seating of the auxiliary flange, and the auxiliary flange being held in said seating by the rolled-over part of the tubular member.

2,271,950
UNITARY TAP BUSH
James C. Mullen, Cliffside Park, N. J.
Application November 21, 1939, Serial No. 305,445
1 Claim. (Cl. 220—113)



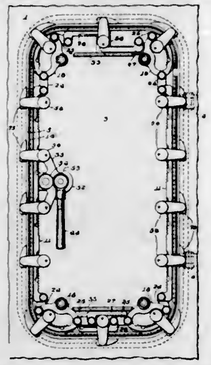
In combination, a barrel part having outer and inner substantially parallel faces, and an opening therein, a tap bush comprising a sleeve in said opening having tool holding means, and, at each end of the sleeve, a wide, flat flange, integral therewith, and which projects peripherally outward therefrom, said flanges extending in planes parallel respectively to the outer and inner faces of the barrel part, and being set flatly and tightly against the aforesaid faces of the barrel part.

2,271,951
ELECTRICAL PROSPECTING METHOD AND APPARATUS
John M. Pearson, Swarthmore, and George A. Smith, Philadelphia, Pa., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application February 12, 1936, Serial No. 63,558
21 Claims. (Cl. 175—182)



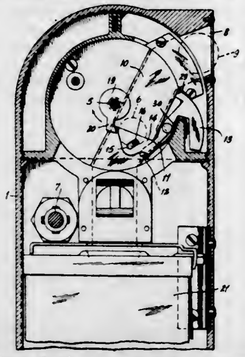
1. Means for determining the location and character of strata penetrated by a bore hole comprising an exploring unit, and means for supporting said unit for movement within and lengthwise of the bore hole; said exploring unit including a generator of high frequency oscillations, means for establishing thereby an electromagnetic field penetrating strata in the vicinity of the bore hole, means responsive to varying effects upon said field of materials in the vicinity of the field establishing means, and means for automatically producing substantially continuous records of the responses of said responsive means related to the depths at which the responses occurred.

2,271,952
QUICK-ACTING, WATERTIGHT SHIP DOOR
Joseph F. Raus, Upper Darby, Pa.
Application November 6, 1941, Serial No. 418,037
10 Claims. (Cl. 114—117)



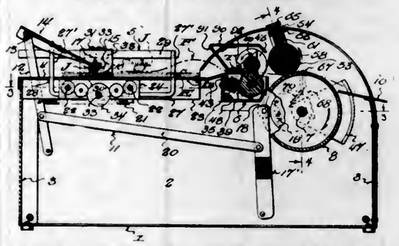
4. The combination of a wall having an opening, with a door for said opening, said door being provided with an oscillatable dog provided with teeth, a reciprocatable rack in engagement with the teeth of said dog, means to shift said rack to rotate said dog in extended position for engagement with the marginal portion of said wall, and means whereby continued movement of said first means operates to draw said dog towards said wall.

2,271,953
TIMING DEVICE
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Application August 1, 1940, Serial No. 349,120
4 Claims. (Cl. 194—19)



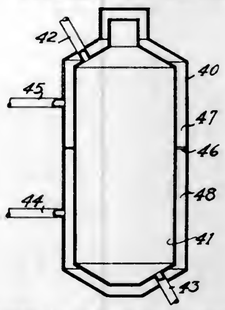
1. A timing device comprising a casing, clock mechanism therein, an exposed relatively movable dial and indicating means for indicating the passage of a predetermined period of time, the movable member being driven by said clock mechanism, an elongated chute having at its lower part a temporary coin holder, said coin holder including mechanical means actuated by the weight of a coin for initiating operation and stopping of the indicating means upon the expiration of said predetermined period of time, and means at the upper part of said chute connected with said mechanical means for preventing access of a second coin to the temporary coin holder at the lower part of said chute, said clock mechanism actuating said mechanical means to release the coin therein from the temporary coin holder just prior to the expiration of the predetermined time and admit a second coin to the temporary coin holder without stopping the clock mechanism.

2,271,954
ROTARY DUPLICATOR
Roscoe R. Rockhill, Milwaukee, Wis.
Application May 5, 1939, Serial No. 271,971
2 Claims. (Cl. 101—132.5)



1. A rotary duplicator of the liquid type comprising, a moistening roll over which the sheets are fed, a pressure feed roll engaging said moistening roll, a continuously driven cylinder containing a master copy for receiving sheets from the moistening roll, means operatively connected with said cylinder for feeding sheets to said moistening roll, and means operatively connected to said cylinder for intermittently rotating said pressure feed roll subsequent to engagement with the work sheets to cause buckling of the work sheet prior to rotation of said pressure roll.

2,271,955
METHOD AND APPARATUS FOR PREVENTION OF FORMATIONS IN TRANSFER LINES
Francis R. Russell, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 17, 1939, Serial No. 279,636
6 Claims. (Cl. 196—47)

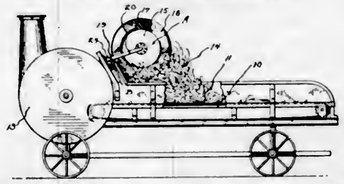


4. A process for converting petroleum hydrocarbons into relatively lower boiling and into relatively higher boiling constituents under conditions which normally cause deposition of carbonaceous material in the heating and conveying means, comprising passing said hydrocarbons through an inner zone having an imperforate hydrogen-permeable wall and substantially free of metals of the class consisting of copper and aluminum under temperature and pressure conditions to effect cracking of the hydrocarbons, maintaining hydrogen under sufficient pressure in an outer zone spaced from and surrounding said inner zone and having a lining substantially hydrogen-impermeable, said hydrogen being under sufficient pressure to cause the hydrogen to pass through said hydrogen-permeable wall and pass into said hydrocarbons being converted in said inner zone to substantially eliminate carbonaceous deposition therein.

2,271,956
PREPARATION OF ALKYL ALUMINUM HALIDES
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Application September 27, 1939, Serial No. 296,807
16 Claims. (Cl. 260—448)

1. The process for preparing alkyl aluminum halides higher than the methyl derivatives comprising contacting a fluid containing an olefine and hydrogen with an aluminum halide in intimate association with a material selected from the group consisting of metallic aluminum and activated metallic aluminum.

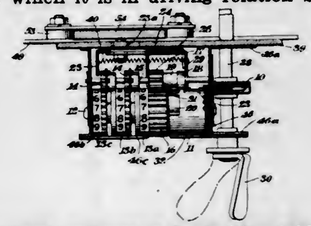
2,271,957
FEED ROLLER FOR CUTTERS
Erwin W. Salberlich, Appleton, Wis., assignor to Fox River Tractor Company, Appleton, Wis.
Application November 20, 1939, Serial No. 305,261
1 Claim. (Cl. 146—118)



The combination with a feed cutter machine including an endless conveyor and a feed paddle roll located above the conveyor, of an attachment for holding material down against the conveyor comprising, a bracket mounted upon the machine for swinging movement in a vertical plane above the conveyor, said bracket having a wheel spindle on its lower end extending transversely of the conveyor and parallel thereto, a material holding wheel arranged in advance of the feed paddle roll and having a considerably greater diameter than the paddle roll and extending above and below the paddle roll, including a hub freely rotatably on the spindle and a rim, and a rubber tire on said rim adapted to rest on said conveyor for engaging material on the conveyor, said wheel and tire having a greater diameter than their width and being of a considerably less width than said conveyor and paddle roll and disposed above the central portion of the conveyor only for engaging an intermediate part of the material carried by the conveyor.

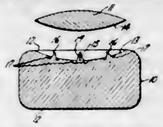
2,271,958
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 16, 1941, Serial No. 374,621
9 Claims. (Cl. 235—144)

1. In a counter, operatively connected number wheels including a units member, an actuating member, an adjustable actuating pinion locatable in three different positions in the first of which it is out of driving relation to said units member and actuating member and in the second and third of which it is in driving relation between



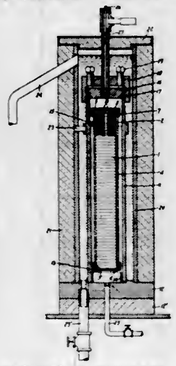
said members, and means for locking said pinion on the same one of said members in either of the first and second positions of said pinion, said actuating member having provision for rendering said locking means inoperative in the third position of said pinion.

2,271,959
SOAP CAKE
Carl O. Swanson, Minneapolis, Minn.
Application June 16, 1941, Serial No. 398,270
3 Claims. (Cl. 252—134)



1. The combination with a soap cake, of means for securing a used soap piece to one side thereof, said means comprising a plurality of widely separated pointed members extending from the side of the soap cake to enter the soap piece, fins extending laterally from at least one of said members and having lower ends terminating in spaced relation to said side of the soap cake and spaced from the bases of the members to provide shoulders beneath which material displaced from the soap piece may enter to lock the soap piece against movement off the tooth.

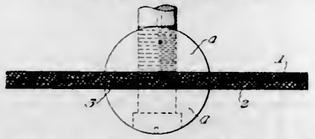
2,271,960
EXTRUSION PROCESS
George F. Taylor, Detroit, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York
Application November 4, 1939, Serial No. 302,901
20 Claims. (Cl. 75—137)



1. In an extrusion process, the steps which

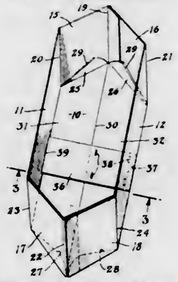
comprise mixing ingredients to be extruded with a plasticising agent, pressing the mixture into a desired shape, removing gases from said material, and thereafter extruding it.

2,271,961
LIQUID METER PISTON
Reginald L. Wakeman, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1939, Serial No. 299,533
4 Claims. (Cl. 121—69.5)



1. A piston for a liquid meter, comprising a disc composed of a non-metallic fibrous base material in the form of cohesive sheets which is substantially unaffected by water and lying in the plane of the disc, embedded in a thermo-setting phenolic resin, said piston when exposed to water having a smaller co-efficient of swelling in the plane of lamination than in the thickness.

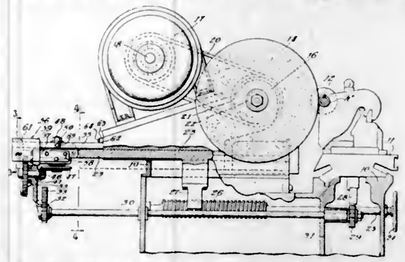
2,271,962
BOX
David Weiner, New York, N. Y.
Application May 21, 1940, Serial No. 336,376
3 Claims. (Cl. 229—41)



1. A collapsible box of cardboard or other sheet material, comprising a bottom divided by a crease line into two parts folded one to the other in the collapsed state of the box but in a common plane in the set up state of the box, opposed walls, one hingably connected to each bottom part, a tough, rigid card unitary with the bottom part at one side of the box but protruding therefrom over the other of said bottom parts to the other side of the box when the box is in set up state; said card, in direction crosswise of said projection thereof, being of less width than the width of the box bottom in the set-up condition of the box, to serve as a handle piece whereby to rock that bottom part unitary therewith for collapse of the box.

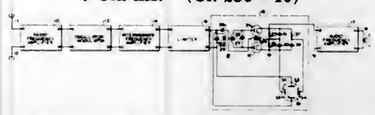
2,271,963
ROLL GRINDING MACHINE
Albert W. Wigglesworth, Miami Beach, Fla., and Elwood R. Mons, Chicago, Ill., assignors to Hill-Clarke Machinery Co., Chicago, Ill., a corporation of Illinois
Application December 5, 1940, Serial No. 368,632
6 Claims. (Cl. 51—95)

1. A grinding machine provided with means for automatically grinding convex and concave surfaces on the work, comprising a machine base, a longitudinally reciprocable work carriage on the machine base, means for reciprocating the work carriage, a grinding wheel base slidable transversely on the machine base, a flexible metal bar extending transversely of the machine and rigidly connected at one end to a fixed part of the



machine base and at its other end to the wheel base, and means operatively connected with the work carriage and engaging said flexible bar between its ends transmitting reciprocating movements to the bar and to the wheel base when the work carriage is being reciprocated, the reciprocating movements of the wheel base being in one horizontal plane.

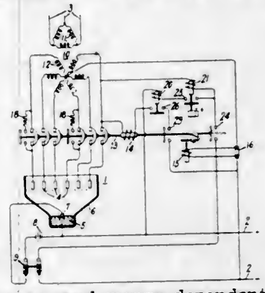
2,271,964
TUNING INDICATOR FOR CARRIER-SIGNAL RECEIVERS
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 27, 1940, Serial No. 326,154
7 Claims. (Cl. 250—40)



6. A tuning indicator for a modulated-carrier signal receiver including adjustable tuning means comprising, means for deriving from a received signal a control signal the magnitude of which varies in accordance with the degree of mistuning of said receiver on either side of said received signal, a cathode-ray tube, means responsive to said control signal for deflecting the cathode ray of said tube in a first direction in accordance with the magnitude of said mistuning, means for periodically deflecting said cathode ray in another direction to produce for each tuning position a line deflection the position of which varies with said degree of mistuning, and means for rendering predetermined portions of the said line deflections visible only within predetermined limits of tuning on either side of said received signal, less than those limits within which said line deflections would otherwise be produced.

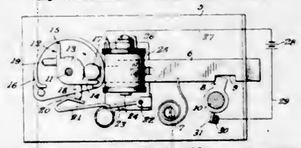
2,271,965
CONTROL SYSTEM FOR ELECTRIC VALVES
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application July 16, 1940, Serial No. 345,745
6 Claims. (Cl. 175—363)

1. In combination, an alternating current circuit, a direct current load circuit, an electric valve interconnecting said circuits, a circuit interrupter for connecting said valve to said alternating current circuit, current limiting means connected between said valve and said alternating current circuit when said circuit inter-



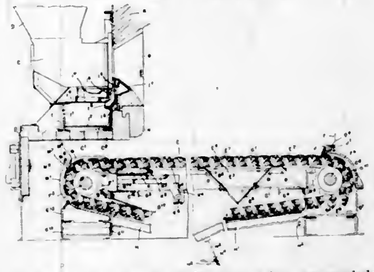
rupter is open, and means dependent upon the voltage drop produced across said direct current circuit by the current supplied thereto by said valve for closing said circuit interrupter.

2,271,966
ELECTROMAGNETICALLY CONTROLLED LOCK
Lucien J. Baribault, New York, N. Y., assignor of one-half to Julius Fein, New York, N. Y.
Application May 26, 1941, Serial No. 395,182
19 Claims. (Cl. 292—153)



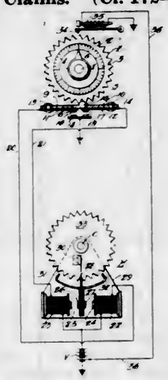
1. Means for controlling the movement of the sliding bolt of a lock, comprising a detent-carrying cradle pivotally mounted adjacent the sliding bolt, a weighted detent carried by said cradle, and electro-magnetic means cooperable with said cradle to rock the same with a snap action whereby the detent carried thereby is alternately shifted in and out of the path of movement of the sliding bolt.

2,271,967
STOKER
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application November 27, 1939, Serial No. 306,406
12 Claims. (Cl. 110—40)



4. In a stoker a traveling grate comprising a propeller chain sprockets around which said chain passes a series of adjacent grate bars extending transversely of said chain each having a perforated top portion, a deep flange depending from the forward edge of said top portion, a pivotal connection between said flange and said chain permitting rotation of said bar relative to the chain, and a segmental ledge on said flange concentric to the axis of said pivotal connection forming a seat for the rear edge portion of the top of an adjacent bar, said ledge permitting the relative movement of adjacent bars without separation of the same while passing downward around the sprocket and a shoe for limiting rotation of said bars on their pivotal connections while traveling around said sprocket said pivotal connection permitting the rotation of said bars to separate the same during the return movement of said chain.

2,271,968
REVERSIBLE ELECTRIC MOTOR
Frederick L. Creager, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 30, 1937, Serial No. 151,080. Divided and this application December 30, 1938, Serial No. 248,385
3 Claims. (Cl. 172—126)



1. An electric motor comprising a ratchet wheel, a flexible armature, a pair of pawls fixedly supported on said flexible armature for movement in a radius less than that of said ratchet wheel, and means for flexing said armature in the direction said wheel is to be driven.

2,271,969
ALLOY
Charles H. Davis, Cheshire, and Elmer L. Munson, Naugatuck, Conn., assignors to The American Brass Company, a corporation of Connecticut
No Drawing. Application October 21, 1939, Serial No. 300,584
1 Claim. (Cl. 75—160)

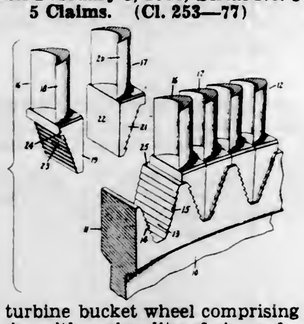
A copper-base alloy comprising about 8.5% aluminum, about 0.75% silicon, about 1% lead, about 1% manganese, and the balance substantially all copper.

2,271,970
RECOVERY OF INDIUM
Homer M. Doran, Meryl A. Jackson, and Alfred I. Alf, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
No Drawing. Application October 7, 1940. Serial No. 360,128
7 Claims. (Cl. 75—109)

1. In a process involving treatment of an aque-

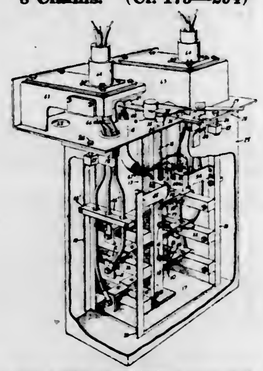
ous indium-bearing solution to precipitate indium therefrom, the step which comprises treating the solution with metallic aluminum in such manner as to cause a substantially spongy precipitate of metallic indium to be formed.

2,271,971
TURBINE BUCKET WHEEL
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 3, 1941, Serial No. 377,172
5 Claims. (Cl. 253—77)



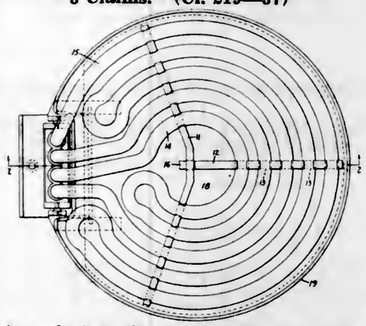
1. In a turbine bucket wheel comprising a disk having a rim with a plurality of circumferentially spaced substantially V-shaped axial slots, each slot having a circumferential width increasing outwardly in radial direction and side walls with axial serrations, a plurality of pairs of separate buckets secured to the rim, the buckets of each pair having bases with substantially plane surfaces engaging each other and serrated surfaces in intermeshing relationship with the serrations of a slot.

2,271,972
SWITCHING SYSTEM AND SWITCH FOR CONTROLLING ELECTRIC CIRCUITS
Phillip M. Engel, Lansdowne, and Winton G. Harlow, Springfield, Pa., assignors to General Electric Company, a corporation of New York
Application August 21, 1940, Serial No. 353,460
8 Claims. (Cl. 175—294)



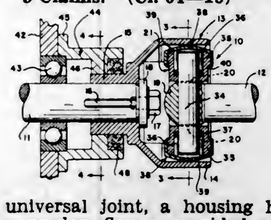
1. A disconnecting switch comprising relatively movable cooperating contacts, a housing for said contacts comprising a removable fluid container, means adapted to be operated to effect the opening operation of said disconnecting switch contacts, a first auxiliary switch, means requiring the actuation of said first auxiliary switch to a predetermined circuit controlling position before the opening operation of said disconnecting switch operating means can be effected, means for preventing the removal of said fluid container while the disconnecting switch contacts are in the closed position, a second auxiliary switch, means for effecting a circuit controlling operation of said second auxiliary switch after the opening operation of the disconnecting switch contacts and prior to the removal of said container, and means for maintaining the first auxiliary switch in said predetermined circuit controlling position as long as the disconnecting switch is open.

2,271,973
ELECTRIC HEATER
Reginald S. Gilling, Rugby, England, assignor to General Electric Company, a corporation of New York
Application July 10, 1939, Serial No. 283,678
In Great Britain July 29, 1938
3 Claims. (Cl. 219—37)



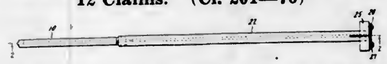
1. An electric heating unit comprising a sheathed wire resistance conductor formed into a substantially flat coil, metal supporting strips, means rigidly securing said strips to the convolutions of the coils, one of said strips, being substantially V-shaped with its limbs arranged at about 120° to each other and its apex flattened, and the other strip being straight and having a tongue on one end which passes through a slot or groove provided for it in the flattened portion of the first mentioned strip.

2,271,974
POWER TRANSMITTING MECHANISM
Anton F. Greiner, Detroit, Mich.
Application January 8, 1940, Serial No. 313,007
5 Claims. (Cl. 64—18)



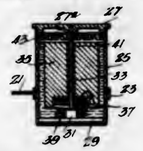
5. In a universal joint, a housing having a continuous annular flange provided with diametrically opposed openings through opposite side walls thereof and having slots extending from said openings to the free edge of the annular flange, a yoke located within the confines of the annular flange, journals extending radially outwardly from opposite sides of the yoke in diametrically opposed relation and insertable into the openings through said slots, cup-shaped retainers having annular side walls respectively extending into the openings in said annular flange in concentric relation to the journals and having a greater internal diameter than said journals, roller bearing elements supported in the annular space around the journals within the cup-shaped retainers and having a bearing engagement with both the inner surfaces of the side walls of the retainers and the external surfaces of the journals, the base portions of the retainers forming an abutment for the radially outer ends of the bearing elements to prevent outward displacement of the latter elements, and means housed by the cup-shaped retainers and engageable with the radially inner ends of the bearing elements to prevent movement of the latter in an inward direction relative to the cup-shaped retainers.

2,271,975
TEMPERATURE RESPONSIVE DEVICE
Chester I. Hall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 4, 1940, Serial No. 327,901
12 Claims. (Cl. 201—76)



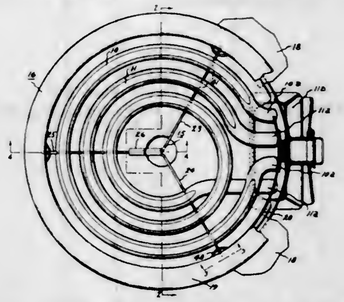
1. A temperature responsive device comprising a tubular metallic electrode closed at one end, a second metallic electrode inserted in said tubular electrode and spaced from its walls, and a temperature sensitive resistance material within said tubular electrode embedding the inner end of said second electrode formed of a preselected mixture of granular magnesium oxide, sodium silicate and copper oxide, the granular particles of said mixture being highly compressed and sintered into a coherent mass and bonded intimately with the surfaces of said two electrodes.

2,271,976
PHONOGRAPH APPARATUS
Harold J. Hasbrouck, Jr., Merchantville, N. J., and Sten E. Bartelson, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,897
3 Claims. (Cl. 188—1)



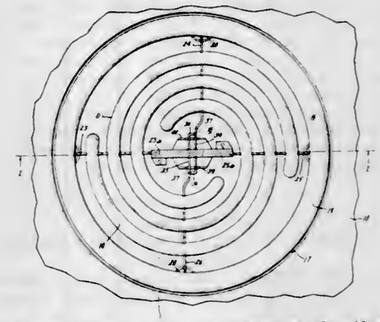
1. A vibration stabilizer for a phonographic sound translating head which comprises a hollow casing sealed from the atmosphere, a guide rod extending substantially axially therethrough, a mass having an axial bore extending therethrough of a diameter greater than that of said guide rod, said guide rod extending through said bore whereby said mass is slidable on said guide rod, said mass also being shorter than and having a smaller cross sectional dimension than said casing whereby it is spaced from said casing in all directions, a relatively weak spring on the bottom of said casing normally supporting said mass, and a liquid damping medium substantially filling the space within said casing which is unoccupied by said mass, said guide rod and said spring.

2,271,977
ELECTRIC HEATER
Charles I. Hjelmgren, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Application October 10, 1939, Serial No. 298,819
6 Claims. (Cl. 219—37)



1. An electric heater comprising a sheath wire heating element having a thermally expansible and contractible rigid sheath arranged into a substantially flat coil, a plurality of radially arranged diverging strips upon which said coil is mounted having their inner ends adjacent each other, means rigidly securing the turns of said coil to said strips, a supporting member for the outer ends of said strips, and connection means between said inner ends including a part on the inner end of one of said strips interfitting with a complementary part secured to the inner ends of the remaining strips so as to provide for free sliding movement between said parts, and said interfitting parts have interengaged surfaces of sufficient area to support said strips and heating element at the center so as to prevent sagging of the strips, and also of the turns of said heating element from the plane of said coil.

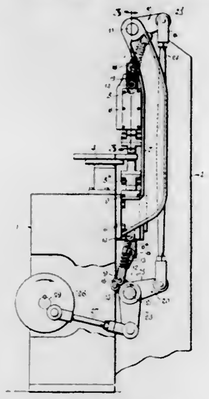
2,271,978
ELECTRIC HEATER
Charles I. Hjelmgren, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Original application October 10, 1939, Serial No. 298,819. Divided and this application September 10, 1941, Serial No. 410,339
5 Claims. (Cl. 219—37)



1. An electric heater comprising a sheath wire heating element arranged into a substantially flat coil, a plurality of strips to which the turns of said coil are secured diverging from each other at relatively wide angles, means supporting the

outer ends of said strips, and a member interlocking the inner ends of said strips having walls defining an elongated socket portion in which the inner ends of two of said strips are received in free sliding engagement, and said walls having a transverse aperture therethrough in which the inner end of another of said strips is received in free sliding engagement.

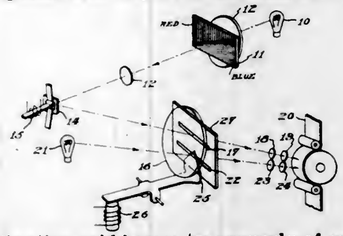
2,271,979
SOAP PRESS
Ruel A. Jones, Covington, Ky.
Application September 21, 1939, Serial No. 295,943
1 Claim. (Cl. 25—7)



A press for forming a buoyant soap cake from a blank having openings in the opposite ends thereof, comprising: a frame, a die box provided with an aperture therethrough for receiving a blank to be shaped, opposing groups of reciprocable die plungers having their ends moving in the die box to compress and shape the blank interposed therebetween, each group composed of a pair of companion plungers to simultaneously compress the respective opposite ends of the blank to close the opening and shape the ends of the blank, and an intermediate plunger to compress and shape the body portion of the blank between said pair of end plungers, a crank respectively for actuating each group of plungers having the pair of end plungers connected therewith in parallelism to operate in unison, and the intermediate plunger in a staggered trailing relation to said pair of end plungers, means for moving the cranks in an arc of movement to and from a dead center position to move the end plungers in advance of the intermediate plungers to compress the opposite ends of the blank prior to compressing the body portion and confine the compressed ends while subsequently compressing the body portion, and means for connecting the cranks for unitary actuation.

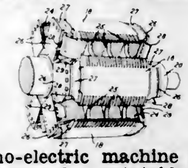
2,271,980
RECORDING OF ALTERNATING CURRENT IMPULSES
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 8, 1939, Serial No. 303,373
5 Claims. (Cl. 179—100.3)

4. An alternating current impulse recorder including means affording a light slit, means for producing a pair of differently colored light beams having a common boundary line angularly disposed with respect to said slit, and means



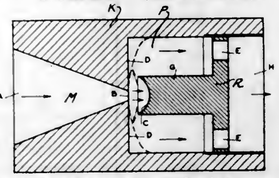
for vibrating said beams transversely of said slit in accordance with said impulses.

2,271,981
DYNAMOELECTRIC MACHINE
Milton F. Kent, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 8, 1940, Serial No. 364,827
6 Claims. (Cl. 171—252)



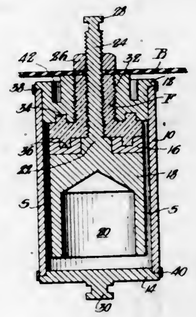
1. A dynamo-electric machine having a stationary member and a rotatable member provided with salient pole pieces, windings on said pole pieces, and means adjacent the ends of said pole pieces extending outwardly at the leading edges of said pole pieces and extending inwardly at the trailing edges of said pole pieces for directing a ventilating medium into contact with the ends of said windings and into the interpolar spaces on each side of said pole pieces without appreciable interference of ventilating medium flow from means on adjacent pole pieces.

2,271,982
HOMOGENIZATION OF LIQUID MATTER
Arnold van Kreveld, Leeuwarden, Netherlands, assignor to Coop. Condensfabriek "Friesland," Leeuwarden, Netherlands
Application March 6, 1939, Serial No. 259,980
In the Netherlands March 11, 1938
3 Claims. (Cl. 99—265)



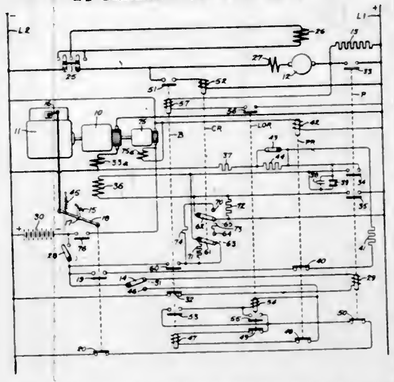
1. **Liquid homogenizing device** comprising a nozzle body traversed by a conduit of frustoconical axial section tapering evenly from the intake end towards the exhaust end and abruptly widening into a co-axially extending conduit of substantially constant, relatively large diameter, a baffle body of materially lesser diameter removably fixed in the widened part of said conduit and presenting to the exhaust end of the conical parts of said conduit an immovable baffle surface, and a counter-baffle surface surrounding the exhaust end of the conical part of said contact.

2,271,983
CAPACITOR
William D. La Rue, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1937, Serial No. 177,298
6 Claims. (Cl. 175—41)



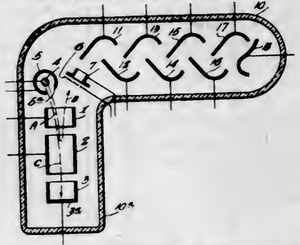
1. A capacitor comprising a pair of coaxially arranged cylindrical metal armatures presented in useful capacitive relation across an intervening space to the interior of a third cylindrical metal armature, said pair of armatures being constituted of different metals and being mounted to permit of independent movement when subject to temperature changes.

2,271,984
CONTROL SYSTEM
Jacob W. McNairy, Bridgeport, Conn., and Otto A. Keep, Harborcreek, Pa., assignors to General Electric Company, a corporation of New York
Application March 15, 1941, Serial No. 383,566
14 Claims. (Cl. 172—239)



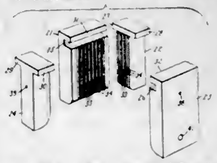
1. In a dynamic braking system, a momentum driven dynamo-electric machine having an armature and a series field winding, a braking resistor connected to complete a dynamic braking circuit including said armature, a generator connected to complete an excitation circuit including said series field winding and a common portion of said braking circuit, a field exciting winding for said generator, and means responsive to the sum of the currents in said braking circuit and excitation circuit for reversing the excitation of said field exciting winding.

2,271,985
ELECTRON DISCHARGE DEVICE
George Ashmun Morton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1939, Serial No. 292,971
7 Claims. (Cl. 250—158)



1. Method of operating an electron discharge device which comprises generating a stream of electrons having various velocities, generating an electrostatic field comprising equipotential surfaces adapted to reflect electrons of certain of said velocities and to pass the electrons of other velocities, directing said electron stream toward said electrostatic field, separately collecting the reflected and the passed of said electrons and subjecting the reflected electrons to a controlling potential prior to their collection.

2,271,986
WIRE COATING DIE
Robert W. Mungall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,991
9 Claims. (Cl. 91—53)



1. An expansible die assembly for use in coating rectangular wires comprising two pairs of oppositely disposed die members defining a die opening adapted to receive a wire to be coated, one of said pairs of oppositely disposed die members having transversely extending recesses in each of said members, the other of said pairs of die members having tongues projecting therefrom adapted to slide in said recesses, and means for holding said die members in operating relationship about said wire.

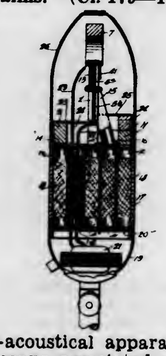
2,271,987
RESISTANCE WELDING APPARATUS
Heber L. Newell, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 8, 1941, Serial No. 414,128
6 Claims. (Cl. 219—4)



3. Resistance welding apparatus comprising a

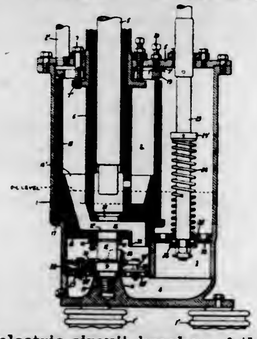
welding tip formed of a plurality of juxtaposed electrodes electrically insulated from one another and having complementary surface portions constituting the surface of a conoidal recess which extends into said welding tip from a surface thereof in which its open end is located, a holder which supports said welding tip so that work parts may be readily inserted and removed from said recess therein, and independent electrical connections for each of said electrodes of said welding tip.

2,271,988
ELECTROACOUSTICAL APPARATUS
Harry F. Olson, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1939, Serial No. 270,801
9 Claims. (Cl. 179—115.5)



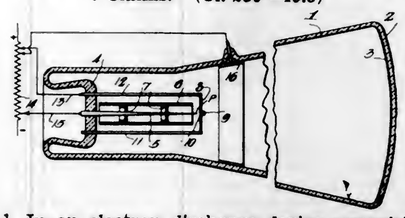
1. In electro-acoustical apparatus, a vibratile element, and means associated with at least a portion of said element for rendering said portion responsive to the pressure of a sound wave, said means including a solid member having a series of passages extending longitudinally therethrough and means affording communication between said passages to provide a continuous passage of relatively great length associated with said portion.

2,271,989
ELECTRIC CIRCUIT BREAKER
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application September 13, 1939, Serial No. 294,642
8 Claims. (Cl. 200—150)



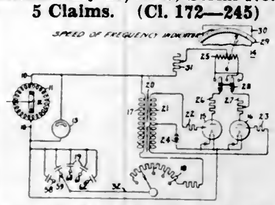
1. An electric circuit breaker of the fluid blast type comprising relatively movable contact structure arranged to form two breaks in series, means defining a blast passage for directing arc extinguishing fluid under influence of pressure generated at one of said breaks through the other break to extinguish arcing, a piston also arranged to drive arc extinguishing fluid through said blast passage to extinguish arcing, and valve structure interposed with respect to said pressure generating break and piston arranged to close when the arc pressure exceeds the piston pressure.

2,271,990
ELECTRON MICROSCOPE
Edward G. Ramberg, Haddon Heights, and George A. Morton, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,380
7 Claims. (Cl. 250—49.5)



1. In an electron discharge device comprising an evacuated envelope containing a cathode terminating in a point comprising a non-thermionic source of electrons, and means mounted in spaced relation with respect to said cathode and surrounding said point for heating said cathode, whereby to out-gas it.

2,271,991
FREQUENCY AND POWER FACTOR MEASUREMENT
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 13, 1940, Serial No. 345,398
5 Claims. (Cl. 172—245)

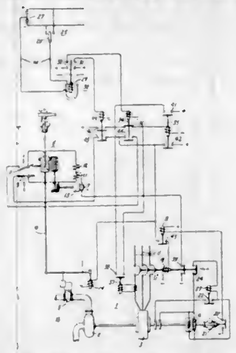


1. Frequency measuring apparatus comprising a tuned circuit energized by the alternating current circuit the frequency of which is to be measured, the power factor of said single tuned circuit changing with the frequency and apparatus for measuring the power factor of said tuned circuit, including an instrument calibrated in terms of frequency.

2,271,992
REMOTE CONTROL SYSTEM
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application January 13, 1941, Serial No. 374,153
17 Claims. (Cl. 290—4)

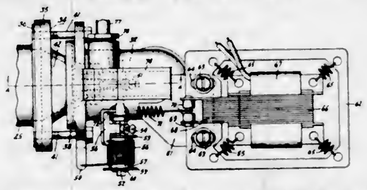
17. In a remote controlled electric station, means for effecting a predetermined control operation, and means responsive to said control

operation for decreasing the output of said station if the load on said station exceeds a pre-



determined amount and for shutting down said station if the load is below said predetermined value when said control operation is effected.

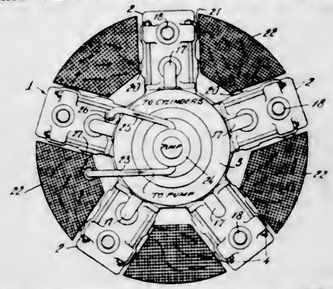
2,271,993
VALVE CONSTRUCTION FOR WASHING APPARATUS
Edgar S. Stoddard, Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application February 27, 1941, Serial No. 380,853
7 Claims. (Cl. 137—139)



1. A valve construction comprising a body member, a separable valve seat projecting into said body member, a valve member pivotally mounted on said valve seat so as to cooperate with said seat and lie within said body member, said valve member being mounted so that normally it swings freely about its pivot, a valve operating arm within said body member, means for actuating said arm in one direction to bring it into engagement with said valve element to move said element from its normally free swinging position to a closed position in engagement with said valve seat, means for biasing said arm in the opposite direction so as to move it out of engagement with said valve element and permit said valve element to return to its normal free swinging position, and means on said arm for imparting a sharp blow to said element in the initial portion of the movement of said arm in said opposite direction so that any tendency of said valve element to stick closed is prevented.

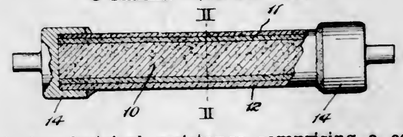
2,271,994
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Oliver F. Allen, New York, N. Y., and Otto E. Szekely, Philadelphia, Pa., assignors to Martin Motors, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1940, Serial No. 326,204
9 Claims. (Cl. 123—174)

3. In an internal combustion engine having a plurality of cylinders arranged in spaced relation in a common plane, each cylinder having a cooling liquid chamber surrounding the same and extending longitudinally thereof and provided with a cooling liquid outlet near one end of the cylinder and an inlet near the opposite end



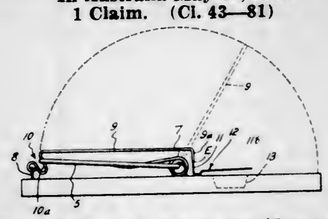
thereof, the combination of a cooling liquid circulating system comprising said chambers and a cooling radiator having a plurality of sections each connected respectively to an inlet and outlet of the cooling liquid chamber of a pair of adjacent cylinders.

2,271,995
ELECTRICAL RESISTANCE
Cesare Baroni, Milan, Italy
Application September 28, 1939, Serial No. 297,012
In Italy October 17, 1938
8 Claims. (Cl. 201—76)



1. An electrical resistance comprising a core member consisting principally of carbon and a plurality of layers superposed upon said core, said layers comprising metal, metal carbides and metal oxides, the percentage of carbon in each of said layers decreasing from the innermost layer to the external layer.

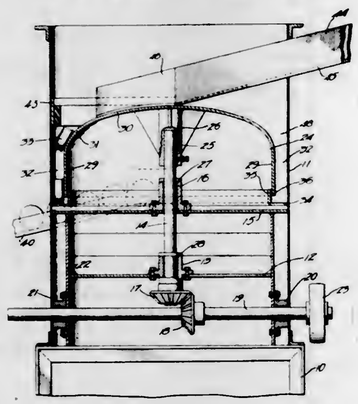
2,271,996
ANIMAL TRAP
Angus Macgregor Cameron, Croydon, near Sydney, New South Wales, Australia
Application May 18, 1940, Serial No. 336,020
In Australia May 30, 1939
1 Claim. (Cl. 43—81)



A trap of the type herein specified and comprising a base, a pair of transversely aligned pivot members carried by said base intermediate of its ends, an animal engaging loop member having one end pivotally mounted in said pivot members, a spring coiled about the pivoted end of said loop member and tensioned to urge the latter radially into sprung position, a trigger

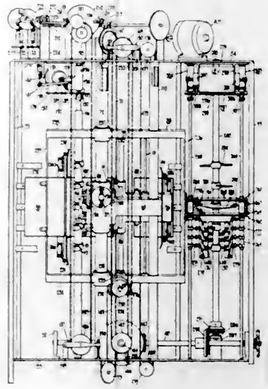
member pivoted on said base ahead of the pivotal mounting of said loop, said trigger member being of L-formation with a vertically disposed limb and a horizontally disposed limb, a bait cavity formed in said base below said last-mentioned limb, said horizontal limb being apertured to expose the bait in said cavity and directed forwardly along the longitudinal axis of said base, a loop retaining bar pivoted to the rear end of said base at a point outside the arc of movement of the free end of said animal engaging loop and formed near its pivot with a U-shaped return bend, the inner limb of said U-bend being adapted to intersect the path of movement and retain the outer end of said loop in set position, the free end of said loop retaining bar being downturned for support upon the upper edge of the vertically disposed limb of said trigger member, whereby rotary movement of said trigger member in either direction about its pivotal axis removes support from the downturned free end of said loop retaining bar to release said animal engaging loop from set position.

2,271,997
CAN ALIGNING DEVICE
Tom Chiappe, Los Angeles, Calif.
Application April 8, 1939, Serial No. 266,921
3 Claims. (Cl. 198—33)



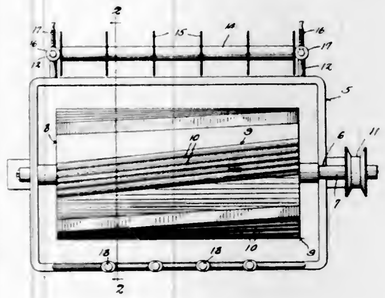
1. A can aligning device comprising a cylindrical housing, the axis of which is vertical, a dome member within the housing disposed upon a vertical axis concentric with the axis of the housing and being of a diameter sufficiently less than the housing to form an annular throat around the dome within the housing of a horizontal width slightly greater than the height of a can, said dome member having a convex top face merging into a downwardly extending cylindrical wall portion disposed substantially parallel to the inner surface of the housing said convex top face representing a spherical segment having a radius greater than that of the cylindrical portion of the dome, a floor carried by the lower edge of said cylindrical wall portion of the dome and being disposed in a horizontal plane across the bottom of the throat between the dome and the housing and upon which cans may rest on their circumferences, means for driving said dome to rotate it around its vertical axis, a runway extending through the side of the housing and communicating with the throat and through which cans may pass from the floor of the dome to be carried away.

2,271,998
ELEVATOR CONTROL MECHANISM
Edward Lee Dunn, Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application September 12, 1940, Serial No. 356,439
30 Claims. (Cl. 187—29)



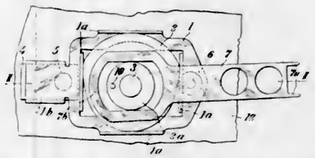
1. Control mechanism for an elevator car comprising, a plurality of switches for controlling acceleration of the car, and means dependent on car movement during starting of the car from a floor at which it was stopped for successively operating said switches respectively at points increasing predetermined distances from such floor as the car reaches such points to increase the speed of the car.

2,271,999
EMULSION TANK AND STAIN ROLL
Leo Gariepy, Woonsocket, R. I.
Application October 3, 1939, Serial No. 297,754
2 Claims. (Cl. 68—203)



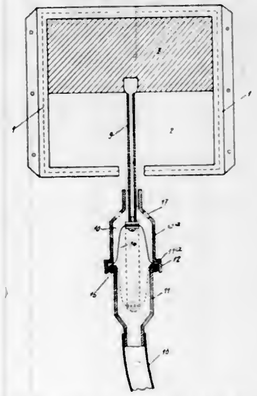
1. A device for staining wool, comprising a tank adapted to contain a staining liquid, a roll mounted for rotary movement within the tank, members having wide outer surfaces formed with shallow grooves mounted on the periphery of the roll and extending appreciable distances therefrom, said grooved members being disposed spirally of the roll, the grooves being adapted to pick up liquid from the tank and deliver the liquid above the tank as the roll rotates, and means for feeding yarn over said members, whereby the yarn becomes saturated with the staining liquid contained in the grooves.

2,272,000
CLAW MECHANISM FOR MOTION PICTURE APPARATUS
Leo Goldhammer and Willy Kaden, Munich, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 7, 1939, Serial No. 307,960
In Germany December 7, 1938
3 Claims. (Cl. 88—18.4)



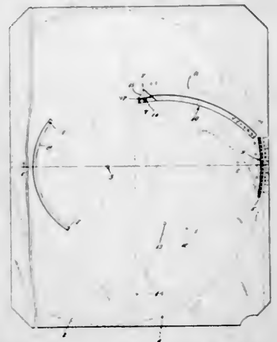
1. Claw mechanism for motion picture apparatus comprising a base plate, a claw frame having rectangular edges, a heart-shaped excentric disc encircled by and adapted to drive said claw frame, said claw frame being slidingly and pivotally mounted by an adjoining piece on a journal let into said base plate, a driving shaft for said excentric disc, a concentric ring member coaxially mounted with said excentric disc, a claw finger pivoted to said claw frame, said claw finger being slidingly guided by said driving shaft and ring member, said claw finger comprising pins for engagement with the perforations of a motion picture film, and at the opposite end thereof a guiding member slidingly mounted on said ring member.

2,272,001
PROTECTIVE FACE SHIELD FOR MASKS
Hendrik Goode, Sr., Rotterdam, Netherlands
Application December 19, 1939, Serial No. 310,090
In the Netherlands January 19, 1939
1 Claim. (Cl. 2—8)



A protecting face shield for masks, including a protective pane slidably arranged along an aperture in the mask proper and directly coupled to an elastic diaphragm mounted within a chamber and taking in unstrained condition a position on the one side or the other of a centre position and thereby presenting in section an oblong bell shape, said diaphragm being able to carry the protective pane in the said extreme positions which define the stroke-length of the movements of the protective pane, one side of the diaphragm chamber being adapted to be coupled to a blowing duct.

2,272,002
AVERAGE FINDER
Daniel Burns Haber, Mansfield, Ohio
Application October 2, 1940, Serial No. 359,438
2 Claims. (Cl. 235—61)

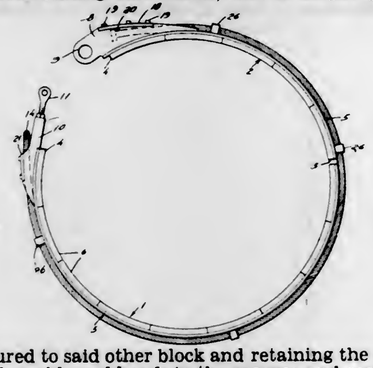


1. An average finder comprising a casing including a bottom member and a top member, a disk rotatably arranged between said members and said disk having an annular row of perforations therein adjacent its periphery and the top member having an arcuate slot therein adjacent one side edge for exposing some of the perforations, said top member also having a row of characters thereon adjacent the slot, a character being opposite a perforation appearing through the slot, said top member also having an arcuate slot therein and in an upper portion thereof, one end of which is located adjacent the upper end of the first-mentioned slot with the second slot curving upwardly and inwardly toward the center of the top member, said top member having a row of graduations thereon located slightly above the second slot and said disk having radiating rows of characters on its upper face, the second slot exposing one character of each of the rows exposed by the second slot, an indicator pivoted in the casing between the disk and the top member and having a part passing through the second slot and forming a pointer for the graduations and a part of the indicator having a hole therein for exposing the characters appearing through the second slot as the indicator is moved, said indicator having an arcuate edge provided with teeth, one of which will appear through the first-mentioned slot, whereby when a member is introduced through the first slot into a perforation of the disk to move the disk, said member will engage the tooth to move the indicator to a new graduation each time the disk is moved.

2,272,003
CLUTCH BAND
Lowell C. Holland, Lexington, Nebr.
Application February 25, 1941, Serial No. 380,536
2 Claims. (Cl. 192—107)

1. A clutch band comprising a pair of arcuate strip-like shoes internally lined and disposed end to end to form a broken annulus with outer ends spaced apart, a pair of coupling blocks on the outer ends of said shoes, respectively, opposed to the outer faces thereof, and a looped cable connecting said blocks together, said looped cable extending around said shoes along each side edge thereof and terminating in a pair of enlarged end heads, the loop of said cable slidably extending through one block and being confined therein, and the other block having a pair of grooves

therein through which said ends of the cable are trained, said grooves terminating in a pair of sockets seating said heads, and a keeper plate



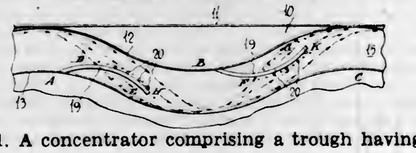
secured to said other block and retaining the ends of the cable and heads in the grooves and sockets, respectively.

2,272,004
SEWAGE PLANT
Benjamin V. Howe and Glen A. Izett, Denver, Colo.
Application October 26, 1940, Serial No. 363,058
1 Claim. (Cl. 210—2)



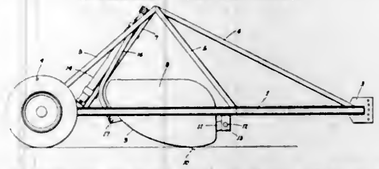
A sewer disposal structure comprising a receiving chamber, a settling chamber, said receiving chamber having an elongated narrow opening in the bottom thereof, a riser on the bottom of the settling chamber dividing the settling chamber into a pair of separated sewage receiving compartments, upstanding threaded members anchored in the riser, a bearing plate having openings therein disposed on the riser and having the threaded members extending through said openings, nuts on the upper ends of the threaded members for holding the plate against the riser, bearings on the plate, a shaft journaled through the bearings and provided with a laterally disposed gate projecting upwardly to terminate within the narrow opening and adapted to engage the lower portions of the receiving chamber at the narrow opening at either one side or the other depending upon the position to which the shaft is moved.

2,272,005
CONCENTRATOR
Walter C. Hudson, Helen, Ga.
Application October 1, 1940, Serial No. 359,287
14 Claims. (Cl. 209—458)



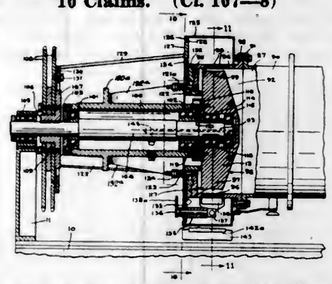
1. A concentrator comprising a trough having substantially parallel walls formed with succeeding reversed curves the curves being on radii approximately four times the width of the trough.

2,272,006
SCRAPER
Elmer A. Hyer, Modesto, Calif.
Application April 12, 1940, Serial No. 329,294
5 Claims. (Cl. 37—129)



1. A leveling scraper comprising a frame supported for movement along the ground, a bowl hung in the frame for upward tilting movement at the rear, said frame including side beams and an upwardly extending truss structure including brace members converging to a central apex above the bowl from longitudinally spaced points in the length of the beams beyond the area occupied by the bowl.

2,272,007
FOOD PROCESSING MACHINE
Thomas R. James, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Original application August 19, 1938, Serial No. 225,767. Divided and this application May 4, 1939, Serial No. 271,705
10 Claims. (Cl. 107—8)

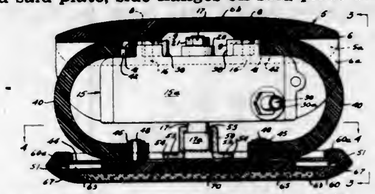


1. In a machine of the class described, a cylindrical extrusion die having a multiplicity of perforations in its side wall, a shaft extending into said die axially thereof, a crank on said shaft within said die, an extrusion roller rotatably mounted on said crank, said roller being of slightly less diameter than the die, means to rotate said shaft, the periphery of the roller being transversely concave to form a shallow circumferential groove, and means to sever the extruded material to form pellets.

2,272,008
RUBBING DEVICE
Ottmar A. Kehle, West Los Angeles, Calif., assignor, by mesne assignments, to Sterling Tool Products Company
Application October 24, 1939, Serial No. 300,969
6 Claims. (Cl. 51—170)

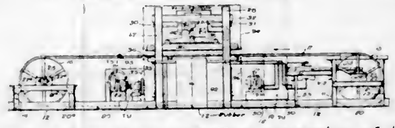
1. A device of the class described comprising a rubbing element, a pair of flexible strips secured at their lower ends to the respective ends of the rubbing element and extending upwardly therefrom, a top plate, a motor secured to and

suspended below said plate, the top ends of said flexible strips being secured between the motor and said plate, side flanges on said plate extending



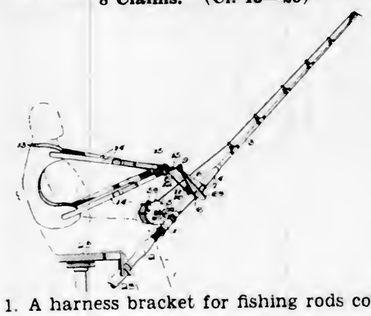
ing downwardly to cover the sides of the motor and means operatively connecting the motor to the rubbing element whereby to oscillate the latter.

2,272,009
APPARATUS FOR COMPACTING FOLDED GOODS
Henry C. Keller, Syracuse, N. Y., and Samuel Lippincott Griswold Knox, Englewood, N. J., assignors, by mesne assignments, to Lamson Corporation, De Witt, N. Y., a corporation of New York
Application January 19, 1939, Serial No. 251,864
9 Claims. (Cl. 38—10)



9. In automatic compacting apparatus of the character described, the combination of a stationary platen, a movable platen, fluid-operated means for actuating the movable platen throughout its cycle of movement from a retracted position to a compacting position and thereafter to return the movable platen to its retracted position, an endless carrier having a run extending between said platens, fluid-operated means for actuating said carrier whereby to advance successive portions of the run to the platens, a source of pressure fluid common to both said means, electrical control means for determining the period and direction of movement of the movable platen within each cycle and providing for operation of the carrier actuating means only during the period that the movable platen is at rest in its retracted position, and a plurality of operator-controlled means for rendering operative said electrical control means.

2,272,010
HARNESS BRACKET FOR FISHING RODS
John Freeman Kerkam, Washington, D. C.
Application July 12, 1941, Serial No. 402,250
8 Claims. (Cl. 43—25)



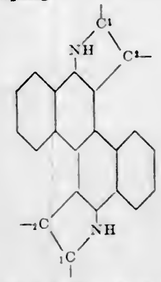
1. A harness bracket for fishing rods comprising a base portion curved to fit the grip of the rod, arms affixed to said base portion and extending outwardly and upwardly therefrom, means cooperating with said base portion to hold said harness bracket against movement on a rod, and means provided on said arms to receive the hooks of a rod harness.

2,272,011
CHRYSENE DERIVATIVES AND PROCESS OF MAKING SAME
Walter Kern, Sissach, and Richard Tobler, Riehen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 18, 1938, Serial No. 214,572. In Switzerland June 21, 1937
18 Claims. (Cl. 260—368)

10. Chrysene derivatives of the formula $(R_1—NH)_n—R—NH—R_2$ wherein R stands for a chrysene radical, R_1 and R_2 each represents a radical of a compound capable of being vatted and containing at least three condensed six-membered carbon rings and at least one carbonyl group whose carbon atom is a member of a six-membered carbon ring, and n represents an integer selected from the group consisting of 1, 2 and 3.

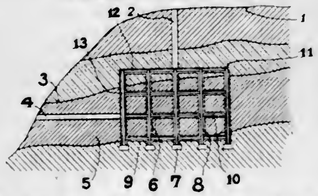
2,272,012
NITROGENOUS CONDENSATION PRODUCTS
Walter Kern, Sissach, and Richard Tobler, Riehen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 18, 1938, Serial No. 214,580. In Switzerland June 21, 1937
7 Claims. (Cl. 260—316)

1. Nitrogenous condensation products, containing the grouping



wherein the carbon atom pairs C_1C_2 each belong to an anthraquinone radical containing an α-acyl amino group.

2,272,013
METHOD OF MINING
Yasuzo Kida, Tokyo, Japan
Application September 21, 1939, Serial No. 295,966
In Japan September 29, 1938
2 Claims. (Cl. 262—1)



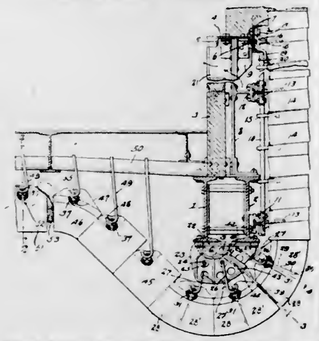
1. A method of mining comprising sinking shafts in the ore deposit at suitable intervals,

erecting pillars or timber supports in said shafts, mounting horizontal beams connecting said pillars so as to thus erect a framework, and then extracting the mineral within said framework completely.

2,272,014
COATING UNDESIRABLY PURE MONOCALCIUM PHOSPHATE FOR HEAT TREATMENT
William H. Knox, Jr., Nashville, Tenn., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application May 15, 1939, Serial No. 273,809
4 Claims. (Cl. 23—108)

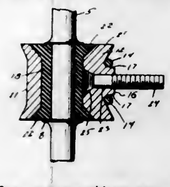
2. In the formation of anhydrous heat-treated monocalcium phosphate having a thin, glassy, substantially complete, relatively insoluble coating, the steps of adding to undesirably pure crystalline anhydrous monocalcium phosphate a thin superficial layer of a compound of the class consisting of potassium hydroxide, potassium carbonate and potassium phosphate and then heating the anhydrous monocalcium phosphate for a prolonged period at a temperature above 140° C. and below a temperature at which substantial conversion to molecularly dehydrated phosphate occurs to form a thin, glassy, substantially complete, relatively insoluble coating, the heat-treated composition containing not substantially more than 3% of pyrophosphate.

2,272,015
FURNACE ARCH CONSTRUCTION
Samuel Herbert Lanyon, San Francisco, Calif.
Application September 27, 1938, Serial No. 231,995
18 Claims. (Cl. 110—99)



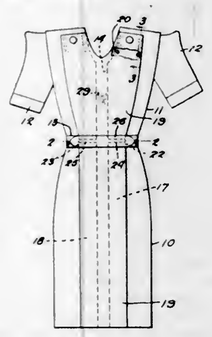
10. In a furnace construction a suspended arch including a nose casting, a beam supporting the same thereunder, a shelf straddling the casting, cooperating means on the casting and shelf for holding said shelf against longitudinal movement and providing a fulcrum for the shelf, cooperating means on the shelf and casting for holding the shelf against movement in one direction on said fulcrum when subjected to a load at its outer end, and a tile unit suspended from the casting and bearing downwardly on the shelf, said unit including a hanger detachably engaging and extending outwardly from the casting, a channelled hanger bar engaged and supported by the hanger, and tiles mounted on the bar, each tile having an opening extending therethrough provided with side and intermediate channels in the wall of the opening and with wedging portions extending into the hanger bar, each tile being separable along a line bisecting the opening and extending between the wedging means.

2,272,016
ENGINE MOUNTING
Wayne Lytle, Hillsboro, Oreg.
Application April 4, 1941, Serial No. 386,905
3 Claims. (Cl. 248—5)



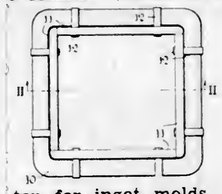
1. A mount for connecting an engine with an engine-supporting ring, said mount embodying an axially bored clamp divided longitudinally into sections, said sections at the joint therebetween provided with laterally extending apertured ears, U-bolts straddling one of the sections of the clamp and having their respective opposite ends equipped with nuts and threaded through the apertures in the ears for securing the sections of the clamp together, and a cylindrical resilient bushing mounted in the bore of the clamp and slit longitudinally.

2,272,017
MATERNITY GARMENT
Ruth M. Mahoney, Santa Monica, Calif.
Application July 16, 1941, Serial No. 402,657
3 Claims. (Cl. 2—76)



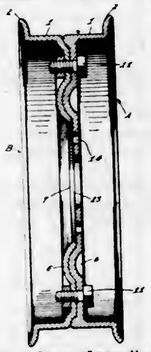
1. A maternity dress comprising, a skirt having two generally parallel edges at the front thereof defining a centrally located space therebetween, a blouse portion, said blouse portion being slit in front from the waist line to the neckline, the split in the blouse portion being in vertical alignment with the space between the edges of the skirt, and a front panel overlying the slit in the blouse portion and extending from the shoulders thereof to the hemline of the dress, the edges of said skirt being folded back upon themselves and attached to said panel to define two pleats, means connecting the blouse portion to the skirt portion, the connection being interrupted adjacent the slit, a plurality of fasteners connecting the upper edge of said panel to the shoulder portion of said blouse, and a plurality of fasteners for supporting said skirt pleat at different depths to allow for adjustment to accommodate increase in girth of the wearer, said first-named fasteners lying in different horizontal planes to allow said panel to be lowered when the waistline of the wearer increases to insure maintenance of an even front hemline.

2,272,018
HOT TOP AND ELEMENT FOR PRODUCING THE SAME
Isaac A. Nicholas, Pittsburgh, Pa., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland
Application June 30, 1939, Serial No. 282,259
9 Claims. (Cl. 22—147)



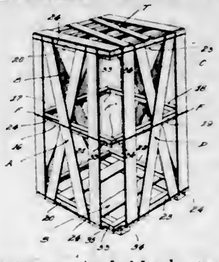
1. A hot top for ingot molds, comprising a plurality of separate slabs each composed in the main of a finely divided basic inorganic heat insulating material, and a cementitious binding substance for holding the basic material together, said hot top being characterized by the property of disintegrating to a powdery mass of non-adherent particles when subjected to the heat of the molten metal teemed into the mold to produce an ingot.

2,272,019
WHEEL
Claude G. Reemes and Epps B. Smith, Little Rock, Ark., assignors of one-third to Harry Lasker, Little Rock, Ark.
Application September 6, 1940, Serial No. 355,688
1 Claim. (Cl. 301—63)



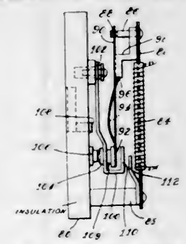
A wheel of the class described comprising a main section including a web, a rim portion and a rim flange at the free edge of the rim portion, said web having a hub receiving centrally arranged hole therein and an annular rib on its outer face of concavo-convex shape in cross section, a removable section including a web having a large hole in its center, a rim portion and a rim flange connected with the free edge of the rim portion, said web of the removable section having an annular rib on its outer face, of concavo-convex shape in cross section, the rib of the removable section forming a groove receiving the rib of the main section when the two sections are placed together, and thereby aligning the two sections and also acting to transmit vertical force exerted on the removable section to the main section and bolts for detachably connecting the two sections together, an annular rib on the outer edge of the rim portion of the main section forming an outwardly extending extension of the said rim and a ledge forming groove in the annular corner of the inner face of the removable section for receiving the last-mentioned rib when the two sections are placed together, said ledge and rib acting to transmit the major portion of the vertical load force on the removable section to the main section, the rib of the removable section defining the hole in the web of said section to strengthen the web around said hole.

2,272,020
WIRE BOUND PACKAGE
Guy Ridge, Bartow, Fla.
Application April 29, 1938, Serial No. 205,072
18 Claims. (Cl. 217—48)



2. A foldable receptacle blank comprising a plurality of wall sections, endless flexible binders fixedly attached to said sections and connecting same in mutually hinged relation, certain of said sections being foldable on axes located in the outer perimeter thereof, others of said sections being foldable on axes located in the inner perimeter thereof, and said binders intersecting said axes of fold between the respective sections in all positions thereof.

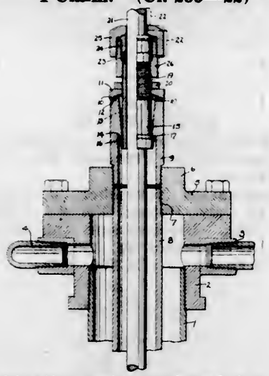
2,272,021
SNAP SWITCH
Arthur L. Riche, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Original application November 30, 1938, Serial No. 243,286, now Patent No. 2,236,699, dated April 1, 1941. Divided and this application August 3, 1940, Serial No. 350,306
7 Claims. (Cl. 200—138)



2. A thermostatically operated snap switch comprising in combination a strip of multilayered thermostatic metal mounted at one end thereof with the other end free to move with changes in temperature thereof, a tension member operatively mounted at the free end of said thermostatic strip with its opposite end free to move and extending toward the mounted end of said strip, a spring compression member adjacent said tension member and connected to the free end thereof and pivotally mounted at its other end between the mounted and connected ends of said tension member and at the free end of said thermostatic strip, the mounted ends of both

said tension and compression members being so connected to the free end of said strip as to move therewith as the temperature thereof changes, stops between which said connected end portion of said compression and tension members moves, said members being so constructed and arranged that said connected end portion moves with a snap action between said stops as said compression member mounting point and said tension member center line cross, said stops being formed by the inner surfaces of the legs of a U-shaped end portion of a loosely-mounted magnetic pendulum-like member, an electrical contact on the exterior side of one leg of said U-shaped end portion and pressing against stationary electrical contacts, said stationary contacts controlling an electrical circuit, a magnet contiguous to and in such relation to said pendulum-like member as to tend to hold said contacts together, said connected end portion pressing against the electrical contact leg of said U-shaped part when said contacts abut each other, said switch being so constructed and arranged that when said compression member mounting point crosses said tension center line said connected end portion snaps over with sufficient force against the opposite leg or stop that the pull of said magnet on said pendulum-like member is overcome and said contacts are separated thereby breaking the electrical circuit through said stationary contacts.

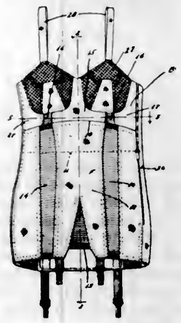
2,272,022
TUBING HEAD
Frank Edward Roberts, Los Angeles, Calif.
Application November 17, 1939, Serial No. 304,923
1 Claim. (Cl. 285—22)



A combination guide and seal for pump rods wherein the rod is subjected to flexing action including a guide sleeve through which the rod slides, a stuffing box to seal said sleeve about the rod, a support for the sleeve including a body having a flared opening therein, cooperating shoulders on said sleeve and body to prevent upward movement of the sleeve, cooperating faces on said body and sleeve to prevent downward movement of the sleeve, said last faces being curved surfaces on a sphere whose center is at the elevation of said shoulders, said shoulder on the body fitting closely about said sleeve so that the sleeve will tilt at such shoulder and said faces will slide uniformly upon each other.

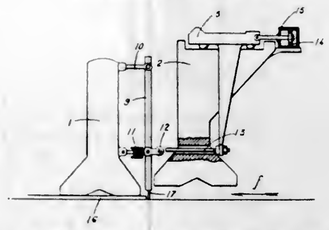
2,272,023
FOUNDATION GARMENT
Irving Rosner, New York, N. Y.
Application September 11, 1940, Serial No. 356,391
3 Claims. (Cl. 2—30)

1. In a foundation garment including a body composed of a rear portion and a front portion and a brassière section, the upper part of the rear portion extending upwardly beyond the top of the front portion the sides of the brassière section being connected with side portions of the rear of the garment, the upper portion of the front of the garment being separate from the brassière section and overlapping the same, a belt extending across the inner face of the front



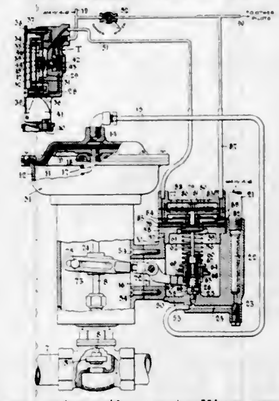
portion of the garment and including a central panel of non-elastic material and side panels of elastic material connecting the belt with the front of the garment, and cross straps connecting the lower edge of the brassière section with side edges of the central panel of the belt intermediate the ends of the central panel, the central panel of the belt extending upwardly and being connected to the upper edge of the front of the garment.

2,272,024
APPARATUS FOR BUTT WELDING METAL SHEETS
Léon Salves, Billancourt, France, assignor to Société Anonyme dite: Societe des Aciers Fins de l'Est, Billancourt, France, a corporation of France
Application June 11, 1940, Serial No. 339,982
In France June 26, 1939
3 Claims. (Cl. 219—8)



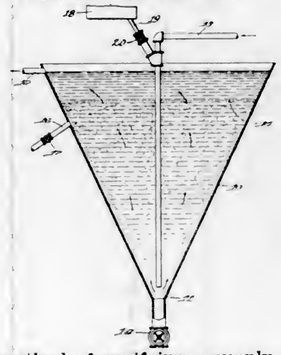
1. In apparatus for butt-welding the ends of metal sheets, a girder member for holding one sheet to be welded in a fixed position, fingers movably supported on said girder member for engaging the edge of said sheet, a second girder member for holding another metal sheet with the edge thereof adjacent the edge of the first sheet, a frame movable on the second girder member, rails carried by said frame, a welding head depending between the girder members adjacent the edges of said sheets and mounted for movement on said rails, and rigid means carried by the frame for engaging said fingers to position said rails in alignment with the edge of the sheet to be welded.

2,272,025
REGULATING SYSTEM
Otto Scharpf, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 31, 1940, Serial No. 348,917
10 Claims. (Cl. 236—1)



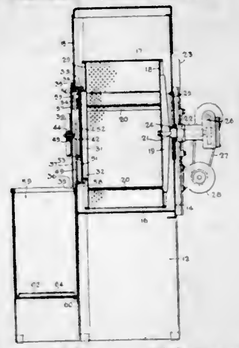
1. In an automatic controlling system for a heat exchange medium and in which the parts are arranged to operate in either a heating or a cooling cycle; a non-reversible thermostatic means; a source of heat exchange medium; a valve for controlling the flow of such medium; a source of pressure fluid; a pressure motor for operating said valve; means comprising a leak valve responsive to conditions established by said thermostatic means for controlling the flow of fluid from said source to said motor; a follow-up connection between said leak valve and said medium control valve; and means acting on said leak valve to change the operation of the medium control valve from one cycle to the other.

2,272,026
SEPARATING IMPURITIES FROM WATER
Charles H. Spaulding, Springfield, Ill.
Application October 10, 1938, Serial No. 234,272
2 Claims. (Cl. 210—58)



1. The method of purifying a supply of water laden with the impurities characteristic thereof, which comprises maintaining a zone of upwardly increasing area, mixing the impurity laden water with a precipitating agent, introducing the mixture into the lower portion of said zone at a velocity sufficient to support substantially all of the impurities and precipitate therein, passing said mixture upwardly through said zone wherein fine impurities and precipitate aggregate, simultaneously progressively diminishing the velocity of said mixture, said velocity at an intermediate portion of said zone below the top thereof being insufficient to support said impurities and precipitate, whereby a velocity-supported blanket of impurities and precipitate is created immediately below said intermediate portion of said zone and area containing clear water moving at low velocity is provided above said intermediate portion, withdrawing water highly concentrated with aggregated impurities and precipitate from the area of said blanket as a divergent side stream, and withdrawing clear liquid from said low velocity area.

2,272,027
WASHING MACHINE
Harry G. Sutton, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 3, 1940, Serial No. 327,715
3 Claims. (Cl. 68—139)

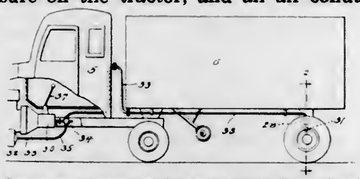


1. A washing machine comprising a casing having a liquid containing tub; an overhung perforate cylinder rotatably mounted in said tub, said cylinder having an access opening in its end remote from its mounting; a door frame member mounted in said casing in front of the opening in the end of the cylinder, said frame member having an inwardly spaced web which is close to the end of the cylinder and defines at least the lower portion of an elliptical opening whose major axis is horizontal and whose lower margin is above the level of liquid in the tub; and two doors, an inner door for closing said elliptical opening and an outer and larger door sealing against said door frame, there being a drain passage to the tub between said web and the remainder of the door frame.

2,272,028
SAFETY ANTIBACKING MEANS FOR TRAILERS
Raymond Lee Wimbish, Danville, Va.
Application November 4, 1940, Serial No. 364,286
5 Claims. (Cl. 192—4)

4. In a tractor and trailer combination, the tractor of which is provided with reversing mechanism, self-applied trailer-wheel-holding ratchet means carried by the trailer for automatically holding both tractor and trailer against rearward rolling as long as said tractor and trailer are connected and for automatically holding said trailer against rearward rolling when accidental-

ly or purposely uncoupled from the tractor, a pneumatically actuated unit on the trailer operatively connected with said wheel holding means for releasing same, a source of pneumatic pressure on the tractor, and an air-conducting



line from said source to said unit to actuate the latter, said line having an air control valve actuated by said reversing mechanism of the tractor to cause release of said wheel holding means when said reversing mechanism is set for operation.

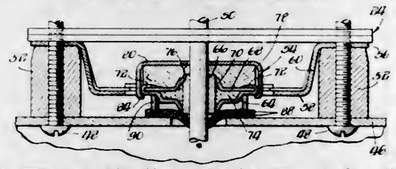
2,272,029

BEARING AND SEAL

Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 27, 1938, Serial No. 227,053

6 Claims. (Cl. 308—36.1)



1. The combination of a bearing and sealing assembly for a washing machine and the like and adapted to seal a wall having a shaft extending through an aperture in said wall, said bearing and sealing assembly comprising a normally flat, elastic sheet member having an aperture therein of smaller diameter than the shaft and transversely engaging the shaft, said shaft passing through said aperture and having a diameter substantially larger than the diameter of the aperture whereby the sheet is elastically distended to grip the shaft with a predetermined, elastic tension, said sheet elastic member having an axially extending, generally conical portion about said shaft extending into said first named aperture in the wall, the bearing being arranged in the vicinity of the plane of said wall and extending into engagement with said conical portion whereby to retain said conical configuration at all times.

2,272,030

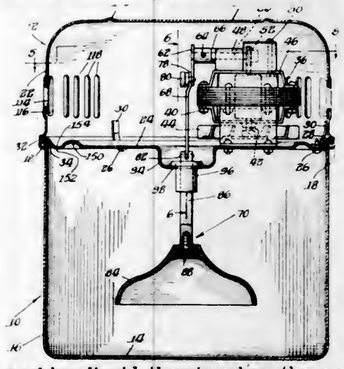
WASHING MACHINE

Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1939, Serial No. 262,195

6 Claims. (Cl. 68—122)

4. A washing machine construction of the vertically reciprocating plunger type having a cover member comprising a reciprocating plunger and motor drive means therefor, means on said cover for journalling said plunger and comprising a guide sleeve, means to permanently lubricate said sleeve comprising a cup-shaped hollow liquid retaining means at the upper end of said sleeve and forming an annular open chamber about said plunger, and a cover for said cup-shaped retaining means, said cover extending radially inwardly to a point spaced radially from said plunger surface and projecting axially downwardly to retain washing liquid therein when the construction is tilted.



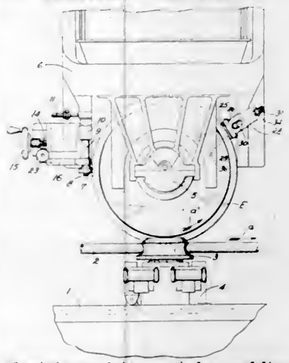
2,272,031

ELECTRIC WELDING APPARATUS

Ralph C. Berry, Berkley, Mich., and Percy R. Carlton, Cleveland, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application July 10, 1941, Serial No. 401,747

11 Claims. (Cl. 219—6)



1. In electric resistance tube welding apparatus including a rotatable electrode having a transversely curved, tube-engaging peripheral surface and a supporting shaft therefor, the combination of a rotatable dresser wheel having an axis of rotation and a cylindrical surface to engage with and dress said curved electrode surface, means for positioning said dresser wheel with its axis of rotation on the center of transverse curvature of said electrode surface and perpendicular to the axis of the electrode shaft, and means for rotating said dresser with its cylindrical surface engaging said curved electrode surface throughout substantially the full transverse length of the latter.

2,272,032

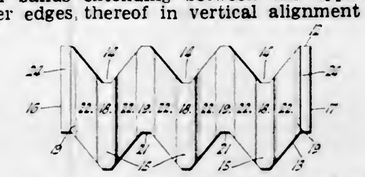
SHINGLE

Clinton W. Brown, Niagara Falls, N. Y., assignor to National Manufacturing Corporation, Tonawanda, N. Y.

Application October 26, 1939, Serial No. 301,459

9 Claims. (Cl. 108—8)

6. In a roof construction of hexagonal design composed of courses of strip shingles having tabs at their lower edges with recesses between said tabs, said shingles being relatively thick in vertical bands extending between the upper and lower edges thereof in vertical alignment with



central portions of said tabs, said shingles being relatively thin in vertical bands in vertical alignment with said recesses, the shingles of one course having the thick and thin bands thereof in register with the thin and thick bands, respectively, of shingles of an adjacent course.

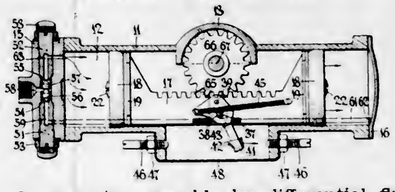
2,272,033

MOTOR

Louis Buchmann, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application April 6, 1940, Serial No. 328,306

10 Claims. (Cl. 121—123)



1. In a motor operable by differential fluid pressures and including a chamber with piston means movable therein, said motor having a fluid inlet port opening into the chamber on each side of the piston means, a fluid outlet port in the piston means leading from each side of the chamber, valve means carried by the piston means for opening one and closing the other of the outlet ports, snap action means operating upon the approach of the piston means to the limit position in either direction to reverse the open and closed condition of said valve means, and pressure responsive valve means movable in accordance with the position of the first mentioned valve means to close one and open the other of said inlet ports.

8. In a windshield cleaner, a casing having a chamber therein and comprising a body member and a cap member, piston means in said chamber and a shaft having an operative connection to said piston means, said shaft having a journal portion on each side of said connection, an annular bearing around each journal portion and held between said body and cap member and disposed in recesses therein, the bearings and at least one of said members having portions cooperating to prevent axial displacement of the bearings.

2,272,034

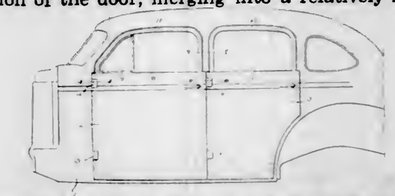
VEHICLE BODY, ESPECIALLY DOOR

John J. Calhoun, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 10, 1939, Serial No. 298,749

6 Claims. (Cl. 296—44)

1. A vehicle door having a closed lower section and an open upper section, with a transparent panel mounted therein to close or open said upper section at will, a guide rail extending upward from, and downward into, said lower section, said rail having a relatively deep and narrow U-shaped cross section above the lower section of the door, merging into a relatively shallow and wide flattened U-shaped cross section within the same, said flattened portion being secured to the adjacent end wall of the door to reinforce the latter, and extending substantially to the bottom thereof.



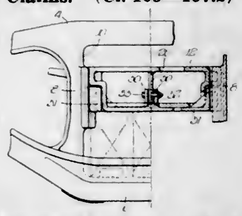
2,272,035

RAILWAY CAR TRUCK

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application January 13, 1940, Serial No. 313,724

4 Claims. (Cl. 105—197.2)



1. In a quick wheel change truck, a truss side frame having a top member, a bottom member and spaced columns defining therebetween a bolster opening, guide means on said columns, a spring seat on said bottom member beneath said opening, resilient means seated thereon, interlocking means positioned on said resilient means and having engagement with said guide means, a bolster end seated on said interlocking means and having widened portions engaging said guide means, whereby said bolster end and said interlocking means cooperate as a unit with said guide means, said guide means being spaced from said top member a distance approximately equal to the depth of said widened portion, whereby said bolster may be raised and disengaged from said guide means while said interlocking means remains in normal operative position in engagement with said guide means, and means including a central boss on said interlocking means for securing said interlocking means to said bolster so that when said bolster disengages with said guide means the engagement of said interlocking means with said guide means prevents accidental disengagement of said bolster and side frame.

2,272,036

GOLF BALL COVER STOCK

John B. Dickson, Northampton, and Raphael A. Stafford, Chicopee, Mass., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1939, Serial No. 255,870

11 Claims. (Cl. 273—62)

1. A golf ball cover consisting of an intimate

mixture of pigments, substantially 100 parts of a hard thermoprene formed by reacting rubber with a sulfur-containing acid, and from 50 to 170 parts of a rubbery material chosen from the class consisting of rubber, a composition formed by blending polyisobutylene and rubber, and a composition formed by blending glue and rubber, the ball cover being of good click characteristics, resistant to cutting, resistant to cracking during normal use, and of good putting characteristics.

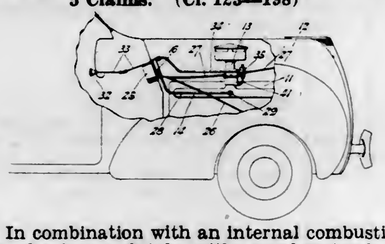
2,272,037

ENGINE ACCESSORY SYSTEM

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y., a corporation

Application April 1, 1939, Serial No. 265,614

5 Claims. (Cl. 123—198)



4. In combination with an internal combustion engine having an intake with a carburetor having a float chamber, a suction operated device having an air inlet passage and having an air outlet passage connected to said intake of the engine, and a mixing valve in said air inlet passage for mixing fuel with air passing therethrough, said air inlet passage being open to the atmosphere at the end thereof opposite from the suction operated device and thereby being subject to atmospheric pressure when there is no substantial flow of air through said suction operated device, said mixing valve having a fuel discharge orifice opening thereinto and in constant communication with said float chamber, said mixing valve being disposed above the fuel level in said float chamber and fuel being induced into the mixing valve through said orifice by the passage of air therethrough.

2,272,038

HEAT CONDUCTING REFRACTORY MATERIALS

John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application July 7, 1938, Serial No. 217,975

2 Claims. (Cl. 106—66)

1. A heat conducting refractory comprising ferrosilicon 80 to 20% by weight, chromic oxide 50 to 10% by weight, and silicon carbide 70 to 15% by weight, bonded by 5 to 60% by weight of fused sillimanite.

2,272,039

REFRACTORY COMPOSITION

John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application July 20, 1938, Serial No. 220,268

2 Claims. (Cl. 106—57)

1. A composition comprising sillimanite, silicon and a fused refractory from the group consisting of alumina, zirconia and chromium oxide, said materials being bonded together by the reaction products resulting from the action thereon of 1%–10% by weight of phosphoric acid and .5%–5% by weight of chromic acid.

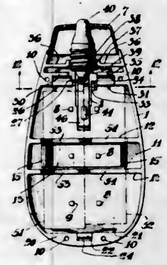
2,272,040

FLASHLIGHT

Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.

Application May 24, 1939, Serial No. 275,364

3 Claims. (Cl. 240—10.65)



1. In a flashlight, a casing of insulating material, comprising two similar sections having transverse walls with recesses therein to accommodate a pair of dry cells, a spring contact at one end of said casing for said cells, means at the other end to make and break connection to a lamp bulb, and spring means surrounding the spaces for said cells for holding said sections in assembled relation.

2,272,041

HUNTING JACKET

Harry E. Pocock, Snyder, N. Y., assignor to Lyon & Coulson, Inc., Buffalo, N. Y.

Application December 16, 1939, Serial No. 309,617

4 Claims. (Cl. 2—94)



1. The combination of a hunting jacket and removable game pouch, said jacket having pouch securing means adjacent its opposite shoulder portions and other pouch securing means laterally spaced and disposed at its lower portion, said pouch comprising a pocket portion having opposed panels secured to each other along their upper and lower horizontal edges and having side openings for access to said pocket, said pouch having a panel portion extending upwardly from the upper edge of said pocket portion and having means for detachable engagement with the securing means disposed at the opposite shoulder portions of said jacket, and means associated with said pouch for detachable engagement with the lower securing means of said jacket.

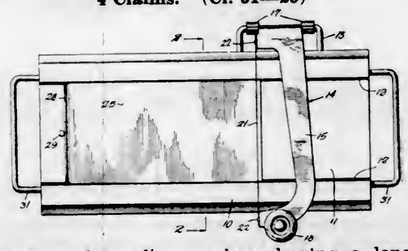
2,272,042

FOOD SLICER

Lester Samelson, Bridgeport, Conn., assignor to Lorraine Metal Manufacturing Company, Bridgeport, Conn., a corporation of New York

Application June 4, 1940, Serial No. 338,677

4 Claims. (Cl. 31—25)



3. In a food slicer, a base having a longitudinally extending groove in the upper surface thereof disposed at an angle to the surface of the base; a sheet metal food tray slidable on the upper surface of the base, said tray having a dependent flange located in said angularly disposed groove for interlocking said tray to said base and for guiding said tray during sliding movement to bring food carried thereby to a cutting station; and means at this cutting station for slicing the food carried by the tray, said tray being removable from the base for cleaning by sliding the same from the end of the base.

2,272,043

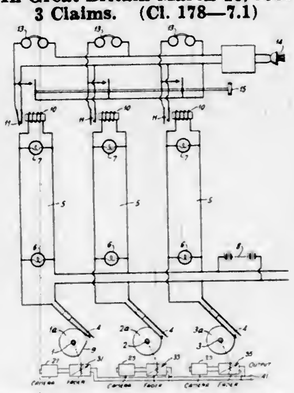
SIGNALING SYSTEM

Cecil Oswald Browne, West Acton, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application March 30, 1940, Serial No. 326,876

In Great Britain March 16, 1939

3 Claims. (Cl. 178—7.1)



1. A signaling system comprising a plurality of television cameras, each of said cameras having a video output circuit, a common television channel, a central control unit for said cameras, said unit including means for selectively connecting one of said output circuits to said channel, a separate instruction signaling channel connected from said control unit to each of said cameras for carrying information from said control unit to said cameras, and switching means actuated by said selective connecting means for energizing the signaling channel associated with the selected output circuit.

2,272,044

INSECT REPELLENT

Roscoe H. Carter, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application June 25, 1940, Serial No. 342,298

1 Claim. (Cl. 167—33)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An insect repellent containing as its essential active ingredient di-morpholine thiuram disulfide.

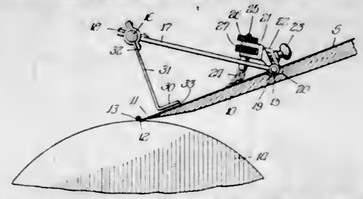
2,272,045

SHEET CONTROLLING APPARATUS

Edward F. Dudley, Oak Park, Ill., assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 16, 1940, Serial No. 370,302

10 Claims. (Cl. 271—58)



1. In a printing press of the class specified, and including an impression cylinder mounted for reciprocation in a linear path, the combination of front registering guides on said cylinder, a sheet support, and sheet controlling means operative to swing into the plane of a sheet placed onto said support and including at least one flexible element adapted to engage the top surface of such sheet, to thereby urge its leading edge into contact with said guides and hold it in registered position on said support.

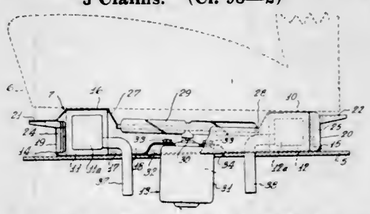
2,272,046

UNDER SEAT AUTOMOBILE HEATER

Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 3, 1940, Serial No. 327,603

3 Claims. (Cl. 98—2)



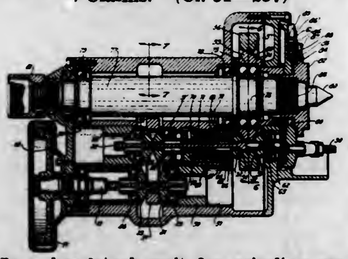
1. A vehicle under-seat heat-exchanger casing comprising, a walled casing having a transversely extending depressed return air channel in its top wall provided with an air inlet therein and a pair of spaced air delivery openings in front and rear walls thereof, said front and rear walls being of

high and low dimensions, respectively, said channelled top wall joining said front and rear walls being inclined with a slope rearwardly from the high front wall to the low rear wall, and a fan means mounted in the casing adapted to move air through the inlet opening in the depressed channel in the top wall thereof and discharge air through the delivery openings in the front and rear casing walls into the area adjacent the front and rear of the seat.

2,272,047
INSECTICIDE
Andrew F. Freeman, Bogalusa, La., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application July 2, 1940, Serial No. 343,560
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An insecticide containing as its essential active ingredient 1,4-diphenyl semicarbazide.

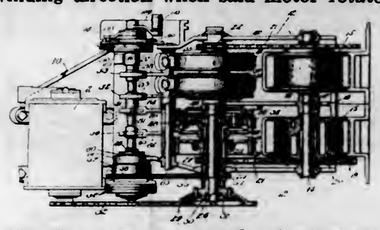
2,272,048
HEADSTOCK
Frederick S. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application December 30, 1940, Serial No. 372,263
9 Claims. (Cl. 51—237)



1. In a headstock unit for grinding machines and the like, the combination of a housing having a work driving member journaled therein, a disk operatively connected to said member, a power driven shaft journaled in said housing, a prime mover operatively connected for driving said shaft, said shaft having a pair of oppositely beveled disks mounted thereon and operatively connected thereto, and a rigid member for transmitting motion from the shaft to the work driving member, said rigid member circumscribing all of said disks and having a pair of beveled surfaces for frictionally engaging the beveled surfaces of said pair of disks and a third surface for frictionally engaging the periphery of the disk associated with said work driving member.

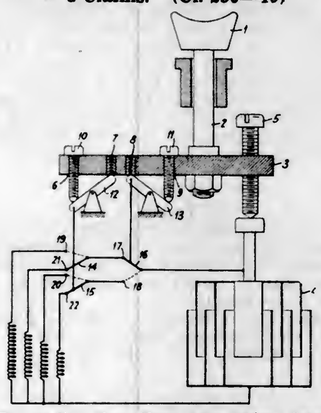
2,272,049
DRAFT DEVICE
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1940, Serial No. 371,552
22 Claims. (Cl. 254—185)

22. In a draft device of the class described, a pair of winding drums, a reversible motor, drive connections from said motor to said winding drums, controlling connections for said drive connections, and drive connections from said motor to said controlling connections, operative to cause said motor to drive one of said winding drums in a winding direction when said motor rotates in



one direction and to cause said motor to drive said other winding drum in a winding direction when the direction of rotation of said motor is reversed.

2,272,050
CONTROL APPARATUS FOR SIGNALING APPARATUS
Alexandre Horowitz, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1940, Serial No. 341,282
In the Netherlands May 20, 1939
3 Claims. (Cl. 250—40)



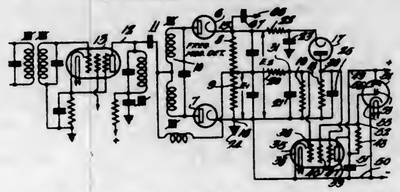
1. In radio signaling apparatus having adjustable tuning means and a plurality of operable pre-settable means each acting upon operation to effect the adjustment of said adjustable tuning means to any one of a plurality of different positions, an operable switching instrumentality, said switching instrumentality having more than two contacting positions, means acting upon operation of one of said pre-settable means for operating said switching instrumentality to select two of said contacting positions and means also acting upon operation of said pre-settable means for selecting one of said two selected positions.

2,272,051
NECKTIE SMOOTHER
George N. Phelps, East Haddam, Conn.
Application May 16, 1940, Serial No. 335,527
5 Claims. (Cl. 223—63)



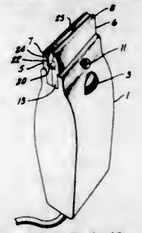
1. A necktie smoother composed of a single piece of wire bent to oval shape to form the rounded end of a body which is gradually tapered into a narrower portion comprising branches having free ends, means for removably securing said ends together, and a spring housed within said rounded end of said body, said spring having branches, the whole conforming in shape to the rounded end and sides of said body and of a width substantially that of the space between the sides of said body, said spring branches being secured at their free ends to the sides of said body to exert outward pressure between the sides of the body to preserve its form.

2,272,052
TUNING INDICATOR SYSTEM
John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1940, Serial No. 362,910
10 Claims. (Cl. 250—40)



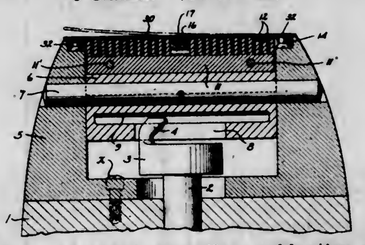
1. In a frequency modulation signal receiving system, the combination of a frequency discriminator network, means for applying variable frequency signals thereto, rectifier means connected with said network providing a balanced output circuit, and means for deriving from said output circuit two voltages which vary in the same sense and at differing rates in response to signal frequency variation causing a divergence which maximizes in response to a predetermined signal frequency.

2,272,053
ELECTRIC SHAVING IMPLEMENT
James D. Altemus, Roslyn, N. Y.
Application January 7, 1938, Serial No. 183,755
1 Claim. (Cl. 30—43)



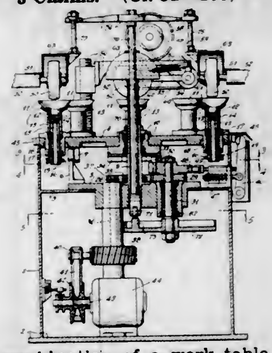
In a shaving implement, the combination comprising a stationary shaving head having a longitudinal slot formed therein and extending through the top wall thereof whose outer opposing marginal edges comprise shearing edges, a movable cutter bar member mounted in said slot and means, including a plurality of rollers, mounted on one of said members, and a plurality of co-operating transversely oblique grooves, formed in the other of said members, for effecting reciprocation of the cutter bar obliquely with respect to the longitudinal axis of the slot in the shaving head, whereby the longitudinal edges of the cutter bar during the reciprocation thereof approach and then recede from the adjacent shearing edges of the shaving head thus alternating forming hair-receiving slots on either side of the cutter bar during the movements thereof.

2,272,054
ELECTRICAL RAZOR
James Dobson Altemus, Roslyn, N. Y.
Application March 31, 1938, Serial No. 199,108
9 Claims. (Cl. 30—43)



2. In an electrical razor, the combination comprising a shaving head having a longitudinal slot whose margins constitute shearing edges, a transversely slotted stationary guard member positioned in said slot, a movable cutter bar having a discontinuous cutting edge mounted in said head and adapted to periodically cross the respective shearing edges of said slot, the cutting areas of the edge of said cutter bar lying flush with the outer surface of said guard and means for effecting movement of said cutter bar.

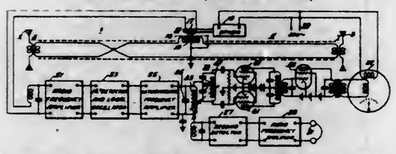
2,272,055
POLISHING AND GRINDING MACHINE
Gustave A. Carlson, Detroit, Mich.
Application April 12, 1939, Serial No. 267,470
3 Claims. (Cl. 51—108)



1. The combination of a work table mounted for rotation about an axis, work supporting means positioned at intervals around said table for presenting work pieces to different stations as a result of rotation of the table, a hollow axis member confining rotation of said table to a vertical axis, a shaft reciprocable in said hollow axis member and extending above and below the table, work appurtenant means carried by the upper portion of said shaft and adapted to be lowered thereby for contact with work pieces on said work supporting means and adapted to be raised thereby to clear the work pieces and permit movement thereof from one station to another, a Geneva movement for rotating said table intermittently, and a cam connected to the con-

stantly moving element of the Geneva movement for elevating said shaft and the work performing member during rotation of the table.

2,272,056
RADIO COURSE INDICATOR
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 23, 1938, Serial No. 231,300
10 Claims. (Cl. 250—11)

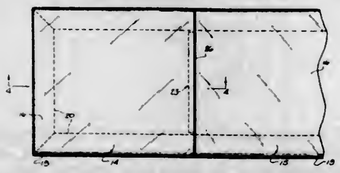


10. The method of indicating the position of a radio wave front with respect to a reference line which includes deriving currents non-directionally from equi-potential points spaced along said wave front, frequency modulating said currents, demodulating said frequency modulated currents, and indicating the phase of said last mentioned currents by comparison with a reference phase.

2,272,057
RESIN EMULSION
Harold C. Cheetham, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application November 2, 1937, Serial No. 172,380
11 Claims. (Cl. 260—6)

10. A coating composition comprising an aqueous emulsion of a mixed resin composed of from 70 to 98% by weight of a water insoluble drying oil modified alkyd resin of acid number below 15 and from 2 to 30% by weight of a rosin-maleic acid resin of acid number below 40.

2,272,058
TABLE TOP, COUNTER TOP, OR THE LIKE
Walter G. Dieter, William G. Ritton, and Paul M. Hull, Parkersburg, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 18, 1938, Serial No. 235,632
2 Claims. (Cl. 311—106)



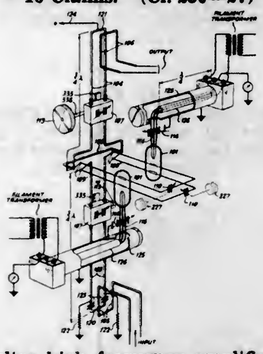
1. In a table top, counter top or the like, a plurality of compound slabs or panels arranged side by side in abutting relation, each comprising a frangible facing sheet, a reinforcing backing beneath and secured to said facing sheet, and a protective metal rim extending along the exposed edges of each slab and having a portion thereof embedded in the reinforcing backing, the reinforcing backings of adjoining panels being provided at their meeting edges and inwardly of the opposite side edges thereof with interlocking tongue and groove portions whereby said slabs may be aligned with one another, the opposite ends of said groove being closed and engageable by the ends of said tongue to prevent transverse relative movement between the said slabs.

2,272,059
PHOTOFLASH LAMP
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,738
In Hungary August 19, 1939
9 Claims. (Cl. 67—31)



3. A lamp comprising a light-passing self-supporting sealed container from the group of organic plastics characterized by translucency and flexibility, said container having therein a combustible metal and a combustion-supporting gas at substantially more than atmospheric pressure within said container, and means for instigating combustion of said metal, said gas pressure tending to retain the container inflated to maximum volume and obtaining increased light intensity upon ignition.

2,272,060
ULTRA HIGH FREQUENCY AMPLIFIER SYSTEM
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,117
16 Claims. (Cl. 250—27)



1. An ultra high frequency amplifier comprising a vacuum tube having a filament, a connection from the center of said filament to a point of zero radio frequency potential, and means associated with said connection for series tuning the reactance between the center of said filament and said point to provide a path of low impedance to radio frequency energy.

2,272,061
HOLLOW GLASS BUILDING BLOCK
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 10, 1939, Serial No. 255,722
2 Claims. (Cl. 72—41)

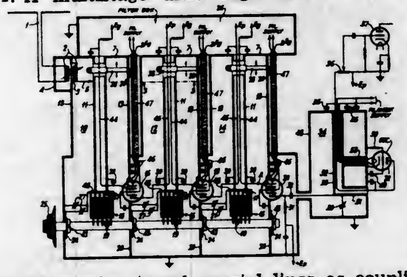
1. A glass building block composed of two sections joined together at the edge portions thereof to provide a hollow sealed unit, and a coating of



colored ceramic enamel adherent to said edge portions for securing said sections to one another and being visible through the walls thereof.

2,272,062
COAXIAL LINE ULTRA HIGH FREQUENCY AMPLIFIER
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 1, 1939, Serial No. 259,144
17 Claims. (Cl. 179—171)

1. A multistage ultra high radio frequency



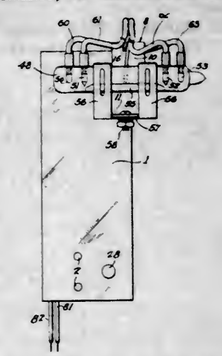
amplifier using tuned coaxial lines as coupling impedances between stages, said coaxial lines being parallel to one another, a rotary condenser having stator plates mounted on the inner conductor of each coaxial line for tuning each line, the plates of each condenser being in planes which are parallel to the longitudinal axis of the line which it tunes, and a single shaft mechanically and directly connected to the rotor plates of said condensers for simultaneously varying said rotary condensers.

2,272,063
ELECTRIC CONTACTING MEMBER
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application June 5, 1939, Serial No. 277,496
3 Claims. (Cl. 200—166)

1. An electric contact element consisting of .05 to 4% beryllium by weight and the balance silver.

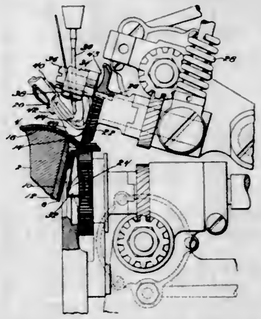
2,272,064
SWITCH MECHANISM
Joseph R. Kirkpatrick, South Euclid, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1939, Serial No. 288,631
8 Claims. (Cl. 200—122)

1. Switch mechanism comprising a support, a rocker frame including side plates disposed on opposite sides of a part of said support, said part being provided with bearings, the side plates of the rocker frame having apertures aligned with said bearings, a spring wire pivotal element formed to provide a cross bar extending across the rocker frame and depending legs adjacent the side plates whose lower ends are turned inwardly to produce pintles engaged through the apertures of the side plates and journaled in the aforesaid bearings, the rocker frame being thus pivoted to the support, an electric switch actuated by the rocker frame, a thermosensitive element



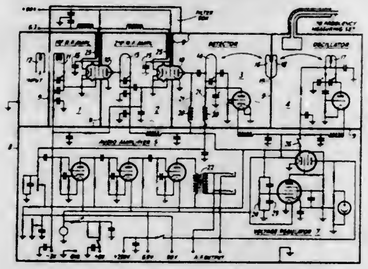
operatively connected to the aforesaid cross bar so as to move the frame through the intervention thereof, and means for imparting heat to said thermosensitive element.

2,272,065
SHOE LASTING AND WELTING MACHINE
Edward W. Koloske, Milwaukee, Wis., and Leonard S. Curtin, Belmont, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 25, 1941, Serial No. 385,124
11 Claims. (Cl. 12—6)



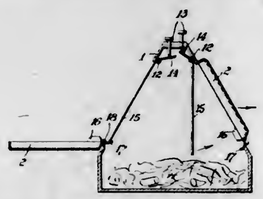
1. A machine for lasting a shoe upper and attaching the upper and a welt to the marginal portions of an unchanneled sole member of relatively flexible material mounted on the tread surface of a last having, in combination, stitch forming devices operating along the break line formed by the angle between the side and tread surface of the last, means including upper tensioning members on the machine for imparting a stretch to the upper and sole member at a distance from the last to cause the upper and sole member to gape at the tread surface side of the break line on the last in advance of the point of operation of the stitch forming devices, and means for directing a welt towards the point of operation of the stitch forming devices at such an angle that the welt is supported by the gaping portion of the upper against the action of the stitch forming devices and is drawn, together with the upper, around the break line of the last onto the tread surface of the last by the pull of the stitches.

2,272,066
ULTRA SHORT WAVE SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1939, Serial No. 264,904
9 Claims. (Cl. 178—44)



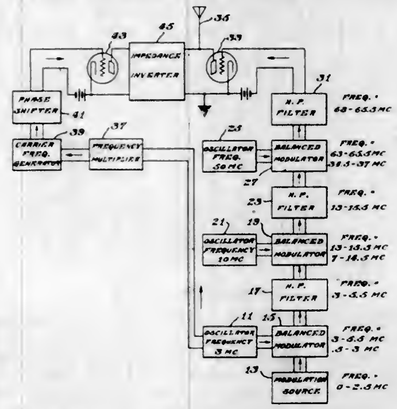
9. Coupling apparatus comprising a pair of wire elements connected together to form a single turn loop, and a shielding surface located between said wire elements and connected to said loop at one point.

2,272,067
ASH TRAY
Jean Louis Poivrel and Marie Charles Hubert Michelaag, Paris, France
Application June 22, 1938, Serial No. 215,158
10 Claims. (Cl. 220—29)



6. A receptacle for ashes or the like with at least one upwardly inclined wall and an aperture therein for the delivery of ashes into the receptacle, comprising a collecting plate for ashes or the like arranged on the outside of said inclined wall and pivoted to the receptacle near the lower edge of said aperture, said collecting plate being adapted to be swung into a first position for receiving ashes and into a second position for delivering ashes through said aperture and closing same, a closure plate arranged on the inside of said inclined wall and pivoted to the receptacle near the upper edge of said aperture, said closure plate being adapted to be swung into a first position for closing said aperture and into a second position for opening said aperture, means for swinging said closure plate into closing position, holding means arranged on said collecting plate, said holding means extending into the receptacle when the collecting plate is in its first position, and cam means arranged on said collecting plate, said cam means extending into the receptacle when the collecting plate is in its second position, said closure plate being adapted to contact with said cam means of said collecting plate for swinging same into ash receiving position when the closure plate is swung into closing position, said holding means being adapted to engage with said closure plate for holding same in closing position when said collecting plate is in ash receiving position, and said holding means becoming disengaged from said closure plate so that said closure plate swings by gravity into opening position when the collecting plate is swung into ash delivery position.

2,272,068
SINGLE SIDE BAND AND CARRIER TRANSMITTER
Dale Pollack, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1939, Serial No. 281,919
4 Claims. (Cl. 250—17)

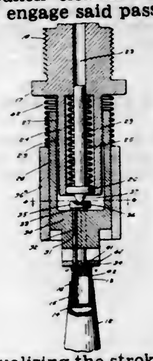


1. A single side-band and carrier transmitter including in combination a source of carrier frequency currents, a source of modulation currents, means for combining said currents, means for filtering currents of a single side-band from said combined currents, a second carrier source, means for applying said single side-band currents to said second carrier source to obtain a second carrier current modulated to include a pair of side-bands, means for selecting currents corresponding to one of said pair of side-bands, a single side-band amplifier having its input biased to cut-off and its output connected to a load circuit, an impedance inverter connected to said load circuit, a carrier amplifier having its input connected to said carrier source and its output connected to said impedance inverter, means for applying said selected side-band currents to said single side-band amplifier, and means for adjusting the phase of the first carrier currents with respect to the selected single side-band currents so that a desired phase relation exists between the carrier currents and side-band currents in said load circuit.

2,272,069
PUNCH APPARATUS FOR RUBBER ARTICLES
Paul A. Raiche, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application May 29, 1939, Serial No. 276,349
13 Claims. (Cl. 164—124)

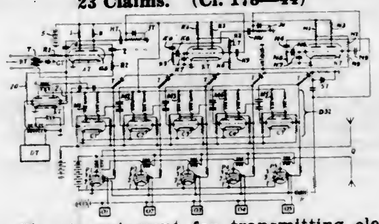
1. In combination, a die having a plurality of spaced passageways, and a punch having a plurality of separate punch elements aligned with said passageways, said passageways having sharp

edges and said punch elements having conical points adapted to engage said passageway edges,



and means for equalizing the stroke and the pressure of said punch elements.

2,272,070
ELECTRIC SIGNALING SYSTEM
Alec Harley Reeves, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 22, 1939, Serial No. 305,665
In France October 3, 1938
23 Claims. (Cl. 178—44)



1. Signal equipment for transmitting electric signals representative of a given complex wave; comprising means for transmitting any one of a finite series of finitely different signals, said signals being arbitrarily considered as respectively representing a finite series of elementary amplitude ranges which lie adjacent one another and together cover the total amplitude range of said complex wave; control means responsive to the momentary amplitude of said complex wave for controlling said first means to cause the transmission of that one of said series of signals which represents the particular one of said elementary amplitude ranges containing said momentary amplitude; and means for rendering at least one of said previously mentioned means intermittently effective to cause intermittent transmission of signals representative of the approximate amplitudes of said complex wave at successive moments.

2,272,071
SPARK PLUG INSULATOR
Frank H. Riddle, Detroit, and Leonard G. Tait, St. Clair Shores, Mich., assignors, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
No Drawing. Application March 10, 1938, Serial No. 195,106
3 Claims. (Cl. 106—46)

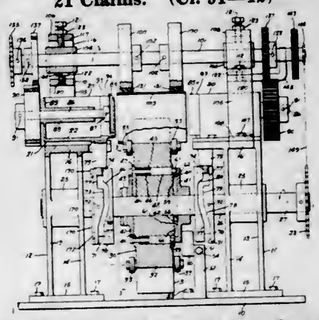
1. A ceramic bath for producing electric insulating material the major portion of which consists of alumina and mineralizing material for the alumina, the mineralizing material consisting of alkaline earth metal compounds, compounds of zircon, and boric acid, the zircon constituting about one-fifth of the mineralizing material and the boric acid constituting about one-tenth of the mineralizing material, and the mineralizing material being about one-ninth as much as the alumina.

2,272,072
CIRCUMCISION RING
Cecil J. Ross, Portland, Oreg.
Application May 22, 1939, Serial No. 274,980
1 Claim. (Cl. 128—346)



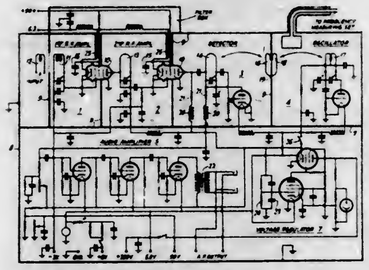
A circumcision ring, comprising an annulus having a ligature-receiving groove formed thereabout on the periphery thereof, said ring being adapted to be applied to the glans beneath the prepuce at a posteriorly inclined angle and with said groove parallel to the corona of said glans, a forwardly directed handle fixedly attached to the anterior end of the ring at substantially diametrically opposite sides thereof, said handle extending from said ring at a fixed angle thereto of more than 90° and substantially less than 180° so that said handle is adapted to be parallel to the axis of the penis when said ring is applied at said posteriorly inclined angle aforesaid.

2,272,073
CONTAINER MANUFACTURE
Rudolf William von Sydow and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application May 26, 1939, Serial No. 275,838
21 Claims. (Cl. 91—12)



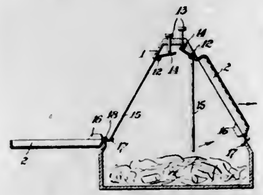
1. A machine of the character described for applying a band of sealing material to the ends of container bodies in preparation for receiving end closures thereon comprising means for receiving and rotatably supporting a container body, means including a rotary applicator member carrying sealing material thereon and adapted to be received within an end of said container body, means for supporting said applicator member for rotary and axial movement about an axis generally parallel with the axis of rotation of the container body, means for moving said applicator member axially into contact with the interior of said container body for applying sealing material in predetermined positioning on the interior of said container body while maintaining

2,272,066
ULTRA SHORT WAVE SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1939, Serial No. 264,904
9 Claims. (Cl. 178—44)



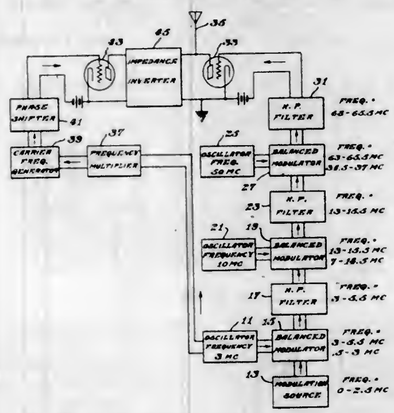
9. Coupling apparatus comprising a pair of wire elements connected together to form a single turn loop, and a shielding surface located between said wire elements and connected to said loop at one point.

2,272,067
ASH TRAY
Jean Louis Poivrel and Marie Charles Hubert Michelaag, Paris, France
Application June 22, 1938, Serial No. 215,158
10 Claims. (Cl. 220—29)



6. A receptacle for ashes or the like with at least one upwardly inclined wall and an aperture therein for the delivery of ashes into the receptacle, comprising a collecting plate for ashes or the like arranged on the outside of said inclined wall and pivoted to the receptacle near the lower edge of said aperture, said collecting plate being adapted to be swung into a first position for receiving ashes and into a second position for delivering ashes through said aperture and closing same, a closure plate arranged on the inside of said inclined wall and pivoted to the receptacle near the upper edge of said aperture, said closure plate being adapted to be swung into a first position for closing said aperture and into a second position for opening said aperture, means for swinging said closure plate into closing position, holding means arranged on said collecting plate, said holding means extending into the receptacle when the collecting plate is in its first position, and cam means arranged on said collecting plate, said cam means extending into the receptacle when the collecting plate is in its second position, said closure plate being adapted to contact with said cam means of said collecting plate for swinging same into ash receiving position when the closure plate is swung into closing position, said holding means being adapted to engage with said closure plate for holding same in closing position when said collecting plate is in ash receiving position, and said holding means becoming disengaged from said closure plate so that said closure plate swings by gravity into opening position when the collecting plate is swung into ash delivery position.

2,272,068
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Dale Pollack, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1939, Serial No. 281,919
4 Claims. (Cl. 250—17)

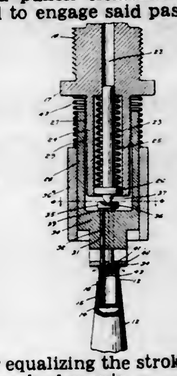


1. A single side-band and carrier transmitter including in combination a source of carrier frequency currents, a source of modulation currents, means for combining said currents, means for filtering currents of a single side-band from said combined currents, a second carrier source, means for applying said single side-band currents to said second carrier source to obtain a second carrier current modulated to include a pair of side-bands, means for selecting currents corresponding to one of said pair of side-bands, a single side-band amplifier having its input biased to cut-off and its output connected to a load circuit, an impedance inverter connected to said load circuit, a carrier amplifier having its input connected to said carrier source and its output connected to said impedance inverter, means for applying said selected side-band currents to said single side-band amplifier, and means for adjusting the phase of the first carrier currents with respect to the selected single side-band currents so that a desired phase relation exists between the carrier currents and side-band currents in said load circuit.

2,272,069
PUNCH APPARATUS FOR RUBBER ARTICLES
Paul A. Raiche, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application May 29, 1939, Serial No. 276,349
13 Claims. (Cl. 164—124)

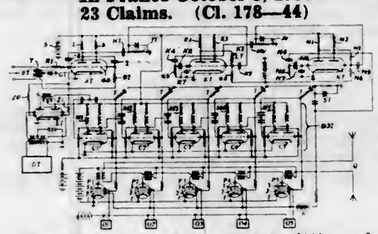
1. In combination, a die having a plurality of spaced passageways, and a punch having a plurality of separate punch elements aligned with said passageways, said passageways having sharp

edges and said punch elements having conical points adapted to engage said passageway edges,



and means for equalizing the stroke and the pressure of said punch elements.

2,272,070
ELECTRIC SIGNALING SYSTEM
Alec Harley Reeves, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 22, 1939, Serial No. 305,665
In France October 3, 1938
23 Claims. (Cl. 178—44)



1. Signal equipment for transmitting electric signals representative of a given complex wave; comprising means for transmitting any one of a finite series of finitely different signals, said signals being arbitrarily considered as respectively representing a finite series of elementary amplitude ranges which lie adjacent one another and together cover the total amplitude range of said complex wave; control means responsive to the momentary amplitude of said complex wave for controlling said first means to cause the transmission of that one of said series of signals which represents the particular one of said elementary amplitude ranges containing said momentary amplitude; and means for rendering at least one of said previously mentioned means intermittently effective to cause intermittent transmission of signals representative of the approximate amplitudes of said complex wave at successive moments.

2,272,071
SPARK PLUG INSULATOR
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No Drawing. Application March 10, 1938, Serial No. 195,106
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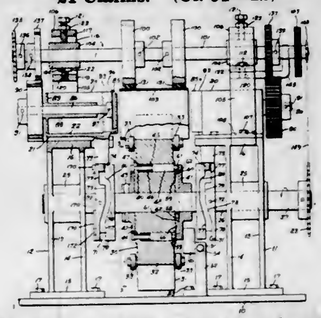
1. A ceramic bath for producing electric insulating material the major portion of which consists of alumina and mineralizing material for the alumina, the mineralizing material consisting of alkaline earth metal compounds, compounds of zircon, and boric acid, the zircon constituting about one-fifth of the mineralizing material and the boric acid constituting about one-tenth of the mineralizing material, and the mineralizing material being about one-ninth as much as the alumina.

2,272,072
CIRCUMCISION RING
Cecil J. Ross, Portland, Oreg.
Application May 22, 1939, Serial No. 274,980
1 Claim. (Cl. 128—346)



A circumcision ring, comprising an annulus having a ligature-receiving groove formed thereabout on the periphery thereof, said ring being adapted to be applied to the glans beneath the prepuce at a posteriorly inclined angle and with said groove parallel to the corona of said glans, a forwardly directed handle fixedly attached to the anterior end of the ring at substantially diametrically opposite sides thereof, said handle extending from said ring at a fixed angle thereto of more than 90° and substantially less than 180° so that said handle is adapted to be parallel to the axis of the penis when said ring is applied at said posteriorly inclined angle aforesaid.

2,272,073
CONTAINER MANUFACTURE
Rudolf William von Sydow and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application May 26, 1939, Serial No. 275,838
21 Claims. (Cl. 91—12)

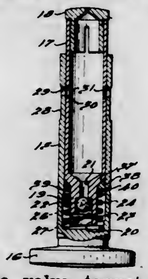


1. A machine of the character described for applying a band of sealing material to the ends of container bodies in preparation for receiving end closures thereon comprising means for receiving and rotatably supporting a container body, means including a rotary applicator member carrying sealing material thereon and adapted to be received within an end of said container body, means for supporting said applicator member for rotary and axial movement about an axis generally parallel with the axis of rotation of the container body, means for moving said applicator member axially into contact with the interior of said container body for applying sealing material in predetermined positioning on the interior of said container body while maintaining

the outer surface of the body substantially free from sealing material, and means for effecting relative rotation of said container body with respect to said applying means to provide for uniform application of said sealing material in a band extending entirely around the inner periphery of the container body.

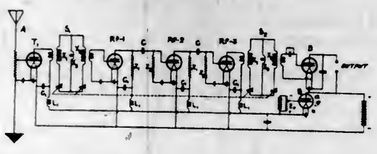
10. A machine of the character described for applying a band of sealing material to the ends of container bodies in preparation for receiving end closures thereon comprising means for receiving and supporting a container body, spray means having a nozzle for directing a spray of said sealing material upon the surface of said container in a plane substantially normal to the container axis, means for moving said spray means inwardly and outwardly of an end of said container body over a limited travel relative to the length of said container and providing for spraying sealing material in a narrow band on the inner surface thereof, means for effecting controlled movement of said spray means into and out of the end of said container body, valve controlled means carried by said spray means and operable to open and closed position, respectively, directly in response to its movement into and out of the container body for controlling the operation of the spray means, and means for effecting coordinated relative rotation of said container body with respect to said spray means to provide for the application of said sealing material in a band having predetermined relatively narrow width and extending transversely of the container body and continuously around the inner periphery thereof.

2,272,074
VALVE TAPPET
Carl Voorhies, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application June 4, 1934, Serial No. 728,813. Divided and this application September 15, 1939, Serial No. 295,104
8 Claims. (Cl. 123—90)



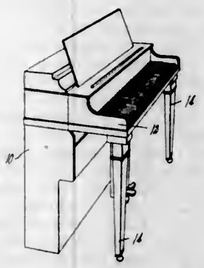
1. A hydraulic valve tappet comprising, in combination, a cylindrical body provided with a longitudinal bore, said body being closed at one end and open at the other, a plunger disposed in said bore and in conjunction with said cylindrical body defining the hydraulic compression chamber between the plunger and the closed end of said cylindrical body, said cylindrical body adapted to receive a liquid therein, means providing for relatively free flow of said liquid past said plunger in said bore in one direction only, and resilient means for extending said plunger outwardly with respect to said cylindrical body, means including a washer-like element of ductile metal providing a seal between the plunger and cylindrical body for substantially preventing flow of liquid out of said hydraulic compression chamber and means providing for a definite and predetermined escapement of liquid out of said hydraulic compression chamber.

2,272,075
RECEIVING SYSTEM FOR MODULATED WAVES
Frederick K. Vreeland, Montclair, N. J.
Application August 17, 1928, Serial No. 300,172
4 Claims. (Cl. 179—171)



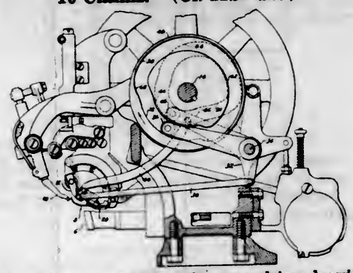
1. In a receiving system for modulated signal waves, an amplifier comprising a plurality of amplifier tubes arranged in cascade relation, a pre-selector with collecting means in operative relation therewith in advance of the first tube with respect to received waves and comprising two reactive couples each having variable reactances, coupling means between two of said amplifier tubes comprising two reactive couples each having variable reactances, and substantially aperiodic coupling means between others of said amplifier tubes.

2,272,076
PIANO
William A. Watson, Malden, and Earl W. Smith, Burlington, Mass., assignors to Jerome F. Murphy, Wellesley, Mass.
Application July 31, 1939, Serial No. 287,468
1 Claim. (Cl. 84—240)



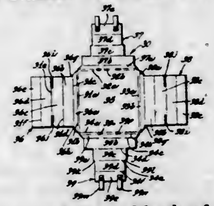
An upright piano having a casing, including two relatively movable sections, said piano having a playing mechanism comprising two separable parts mounted on said sections respectively, one of said parts including a piano action with pivoted whippens projecting forward from their pivots, the other said part including a set of keys, abstracts attached to and extending down from said keys, a lever for each abstract pivoted at its forward end and having a rear end portion with a straight upper edge which normally slopes downward and rearward and engages under the forward end of its corresponding whippen, each said whippen having a rounded forward end edge having a rolling engagement with said straight upper edge of its corresponding lever, and means connecting each lever at an intermediate point thereof to its abstract.

2,272,077
SHOE SEWING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 18, 1939, Serial No. 309,791
10 Claims. (Cl. 112—221)



1. An inseam shoe sewing machine having, in combination, stitch forming devices including a hook needle having a plurality of curvatures of different radii, said curvatures being concentric with a plurality of centers disposed at spaced points, a needle carrier, and means for oscillating the needle carrier successively about said centers concentric with the respective curvatures of the needle.

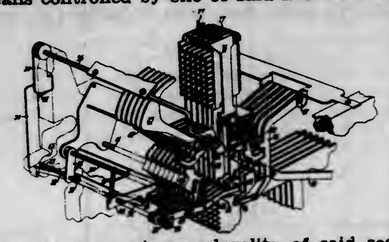
2,272,078
PANEL
Philip Zalkind, New York, N. Y.
Original application October 19, 1935, Serial No. 45,708. Divided and this application October 11, 1938, Serial No. 234,405
5 Claims. (Cl. 189—53)



1. A panel comprising a blank of sheet material having fold lines along which said blank is manually foldable, flaps integral with said blank foldable to form reinforced edges of hollow construction for said panel; extensions on one of said flaps and slots on an adjacent flap arranged to interlock with the flaps in the folded position; whereby when one of said flaps is secured in position as a hollow reinforcing member, the other of said flaps is also secured in position as a hollow reinforcing member.

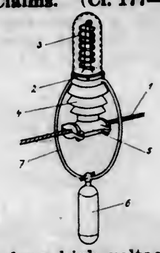
2,272,079
PRINTING MECHANISM FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1938, Serial No. 248,429
7 Claims. (Cl. 101—93)

1. In a machine of the class described, a plurality of type supports each carrying a zero type, an auxiliary type support associated with each first mentioned support and being movable while the first mentioned support is at rest, the auxiliary supports carrying character type and means controlled by one of said first mentioned



supports for moving a plurality of said second mentioned supports to move the character type out of printing position.

2,272,080
DEVICE FOR THE NIGHTLY LIGHT BEACONING OF HIGH TENSION OVERHEAD CABLES
Joseph Bethenod and Daniel Kayser, Paris, France, assignors to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva, Paris, France
Application March 11, 1939, Serial No. 261,352
In Switzerland March 31, 1938
7 Claims. (Cl. 177—352)

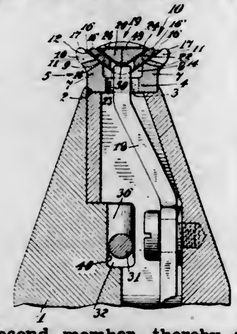


4. A marker for a high-voltage overhead cable, comprising an electric lighting unit, means for securing said lighting unit to said cable and at one side thereof, a capacitative element positioned on the opposite side of the cable from said lighting unit and constructed to evolve a light-energizing capacitative leak current from the cable through the unit, terminals for said lighting unit, means connecting one of said terminals to the cable and the other of said terminals to the capacitative element, said capacitative element being of such weight that it will serve as a counterweight for said lighting unit to maintain it in an upright position.

2,272,081
DRY SHAVING DEVICE
Irving S. Bodkin, New York, and Conrad R. Schumacher, Lynbrook, N. Y.
Application July 21, 1937, Serial No. 154,702
17 Claims. (Cl. 30—43)

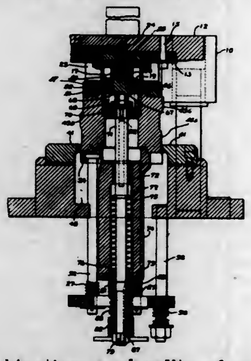
1. In a device of the class described, the combination of a member having a longitudinally extending groove in the upper side thereof and upwardly and outwardly inclined cutting teeth adjacent said groove, and a V-shaped member mounted in said groove adapted to be reciprocated with respect to said first member, said second member having upwardly and outwardly inclined cutting teeth the extremities of the V-shaped sides in sliding contact with the teeth of said first member to provide a cutting plane inclined at an angle with respect to the surface

of the skin from which hair is to be removed, the ends of the teeth of said first member extending upwardly and outwardly beyond the teeth



of said second member, thereby serving as a guard during the cutting operation and the ends of the teeth of said second member being rounded to depress the skin during the cutting operation.

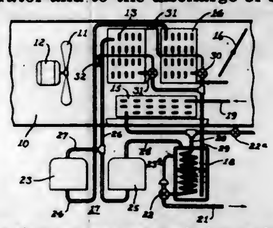
2,272,082
DIE
Charles M. Brehm, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application July 19, 1939, Serial No. 285,383
17 Claims. (Cl. 164—19)



1. In combination, a plurality of cooperating die members adapted to be brought together and move simultaneously in one direction in translation, means for shifting said die members relatively during such simultaneous movement, and a blank-engaging member supported for tilting movement in one of said die members as the die members shift.

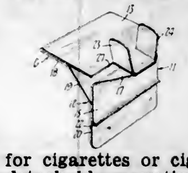
2,272,083
AIR CONDITIONING APPARATUS
Robert R. Candor, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 8, 1935, Serial No. 48,893
6 Claims. (Cl. 62—6)

5. An air conditioning apparatus comprising a first evaporator having means for maintaining said evaporator at a relatively warm refrigerating temperature, a second evaporator having means for maintaining said evaporator at a relatively cold refrigerating temperature, said evaporators satisfying a common air cooling load, a first motor-compressor unit connected to said second evaporator, a second motor-compressor unit having its suction side connected to said first evaporator and to the discharge of said first



unit, condensing means connected to said second unit and to said evaporators, and means inherently responsive to air conditions for starting said units in sequence.

2,272,084
DETACHABLE REST FOR CIGARETTES AND CIGARS OR THE LIKE
Chester B. Clapp, Oakland, Calif.
Application September 25, 1940, Serial No. 358,195
7 Claims. (Cl. 131—235)



1. A rest for cigarettes or cigars or the like adapted for detachably mounting on an ash receiver and comprising, a member formed with a flat portion intermediate its length adapted to overlie the top edge of a side wall of the receiver and to support a cigarette or cigar or the like on the top face thereof, the end portions of said strip being returned under said intermediate portion to a substantially abutting position under and adjacent said intermediate portion and then extended in parallel depending side by side relation to provide opposed legs adapted to resiliently engage the opposite sides of said receiver wall, and spaced uprights on said intermediate portion for holding a cigarette or cigar therebetween on said intermediate portion.

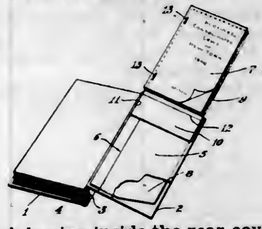
2,272,085
PORTABLE LAMP
James Gould, Jr., Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application September 6, 1939, Serial No. 293,531
2 Claims. (Cl. 200—168)



1. A switch unit for a multiple circuit floor lamp comprising a cast hollow body, an internally threaded insert in the lower end of the body to fit onto a lamp column, a similar insert in

the upper end of the body to support the head of a multiple circuit floor lamp, the body having a side opening to receive a switch, a switch inserted through said opening, the switch being spaced from the back of the body to provide space for wires, a switch supporting plate secured across said opening, a switch operator outside the plate, the operator covering the plate and having indicia adapted to be moved past a fixed marker on the body to show the switching connection being established.

2,272,086
BOOK
Milton H. Harris, Brooklyn, N. Y.
Application November 30, 1940, Serial No. 367,869
4 Claims. (Cl. 281—16)



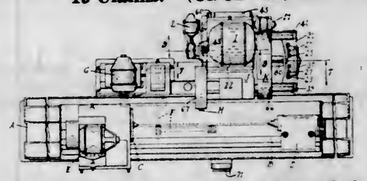
1. A book having inside the rear cover a pocket opening sideways adjacent the back in combination with a supplement consisting of an oblong trunk, two arms projecting therefrom, and a plurality of attached leaves, the trunk being narrower than the book cover, the first arm being shaped to fit the cover pocket and projecting from the left side of the trunk, the upper horizontal border of said arm being a continuation of the upper horizontal border of the trunk, said arm being folded backward along its line of junction with the trunk and inserted in the cover pocket, the second arm being smaller in length and width than the book cover and projecting from the top of the trunk, said second arm being scored along its line of junction with the trunk, the plurality of leaves being smaller in length and width than the said second arm and mounted within its confines.

2,272,087
DRILLING MACHINE
Albert Hossfeld, Winona, Minn.
Application June 7, 1940, Serial No. 339,294
8 Claims. (Cl. 255—40)



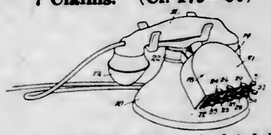
1. In a drilling machine, a hollow shaft having on its lower end a bit, means for reciprocating the shaft, a port leading from the exterior of the shaft to the interior thereof, a check valve normally closing the port, means for rotating the shaft, a non-rotatable conduit, a hose attached at one end to the upper end of the shaft for rotation therewith and leading laterally therefrom with its outer end portion loosely extending into the conduit, and means supporting the hose with freedom for rotation with the shaft and in the conduit.

2,272,088
ROLL GRINDER
Gunnar V. Hultgren, Ansonia, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application September 22, 1939, Serial No. 296,032
15 Claims. (Cl. 51—49)



1. In a roll grinding machine, a work bed, a work carriage, means including an electric motor for traversing the work carriage, a back bed, a wheel unit on said back bed having a vertically shiftable wheel, means including an electric motor for traversing said wheel unit on said back bed along the work, and means insuring individual operation only of said motors and preventing their concurrent operation, said last-named means being controlled in its operation by the vertical position of the grinding wheel.

2,272,089
DIALING DEVICE FOR TELEPHONES
Louis E. La Guardia, New York, N. Y.
Application August 10, 1939, Serial No. 289,382
7 Claims. (Cl. 179—90)

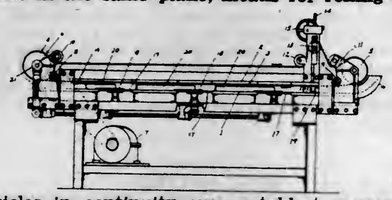


4. The combination with a dial telehpone having a base and a rotary dial plate mounted thereon and formed with dial openings therein, of a dialing attachment which comprises a supporting member, means for attaching the supporting member on the base so as to retain it against rotation with respect thereto, a plurality of levers mounted on the supporting member representing the respective dial openings and means forming a positive mechanical connection between the levers and dial plate so that movement of the levers causes positive rotation of the dial plate through an arc corresponding to the position of the dial opening represented by the lever.

2,272,090
SPHERE-SMOOTHING APPARATUS
Albert Fehr Larabee, Greensburg, Pa., assignor to Pennsylvania Rubber Company, a corporation of Pennsylvania
Application May 23, 1940, Serial No. 336,760
4 Claims. (Cl. 154—16)

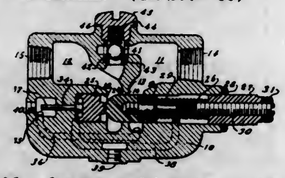
1. Apparatus for smoothing the surfaces of

compressible spherical articles, which consists of a succession of table-top areas extending in a common plane, a turn-table whose surface extends in the same plane, means for rolling the



articles in continuity over a table-top area, a turn-table area, and a second table-top area, and means for defining vertically the space interval above the table-top areas through which the articles advance.

2,272,091
FLUID ACTUATED VALVE
Peter L. Loewe, Logansport, Ind., assignor to Logansport Machine, Incorporated
Application November 9, 1940, Serial No. 365,096
5 Claims. (Cl. 277—60)



1. A fluid valve comprising, in combination, a valve casing having a first and a second compartment separated by a partition, said partition having a bore passing therethrough and constituting a valve opening from one of said compartments to the other, said bore also extending longitudinally into the casing upon opposite sides of the partition and forming a first bore portion on the first compartment side of the partition and a second bore portion on the second compartment side of the partition, a slidable valve piston reciprocally mounted in the first bore portion and extending across the first compartment into the bore of the partition to regulate the flow of fluid from one compartment to the other, a second piston slidably mounted in the second bore portion, spring means for biasing the slidable valve piston toward its closed position into the bore of the partition against the second piston, said first compartment having an extended portion located at a spaced distance from the second piston, said casing having a longitudinal opening extending from the second bore portion to the extended portion of the first compartment, a pressure responsive plunger slidably mounted in the longitudinal opening for actuating the second piston which in turn moves the slidable valve piston towards its open position against the spring means, said plunger having one end extending in the second bore portion for engaging the second piston and having its other end subject to the fluid pressure in the extended portion of the first compartment, and a check valve for admitting the flow of fluid from the second compartment to the first compartment.

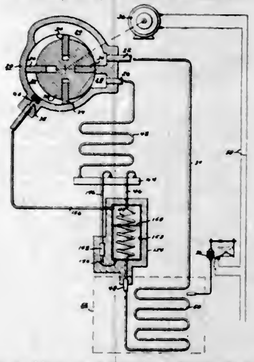
2,272,092
CUP RACK
Louis Maslow, Brooklyn, N. Y.
Application May 7, 1940, Serial No. 333,740
3 Claims. (Cl. 141—11)

1. In an article holding receptacle, groups of rods arranged in superposed spaced relation, the rods of each group being disposed crosswise of each other, and a tie member extending between rods in one group to rods in the other group, the



rods in said one group extending through said tie member which has suitable holes therein for that purpose, and said tie member having portions bent around the rods respectively in said other group to fasten the same thereto.

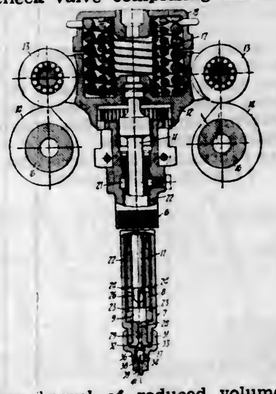
2,272,093
REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1939, Serial No. 301,010
2 Claims. (Cl. 62—115)



1. Refrigerating apparatus including a multiple effect compressor having a low pressure suction inlet and a high pressure suction inlet for compressing low and high pressure suction gas in a single stage in the same compression chamber, a condensing means for the compressed gas, a first evaporating means having its outlet connected to said low pressure suction inlet and its inlet connected to a refrigerant control device for controlling the flow of refrigerant into said first evaporating means, closed fluid conduit means communicating with the condensing means and with said device for conducting refrigerant from said condensing means to said device, a second evaporating means for evaporating liquid refrigerant in direct contact with the closed fluid conduit means containing the condensed liquid refrigerant flowing from said condensing means to said control device, the outlet of said second evaporating means being connected to said high pressure inlet, the inlet of said second evaporating means being provided with a refrigerant control device connected to said condensing means.

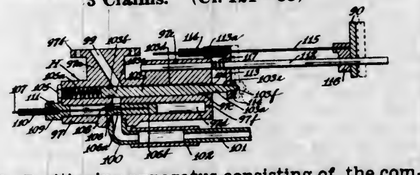
2,272,094
FUEL INJECTOR
Moyes J. Murphy, Milwaukee, Wis., assignor to Murphy Diesel Company, a corporation of Delaware
Application May 10, 1937, Serial No. 141,674
5 Claims. (Cl. 299—107.2)

1. In a fuel injector having a pump barrel and a plunger working in said barrel, a spray nozzle having a discharge orifice of constant area, a check valve controlling the passage of fuel from said barrel to said nozzle, and closing means for said valve, means promoting a chattering action of said check valve comprising an outlet from



said pump barrel of reduced volume and the check valve and its closing means being of small mass to reduce their inertia, and means for maintaining substantially undamped the surges traveling from the check valve to the nozzle.

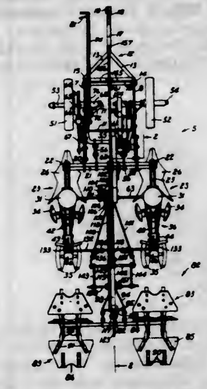
2,272,095
SERVOMOTOR AND CONTROL APPARATUS THEREFOR
Herbert J. Nathan, Bismarck, N. Dak.
Application July 28, 1938, Serial No. 221,817
3 Claims. (Cl. 121—38)



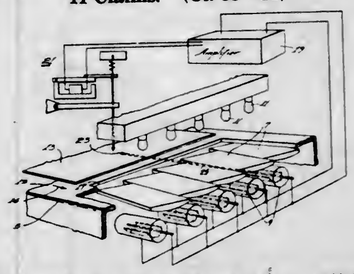
1. Positioning apparatus consisting of, the combination of a pneumatic device having a shiftable element carrying a control member, said shiftable element being associated with a chamber so as to be deflected in one direction responsive to vacuum produced in said chamber, resilient means yieldably urging said shiftable element in the opposite direction, valve means for controlling communication between said chamber and a source of vacuum, resilient means for yieldably holding said valve open relative to said communication, a shiftable operating member for said valve having an abutment element carried thereby, and an abutment member carried by said control member and aligned with said abutment element for engaging the same to cause closure of said valve relative to said communication at a pre-determined point in movement of said shiftable element in said one direction so as to halt said movement at said point, and said valve being arranged to connect said chamber to the atmosphere when in a closed position relative to said communication between said chamber and a source of vacuum.

2,272,096
DAM FORMING DEVICE
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 1, 1940, Serial No. 327,218
14 Claims. (Cl. 97—55)

1. A damming attachment for a soil tilling implement having a wheel supported frame carrying a furrow opener and a pivoted hitch member, said attachment including means serving as a frame connected with the implement frame, a scraper blade assembly rotatably mounted on said attachment frame means and including a plurality of scraper blades, mechanism including a member pivotally mounted on said attachment frame means for releasably holding one of said scraper blades at a time in operative position, and means connected with the hitch member and with said attachment frame for applying yielding pressure to said scraper blade assemblies to hold them down in ground engaging position.



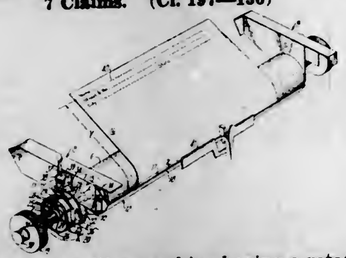
2,272,097
LENS ASSEMBLY FOR STRAIGHT LINE SCANNING
Clyde E. Smith, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,476
11 Claims. (Cl. 88—14)



1. For use in the inspecting of an article, the combination comprising means for projecting radiation on said article, radiation responsive means having spaced areas of high sensitivity and intermediate areas of less sensitivity, means including a plurality of lenses for projecting the resultant radiation emitted by said article on said areas of high sensitivity, and means for effecting relative movement in a fixed direction of said article and said lenses, said lenses being so positioned with respect to said fixed direction that each of said lenses directs said radiation onto a corresponding area of high sensitivity and so arranged that a point in the surface of said article the trace of which passes over the region between at least two of said lenses as a result

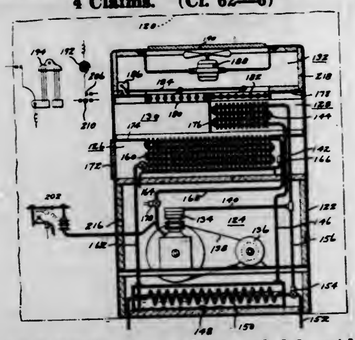
of said relative movement, projects resultant radiation first on one of said two lenses and then on the other.

2,272,098
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 27, 1939, Serial No. 311,106
7 Claims. (Cl. 197—136)



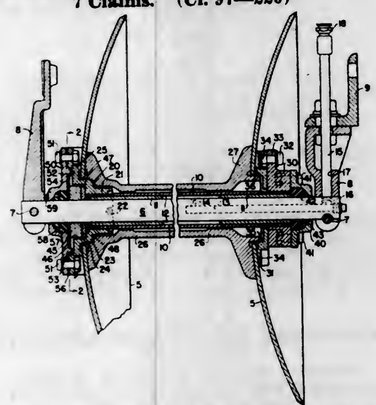
7. In a typewriting machine having a rotatable platen with card-positioning means thereon and a line-space mechanism including a toothed wheel normally rotatable with the platen; a stop arranged to rotate in fixed relation with said toothed wheel and adapted to cooperate with a counterstop to limit the extent of platen rotation, and releasable means operatively connecting said toothed wheel and said stop with said platen to enable the relation of said card-positioning means with said toothed wheel and said stop to be rotatively varied to any degree.

2,272,099
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 29, 1936, Serial No. 66,460
4 Claims. (Cl. 62—6)



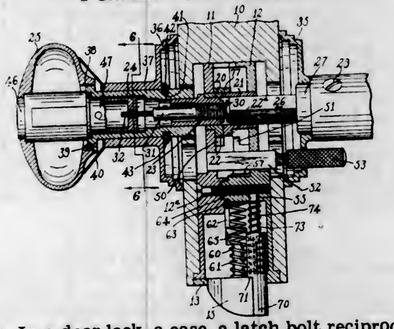
4. In a system for cooling and dehumidifying air for an enclosure, the combination of an evaporator, condenser means, means for translating refrigerant from said evaporator to said condenser means, means for conveying air for said enclosure in heat exchange relation with the evaporator, whereby its dew point temperature is decreased, means for conveying air thus treated in heat exchange relation with said condenser means, whereby the dry bulb temperature of the air is increased and the condenser means is cooled, means for circulating extraneous medium for cooling the condenser means, means for varying the flow of said extraneous medium in accordance with condensing requirements, and means responsive to the temperature conditions of the air controlling the passage of air over said condenser means.

2,272,100
DISK GANG ASSEMBLY
Thomas M. Thomas, Huntington Park, Edwin F. Wadelton, Los Angeles, and Oscar W. Sjogren, Huntington Park, Calif., assignors to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application February 5, 1941, Serial No. 377,466
7 Claims. (Cl. 97—220)



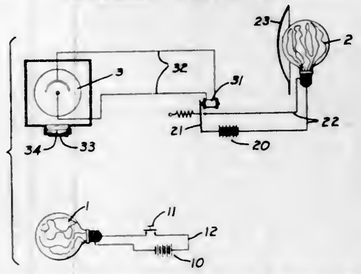
1. A disk gang comprising in combination, a gang frame, an axle, bracket means at each end of said axle for rigidly supporting the latter on said frame, a tube enclosing said axle and journaled thereon, a plurality of ground working disks fixed on said tube, a thrust collar rigidly fixed to said axle, means on said tube bearing on one side of said collar to transmit the thrust force of said disks against the latter, and means fixed to said tube and bearing against the opposite side of said collar to resist axial movement of said tube in the opposite direction.

2,272,101
DOOR LOCK
Henry G. Voight, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application July 12, 1940, Serial No. 345,109
4 Claims. (Cl. 70—151)



1. In a door lock, a case, a latch bolt reciprocably mounted in the case, a bifurcated yoke connected to said bolt, said yoke having lugs at a rear portion thereof and shoulders spaced from said lugs, a dogging member pivotally mounted in the case and adapted to engage said bolt to dog the same against retraction when the door is closed, an auxiliary yoke mounted on said bolt yoke between said lugs and shoulders, and having portions abutting said lugs, and knob-operated rollbacks in the case adapted to engage said last-named portions to move said auxiliary yoke and said bolt yoke rearwardly to retract the bolt, and said auxiliary yoke having a part engaging said dogging member to move the latter to inoperative position.

2,272,102
ILLUMINATION SYSTEM AND METHOD FOR PHOTOGRAPHY
Benjamin H. Wildman, Seattle, Wash.
Application August 12, 1939, Serial No. 289,811
14 Claims. (Cl. 67—31)



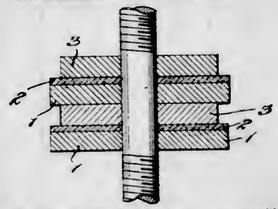
1. A system for photographing large audiences and other scenes by artificial light, said system comprising a master unit including a wave transmitter and control means operable at will to effect energization of said wave transmitter. and at least one slave unit including a light source of the flash type disposed to illuminate the scene and control means therefor physically unconnected with the control means of the master unit, said slave unit control means incorporating a receiver responsive to radiations from the master unit wave transmitter to be energized by the transmitter's wave and operable when energized to effect energization of said flash light source for instantaneous illumination of the scene.

2,272,103
ELEVATOR CANVAS
Thomas Williams, Emigrant, Mont.
Application November 30, 1940, Serial No. 368,051
1 Claim. (Cl. 198—199)



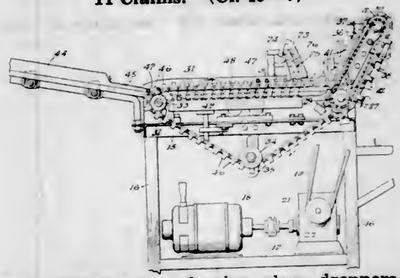
An elevator canvas comprising a flexible belt, said belt being folded transversely on itself at longitudinally spaced points and stitched for providing integral, tubular pockets, said pockets being open at one end and closed at their other ends, rods removably mounted in the pockets, said rods having circumferential grooves therein, and flexible ties positioned directly in the grooves at the bottom of the pockets and extending outwardly of the pockets transversely across the top thereof for gathering and engaging the material of said pockets in the grooves for removably securing the rods in said pockets.

2,272,104
ELECTRIC RECTIFIER
Ferdinando Zaccheo and Victor Willson, Rome, Italy
Application June 29, 1940, Serial No. 343,304
In Great Britain October 13, 1939
3 Claims. (Cl. 175—366)



1. A static dry rectifier for converting alternating electric current into direct current comprising an electrode consisting of a plate made of nickel; an active or rectifying layer coating one side of the electrode which layer consists of selenium oxide; a counter-electrode consisting of a layer of zinc superposed on said rectifying layer.

2,272,105
MANUFACTURING DROPPER
Charles G. Anastor, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application August 3, 1940, Serial No. 351,005
11 Claims. (Cl. 49—7)

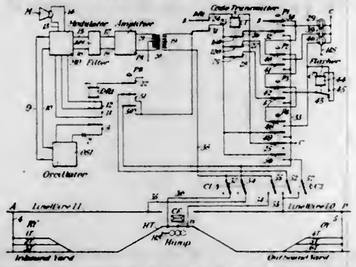


1. A machine for shaping glass droppers to form thereon offset discharge ends comprising heating means for softening a portion of a tubular blank intermediate the ends thereof, means for drawing the softened portion of the blank to reduce the diameter of the middle thereof, and means for engaging the softened reduced portion of the blank to effect relative movement of said reduced portion transversely with respect to the ends of the blank to form a V-shaped blank.

2,272,106
TRANSMITTING APPARATUS FOR TRAIN COMMUNICATION SYSTEMS
Philip P. Ash, Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 13, 1941, Serial No. 374,267
9 Claims. (Cl. 246—8)

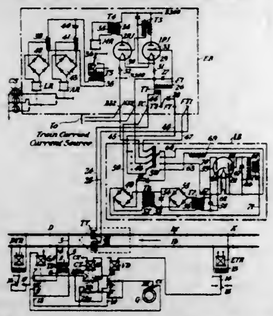
1. In apparatus for a train communication system, the combination comprising, transmitting apparatus capable of producing a carrier tele-

phone current or a signaling current equivalent to said carrier modulated by a given voice frequency, a first manually operable switching means having a first position to condition the transmitting apparatus to produce said carrier signaling current and a second position to condition the transmitting apparatus to produce said telephone current, an output circuit coupled to the transmitting apparatus to receive such currents and provided with three different circuit



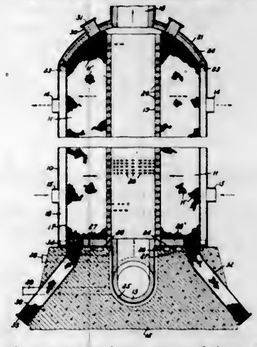
paths, a code transmitter having a contact member included in a first one of said circuit paths, a second manually operable switching means having a first position for closing said first one of said circuit paths and a second position for closing a second one of said circuit paths, a second position contact of said first switching means for closing the third one of said circuit paths, and a transmitting circuit extending along a stretch of track and connected to said output circuit.

2,272,107
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul N. Bossart, Cheswick, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 13, 1941, Serial No. 374,268
14 Claims. (Cl. 246—63)



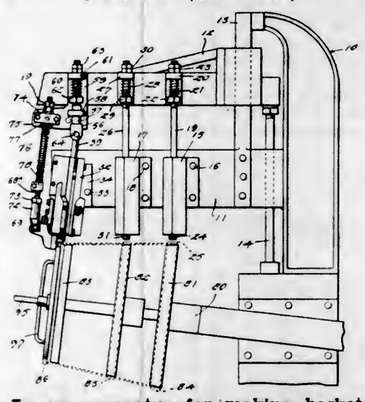
1. In railway traffic controlling apparatus for use with train carred amplifying and decoding means responsive to coded alternating current of a preselected relatively high frequency and which current is received through inductors mounted on the train in inductive relation to the track rails, the combination comprising, means to supply to the rails of a track section coded alternating current of a preselected relatively low frequency, and a frequency converting means interposed in the connection between said inductors and said amplifying and decoding means to convert said coded low frequency alternating current into coded alternating current of said preselected relatively high frequency.

2,272,108
REGENERATIVE STOVE
Linn Bradley, Montclair, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,706
19 Claims. (Cl. 263—19)



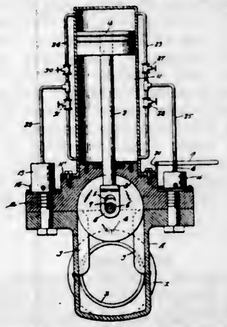
1. A heat regenerator comprising an annular, vertically disposed bed of promiscuously deposited refractory heat conducting bodies, concentric walls supporting said bed and means for alternately passing heating gas and gas to be heated in opposite directions through said bed, comprising a substantially cylindrical perforated wall portion permitting radial movement of gas into and out of said bed.

2,272,109
BASKET MAKING APPARATUS
Edwin P. Brown, Murfreesboro, N. C., assignor to Riverside Manufacturing Co. Inc., Murfreesboro, N. C.
Application April 4, 1941, Serial No. 386,901
3 Claims. (Cl. 1—13.6)



1. In an apparatus for making baskets, an anvil structure for clinching the staples employed for connecting the outer hoop, the internal hoop and the body of a basket together, said structure comprising an axially apertured circular body having a cutout in its outer edge to form a clearance for the overlapping ends of the internal hoop, a spider secured centrally of the outer face of and having a bore registering with the aperture of said body, and an outwardly directed bale secured to said hub and diametrically opposed arms of the spider.

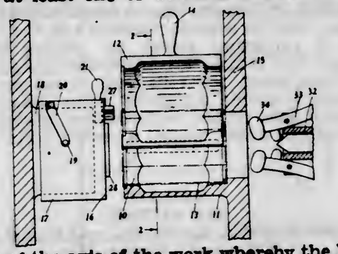
2,272,110
HYDRAULIC VALVE
James W. Childress, Columbia, Tenn.
Application July 17, 1940, Serial No. 346,050
1 Claim. (Cl. 60—52)



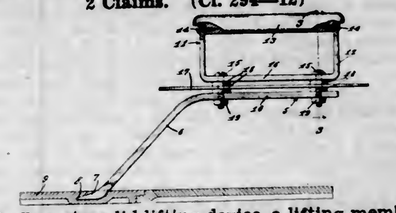
In a device of the class described, a supporting member having a centrally arranged circular part on its top, an annular seat forming part surrounding the circular part and arranged in a lower plane than the top of the circular part and a wide part surrounding the seat forming part and arranged in a lower plane than the seat forming part, a cylinder having its lower end open with the circular part fitting in said lower end, an outwardly extending flange at the lower end of the cylinder fastened to the seat forming part, a piston in the cylinder, a rod connected with the piston and passing through one end of the cylinder, a pair of vertically arranged pipes paralleling the cylinder and having their ends bent and connected with upper and lower portions of the cylinder, a pair of valves in each pipe and spaced apart, a third pipe connected with one of the other pipes between the valves in said pipe, a fourth pipe connected with the other one of said pair of pipes between the valves of such pipe, a fluid tank supported on a portion of the wide part of the supporting member and to which the fourth pipe leads, a pump supported on another portion of the wide part of the supporting member and to the outlet of which the third pipe is connected, a conduit connecting the inlet of the pump with the tank and containing a check valve opening toward the pump, a hand lever for actuating the pump piston, and a bracket to which the hand lever is pivoted connected with the flange of the cylinder.

2,272,111
MACHINE OR APPARATUS FOR SHAPING METAL TUBES, CONTAINERS, AND THE LIKE
John Arthur Dove, Sutton-in-Ashfield, England, assignor to Barringer, Wallis & Manners, Limited, Rock Valley, Mansfield, England
Application April 21, 1939, Serial No. 269,275
In Great Britain April 25, 1938
3 Claims. (Cl. 113—52)

1. In an apparatus for shaping thin metal tubes or containers of the kind wherein a rotatable expanding tool is introduced axially within the work to operate on the walls thereof to cause them to assume the conformation of a die, work supporting means comprising a pair of supporting members disposed to engage the end portions of the work to support the same, one of said members being provided with an axial hole for the entry of the expanding tool and at least one of said members being axially movable; means for moving said movable member into and out of engagement with the work; a die disposed between said supporting members arranged to circumferentially surround the work, which die is longitudinally divided into a plurality of elements, at least one of which is movable transversely of the axis of the work whereby the latter may be laterally introduced into and withdrawn from the die, and which die is also divided transversely with one portion thereof mounted for limited axial movement relative to the other; and means for retaining said die elements in operative work surrounding position.

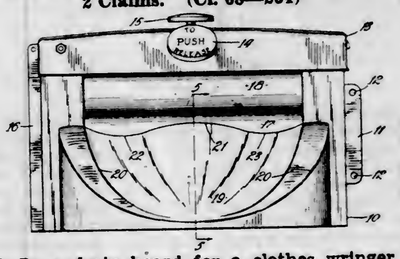


2,272,112
STOVE LID LIFTER
William A. Edington, Shreveport, La.
Application December 16, 1940, Serial No. 370,405
2 Claims. (Cl. 294—12)



1. In a stove lid lifting device, a lifting member having an elongated straight portion at one end and a lid lifting projection at the opposite end, an open rectangular shaped handle having an elongated straight inner portion approximately parallel with the straight portion of the lifting member, a plate of heat insulating material disposed between the handle and the straight portion of the lifting member, a plurality of fastening elements extended through the said parallel portions and the plate and rigidly connecting the same, and means for retaining the plate in spaced relation relative to the said handle and lifing member.

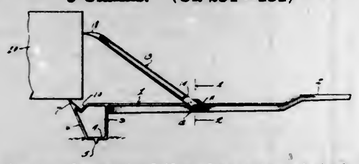
2,272,113
DRAINBOARD FOR CLOTHES WRINGERS
Nicholas L. Etten, Waterloo, Iowa
Application July 4, 1939, Serial No. 282,823
2 Claims. (Cl. 68—264)



1. In a drain board for a clothes wringer, a

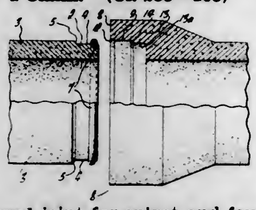
clothes spreading surface comprising an upwardly bowed central section of convex configuration with its highest point adjacent the center point of the rolls and lower points adjacent the end portions of the rolls and on opposite sides of the high center portion, said bowed central section extending outwardly from a point adjacent the wringer rolls to a point remote from the rolls to exert a spreading action on clothes passing through the wringer a considerable distance before they reach the rolls, and raised marginal portions to define a pair of drain channels on opposite sides of the high central portion and direct drain water toward a center drain channel.

2,272,114
TIE NIPPER
Wade E. Haist, Aurora, Ill., and Pernal F. Thomas, La Crosse, Wis.
Application January 16, 1941, Serial No. 374,782
5 Claims. (Cl. 254—131)



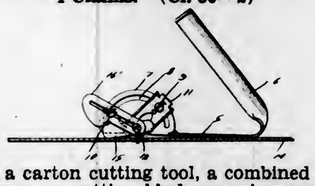
1. An implement of the character stated, comprising a handle bar, said bar having a portion at one end offset from its longitudinal center to provide a handle, means integral with the bar at its other end and extending from the longitudinal center in the opposite direction from the direction of offset for the handle, providing a fulcrum foot, said fulcrum foot having a sole surface extending lengthwise of the bar, an obliquely directed jaw extending from the end of the bar adjacent the fulcrum foot and away from the foot, a bracing arm pivotally coupled with the bar rearwardly from said foot and having a jaw at its free end, said jaw being slightly arcuately curved and being movable toward the first jaw for cooperative action therewith, and a spur extending across the sole of said foot.

2,272,115
RUBBER RING PIPE JOINT
Charles Cyril Halkyard, Melbourne, Victoria, Australia, assignor to Hume Pipe Company (Australia) Limited, Melbourne, Victoria, Australia
Application October 1, 1940, Serial No. 359,277
1 Claim. (Cl. 285—163)



An improved joint for spigot and faucet ended pipes, comprising a pipe having a spigot portion of reduced external diameter, a shoulder or abutment face being formed at the junction of said spigot portion with the main body of the pipe, said spigot portion being provided externally near its outer extremity with a circumferential recess that extends in a plane that is normal to the axis of the pipe, a rubber or like sealing ring of circular cross section capable of being sprung into said recess, and a pipe having a faucet portion for fitting around said spigot portion so as to provide in association with said faucet an annular space within which said rubber ring in a compressed condition is rolled along the spigot towards said abutment face, the cross sectional diameter of said ring and the distance between said circumferential recess in the spigot portion and said abutment face being so coordinated that in operatively assembling the spigot within the faucet, said rubber ring comes to rest against said abutment face after the ring has been rolled along the spigot for more than one half of a revolution but for less than one complete revolution whereby any tendency of the ring to assume its original form will move the ring against the abutment.

2,272,116
PAPER CARTON CUTTER
Harry Hanson, Menomonie, Wis.
Application February 6, 1941, Serial No. 377,723
4 Claims. (Cl. 30—2)



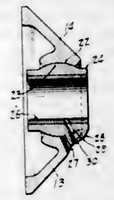
1. In a carton cutting tool, a combined handle and runner, a cutting blade carrying means secured to said combined handle and runner, a blade adjustably mounted on said means, a gauge element adjustably mounted on said means and associated with the blade for regulating the depth of cut that may be made by said blade, and a guard element adjustably mounted on said means and having operative and inoperative positions.

2,272,117
RETOUCHING SOLUTION
Carl A. Hasslacher, Scarsdale, N. Y., and Henry W. Rimbach, East Orange, N. J., assignors to Technico, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 11, 1940, Serial No. 339,978
3 Claims. (Cl. 41—27)

1. In a method of treating a photograph having an emulsion layer carrying a photographic image and a supporting layer of transparent cellulosic material, the improvement for coloring said photograph by staining said supporting layer without staining said emulsion layer which comprises applying to the surface of said supporting layer a solution of a dye of desired color in a solvent comprising an aqueous solution of acetic acid and a sulfonation product wetting agent.

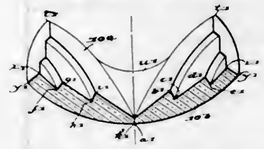
2,272,118
SELF-ALIGNING BEARING
Philip J. Imse and Regis A. Seidenstricker, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 6, 1939, Serial No. 277,699
1 Claim. (Cl. 308—72)

In a vertical-walled settling tank for receiving a flowing stream of sewage or the like, a bearing arranged to lie flat against a side wall of the tank and having an outer surface which is frusto-conical and slopes at an angle of approximately forty-five degrees from the bearing axis, whereby putrescible matter carried by said



stream may be shed from said bearing, and a rotatable horizontal shaft journalled in said bearing for operating mechanism in said tank.

2,272,119
LENS AND THE MANUFACTURE THEREOF
Georg Jaeckel, Berlin-Lichterfelde, Germany, assignor to the firm Sendlinger Optische Glaswerke G. m. b. H., Berlin-Zehlendorf, Germany
Original application September 8, 1939, Serial No. 294,031, now Patent No. 2,246,098, dated June 17, 1941. Divided and this application September 8, 1939, Serial No. 294,032. In Germany March 20, 1936
5 Claims. (Cl. 49—79)



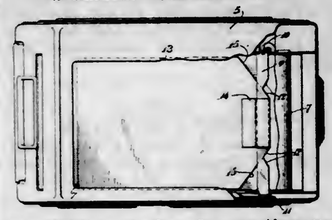
1. A method of forming a concavo-convex lens with step surfaces on the concave side of the lens descending towards the center of the lens and step-connecting surfaces all converging towards at least one point spaced from the concave side of the lens, comprising molding a body in concavo-convex form in two symmetrical parts centrally joined with the step surfaces descending towards the outside of the body, dividing the body centrally, and connecting the outer parts of the body together to form the lens.

2,272,120
HOLDER FOR YARN PACKAGES
Frank B. Javery and Raymond C. Longvall, Worcester, Mass., assignors to Warp Compressing Machine Company, Worcester, Mass., a corporation of Massachusetts
Application August 18, 1939, Serial No. 290,880
4 Claims. (Cl. 242—130)



1. A holder for yarn packages comprising a spindle and an adapter pivotally mounted thereon about an axis extending transversely of the spindle for movement into different positions, said spindle being adapted to receive and support a yarn package wound on a carrier of a given diameter in one position of said adapter, and being adapted to support a yarn package wound on a carrier of a different diameter from the first-named carrier, in another position of said adapter, with respect to its pivotal axis.

2,272,121
CARBON HOLDER FOR MANIFOLDING MACHINES
Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application April 15, 1940, Serial No. 329,791
2 Claims. (Cl. 282—3)

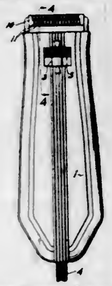


1. A manifolding device, for continuous-form stationery strips provided with transverse pairs of register perforations, comprising: a thin resilient blade, adapted to be interleaved between the stationery strips, and having a pair of rearwardly presented V-shaped notches in alignment with the register perforations in the stationery; and a duplicating slip extending forwardly in interleaved relation with the stationery and having a narrowed rear end portion folded over said blade between said notches to anchor the slip against advancement with the stationery.

2,272,122
PROCESS FOR PRODUCING HEXAHYDROPSEUDOIONONE
John Lee, Nutley, N. J.
No Drawing. Application October 5, 1940, Serial No. 359,977
6 Claims. (Cl. 260—593)

1. Process for the manufacture of hexahydropseudoionone which comprises hydrogenating pseudoionone in the presence of a noble metal hydrogenation catalyst at a temperature of at least 50° C. and at a pressure substantially above atmospheric.

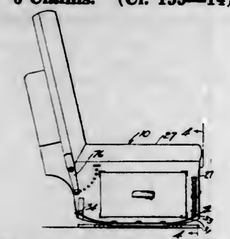
2,272,123
SHAVING DEVICE
Edmund J. Te Pas, Euclid, Ohio, and Emil G. Berg, Erie, Pa., assignors, by direct and mesne assignments, of nineteen-twentieths to said Berg and one-twentieth to said Te Pas; Coletta A. Te Pas administratrix of said Edmund J. Te Pas, deceased
Application May 14, 1935, Serial No. 21,418
27 Claims. (Cl. 30—43)



1. A device of the type described comprising, a hollow outer guard member with transversely extending slots defining a plurality of closely spaced, widthwise extending cutter bars, a cut-

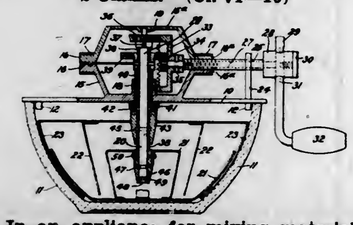
ter member movably mounted inside said guard having transversely extending cutting elements contacting and cooperating with a portion only of each and every one of said cutter bars, portions of said cutter member adjacent to said cutting elements being spaced inwardly away from the inner surface of said guard member so as to define two longitudinally extending passageways, one at each side of the contacting portions of said cutter bars and said cutter elements, and means for translating said cutter member.

2,272,124
SEAT STRUCTURE
William H. Lingle, Flint, Mich.
Application February 9, 1939, Serial No. 255,520
6 Claims. (Cl. 155—14)



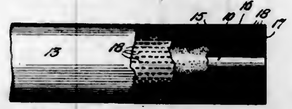
6. In a seat structure for use in connection with vehicles, a pair of spaced parallel horizontally disposed stationary channel-shaped guides formed with openings, a slide bar slidably mounted on and being provided with rollers travelling in said guides, a bodily horizontally adjustable base for supporting a seat member, a pair of horizontally disposed resilient bow-shaped elements one on each side of the base, arranged over and being fixedly secured intermediate their ends to said bar, said elements slidably engaging at their rear with the rear of said base, a vertically movable spring controlled coupling structure within and suspended by the base and having the lower end thereof pivotally connected to the forward ends of said element, a supporting means bodily moving with said bar and element, and a latching structure carried by said supporting means and correlating with selected openings in said guides for releasably securing said base in its horizontally adjusted position, the said coupling structure including equalizing means therefor.

2,272,125
APPLIANCE FOR MIXING MATERIALS
Arthur Stanley Loone, Concord, New South Wales, Australia
Application September 29, 1939, Serial No. 297,027
In Australia January 14, 1939
2 Claims. (Cl. 74—16)



1. In an appliance for mixing materials, removable actuating means comprising a frame adapted to be removably seated on the top of a container, a sectional casing mounted on said frame, a tubular boss positioned centrally in the lower section of and extending into said casing, a sleeve bearing threaded through and secured in said boss, a rotatable sleeve shaft journalled in said sleeve bearing and extending below said frame, a rotatable drive shaft journalled in and extending below said sleeve shaft, means housed within the casing for rotating said sleeve shaft and said drive shaft simultaneously, a hub journalled on the lower end of and having a driving connection with said sleeve shaft, an annular groove on said sleeve shaft registering with an annular groove in the inner wall of said hub, a spring grip ring housed in said grooves to maintain said hub in position on said sleeve shaft and permitting said hub to be forcibly slid off said sleeve shaft, a hub journalled on the lower end of and having a driving connection with said drive shaft, an annular groove on said drive shaft registering with an annular groove in the inner wall of said second hub, a spring grip ring housed in said grooves to maintain said second hub in position on said drive shaft and permitting said second hub to be forcibly slid off said drive shaft.

2,272,126
PENCIL
Kay Miller, New Brunswick, and Howard P. Smith, Leonia, N. J., assignors to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application July 18, 1940, Serial No. 346,136
2 Claims. (Cl. 120—83)



1. As an article of manufacture, an implement comprising an elongated consumable core and a sheath enclosing the core consisting of flexible sheet material wound around the core and a layer of adhesive between the convolutions of sheet material holding them inseparably together, said sheet material being characterized by the fact that it is composed of paper a portion at least of which has its surfaces substantially-regularly indented.

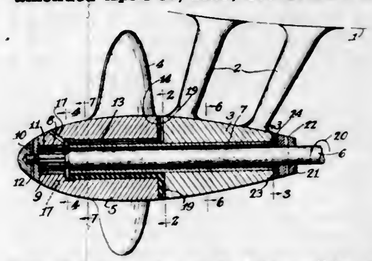
2,272,127
ILLUMINATED SIGN
Edward C. Noel, Los Angeles, Calif.
Application January 9, 1941, Serial No. 373,843
8 Claims. (Cl. 176—14)



1. An electric display sign for use with a sealed, transparent container containing a charge of an inert gas at a reduced pressure and having electrodes adjacent the ends thereof to produce an ultra-violet discharge therebetween when the electrodes are energized, comprising a cut-out object, forming suitable characters, disposed within the container and provided on its forward side with a coating of fluorescent material to be illuminated by the discharge, supporting members disposed between the ends of the cut-out object and the electrodes and forming partitions dividing the intermediate portion from the end

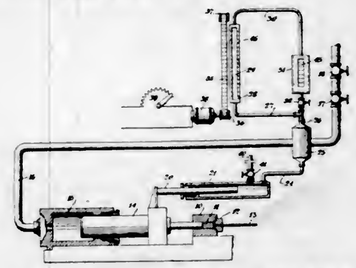
portions of the tube, said cut-out object having extending tabs at its ends engaging the supporting members, and said supporting members having alined openings for the passage of the discharge arranged to cause the discharge to pass in front of and adjacent the fluorescent material.

2,272,128
MARINE PROPELLER
Alan Osbourne, Brooklyn, N. Y.
Application November 28, 1940, Serial No. 367,590
8 Claims. (Cl. 308—121)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



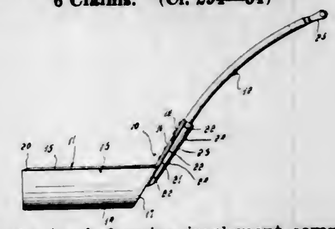
1. In combination in a submersible marine propulsion assembly, a stationary supporting bracket carrying a stationary cylindrical metallic sleeve interiorly thereof, a full floating propeller shaft extending through said sleeve in spaced relation thereto, a propeller and hub in driven engagement with said shaft and carried by said sleeve, and a water-lubricated non-metallic bearing carried by said hub and disposed between said hub and said sleeve, and between said hub and said bracket, and a second water-lubricated non-metallic bearing carried by a member carried by said shaft and disposed between said member and said bracket.

2,272,129
SPEED INDICATING MECHANISM
Roy Dalliba Palmer, Montreal, Quebec, Canada, assignor to Aluminum Laboratories Limited, Montreal, Quebec, Canada, a corporation of Canada
Application June 3, 1940, Serial No. 338,513
9 Claims. (Cl. 73—151)



1. The combination with an apparatus having a moving part; of a vessel adapted to receive liquid and exhibit visually the movement of the liquid therein, means actuated in harmony with the movement of said part to deliver liquid to said vessel at a rate correlated with the speed of said part, visual comparison-speed indicating means observable simultaneously with the liquid-receiving vessel, and means to cause the movement of the liquid and the movement of the comparison speed indicating means to be matched for the purpose described.

2,272,130
TRACK FORMING SHOVEL
John Pauly, Springfield, Mass.
Application May 1, 1941, Serial No. 391,403
6 Claims. (Cl. 294—54)



1. A tire track forming implement comprising a shovel blade having an intermediate depressed portion which extends from the front end to the rear end of the blade, flanges projecting outwardly from the side edges of said depressed portion, and said blade also including an upwardly projecting rear wall, said rear wall including portions projecting upwardly from the rear ends of said flanges, and a portion for closing the rear end of said depressed portion.

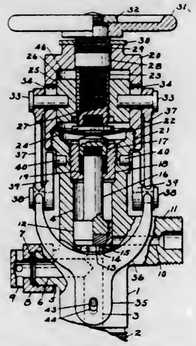
2,272,131
NUCLEAR KETONES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME
Leopold Ruzicka, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application July 12, 1938, Serial No. 218,877. In Switzerland July 22, 1937
18 Claims. (Cl. 260—397.4)

1. A process for the manufacture of nuclear ketones of the cyclopentanopolyhydrophenanthrene series, comprising treating compounds of this series containing a free secondary hydroxyl group in one of the positions 3 and 17 and a multiple carbon-carbon linkage, in which the carbon atom β with respect to the nucleus participates, in a side chain in the other one of the positions 3 and 17, with an agent selected from the group consisting of oxidizing and dehydrogenating agents capable of transforming secondary carbinol groups into keto groups.

2,272,132
VALVE
George Schaaf, Buffalo, N. Y.
Application July 1, 1940, Serial No. 343,381
10 Claims. (Cl. 251—26)

1. In a device of the character described, comprising a valve body having a discharge passage, a valve seat within a valve chamber, a valve in said chamber for said valve seat and having a stem, a spring to raise said valve from its seat, a diaphragm in contact with said valve stem, a bonnet sealing said diaphragm in said body and having a chamber, a reciprocating crosshead guided in said bonnet chamber, an operating stem movable in line with said valve stem to close said valve on its seat and located on the opposite side of said diaphragm from said valve stem, said operating stem carried by said crosshead, means fastened into said crosshead and extending

through said bonnet to travel with and hold said crosshead in a fixed position when said operating



stem is holding said valve closed on its seat, means to lock said crosshead in said fixed position and means to lock said operating stem.

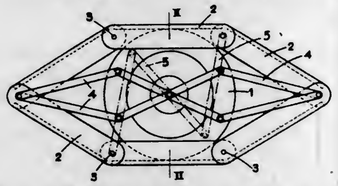
2,272,133
METALLO ORGANO DERIVATIVE
Sol Shappirio, Washington, D. C.
No Drawing. Application October 24, 1938, Serial No. 236,785
6 Claims. (Cl. 252—49)

1. A lubricating oil of hydrocarbon type containing a metal compound of an organic compound containing an unsaturated aliphatic radicle in which the metal is joined directly to carbon.

2,272,134
MODIFIED MOTOR FUEL AND PROCESS OF MAKING SAME
Sol Shappirio, Washington, D. C.
No Drawing. Application March 13, 1940, Serial No. 323,840
8 Claims. (Cl. 44—9)

1. A liquid hydrocarbon motor fuel containing a minor proportion of a metallo organo diazo compound.

2,272,135
SELF-LAYING TRACK FOR VEHICLES
Otto Singer, Winchmore Hill, Loudon, England
Application December 5, 1940, Serial No. 368,705
In Great Britain November 25, 1939
8 Claims. (Cl. 305—13)



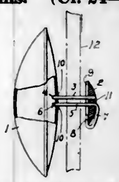
1. In a self-laying track for vehicles, an even number of track elements of substantially equal length pivotally connected together by pivots end to end to form a continuous track, a vehicle wheel unit comprising journal means and mounted to travel on said track, and a mechanical collapsible linkage element adapted to maintain colinearity of at least three of its points, said linkage element being pivotally connected at one of said colinear points to said journal means and at two other of its colinear points to diametrically opposed pivots connecting adjacent track elements.

2,272,136
ELECTRIC HEATER
Elmore Stanley Smith, Weston, Ontario, Canada, assignor to Moffats Limited, Weston, Ontario, Canada
Application May 23, 1938, Serial No. 209,438
In Canada June 30, 1937
2 Claims. (Cl. 201—64)



1. A method of forming a sheathed electrical heating element which consists in forming a U-shaped channel of an integral sheet of metal with substantially parallel side walls having their margins extending outwardly from said side walls and away from one another; inserting a resistance wire in said channel and embedding it in insulating material, the said material extending only part way up the side walls of the channel; bending in the upper parts of the side walls of the channel towards one another to close the channel over said insulating material and bring the aforesaid margins into parallel engaging relationship extending substantially at right angles to said bent-in upper parts of the side walls; supporting the inner sides of the lower side walls to hold the same in position during the bending in of the upper side walls; and welding said margins together to form an upstanding rib intermediate of the side walls.

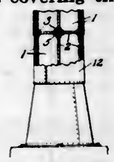
2,272,137
HOLLOW UNIFORM-TYPE BUTTON
Henry A. Smitt, Panama, C. Z.
Application February 3, 1941, Serial No. 377,264
3 Claims. (Cl. 24—104)



3. A hollow button having a back provided with two pin-receiving holes, a head, two shanks mounted in the head and projecting from one face of the same, each shank having its projected end bent over at approximately right angles, said bent-over ends being constructed to pierce a garment and enter the pin-receiving holes of the button, and means by which said bent-over ends may be located to point in the same direction or in opposite directions at will, said means comprising the mounting of one shank in the head rigidly and the mounting of the other shank in the head rotatably, and providing the rotatable shank and head with latching elements to hold the shank in position to secure or release the button as desired, said latching elements comprising a groove in the head and a head-embracing resilient loop on the rotatable shank for cooperation with said groove.

2,272,138
CHIMNEY, DUCT, AND THE LIKE
Albert Victor Staniforth, Withernsea, England
Application August 12, 1941, Serial No. 406,562
In Great Britain February 2, 1940
11 Claims. (Cl. 72—94)

1. A chimney, duct or the like comprising an outer structure forming the chimney proper, a plurality of lining panels within said structure, cast iron cover bars covering the joints between



adjacent panels, clamps engaging said cover bars and means to secure said clamps to the aforesaid structure.

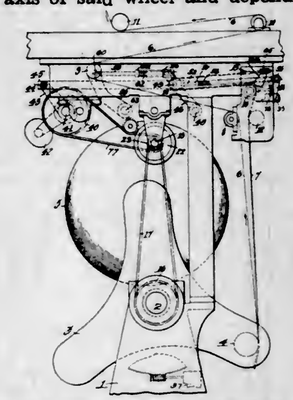
2,272,139
WRITING INSTRUMENT
Burton M. Tapner, North Scituate, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application October 17, 1940, Serial No. 361,505
7 Claims. (Cl. 120—9)



1. An illusion-creating device comprising concentric, transparent, tubular members positioned one within the other, means for holding the same in spaced relation and sealing the space therebetween providing a sealed chamber between said tubular members, the transparency of said members being such as to make the inner member imperceptible from a casual observation of the device, a material partially filling said space and capable of movement therein, and a mechanism housed within the inner tubular member and having movable elements thereon visible through said material.

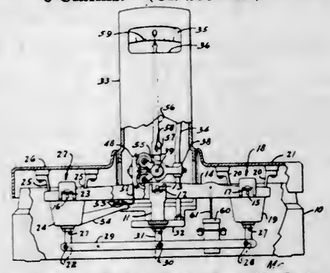
2,272,140
TENSION CONTROLLING MECHANISM
Paul L. Tollison, North Plainfield, N. J., and Charles S. Caffrey, Port Washington, N. Y., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application April 22, 1939, Serial No. 269,380
2 Claims. (Cl. 242—75)

1. The combination with means for supporting a web supply roll, means for feeding the web from said roll to a press, or the like, and tension belts for engaging the web on said roll, of a web tension weight, a magnetic clutch adapted to be clutched with respect to the weight when the magnet is energized, means cooperating with the clutch for turning it on its axis, a wheel adapted to turn with the weight when the clutch is in operative condition, said weight being connected to the axis of said wheel and depending at an



angle to the vertical and mechanical means for turning the wheel to vary the tension.

2,272,141
WEIGHING SCALES
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application August 25, 1939, Serial No. 291,841
6 Claims. (Cl. 265—58)

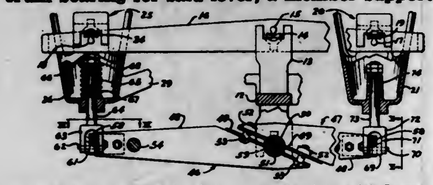


1. In a device of the class described, in combination, a rockingly mounted even-armed lever, a load receiver mounted on each end of said lever, an indicator assembly rockingly mounted independently of said lever to rock on an axis parallel to the rocking axis of said lever, a plurality of load counterbalancing springs, each of said springs having one of its ends secured to said indicator assembly and the other of its ends operatively connected to an end of said lever, said springs serving to counterbalance a load on one of said load receivers, means forming a slot connected to one of the ends of said lever and a pin secured to said indicator assembly for engaging said means forming such slot.

2,272,142
WEIGHING SCALES
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application August 29, 1939, Serial No. 292,437
11 Claims. (Cl. 265—54)

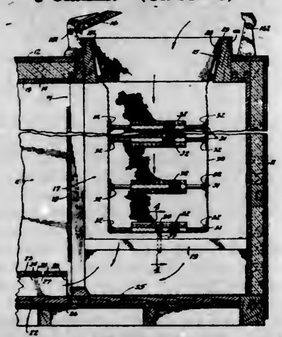
1. In a device of the class described, in combination, weighing mechanism including a lever, a plurality of spaced, edged pivots in said lever, a bracket, a fulcrum bearing in said bracket for

engaging one of said pivots in said lever, a check link, a plurality of spaced edged pivots in said check link, the longitudinal spacing of said pivots in said check link being the same as the longitudinal spacing of said pivots in said lever, said check link being assembled in said device with the edges of its pivots directed in opposition to the edges of said pivots in said lever, a fulcrum bearing for one of said pivots in said check link, said fulcrum bearing being positioned in a vertical plane passing through said fulcrum bearing for said lever, a member supported



upon each of said other pivots in said lever, a member adjustably secured to each of said members supported upon said pivots in said lever, a bearing in each of said adjustable members for engaging the other of said pivots in said check link, resilient means cooperating with one of said members supported upon said lever and said member adjustably secured thereto for imparting constant, opposed forces on all of said pivots in said lever and check link and said bearings engaging them, said resilient means comprising a helical spring and means for adjusting the tension of said spring.

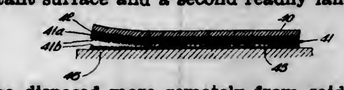
2,272,143
PORTABLE VENTILATION DUCT FOR REFRIGERATOR CARS
Horace M. Wigney, Bronxville, N. Y., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1940, Serial No. 320,292
6 Claims. (Cl. 98—6)



1. A portable ventilating duct for refrigerator cars comprising a collapsible duct, means to secure the upper end of said duct around a hatch opening in the roof of the car, and means on the lower end of the duct for connection with a part of the car adjacent the bottom thereof to secure said duct in distended condition within said car.

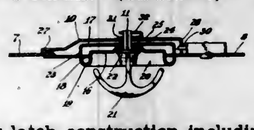
2,272,144
COVERING STRUCTURE
Frank M. Allen, Summit, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application August 1, 1940, Serial No. 349,073
20 Claims. (Cl. 154—49)

1. An integral covering structure of the character described which presents a decorative and wear-resistant surface and which comprises a unitary fibrous sheet underlying said decorative and wear-resistant surface, said unitary fibrous sheet containing binder material throughout the thickness thereof and comprising a strain-resistant zone adjacent said decorative and wear-resistant surface and a second readily laminatable



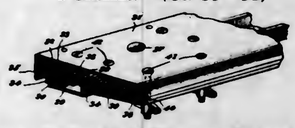
zone disposed more remotely from said decorative and wear-resistant surface than said strain-resistant zone, said strain-resistant zone containing binder material in greater proportion than in said second zone, which binder material in said strain-resistant zone imparts to said zone substantially greater laminating strength than the laminating strength of said second zone.

2,272,145
LATCH FOR ELECTRIC SWITCH CABINETS
William C. Anderson, Bromley, Ky., and Frank Harvey, Cincinnati, Ohio, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application April 1, 1939, Serial No. 265,412
2 Claims. (Cl. 292—7)



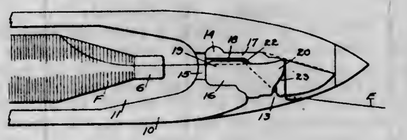
1. A door latch construction including a cup-shaped sheet metal member having a flange portion, a latch spindle member having a bearing in said cup-shaped metal member, another cup-shaped member on said spindle extension having a flange concentrically arranged relative to said first-named cup-shaped member, the outer flange portion of said second-named cup-shaped member being in substantial alignment with the edge of said first mentioned flange portion but spaced therefrom to receive the wall of a door therebetween, fastening means on the inner end of said spindle for holding the spindle in said cup-shaped members and a handle for rotating said spindle mounted on the outer end of the spindle.

2,272,146
PEN BEAM FOR RULING MACHINES
Albert Broadmeyer, Brooklyn, N. Y., assignor to John McAdams & Sons, Incorporated, Norwalk, Conn., a corporation of Connecticut
Application September 19, 1939, Serial No. 295,677
4 Claims. (Cl. 33—34)



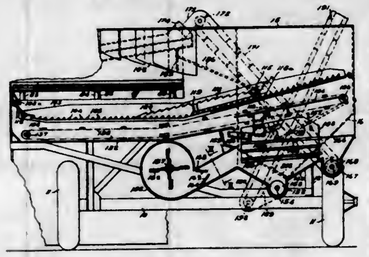
1. A pen beam for ruling machines comprising an elongated supporting member for transverse mounting upon a ruling machine, a pen holding member slidably engaging the upper surface of and supported by the supporting member, means for limiting motion of the pen holding member upon the supporting member to directions that are parallel to the supporting member, and means for securing the pen holding member in adjusted position upon the supporting member.

2,272,147
AUTOMATIC LOOM SHUTTLE
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 10, 1941, Serial No. 410,275
12 Claims. (Cl. 139—223)



1. A shuttle for the usual automatic bobbin changing loom, said shuttle having a side delivery eye, a longitudinal thread passage arranged to receive the usual incoming filling end during the first pick of the shuttle after transfer of a bobbin thereto, and guide devices carried by said shuttle and arranged to deflect said filling end laterally into said side delivery eye during said first pick after transfer.

2,272,148
CONTROLLABLE AIR SUPPLY FOR CLEANERS OF THRESHERS AND THE LIKE
Walter R. Dray, Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original application July 1, 1935, Serial No. 29,216. Divided and this application June 29, 1940, Serial No. 343,128
9 Claims. (Cl. 209—154)



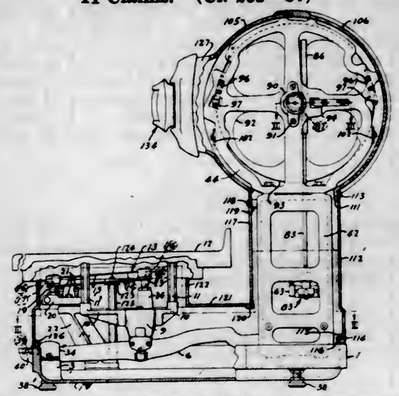
3. In a threshing apparatus, a device for cleaning grain separated in said apparatus, and ventilating means for supplying a controllable current of air to said cleaning device and comprising a conduit through which said air passes to said cleaning device, and adjustable valve means in said conduit operative to vary the amount of air passing therethrough and comprising a pair of pivoted members swingable on spaced axes toward and from each other to vary the effective area of the air passage between said members, the opposing edges of said members being deeply serrated, with the serrations of one member substantially closing the spaces between serrations of the other member when said members are in position to substantially close the air passage through said valve means, and means for simultaneously actuating said valve members toward open and closed positions.

2,272,149
METHOD OF MAKING AN ARTICLE OF MANUFACTURE
Maurice Fixler, Chicago, Ill., assignor, by mesne assignments, to Fixler Bros., Chicago, Ill., a copartnership consisting of Maurice Fixler and Martin Fixler
Application January 13, 1941, Serial No. 374,169
1 Claim. (Cl. 2—278)



In a process of fabricating a piece of needlework from a plurality of predetermined shaped blanks of fabric, the steps of forming in a sheet of fabric a plurality of blanks each of a predetermined configuration encompassed by a border of needlework having therein a plurality of spaced perforations, severing each blank from the sheet by cutting into the sheet along a line of severance close to but outside of said blank border, and thereafter applying crochet work to said border of the severed blank by fastening same to said blank border and through said perforations thus to center the blank with respect to and to connect it to other blanks in the piece of needlework and whereby the ragged edge of each cut blank is enveloped in and concealed by the crochet work.

2,272,150
WEIGHING SCALE
Halvor Warren Hem, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application November 29, 1937, Serial No. 177,047
11 Claims. (Cl. 265—37)



1. A weighing scale including in combination a base, load receiving mechanism mounted on said base, a plurality of frames mounted on the opposite end of said base, load counter-balancing and weight indicating mechanism supported on said frames, a housing for encasing said plurality of frames and said mechanisms supported thereon, another housing mounted on said base for encasing said load receiving mechanism, said housing for encasing said indicating and counterbalancing mechanisms supporting frames

comprising a plurality of separate sections, said housing for encasing said load receiving mechanism comprising an integrally formed part and having an opening therein for the passage therethrough of portions of said load receiving mechanism, a platform overlying said opening, and a check link for maintaining the condition of level of said platform, said check link lying within said opening.

2,272,151
HAIRBRUSH
Dorothy Hertzberg, Detroit, Mich., now by decree of court Dorothy Phillips
Application June 19, 1941, Serial No. 398,692
9 Claims. (Cl. 132—88)



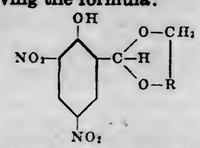
1. The combination, a rat-tail handle member, a bristle supporting member adapted to receive and secure a plurality of bristles, and an intermediate upright thumb engaging member.

2,272,152
LACQUER EMULSION
Malcolm C. Moore, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1940, Serial No. 317,024
5 Claims. (Cl. 106—170)

1. A stable emulsion comprising a substantially water-immiscible solution of nitrocellulose dispersed in internal phase in water, in which the aqueous phase contains in solution in the water about 30% by weight of an organic material which is a solvent for nitrocellulose, the nitrocellulose solution having a weight ratio to the aqueous phase between about 2 : 1 and about 4 : 1, the emulsion being capable of forming unblushed films and protective coatings of improved smoothness upon drying at a relative humidity of 40–45% and being improved in resistance to breaking at temperatures below the freezing point of water.

2,272,153
CYCLIC ACETAL
Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 13, 1941, Serial No. 393,226
4 Claims. (Cl. 260—338)

1. A 2-(3'.5'-dinitro-2'-hydroxy-phenyl) cyclic acetal having the formula:



wherein R represents a member of the class consisting of methylene, ethylene, alkyl-methylene, hydroxyalkyl-methylene, and hydroxy-ethylene, and the cyclic acetal ring contains not more than 6 carbon atoms.

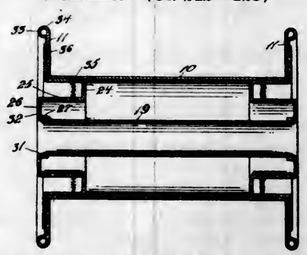
2,272,154
PHENOL FORMALDEHYDE CONDENSATION PRODUCTS
Reinhart Müller, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application November 12, 1938, Serial No. 240,005. In Germany November 16, 1937
4 Claims. (Cl. 260—57)

4. Process of preparing a resinous product of the phenol-aldehyde type which comprises reacting a phenol with formaldehyde in proportions ranging from less than one mol of the formaldehyde for each mol of phenol to three mols of formaldehyde for each mol of the phenol in the presence of from three to fifty per cent of metallic magnesium and water.

2,272,155
PREPARATION OF PHENOLIC CONDENSATION PRODUCTS
Reinhart Müller, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application December 16, 1938, Serial No. 246,123. In Germany December 21, 1937
1 Claim. (Cl. 260—57)

Process of preparing a condensation product of a phenol with formaldehyde characterized by heat reactivity in the absence of ammonia and alkali salts which comprises preparing a magnesium phenolate in the presence of excess of the phenol by adding to the phenol an aqueous solution of a magnesium salt and a member of the group consisting of the oxides and hydroxides of the alkali and alkaline earth metals and ammonium hydroxide, separating the magnesium phenolate solution in the phenol from the aqueous salt solution, adding thereto aqueous formaldehyde, and causing the phenol to condense with the formaldehyde.

2,272,156
SPOOL OR REEL
Robert V. Olson, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application July 26, 1940, Serial No. 347,609
3 Claims. (Cl. 242—123)



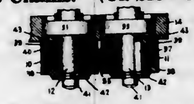
1. In a reel or spool of sheet metal a head having a central opening therein of approximately the size of the outer diameter of the barrel and with the surface defining said opening relatively smooth and unbroken, a barrel extending into said opening, a central tube, an end plate abutting the outer surface of said head and having a flange extending into the opening in said barrel along said barrel and then extending radially inwardly, then outwardly axially of the barrel, then radially inwardly to engage said tube, and a weld located between said flange and barrel to hold said head and barrel in assembled relation.

2,272,157
RECORD DISK
Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application March 11, 1940, Serial No. 323,438
5 Claims. (Cl. 274—42)



1. A disk type phonograph record of uniform thickness comprising a base sheet of pressed paper pulp of the same thickness at the center and along the outer periphery and of a lesser thickness at the intermediate portion, and an annular layer of sound track forming material on said base sheet between the rim and the center portion and building up said intermediate portion to at least the same thickness as the rim and the center portion.

2,272,158
ARC WELDING HEAD
Jasper E. Anderson, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application November 28, 1940, Serial No. 367,559
5 Claims. (Cl. 219—8)



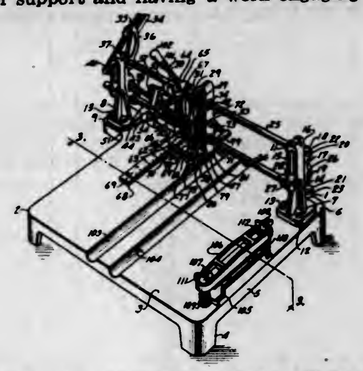
1. An arc welding head comprising a pair of shafts spaced from one another by a fixed distance, means for rotating at least one of said shafts, an expansible feed roll forming one of a pair of feed rolls mounted opposite one another on said shafts, and means for adjustably varying the diameter of said expansible feed roll to control its driving engagement with electrodes of different sizes positioned between said feed rolls.

2,272,159
PURIFICATION OF 3-PICOLINE
Francis E. Cislak and William R. Wheeler, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 2, 1941, Serial No. 400,798
6 Claims. (Cl. 260—290)

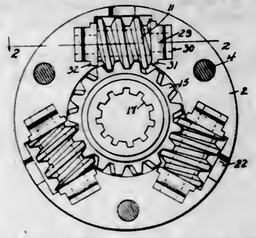
1. The process of purifying 3-picoline that is contaminated by the co-presence of at least one of the bases 4-picoline and 2,6-lutidine, which consists in heating the contaminated 3-picoline with sulfur, and separating the unreacted 3-picoline from reaction products.

2,272,160
TILE CUTTING AND BREAKING APPARATUS
Eber L. Driver, Kansas City, Mo.
Application May 13, 1940, Serial No. 334,919
5 Claims. (Cl. 125—23)

1. The combination with a cutting mechanism including a work piece support, a cutter, and a support for the cutter movable relative to the work piece support to effect a cut across a work piece, of means for breaking the work piece on said cut including work piece pressing means carried by one of said supports and having work piece engaging portions on the respective sides of the cutter, work pressing means carried by the other support and having a work engaging portion between said work engaging portions of the other pressing means, means on one of said supports for interlocking with the other when the cutter moves off the work piece being cut, and means for moving one of said pressing means toward the other to break the work piece along the cut.



2,272,161
DIFFERENTIAL MECHANISM
Clayton Erasmus Frederickson, Chicago, Ill.
Application April 1, 1940, Serial No. 327,369
11 Claims. (Cl. 74—713)

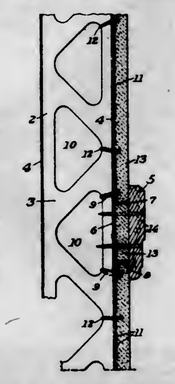


1. In a worm-differential, a case composed of two sections bolted together, each section having chambers provided with bearing block receiving recesses entering from the plane between the sections, key-worms, shafts on which said key-worms rotate, elongated bearing blocks in which the ends of said shafts are secured and between which said key-worms are positioned, a worm, two bearing blocks and a shaft constituting a unit assembly, said case section's recesses being shaped to receive and fit said bearing blocks, and worm pinions in said chambers to mesh with said key-worms.

2,272,162
WALL CONSTRUCTION AND GROUND DEVICE THEREFOR
Alexander Lackey, Newton, Mass., assignor to The Consolidated Expanded Metals Companies, Wheeling, W. Va., a corporation of West Virginia
Application January 24, 1939, Serial No. 252,612
5 Claims. (Cl. 72—118)

1. Wall construction, comprising studding,

ground means connected with the studding and extending generally parallel to the plane of the wall, the ground means having spaced portions projecting substantially to the wall surface, lath and plaster facing also connected with the studding and whose outer surface defines the wall surface, the facing being discontinuous across the



space between said spaced portions of the ground means and such space being uninterrupted whereby to provide a conduit for wires and the like in the wall, and trim or the like projecting outwardly beyond the outer surface of the facing, the trim or the like being fastened to the ground means.

2,272,163

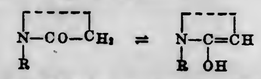
METHINE DYESTUFFS

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application November 13, 1937, Serial No. 174,489. In Great Britain November 14, 1936

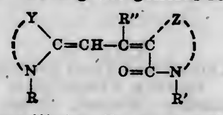
12 Claims. (Cl. 260—240)

1. A process for the production of dyestuffs comprising condensing a 5-membered ring compound containing the system:



in which R is selected from the class consisting of hydrogen, alkyl, aryl and aralkyl groups in the presence of an anhydride of a monobasic organic carboxylic acid and an acid binding agent with a compound selected from the class consisting of quaternary salts of heterocyclic nitrogen compounds having a reactive methyl group in the α position to the nitrogen atom and quaternary salts of heterocyclic nitrogen compounds having a reactive methyl group in the γ position to the nitrogen atom.

9. A dyestuff having the general formula:



wherein Y constitutes the non-metallic atoms necessary to complete an oxazole nucleus, Z represents the non-metallic atoms necessary to complete a five-membered heterocyclic nucleus, R is a hydrocarbon radical, R' is a member of the group consisting of hydrogen, alkyl, aryl and aralkyl groups, R'' is a hydrocarbon radical selected from the group consisting of alkyl and aryl radicals.

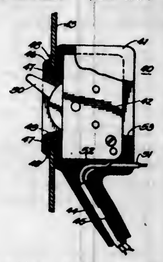
2,272,164

STRAIN RELIEF AND SWITCH ASSEMBLY

Henry A. Neil, Barrington, Ill., and Robert K. Schelke, Richmond, Ind., assignors to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 1, 1940, Serial No. 349,320

14 Claims. (Cl. 200—157)



1. In combination with an electrical appliance adapted to be moved around while connected for energization to a source of electrical current, a switch on the appliance for turning the same on and off, conductor means for connecting said switch to said source of electrical current, and a combined strain relief and switch support comprising a body of resilient, molded material having a cavity formed therein for receiving and supporting said switch, said molded resilient body being integrally attached to said conductor means to provide strain relief connection therewith.

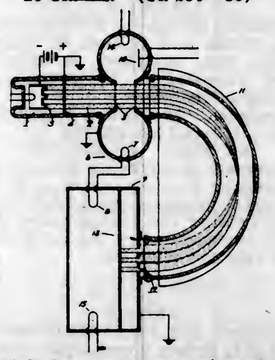
2,272,165

HIGH FREQUENCY ELECTRICAL APPARATUS

Russell H. Varian, William W. Hansen, and Lindsay M. Applegate, Stanford University, Calif., assignors to The Board of Trustees of the Leland Stanford, Junior, University, Stanford University, Calif., a corporation of California

Application March 1, 1938, Serial No. 193,268

16 Claims. (Cl. 250—36)



14. In high frequency apparatus of the character described a hollow substantially closed conducting member, means for setting up a standing electromagnetic field within said member, and means for producing and projecting an electron beam through said member for effecting velocity changes of the electrons of said beam and lateral deflection thereof for use in deriving energy therefrom.

2,272,166

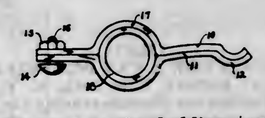
ROCKER ARM

James M. Leake, Toledo, Ohio, assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Original application May 22, 1937, Serial No. 144,260. Divided and this application September 14, 1939, Serial No. 294,915

9 Claims. (Cl. 74—519)

1. A rocker arm comprising an upper stamping, a lower stamping, said upper stamping having a semi-cylindrical flange, said lower stamping having a semi-cylindrical flange, said semi-cylindrical flanges forming a hub, a pivot bearing



in said hub, a means for holding together said upper stamping and said lower stamping and a contacting bearing in the proximity of either end of said rocker arm.

DESIGNS

FEBRUARY 3, 1942

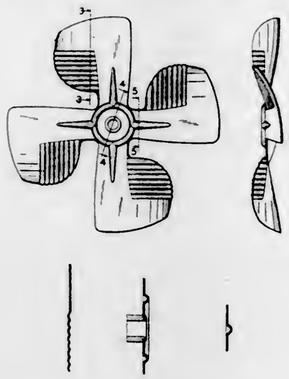
131,271

DESIGN FOR A FAN PROPELLER

Francesco G. Collura, New York, N. Y., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut

Application November 14, 1941, Serial No. 104,147

Term of patent 14 years



The ornamental design for a fan propeller, substantially as shown.

131,272

DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE

Maurice Fixler, Chicago, Ill., assignor, by mesne assignments, to Fixler Bros, Chicago, Ill., a copartnership consisting of Maurice Fixler and Martin Fixler

Application December 20, 1941, Serial No. 104,748

Term of patent 7 years



The ornamental design for embroidered needlework fabric or similar article, as shown.

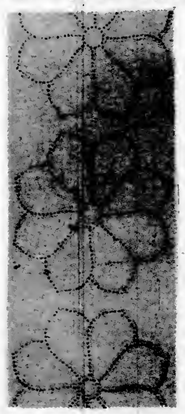
131,273

DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE

Maurice Fixler, Chicago, Ill., assignor, by mesne assignments, to Fixler Bros., Chicago, Ill., a copartnership consisting of Maurice Fixler and Martin Fixler

Application December 20, 1941, Serial No. 104,749

Term of patent 7 years



The ornamental design for embroidered needlework fabric or similar article, as shown.

131,274

DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE

Maurice Fixler, Chicago, Ill., assignor, by mesne assignments, to Fixler Bros., Chicago, Ill., a copartnership consisting of Maurice Fixler and Martin Fixler

Application December 20, 1941, Serial No. 104,750

Term of patent 7 years



The ornamental design for embroidered needlework fabric or similar article, as shown.

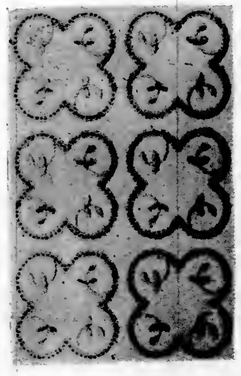
131,275

DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE

Maurice Fixler, Chicago, Ill., assignor, by mesne assignments, to Fixler Bros., Chicago, Ill., a copartnership consisting of Maurice Fixler and Martin Fixler

Application December 20, 1941, Serial No. 104,751

Term of patent 7 years



The ornamental design for embroidered needlework fabric or similar article, as shown.

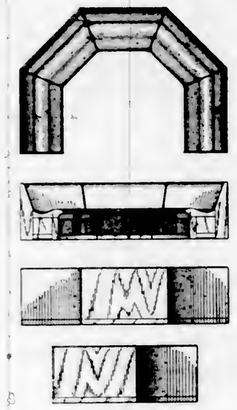
131,276

DESIGN FOR A SETTEE

Andrew L. Henkel and Burke M. Ewing, Chicago, Ill., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware

Application December 2, 1940, Serial No. 97,002

Term of patent 14 years



The ornamental design for a settee, as shown.

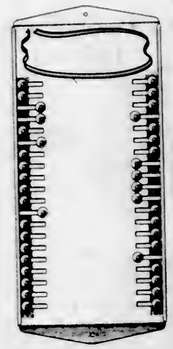
131,277

DESIGN FOR A KITCHEN REMINDER

Gale M. Spowers, Crisfield, Md., assignor to Chas. D. Briddell, Inc., Crisfield, Md., a corporation of Maryland

Application April 11, 1940, Serial No. 91,609

Term of patent 3½ years



The ornamental design for a kitchen reminder, as shown and described.

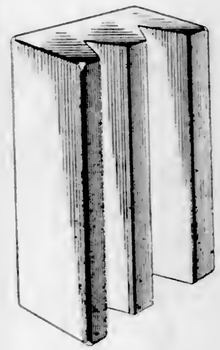
131,278

DESIGN FOR A CAKE OF SOAP

Gordon D. Voorhis, Rhinebeck, N. Y., assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y., a corporation of New York

Application May 8, 1941, Serial No. 100,837

Term of patent 14 years



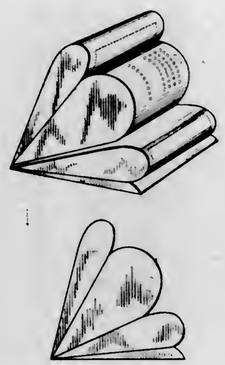
The ornamental design for a cake of soap, as shown and described.

131,279
DESIGN FOR AN INDUSTRIAL TRUCK
Elverton W. Weaver and John Gordon Rideout, Cleveland Heights, Ohio, assignors, by mesne assignments, to Towmotor Co., Cleveland, Ohio, a copartnership
Application August 15, 1941, Serial No. 102,848
Term of patent 7 years



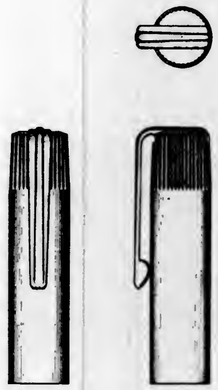
The ornamental design for an industrial truck, as shown.

131,280
DESIGN FOR A CASH REGISTER
Jack Barofsky, Los Angeles, Calif.
Application July 22, 1941, Serial No. 102,367
Term of patent 14 years



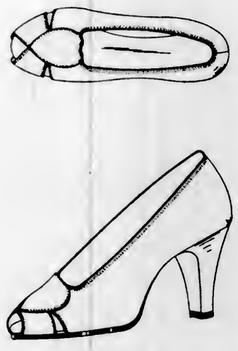
The ornamental design for a cash register, as shown and described.

131,281
DESIGN FOR A COMBINED CAP AND CLIP FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Hans A. Bauer, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1941, Serial No. 102,502
Term of patent 14 years



The ornamental design for a combined cap and clip for a mechanical pencil or similar article, substantially as shown.

131,282
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1942, Serial No. 105,026
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,283
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1942, Serial No. 105,027
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

131,284
DESIGN FOR AN UMBRELLA OR SIMILAR ARTICLE
Frances Miller, New York, N. Y.
Application March 24, 1941, Serial No. 99,788
Term of patent 3½ years



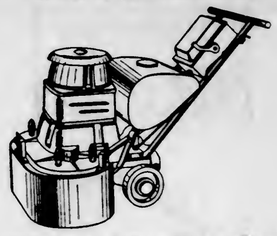
The ornamental design for an umbrella or similar article, substantially as shown.

131,285
DESIGN FOR A COSTUME DRESS OR SIMILAR ARTICLE
Marie Miller, Los Angeles, Calif.
Application December 28, 1940, Serial No. 97,683
Term of patent 3½ years



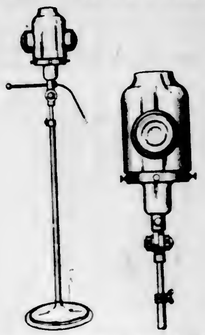
The ornamental design for a costume dress or similar article, as shown and described.

131,286
DESIGN FOR A FLOOR SURFACING MACHINE
Harold J. Pond, Minneapolis, Minn.
Application November 28, 1941, Serial No. 104,363
Term of patent 14 years



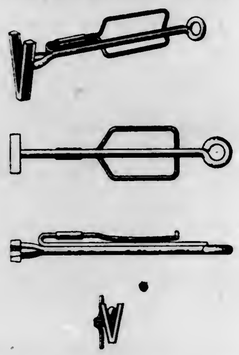
The ornamental design for a floor surfacing machine, as shown and described.

131,287
DESIGN FOR A LAMP
Samuel Weldon Rosenthal, New York, N. Y.
Application December 31, 1941, Serial No. 104,941
Term of patent 7 years



The ornamental design for a lamp, substantially as shown.

131,288
DESIGN FOR A TIE CLASP
Rhea J. Vernon, Abilene, Tex.
Application July 12, 1941, Serial No. 102,107
Term of patent 7 years



The ornamental design for a tie clasp, as shown and described.

131,289
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 19, 1941, Serial No. 104,733
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,290
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 19, 1941, Serial No. 104,734
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,291
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application December 19, 1941, Serial No. 104,735
Term of patent 3½ years



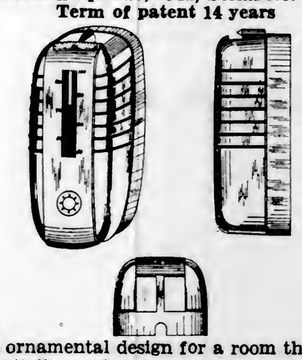
The ornamental design for a shoe, substantially as shown and described.

131,292
DESIGN FOR A SERVICE CERTIFICATE
Francis F. Arenz, South Bend, Ind.
Application September 20, 1941, Serial No. 103,439
Term of patent 7 years



The ornamental design for a service certificate, as shown and described.

131,293
DESIGN FOR A ROOM THERMOSTAT
James Frederick Barnes and Jean Otis Reinecke, Chicago, Ill., and Roy W. Johnson, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 23, 1941, Serial No. 100,584
Term of patent 14 years



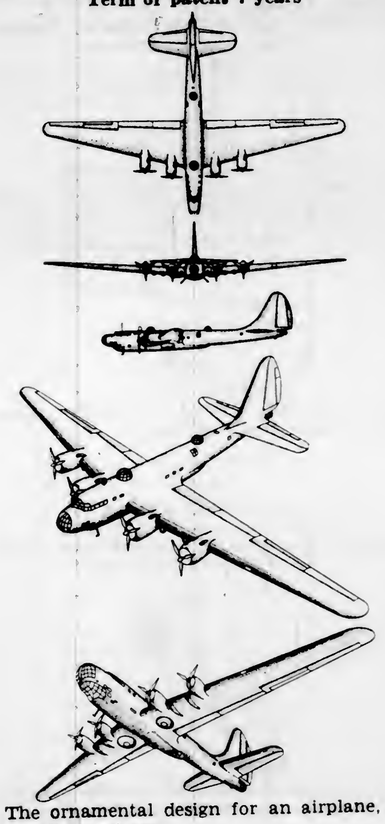
The ornamental design for a room thermostat, substantially as shown.

131,294
DESIGN FOR A BOTTLE
Royden A. Blunt, Howard County, Md.
Application December 20, 1941, Serial No. 104,757
Term of patent 14 years



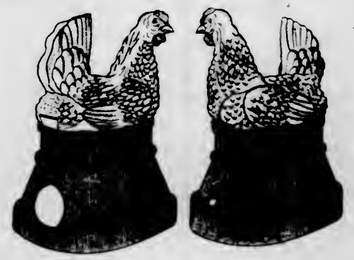
The ornamental design for a bottle, as shown.

131,295
DESIGN FOR AN AIRPLANE
Edward F. Burton and William Bailey Oswald, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application April 28, 1941, Serial No. 100,669
Term of patent 7 years



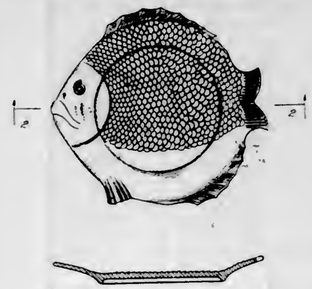
The ornamental design for an airplane, substantially as shown.

131,296
DESIGN FOR A VENDING DEVICE
Milton K. Davis, Dallas, Tex.
Application May 12, 1941, Serial No. 100,912
Term of patent 7 years



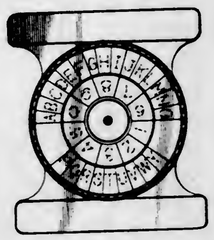
The ornamental design for a vending device, substantially as shown.

131,297
DESIGN FOR A SALAD PLATE
Inez B. Donovan, Terminal Island, Calif., assignor to Van Camp Sea Food Co. Inc., Fish Harbor, Terminal Island, Calif.
Application May 6, 1941, Serial No. 100,803
Term of patent 14 years



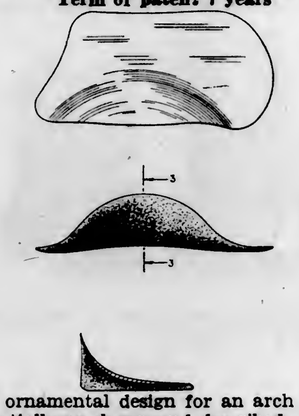
The ornamental design for a salad plate, as shown.

131,298
DESIGN FOR A LABEL FOR A TOY MOTOR MOUNTING OR SIMILAR ARTICLE
Harry D. Finberg, Boston, Mass.
Application August 18, 1941, Serial No. 102,912
Term of patent 14 years



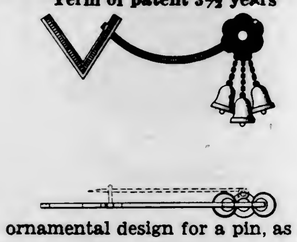
The ornamental design for a label for a toy motor mounting or similar article, as shown and described.

131,299
DESIGN FOR AN ARCH BALANCER
Irwin Herskovits, New York, N. Y.
Application October 19, 1940, Serial No. 95,927
Term of patent 7 years



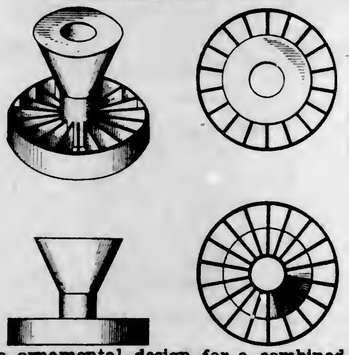
The ornamental design for an arch balancer, substantially as shown and described.

131,300
DESIGN FOR A PIN
Elsie C. Hogg, Elizabeth, N. J.
Application December 10, 1941, Serial No. 104,558
Term of patent 3½ years



The ornamental design for a pin, as shown.

131,301
DESIGN FOR A COMBINED FRUIT CORER AND SLICER
Henry W. Jacobsen, Cleveland Heights, Ohio
Application September 16, 1941, Serial No. 103,380
Term of patent 7 years



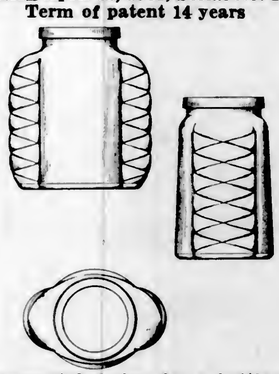
The ornamental design for a combined fruit corer and slicer, as shown.

131,302
DESIGN FOR A SHOE
Curt Kliche, Long Island City, N. Y.
Application December 20, 1941, Serial No. 104,771
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,303
DESIGN FOR A BOTTLE
Walter S. Miller, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 12, 1941, Serial No. 100,354
Term of patent 14 years



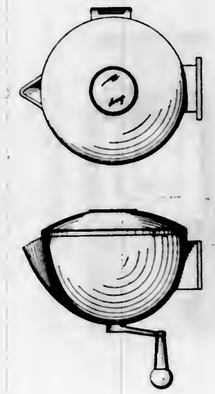
The ornamental design for a bottle substantially as shown and described.

131,304
DESIGN FOR A SHOE
Julius Pen, New York, N. Y.
Application December 20, 1941, Serial No. 104,781
Term of patent 3½ years



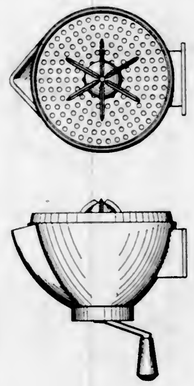
The ornamental design for a shoe, substantially as shown and described.

131,305
DESIGN FOR A FRUIT JUICER
Jean Otis Reinecke, Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 7, 1941, Serial No. 101,342
Term of patent 7 years



The ornamental design for a fruit juicer, substantially as shown.

131,306
DESIGN FOR A FRUIT JUICER
Jean Otis Reinecke, Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 7, 1941, Serial No. 101,343
Term of patent 7 years



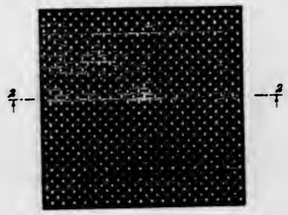
The ornamental design for a fruit juicer, substantially as shown.

131,307
DESIGN FOR A VALVE REFACING AND RESEATING TOOL
Ole O. Rothe and Israel Diebel, Minneapolis, Minn.
Application October 31, 1940, Serial No. 96,230
Term of patent 14 years



The ornamental design for a valve refacing and reseating tool, substantially as shown.

131,308
DESIGN FOR A TEXTILE FABRIC
Dora Selver, New York, N. Y.
Application April 17, 1941, Serial No. 100,477
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

131,309
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application December 19, 1941, Serial No. 104,738
Term of patent 3½ years



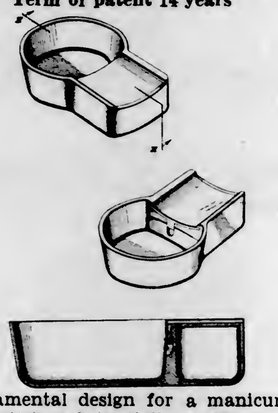
The ornamental design for a shoe, substantially as shown and described.

131,310
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application December 19, 1941, Serial No. 104,739
Term of patent 3½ years



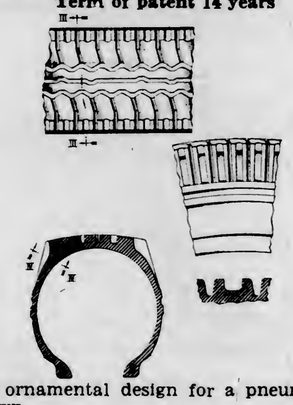
The ornamental design for a shoe, substantially as shown and described.

131,311
DESIGN FOR A MANICURE BOWL OR SIMILAR ARTICLE
Armond E. Sutton, Pasadena, Calif.
Application September 29, 1941, Serial No. 103,546
Term of patent 14 years



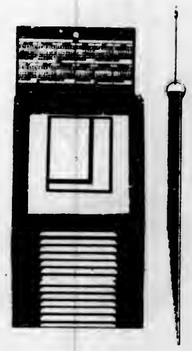
The ornamental design for a manicure bowl or similar article, substantially as shown.

131,312
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 22, 1941, Serial No. 104,263
Term of patent 14 years



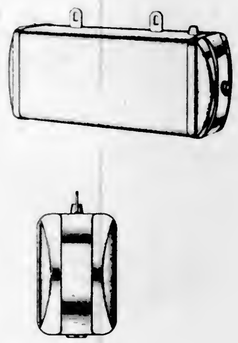
The ornamental design for a pneumatic tire, as shown.

131,313
DESIGN FOR A COMBINATION ALPHABETICAL INDEX AND CALENDAR
Benjamin Weinkrantz, New York, N. Y.
Application January 28, 1941, Serial No. 98,457
Term of patent 3½ years



The ornamental design for a combination alphabetical index and calendar, substantially as shown.

131,314
DESIGN FOR A TRANSFORMER
Elmer J. Zelt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 28, 1941, Serial No. 104,360
Term of patent 14 years



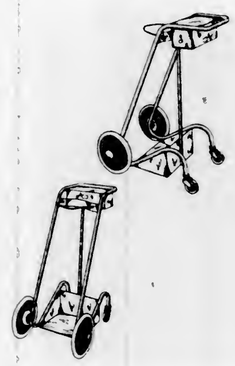
The ornamental design for a transformer, substantially as shown and described.

131,315
DESIGN FOR A VASE
Abraham Zimmerman, Springfield, Mass.
Application October 18, 1941, Serial No. 103,807
Term of patent 14 years



The ornamental design for a vase, as shown.

131,316
DESIGN FOR A LABORATORY APPARATUS HAND TRUCK
Morris Dann, Cleveland, Ohio
Application April 15, 1941, Serial No. 100,394
Term of patent 14 years



The ornamental design for a laboratory apparatus hand truck, substantially as shown.

131,317
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Curt Kliche, Flushing, N. Y.
Application January 5, 1942, Serial No. 105,025
Term of patent 3½ years



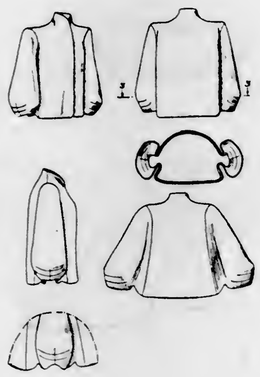
The ornamental design for a shoe or similar article, substantially as shown.

131,318
DESIGN FOR A SHOE
David E. Levin, New York, N. Y.
Application December 20, 1941, Serial No. 104,782
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,319
DESIGN FOR A CAPE OR SIMILAR ARTICLE
Max Levitt, New York, N. Y.
Application December 15, 1941, Serial No. 104,642
Term of patent 3½ years



The ornamental design for a cape or similar article, as shown.

131,320
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application January 14, 1942, Serial No. 105,176
Term of patent 3½ years



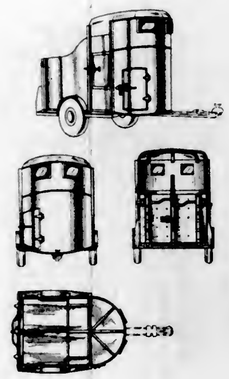
The ornamental design for a textile fabric, substantially as shown and described.

131,321
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application January 14, 1942, Serial No. 105,177
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

131,322
DESIGN FOR A TRAILER
Battista A. Vietti, Reno, Nev.
Application August 26, 1939, Serial No. 86,900
Term of patent 14 years



The ornamental design for a trailer, substantially as shown.

131,323
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y., assignor to Deering-Milliken Co., Inc., New York, N. Y., a corporation of New York
Application January 3, 1942, Serial No. 105,013
Term of patent 3½ years



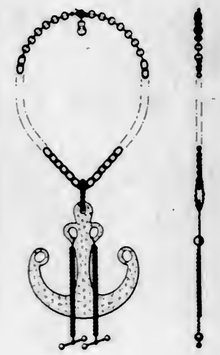
The ornamental design for a textile fabric, substantially as shown.

131,324
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y., assignor to Deering-Milliken Co., Inc., New York, N. Y., a corporation of New York
Application January 3, 1942, Serial No. 105,014
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

131,325
DESIGN FOR AN ARTICLE HOLDING DEVICE TO BE WORN ON THE PERSON
Ethel A. Cooper, Denver, Colo.
Application November 1, 1941, Serial No. 104,000
Term of patent 14 years



The ornamental design for an article holding device to be worn on the person, as shown.

131,326
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 7, 1942, Serial No. 105,055
Term of patent 3½ years



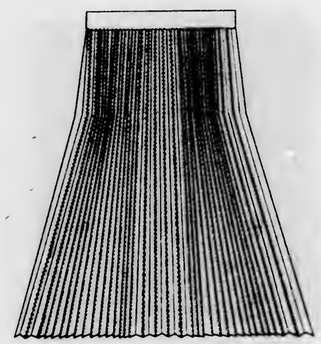
The ornamental design for a dress, substantially as shown.

131,327
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 7, 1942, Serial No. 105,056
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,328
DESIGN FOR A SKIRT
Samuel H. Geffner, New York, N. Y.
Application June 18, 1941, Serial No. 101,508
Term of patent 3½ years



The ornamental design for a skirt, substantially as shown and described.

131,329
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application January 10, 1942, Serial No. 105,098
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,330
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application January 10, 1942, Serial No. 105,101
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,331
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application January 10, 1942, Serial No. 105,102
Term of patent 3½ years



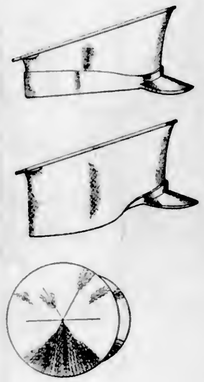
The ornamental design for a dress, substantially as shown.

131,332
DESIGN FOR A DRESS
Mollie Parnis, New York, N. Y.
Application January 10, 1942, Serial No. 105,097
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,333
DESIGN FOR A CAP
Samuel Rosenberg, Shorewood, Wis.
Application December 8, 1941, Serial No. 104,534
Term of patent 3½ years



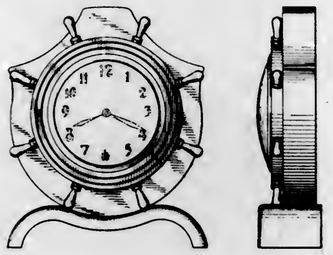
The ornamental design for a cap, as shown.

131,334
DESIGN FOR A DRESS
Mary E. Tetreault, New York, N. Y.
Application January 10, 1942, Serial No. 105,099
Term of patent 3½ years



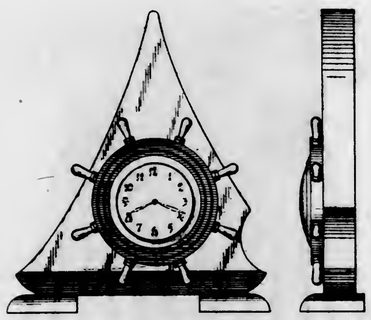
The ornamental design for a dress, substantially as shown.

131,335
DESIGN FOR AN ELECTRIC CLOCK
Henry Triguba, New York, N. Y., assignor to Joseph Gottlieb, Jersey City, N. J.
Application November 28, 1941, Serial No. 104,368
Term of patent 3½ years



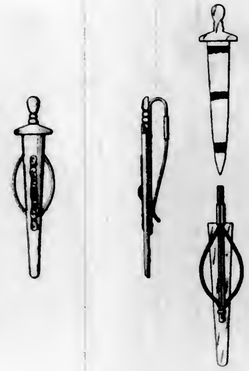
The ornamental design for an electric clock, as shown.

131,336
DESIGN FOR AN ELECTRIC CLOCK
Henry Triguba, New York, N. Y., assignor to Joseph Gottlieb, Jersey City, N. J.
Application November 28, 1941, Serial No. 104,369
Term of patent 3½ years



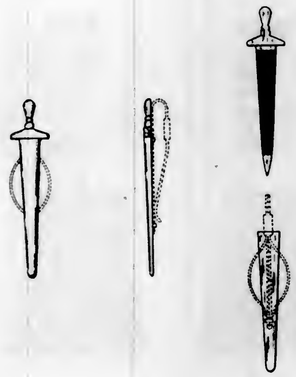
The ornamental design for an electric clock, as shown.

131,337
DESIGN FOR A COMBINED TIE-CLIP AND NAIL FILE
Jacob M. Weiss, Brooklyn, N. Y., assignor to Milton J. Bernstein, Brooklyn, N. Y.
Application October 16, 1940, Serial No. 95,879
Term of patent 3½ years



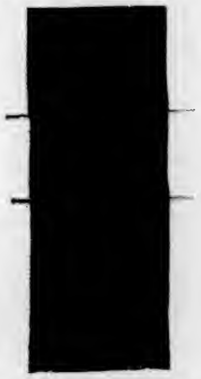
The ornamental design for a combined tie-clip and nail file, substantially as shown and described.

131,338
DESIGN FOR A COMBINED TIE-CLIP AND NAIL FILE
Jacob M. Weiss, Brooklyn, N. Y.
Application September 26, 1941, Serial No. 103,557
Term of patent 14 years



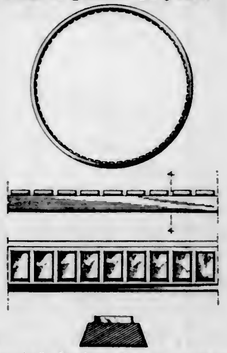
The ornamental design for a combined tie-clip and nail file, substantially as shown and described.

131,339
DESIGN FOR A LACE
Isaac Zendman, Jr., New York, N. Y.
Application January 10, 1942, Serial No. 105,113
Term of patent 3½ years



The ornamental design for a lace, substantially as shown.

131,340
DESIGN FOR A POWER TRANSMISSION BELT
Richard Y. Case, Philadelphia, Pa., assignor to L. H. Gilmer Co., Tacony, Philadelphia, Pa., a corporation of New Jersey
Application March 4, 1941, Serial No. 99,350
Term of patent 14 years



The ornamental design for a power transmission belt, as shown.

THE

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February 10, 1942

Trade-marks	79	No. 393,384 to No. 393,426, inclusive.
T. M. Renewals	103	
Reissue	8	No. 22,019 to No. 22,026, inclusive.
Patents	836	No. 2,272,167 to No. 2,273,002, inclusive.
Designs	62	No. 131,341 to No. 131,402, inclusive.
Total	1,306	

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 22, 1942.*

American Crude Oil Motors Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Acrotorque Company, 4815 Lexington Avenue, Cleveland, Ohio, to effect the cancellation of registration No. 198,071, issued May 5, 1925, to American Crude Oil Motors Corp., 153 Hudson Street, New York, N. Y., and a notice of such proceeding sent by registered mail to said American Crude Oil Motors Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Crude Oil Motors Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. N. Y.) Haas patent, No. 1,964,911, for catamenial device, claim 1, *Held* not infringed. *Tampax, Inc., v. Personal Products Corporation*, 123 F.(2d) 722.

(C. C. A. N. Y.) Haas patent No. 2,042,218, for catamenial device, claims 1, 2, and 3 *Held* invalid. *Id.*

Disclaimers

1,909,008.—*Charles H. Prange*, Lyndhurst, N. J. Highly Refractory Dental Mold Material and Method of Making the Same. Patent dated May 16, 1933. Disclaimer filed January 19, 1942, by the assignee, *Austenal Laboratories, Inc.*, the inventor assenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, and 13 of said Letters Patent.

2,064,770.—*William Martin Vogel*, Glen Ridge, N. J. Method and Apparatus for Manufacturing Bottle Caps. Patent dated December 15, 1936. Disclaimer filed January 6, 1942, by the inventor.

Hereby enters this disclaimer to claims 1, 4, 5, 6, 16, 19, 20, 21, 22, 29, 30, and 31 of said Letters Patent.

2,156,150.—*George Frederick French*, Hulme, Manchester, England. Ladder and Like Webbing and Method of Producing the Same. Patent dated April 25, 1939. Disclaimer filed January 14, 1942, by the assignees, *George Frederick French* and *Roger French*.

Hereby enter this disclaimer to claims 1, 2, 3, 4, 5, 9, and 10 in said specification.

2,214,390.—*Gunnar A. Wahlmark*, Rockford, Ill. Fluid Pressure Generating and Control Means. Patent dated September 10, 1940. Disclaimer filed January 19, 1942, by the inventor.

Hereby enters this disclaimer to claim 16 in said specification.

2,265,350.—*Nelson B. Coley*, Rochester, N. Y. Switch and Signal Control System for Railroads. Patent dated December 9, 1941. Disclaimer filed January 17, 1942, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claims 19 and 20 any system of switch and signal control, except wherein the four relays associated with each crossover and energized in the manner specified, are alone sufficient to operate the crossover to the normal or reversed position as required for establishing any route in either direction over the track layout from any entrance signal location.

Condition of Applications Under Examination at Close of Business January 24, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,403; Trade-Mark Division, 1,275. Oldest new case, Apr. 23, 1941; oldest amended, Apr. 24, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 6	June 13	738
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 9	Aug. 13	619
4008	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 18	Oct. 17	530
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 10	Sept. 29	448
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 9	477
4908 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 10	July 18	962
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	July 22	1,005
3935	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	July 31	847
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 2	554
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 31	June 5	782
5667 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 2	Oct. 7	380
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 20	Aug. 4	544
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	June 9	633
5697	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 29	Oct. 1	546
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 21	June 20	1,143
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 17	Sept. 17	458
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	June 26	832
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Aug. 9	503
4098	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 18	July 10	653
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 28	375
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 23	Sept. 5	338
5000	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 23	Apr. 24	1,507
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	240
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 25	Aug. 16	790
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 8	Sept. 2	575
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 12	Sept. 5	383
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	July 28	501
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 24	343
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 17	July 15	662
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 20	Oct. 24	334
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 1	Aug. 5	1,471
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 16	June 25	881
6004	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 20	June 23	861
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 19	July 23	329
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	June 23	June 27	855
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 2	Aug. 12	595
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 15	Sept. 10	563
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 5	June 12	684
4578	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Oct. 9	443
7580	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 1	July 1	1,561
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 7	Aug. 2	550
5982	42. CUTTING, H. O., Electric Signaling	Aug. 29	Aug. 22	357
4986 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 8	Aug. 11	643
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 20	Aug. 15	381
7098	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 7	Nov. 10	256
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 24	July 24	772
6082	47. KANOF, W. J., Clutches; Brakes	Aug. 14	Aug. 15	410
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 25	July 25	699
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 22	July 14	657
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 24	July 24	1,333
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 7	Nov. 6	300
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 4	Sept. 11	456
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 16	Apr. 28	578
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 16	Sept. 29	306
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 16	Sept. 8	285
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 12	June 5	1,371
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 16	Oct. 6	257
5905	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 30	Oct. 11	382
4709	59. SHEPPARD, F. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 11	June 18	1,086
5906	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 13	Aug. 28	314
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 6	July 19	682
5021	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 20	Aug. 9	645
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 2	July 3	1,196
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 26	July 24	1,501
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 2	Sept. 19	367
2099 B	Trade-Marks: F. A. RICHMOND	Dec. 5	Dec. 15	1,275
2616	Designs: H. H. KALUPY	Nov. 29	Dec. 12	735

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

TOMLINSON OF HIGH POINT
v.
COE, COMMISSIONER OF PATENTS

No. 7,619. Decided October 27, 1941

[123 F.(2d) 65]

1. ACTIONS OF PATENT OFFICE—EX PARTE AND INTER PARTES.

The theory that when in an ex parte case the Patent Office refuses to grant a patent or to register a trade-mark, it acts in the public interest; but that in an inter partes case it acts in a quasi-judicial capacity and renders a decision adjudicating the rights of opposing parties, *Held* based on a line of distinction that cannot properly be drawn, the Patent Office presumably acting in the public interest in all cases, whether it grants or refuses a patent or a trade-mark registration.

2. SUIT UNDER SECTION 4915 R. S.—NATURE OF PROCEEDING.

The proceeding by bill in equity under section 4915 R. S. is "a part of the application for the patent" or for registration of the trade-mark, and the applicant for a trade-mark registration whose application was successfully opposed in the Patent Office properly seeks relief under the provisions of said section.

3. SAME—SAME.

A proceeding under section 4915 R. S. is a new proceeding in equity and is not an appeal from the Patent Office decision.

4. SAME—SERVICE UPON COMMISSIONER.

The language of section 4915 R. S., requiring that "• • • In all cases where there is no opposing party a copy of the bill shall be served on the Commissioner • • •" *Held* applicable to a case where an applicant for a trade-mark registration whose application successfully was opposed in the Patent Office brought its suit against the Commissioner alone.

5. SAME—COMMISSIONER PROPER PARTY.

The fact that one who successfully opposed in the Patent Office an application for registration of a trade-mark is named in the body of the complaint filed by the applicant in a suit brought under the provisions of section 4915 R. S. against the Commissioner alone does not result in requiring that the suit be dismissed as to the Commissioner.

6. SAME—COMMISSIONER ACTS IN PUBLIC INTEREST.

In all cases arising under section 4915 R. S. the Commissioner acts in the public interest and not to protect any interest of his which is adverse to a claimant.

7. SECTION 4915 R. S.—NO LIMITATION AGAINST SUING COMMISSIONER.

"Section 4915 contains no general limitation against suing the Commissioner. It speaks affirmatively as to when service must be made upon the Commissioner. It says nothing about the propriety of suing the Commissioner, even when there is an opposing party."

8. TRADE-MARKS—SECTION 9 OF ACT OF 1905.

It is proper to join the Commissioner as a party with others in proceedings under section 9 of the Trade-Mark Act of February 20, 1905, into which has been integrated the practices and procedures of section 4915 R. S.

9. SUIT UNDER SECTION 4915 R. S.—COMMISSIONER PROPER PARTY WHERE PUBLIC INTEREST IS INVOLVED.

"The law is • • • that the Commissioner is a proper party in all proceedings, properly brought under section 4915, in which the public interest is involved because of the necessity of determining whether it is the duty of the Commissioner to grant a patent or register a trade-mark."

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

Mr. Howard N. Moore for Tomlinson of High Point.

Mr. W. W. Cochran for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and VINSON, Associate Justices

MILLER, *A. J.*:

Appellant is a manufacturer of furniture. It sought to register as a trade-mark the name The Williamsburg Galleries. Its trade-mark was at first held to be registrable, and was published in the OFFICIAL GAZETTE of the Patent Office, November 3, 1936. On December 1, 1936, an opposition was filed to the registration by Colonial Williamsburg, Inc. Appellant in an appendix to its brief on this appeal incorporated a decision of the Examiner of Interferences on April 8, 1938, sustaining this opposition.[1] Appellant also incorporated a decision of the Commissioner of Patents affirming the Examiner's decision.[2] Appellant thereupon sued the Commissioner of Patents in the District Court of the United States for the District of Columbia. The opposer, Colonial Williamsburg, Inc., was not joined as a defendant. The district court granted the Commissioner's motion to dismiss the complaint on the ground that he was not a proper party to the suit. That is the only question presented on this appeal.

Appellee contends that except in an ex parte case where the applicant is the only party involved, the Commissioner cannot be made a party to a proceeding under section 4915, R. S.,[3] on account of his refusal to grant a patent or register a trade-mark. He argues that the language of the section which reads: "In all cases where there is no opposing party a copy of the bill shall be served on the Commissioner . . ." means that where there is such an opposing party, then the Commissioner was not intended to be served or to be a party; hence that, if he is made a party and served, the suit should be dismissed as to him.

[1] The contention and argument are based upon the theory that when in an ex parte case the Patent Office refuses to grant a patent or to register a trade-mark, it acts in the public interest; but that in an inter partes case it acts in a quasi-judicial capacity and renders a decision adjudicating the rights of opposing parties. But no such line of dis-

[1] That decision reads in part as follows: "This term has been used by the opposer in connection with its affairs . . . and it is accordingly further held that the latter can qualify under the 'geographical' clause of section 5."

[2] That decision reads in part as follows: "I am convinced that applicant's use of the trade-mark proposed to be registered would lead numerous members of the public to believe that applicant's furniture was in some way sponsored by opposer, and that opposer may thereby suffer injury."

See also, *Colonial Williamsburg, Inc.*, v. *Tomlinson of High Point*, 40 U. S. P. Q. 563.

[3] 35 U. S. C. A. § 63.

tinction can properly be drawn.[4] Presumably, the Patent Office acts in the public interest in all cases, whether it grants or refuses a patent or a trade-mark registration.[5] Whether, in the present case, the Patent Office mistakenly accepted and registered appellant's trade-mark in the first place, or whether its later action in refusing registration was correct, presumably it was attempting to act in the public interest in each case. The fact that it acted correctly in the second case—if it did—because the opposer called its attention to the earlier mistaken action did not make the second decision any the less an action in the public interest than if the Patent Office tribunals had themselves first discovered the nonregistrability of appellant's trade-mark.[6]

[2] The proceeding by bill in equity under section 4915, R. S., is "a part of the application for the patent" [7] or for registration of the trade-mark. Accordingly, in the present case, appellant seeks relief which is properly sought under the provisions of section 4915, R. S., i. e., a decree authorizing and directing the Commissioner of Patents to register its trade-mark.[8] Both the public interest and the necessities of the case require that the Commissioner be made a party when the issue to be determined is whether such relief shall be granted. The opposer could not act to carry out a decree granting such relief; and such relief should not be granted without opportunity for the Commissioner to present countervailing evidence; hence, the public interest cannot properly be served without the participation of the Commissioner.

[3] [4] Again, the language of the statute upon which the Commissioner relies is not satisfied in the present case. Appellant brought this suit against the Commissioner alone. In other words, there was no opposing party in the proceeding in the district court from which this appeal was taken. A proceeding under that section is a new proceeding in equity.[9] It is not an appeal from the Patent Office decision.[10] The law requires in a case such as the present that service be made upon the Commissioner.[11]

We held recently in *Radtke Patents Corp.* v. *Coe*,[12] that the Commissioner's motion to be dismissed in that case should be denied. We did so on the theory that he was a proper party, because the issue of invention and patentability was necessarily involved.[13] In that case opposing parties were named, as such, in the complaint and, presumably, it was not necessary to serve a copy of the bill upon the Commissioner.[14] Nevertheless, he was a proper party.[15]

[5] This is even more true in the present case. The fact that an opposer of the request for registration was named in the body of the complaint does not result in requiring that the suit be dismissed as to the Commissioner. Appellee relies upon the decisions of this court in *Coe* v. *Hobart Mfg. Co.*[16] and *J. C. Eno* v. *Coe*,[17] but those decisions do not support his contention. In the Hobart case, it was held that the Commissioner was not an "adverse party" within the meaning of the statute,[18] which permits suits to be brought under section 4915 in the District Court of the United States for the District of Columbia,

"if it shall appear that there is an adverse party residing in a foreign country, or adverse parties residing in a plurality of districts not embraced within the same State . . ."

Plaintiff Hobart Company, an Ohio corporation, and defendant Cunningham, a resident of Illinois, were rival applicants for a patent. The Patent Office, in an interference proceeding, awarded priority to Cunningham. Hobart Company sued the Commissioner of Patents and Cunningham in the District of Columbia. Both moved to dismiss the complaint.

[6] Justice Edgerton, speaking for the court in the Hobart case, pointed out that whether or not the Commissioner was a proper party he was not an adverse party within the meaning of the statute. Although the motion to dismiss was made on the ground that the Commissioner was not a proper party, that question was not decided. Justice Edgerton went on to observe that the Commissioner has not the slightest interest adverse to either rival claimant for a patent; whether one or the other gets a patent "the Commissioner neither gains nor loses." That is true, of course, in all cases arising under section 4915. The Commissioner acts in the public interest; not to protect any interest of his which is adverse to a claimant.

In the Eno case, the question was not whether the Commissioner was a proper party but whether a rival claimant, whose application for registration of a trade-mark had been granted by the Patent Office, was an indispensable party. This court decided that he was; that the complaint should have been dismissed because of his absence; and that the Commissioner in such a case could not be proceeded against alone as sole defendant. That decision, of course, must be limited to its own facts. In explaining the result reached, Justice Edgerton, speaking for the court, said:

". . . the validity of a patent or trade-mark cannot be litigated, as appellant seeks to do here, in a suit to which *its owner* is not a party." [19] [Italics supplied.]

In the present case, appellant was not "a dissatisfied party who has filed opposition to the registration of a trade-mark . . ." as was true in the Eno case; in the present case, unlike the Eno case, the record shows no registration of a trade-mark in favor of an adverse applicant or even an adverse application; in the present case, unlike the Eno case, the record shows no attempt to litigate the validity of a trade-mark "in a suit to which its owner is not a party." The record shows merely that registration of a trade-mark was first approved in favor of appellant, and thereafter, following opposition, registration was refused.

Our conclusion is supported, also, by the decision of the Circuit Court of Appeals for the Third Circuit in *Drackett Co.* v. *Chamberlain Co.*[20] In that case, as in the present case, there was no award by priority between two contesting applicants, but merely a determination by the Patent Office that the trade-mark was nonregistrable. The court held that the Commissioner of Patents was an essential party in a proceeding under section 4915, thereafter commenced by the unsuccessful applicant; and that the opposer in the Patent Office was not an adverse party "within the meaning of section 4915, since there was no ruling that the trade-marks belonged to it."

[7] [8] In this connection it will be noted that section 4915 contains no general limitation against suing the Commissioner. It speaks affirmatively as to when service must be made upon the Commissioner. It says nothing about the propriety of suing the Commissioner, even when there is an opposing party.[21] It is equally proper to join him as a party with others in proceedings under section 9 of the Trade-Mark Act, into which has been integrated the practices and procedures of section 4915. In sharp contrast are proceedings under section 22 of the Trade-Mark Act [22] and under section 4918, R. S.,[23] where, in each case, the Commissioner is not made a party.[24]

[9] The law is, therefore, that the Commissioner is a proper party in all proceedings, properly brought under section 4915, in which the public interest is involved because of the necessity of determining whether it is the duty of the Commissioner to grant a patent or register a trade-mark. In the present case he is a proper party and his motion should have been denied.

Reversed.

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[4] See *Radtke Patents Corp.* v. *Coe*, (No. 7577, decided June 30, 1941) 74 App. D. C. —, —, 122 F.(2d) 937, —, and authorities cited in n. 52. See also, *Veaux* v. *Southern Oregon Sales, Inc.*, 33 F. Supp. 605, 610.

[5] *Grant* v. *Raymond*, 6 Pet. [U. S.] 218, 241–243; *Dr. Miles Medical Co.* v. *John D. Park & Sons Co.*, 220 U. S. 373, 401; *Woodbridge* v. *United States*, 263 U. S. 50, 55; *Dennis* v. *Piner*, 7 Cir., 106 F.(2d) 142, 144, cert. denied, 308 U. S. 606. Cf. *Pennock* v. *Dialogue*, 2 Pet. [U. S.] 1, 19; *Vamore* v. *Improta*, 58 App. D. C. 130, 135, 25 F.(2d) 918, 923; *Four Roses Products Co.* v. *Small Grain Distilling & Drug Co.*, 58 App. D. C. 299, 300, 29 F.(2d) 959, 960, 378 O. G. 506. Cf. also, *Veaux* v. *Southern Oregon Sales, Inc.*, 33 F. Supp. 605, 610; Townsend, The Protection of Intellectual Property at International Expositions, 2 Calif. L. Rev. 291, 302–303; H. A. Toulmin, Jr., Invention and the Law (1936) 20.

[6] *Four Roses Products Co.* v. *Small Grain Distilling & Drug Co.*, 58 App. D. C. 299, 300, 29 F.(2d) 959, 960, 378 O. G. 506.

[7] *Gandy* v. *Marble*, 122 U. S. 432, 439, 39 O. G. 1423.

[8] Trade-Mark Act of February 20, 1905, 33 Stat. 727, 15 U. S. C. A. § 89; *United States ex rel. The Baldwin Co.* v. *Robertson*, 265 U. S. 168, 179; 327 O. G. 5; *Hygienic Products Co.* v. *Coe*, 66 App. D. C. 98, 99, 85 F.(2d) 264, 265. See *Pennzoil Co.* v. *Hercules Powder Co.*, 25 C. C. P. A. 968, 970, 95 F.(2d) 339, 341, 494 O. G. 243.

[9] *American Steel & Wire Co.* v. *Coe*, 70 App. D. C. 138, 140, 105 F.(2d) 17, 19, 504 O. G. 847. See *General Talking Pictures Corp.* v. *American Tri-Ergon Corp.*, 3 Cir., 96 F.(2d) 800, 812; *Globe-Union, Inc.* v. *Chicago Tel. Supply Co.*, 7 Cir., 103 F.(2d) 722, 724; *Nichols* v. *Minnesota Min. & Mfg. Co.*, 4 Cir., 109 F.(2d) 162, 166.

[10] *Butterworth* v. *United States ex rel. Hoe*, 112 U. S. 50, 61, 29 O. G. 615; *Gandy* v. *Marble*, 122 U. S. 432, 439, 39 O. G. 1423.

[11] 35 U. S. C. A. § 63: ". . . In all cases where there is no opposing party a copy of the bill shall be served on the Commissioner; . . ."

[12] (No. 7577, decided June 30, 1941) 74 App. D. C. —, 122 F.(2d) 937.

[13] *Hill* v. *Wooster*, 132 U. S. 693, 698, 50 O. G. 560.

[14] Cf. 35 U. S. C. A. § 63.

[15] *Gandy* v. *Marble*, 122 U. S. 432, 439, 39 O. G. 1423; *Cleveland Trust Co.* v. *Berry*, 6 Cir., 99 F.(2d) 517, 520.

[16] 70 App. D. C. 2, 102 F.(2d) 270, 502 O. G. 3.

[17] 70 App. D. C. 337, 106 F.(2d) 858, 506 O. G. 530.

[18] Act of March 3, 1927, 44 Stat. 1394, 35 U. S. C. A. § 72*a*.

[19] 70 App. D. C. 337, 338, 106 F.(2d) 858, 859, 506 O. G. 530.

[20] 81 F.(2d) 866, 867. See also, *Century Distilling Co.* v. *Continental Distilling Co.*, 3 Cir., 106 F.(2d) 486, where the same court said: (p. 489) "The Examiner of Trade-Mark Interferences, and the Commissioner of Patents, on appeal, sustained the appellee's oppositions, and adjudged that the appellant's trade-marks were confusingly similar to the appellee's admittedly prior registered trade-marks." (p. 488) "In this case there was an opposing party. The defendant had filed an opposition to the registration of the contested trade-marks before the Examiner of Interferences in the Patent Office. It had continued its opposition when an appeal was taken and prosecuted by the plaintiff to the Commissioner of Patents, who affirmed the decision of the Examiner of Interferences; and it also filed an answer to the proceedings in equity under section 4915 before the court below."

[21] Cf. *United States ex rel. The Baldwin Co.* v. *Robertson*, 265 U. S. 168; 327 O. G. 5; *American Steel Foundries* v. *Robertson*, 262 U. S. 209; 324 O. G. 963; *Vermont Farm Machine Co.* v. *Marble*, C. C. D. Vt., 20 F. 117; *Bernardin* v. *Northall*, C. C. D. Ind., 77 F. 849; *Richards* v. *Moissner*, C. C. W. D. Mo., 163 F. 957, appeal dismissed, 178 F. 1004; *Lewis Blind Stitch Co.* v. *Arbetter Felling Mach. Co.*, C. C. N. D. Ill., 181 F. 974. But cf. *Gold* v. *Gold*, C. C. S. D. N. Y., 181 F. 544, aff'd, 187 F. 273.

[22] 15 U. S. C. A. § 102.

[23] 35 U. S. C. A. § 66.

[24] *United States ex rel. The Baldwin Co.* v. *Robertson*, 327 O. G. 5, 265 U. S. 168, 181; "The argument is made that § 9 should not be held to authorize the use of a suit in equity for all of the four cases in which appeals are provided to the court of appeals from the Commissioner and are unsuccessful, because by § 22 of the same act there is a special provision for a remedy in equity where there are interfering registered trade-marks. It is said this excludes the inference that such a remedy is also provided in § 9, on the principle expressio unius exclusio alterius. An examination of § 22 shows that it refers to an independent suit between claimants of trade-marks both of which have already been registered. The Commissioner is not a party to such litigation but is subject to the decree of the court after it is entered. It is just like the proceeding in § 4918 to settle controversies between interfering patents already granted by the Patent Office. Section 9 of the Trade-Mark Act is wider than § 22 in its scope. It includes one who applies for registration of an unregistered trade-mark which interferes with one already registered."

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

Re. 20,945, F. Bedell, Device for indicating oscillograph curves as stationary, D. C., N. D. Ill., E. Div., Doc. 3125, *General Radio Co.* v. *Triumph Mfg. Co.* By stipulation suit dismissed without prejudice Nov. 27, 1941.

Des. 104,138, D. A. Grandinetti, A combined fruit and vegetable expresser and strainer, D. C., N. D. N. Y., Doc. E 3089, *V. G. Bourguin et al.* v. *D. A. Grandinetti.* Patent held valid Jan. 2, 1942.

Des. 108,875, B. B. Friedman, Child's combined sleeping bag and carriage cover, D. C., S. D. N. Y., Doc. 11/59, *New Mode Infant's Wear Co., Inc., et al.* v. *Gotham Infant Wear Co.* Dismissed for lack of prosecution (notice Nov. 23, 1941).

Des. 110,515, I. Elster, Slip, D. C., S. D. N. Y., Doc. 12/188, *I. Elster* v. *Harwood Mfg. Co.* Judgment dismissing bill (notice Dec. 30, 1941).

Des. 111,583, J. Kay, Advertising sign, D. C., N. D. Ill., E. Div., Doc. 1787, *Ray Flex Corp.* v. *Orange-Crush Co.* Patent held not infringed, bill dismissed for want of equity Nov. 7, 1941.

Des. 111,832, T. Coleman, Dress, D. C., S. D. N. Y., Doc. 1/259, *A. S. Gross, Inc.*, v. *Town Mise, Inc.* Dismissed for lack of prosecution Dec. 23, 1941.

Des. 114,395, L. W. Goodkind, Lady's suit, D. C., S. D. N. Y., Doc. 4/62, *Londonderry, Inc.*, v. *Kolbert, Lieberman, Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 114,607, S. Windwer, Dress, (declaratory judgment) D. C., S. D. N. Y., Doc. 4/264, *Mary Muffet, Inc.*, v. *Miller-Windwer Corp. et al.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 119,674, C. Kowalewska, Lace doily, filed Dec. 22, 1941, D. C., N. D. Ill., E. Div., Doc. 3737, *K. K. Products* v. *Lacette Products et al.*

Des. 119,907, M. Rogers, Sweater, D. C., S. D. N. Y., Doc. 9/226, *M. Rogers* v. *Lisle Mills, Inc., B. Altman & Co., Saks & Co.* Stipulation and order of discontinuance Aug. 7, 1940. Dismissed for lack of prosecution Dec. 23, 1941.

Des. 119,912, E. Breer, Dress, D. C., S. D. N. Y., Doc. 9/245, *Musman-Pincus, Inc.*, v. *Betty Lou Juniors, Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941). Doc. 9/457, *Musman-Pincus, Inc.*, v. *Ira Moss & Co., Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 120,436, W. Lampl, Pin, D. C., S. D. N. Y., Doc. 15/136, *W. Lampl* v. *S. H. Kress & Co., Nile Novelty Corp.* Consent judgment (notice Jan. 5, 1942).

Des. 120,597, L. Beilinson, Dress, D. C., S. D. N. Y., Doc. 9/171, *L. & D. Beilinson, Inc.*, v. *Maytime Frocks, Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 120,598, M. Birnbaum, Dress, D. C., S. D. N. Y., Doc. 9/118, *Buntley Frocks, Inc.*, v. *Dandy Dress, Inc.* Consent judgment July 17, 1940. Dismissed for lack of prosecution Dec. 23, 1941.

Des. 121,737, L. J. Coblentz, Handbag, D. C., S. D. N. Y., Doc. 11/159, *Coblentz Bag Co., Inc.*, v. *Roselle Handbag Co., Inc.* Consent judgment (notice Dec. 30, 1941).

Des. 121,977, H. Langbert, Dress, D. C., S. D. N. Y., Doc. 11/22, *Style Trades, Inc.*, v. *Bedford Sportswear, Inc., et al.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 122,076, E. W. Freudenberg, Lace trimming, D. C., S. D. N. Y., Doc. 13/313, *E. W. Freudenberg et al.* v. *Sol Wolfman, Inc.* Consent judgment (notice Jan. 5, 1942).

Des. 122,352, S. Ancell, Dress, D. C., S. D. N. Y., Doc. 10/355, *S. Disick, Inc.*, v. *Merry Miss Frocks, Inc.* Doc. 10/357, *S. Disick, Inc.*, v. *Gary Junior, Inc.* Doc. 10/358, *S. Disick, Inc.*, v. *Fame Dress Co.* Dismissed for lack of prosecution (notice Dec. 23, 1941) in each of above cases.

Des. 122,373, M. M. Levine, Dress, D. C., S. D. N. Y., Doc. 10/397, *Mike Levine, Inc.*, v. *Sidmont Frocks, Inc.* Dismissed for lack of prosecution (notice Dec. 23, 1941).

Des. 122,761, I. Pichel, Handbag, D. C., S. D. N. Y., Doc. 11/410, *Pichel, Inc.*, v. *Roselle Handbag Co., Inc.* Consent judgment (notice Dec. 30, 1941).

Des. 129,843, M. Boucher, Pin, filed Dec. 15, 1941, D. C., S. D. N. Y., Doc. 16/495, *Marcel Boucher et al.* v. *Reinad Novelty Co., Inc.* Consent judgment (notice Jan. 5, 1942).

Des. 130,862, J. H. Abt, Textile fabric, filed Dec. 26, 1941, D. C., S. D. N. Y., Doc. 17/50, *Deering Milliken & Co., Inc.*, v. *A. L. Goldfine, Inc.*

T. M. 57,887, *Folmer & Schwing*, Photographic cameras, D. C., N. D. Ill., E. Div., Doc. 2558, *The Folmer Graflex Corp.* v. *Superior Bulk Film Co.* Consent decree holding trade-mark and renewal valid and infringed, injunction Oct. 1, 1941.

T. M. 89,282, J. H. Meyer, Artificial pearls, D. C., N. D. Ill., E. Div., Doc. 3355, *Jos. H. Meyer Bros.* v. *Gaines & Gaines.* Trade-mark held infringed, injunction Nov. 5, 1941.

T. M. 95,739, H. A. Budd, Certain named clothing; T. M. 98,473, same, Neckties, scarfs, jabots, belts, etc., filed Nov. 17, 1941, D. C., S. D. Fla. (Miami), Doc. 603–M, *Budd, Ltd.*, v. *Budd's of Miami Beach, Inc.*

T. M. 98,473. (See T. M. 95,739.)

T. M. 144,278, P. J. Shouvlin, Internal-combustion engines, both portable and stationary and combined with pumps, and certain pumps, D. C., N. D. Ill., E. Div., Doc. 2061, *The National Supply Co.* v. *Superior Diesel Sales, Inc., et al.* Restraining order Nov. 21, 1941.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,148,722, R. W. Baily, Submersible vibrator, decided November 24, 1941, claims 1, 2, and 15.

Pat. 2,159,792, Max Geiger, Relaxation oscillation generator, decided November 26, 1941, claims 1, 3, and 5.

Trade-Mark Registrations Canceled

229,173. Men's and boys' hats and caps. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Registered June 21, 1927. Canceled November 28, 1941.

249,521. Certain named foods. Kerr Products Company, Inc., Sacramento, Calif. Registered November 13, 1928. Canceled Oct. 24, 1941.

310,469. Disinfectants. Montana Aktiengesellschaft, Strehla, Germany. Registered February 27, 1934. Canceled November 7, 1941.

341,174. Automatic coal stokers. Illinois Iron & Bolt Co., Carpentersville, Ill. Registered December 1, 1936. Canceled November 7, 1941.

375,346. Undergarments. P. H. Hanes Knitting Company, Winston-Salem, N. C. Registered February 13, 1940. Canceled November 28, 1941.

380,633. Fresh vegetables. Strazzulla Brothers, Inc., Boston, Mass. Registered August 27, 1940. Canceled October 24, 1941.

386,618. Maltless nonalcoholic carbonated beverage. General Beverage Company, Detroit, Mich. Registered April 15, 1941. Canceled October 24, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 10, 1942

393,348. PORTLAND CEMENT. UNITED CO-OPERATIVES, INC., Indianapolis, Ind.
Filed July 17, 1940. Serial No. 434,092. PUBLISHED NOVEMBER 5, 1940. Class 12.

393,349. FINGER RINGS WITH PRECIOUS AND SEMI-PRECIOUS STONES. UNTERMEYER, ROBBINS & Co., New York, N. Y.
Filed August 23, 1940. Serial No. 435,327. PUBLISHED DECEMBER 2, 1941. Class 28.

393,350. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS AND CONCENTRATES FOR MAKING SUCH BEVERAGES. THE MIL-K-BOTL CORPORATION OF AMERICA, St. Louis, Mo.
Filed September 28, 1940. Serial No. 436,477. PUBLISHED NOVEMBER 26, 1940. Class 45.

393,351. PNEUMATIC-HYDRAULIC CYLINDERS FOR OPERATING CHUCKS, VALVES, PRESSES, FEEDS, DESIGNED AND INTENDED TO BE USED WITH MACHINE TOOLS. LOGANSPORT MACHINE, INC., Logansport, Ind.
Filed November 28, 1940. Serial No. 438,313. PUBLISHED JULY 8, 1941. Class 23.

393,352. WAX POLISH AND CLEANER FOR VENETIAN BLINDS. WINDSOR WAX CO., INC., New York, N. Y.
Filed January 9, 1941. Serial No. 439,529. PUBLISHED NOVEMBER 25, 1941. Class 16.

393,353. MIXED FEEDS FOR POULTRY, STOCK AND DOMESTIC ANIMALS. TERMINAL GRAIN COMPANY, Fort Worth, Tex.
Filed February 3, 1941. Serial No. 440,272. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,354. MIXED FEEDS FOR POULTRY, STOCK AND DOMESTIC ANIMALS. TERMINAL GRAIN COMPANY, Fort Worth, Tex.
Filed February 3, 1941. Serial No. 440,273. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,355. CHEESE. HANS R. HOFMANN, Jackson Heights, N. Y.
Filed March 8, 1941. Serial No. 441,357. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,356. PIANOS AND ORGANS. WINTER & Co., New York, N. Y.
Filed March 31, 1941. Serial No. 442,155. PUBLISHED DECEMBER 2, 1941. Class 36.

393,357. MATCHES. WEST VIRGINIA MATCH CORP., Wheeling, W. Va.
Filed April 11, 1941. Serial No. 442,510. PUBLISHED DECEMBER 2, 1941. Class 9.

393,358. FINGER RINGS. J. R. WOOD & SONS, INC., New York, N. Y.
Filed April 29, 1941. Serial No. 443,098. PUBLISHED NOVEMBER 25, 1941. Class 28.

393,359. SLIDE FASTENERS. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed April 30, 1941. Serial No. 443,149. PUBLISHED DECEMBER 2, 1941. Class 13.

393,360. COTTON BATTING WHICH HAS BEEN TREATED TO RENDER IT ACTIVELY ANTISEPTIC. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed May 1, 1941. Serial No. 443,165. PUBLISHED NOVEMBER 25, 1941. Class 1.

393,361. CERAMIC FIGURINES. THE AMERICAN GOLDSCHEIDER CORPORATION, Trenton, N. J.
Filed May 2, 1941. Serial No. 443,179. PUBLISHED NOVEMBER 25, 1941. Class 50.

393,362. CHEESE-COATED FOOD PRODUCT IN THE FORM OF CURLS, MANUFACTURED FROM CORN MEAL AND OTHER INGREDIENTS. ELMER CANDY CO. INC., New Orleans, La.
Filed May 20, 1941. Serial No. 443,716. PUBLISHED DECEMBER 2, 1941. Class 46.

393,363. BOND AND LEDGER PAPER. THE REYNOLDS & REYNOLDS COMPANY, Dayton, Ohio.
Filed May 28, 1941. Serial No. 444,014. PUBLISHED DECEMBER 2, 1941. Class 37.

393,364. CHICKEN, FRIED OR COOKED, AND MEALS OR LUNCHEONS INCLUDING PREPARED CHICKEN. THAD WILSON, Gary, Ind.
Filed May 29, 1941. Serial No. 444,061. PUBLISHED DECEMBER 2, 1941. Class 46.

393,365. CANNED ASPARAGUS, WATER CHESTNUTS, SOYA BEAN CURDS, SOYA BEAN MILK, CHOP SUEY, CHOW MEIN, ETC. LEO D. SOHN, doing business as Great Eastern Industrial Co., Los Angeles, Calif.
Filed May 31, 1941. Serial No. 444,101. PUBLISHED DECEMBER 2, 1941. Class 46.

393,366. CANNED TOMATOES, CANNED CREAM STYLE WHITE SWEET CORN, CANNED FRUIT COCKTAIL, CANNED TOMATO AND VEGETABLE SOUP, AND CANNED BEANS WITH PORK. JEWEL TEA CO., INC., also doing business as Jewel Food Stores, Chicago, Ill.
Filed June 12, 1941. Serial No. 444,455. PUBLISHED DECEMBER 2, 1941. Class 46.

393,367. LEATHER CIGARETTE CASES, TOBACCO POUCHES, AND PIPE HOLDERS. BELVIDERE STRAP CO. INC., New York, N. Y.; now by change of name Belvidere, Inc., a corporation of New York.
Filed June 20, 1941. Serial No. 444,695. PUBLISHED NOVEMBER 25, 1941. Class 8.

393,368. ALL CLAM PRODUCTS—NAMELY, CLAM BROTH PACKED IN GLASS CONTAINERS, CLAMS, CLAM JUICE, CLAM STEW, CLAM CHOWDER, CLAM COCKTAIL, AND MINCED CLAMS PACKED IN TINS. THE DOXSEE COMPANY, INC., Brooklyn, N. Y.
Filed June 27, 1941. Serial No. 444,901. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,369. MUSTARD. OLD DUTCH MUSTARD COMPANY, INC., Brooklyn, N. Y.
Filed June 28, 1941. Serial No. 444,942. PUBLISHED OCTOBER 14, 1941. Class 46.

393,370. REPAIR LINKS FOR CHAINS. ST. PIERRE CHAIN CORPORATION, Worcester, Mass.
Filed July 9, 1941. Serial No. 445,215. PUBLISHED DECEMBER 2, 1941. Class 13.

393,371. FATTY COMPOSITION TO BE ADDED TO LARD TO IMPROVE ITS KEEPING QUALITIES, COMPRISING PRINCIPALLY EDIBLE LARD STEARINE AND LECITHIN. THE GRIFFITH LABORATORIES, INC., also doing business as The Griffith Laboratories, Chicago, Ill.
Filed July 28, 1941. Serial No. 445,692. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,372. SOLVENT—NAMELY, A TOLUOL SUBSTITUTE USED AS A SOLVENT AND DILUENT IN THE PREPARATION OF PAINTS, VARNISHES, LACQUERS, AND ENAMELS. THE NEVILLE COMPANY, Pittsburgh, Pa.
Filed July 31, 1941. Serial No. 445,831. PUBLISHED NOVEMBER 25, 1941. Class 16.

393,373. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed August 1, 1941. Serial No. 445,851. PUBLISHED DECEMBER 2, 1941. Class 46.

393,374. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed August 1, 1941. Serial No. 445,852. PUBLISHED DECEMBER 2, 1941. Class 46.

393,375. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed August 1, 1941. Serial No. 445,853. PUBLISHED DECEMBER 2, 1941. Class 46.

393,376. TUBES FOR OIL FILTER CONNECTIONS. FRAM CORPORATION, East Providence, R. I.
Filed August 5, 1941. Serial No. 445,983. PUBLISHED DECEMBER 2, 1941. Class 35.

393,377. PUDDING POWDER, PIE FILLING, AND A PREPARATION FOR USE IN FROSTINGS, IN FUDGE, IN SAUCES, AND IN ICE CREAM. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed August 13, 1941. Serial No. 446,192. PUBLISHED OCTOBER 14, 1941. Class 46.

393,378. READY MIXED PAINTS. DUPLI-COLOR PRODUCTS COMPANY, Chicago, Ill.
Filed August 13, 1941. Serial. No. 446,194. PUBLISHED DECEMBER 2, 1941. Class 16.

393,379. MILK. ANNA E. RUSSELL, Bethlehem, Conn.
Filed August 16, 1941. Serial No. 446,306. PUBLISHED DECEMBER 2, 1941. Class 46.

393,380. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed August 21, 1941. Serial No. 446,409. PUBLISHED NOVEMBER 25, 1941. Class 17.

393,381. LEATHER USED IN THE MANUFACTURE OF SUITCASES, TRUNKS, BAGS, AND SIMILAR GOODS IN THE LUGGAGE FIELD. J. GREENEBAUM TANNING COMPANY, Chicago, Ill.
Filed August 22, 1941. Serial No. 446,455. PUBLISHED NOVEMBER 25, 1941. Class 1.

393,382. FRESH DECIDUOUS FRUITS AND VEGETABLES. M. YOSHITSU, doing business as United Distributing Company, Los Angeles, Calif.
Filed August 23, 1941. Serial No. 446,510. PUBLISHED DECEMBER 2, 1941. Class 46.

393,383. PAINTS FOR METAL, WOOD, MASONRY, AND LIKE SURFACES, THE PAINTS BEING IN READY-MIXED FORM ALTHOUGH LINSEED OIL, TURPENTINE, AND THE LIKE MAY BE ADDED IF DESIRED. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 29, 1941. Serial No. 446,674. PUBLISHED DECEMBER 2, 1941. Class 16.

393,384. COAL. CARNEGIE DOCK & FUEL COMPANY, Minneapolis, Minn.
Filed August 30, 1941. Serial No. 446,690. PUBLISHED DECEMBER 2, 1941. Class 1.

393,385. BUTTER. FREDERICK F. LOWENFELS & SON, New York, N. Y.
Filed August 30, 1941. Serial No. 446,700. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,386. FROZEN CONFECTIONS SUCH AS ICE CREAM, ICE-MILK, AND WATER ICES. VITAFREZE CORPORATION, Sacramento, Calif.
Filed September 3, 1941. Serial No. 446,770. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,387. PICKLES. ALEXANDER ROSENBERG, doing business as Dutch Cheese Importers Co., New York, N. Y.
Filed September 5, 1941. Serial No. 446,814. PUBLISHED DECEMBER 2, 1941. Class 46.

393,388. CHEWING GUM. ALEC BESSO, doing business as American Food Products Company, New York, N. Y.
Filed September 8, 1941. Serial No. 446,856. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,389. FERTILIZER. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed September 8, 1941. Serial No. 446,861. PUBLISHED NOVEMBER 25, 1941. Class 10.

393,390. GROCERS' PRODUCTS—NAMELY, MAYONNAISE, TOMATO SAUCE, CANNED PEAS, CANNED CORN, CANNED FRUIT JUICES, CANNED TOMATOES, CANNED SPINACH. B. GREEN & Co., Baltimore, Md.
Filed September 8, 1941. Serial No. 446,871. PUBLISHED DECEMBER 2, 1941. Class 46.

393,391. ICE CREAM. HOMER'S ICE CREAM COMPANY, Wilmette, Ill.
Filed September 8, 1941. Serial No. 446,875. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,392. CANNED OLIVE OIL. TOMMASO MATRANGA, doing business as Dingoli Importing Co., New York, N. Y.
Filed September 8, 1941. Serial No. 446,884. PUBLISHED DECEMBER 2, 1941. Class 46.

393,393. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, AND LIMES. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla.
Filed September 9, 1941. Serial No. 446,929. PUBLISHED DECEMBER 2, 1941. Class 46.

393,394. PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed September 10, 1941. Serial No. 446,947. PUBLISHED DECEMBER 2, 1941. Class 37.

393,395. ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, ETC. TOMLINSON OF HIGH POINT, High Point, N. C.
Filed September 10, 1941. Serial No. 446,957. PUBLISHED DECEMBER 2, 1941. Class 32.

393,396. BOOK MATCHES. RAY O. DOROW, Wauwatosa, Wis.
Filed September 11, 1941. Serial No. 446,965. PUBLISHED NOVEMBER 25, 1941. Class 9.

393,397. BEDROOM FURNITURE—NAMELY, DRESSERS, CHESTS, VANITIES, BEDS, CHESTS ON CHESTS, CHEST DESKS, CHEST ROBES, HIGH BOYS, LOW BOYS, NIGHT TABLES, CHAIRS, STOOLS, AND BENCHES. CHAUTAUQUA CABINET COMPANY, doing business under the name "Kling Factories," Mayville, N. Y.
Filed September 12, 1941. Serial No. 446,989. PUBLISHED DECEMBER 2, 1941. Class 32.

393,398. DILL PICKLES, SOUR PICKLES, SWEET CHOW CHOW, SOUR CHOW CHOW, SOUR MIXED PICKLES, ETC. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed September 12, 1941. Serial No. 447,006. PUBLISHED DECEMBER 2, 1941. Class 46.

393,399. FRESH MELONS. JOHN A. WOOD, doing business as J. A. Wood & Sons, Walnut and Mira Loma, Calif.
Filed September 12, 1941. Serial No. 447,009. PUBLISHED DECEMBER 2, 1941. Class 46.

393,400. WOOD ENCASED LEAD PENCILS. EAGLE PENCIL COMPANY, New York, N. Y.
Filed September 13, 1941. Serial No. 447,013. PUBLISHED NOVEMBER 25, 1941. Class 37.

393,401. FRESH CITRUS FRUITS. HELEN ENGELMAN, Elsa, Tex.
Filed September 13, 1941. Serial No. 447,014. PUBLISHED DECEMBER 2, 1941. Class 46.

393,402. FRESH CITRUS FRUITS. HELEN ENGELMAN, Elsa, Tex.
Filed September 13, 1941. Serial No. 447,015. PUBLISHED DECEMBER 2, 1941 Class 46

393,403. FRESH CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES. HELEN ENGELMAN, doing business as Engelman Products Company, Elsa, Tex.
Filed September 13, 1941. Serial No. 447,016. PUBLISHED DECEMBER 2, 1941. Class 46.

393,404. FRESH CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES. HELEN ENGELMAN, doing business as Engelman Products Company, Elsa, Tex.
Filed September 13, 1941. Serial No. 447,017. PUBLISHED DECEMBER 2, 1941. Class 46.

393,405. ADJUSTABLE DRESS STAND FOR DRESSMAKERS. FRANK S. SANDER, New York, N. Y.
Filed September 16, 1941. Serial No. 447,077. PUBLISHED NOVEMBER 25, 1941. Class 50.

393,406. SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS. KAUFMANN BROS. & BONDY, INC., West New York, N. J.
Filed September 17, 1941. Serial No. 447,104. PUBLISHED NOVEMBER 25, 1941. Class 8.

393,407. WATERPROOF FABRIC USED FOR SHOWER CURTAINS, SHEETS, AND RAINCOATS. J. W. GEIGER & Co., New York, N. Y.
Filed September 18, 1941. Serial No. 447,127. PUBLISHED NOVEMBER 25, 1941. Class 50.

393,408. FACIAL TISSUES. THE SITROUX COMPANY, INC., New York, N. Y.
Filed September 19, 1941. Serial No. 447,195. PUBLISHED DECEMBER 2, 1941. Class 37.

393,409. GAME BOARD OR CHART IN PAD FORM TO BE PLAYED WITH PENCIL, ETC. BENVENUTO ZABBAN AND VINCENT ZITO, New York, N. Y.
Filed September 23, 1941. Serial No. 447,282. PUBLISHED DECEMBER 2, 1941. Class 22.

393,410. VENETIAN TYPE METAL AWNINGS. CLEANER'S SPECIALTIES, INC., Kansas City, Mo.
Filed September 27, 1941. Serial No. 447,362. PUBLISHED DECEMBER 2, 1941. Class 32.

393,411. CANDY AND CANDY BARS. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed September 29, 1941. Serial No. 447,390. PUBLISHED DECEMBER 2, 1941. Class 46.

393,412. RAZORS AND RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed October 2, 1941. Serial No. 447,477. PUBLISHED DECEMBER 2, 1941. Class 23.

393,413. TABLE SYRUP. THE SOUTH COAST CORPORATION, New Orleans, La.
Filed October 2, 1941. Serial No. 447,494. PUBLISHED DECEMBER 2, 1941. Class 46.

393,414. TABLE SYRUP. THE SOUTH COAST CORPORATION, New Orleans, La.
Filed October 2, 1941. Serial No. 447,495. PUBLISHED DECEMBER 2, 1941. Class 46.

393,415. INSTANT COFFEE PREPARATION. AL-MO-CO CORPORATION, Cincinnati, Ohio.
Filed October 6, 1941. Serial No. 447,552. PUBLISHED DECEMBER 2, 1941. Class 46.

393,416. INTERNAL COMBUSTION ENGINES; AUTOMATIC PRIMING CENTRIFUGAL PUMPS (DRY VACUUM TYPE); ETC. DOMESTIC ENGINE & PUMP COMPANY, Shippensburg, Pa.
Filed October 6, 1941. Serial No. 447,558. PUBLISHED DECEMBER 2, 1941. Class 23.

393,417. FRESH CITRUS FRUIT. HAINES CITY CITRUS GROWERS ASSOCIATION, Haines City, Fla.
Filed October 7, 1941. Serial No. 447,591. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,418. FRESH CITRUS FRUIT. HAINES CITY CITRUS GROWERS ASSOCIATION, Haines City, Fla.
Filed October 7, 1941. Serial No. 447,592. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,419. CANDY BARS. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed October 8, 1941. Serial No. 447,622. PUBLISHED DECEMBER 2, 1941. Class 46.

393,420. FRESH CELERY. PALMER FARMS GROWERS COOPERATIVE ASSOCIATION, Sarasota, Fla.
Filed October 9, 1941. Serial No. 447,638. PUBLISHED NOVEMBER 25, 1941. Class 46.

393,421. MIXED MANILA AND SISAL ROPE. THE E. T. RUGG COMPANY, Newark, Ohio.
Filed October 9, 1941. Serial No. 447,639. PUBLISHED DECEMBER 2, 1941. Class 7.

393,422. FULL DENTURES, PARTIAL DENTURES, AND FOR A RESIN COMPOUND FOR MANUFACTURING DENTURES. HENRY P. BOOS, doing business as Henry P. Boos Dental Laboratories, Minneapolis, Minn.
Filed October 10, 1941. Serial No. 447,654. PUBLISHED DECEMBER 2, 1941. Class 44.

393,423. PHOTOGRAPHIC PRINT ROLLERS, SWIVEL TOPS FOR APPLICATION TO CAMERA TRIPODS AND DARKROOM APRONS. RAYGRAM CORPORATION, New York, N. Y.
Filed October 10, 1941. Serial No. 447,670. PUBLISHED DECEMBER 2, 1941. Class 26.

393,424. ELECTRIC OUTLET BOX HANGERS, METER BOXES, CONNECTION BLOCKS, SWITCHES, AND TRANSFORMER HOUSINGS. F. D. KEES MANUFACTURING COMPANY, Beatrice, Nebr.
Filed October 15, 1941. Serial No. 447,811. PUBLISHED DECEMBER 2, 1941. Class 21.

393,425. PAPER BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed October 18, 1941. Serial No. 447,903. PUBLISHED DECEMBER 2, 1941. Class 2.

393,426. GAME COMPRISING A GAME BOARD WITH SUITABLE PLAYFIELD THEREON AND SETS OF COUNTERS HAVING DIFFERENT VALUES IN PLAY. JAMES E. HAWKINS, Spokane, Wash.
Filed October 20, 1941. Serial No. 447,942. PUBLISHED DECEMBER 2, 1941. Class 22.

TRADE-MARK REGISTRATIONS RENEWED

19,444. **REPRESENTATION OF A WREATH AND A CROWN.** WHISKEY. Registered May 5, 1891. KINAHAN & COMPANY, LIMITED, London, England, and Dublin, Ireland, Re-renewed May 5, 1941, to Bagots, Hutton & Kinahan Limited, Dublin, Eire, a limited liability company of Eire, successor.

19,445. **LL.** WHISKEY. Registered May 5, 1891. KINAHAN & COMPANY, LIMITED, London, England, and Dublin, Ireland, Re-renewed May 5, 1941, to Bagots, Hutton & Kinahan Limited, Dublin, Eire, a limited liability company of Eire, successor.

20,942. **WHITE ROSE.** CANNED VEGETABLES AND FISH. Registered April 5, 1892. SEEMAN BROTHERS. Re-renewed April 5, 1942, to Seeman Brothers, Inc., New York, N. Y., a corporation of New York, assignee.

20,943. **FAMOUS N.** A PREPARATION OF STARCH FOR LAUNDRY OR FOOD PURPOSES. Registered April 5, 1892. THE NATIONAL STARCH MANUFACTURING COMPANY, Covington, Ky., New York, N. Y., and Cincinnati, Ohio. Re-renewed April 5, 1942, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey, assignee.

21,208. **LEA AND PERRINS WORCESTERSHIRE.** A SAUCE FOR MEATS, FISH, GAME, GRAVIES, AND SOUP. Registered May 31, 1892. LEA & PERRINS, Worcester, England. Re-renewed May 31, 1942, to Lea & Perrins, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

143,632. **CHC.** CRACKERS. Registered June 7, 1921. THE HAMPTON CRACKER CO., Madison, Ind. Renewed June 7, 1941, to Consolidated Biscuit Company, Inc., Chicago, Ill., and Louisville, Ky., a corporation of Illinois, successor.

146,265. **MARINE MIDDY TOGS.** GIRLS' AND LADIES' BLOUSES, DRESSES, COATS, AND SMOCKS. Registered September 6, 1921. JACOBS BROTHERS. Renewed September 6, 1941, to Jacobs Brothers, Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

148,074. **X-RAY.** MERCHANDISE ENVELOPS. Registered November 8, 1921. ALEXANDER HERZ. Renewed November 8, 1941, to Alexander Herz Company, Inc., New York, N. Y., a corporation of New York, assignee.

148,739. **RED BAND.** SHINGLES. Registered November 22, 1921. SHULL LUMBER & SHINGLE CO., Seattle, Wash. Renewed November 22, 1941, to Bloedel, Stewart & Welch Limited, Vancouver, British Columbia, Canada, a corporation of British Columbia, successor.

149,339. **MILO.** RUBBER BANDS. Registered December 13, 1921. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., a corporation of New York. Renewed December 13, 1941.

149,368. **DIXIE.** YARNS. Registered December 13, 1921. DIXIE MERCERISING COMPANY, Chattanooga, Tenn., a corporation of Tennessee. Renewed December 13, 1941.

149,512. **STIM-U-PLANT.** PLANT FOOD IN TABLET FORM. Registered December 13, 1921. FRANCIS L. PRUYN, New York, N. Y., and JOHN B. GOLDSBOROUGH, Croton-on-the-Hudson, N. Y., as assignees of Stim-U-Plant Tablet Co., Newark, N. J. Renewed December 13, 1941, to Stim-U-Plant Tablet Company, Ship Bottom, N. J., a firm, assignee by mesne assignments.

149,733. **JAY BEE.** AGRICULTURAL AND MILLING MACHINERY, CONSISTING OF FEED-MILLS, GRINDING-MILLS, CRUSHERS, PULVERIZERS, AND SHREDDERS. Registered December 20, 1921. JAMES B. SEDBERRY, Texarkana, Ark. Renewed December 20, 1941, to J. B. Sedberry, Inc., Utica, N. Y., a corporation of New York, assignee.

149,740. **S.** ROLLED STEEL IN VARIOUS FORMS AND FINISHES. Registered December 20, 1921. THE SUPERIOR SHEET STEEL COMPANY, Louisville, Ohio, a corporation of Ohio. Renewed December 20, 1941.

150,002. **PLANTLAX.** LIVER-TONIC. Registered December 27, 1921. OTTO MAUSERT. Renewed December 27, 1941, to Nature's Herb Company, San Francisco, Calif., a corporation of California, successor.

150,122. **WYROL.** A MINERAL OIL PRIMARILY USED IN THE PREPARATION OF COLD CREAMS. Registered December 27, 1921. STANDARD OIL COMPANY, Bayonne, N. J. Renewed December 27, 1941, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

150,324. **VANIQUE.** CERTAIN NAMED TOILET PREPARATIONS. Registered January 3, 1922. HORACE W. DAVIS, New York, N. Y. Renewed January 3, 1942, to Horace W. Davis, Pittsfield, Mass.

150,364. **MAFALDA.** WOOLEN PIECE GOODS. Registered January 3, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed January 3, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

150,404. **DATALOG.** AN ANNUAL CATALOGUE. Registered January 3, 1922. HOLOPHANE GLASS CO. INC. Renewed January 3, 1942, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

150,405. **FILTERLITE.** GLASS GLOBES AND REFLECTORS FOR ARTIFICIAL LIGHT. Registered January 3, 1922. HOLOPHANE GLASS CO. INC. Renewed January 3, 1942, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

150,459. **DESTROYER.** INSECT EXTERMINATOR. Registered January 3, 1922. LUKE P. MCGUIRE. Renewed January 3, 1942, to Lewis S. Elmer, doing business as Royal Products, Baltimore, Maryland, successor.

150,500. **MISTLETOE.** SWEET MILK, BUTTERMILK, ICE CREAM, POWDERED MILK, SWEET CREAM, CHEESE, AND CONDENSED MILK. Registered January 3, 1922. NISSLEY CREAMERY COMPANY, Fort Worth, Tex. Renewed January 3, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

150,512. **PALATOL.** A TONIC NUTRITIVE AND ALTERATIVE. Registered January 3, 1922. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed January 3, 1942.

150,564. **PAM-PEPTIC.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered January 3, 1922. SHARP & DOHME, Baltimore, Md. Renewed January 3, 1942, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

150,841. **KING OSCAR.** CIGARS. Registered January 10, 1922. JOHN C. HERMAN & COMPANY, Harrisburg, Pa. Renewed January 10, 1942, to John C. Herman & Company, New Cumberland, Pa., a firm.

150,863. **KEYSTONE.** HAIR NETS. Registered January 10, 1922. KEYSTONE HAIR NET IMP. CORP., New York, N. Y. Renewed January 10, 1942, to Peres Katz, doing business as Keystone Hair Net Importing Co., Long Island City, N. Y., successor.

150,969. **TONIDES.** CIGARETTES AND SMOKING TOBACCO. Registered January 10, 1922. THE ROBERT SINCLAIR TOBACCO COMPANY, LIMITED, Newcastle-on-Tyne, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed January 10, 1942.

150,970. **FOURSOME.** SMOKING TOBACCO. Registered January 10, 1922. THE ROBERT SINCLAIR TOBACCO COMPANY, LIMITED, Newcastle-on-Tyne, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed January 10, 1942.

150,982. **COPPERIOR.** ROLLED STEEL SHEETS HAVING A COPPER CONTENT. Registered January 10, 1922. THE SUPERIOR SHEET STEEL COMPANY, Louisville, Ohio, a corporation of Ohio. Renewed January 10, 1942.

151,226. **RIPPLE.** A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP THEREFOR. Registered January 24, 1922. THE RIPPLE CORPORATION, as assignee of Samuel Schusterman, New York, N. Y. Renewed January 24, 1942, to Roy P. Ripple, Tampa, Fla., assignee by mesne assignments.

151,290. **WOOLSEY'S.** CERTAIN NAMED PAINTS, VARNISHES, AND COLORS, AND PAINT PIGMENTS. Registered January 24, 1922. C. A. WOOLSEY PAINT & COLOR COMPANY, Jersey City, N. J. Renewed January 24, 1942, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

151,345. **HIGH LIFE.** MALT SIRUP. Registered January 31, 1922. FRED MILLER BREWING COMPANY. Renewed January 31, 1942, to Miller Brewing Company, Milwaukee, Wis., a corporation of Wisconsin, assignee by mesne assignments.

151,369. **STANDARD.** VARNISHES, PAINT-PIGMENTS, AND CERTAIN NAMED PAINTS AND COLORS. Registered January 31, 1922. C. A. WOOLSEY PAINT & COLOR COMPANY, Jersey City, N. J., Renewed January 31, 1942, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

151,448. **BOYER.** PNEUMATIC CHIPPING AND RIVETING HAMMERS AND DRILLS AND REPAIR PARTS THEREOF. Registered February 7, 1922. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 7, 1942.

151,491. **CLEAR TONE.** TOILET PREPARATION—NAMELY, FACE LOTION. Registered February 7, 1922. EDWARD S. GIVENS. Renewed February 7, 1942, to John T. Kennedy Sales Company, Kansas City, Mo., a corporation of Missouri, assignee.

151,542. **BOULEVARD.** WATCHES, WATCH MOVEMENTS, AND WATCH CASES. Registered February 7, 1922. M. A. MEAD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 7, 1942.

151,552. **MUN KEE.** STAMP PADS FOR INKING, RUBBER STAMPS AND THE LIKE. Registered February 7, 1922. MUN-KEE PRODUCTS CORPORATION, Los Angeles, Calif. Renewed February 7, 1942, to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey, assignee.

151,674. **AQUA-SHED.** WATERPROOF FABRICS. Registered February 14, 1922. FRED S. BENNETT, INC., New York, N. Y., a corporation of New York. Renewed February 14, 1942.

151,702. **ZENITH.** TOOL STEELS IN BARS, BILLETS, AND SHAPES. Registered February 14, 1922. THE CARPENTER STEEL COMPANY, Reading, Pa., a corporation of New Jersey. Renewed February 14, 1942.

151,703. **STAR-ZENITH.** TOOL STEELS IN BARS, BILLETS, AND SHAPES. Registered February 14, 1922. THE CARPENTER STEEL COMPANY, Reading, Pa., a corporation of New Jersey. Renewed February 14, 1942.

151,737. **DIADEM.** CERTAIN NAMED NOTIONS AND FANCY GOODS. Registered February 14, 1922. DIADEM MFG. CO., Fitchburg, Mass. Renewed February 14, 1942, to Diadem Incorporated, Leominster, Mass., a corporation of Massachusetts, successor.

152,164. **WHITE STAR.** SHEETS AND PILLOWCASES AND COTTON GOODS IN THE PIECE. Registered February 21, 1922. THE ERWIN COTTON MILLS COMPANY, West Durham, N. C., a corporation of North Carolina. Renewed February 21, 1942.

152,471. **NORTON.** GRINDING MACHINES AND ATTACHMENTS THERETO. Registered February 28, 1922. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed February 28, 1942.

152,477. **MIRROWAX.** WAXED AND TRANSPARENT PAPERS. Registered February 28, 1922. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass. Renewed February 28, 1942, to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts, successor.

152,486. **REALITE.** LEAD PENCILS. Registered February 28, 1922. REALITE PENCIL CO. Renewed February 28, 1942, to Autopoint Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

152,763. **SERENE.** CIGARS, CIGARETTES, SMOKING AND CHEWING TOBACCO. Registered March 7, 1922. FALK TOBACCO COMPANY, INCORPORATED. Renewed March 7, 1942, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, assignee.

152,775. **FOLGER'S GOLDEN GATE.** COFFEE, TEA, SPICES, MUSTARD, AND FOOD-FLAVORING EXTRACTS. Registered March 7, 1922. J. A. FOLGER & Co., San Francisco, Calif., a corporation of California. Renewed March 7, 1942.

152,931. **KRYSTALLENE.** WAXED AND TRANSPARENT PAPERS. Registered March 7, 1922. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass. Renewed March 7, 1942, to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts, successor.

152,978. **RUTLAND.** A PLASTIC STOVE LINING. Registered March 7, 1922. RUTLAND FIRE CLAY CO., Rutland, Vt., a corporation of Vermont. Renewed March 7, 1942.

153,022. **LA NINFA.** WHEAT FLOUR. Registered March 7, 1922. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Renewed March 7, 1942.

153,094. **SUPERBA.** LEATHER. Registered March 14, 1922. N. A. ALLEN'S SONS COMPANY, Kenosha, Wis. Renewed March 14, 1942, to The United States Leather Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

153,434. **REST-TONE.** FLAT WALL PAINT. Registered March 21, 1922. THE DAYTON COLOR WORKS COMPANY. Renewed March 21, 1942, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

153,505. **BISKWRAP.** WAXED AND TRANSPARENT PAPERS. Registered March 21, 1922. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass. Renewed March 21, 1942, to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts, successor.

153,643. **MILO.** CIGARS, CIGARETTES, SMOKING AND CHEWING TOBACCO. Registered March 14, 1922. M. MELACHRINO CO., INC Renewed March 14, 1942, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, assignee.

153,670. **GIANT GRIFFIN.** GRINDING AND PULVERIZING MILLS. Registered March 28, 1922. BRADLEY PULVERIZER CO. Renewed March 28, 1942, to Bradley Pulverizer Company, Boston, Mass., a corporation of Massachusetts, assignee.

153,761. **RELIANCE.** MEAT MINCERS, MEAT GRINDERS, MEAT CHOPPERS. Registered March 28, 1922. HUSQVARNA VAPENFABRIKS AKTIEBOLAG, Huskvarna, Sweden, a corporation of Sweden. Renewed March 28, 1942.

153,881. **SHIELD.** TOBASCO SAUCE, PEPPERS IN VINEGAR, EXTRACT OF PEPPER, GROUND PEPPER. Registered March 28, 1922. B. F. TRAPPEY, Jeanerette, La. Renewed March 28, 1942, to B. F. Trappey's Sons, Inc., New Iberia, La., a corporation of Louisiana, successor.

154,030. **GF ALLSTEEL.** FILING FOLDERS, PAPER-FILING GUIDES, BINDER FOLDERS, INDEX CARDS, TICKLER SHEETS, AND PAPER LABELS. Registered April 4, 1922. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed April 4, 1942.

154,060. **ECONOMY.** BOOKS FOR KEEPING HOUSEHOLD INVENTORY AND INSURANCE RECORDS AND YEARLY-EXPENSE ACCOUNTS. Registered April 4, 1922. CHARLES W. HOYT, New York, N. Y. Renewed April 4, 1942, to Effie S. Hoyt, Garden City, N. Y., assignee.

154,140. **SORBANOL.** CHEMICAL USED FOR THE TANNING OF HIDES. Registered April 4, 1922. ROHM & HAAS COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed April 4, 1942.

154,175. **GASKETEER.** RECEPTACLES FOR GASKETS. Registered April 4, 1922. VICTOR MANUFACTURING & GASKET COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 4, 1942.

154,203. **DOW.** HOUSE PAINT. Registered April 11, 1922. THE DAYTON COLOR WORKS COMPANY. Renewed April 11, 1942, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

154,470. **ACOMINE.** REFINED VEGETABLE OIL—NAMELY, COCOANUT BUTTER. Registered April 18, 1922. AMERICAN COCOANUT BUTTER COMPANY, Chicago, Ill., and New York, N. Y. Renewed April 18, 1942, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee.

154,471. **MAROKO.** REFINED VEGETABLE OIL MADE PLASTIC—NAMELY, COCOANUT OIL. Registered April 18, 1922. AMERICAN COCOANUT BUTTER COMPANY, Chicago, Ill., and New York, N. Y. Renewed April 18, 1942, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee.

154,472. **ACOMO.** COCOANUT BUTTER. Registered April 18, 1922. AMERICAN COCOANUT BUTTER COMPANY, Chicago, Ill., and New York, N. Y. Renewed April 18, 1942, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee.

154,522. **BUFFALO.** LIQUID GLUCOSE OR CORN SIRUP FOR FOOD PURPOSES, SOLID GLUCOSE OR CORN SUGAR, AND CORNSTARCH. Registered April 18, 1922. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 18, 1942.

154,544. **BROWNIE.** SAFETY RAZORS. Registered April 18, 1922. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed April 18, 1942.

154,655. **BUTTER-NUT.** COFFEE AND TEA. Registered April 18, 1922. PAXTON AND GALLAGHER CO., Omaha, Nebr., a corporation of Nebraska. Renewed April 18, 1942.

154,717. **KEWPIE.** FRESH GRAPES. Registered April 18, 1922. TRACY-WALDRON FRUIT COMPANY, Lodi, Calif. Renewed April 18, 1942, to L. M. Tracy, Salinas, Calif., successor.

154,782. **CORONA.** COAL. Registered May 9, 1922. CORONA COAL COMPANY. Renewed May 9, 1942, to De Bardeleben Coal Corporation, Birmingham, Ala., a corporation of Delaware, assignee.

154,885. **BRITTAINS LIMITED 630.** CERTAIN NAMED PAPERS. Registered May 16, 1922. BRITTAINS, LIMITED, Township of Cheddleton, England. Renewed May 16, 1942, to Brittains, Limited, Cheddleton, near Leek, England, a British corporation.

154,887. **REPRESENTATION OF A BULLDOG.** NEWSPRINT PAPER. Registered May 16, 1922. BROMPTON PULP & PAPER COMPANY, LIMITED, Montreal, Quebec, Canada, a corporation of the Dominion of Canada. Renewed May 16, 1942.

154,915. **BLAK-EN-AL.** BLACK READY-MIXED PAINT. Registered May 16, 1922. THE DAYTON COLOR WORKS COMPANY. Renewed May 16, 1942, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

154,947. **CHESTERFIELD.** SAFETY RAZORS. Registered May 16, 1922. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed May 16, 1942.

154,948. **CHIPPENDALE.** SAFETY RAZORS. Registered May 16, 1922. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed May 16, 1942.

154,949. **RICHWOOD.** SAFETY RAZORS. Registered May 16, 1922. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed May 16, 1942.

155,107. **SUNLIGHT.** READY-MIXED PAINTS. Registered May 16, 1922. UNITED STATES GUTTA PERCHA PAINT COMPANY, Saco, Maine, and Providence, R. I. Renewed May 16, 1942, to United States Gutta Percha Paint Company, Providence, R. I., a corporation of Rhode Island, assignee.

155,128. **TI-TALL.** READY-MIXED ROOFING PAINT, WATERPROOFING PAINT, FILLERS, AND VARNISHES. Registered May 16, 1922. C. A. WOOLSEY PAINT & COLOR COMPANY, Jersey City, N. J. Renewed May 16, 1942, to C. A. Woolsey Paint & Color Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

155,192. **AMERICAN.** CERTAIN NAMED LAUNDRY APPLIANCES AND MACHINES. Registered May 23, 1922. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood, Ohio, a corporation of Ohio. Renewed May 23, 1942.

155,207. **630.** CERTAIN NAMED PAPERS. Registered May 23, 1922. BRITTAINS, LIMITED, Cheddleton, England. Renewed May 23, 1942, to Brittains, Limited, Cheddleton, near Leek, England, a British corporation.

155,298. **LINWEAVE.** CERTAIN NAMED PAPER AND STATIONERY. Registered May 23, 1922. UNITED STATES ENVELOPE COMPANY, Springfield, Mass., a corporation of Maine. Renewed May 23, 1942.

155,480. **LUSTRE.** PIECE GOODS—NAMELY, CAMBRIC. Registered May 30, 1922. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 30, 1942.

155,516. **RESTWEL.** CERTAIN-NAMED BEDDING, AND CUSHIONS, AND BEDSTEADS, UPHOLSTERY SPRINGS, AND BED-SPRINGS. Registered May 30, 1922. THE ROBINSON-RODERS CO., INC., Newark, N. J. Renewed May 30, 1942, to Burton-Dixie Corporation Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

155,526. **S.** CERTAIN NAMED ARTICLES OF JEWELRY AND PRECIOUS-METAL WARE. Registered May 30, 1922. SIMONS BROS. COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 30, 1942.

155,547. **REPRESENTATION OF A FEATHER DESIGN.** PLAYING CARDS. Registered May 30, 1922. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed May 30, 1942.

155,558. **ACETAPHEN.** A MEDICINE IN TABLET FORM CONTAINING TWO GRAINS OF ACETPHENETIDIN, THREE GRAINS OF ACETYLSALICYLIC ACID, AND ONE-HALF GRAIN OF CAFFEINE. Registered May 30, 1922. WILLIAM R. WARNER & CO. INC., Wilmington, Del., New York, N. Y. and St. Louis, Mo. Renewed May 30, 1942, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

155,596. **AFC.** FEATHERSTITCH BRAID AND EMBROIDERY EDGING. Registered June 6, 1922. THE AMERICAN FABRICS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed June 6, 1942.

155,619. **INTERNATIONAL.** CLEANERS FOR METAL PRIOR TO PLATING, JAPANNING, GALVANIZING, AND ROUGH CLEANING BETWEEN MACHINE OPERATIONS. Registered June 6, 1922. SOLOMON D. BENOLIEL. Renewed June 6, 1942, to International Chemical Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

155,640. **CHERAMY.** TALCUM POWDER, ROUGE, COLD CREAM, TOILET WATER, FACE POWDER, BRILLIANTINE, SACHET, AND PERFUME. Registered June 6, 1922. CHERAMY, INC., New York, N. Y., a corporation of New York. Renewed June 6, 1942.

155,644. **V-WAIST.** CERTAIN ARTICLES OF CLOTHING. Registered June 6, 1922. COHEN, GOLDMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed June 6, 1942.

155,664. **DEFENDER.** PHOTOGRAPHIC CHEMICALS AND CHEMICAL PREPARATIONS. Registered June 6, 1922. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y., a corporation of New York. Renewed June 6, 1942.

155,868. **SAMPLER.** CANDY. Registered June 6, 1922. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 6, 1942.

155,933. **BRO-BAB.** ENGINE AND MACHINE BEARINGS AND BUSHINGS. Registered June 13, 1922. BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J., a corporation of New Jersey. Renewed June 13, 1942.

155,948. **UNCLE REMUS.** CHILDREN'S SHOES OF LEATHER OR OF LEATHER AND FABRIC. Registered June 13, 1922. CRADDOCK-TERRY COMPANY. Renewed June 13, 1942, to Craddock-Terry Shoe Corp., Lynchburg, Va., a corporation of Virginia, assignee.

155,961. **GUARDIAN.** BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS. Registered June 13, 1922. WM. FILENE'S SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 13, 1942.

155,962. **JOAN.** WOMEN'S, MISSES', GIRLS', AND CHILDREN'S HATS. Registered June 13, 1922. WM. FILENE'S SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 13, 1942.

155,973. **PIONEER.** HARNESS LEATHER AND SOLE LEATHER. Registered June 13, 1922. THE HOFFNER BROS. COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 13, 1942.

156,018. **N & R.** LICORICE TABLETS OR WAFERS FOR MEDICINAL AND SEMIMEDICINAL PURPOSES. Registered June 13, 1922. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed June 13, 1942.

156,019. **NATIONAL RING TRAVELER CO.** RING TRAVELERS. Registered June 13, 1922. NATIONAL RING TRAVELER CO., Providence, R. I. Renewed June 13, 1942, to National Ring Traveler Co., Pawtucket, R. I., a corporation of Rhode Island.

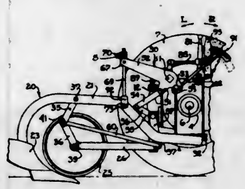
156,020. **RELEVART METAL.** RING TRAVELERS. Registered June 13, 1922. NATIONAL RING TRAVELER CO., Providence, R. I. Renewed June 13, 1942, to National Ring Traveler Co., Pawtucket, R. I., a corporation of Rhode Island.

156,054. **THE SILENT WATCHMAN.** TIME-RECORDING LOCKS. Registered June 13, 1922. THE SILENT WATCHMAN CORPORATION, New York, N. Y., a corporation of New York. Renewed June 13, 1942.

156,055. **IT'S ALL IN THE WHEEL.** GLASS CUTTERS. Registered June 13, 1922. SMITH & HEMEWAY COMPANY, INC., New York, N. Y., and Irvington, N. J. Renewed June 13, 1942, to London P. Smith, Inc., Irvington, N. J., a corporation of New Jersey, assignee.

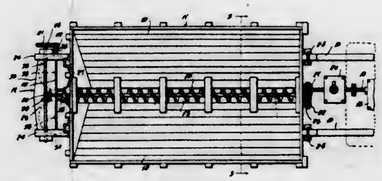
156,087. **MÉRODE.** CERTAIN ARTICLES OF CLOTHING. Registered June 13, 1922. WINSHIP, BOIT & CO., Wakefield, Mass., and New York, N. Y. Renewed June 13, 1942, to Winship-Boit Company, Wakefield, Mass., a corporation of Massachusetts, assignee.

22,019
CONTROLLING MECHANISM FOR AGRICULTURAL IMPLEMENTS
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original No. 2,249,807, dated July 22, 1941, Serial No. 297,330, September 30, 1939. Application for reissue September 26, 1941, Serial No. 412,520
56 Claims. (Cl. 97—50)



1. An agricultural machine comprising a tractor having a power connection, tool means connected with the tractor, means for gauging the depth of operation thereof, means for lifting said tool means, and means deriving power from the tractor power connection for actuating said gauging means and said lifting means in succession.

22,020
ROTARY SPREADER
Elmer M. Fulkerson and Jesse C. Fulkerson, Sonora, Ky.
Original No. 2,200,165, dated May 7, 1940, Serial No. 243,469, December 1, 1938. Application for reissue February 10, 1941, Serial No. 378,326
5 Claims. (Cl. 275—8)

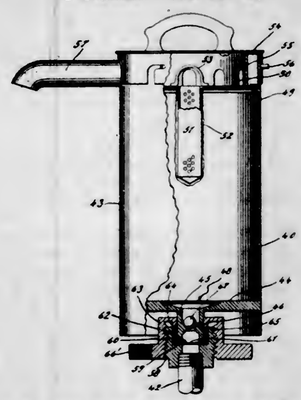


1. A device of the class described, comprising a hopper having attaching beams, a conveyor in said hopper, means to drive the conveyor, said beams having portions extending rearwardly beyond the hopper, a plate secured to said portions having an opening through which the conveyor discharges material, a pan secured to said portions to receive said material, an abutment partition secured to said portions at the rear of said opening constituting a bearing for the conveyor, spreader means on said pan, means to drive the spreader means operatively connected to the conveyor at the rear of said partition comprising parallel shafts, means gearing the shafts together, means to drive the spreader means from one of the shafts, and means at the sides of the pan extending above and below it and serving as bearings for both of said parallel shafts.

22,021
STEEL CONTAINING TELLURIUM
Morgan J. R. Morris, Massillon, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Original No. 2,236,716, dated April 1, 1941, Serial No. 353,891, August 23, 1940. Application for reissue November 5, 1941, Serial No. 417,942
2 Claims. (Cl. 75—123)

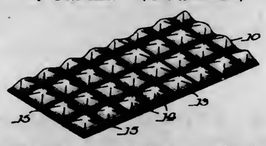
1. An alloy steel having an abnormality of at least grade B (Dodge test), the grain size in the outer portions thereof being not larger than about #5 on the A. S. T. M. scale and having a core composed of grains which do not appreciably coarsen at temperatures below about 1700° F. said steel containing between about .15% and about 2.0% of carbon, between about .30% and about 3.00% of manganese, between about .15% and about 2.50% of silicon, between about .20% and about 1.5% of molybdenum, and between about .005% and about .10% of tellurium, the remainder being substantially all iron with small amounts of sulphur and phosphorus.

22,022
COFFEE-MAKING DEVICE
Ambrose A. Peters, Milwaukee, Wis.
Original No. 2,190,270, dated February 13, 1940, Serial No. 194,405, March 7, 1938. Application for reissue December 10, 1941, Serial No. 422,457
5 Claims. (Cl. 53—3)



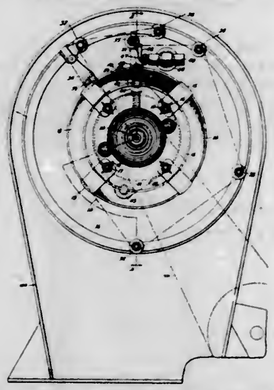
1. In a device for making coffee, a boiler, means for introducing water into the boiler, means for heating the water in the boiler, a pressure pipe leading from said boiler, a container for ground coffee having communication at its lower end with the pressure pipe, a delivery nozzle carried by the upper end of the container, and a disc interposed between the pressure pipe and the container having a small delivering orifice.

22,023
SWEATBAND FOR HATS
Leonard Szumkowski, Chicago, Ill.
Original No. 2,218,590, dated October 22, 1940, Serial No. 232,019, September 28, 1938. Renewed February 26, 1940. Application for reissue May 12, 1941, Serial No. 393,104
7 Claims. (Cl. 2—181)



7. A hatband comprising a single elongated strip having an area embossed to form head-engaging projections depressed from the outer to the inner face of the strip to provide at their outer ends spaced point contacts with the head, said projections being wider at their bases and narrower at their outer ends, the bases being in a substantially co-planar relation with the body of the strip, said projections further being arranged in rows to effect recesses for affording passages therebetween for the circulation of air into and from the interior of the hat between the body of the strip and the head.

22,024
TORQUE BAND BRAKE
Charles F. Van Hook, Warren Point, N. J.
Original No. 2,253,740, dated August 26, 1941, Serial No. 281,132, June 26, 1939. Application for reissue December 23, 1941, Serial No. 424,173
9 Claims. (Cl. 57—18)

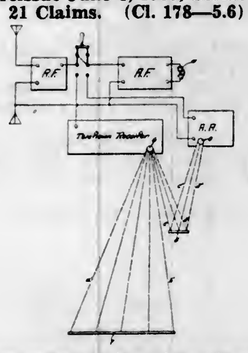


1. In a device of the character specified, the combination with means for holding an advancing wire or cable, of a spool upon which is wound a strip or sheet of material it having its pay out revolvable about the wire or cable, and which strip, or sheet, is adapted to be paid out to the wire or cable upon which it is wound, a brake drum connected to the spool and having an adjustable torque brake band upon it; and a compound float lever; any single adjustment restricting the tension variation on the strip from full to empty condition within the percentage of

$$V = 100\left(\frac{D-d}{d+81.2}\right)$$

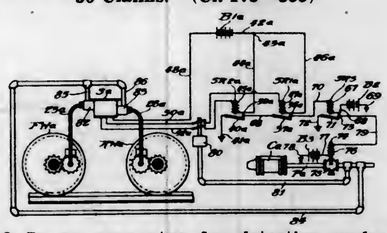
where D and *d* are the full and empty diameter of the roll or pad from which the sheet or strip is run off.

22,025
PICTURE AND SOUND APPARATUS
George Wald, Fort Totten, N. Y.
Original No. 2,111,159, dated March 15, 1938, Serial No. 405,121, November 6, 1929. Application for reissue June 8, 1939, Serial No. 278,089
21 Claims. (Cl. 178—5.6)



1. An apparatus of the class described comprising means for translating an audible signal into a light impulse, a transmitter apparatus having an electrical impulse producing element, means responsive to light impulses for influencing said element, means for successively controlling said light responsive means by said translating means and by image reflection whereby a chain of electrical impulses are transmitted, and for receiving and converting said chain of electrical impulses into visible and audible signals.

22,026
CONTROL APPARATUS
Rosser L. Wilson, Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Original No. 2,232,751, dated February 25, 1941, Serial No. 291,844, August 25, 1939, which is a division of Serial No. 213,103, June 10, 1938. Application for reissue August 5, 1941, Serial No. 405,568
36 Claims. (Cl. 175—355)

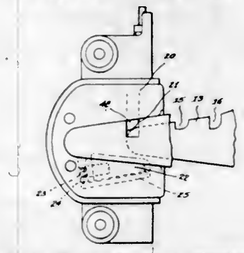


29. In an apparatus for detecting undesired changes in the rotative speed of at least one of a plurality of rotative elements, electrically-operated control means including operation-effecting means for effecting a selected operation for at least a certain period of time when said control means is rendered operative, switch means operable in response to an undesired change in the rotative speed of at least one of the plurality of rotative elements to render said control means operative, and safety governing means operable automatically when the operation-effecting means of said control means is operative for more than a predetermined time for interrupting the operation effected by said control means.

PATENTS

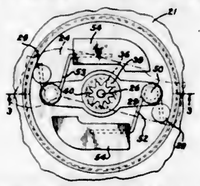
GRANTED FEBRUARY 10, 1942

2,272,167
DOOR LOCK
George Douglas Cloutier and Floyd A. Cooley, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 20, 1940, Serial No. 324,932
6 Claims. (Cl. 70—149)



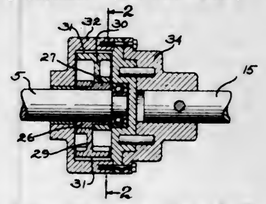
1. In a lock for a door, a pivotally mounted bolt for cooperation with a keeper, an outside handle having a rollback, an inside handle having a lost motion connection with the bolt, and a retractor member for engaging the bolt and roll back, said retractor member being slidably mounted on a pivot pin about which it can at all times be pivoted by the rollback of the outer handle, and means independent of the handles to slide the retractor member alternatively to a position in which it is capable of transmitting movement of the outside handle to the bolt and to a position in which it is ineffective so to do.

2,272,168
DIAL GOVERNOR
Clem H. Franks, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1939, Serial No. 265,112
3 Claims. (Cl. 179—90)



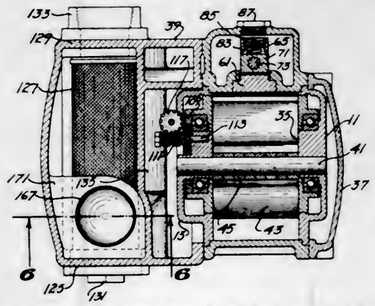
3. In a governor mechanism for dial telephones, a cup-shaped governor drum, a bearing formed in the base of said drum and located centrally therein, a shaft journalled in said bearing, a cross arm fixed to said shaft, a pair of pins mounted adjacent opposite ends of said cross arm, a multi-coil spring loosely encircling each of said pins, said springs having ends thereof extending outwardly in substantially parallel planes away from the pin and said ends being unattached to each other, a friction member mounted on one of the extending ends of each spring for engaging the drum, a weight mounted on the opposite end of each spring, means for driving said shaft including a gear and a clutch for positively connecting the shaft and gear upon rotation of the gear in one direction, a second gear meshing with said first-mentioned gear, and a hand operated dial fixed to said second-mentioned gear.

2,272,169
ONE-WAY CLUTCH
Albert J. Granberg, Berkeley, Calif., assignor to Granberg Equipment, Inc., Emeryville, Calif., a corporation of California
Application June 5, 1939, Serial No. 277,395
5 Claims. (Cl. 192—45.1)



1. A clutch comprising a drive shaft, a pair of circular cams fastened in opposite eccentricity on said shaft, a clutch casing rotatably bearing at one end thereof on said drive shaft and extending outwardly and then over said cams to define a clutch space, and having an interior surface concentric with said shaft, at the other end thereof, said casing having a central bearing for supporting an end of said shaft, a pair of shoe plates each having a bearing aperture rotatably fitting one of said cams, said plates extending laterally in opposite directions from said cams, a shoe having a face of substantially the same curvature as said internal surface and opposed thereto mounted on each shoe plate, said shoes being engaged and disengaged with said surface in accordance with the direction of rotation of said shaft with respect to said casing, and a driven member concentrically mounted on said casing.

2,272,170
FLUID METER
Albert J. Granberg and Thomas A. McCoy, Oakland, Calif., assignors to Granberg Equipment Inc., Emeryville, Calif., a corporation of California
Application December 4, 1939, Serial No. 307,430
4 Claims. (Cl. 73—253)



1. A meter having a cylindrical casing having

an inlet on one side and an outlet at the other side, and having opposite casing segments forming inner bearing surfaces between inlet and outlet openings, a stationary shaft within said casing, said shaft being carried by opposite end walls of said casing, said end walls each having an annular recess therein opening into the interior of said casing and eccentrically located around said shaft, a ring in each recess and bearing on the adjacent end wall, vanes mounted on said shaft for pivotal and rotational movement thereon, said vanes contacting the inner peripheral walls of said casing segments between inlet and outlet openings, pins connecting said rings to form a solid cage thereof, bearings between said pins and said vanes for rotation of said cage with said vanes, a ring gear mounted to rotate with one of said rings inside of the end wall carrying said latter ring, gearing means passing through said latter end wall and meshing with said ring gear, registering means outside of said end wall driven by said gearing means, the casing segments contacted by adjacent vanes during rotation being of sufficient arcuate extent to seal adjacent blades between both inlet and outlet openings, at least one of said segments being arcuately movable with respect to the remainder of the casing, and means for moving said segment from outside of the casing.

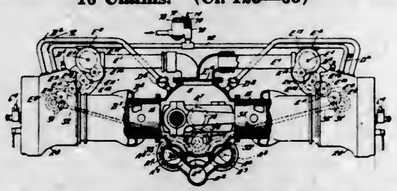
2,272,171

INTERNAL COMBUSTION ENGINE

William Harper, Jr., Montreal, Quebec, Canada

Application March 27, 1939, Serial No. 264,462

16 Claims. (Cl. 123—65)



1. In an internal combustion engine, a cylinder having three ports in its head, a valve for each of said ports, a pair of opposed cams mounted in the cylinder head casing for rotation about the axis of the cylinder, and mechanism actuated by said cams for operating said valves simultaneously.

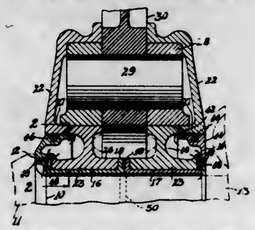
2,272,172

CONNECTING ROD

Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Original application April 9, 1938, Serial No. 201,093, now Patent No. 2,239,039, dated April 22, 1941. Divided and this application September 2, 1939, Serial No. 293,241

18 Claims. (Cl. 308—36.1)



11. In a connecting rod bearing lubrication system, a crankpin journal from which lubricant is fed to the surface thereof, said journal having a substantially plane end face, a connecting rod element having a bearing engaging the journal, a member rigid with the element having a cylindrical recess at an end thereof, and an annular piston slidably engaged in said cylindrical recess in oil sealing relation, said piston having an end face engaged in sealing relationship with the end face of said journal, said piston being pressed into said end face sealing engagement by lubricant pressure resulting from end leakage of lubricant from the bearing into said cylindrical recess.

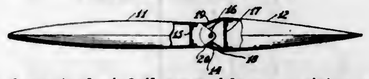
2,272,173

CONTROL AIRFOIL

Paul E. Hovgard, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application April 26, 1940, Serial No. 331,721

8 Claims. (Cl. 244—87)



1. A control airfoil assembly comprising a forward stabilizer terminating in a trailing edge having material thickness, and a hinged control airfoil having an arcuate leading edge portion close to the stabilizer trailing edge surfaces, the arc of the leading edge extending outside of a continuation of the stabilizer trailing edge profile whereby the forward portion of the control airfoil is thicker than the stabilizer trailing edge, the control airfoil having a straight surface profile tangent to said leading edge portion to its trailing edge.

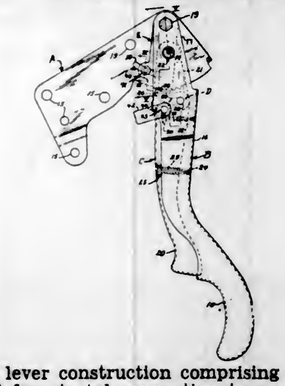
2,272,174

BRAKE LEVER

Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application January 20, 1940, Serial No. 314,757

12 Claims. (Cl. 74—537)



1. A lever construction comprising a lever arranged for pivotal connection to a support, cooperating clutching members for holding said lever in adjusted position, means manually operable for rendering said clutching cooperation inoperative, and additional means coaxially pivoted with said lever to said support for partially shielding one of said clutching members to hold the other of said members out of cooperation therewith when the lever is swung in one direction and to allow said clutching members to cooperate when swung in the opposite direction.

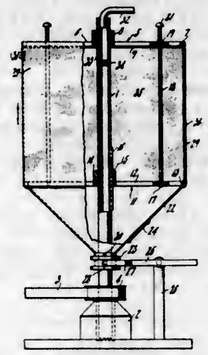
2,272,175

METHOD AND APPARATUS FOR FILTERING

Hubert F. Jordan, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application October 1, 1938, Serial No. 232,771

2 Claims. (Cl. 210—76)



1. A centrifugal filter comprising a rotatable shaft, a head secured to and rotatable with said shaft, a second head spaced from said first head and mounted on said shaft for rotation therewith and adjustable axially thereon, a filter medium comprising a perforate elastic sheet material secured to said heads and enclosing the space between said heads, and means for moving the adjustable head relative to the first head to stretch the elastic sheet and to enlarge the perforations therein.

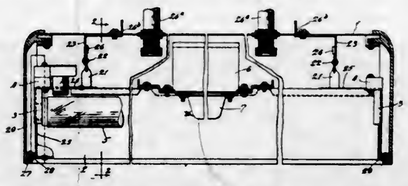
2,272,176

ELECTRIC LIGHTING FIXTURE

Arthur P. Leinen, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois

Application April 5, 1940, Serial No. 327,941

8 Claims. (Cl. 240—103)



8. A fixture construction comprising an inverted trough-like reflector means, lamp sockets mounted in fixed relation to said reflector means, each socket having lamp-engaging contacts for engaging the contacts of an elongated lamp bulb within said trough-like reflector means and extending longitudinally thereof, an inverted trough-like supporting cover above said reflector means, said reflector means and lamp sockets being mounted as a unit, means for supporting said cover in elevated position independently of said unit, and pivotal means connecting said unit and cover and supporting said unit from said cover and having an axis extending longitudinally of said reflector whereby the unit may be swung into and out of closing relation with respect to said cover whereby said sockets are readily accessible for wiring and inspection.

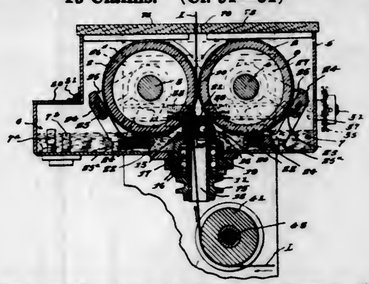
2,272,177

MACHINE FOR APPLYING COATINGS TO FISHING LINES

Louis J. Madden, Syracuse, N. Y., assignor to Newton Line Company, Inc., Homer, N. Y., a corporation of New York

Application March 24, 1939, Serial No. 263,955

13 Claims. (Cl. 91—51)



1. In a machine for applying coatings to lines, the combination with a pair of rotating members arranged with their peripheries approximately tangent, the peripheries being formed to provide a tubular liquid-coating-receiving passage between them where said members run tangent, means for rotating said members, means for drawing the line through the passage, means by which a liquid coating is supplied to said passage by the rotation of said members, and means for moving the line orbitally in said passage.

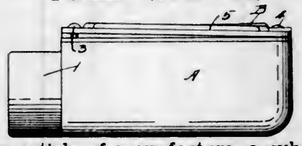
2,272,178

FITTING

Thomas E. McDowell and William A. Wulle, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey

Application December 24, 1938, Serial No. 247,548

1 Claim. (Cl. 220—24)



As an article of manufacture, a substantially rectangular metallic cover for an outlet box, said cover being warped on a line connecting two diagonally disposed corners thereof to position the other corners in spaced relation to the box, when the diagonally disposed corners are in contact therewith, and screw means carried by said other corners for attaching the cover in place and forcing the said other corners into a plane common with the diagonally disposed corners, whereby the tendency of the cover to resume warped shape acts to apply pressure against the screw means and retain the same against loosening.

2,272,179

MECHANISM FOR CUTTING BODIES INTO SECTIONS

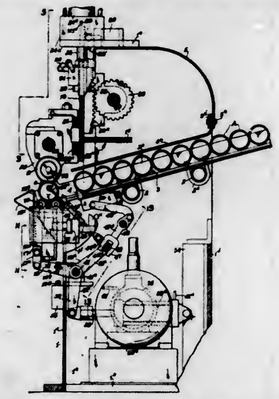
Ernst W. Allardt, Parma, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application August 31, 1940, Serial No. 354,917

27 Claims. (Cl. 164—61)

1. In a machine of the class described, the combination with a frame, of a support thereon for bodies, a separate support on which the bodies rest for delivery to said first mentioned support,

a member reciprocatably mounted on said frame, a cutter mounted on said member in position to sever each body intermediate its ends upon movement of said member in one direction, means for reciprocating said member, a movable stop ar-



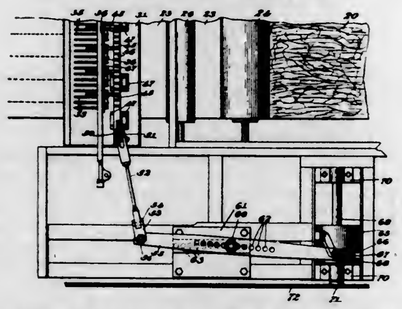
ranged to successively release the bodies for delivery thereof to said first mentioned support, and means controlled by the delivery of each body to said first mentioned support for controlling the operation of said reciprocating means.

2,272,180

STITCHING MECHANISM

Harold G. Bailey and Weston C. Jones, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application August 20, 1938, Serial No. 225,942
3 Claims. (Cl. 112—117)



1. A loose stitching apparatus which comprises a series of needles arranged transversely of the travel of the work to be stitched, a series of loopers individual to each of said needles, means for actuating said loopers and said needles to form a series of chain stitches in said work, a series of fingers individual to each of said needles, said fingers overlying said work and extending longitudinally of the travel of said work, a finger bar upon which said fingers are mounted, and means for reciprocating said finger bar and fingers bodily as a unit and thereby causing said fingers to make passes under said needles as the latter are withdrawn from the work to draw the thread between the needle and work into a loop about said fingers providing slack for the loops formed by said needles and hold them in a distended position until the next succeeding series of stitches have been completed, and adjusting means for said reciprocating means to adjust the extent of reciprocation of said finger bar to adjustably vary the length of loops drawn by said fingers.

2,272,181

METHOD FOR FORMING CAST ARTICLES FROM ALLOYS OF LEAD WITH CALCIUM AND METALS OF SIMILAR PROPERTIES

George M. Bouton, Lynbrook, N. Y., and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application September 22, 1939, Serial No. 296,062
2 Claims. (Cl. 22—214)

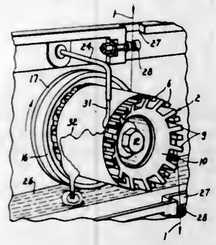
1. Method of forming cast articles such as storage battery grids from a molten alloy of lead with calcium which comprises maintaining an atmosphere of carbon dioxide over the molten alloy in the kettle, around the pouring spout or ladle and in the cavities of the mold during the filling thereof.

2,272,182

METHOD OF PROCESSING THREAD OR THE LIKE

Alden H. Burkholder, Cleveland, and Walter F. Knebusch, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application May 3, 1938, Serial No. 205,678
6 Claims. (Cl. 18—54)



1. The method of subjecting thread or the like to the action of processing liquid which includes advancing the thread or the like in the form of a traveling helix characterized by a large number of turns individually supported at spaced points; applying the processing liquid to the thread or the like at one end of the helix, the turns of thread or the like at each end being sufficiently close to one another to permit the processing liquid to form a continuous film extending entirely around the helix; and causing the processing liquid to travel lengthwise of the helix, whereby the film of processing liquid so formed is caused to envelop a substantial portion of the helix.

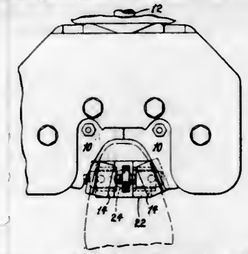
2,272,183

WORK SUPPORT

Ernest L. Butler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application May 18, 1940, Serial No. 335,974
9 Claims. (Cl. 12—123)

1. In a shoe machine, the combination with means for operating on a shoe in the machine, of a toe rest comprising members arranged to engage opposite side portions of the shoe, said members being adjustable toward and from each



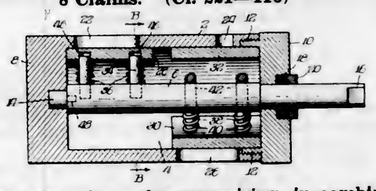
other to accommodate different widths of shoes and adjustable as a unit widthwise of the shoe.

2,272,184

MEASURING VALVE

John W. Carlson, Chicago, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware

Application June 18, 1938, Serial No. 214,431
8 Claims. (Cl. 221—116)



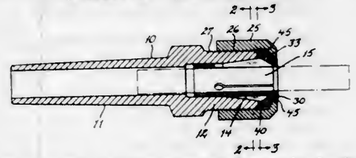
1. A measuring valve comprising, in combination, a measuring chamber, an inlet to said chamber, an outlet from said chamber, a pressure equalizing vent in the walls of said chamber, a centrally disposed rotatable shaft in said chamber and means resiliently pressing outwardly from said shaft adapted to open and close said inlet, said outlet and said pressure equalizing vent.

2,272,185

COLLET CHUCK

Windsor N. Chittenden, Cincinnati, Ohio, assignor to Chittenden Corporation, Cleveland, Ohio, a corporation of Ohio

Application October 30, 1939, Serial No. 301,924
3 Claims. (Cl. 279—49)



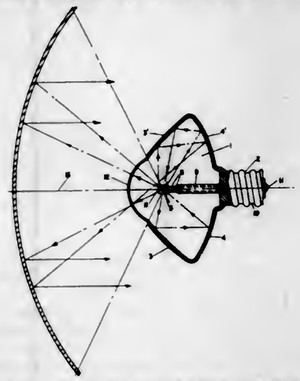
1. In a collet chuck comprising a body formed to cooperate with a machine tool and having a tapered socket in one end thereof, a collet insertable in said socket and formed with a plurality of gripping jaws adapted and arranged to flex inwardly as the collet is pressed into said socket, a compression member having a bore for the passage of the tool carried by said body and movable toward the collet to press the same into the socket, means comprising a ring freely floating in said bore interposed between said member and said collet to transmit the pressure from said member to said collet, said ring having a tapered shoulder engaging a tapered flange on the compression member with substantially a line contact to provide for limited radial movement of the ring to compensate for distortion and stress induced by tightening of the compression member.

2,272,186

RADIANT ENERGY PROJECTOR

Edward P. Creehan, United States Navy

Application July 19, 1939, Serial No. 285,235
7 Claims. (Cl. 176—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



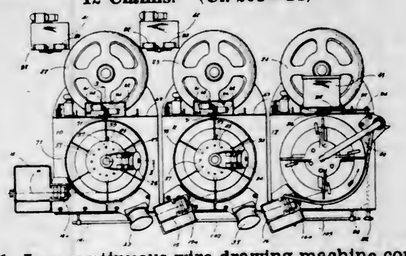
1. A device for the projection of light energy comprising in combination a plurality of opposing, coaxial, confocal, paraboloidal reflectors of different focal lengths, a source of light energy substantially coincident with the common focal point, the ratio of the focal lengths of the said reflectors being substantially equal to 2 and the paraboloidal reflector of lesser focal length being apertured to permit the passage of the light energy.

2,272,187

WIRE DRAWING MACHINE

Frank P. Dahlstrom, Woodbridge, Conn., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application July 24, 1940, Serial No. 347,259
12 Claims. (Cl. 205—14)

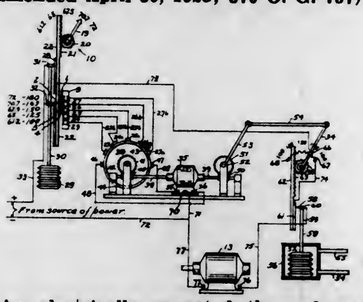


1. In a continuous wire drawing machine comprising a plurality of dies, a plurality of blocks for drawing wire through said dies, said blocks being adapted to carry a reserve or accumulation of wire thereon, and means for withdrawing the wire from at least one of said blocks in an axial direction including a guide for said wire rotatable about an axis substantially coaxial with said block, the combination of friction means tending to rotate said guide in the direction of rotation of said block, the tension of the wire against guide tending to rotate said guide in the opposite direction, and means controlled by the rotation

of said guide for controlling the speed of said block to maintain the accumulation of wire thereon substantially constant.

2,272,188
MEANS FOR REGULATING HEATING APPARATUS

Wilmot A. Danielson, Quarry Heights, Canal Zone
Application November 22, 1940, Serial No. 366,615
3 Claims. (Cl. 236—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

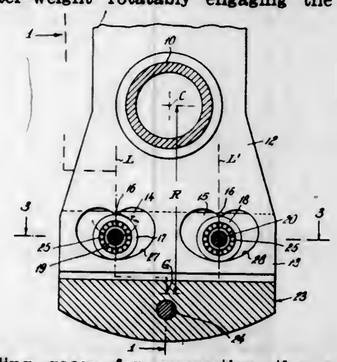


1. An electrically operated thermal control apparatus including a fuel feeding motor, an aquastat adapted to control the operation of said fuel feeding motor, a thermostat provided with a temperature graduated dial, and a setting hand adapted to regulate the temperature setting of said thermostat to thereby effect a corresponding setting of the aquastat through a remote control apparatus, including a reversible motor coupled to a controller, said thermostat including a series of vertically aligned stationary contact terminals, corresponding to temperature graduations of the dial and provided with circuit connections to the controller of said remote control apparatus, a vertically adjustable contact bar operatively connected with said setting hand and provided with upper and lower contact strips, an intermediate contact member adapted to contact a selected terminal of said series, corresponding to a given temperature setting, and an additional contact member conductively connected to the lower contact strip adapted to contact a terminal above said selected terminal on the bar, corresponding to a higher temperature setting; a thermally actuated vertically movable rod provided with brushes adapted to contact said contact strips and said intermediate contact to complete circuits to said remote control apparatus through said selected terminal of the series, and to complete a circuit through a terminal above the same, corresponding to a higher temperature setting of the aquastat and thereby effect a temperature rise sufficient to elevate the thermally actuated rod to a position whereby a circuit will be completed through the selected terminal of the control series to effect a corresponding temperature setting of the aquastat for the given temperature setting of the thermostat.

2,272,189
DYNAMIC DAMPER FOR ENGINES

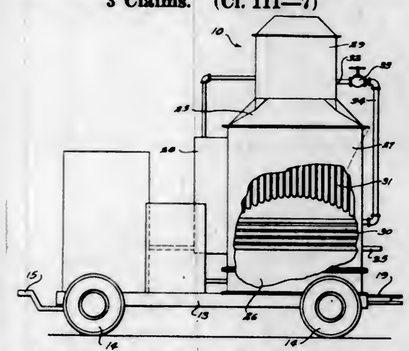
Chester C. De Pew, Farmingdale, N. Y., assignor to Ranger Engineering Corporation, Farmingdale, N. Y., a corporation of Delaware
Application June 29, 1939, Serial No. 281,844
7 Claims. (Cl. 74—604)

1. A dynamic damper for torsional vibrations in a rotating shaft, comprising a radial shaft extension having similar spaced curved races, a counter-weight, and spaced wheels on said counter-weight rotatably engaging the corresponding races for supporting the counter-weight on said shaft extension, the spacing between the axes of rotation of said wheels being substantially equal to the spacing between the centers of curvature of said races.



2,272,190
APPARATUS FOR STERILIZING SOIL

Burr B. Elliott, Yakima, Wash., assignor to Elliott Soil Sterilizer, Inc., Yakima, Wash., a corporation of Washington
Application July 4, 1939, Serial No. 282,825
3 Claims. (Cl. 111—7)

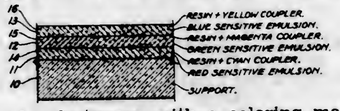


1. A mobile apparatus for sterilizing soil comprising means for maintaining a supply of superheated steam, means for turning furrows of soil, a pipe system for the discharge of superheated steam from the supply into the ground beneath the turned soil and including a section of pipe of increased diameter at the discharge end of the pipe system in which the steam will expand and its pressure be reduced with no material loss of heat.

2,272,191
DISPERSING MIXTURES OF RESINS AND COLORING MATERIALS IN GELATIN

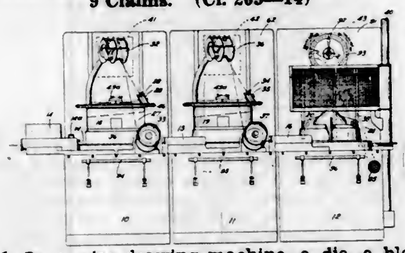
Scheuring S. Fierke, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 26, 1940, Serial No. 371,775
In Great Britain December 29, 1939
10 Claims. (Cl. 95—7)

1. The method of producing a color-forming photographic layer which comprises mixing, in an organic solvent for both, a synthetic resin selected from the group consisting of polyvinyl acetal, polyvinyl acetate, reduced coumarone indene and polystyrene, with a coloring material and dispersing the mixture of synthetic resin and coloring material in a gelatino silver halide emulsion.



2,272,192
WIRE DRAWING MACHINE

Edward J. P. Fisher, North Jackson, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application July 10, 1940, Serial No. 344,730
9 Claims. (Cl. 205—14)



1. In a wire drawing machine, a die, a block for drawing wire through the die and adapted to carry an accumulation of wire thereon, variable speed means for driving the block, means for withdrawing the wire from the block in an axial direction, a guide mounted for rotation about an axis coaxial with the block for guiding the wire withdrawn therefrom, a gear rotatable with said guide, and control means operatively and positively connected to said gear for promptly controlling the speed of said block in response to movements of said guide.

2,272,193
METHOD OF RECLAIMING PLASTICIZERS

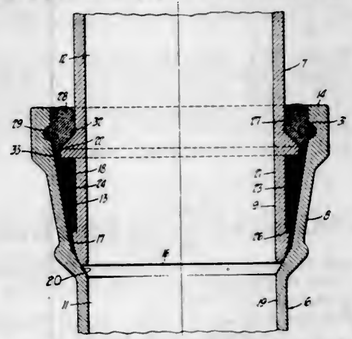
Webster E. Fisher and Albert G. Bright, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 1, 1937, Serial No. 177,550
11 Claims. (Cl. 260—461)

11. The process of recovering a high boiling plasticizer from photographic film scrap which comprises leaching the scrap with a water-miscible solvent for the plasticizer, which solvent is more volatile than water and will not dissolve the principal portion of the film base, continuously introducing the spent leaching liquid containing plasticizer and water into a distilling column, applying heat thereto, refluxing, withdrawing the mixture of plasticizer and water which collects at the bottom of the column and separating the plasticizer from the water.

2,272,194
PIPE JOINT

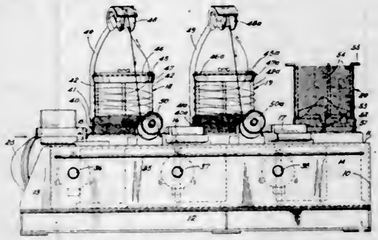
Joseph E. Frances, Oakland, Calif.
Application September 23, 1939, Serial No. 296,260
4 Claims. (Cl. 285—115)

1. A pipe joint comprising, a pipe section having a bell hub at one end thereof and adapted for vertical mounting with said hub uppermost, a second pipe section having an end thereof adapted for insertion into said hub, said hub having an inverted frustro-conical inner wall portion, partition means on the exterior of said second section spaced from the end thereof by a distance positioning said means within said inner wall of said hub and including at least a part of said frustro-conical wall between said means and end to define a wedge shaped chamber at the inner side of said means for receipt of oakum or the like and to define an open end chamber at the outer side of said means for receipt of sealing lead or the like, said means substantially closing the top and bottom of said first and second chambers respectively.



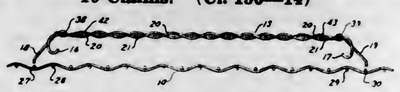
2,272,195
WIRE DRAWING MACHINE

Jerome R. George, Marion, and Kenneth B. Lewis, Worcester, Mass., assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application June 28, 1939, Serial No. 281,666
7 Claims. (Cl. 205—14)



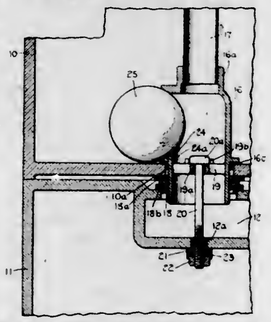
1. In a continuous wire drawing machine of the type in which wire is withdrawn in an axial direction from each block at a speed independent of the speed at which wire is being drawn onto the block, a plurality of wire drawing dies and blocks, means for water cooling said blocks, continuously operable variable speed means for driving said said blocks, and separate control means for each block for adjusting the speed of each block without stopping said blocks independently of the speed of every other block so that the relationship between the rate at which wire is being drawn onto any block and the rate at which it is being withdrawn from the block is at all times under the control of the operator whereby the amount of accumulation and time of cooling on each drum may be accurately controlled by the operator.

2,272,196
SELF-ATTACHING PATCH FOR WIRE CLOTH OR SCREENS
Sidney R. Gittens, Philadelphia, Pa.
Application January 21, 1941, Serial No. 375,153
19 Claims. (Cl. 156—14)



2. Means for repairing woven wire screens, comprising a patch of woven wire, a number of the ends of the wires at the perimeter thereof terminating in hook-like elements which, when applied to the woven wire of the screen to be repaired, form interlocking engagement therewith.

2,272,197
DISCHARGE AND CONNECTING FITTING MEANS
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 11, 1940, Serial No. 313,314
1 Claim. (Cl. 4—13)

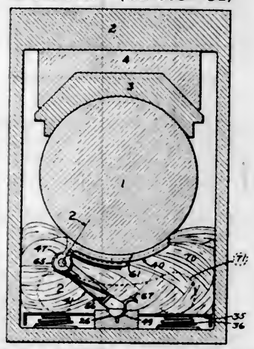


A combined discharge and connecting fitting for securing a flush tank to the top of a toilet bowl, both of which have registering openings for the flow of fluid for flushing the toilet bowl, comprising a hollow member passing through said registering openings, a valve associated with the upper part of said tubular member disposed in the flush tank, said upper part having an exterior flange disposed within the flush tank, an exterior thread adjacent said flange for receiving a nut for securing said tubular member to the wall of the opening in the flush tank, a downwardly extending spider element secured to and within said tubular member, and a solid bolt connection between the central portion of said spider element and a part of the toilet bowl, the bolt nut and the therewith engaged bolt threads being disposed exteriorly of the toilet bowl and away from the path of flow of the flushing fluid, whereby corrosion of said exterior threading and of the bolt threads and nut is prevented.

2,272,198
SYNTHESIS OF VITAMIN B_6
Stanton A. Harris, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 1, 1939, Serial No. 293,131
8 Claims. (Cl. 260—296)

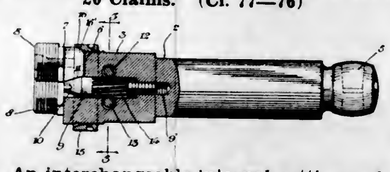
8. Compound selected from the group consisting of 2-methyl-3-amino-4-halogenmethyl-5-aminomethylpyridine dihydrohalide, and 2-methyl-3-amino-4-hydroxymethyl-5-amino-methylpyridine dihydrohalide.

2,272,199
RAILWAY JOURNAL BOX LUBRICATOR
James J. Hennessy, New York, N. Y.
Application December 1, 1939, Serial No. 307,057
9 Claims. (Cl. 308—84)



1. A lubricant distributor for a device of the class described, comprising an arcuate plate arranged to fit against the lower portion of a journal, and an arm having a pivotal connection at one end to a side of said plate and extending beneath said plate, there being a lubricant passageway through said arm and said connection to the upper face of said plate.

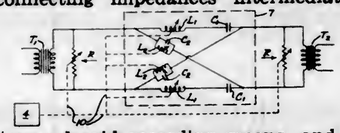
2,272,200
BORING OR INTERNAL FORMING TOOL
William J. Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application December 3, 1940, Serial No. 368,307
20 Claims. (Cl. 77—76)



1. An interchangeable internal cutting or boring tool comprising a shank, a series of radially adjustable blocks carried at the end of the shank, a cutter carried by each of said blocks, transversely extending and cooperating screw-formed means including an axially shiftable means carried by the shank for simultaneously adjusting the blocks and thereby the cutters, and means for locking the blocks and thereby the cutters in their adjusted positions.

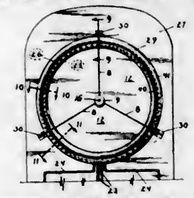
2,272,201
METHOD AND APPARATUS FOR SIGNALING
Herbert Hoover, Jr., Sierra Madre, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application July 28, 1939, Serial No. 287,074
14 Claims. (Cl. 181—0.5)

1. In seismic surveying apparatus the combination comprising means for generating seismic waves in the earth, a receptor for receiving the seismic waves after being subjected to dispersion by virtue of their travel within the earth, said receptor being adapted to convert said received seismic waves into corresponding electrical waves, means for recording said electrical waves, a variable phase distorting network including interconnecting impedances intermediate said



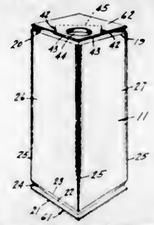
receptor and said recording means, and means operatively associated with said impedances for varying the impedances and thus for varying the phase distortion produced by said network as a predetermined function of seismic waves travel time during the recording.

2,272,202
ANIMATED LUMINOUS DISPLAY
Fred Hotchner, Los Angeles, Calif.
Application August 21, 1939, Serial No. 291,188
12 Claims. (Cl. 40—130)



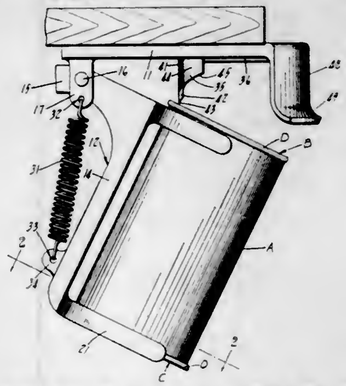
11. An illuminated display device including: a display element comprising a plurality of adjacent, spectrally contrasting, elongated illuminants in the outline of a display pattern, a refracting element positioned in front of the same and having a refracting formation characteristic of said display pattern and so related to said illuminants in position as to produce distinctive distorted images of said illuminants when moved from position to position in front of the same, and means to move one of said elements with relation to the other through a path determined to produce an animation effect along said display pattern to an observer in the normal field of view.

2,272,203
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 9, 1938, Serial No. 212,838
1 Claim. (Cl. 229—17)



A one-piece container of fibre or the like material for liquids and other substances, comprising in combination, a tubular body, a plurality of closure flaps formed integrally with said body at each end thereof and adapted to be folded inwardly and in interengaged position thereby providing sealed top and bottom closures for the container, certain of said flaps adjacent the upper end of the body having dispensing holes which cooperate in folded position to provide a single dispensing opening, and another of said flaps having a friction plug closure formed as an integral part thereof, and closing said dispensing opening when in folded position, parts of said friction plug flap having its plug section set off by slits joined at their ends by a line of crease which also define an unsecured area in the flap, said friction plug flap also having protruding edge sections which extend over the pouring lip of the container when the friction plug is in sealing position thereby protecting said lip from contamination prior to opening of the container.

2,272,204
CAN OPENER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1940, Serial No. 372,663
7 Claims. (Cl. 30—16)



1. A can opening device, comprising in combination a bracket adapted to support the device, a cutter on said bracket, and a cradle mounted relative to said bracket for supporting a can to be opened, said cradle being movable toward and away from said bracket to impale the can on the cutter and thereby produce a dispensing opening in the can.

2,272,205
BENEFICIATION OF LOW VOLATILE HYDROCARBONS
Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 28, 1940, Serial No. 342,977
10 Claims. (Cl. 252—47)

1. A lubricant comprising a hydrocarbon oil of lubricating viscosity and a small amount of furfurin, a small amount of an agent from the group consisting of phosphorus and phosphorus sulphides, and a small amount of a soluble ethanolamine.

2,272,206
CIGARETTE
Jacob Jacobowitz, New York, N. Y.
No Drawing. Application August 17, 1932, Serial No. 629,193
15 Claims. (Cl. 131—12)

1. A cigarette provided with an invisible, im-

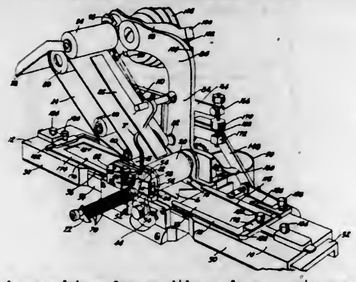
perceptible, and inappreciable tipping which does not cause any sheen, gloss, or change in light reflecting power upon the exterior surface of the cigarette and which greatly improves the smoking properties and qualities of the cigarette making the tip of the cigarette non-sticking in regard to the lips of the smoker and preventing soaking and disintegration of the paper with moisture or staining with nicotine and other materials, said tipping being formed by applying an emulsion to the cigarette paper before said paper has been formed into the cigarette containing less than 10 per cent of grease and water-proofing materials.

2,272,207

MACHINE FOR UNITING SHOE PARTS

Adrien L. Jalbert, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application January 10, 1940, Serial No. 313,268
22 Claims. (Cl. 12—52)



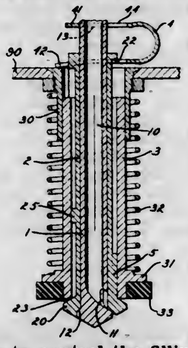
1. A machine for uniting shoe parts comprising a pair of pressing rolls, a cement applying roll adjacent thereto, a work carrier constructed and arranged to feed a shoe part between said applying roll and one of said pressing rolls, means for guiding said shoe part between said pressing rolls, and means for feeding a second shoe part between said pressing rolls in position to be pressed against the first shoe part in proper registration therewith.

2,272,208

BOTTLE FILLING MECHANISM

Karl Jorgensen, Seattle, Wash.

Application January 28, 1939, Serial No. 253,437
18 Claims. (Cl. 226—124)



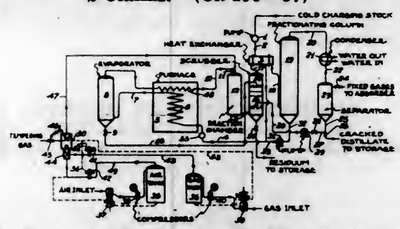
1. Mechanism to control the filling of a bottle from a liquid reservoir, comprising, in combination, a filling spout depending from the reservoir, a separate vent pipe extending above the liquid level in the reservoir, having its lower end disposed to enter the mouth of a bottle when the latter is in filling position relatively to the filling spout and a double acting valve member movable with respect to said vent pipe and relative to said filling spout, and operable successively to open the vent pipe, to open the filling spout, to close the latter, and to close the vent pipe.

2,272,209

PROCESS FOR THE THERMAL TREATMENT OF HYDROCARBONS

William O. Keeling, Pittsburgh, Pa.

Application June 18, 1937, Serial No. 148,925
2 Claims. (Cl. 196—67)



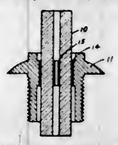
1. A process for treating hydrocarbons, comprising the steps of vaporizing hydrocarbons, separating the evolved vapors from any unvaporized fractions remaining, generating combustion gases to be used as the heat carrier gas in a separate zone, and automatically insuring that said combustion gases are of uniform quantity and composition through suitable automatic regulation of the air and fuel supplied to the combustion zone by the pressure carried in the treating system, cooling the combustion gases to a predetermined temperature by admixing therewith a suitable cooler gas and automatically controlling the temperature of the mixed gases through regulating the amount of cooling gas added by a thermostatically-controlled valve having an actuating thermocouple placed in the mixed gas stream at a point prior to admixture with the hydrocarbon vapors, including the additional step of introducing, into the heat carrier gas, reducing reagents capable of chemically reacting with any oxygenated compounds of the hydrocarbons undergoing treatment.

2,272,210

METHOD OF SEALING DISSIMILAR MATERIALS

Henry K. King, Cabin John, Md.

Application March 18, 1941, Serial No. 383,943
17 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In the manufacture of a spark plug, the method of mounting and sealing the ceramic insulator in the outer metallic jacket of the spark plug which comprises, the steps of applying a thin coating of metal to the ceramic insulator so that it may be in intimate contact with the ceramic material, building up the coated area with a metal to form a tension band thereabout, shaping the outer surface of said metallic

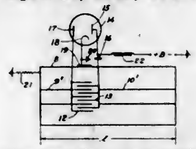
band to the precalculated dimensions, expanding the inner diameter of said jacket, contracting said band so that compressive stresses are set up in the ceramic material and the seal between the band and ceramic is tightened, and inserting the insulator into the plug jacket, whereby a gas-tight seal will be formed between the surfaces of the metallic shell and the surface of said insulator.

2,272,211

SUPERFREQUENCY OSCILLATORY MEANS

Hans W. Kohler, Washington, D. C.

Application March 16, 1940, Serial No. 324,240
14 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



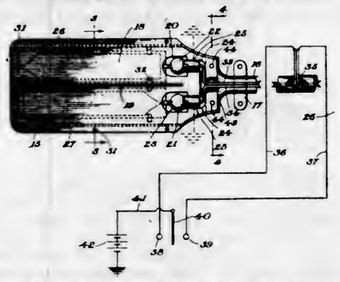
1. An oscillatory system, comprising a vacuum tube having a cathode, a grid and an anode; an elongated conductive shell having a conductive closure at each end, a respective conductive linear member coaxially secured at one end to each said closure in conductive relation therewith, one of said members being longer than the other, loading capacitive means including two sets of coacting elements, each said set being respectively conductively connected to the other end of one of said linear members, whereby to constitute a coaxial resonant line, means connecting to said grid the shorter linear member, means coupling said anode to the said elements connected to the longer linear member, means capacitively coupling said cathode to said shell, means connecting said cathode to ground and a resistance connecting said shell to ground, the electrical length of said shell and capacitively loaded linear members being substantially one-half wave length of the desired frequency while the physical length thereof is much less.

2,272,212

TURN SIGNAL APPARATUS

Lawrence C. Larson, Callender, Iowa

Application September 18, 1939, Serial No. 295,503
1 Claim. (Cl. 177—329)



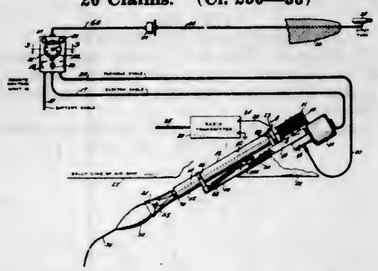
A turn signal lamp comprising a vertical and horizontal partition, the horizontal partition being comparatively narrow and projecting from opposite sides of the vertical partition, a sectional casing comprising a front section and a rear section having marginal flanges bolted to the vertical partition at its top and bottom and extending above and below the horizontal partition, there being openings in the vertical partition above and below the horizontal partition at one end of the casing, signal bulbs in said openings, translucent panels disposed in front and in rear of the signal bulbs provided above and below the horizontal partition with indicia indicative of a left and right turn, means on the casing to secure the panels to the casing, a tubular bracket arm provided with a flared end portion terminally flattened out and provided with a slot receiving one end of the vertical partition which projects beyond the horizontal partition, bolts passed through the casing and through said projecting end of the partition and through the flattened out portion of the bracket arm to secure the bracket arm to the partition and casing, and circuit wires for the signal bulbs extending from the signal bulbs through the tubular bracket arm and adapted to be connected to a source of electricity.

2,272,213

ANTENNA REELING SYSTEM

William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio

Application September 27, 1939, Serial No. 296,725
20 Claims. (Cl. 250—33)



1. An antenna system for an aircraft comprising a reel containing an antenna wire; a motor for operating said reel; retracting means including circuit connections to said motor for energizing said motor to reel-in extended antenna wire; and means for limiting the reeling-in of said wire comprising a protuberance secured to the wire, an insulation tube through which said wire passes having a switch operating portion, a switch circuitally connected with said retracting means and operable by said tube portion, whereby said tube is abutted by said protuberance and displaced to operate said switch to deenergize said motor.

2,272,214

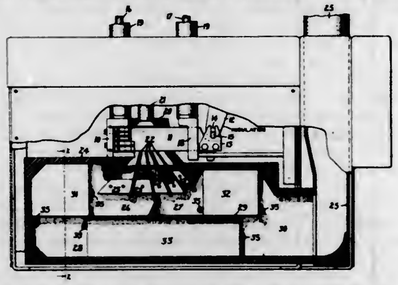
AIR BLAST CIRCUIT BREAKER

Leonard J. Linde, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application December 22, 1939, Serial No. 310,603
7 Claims. (Cl. 200—148)

1. A gas blast circuit breaker for interrupting power arcs comprising relatively movable contacts, means independent of the interrupting arc for directing a gas blast transversely through the arc gap formed upon separation of said contacts, and insulating structure including an arc chute into which the arc is driven by said gas blast from said arc gap, said arc chute including barriers extending transversely of said arc gap and forming passages arranged to be opened to said blast in succession in accordance with separation of said contacts and deflecting baffle means associated with said barriers for causing appreciable elongation of the path of the blast gases

traversing the initially opened passages prior to exhaust of the gas from said structure as compared with the paths of blast gases from subsequently opened passages, the blast gases from said subsequently opened passages being com-



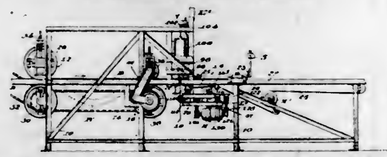
paratively cool when the arc is interrupted at said initially opened passages, and means for directing all said blast gases into a common mixing chamber before final venting thereof to atmosphere.

2,272,215

AUTOMATIC CUTOFF DEVICE

Paul F. Lockett, Weston C. Jones, and Harold G. Bailey, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application December 4, 1939, Serial No. 307,418
18 Claims. (Cl. 164—74)



1. In an apparatus for periodically performing an operation on a continuously moving sheet of material, means positioned at one point in the path of movement of the sheet for continuously advancing the sheet in one direction, feeding means positioned forwardly of the advancing means and driven in consonance with the advancing means, means for periodically stopping said feeding means for holding a portion of the sheet stationary and allowing a slack portion to occur between the advancing means and the feeding means, means for operating on the stationary portion of the sheet, and means for temporarily driving said feeding means at an accelerated rate to advance the stationary portion of the sheet relative to the continuously moving portion thereof to take up the slack portion.

2,272,216

METHOD OF COATING COPPER AND ITS ALLOYS

Herman J. Lodeesen, Royal Oak, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.

No Drawing. Original application June 6, 1938, Serial No. 212,209. Divided and this application September 28, 1940, Serial No. 358,837
10 Claims. (Cl. 148—6)

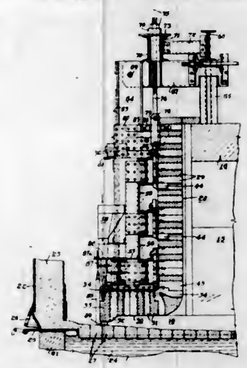
1. A process for producing corrosion retarding coatings on articles of copper and its alloys which comprises subjecting the surface thereof to the action of a solution containing an acid phosphate selected from the group consisting of zinc, manganese, cadmium and magnesium and an oxidizing agent selected from the group consisting of persulphates, permanganates, iodates, nitrites and peroxides.

2,272,217

GLASS MELTING FURNACE

Levi S. Longenecker, Mount Lebanon, Pa.

Application June 29, 1940, Serial No. 343,185
7 Claims. (Cl. 49—54)



1. In a furnace for melting granular material and having a heating chamber, a tank below said chamber for containing a molten bath of such material and having an extension for receiving the granular material to be melted and which projects outwardly beyond the roof of said chamber, a wall extending across said tank extension and which comprises a vertical section, and a horizontal section which joins said vertical section, extends outwardly away from the heating chamber and forms a low level roof for the major part of the tank extension; the construction and arrangement of said wall being such that its horizontal section is maintained at a sufficient temperature by the flames within the heating chamber to occasion fritting or sintering of the upper portion at least of the granular material supported by the molten bath therebeneath before said material is moved into the heating chamber.

2,272,218

STEEL TIE

Robert E. Lee Maxey, New York, N. Y.

Application October 7, 1939, Serial No. 298,458
1 Claim. (Cl. 238—85)



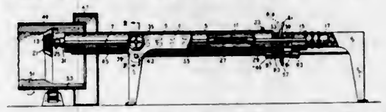
A railroad tie comprising transverse Z-bars having upper and lower horizontal flanges, upper longitudinal strips secured to the upper flanges, lower longitudinal strips secured to the lower flanges, an upwardly arched bridge provided with outwardly extended feet secured transversely to the upper strips, the crown of the bridge having a rail-receiving depression, sleeves extended between the upper flanges and the crown of the bridge, rail clips on the crown of the bridge and overhanging the depression, and securing devices engaged with the upper flanges, the securing devices passing through the sleeves, the crown of the bridge and the clips.

2,272,219

KILN RING CUTTING MACHINE

Walter M. McCoy, Florence, Ala.

Application February 13, 1940, Serial No. 318,779
1 Claim. (Cl. 15—104.10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



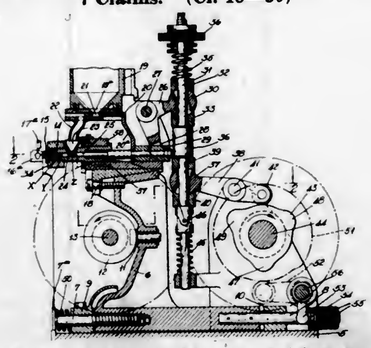
An apparatus for removing kiln rings from rotary kilns having in combination, a bench; an elongated housing non-rotatably supported by the bench for axial movement; means electively usable to axially feed the housing along the bench; a driven member having a hollow zone communicating with the housing, said housing extending about the driven member for substantially its full length and said driven member extending from the housing and axially movable therewith; a cutter having apertures communicating with the interior of the driven member and connected thereto; a motor driving a speed reducer connected to the driven member; rotatable split nuts, normally open, associated with the housing and driven by connection to the driven member; a non-rotatable lead screw operatively secured to the bench and cooperating with the split nuts; means for closing said split nuts, thereby engaging the lead screw for progressive or retrogressive movement; means for circulating cooling water through the housing and interior of the driven member; and a valve in the driven member for controlling cooling water to the cutter.

2,272,220

MACHINE FOR DIE CASTING THERMOPLASTICS

Louis H. Morin and Davis Marinsky, Bronx, N. Y.

Original application July 10, 1937, Serial No. 152,942. Divided and this application April 22, 1939, Serial No. 269,393
7 Claims. (Cl. 18—30)



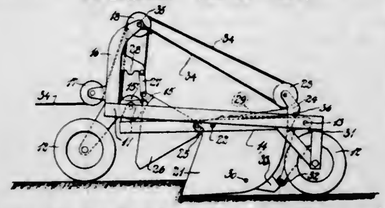
1. A die casting machine comprising an elongated movable cylinder, means heating the discharge end of the cylinder, means moving the cylinder into casting and non-casting positions, a plunger arranged in said cylinder and movable longitudinally thereof toward and from the discharge end of the cylinder for injecting heated casting material into the impression of relatively movable dies, means coupled and movable with the plunger for delivering a measured quantity of casting material to the cylinder for arrangement in the cylinder forwardly of said plunger, and means operating the plunger in a feed stroke a plurality of times to feed a series of measured charges of material to the cylinder and to deliver the same into the heated end portion thereof and in the last of said strokes to pressure discharge the material from the cylinder into the impression.

2,272,221

WHEELED SCRAPER

George W. Mork, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application November 4, 1939, Serial No. 302,838
14 Claims. (Cl. 37—126)



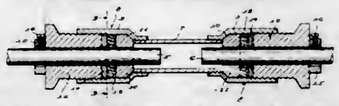
9. In an earth-moving scraper, the combination of: a main frame; an auxiliary frame, pivoted on pivots supported by the main frame, and having one end free to rise; ground-supports, for carrying said frames; a forward-dumping digging bowl, pivoted on pivots supported by the auxiliary frame; means to limit the extent to which the free end of the auxiliary frame can rise; means to brace the bowl against the work, when the bowl is in digging position; and control means, applied to the free end of the auxiliary frame and to the rear of the bowl, and adapted first to raise the auxiliary frame to its limit, and then to tilt the bowl, whereby the front of the bowl is first raised from digging position to carrying position, and then the rear of the bowl is raised to dumping position.

2,272,222

EMERGENCY REPAIR PIPE

James H. Mullen, Chicago, Ill., assignor to Sadie T. Mullen, Chicago, Ill.

Application May 1, 1940, Serial No. 332,803
1 Claim. (Cl. 285—196)



In a device of the class described, a sleeve, a pipe of smaller diameter than the sleeve and having one end extending thereinto, a tubular member having a reduced end threaded to one end of the sleeve and said member surrounding a portion of the pipe, said member having an intermediate portion tapered and its major portion of cylindrical shape with the tapered portion extending from the cylindrical portion to the reduced part which is threaded to the sleeve, a plug fitting in the tubular member and surrounding the pipe and having one end bearing against the end of the sleeve with said plug having a tapered portion bearing against the tapered part of the tubular member, a packing ring in the tubular member having one face bearing against the plug and an elongated nut member threaded in the cylindrical part of the tubular member and surrounding a part of the pipe and acting to compress the packing ring and to force the tapered part of the plug against the tapered part

of the tubular member and a collar adjustably connected with the pipe and engaging the outer end of the nut to prevent inward sliding movement of the pipe.

2,272,223

METHOD OF COMPLETELY STERILIZING AND PURIFYING BATHING WATER IN SWIMMING POOLS

Kurt Pietzsch, Holbriegelskreuth, near Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

No Drawing. Application May 4, 1939, Serial No. 271,742. In Germany May 11, 1938
2 Claims. (Cl. 210—11)

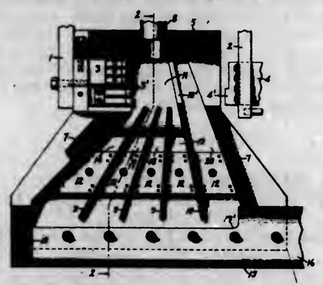
2. The method of sterilizing and purifying bathing water in swimming pools by the use of chlorine and hydrogen peroxide which comprises chlorinating the entire water present in the pool to a high concentration of chlorine suitable for complete sterilization while the pool is not in use, that is, 0.3–0.7 gram chlorine per cubic meter, thereafter eliminating excess chlorine by addition of hydrogen peroxide and then sterilizing while the pool is in use by continuously adding chlorine and then hydrogen peroxide to small portions of the pool water and adding this to the pool while at the same time withdrawing an additional portion for such treatment.

2,272,224

GAS BLAST ELECTRIC CIRCUIT BREAKER

William K. Rankin, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application October 29, 1940, Serial No. 363,325
12 Claims. (Cl. 200—148)



1. A gas blast circuit breaker comprising relatively movable contacts, means for directing a gas blast through the arc gap formed upon separation of said contacts, insulating arc extinguishing structure including organic vaporizable material into which said gas blast is directed for extinguishing said arc, said structure also defining a combustion space, and means for guiding hot combustible blast gases flowing from the region of said arc so as to mix with a supply of comparatively cool gas after arc interruption within said combustion space prior to venting of the exhaust gases to atmosphere.

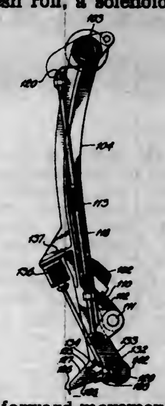
2,272,225

WEB SPLICING DEVICE

Charles L. Ricards, South Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application September 1, 1937, Serial No. 162,002
1 Claim. (Cl. 242—58)

In a pasting device for a web roll, the combination of a shaft, a pair of pasting arms on said shaft, manual means for turning said shaft and moving the pasting arms into operative position, a brush shaft, movably mounted on said arms, supporting pasting brushes, spring rods on said pasting arms acting to move said brush shaft to throw the brushes and running web forward against the fresh roll, a solenoid operated latch



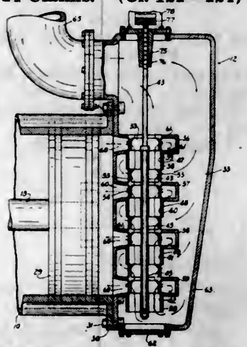
to prevent this forward movement until the solenoid is energized, a pair of cams mounted on the supports for the pasting arm shaft which engage the spring rods to force the brushes backward to reset position when the pasting arms are raised to inoperative position.

2,272,226

STEAM ENGINE

Allen M. Rossman, Wilmette, Ill.

Application October 8, 1938, Serial No. 233,997
14 Claims. (Cl. 121—124)



7. In combination, a valve seat comprising a tubular member having a plurality of ports formed therein all opening through the periphery of the tubular member, the ports being around substantially the entire periphery of the member and adjacent groups of ports being spaced from each other lengthwise of the member, and a valve extending through the seat and including a rod and a plurality of spaced rings actuated by the rod and slidable snugly in the tubular members to cover alternate ports to control the flow of fluid through the device.

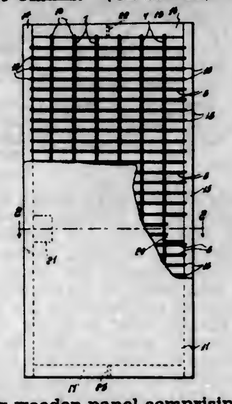
9. In combination, a steam engine having at least two separate valves, each of the valves including a longitudinally movable valve stem, a separate operating linkage positively connected to each stem and a common operating rod positively connected to at least two of the operating linkages, each of the two last mentioned linkages including means for maintaining the valve stem associated therewith stationary during substantially the entire effective operative movement of the valve stem that is associated with the other of the two linkages.

2,272,227

HOLLOW PANEL

Jesse F. Thomas, New London, Wis.

Application November 16, 1939, Serial No. 304,841
6 Claims. (Cl. 20—91)



1. A hollow wooden panel comprising a wooden frame, notches along the inner periphery of said frame, a cellular core formed of two intersecting sets of wooden core strips with the lines of intersection in alignment with said notches along the inner periphery of said frame; the width of each core strip being generally the same as the thickness of said frame, elongated apertures in one set of strips at the zones of intersection and extending longitudinally of the strips and longitudinally along the neutral axis thereof, each aperture being formed by intersecting circular openings of the same size described from centers disposed on lines parallel to the longitudinal edges of the strips, whereby the apertures are provided solely by the boring of two holes on axes perpendicular to the faces of the strips, and pairs of opposed and inwardly extending transversely aligned notches in the other set of strips at the lines of intersection with the width of the latter strips intermediate the notches being the same as the diameter of the circular openings, the longitudinal dimension of said apertures being sufficient to accommodate the width of the intersecting set of strips, and the transverse dimension of said apertures being sufficient to accommodate the narrowed portions of the intersecting set of strips intermediate the juxtaposed pairs of notches thereof, and said notches in said intersecting set of strips being of a width generally the same as the thickness of the strips of the other intersecting set, the ends of said two sets of intersecting strips extending into said peripheral notches in said frame and being supported thereby.

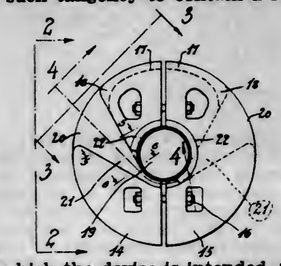
2,272,228

DIVIDER IN DRILLING DRUMS

Herbert W. Thornburg and Roger Sherman Hoar, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application December 2, 1940, Serial No. 368,182
12 Claims. (Cl. 242—117)

1. A drum divider, consisting of a flat disc, centrally circularly apertured to embrace a winch-drum and thereby divide the drum into a storage side and an active side, characterised by having on a portion of its periphery a groove of radius nowhere substantially less than the radius of the central aperture, and of width to accommodate one strand of rope of the size for which the device is intended, and of angular extent substantially less than 360°; and, on each face of the disc: an opening leading into the peripheral groove; a groove in extension of the peripheral groove, and extending to tangency with the central aperture, and of sufficient depth clear to the point of such tangency to contain a rope of the



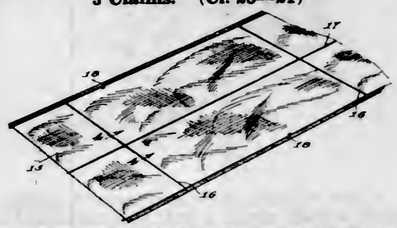
size for which the device is intended, thence extending along said aperture with depth gradually decreasing to zero; and a spiral wedge on each face of the disc, extending along said extension aperture, from substantially the point of emergence of said extension groove to a point just short of the point of tangency of said groove, and of a constant radial width substantially the same as the thickness of the rope for which the device is intended, and of an axial thickness gradually increasing from zero up to substantial equality with its width; said divider being separated into two identical halves, and having means to secure the two halves together and thereby clamp them to the drum.

2,272,229

IDENTIFYING MEANS FOR TEXTILES

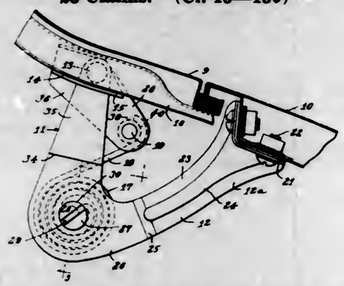
Jesse Le Roy Tucker, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application November 24, 1937, Serial No. 176,221
3 Claims. (Cl. 28—21)



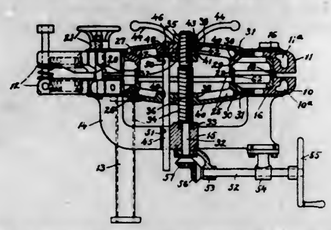
1. The method of identifying and tracing organic textile fabrics throughout the dyeing operations thereon which includes the step of weaving into such fabrics during the weaving operation and at a predetermined place thereon, an indicator of predetermined characteristics localized at said place, said indicator being a fibrous glass yarn incapable of being dyed, and subjecting the fabric after weaving to a dyeing operation whereby the organic fibers are colored while the glass yarn remains unaffected so as to be clearly distinguishable visibly from the juxtaposed organic fibers and thereby serve to identify the dyed fabric.

2,272,230
COUNTERBALANCED LID SUPPORT
Harold E. Van Voorhees, Detroit, Mich.
Application January 23, 1939, Serial No. 252,363
23 Claims. (Cl. 16—180)



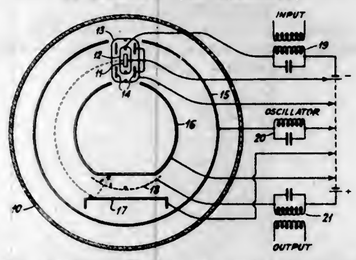
2. The combination with a stationary part and a part pivoted with respect thereto for movement by gravity, of counterbalancing means for supporting the pivoted part in equilibrium in raised positions, comprising a torsion spring carried on one of said parts and adapted by its spring pressure against the other of said parts to counterbalance the pivoted part, said spring having a pressure applying end extension, and an abutment for said extension on the other of said parts which in the lowered position of the pivoted part is between but out of alignment with the pivot and the spring mounting but which in the raising of the pivoted part approaches alignment with the pivot and spring mounting, whereby to cause relative movement between the end extension of said spring and said abutment to automatically vary the counterbalancing effect of said spring.

2,272,231
RETREADING VULCANIZER
Walter P. Voth, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application October 18, 1939, Serial No. 299,988
8 Claims. (Cl. 18—18)



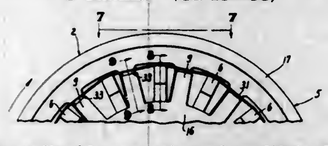
7. A tire retreading vulcanizer comprising a support, a tread mold, a pair of adjustable tire-side confining members, a shaft having right and left hand threads and carried by said support and positioned axially of said mold, one of said members being in threaded engagement with one of the threads of the shaft, a nut in threaded engagement with the shaft, the other of said members being loosely mounted on said nut, said members and nut having aligned openings therein, a rod extending through said openings and slidably engaging said support for holding the members and nut against rotation, and a removable clamping nut engaging the other of the threads on said shaft for holding said other member against said first-mentioned nut.

2,272,232
ELECTRON BEAM TUBE
Herbert M. Wagner, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,711
12 Claims. (Cl. 250—175)



1. An electron discharge device including an envelope containing a cathode surrounded by a control grid and means for forming electrons from the cathode into a beam, means including a control electrode adjacent the beam of electrons for causing said beam to travel along a curved path, an electrode positioned in the path of said beam and coated with emitting material for emitting electrons when struck by said beam and an electrode adjacent the secondary electron emitting electrode for receiving secondary electrons emitted by the secondary electron emitting electrode and coated with a secondary electron emitting material, and a foraminous electrode positioned between the coated surfaces of the secondary emitting electrodes for receiving secondary emitted electrons.

2,272,233
METHOD OF PROCESSING THREAD OR THE LIKE
Clarence C. Walters, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 3, 1938, Serial No. 205,863
6 Claims. (Cl. 18—54)



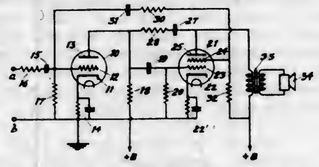
1. In a liquid processing of multiple filament thread or the like on a rotatable thread-advancing reel made up of a plurality of spaced, longitudinally extending bar members which support the thread or the like, which cooperate during rotation of the reel to advance it lengthwise thereof in a plurality of generally helical turns, and some of which are retracted within the periphery defined by adjacent bar members during operation of the reel, the method comprising applying processing liquid to the thread or the like on the reel, operating the reel in such manner as to spread the filaments of adjacent turns of thread or the like into a thin layer, and retracting each of said retractable bar members within the turns of thread or the like carried by adjacent bar members by an amount sufficient to cause the retracted bar member to break contact with the turns of thread or the like carried by said adjacent bar members but nevertheless insufficient to cause the retracted bar member to break contact with the processing liquid carried by said turns of thread or the like, whereby is prevented disarrangement of the filaments in adjacent turns of thread or the like.

2,272,234
CLOSURE CAP AND PACKAGE
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1937, Serial No. 138,958
5 Claims. (Cl. 215—38)



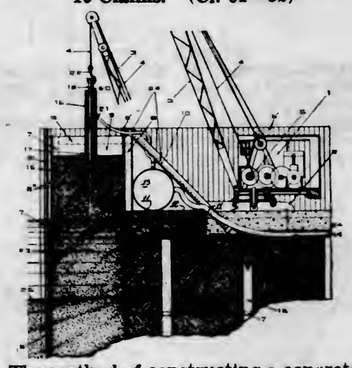
1. A closure for sealing packing receptacles, comprising a shell having a top and depending annular skirt, said skirt being formed at its upper end with a shallow restricted annular portion which is of relatively small diameter, and with a substantially non-distensible lower portion which at both its upper and lower limits is of materially larger internal diameter than said restricted portion, said skirt having formed in its lower portion a plurality of circumferentially distributed inwardly projecting substantially rigid embossments which merge at their upper ends into said restricted portion and at their lower ends into said lower portion at a distance above its lower margin and outwardly beyond said restricted portion, and a gasket of plastic sealing material secured in the shell against the top with its periphery alongside said restricted portion of the skirt, said embossments in the skirt being disposed on a radius from its axis such as to permit the mouth of the intended vessel to enter freely into sealing contact with the gasket without any distortion of the shell, and serving to space the lower portion of the skirt outwardly from the mouth of the vessel.

2,272,235
ELECTRON TUBE AMPLIFIER
Heinz Boucke, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation, a corporation of New York
Application May 28, 1940, Serial No. 337,606
In Germany July 18, 1939
13 Claims. (Cl. 179—171)



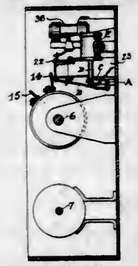
12. The combination with an alternating current electron tube amplifier, of a positive feedback circuit connected between points of higher and lower energy level of said amplifier, and means to normally render said feedback ineffective for input signal amplitudes below a predetermined limit beyond which non-linear distortion of the amplifier occurs due to saturation of said tube and to increase said feedback as the signal amplitude exceeds said predetermined amplitude to compensate for said non-linear distortion.

2,272,236
METHOD OF AND APPARATUS FOR BUILDING SEA WALLS
James B. Brockhurst, Red Bank, N. J.
Application November 17, 1937, Serial No. 174,957
10 Claims. (Cl. 61—52)



1. The method of constructing a concrete-block seawall or the like which consists in erecting at the front end of a stationary supporting structure a coffer dam having said front end as one side thereof, said coffer dam extending below the desired level of the bottom of the sea wall, in casting in a mold at the upper portion of said coffer dam a concrete block having a vertical passage extending from the bottom to the top thereof and having its rear wall in substantially the same plane as the front surface of said supporting structure, in filling the coffer dam and the bottom of said mold with material such as sand and gravel, so as to support said block and in scouring out material from beneath the block and removing the same centrally of the block.

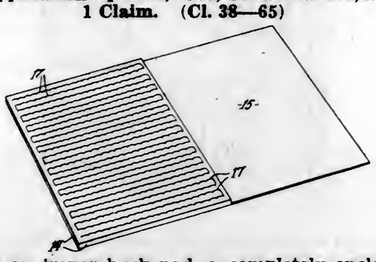
2,272,237
TIME CYCLE CONTROLLER
William J. Brown, Evan A. Edwards, and Ernest J. Heidmann, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 11, 1940, Serial No. 360,822
3 Claims. (Cl. 161—1)



1. A time cycle controller comprising a rotatable member, a pair of actuators carried by said member, a trip mechanism supported in operative relation to said actuators and comprising a support, a pair of spaced parallel members mounted for limited pivotal movement on said support, resilient means connecting said members at one side of said support, said resilient means being effective at an inclined angle to said support, means for latching said members together at the side of said support opposite said resilient means, one of said actuators be-

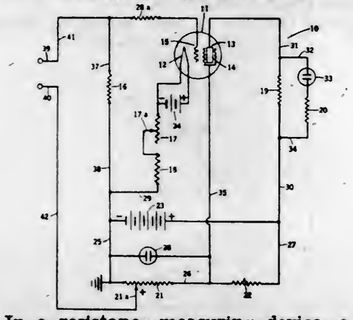
ing adapted to release said latching means, the other of said actuators being adapted to restore said latching means, and control means adjusted by said trip mechanism in its latched and unlatched positions.

2,272,238
IRONER PAD
John A. Castricone, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois
Application April 26, 1939, Serial No. 270,138
1 Claim. (Cl. 38—65)



In an ironer buck pad, a completely enclosed cloth fabric section, an inorganic matted fiber stuffing enclosed within said section, quilt stitching throughout the enclosed section, said enclosed cloth section and stitching co-acting to compress the fiber stuffing to a fraction of its loose volume and to retain the fibers within the enclosed quilted section with developed dimensions to fit the buck, and a fabric flap attached to the quilted section, said flap being of sufficient length to envelop the pad on the buck, whereby the pad may be first compressed in firm resilient quilted form, applied to fit the buck and retained in compressed relation on the buck.

2,272,239
DEVICE FOR MEASURING ELECTRICAL RESISTANCE
William J. Delmhorst, Jersey City, N. J.
Application September 19, 1939, Serial No. 295,572
17 Claims. (Cl. 175—183)



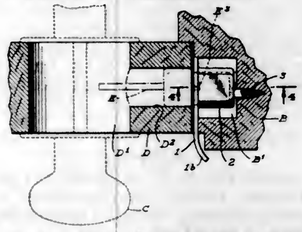
1. In a resistance measuring device, a lamp, a potentiometer, a pair of terminals across which an unknown resistance is connected, a circuit connecting said lamp, potentiometer and terminals, a vacuum tube in said circuit having an anode and a control grid, the lamp being connected in the anode circuit of said tube, means to impose a potential on said control grid to maintain the voltage across said lamp sufficiently low so that said lamp is not illuminated, means controlled by said potentiometer to decrease the grid bias to raise the voltage across the lamp for illuminating said lamp, said means being dependent upon the magnitude of the unknown resistor.

2,272,240
THERMOMETER
Evan A. Edwards, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application November 16, 1940, Serial No. 365,998
6 Claims. (Cl. 73—374)



3. A thermometer comprising a trough-shaped case having a back and side and end walls, the inner surface of said side and end walls having a continuous groove therein, springs supported within said case adjacent said groove, a cover plate resiliently supported within said case by said springs, and a continuous open frame of flexible sheet material seated in said groove and overlying the margin of said cover plate.

2,272,241
DOOR LATCH STRIKE PLATE
Harry E. Fendring, Los Angeles, Calif., assignor, by mesne assignments, to California Lock Company, Los Angeles County, Calif., a corporation of California
Application February 15, 1939, Serial No. 256,520
6 Claims. (Cl. 292—340)



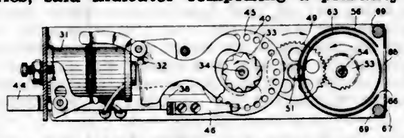
1. In a strike plate of the class described, for a door casing having a relatively deep drill hole and a shallow transverse slot from the hole to the outer edge of the casing, a plate with a semi-circular end, adapted to be positioned over the hole with the semi-circular end fitting the wall at one side of the hole, and the opposite end portion of the plate being adapted to fit the shallow slot, said plate being provided at its back side with a hollow bolt-receiving projection adapted to fit into the hole.

2,272,242
INDICATING DEVICE
Ernest Frischknecht, Jackson Heights, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1937, Serial No. 159,849
10 Claims. (Cl. 177—328)

1. In an indicator, a rotatable shaft, indicia bearing means rotatably mounted on said shaft, cam driving mechanism between said shaft and indicia bearing means to cause the latter means to follow and to lag the movement of said shaft during rotation of the shaft to a new position,

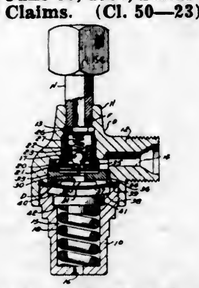
and means including said cam driving mechanism for arresting the movement of the indicia bearing means after said means has moved through the same angular distance as the shaft.

7. An indicator of the class described for selectively displaying any one of the characters of a series, said indicator comprising a plurality of



nested rotatable elements having said characters of the series apportioned thereto and coacting to selectively display any character of said series, the outermost of said elements having an aperture for displaying the characters of the other element, and means responsive to signals for rotating said elements to different positions respectively to display said characters.

2,272,243
FLUID CONTROL APPARATUS
Wilgot J. Jacobsson, Scotch Plains, and Samuel R. Oldham, Elizabeth, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application June 30, 1937, Serial No. 151,094
9 Claims. (Cl. 50—23)



1. Apparatus for controlling the flow of fluids, comprising a housing having inlet and outlet passages; a hollow bushing removably secured in said inlet passage and having a port through which the fluid flows from said inlet passage to said outlet passage; a valve disposed within said bushing for controlling the flow of fluid through said port; a spring within said bushing for normally pressing said valve against its seat to close said port; a diaphragm subject to the pressure of fluid in said outlet passage; resilient means for exerting pressure upon said diaphragm in opposition to said fluid pressure; means operatively connected with said diaphragm for actuating said valve, said last-mentioned means including a pin extending through said port and into contact with said valve; and a thin slotted disc of resilient material in frictional contact with said pin for dampening vibration of the same.

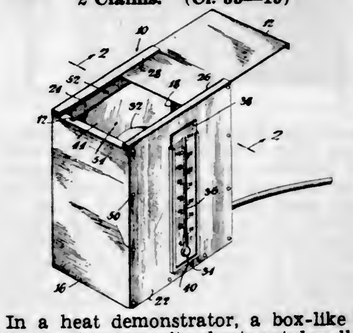
2,272,244
SLEEVE AND METHOD OF CONNECTING A WIRE TO SAME
Charles H. Klein, Cleveland, Ohio, assignor to The National Telephone Supply Company
Application January 4, 1940, Serial No. 312,387
4 Claims. (Cl. 29—148)

1. The method of fastening the end of a wire to withstand a pulling force from a certain direction which comprises providing a hollow metal sleeve with an end portion, inserting the end of the wire into the sleeve, squeezing the end portion of the sleeve nearest the direction from which the force comes upon the wire to establish a frictional engagement therebetween which is



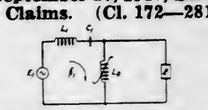
capable of withstanding a portion of the pull on the wire with respect to the sleeve, squeezing another portion of the sleeve upon the wire to establish a "necking" engagement therebetween which is capable of withstanding the remainder of the pull on the wire with respect to the sleeve.

2,272,245
INSULATION DEMONSTRATOR
Cecil Dodgson Kuck, Richmond, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application October 29, 1940, Serial No. 363,259
2 Claims. (Cl. 35—19)



1. In a heat demonstrator, a box-like enclosure having two opposite sheet metal walls, each of said walls having its upper sections terminating in inturned channel grooves, the other opposing sides and bottom comprised of wood, a sheet metal cover portion adapted to slide in said grooves, a heat source mounted on said bottom portion and located substantially centrally in said enclosure, and vertical grooves in said opposite wooden sides, said grooves located between said heat source and one metal wall and an insulating sheet mounted in said grooves.

2,272,246
ELECTRICAL FREQUENCY CHANGER
Jack M. Manley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 17, 1940, Serial No. 357,115
6 Claims. (Cl. 172—281)



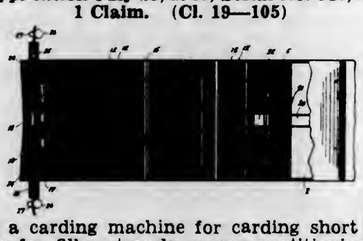
1. In a circuit for generating a non-harmonic component of a base frequency f_1 comprising a non-linear inductance, an input circuit including a source of sinusoidal waves of said base frequency connected across said inductance, and an output circuit for the generated frequency connected across said inductance, means to make said generating circuit self-starting and self-sustaining for the generated non-harmonic frequency component comprising an impedance network in said output circuit making the reactances X_2 and X_3 of said output circuit at the frequencies

f_2 and f_3, respectively, such as to substantially neutralize the reactance X_2' and X_3' of said inductance at these respective frequencies, and making the total resistance R_2 and R_3 of said output circuit and said inductance at these respective frequencies less than a critical value R_{2m} which is a function of the effective reactance of said inductance, as defined in the specification, one of the two frequencies f_2 and f_3 being the non-harmonic frequency component to be generated and the two frequencies being related to the base frequency f_1 by the relation $2mf_1=f_2+f_3$ where m is an integer.

2,272,247

MEANS FOR MAKING FILLERS FOR RUGS

Romeo Paulus, Plainville, Mass.
Application July 25, 1940, Serial No. 347,443
1 Claim. (Cl. 19—105)

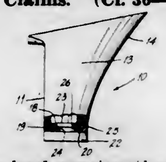


In a carding machine for carding short wool fibers for filler strands, means partitioning the carding machine into two halves whereby the fibers on one half of the roll remain separated from the fibers on the other half of the roll, a final doffer roll, a tapered roll associated with said doffer roll tapered from a small center section outward to large end sections adjacent the end sections of the doffer roll and rotatable trumpet-like tubes for drawing the filler strands off at the ends of the doffer.

2,272,248

HEEL TAP

Henry N. Pearson, St. Louis, Mo., assignor to Pearson Heel Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application February 7, 1938, Serial No. 189,056
6 Claims. (Cl. 36—42)



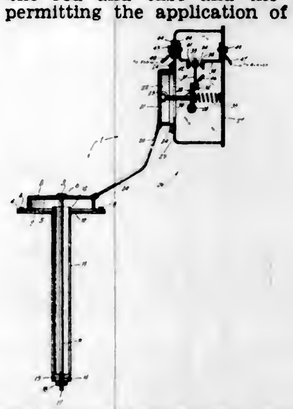
1. In a shoe heel construction, a heel member having an opening in the bottom thereof, opposite edges of said opening sloping downwardly and inwardly, a heel element, and a metal plug on said element, said plug having opposite edges undercut to be engageable with the edges of the heel member opening, said opposite edges of the plug being yieldable toward each other but normally urged away from each other, whereby the plug may be forced into the opening and will be firmly secured therein by interengagement of said edges.

2,272,249

HYDRAULIC TRANSMISSION

Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application December 27, 1938, Serial No. 247,780
3 Claims. (Cl. 200—137)

1. A device adapted to actuate the lever arm of a furnace switch adapted to move between two contacts to alternately close and make a burner unit circuit and a fan circuit, said actuating device including a thermally actuatable assemblage comprising a rod and tube fixed together at one end, and a hydraulic connecting means comprising spaced diaphragms and a connecting tube, one of said diaphragms being operatively connected to the rod and tube and the other diaphragm being adapted to be operatively connected to the arm of a switch, the connection between the rod and tube and the one diaphragm permitting the application of pressure

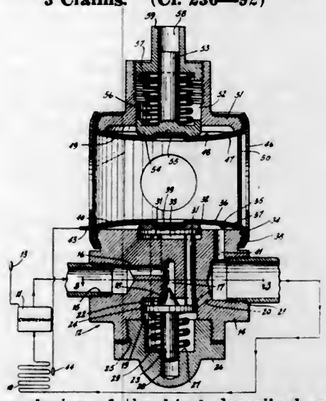


to the hydraulic connecting means upon cooling of the thermally actuatable assemblage and to release the pressure upon the hydraulic connecting means upon expansion through heating of the thermally actuatable assemblage, said other diaphragm being adapted to close the burner unit circuit upon the application of pressure by the thermally actuatable assemblage to the hydraulic connecting means, and to permit closing of the fan circuit and breaking of the burner unit circuit upon release of pressure upon the hydraulic connecting means by the thermally actuatable assemblage, thereby providing a fail-safe actuating mechanism.

2,272,250

REGULATOR VALVE

Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application July 1, 1940, Serial No. 343,461
3 Claims. (Cl. 236—92)



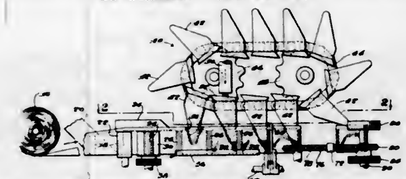
1. In a device of the kind described, a valve

housing, a valve chamber in the housing, a valve therein, a diaphragm secured across a part of the housing, a cover over the diaphragm and sealed thereto about the edges, said diaphragm and housing providing a pressure chamber, a passage in the housing connecting the pressure chamber with the valve chamber, the cover and the diaphragm forming a first expansion chamber, a tube connected into said first expansion chamber, support means on the valve housing, a second expansion chamber on the support means, pressure means resisting expansion thereof, means connecting the two expansion chambers, and an expansible fluid entirely filling the two expansion chambers, the connecting means, and the tube.

2,272,251

METHOD OF AND APPARATUS FOR PRODUCING BAGS

George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 11, 1941, Serial No. 382,688
15 Claims. (Cl. 93—3)

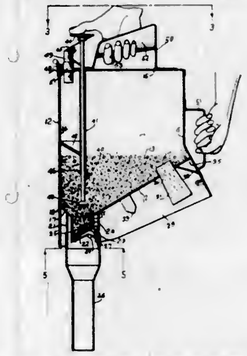


1. In apparatus for making and filling bags, in combination, means for operatively supporting a strip of bag forming material comprising a series of connected bag sections open at their tops, a cutter for severing a bag section from the strip, a plurality of hollow filling members mounted to be successively inserted into successive bag sections through the tops thereof and to be moved after insertion into a bag section into engagement with the rear edge of the forward side seam thereof to move the strip into a position to register the aforesaid side seam with relation to the cutter, and gripping means for gripping and moving the severed bag section from said strip.

2,272,252

BAIT SPREADER

Charles Sponsel, Albuquerque, N. Mex.
Application October 5, 1939, Serial No. 298,081
7 Claims. (Cl. 221—103)

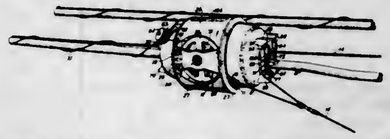


1. A dispensing device for dealing out uniform material, said device comprising a chamber for retaining material to be dispensed, said chamber having a sloping bottom wall, a discharge outlet in said bottom wall, an inlet opening in said sloping wall spaced from said outlet, closure means for said inlet opening, a valve in said discharge outlet, a spout section attached to said bottom wall and enclosing said valve, said sloping bottom wall forming a common wall for retaining said material to be dispensed and for supporting material to be charged into said chamber to refill said device, means associated with said valve for forcing the valve open to discharge material from said chamber, and means associated therewith for controlling the amount of material dispensed through said discharge outlet during operation of said device.

2,272,253

CABLE LASHING MACHINE

Everett St. John, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1940, Serial No. 363,289
5 Claims. (Cl. 175—376)



1. A machine for securing cable to a messenger or supporting strand which comprises two stationary housings spaced apart and having a drum rotatably supported therebetween, said housings and said drum having aligned central bores for the reception of an aerial cable and its supporting strand, said machine arranged to be positioned about and advanced along a cable and strand, a preformed coil of lashing wire carried by said drum, shafts journaled in said stationary housings having pulleys mounted thereon which frictionally engage the strand, means mounted on said shafts, said means in operative relation to wheels which are in engagement with said drum to cause the rotation thereof as it advances to cause the lashing wire carried by said drum to be wrapped around the strand and cable.

2,272,254

FLEXIBLE PRINTING PLATE

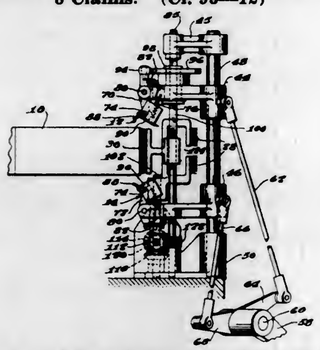
Hylton Swan, Upper Montclair, N. J., assignor, by mesne assignments, to Bakelite Corporation, a corporation of New Jersey
Application June 17, 1938, Serial No. 214,319
4 Claims. (Cl. 41—25)



1. Method of molding printing plates and the like in a matrix from a curing rubber composition which comprises forming a grid from a mesh fabric by varnishing to set the meshes of the fabric, applying to the grid a layer of the curing rubber composition, placing the assembled grid and rubber layer on the matrix with the grid contiguous to the matrix, applying heat and pressure to force the rubber through the grid and into the matrix depressions for a period corresponding to the set time of the rubber, filling out the plate structure with an amount of the rub-

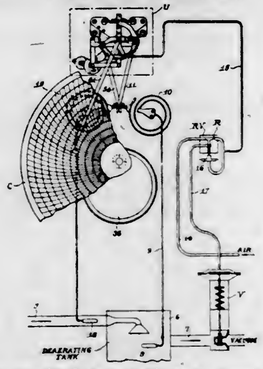
ber composition requisite for a desired thickness, and applying heat and pressure with bearers to govern the thickness to cure the composition.

2,272,255
CARTON FORMING MACHINE
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 14, 1939, Serial No. 284,435
8 Claims. (Cl. 93—12)



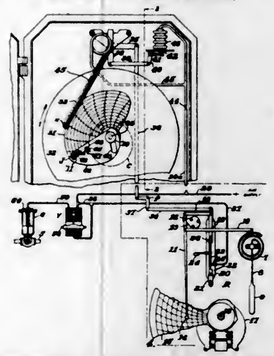
1. In a container forming machine, in combination, a rectangular forming block about which the container forming material is wrapped to form a tubular body portion having one end extended beyond the block, and means for folding down said extended end to form the bottom of the container comprising a pair of pivotally and yieldingly mounted folding plates adapted to engage and fold down two opposed portions of said extended end, and a plurality of rotating brushes adapted to engage the remaining opposed portions of said extended end and to fold them down in overlapping relation to the underlying folded down portions, said folding plates being arranged to be vertically reciprocated into and out of operative engagement with their respective opposed portions of said extended end.

2,272,256
RATIO CONTROLLER
William H. Vogt, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 27, 1941, Serial No. 395,427
7 Claims. (Cl. 74—1)



1. In a control apparatus, a control member movable to different positions in accordance with a resultant effect caused jointly by variations in two different conditions, mechanism including a lever for operating said member, means responsive to variations in one of said conditions for effecting a movement of said lever, mechanism including an adjustable ratio linkage operated in response to variations in the second condition for moving said lever. said adjustable ratio linkage including a first link having one end mounted to swing on a fixed pivot in response to said last-mentioned variations, a second link having one end pivotally connected to said lever, a third link pivotally connecting the remaining ends of said first and second links, said links together with a portion of said lever generally approximating the form of a quadrilateral, a fourth link having one end pivotally connected to the pivotal connection between said second and third links, and a normally fixed pivot adjustable to any one of a plurality of positions located in the arc of a circle intersecting the locus of the pivotal connection of said lever with said second link, the remaining end of said fourth link being rotatable on said fixed pivot.

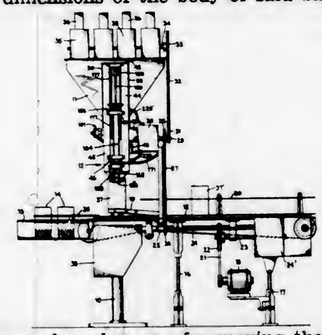
2,272,257
TIME CYCLE SYSTEM
William H. Vogt and Gilbert E. Buske, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 3, 1941, Serial No. 413,478
8 Claims. (Cl. 161—1)



1. In a time cycle device, a cam having an outline corresponding to a predetermined schedule, means including a nozzle mounted to follow the outline of said cam, a source of pressure fluid communicating with said nozzle, means including the edge of said cam for varying the fluid pressure in said nozzle, means responsive to said varying pressure for positioning said nozzle with respect to said cam, and means adjusted in accordance with the movement of said nozzle.

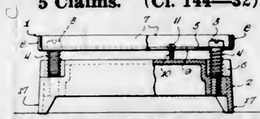
2,272,258
BAG OPENING AND FILLING MACHINE
Howard G. Allen, North Tonawanda, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application November 4, 1938, Serial No. 238,771
18 Claims. (Cl. 226—59)

2. In a device for opening and squaring the bottom of a bag, the combination comprising a set of four relatively movable fingers, means to move said fingers into a position in which the ends thereof are positioned at the corners of a rectangle having smaller dimensions than the corresponding dimensions of the rectangle formed by the bottom of said bag when fully squared whereby said fingers may be inserted into said bag, means to move said fingers into said bag to such an extent that only sufficient bag material will lie beyond the ends of said fingers to provide a rectangular bottom with dimensions substantially equal to the cross-sectional dimensions of the body of said bag when



fully opened, and means for moving the fingers so that the ends thereof will be positioned at the corners of said bag and to expand each dimension of the original rectangle formed by the fingers until each dimension equals the corresponding dimension of the rectangle formed by the bottom of said bag when fully squared whereby to draw the bag material beyond the ends of said fingers into a rectangular form lying substantially within the plane of the ends of said fingers.

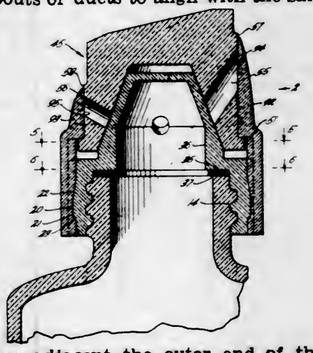
2,272,259
FASTENER HOLDING FIXTURE
Frank K. Ames, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application November 27, 1939, Serial No. 306,256
5 Claims. (Cl. 144—32)



1. A fastener holding fixture of the character described comprising, a base element, a tray element above said base element and having slots therein to receive and support a supply of headed fasteners with their headed ends bridging the slots and their shank portions extending through and below said slots, coiled springs between the tray and the base elements for yieldably supporting the tray element above the base element with the lower ends of the fasteners normally out of contact with the base element whereby the headed ends of the fasteners will be lifted above the slots on depressing the tray element towards the base element to engage the lower ends of the fastener with the base element, and rod-like members connecting the tray and base elements through said springs.

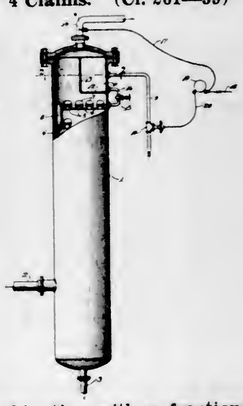
2,272,260
CONTAINER CLOSURE
William Irwin Ballentine, Beverly Hills, and Charles C. Coghlan, Los Angeles, Calif.
Application April 22, 1940, Serial No. 330,942
7 Claims. (Cl. 215—76)

1. A container closure including a cap having a skirt portion adapted for attachment to a container and having an upwardly extending cone thereabove, said cone being provided with one or more ports, a rotatable valve element mounted on the cone for rotation and having a complementary internal surface, there being one or more spouts or ducts to align with the said ports,



the valve adjacent the outer end of the ducts having cylindrical surfaces and fixed cut-off lugs with means securing same to the cap and provided with internal cylindrical surfaces to form a sealing closure for the said ducts when the valve is in its shut-off position, the said cylindrical surfaces of the valve and lugs then interfitting.

2,272,261
FRACTIONATION
Donald J. Bergman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 24, 1940, Serial No. 331,313
4 Claims. (Cl. 261—39)



1. In combination with a fractionating apparatus having a vapor inlet, an outlet for a stream of fractionated vapors and means within the fractionating apparatus for contacting refluxing and cooling liquid with the vapors undergoing fractionation, an accumulator providing with a conduit for supplying refluxing and cooling liquid thereto and having an orifice through which refluxing and cooling liquid may flow by gravity from the lower portion of the accumulator into contact with the vapors undergoing fractionation adjacent said vapor outlet, a temperature sensitive device disposed adjacent said vapor outlet to contact the outgoing stream of fractionated vapors, said temperature sensitive device

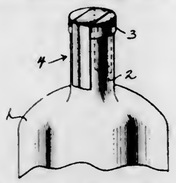
communicating with a controller and the controller being operatively connected with a valve in said conduit to open and close the same in response to minor variations in the temperature of said outgoing stream of fractionated vapors.

2,272,262

STRIP STAMP AND THE LIKE

Sidney T. Carter, New Kensington, Pa., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware

Application June 1, 1940, Serial No. 338,301
4 Claims. (Cl. 40—4)



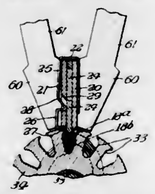
1. A strip stamp having layers of quick-setting adhesive at its end-portions and a layer of slow-setting adhesive intermediate said layers of quick-setting adhesive, all said layers being on the same face of said strip stamp, said slow-setting adhesive being adherent to a lacquered metal surface so that it can connect the respective part of the strip stamp to the lacquered surface of a metal member, said quick-setting adhesive forming an initial tacky connection with glass substantially immediately, so that when the end-portions of the stamp are applied to glass, said end-portions are then held to said glass substantially immediately solely by said initial tacky connection, and said end-portions will not curl away from the glass.

2,272,263

METHOD OF AND APPARATUS FOR INSERTING COILS IN ARMATURE CORES

Jasper F. Cullin, Detroit, Mich., assignor, by mesne assignments, of two-thirds to Lou Mervis, Chicago, Ill.

Application November 4, 1938, Serial No. 238,747
8 Claims. (Cl. 29—84)



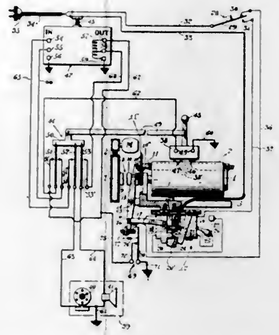
1. In apparatus for inserting form-wound coils into the grooves of armature-cores, the combination of a frame provided with means for supporting the core with one side of a coil secured in one of its grooves, a holder provided with means for removably attaching it to and supporting it from the free side of the coil before the core is placed in the supporting-means, means on said frame for supporting the holder, means for operating one of said supporting means for relatively positioning the core and holder so that a second groove in the core and the coil-side in the holder will be in radial registry after the core carrying the coil and holder has been placed in the supporting-means, and mechanism associated with said frame at said registered location and operable for discharging the coil-side from the holder into the second groove after it has been so positioned.

2,272,264

PHONOGRAPH

Michael J. Di Toro, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 3, 1939, Serial No. 297,643
13 Claims. (Cl. 179—100.4)



1. In a phonograph having a rotatable record support, a record-cooperating phonographic translating device and means for effecting a relative progressive movement between said device and said support: the combination of an amplifying sound-translating system including said phonographic translating device, an electro-acoustical translating device, and an oscillation-transmitting channel for interconnecting said devices; a clutch associated with said movement-effecting means and operable to place the same into and out of operative condition; means for placing said sound-translating system into and out of condition whereby one of said devices is ineffective to feed the other; and means for causing said last-mentioned means to be controlled by said clutch.

2,272,265

METHOD OF MAKING SULPHUR-CONTAINING ORGANIC CONDENSATION PRODUCTS

Walter Frost, Gerhard Källner, and Otto Kölbl, Saarau, Kreis Schweidnitz, Germany, assignors to the firm Silesia, Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany

No Drawing. Application December 14, 1939, Serial No. 309,302. In Germany January 20, 1939
3 Claims. (Cl. 260—29)

1. A process for producing an organic polysulphide plastic of high sulphur content, said process comprising heating an aqueous dispersion of an organic polysulphide plastic together with finely divided sulphur dispersed in said aqueous dispersion, said aqueous dispersion being obtained in the presence of a dispersing agent, by condensing an aqueous solution of a polysulphide selected from the group consisting of the polysulphides of alkali metals, alkaline-earth metals, and ammonium, with an organic compound containing two substituent atoms joined to carbon atoms, which substituents are split off during the reaction.

2,272,266

MANUFACTURE OF POLYCYCLIC HYDROCARBONS

Aristid V. Grosse, Bronxville, N. Y., and William J. Mattox, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 30, 1940, Serial No. 326,958
16 Claims. (Cl. 260—668)

1. A process for producing poly-cyclic hydrocarbons from n-butyl benzenes which comprises subjecting a n-butyl benzene to dehydrogenating and cyclizing conditions of temperature and time in the presence of a catalyst comprising a relatively inert support having deposited thereon a compound of a heavy metal selected from the left-hand column of the fifth group of the periodic table.

2,272,267

ALKALINE EARTH METAL SALTS OF DIHYDROXY HEXACHLORO DIPHENYL METHANE

William S. Gump, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application December 17, 1940, Serial No. 370,485
4 Claims. (Cl. 260—619)

1. Compounds selected from the group consisting of mono-magnesium and mono-alkaline earth metal salts of 2,2'-dihydroxy-3,5,6-3',5',6'-hexachloro diphenyl methane.

2,272,268

ALKALI METAL SALTS OF DIHYDROXY HEXACHLORO DIPHENYL METHANE

William S. Gump, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application December 17, 1940, Serial No. 370,510
4 Claims. (Cl. 260—619)

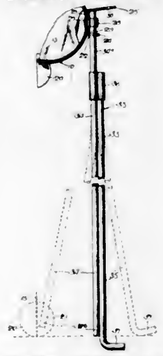
1. Mono alkali metal salts of 2,2'-dihydroxy-3,5,6–3',5',6'-hexachloro diphenyl methane.

2,272,269

PORTABLE PICTURE SCREEN SUPPORTING MEANS

John T. Heck, Elmhurst, Ill., assignor to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois

Application September 9, 1940, Serial No. 355,966
8 Claims. (Cl. 88—24)



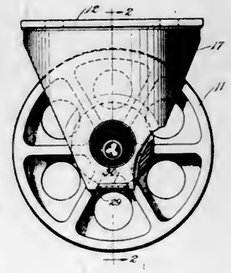
1. In a portable picture screen supporting means of the character described, the combination of a supporting rod, a container having a screen web wound therein and mounted horizontally of said supporting rod, a U-shaped bracket fixed on said container and having its flanges provided with misaligned rod-receiving openings, an extruded portion on said bracket coacting with the opening of one of the flanges for receiving the rod therethrough in abutting relation with the other flange, the opening of the other flange being arranged to receive and for sliding movements on said supporting rod and serving to lock the container against sliding movement on said rod upon the unwinding movement of said screen web.

2,272,270

CUSHIONED MOUNTING FOR WHEELS

Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 15, 1939, Serial No. 309,367
9 Claims. (Cl. 267—63)



1. A spring suspension for a vehicle in which a structure comprising a bracket is supported by an axle, said suspension comprising a pair of members connected respectively to said structure and axle, said members having opposed faces extending generally in the vertical direction, and a body of rubber-like material between said faces and bonded thereto for cushioning vertical springing movements by shear stress on said body, the axle being secured to one of said members and being movable with respect to the other member, the said other member being recessed to accommodate vertical movements of the axle and being adapted to be secured to said bracket.

2,272,271

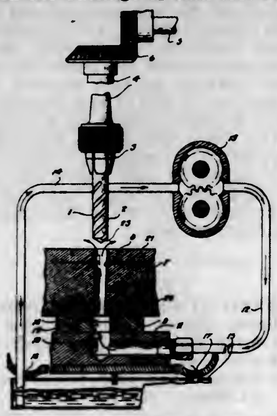
METHOD AND APPARATUS FOR MACHINING MATERIALS

Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan

Application April 10, 1939, Serial No. 267,013
14 Claims. (Cl. 77—68)

14. In an apparatus having a solid machining tool advanceable through a hole in a piece of work to machine the said hole having one end opening directly to atmosphere, positive pressure means connected to the other end of the hole for forcing a lubricating liquid into said end through said hole, and out said one end thereof, in a direction always opposed to that of the advancing tool whereby the liquid is discharged from the

first mentioned end of the hole directly to atmosphere and the cuttings of said tool are removed



from the cutting end of the tool and hole as soon as formed.

2,272,272

PROCESS FOR PREPARING HYDROXY NAPHTHALENE COMPOUNDS

Harold G. Mow, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application September 2, 1939, Serial No. 293,201
8 Claims. (Cl. 260—512)

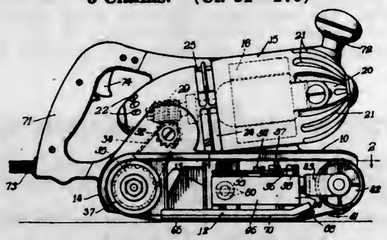
1. In the alkaline partial hydrolysis of a naphthalene sulfonate containing at least one hydrolyzable group in addition to the sulfonate group to be hydrolyzed, the improvement which comprises forming a mixture of the naphthalene sulfonate and caustic soda is an H/S ratio between 1.2 and 2.0 with sufficient water to provide a mass having the consistency of dough at a hydrolysis temperature between 170° and 250° C., heating the mass at the hydrolysis temperature, and simultaneously subjecting it to the kneading-impacting action of loose, massive, tumbling agitators.

2,272,273

SANDING MACHINE

Leonard E. Parker, Cary, Ill., assignor to Skilsaw, Inc., Chicago, Ill., a corporation of Delaware

Application January 5, 1940, Serial No. 312,454
3 Claims. (Cl. 51—170)



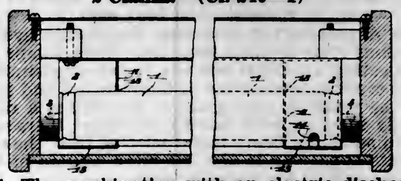
1. In a sanding machine, the combination with a sustaining frame, a driving roll carried thereby, and means for operating said driving roll, of a supporting roll associated with said sustaining frame and movable relatively to said driving roll, an endless abrasive belt trained over said rolls, means for moving the supporting roll in relation to the driving roll to maintain the abrasive belt in distended position, and manually operable toggle mechanism, for retracting the supporting roll to a fixed position to loosen the abrasive belt and free the latter from its distended position.

2,272,274

ELECTRIC DISCHARGE LAMP

Alphonse F. Pieper, Brighton, N. Y.

Application June 5, 1940, Serial No. 338,965
2 Claims. (Cl. 240—1)



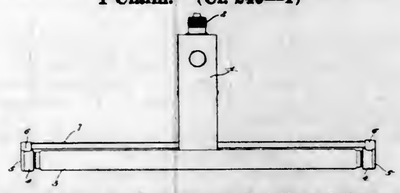
1. The combination with an electric discharge lamp comprising an elongated translucent hollow container having an electrode at each end thereof, of a transversely curved housing within which said lamp is supported, of opaque light obstructing means including a partition having a curved edge conforming to said curved housing and an opening to receive the lamp, said partition having a lateral wall at its base extending toward the adjacent end of the housing and overlying and concealing from view the end portion of the lamp beyond the partition.

2,272,275

ELECTRIC LIGHTING FIXTURE

Alphonse F. Pieper, Brighton, N. Y.

Application June 13, 1940, Serial No. 340,235
1 Claim. (Cl. 240—1)



In an electric fluorescent lighting fixture, the combination with an elongated housing having a threaded connector at its outer end, of a straight slender tubular one-piece member extending through said housing on both sides thereof transversely of its longitudinal axis, the central portion of said tubular member being located in juxtarelation to the bottom wall of said housing, brackets extending laterally from the ends of said tubular member, sockets carried by said brackets, and an elongated fluorescent light element supported between said brackets and located parallel to said tubular member in proximity to the end wall of the housing and to the tubular member, said tubular member having an opening in the portion within said housing, said opening being directed toward the outer end of the housing, and conductors extending from the housing through said opening and through said tubular member in both directions to the ends of the tubular member and to said sockets.

2,272,276

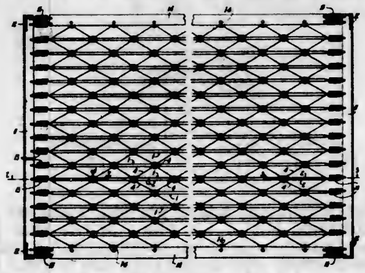
METAL FABRIC AND ARTICLE FORMED THEREFROM

James Piliero, Astoria, N. Y., assignor to Dickson Wire & Cable Corp., Long Island City, N. Y., a corporation of New York

Application July 15, 1940, Serial No. 345,524
3 Claims. (Cl. 5—190)

1. A bed bottom comprising rigid, parallel end bars and rigid parallel side rails, anchor springs

connected to said end bars, a flexible fabric extending between the anchor springs at opposite ends of said spring, said fabric including a plurality of pairs of normally straight, parallel flexible members each of said pairs being connected at their ends to corresponding anchor springs at the opposite ends of said bed springs and formed of a single length of cable, flexible zigzag members disposed between said pairs of straight members and anchored at their ends to alternate anchor springs connected to said end bars and clips



slidable on said straight members for connecting each of said zigzag members at spaced points alternately to its adjacent straight members, each of said clips having a pair of oppositely disposed wings each wing being curved over a single straight member and a single zigzag member to form a loop engaging and holding said members in position, said loop permitting slidable movement of said engaged straight and zigzag members, and clips connecting the sidemost zigzag members of said fabric to the corresponding side rails.

2,272,277

PROCESS OF MANUFACTURING STEEL

Edwin L. Ramsey and Leslie G. Graper, Chicago, Ill.

No Drawing. Application April 25, 1941, Serial No. 390,342
8 Claims. (Cl. 75—133)

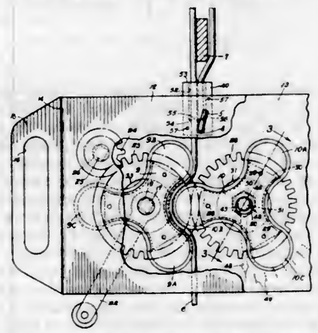
2. A process of manufacturing a steel of improved machinability comprising adding to a molten mass of steel a sodium sulphite.

2,272,278

RUNNING WIRE TIGHTENER OR REELING APPARATUS

Henry W. Roos, Cincinnati, Ohio

Application March 4, 1941, Serial No. 381,714
14 Claims. (Cl. 140—102.5)



1. In a device of the class described, a frame having opposite ends each including a hand grasp portion whereby the frame is to be rotated for twisting a wire, means within the confines of the frame for reeling in an indeterminate length of wire, and means on the frame to hold one end of said wire during the reeling and twisting operations.

2,272,279

FINDER FOR SCREW DRIVING TOOLS

John Schindel, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware

Application December 6, 1939, Serial No. 307,753
6 Claims. (Cl. 144—32)



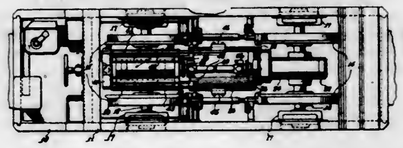
1. A finder attachment of the character described comprising, a cylindric finder element having a bore extending therethrough and slotted axially for a portion of its length through one end to provide a plurality of circumferentially disposed yieldable fingers for picking up and holding a screw at their outer or free ends, a sleeve element secured to the finder element about the fingers and extending to substantially the outer ends thereof to house and protect the fingers for substantially their entire length, and a tension ring fitting about and movable along the fingers within the sleeve element for adjusting the tension of the fingers, said sleeve element having an opening through its surrounding wall to expose the ring for access through the sleeve element.

2,272,280

MINE LOCOMOTIVE

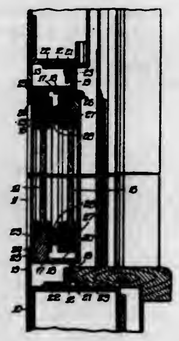
Charles E. Stoltz, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 28, 1939, Serial No. 301,679
11 Claims. (Cl. 105—119)
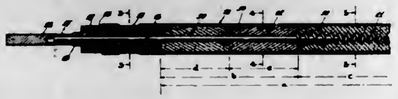


1. A locomotive having a main frame, two longitudinally spaced axles, a motor disposed between said axles, spring suspension means for supporting said frame on said axles, supports for said motor journaled on said axles and affording movement of said axles in a vertical plane independently of each other including a gear casing journaled on each of said axles, a positive connection between said motor and one of said gear casings and a yieldable and laterally slidable connection between said motor and said other gear casing, said yieldable and laterally slidable connection including a guide frame having guiding engagement with the upper end of said other gear casing, a bracket secured to said motor, a transverse pivotal connection between the forward end of said guide frame and bracket, and a vertically yieldable connection between the rear end of said guide frame and bracket.

2,272,281
WINDOW CONSTRUCTION
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Original application April 29, 1936, Serial No. 76,919. Divided and this application July 2, 1938, Serial No. 217,291
5 Claims. (Cl. 189—64)



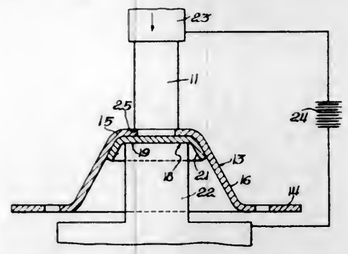
1. In car window construction, the combination with the outer sheathing of a car, having a rectangular opening therein, and a frame set back from the opening on the inside of the car to provide a margin of the sheathing exposed about the opening, of a completely self-contained sash within said frame having rigid side rails overlying the exposed margin, a pane of glass mounted within glazing grooves in said side rails, compressible packing strips located between the rigid side rails of the sash and said margin, and extensions fixedly associated with the rigid side rails in spaced relation to the sheathing and adjustably connected with the frame for drawing the rigid outer wall of the sash up into tightly sealed association with the sheathing.

2,272,282
ELECTRICAL HEATING ELEMENT
Edwin L. Wiegand, Pittsburgh, Pa.
Application March 21, 1939, Serial No. 263,178
19 Claims. (Cl. 201—64)



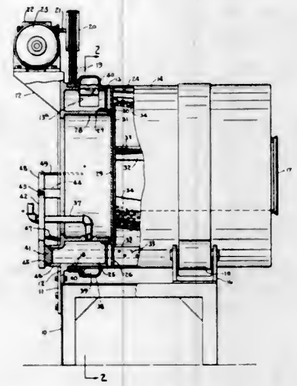
1. An electrical heating element, comprising: a tubular metallic sheath; a resistor in a resistor zone within said sheath and having an end spaced from an end of said sheath; a lead-in conductor in a terminal zone, extending into said end of said sheath longitudinally of said sheath and connected to said end of said resistor; and refractory electrical-insulating material, disposed within said sheath, in which said resistor is disposed, at least a transverse sectional portion of said terminal zone being occupied by a mass of particles of refractory electrical-insulating material having desired stability in the presence of moisture and constituting barrier means for intercepting moisture, said barrier means comprising at least a substantial amount of refractory electrical-insulating material having reversible water sorbing capacity.

2,272,283
BRACKET CONSTRUCTION
Nels A. Widgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 18, 1939, Serial No. 262,743
1 Claim. (Cl. 248—200)



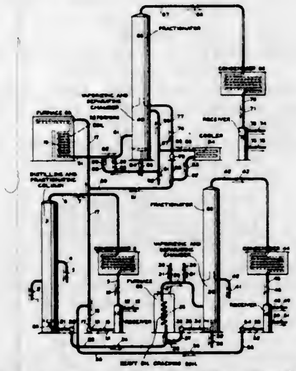
A bracket having a base portion, a central portion disposed out of the plane of the base portion and provided with an opening, and a frusto-conical portion joining the base and central portions, a reenforcing member having a central portion and a frusto-conical flange, respectively, in contact with the central portion and the inner side of the frusto-conical portion of the bracket, and a pin having an end fitting within the opening in the bracket and being welded to the bracket and to the reenforcing member.

2,272,284
WASHING MACHINE
John Zimarik, Akron, Ohio
Application November 23, 1938, Serial No. 241,987
8 Claims. (Cl. 68—58)



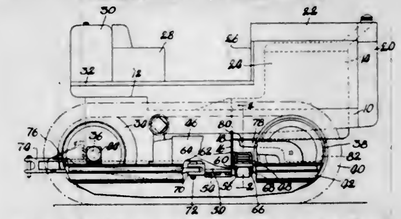
1. A machine of the character described comprising a drum rotatable about a substantially horizontal axis, said drum having a treating chamber, a bearing member for rotatably supporting said drum, said member having a liquid supplying and emptying compartment in communication with said chamber, means on said drum operable by rotation thereof for retrieving liquid which may leak outwardly between the bearing surfaces of said drum and said bearing member and pumping said liquid back into said compartment, and a valve on said member in communication with said compartment operable at will to drain said drum while said drum is rotating or stationary.

2,272,285
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 25, 1938, Serial No. 192,520
3 Claims. (Cl. 196—49)



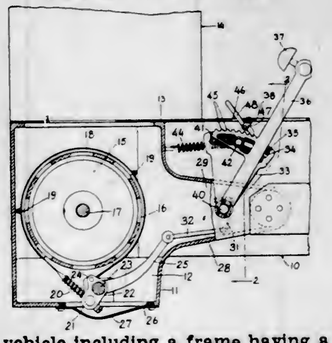
1. A process for producing high yields of good quality Diesel fuel and good antiknock gasoline from hydrocarbon oil of relatively wide boiling range, which oil comprises low-boiling fractions including gasoline of poor antiknock value, intermediate fractions boiling within the range of the desired Diesel fuel and higher boiling fractions, said process comprising the concomitant steps of separating such an oil by fractional distillation without appreciable cracking into the aforementioned components, recovering said Diesel fuel fractions of the desired characteristics from the fractional distilling step, supplying said low-boiling fractions to a heating coil and therein heating and maintaining the same at a high cracking temperature and at substantial superatmospheric pressure for a time regulated to produce therefrom high yields of good antiknock gasoline, quickly cooling the resulting stream of highly heated products discharged from said heating coil, materially reducing the superatmospheric pressure imposed thereon and introducing said stream into a vaporizing and separating chamber, whereby to prevent excessive continued conversion of said products and separate the same into vaporous and residual liquid components, removing the latter from said vaporizing and separating chamber, fractionating said vaporous components to condense and separate therefrom their components boiling above the range of good antiknock gasoline, condensing the resulting fractionated vapors, recovering the resulting distillate as said good antiknock gasoline, supplying said higher boiling fractions from the fractional distilling step to a separate heating coil, therein quickly heating the same to a cracking temperature of the order of 900 to 1050° F. at superatmospheric pressure, limiting the time during which the oil is maintained at an active cracking temperature in the last mentioned heating coil to preclude any substantial formation of good antiknock compounds and quickly cooling the stream of highly heated products discharged therefrom sufficiently to prevent undesirable secondary cracking reactions, thence discharging said stream into another vaporizing and separating chamber wherein the vaporous components of said products, including materials boiling within the range of the desired Diesel fuel, are separated from their higher boiling non-vaporous components, removing the latter from the last mentioned vaporizing and separating chamber, fractionating the last named vapors out of contact with the vaporous products of the first mentioned cracking operation to condense and separate therefrom their components boiling within the range of said desired Diesel fuel, recovering the latter and returning lower boiling components of the last named vapors, comprising gasoline of poor antiknock value, to the first mentioned cracking step for further treatment therein in commingled state with and under the same conditions to which said low-boiling fractions are subjected, whereby to produce additional yields of good antiknock gasoline.

2,272,286
TRACTOR
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 2, 1939, Serial No. 259,406
21 Claims. (Cl. 180—9.1)



20. In a crawler tractor having a rear body and a forwardly disposed engine carried between a pair of opposite track frames, a forward part of the body depending below a rearward part of the engine, a support on said forward part of the body extending forwardly underneath said rearward part of the engine and separate therefrom, and a transverse equalizer carried by the support below said rearward part of the engine and connected with the track frames.

2,272,287
BRAKE CONTROL MECHANISM
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application December 19, 1939, Serial No. 310,020
1 Claim. (Cl. 188—196)



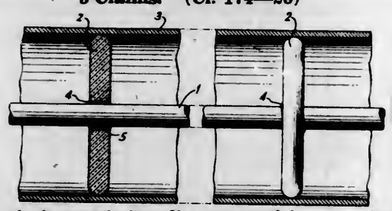
In a vehicle including a frame having a housing, drive mechanism for the vehicle, and brake mechanism for the driving mechanism and in-

cluded within said housing, the combination with the brake mechanism of operating means therefor including a rock-shaft journaled on the frame and extending within and without the housing, operating linkage contained wholly within the housing and operatively connected between the brake mechanism and the housed end of the rock-shaft, an arm rigidly carried on the rock-shaft outside the housing, a control member journaled on the rock-shaft outside the housing and adjacent the arm, and releasable means securing the arm and member together for movement together, said means being releasable to permit relative movement between the arm and member for varying the position of one independently of the other.

2,272,288
INSULATOR MOUNTING FOR TRANSMISSION LINES

Ludwig A. Battermann, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 24, 1939, Serial No. 280,991
5 Claims. (Cl. 174—28)

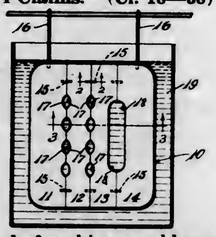


1. A transmission line comprising an inner conductor, an outer tubular conductor concentric with the inner conductor and a plurality of disc-shaped insulators spaced from each other along the inner conductor for spacing said conductors apart, means for mounting each of said insulators on the inner conductor, said means comprising a threaded aperture in each insulator in which the inner conductor is located and a helical spring for each insulator, said spring surrounding and frictionally engaging the inner conductor and having its convolutions screwed into the threads of the insulator.

2,272,289
METHOD OF MAKING PNEUMATIC CUSHIONS

Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware

Application December 10, 1936, Serial No. 115,240
4 Claims. (Cl. 18—58)



1. A method of making a rubber article having opposed walls seamlessly connected by an integral tubular member, which comprises providing a deposition form comprising a pair of mating form members at least one of which is provided with an indentation in its mating edge surface, mounting the form members in mating relation to provide a deposition form having an aperture therein defined by the said indentation, producing upon the assembled form an enveloping deposit of rubber, the rubber deposit being insufficient in thickness to fill the aperture, and removing the form members from within the rubber deposit.

2,272,290
RUBBER ARTICLE AND METHOD FOR MAKING THE SAME

Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware

Application August 26, 1937, Serial No. 161,054
19 Claims. (Cl. 18—58)



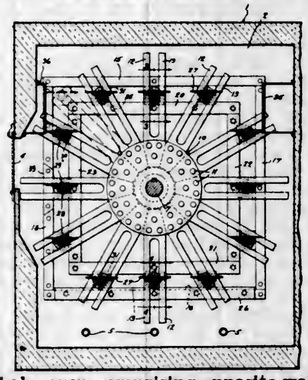
13. The method of making a "tufted" hollow rubber article which comprises producing a hollow article having opposed walls, cutting small aligned openings in the opposed walls and simultaneously cut-seaming the rubber at the cut edges, immersing the article in a liquid rubber composition which will web over the small openings, and drying the resulting rubber coating and webs.

16. A hollow rubber article having opposed walls integrally connected between the margins of the article, comprising a hollow body of rubber having opposed walls locally cut-seamed at a point between the margins thereof, and a seamless coating of rubber enveloping the said body and being integrally bonded thereto.

2,272,291
BAKE OVEN CONVEYER

Robert P. Bolling, Detroit, Mich.

Application June 9, 1939, Serial No. 278,246
10 Claims. (Cl. 198—1)



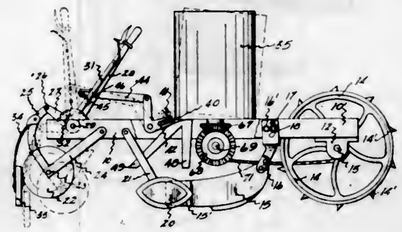
1. A bake oven comprising opposite walls, track means on the opposite walls of substantially complete polygonal shape, shelves extending across the oven, rotary means having an axis within the track means and having a slidable connection with each of the shelves for moving the shelves circuitously on the track means.

2,272,292
PLANTING DEVICE

William E. Dean, Portland, Ark.

Application November 30, 1936, Serial No. 113,288
2 Claims. (Cl. 111—73)

1. A planting device including, a frame, a blade carried by said frame for opening a furrow, scraper blades attached to the frame and positioned behind the first-named blade to close the furrow, a hopper supported on the frame for receiving two species of seed, means engaging said hopper for actuating the hopper and causing it to deposit seed, means for depositing seed behind the furrow-opening blade and forwardly of the scraper blades whereby said seed is dropped into the open furrow and covered by the action of said scraper blades, means for depositing a second species of seed behind the scraper blades whereby the latter seed is planted on top of the closed furrow, a scraper bar and a presser wheel carried by the frame behind the scraper blades for covering the last-mentioned seed, and a single means for swinging the pressure wheel downwardly so as to lift the furrow-opening blade and the scraper blades out of contact with the ground and at the same time disengaging the hopper from the actuating means thereby causing the hopper to cease depositing seed.



2,272,293
PROCESS FOR THE THERMAL DEHYDRATION OF LOWER FATTY ACIDS

Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 29, 1938, Serial No. 248,208. In Great Britain January 20, 1938
15 Claims. (Cl. 260—547)

1. Process for the thermal dehydration of lower fatty acids, which comprises subjecting the vapor of the acid to a temperature of from 500 to 1000° C. in the presence of phosphoric acid and copper oxide.

2,272,294
LAMINATED MATERIALS

Donald Finlayson, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

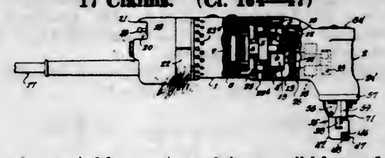
No Drawing. Application July 18, 1939, Serial No. 285,114. In Great Britain July 23, 1938
2 Claims. (Cl. 154—2)

1. Process for the manufacture of white stiffened fabrics and fabric articles, which comprises uniting under heat and pressure a white fabric interlining containing yarns of cotton in admixture with yarns of cellulose acetate to a white facing fabric, said interlining being bleached, and tinted to match the whiteness of the facing fabric with a blue dye having an affinity for the cellulose acetate, said dye being selected from the class consisting of derivatives of 1:4-diamino-anthraquinone and derivatives of 1:4-amino-oxy-anthraquinone, in admixture with a blue dye having an affinity for the cotton material, before union.

2,272,295
PORTABLE NIBBLING TOOL

Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware

Application August 3, 1940, Serial No. 350,665
17 Claims. (Cl. 164—47)

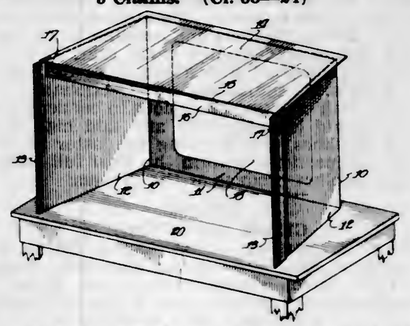


1. A portable motor driven nibbler of the character described, comprising in combination, connected body and head sections, a reciprocable ram located within the body section, means carried by the body section for reciprocating the ram, a plunger reciprocated by the ram and having a portion within the body section and a portion within the head section, said plunger being connected with the ram within the body section and having a cutting edge and a relief section therefor on the front side of the plunger within the head section, said head section having a bore providing a guide-way to reciprocably mount the plunger within the head section, the latter carrying a cutting edge for cooperation with the cutting edge on the plunger, a goose-neck work support constituting a part of the head section and extending about and providing a guide for the outer end portion of the plunger, said goose-neck having front and rear portions in engagement with the front and rear sides, respectively, of the plunger, the front portion of the goose-neck terminating in spaced relation to the cutting edge on the head section to provide a work receiving mouth opening leading to the plunger at said cutting edges, and a headed screw stripper element carried by the front portion of the goose-neck in parallel relation to the plunger, said screw element having its upper end extendible into said mouth opening to vary the depth thereof and its headed end at the lower end of the goose-neck in a recess therein, said recess serving to accommodate the headed end of the screw element in substantially all positions of the endwise adjustment thereof.

2,272,296
SCREEN SHADE FOR MOTION PICTURES AND THE LIKE

James C. Gallagher, Green Bay, Wis.

Application September 21, 1940, Serial No. 357,782
3 Claims. (Cl. 88—24)



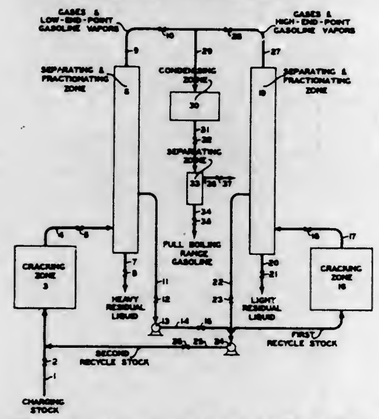
3. A screen shade comprising a rear wall member; side members hingedly connected with the sides of said rear wall member; and a cover

member resting on said wall members and provided at its forward portion with a downwardly extending flange, there being slots in the upper edges of said side walls to receive said flange.

2,272,297
CONVERSION OF HYDROCARBON OILS

Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 14, 1939, Serial No. 284,446
4 Claims. (Cl. 196—49)



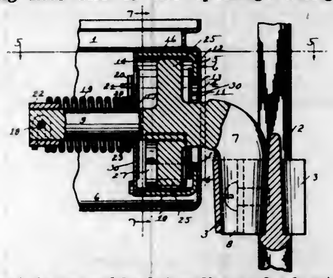
1. The process of cracking hydrocarbon oils, which comprises cracking a virgin residual oil charging stock under sufficient superatmospheric pressure to maintain a substantial portion thereof in liquid phase, separating the resulting products at a substantially reduced pressure into vapors and heavy residual liquid and recovering the latter, fractionating the vapors to separate therefrom normally gaseous fractions and good antiknock gasoline of relatively low end-boiling point and to condense their higher boiling components as reflux condensate, separately cracking said reflux condensate under conditions regulated to improve the antiknock value of the relatively high-boiling gasoline fractions included therein and to convert its higher boiling components into substantial additional yields of good antiknock gasoline, separating the resulting vaporous and liquid products under a pressure substantially higher than said reduced pressure whereby to produce a substantially lighter residual liquid than that recovered from the products of the initial cracking step, fractionating the last named vapors to separate therefrom normally gaseous fractions and gasoline of substantially higher end-boiling point than that included in the fractionated vapors of the initial cracking step, subjecting the fractionated vapors of both cracking operations to condensation to form said low end-point and said high end-point gasolines, and blending the latter in regulated proportions to form the final full boiling range gasoline product of the process.

2,272,298
CHAIR STRUCTURE

Walter M. Hanson, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application November 5, 1938, Serial No. 238,942
3 Claims. (Cl. 155—85)

1. A chair structure comprising, in combination: a pair of standards having vertical sockets; a seat having horizontally extending openings in its sides respectively; a pair of separate pivot members for mounting the seat on the standards, each pivot member having a spindle turnable in one of the sockets and a spindle extending into one of the openings along which

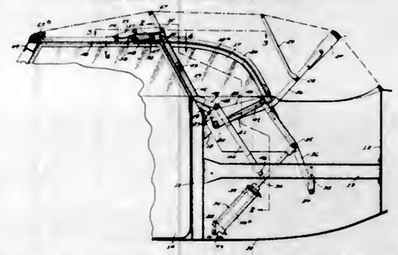


the seat is movable laterally and about which the seat is turnable to raised and lowered positions; a helical spring surrounding the second mentioned spindle for pressing the seat toward raised position and pressing the same laterally relatively to the standard.

2,272,299
MOTOR VEHICLE TOP

Sven Ingildsen, Detroit, and Frederick J. Westrope, Pleasant Ridge, Mich., assignors to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan

Application October 7, 1940, Serial No. 360,064
7 Claims. (Cl. 296—107)



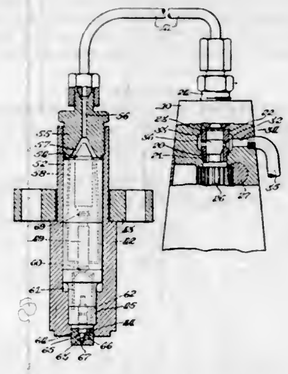
1. In an articulated side frame of a foldable top for a motor vehicle body having a rear side window, a first movable member having a raised position and a lowered position, said member in its raised position providing a part only of a frame for the rear side window, a second movable member connected to said first movable member and having a raised position and a lowered position, said second movable member in its raised position providing another part only of the window frame and cooperating with said first movable member in forming together a part only of the window frame, said first and second movable members extending around the upper and lateral edges only of said rear side window and avoiding the bottom edge thereof, and means for moving said first member and said second member as a unit upward and away from said rear side window whereby to enable said rear side window to remain raised while lowering said foldable top.

2,272,300
FUEL PUMP

Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 6, 1939, Serial No. 259,993
8 Claims. (Cl. 123—139)

1. A fuel injection system comprising a metering pump, a fuel injection unit, means for conducting fuel from said pump to said unit, a differential injection plunger assembly having a low pressure end of one diameter and a high pressure end of smaller diameter mounted for reciprocation in said unit, conduit means for initially conducting fuel to both ends of said plunger assem-



bly, valve means to cut off the communication of the conduit means for conducting fuel to the high pressure end after a predetermined small distance of travel of the plunger assembly, an injection nozzle, and means for conducting fuel from said high pressure end of the plunger assembly to said nozzle.

2,272,301
PREPARATION OF CATALYTIC MASSES

Ivar H. Kinneberg and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application June 14, 1939, Serial No. 279,048
4 Claims. (Cl. 252—254)

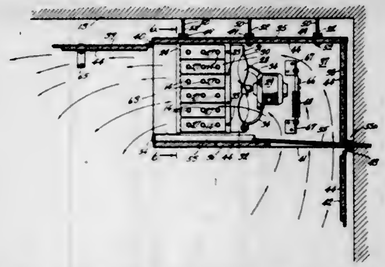
2. A process for manufacturing catalytic masses suitable for use in catalytic cracking, catalytic reforming, catalytic isomerization, and catalytic polymerization of hydrocarbons which comprises precipitating silica from a solution of a soluble silicate, washing the resultant hydrogel, suspending said hydrogel in an excess of water, adding thereto a salt of a metal selected from the group consisting of aluminum and zirconium, precipitating the hydroxide of said metal by adding thereto a volatile alkali, washing the mixture substantially free of alkali metal compounds, filtering the hydrogel mixture, drying at a temperature of approximately 300° F., forming the dried material into particles of definite size and shape, and heating said particles at a temperature within the range of 1300–1600 F. for a time of 0.5 to 10 hours.

3. A process for producing catalytic masses which comprises forming a silica hydrogel from a solution of a soluble silicate, washing said hydrogel, suspending the washed hydrogel in water, adding an aluminum salt to the suspension, precipitating aluminum hydroxide from the suspension by adding thereto a volatile alkali, drying the resulting hydrogel mixture and heating the mixture at a temperature within the range of approximately 1300–1600° F. for a period of time within the range of approximately 0.5 to 10 hours.

2,272,302
DEFROSTING MEANS

Hermann J. Krackowizer, Chicago, Ill.

Application May 5, 1939, Serial No. 271,833
5 Claims. (Cl. 62—2)

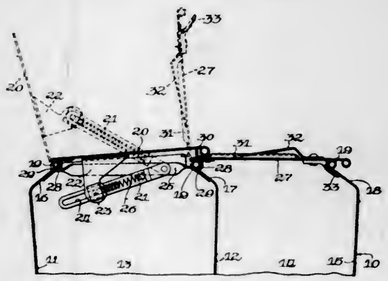


1. In a refrigerating device, the combination of a heat insulated housing having an inlet and an outlet, a cooling unit and a blower in the housing between the inlet and outlet, said blower being operable to supply air to the interior of the housing through the inlet and to discharge the supplied air through the cooling unit and therefrom through the outlet, doors operable to close the inlet and outlet, one or more by-passes leading from the discharge side of the cooling unit to the suction side of the blower to return air discharged through the cooling unit to the suction side of the blower when the doors are closed, gates normally closing said by-passes, means on one of the doors adapted to open said gates when said door is closed, and heating means in the housing, the operation of which is controlled by the opening and closing of the doors.

2,272,303
LID CONSTRUCTION

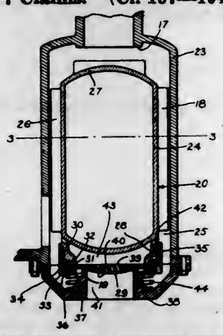
George M. Kriegbaum and David M. Morris, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey

Original application November 2, 1936, Serial No. 108,744. Divided and this application August 2, 1937, Serial No. 156,932
8 Claims. (Cl. 220—29)



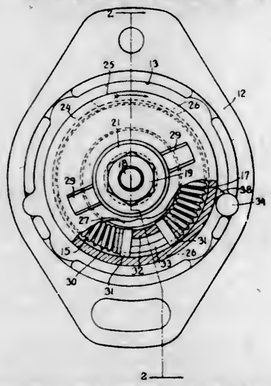
8. The combination with adjacent hoppers, of a first lid pivoted centrally of the hoppers and extending across one hopper and an outside wall, a second lid pivoted on an outside wall and extending across the pivoted edge of the first wall, and a toggle mechanism connected to the second lid and one hopper in such a manner that the raising of the first lid will partially raise the second lid and said toggle mechanism will move said second lid to an open position.

2,272,304
ANTISIPHON VALVE
John T. Lohman, Los Angeles, and Rowland L. Lohman, North Hollywood, Calif., assignors to Lohman Bros., Los Angeles, Calif., a corporation of California
Application September 30, 1940, Serial No. 358,948
7 Claims. (Cl. 137—104)



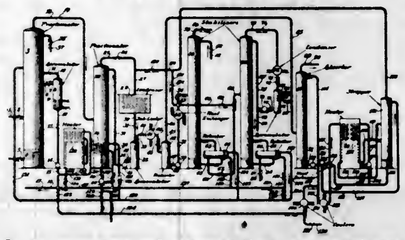
6. A valve structure comprising a housing into which a fluid may flow, a valve opening in said housing, the opening being circumscribed by an inwardly protruding lip, a valve element adapted to move toward and away from said lip, a flexible diaphragm of larger diameter than the lip and secured in a stretched position by its marginal edge to said element to close said opening, and a pressure chamber within the valve element and in the rear of the diaphragm, said pressure chamber communicating with the interior of the housing whereby fluid within the housing may exert a pressure upon the rear of the diaphragm tending to flex it into the valve opening and over and around the valve lip.

2,272,305
IMPULSE DRIVE MECHANISM
Frank G. Majer, Berwyn, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 7, 1940, Serial No. 355,775
11 Claims. (Cl. 171—209)



1. In an impulse drive mechanism including coaxial driven and driving members adapted for limited relative rotation, the driving member including a radial wall spaced axially from the driven member and an outer peripheral flange extending toward the driven member, the combination with the members of resilient force-transmitting means comprising a compressible coiled spring in the form of an annulus disposed between the members and encircled by the peripheral flange of the driving member, opposite ends of the spring being disposed in closely spaced relation, a lug on the driven member engaging the one end of the spring to impart force to the end of the spring only at a point outwardly of the axis of the spring, and a lug on the driving member engaging the other end of the spring to impart force to the end of the spring only at a point radially inwardly of the axis of the spring.

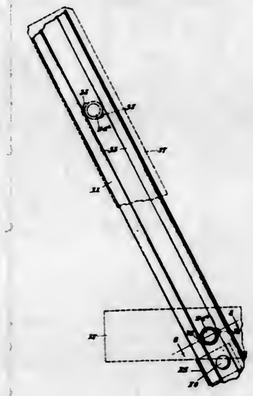
2,272,306
TREATMENT OF HYDROCARBONS
Percy Mather, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 16, 1938, Serial No. 230,170
7 Claims. (Cl. 196—8)



2. A process of separating a mixture of vaporous and gaseous products resulting from the cracking of hydrocarbon oil into a plurality of selected fractions which comprises, fractionating said mixture to condense reflux condensate therefrom and form a stream of lower boiling fractionated vapors and gases, further fractionating said lower boiling stream to separate the same into a substantially gas-free condensate and a lighter stream of vapors and gases, substantially condensing the latter to form a light distillate containing substantial quantities of dissolved gases, separating the resulting gas-containing distillate from remaining uncondensed and undissolved gases, supplying the gas-containing distillate to a primary stabilizer and therein liberating substantially all of the undesired low-boiling gases, while retaining in the partially stabilized distillate substantially all of the desired high-boiling gases, supplying said stabilized distillate to a secondary stabilizing step and therein reducing its vapor pressure to the desired degree by liberating therefrom regulated quantities of the dissolved heavy gases, recovering heavy normally gaseous fractions thus liberated in the secondary stabilizing step, separating the recovered stabilized distillate from the secondary stabilizing step, supplying said uncondensed and undissolved gases to an absorption step and therein separating desired high-boiling components from lighter components thereof by absorption of the former in an absorber oil, substantially stripping the resulting enriched absorber oil of absorbed gases, and returning gases liberated in the stripping step to the first mentioned stabilization step.

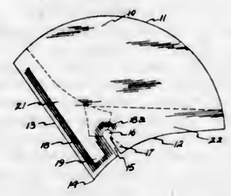
2,272,307
FOLDING CHAIR
Ralph K. Merrill, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application July 28, 1939, Serial No. 287,029
2 Claims. (Cl. 155—143)

1. A folding chair comprising a frame forming a back support and a pair of laterally spaced front legs having in their inner sides channels extending longitudinally thereof, the side walls of the channels having mutually approaching flanges; a second frame forming a pair of laterally spaced rear legs disposed between the pair of front legs and pivotally connected thereto medially of the length of said pairs; a seat pivotally connected to the inner sides of the rear legs adjacent the upper ends thereof and having at



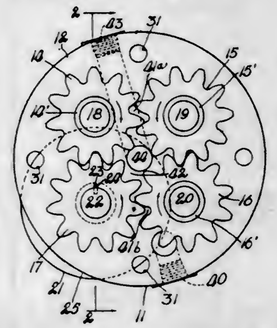
its sides spindles extending into the channels, turnable and slidable therein and having transaxially extending projections, the spindles being freely movable into and out of the channels in one turned position of the spindles relatively to the front legs, and held in another turned position against removal from the channels by the engagement of said projections with said flanges; and a stop secured adjacent the inner side of each of the spaced front legs below the seat.

2,272,308
CONICAL CUP
Method Merta, Chicago, Ill., assignor to Paper Container Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 3, 1938, Serial No. 183,143
5 Claims. (Cl. 229—1.5)



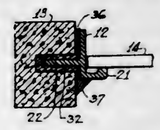
4. A conical cup formed from a single blank having an arcuate edge, a curved side edge extending from said arcuate edge in a substantially radial direction and a straight edge connecting said arcuate edge and said curved edge, a recess having spaced edges opening on said curved edge and defining with said curved and straight edges a grippable member and a tongue member, an integral area formed in the blank around the inner portion of said recess, said integral area being overlappable on itself in forming the cup to form a rounded bottom on said cup.

2,272,309
GEAR PUMP
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 6, 1939, Serial No. 259,989
5 Claims. (Cl. 103—126)



3. In a gear pump, two pairs of gears of standard gear shape, the individual gears of each pair being in normal and sealing mesh but said pairs being drivingly arranged together though slightly out of normal mesh such a distance as to effect flow of fluid between the gears, said gears forming a central space, control means for closing the central space, means for providing a complete body of fluid about the gears, a portion of the periphery of each gear being in communication with said body of fluid, means for driving the gears, whereby fluid is caused to flow from the body of fluid and between the slightly out of mesh gears to the central space, and outlet means for taking off fluid from the central space.

2,272,310
ASPHALT SEAL FOR METALLIC WINDOW FRAMES
Harold T. Peirson, Brooklyn, N. Y.
Application December 15, 1938, Serial No. 245,894
3 Claims. (Cl. 189—75)

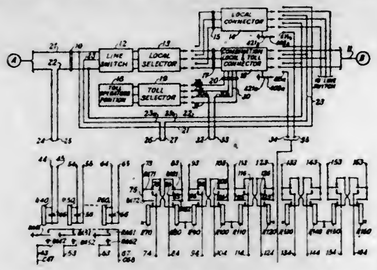


2. A metallic window sash having a rib built into the masonry of the wall and a U-shaped cover of felted asphalt enclosing said rib on the three sides that are in the wall, the inside of said cover being adhesive to secure the cover to the rib and the outside being non-adhesive.

2,272,311
TESTING AND INDICATING APPARATUS
Arthur T. Sigo, Maywood, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 4, 1939, Serial No. 249,281
61 Claims. (Cl. 179—8)

17. In combination with a line adapted to be utilized in a connection between two stations of a signaling system, indicating apparatus, means for causing said indicating apparatus to indicate

the total number of calls routed to said line at a time when said line is busy, and means for in-



dicating whether said line is a calling or a called line when said line is made busy.

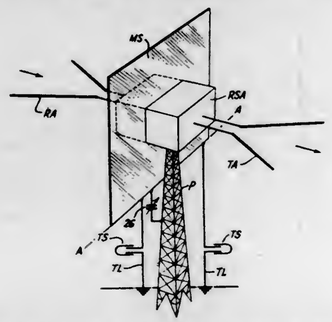
2,272,312

RADIO RELAYING

Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 20, 1939, Serial No. 274,744

3 Claims. (Cl. 250—15)



1. In an ultra short wave relaying system, a relay station comprising a receiving antenna and transmitting antenna, amplifying means connected therebetween and a metallic shield between said antennas for preventing feedback from said transmitting antenna to said receiving antenna, said station being supported a substantial distance above ground on a conductive support, said shield being connected to said support and said support unavoidably presenting an impedance between said shield and ground, and means for maintaining said shield at zero radio frequency potentials with respect to ground comprising a tuned circuit connected between said metallic shield and ground.

2,272,313

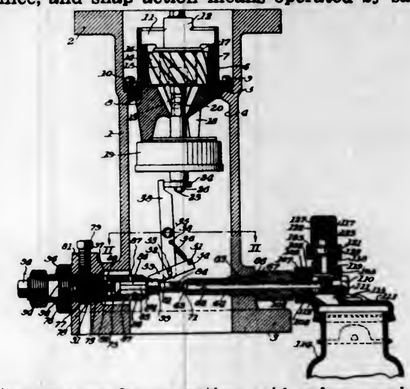
AUTOMATIC SAMPLER

Russell M. Waters, Bakersfield, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware

Application January 10, 1939, Serial No. 250,171

11 Claims. (Cl. 73—21)

8. An automatic sampler comprising a conduit adapted to carry a moving stream of fluid, rotary means in said conduit operated by the flow of fluid therethrough, a valve orifice provided in said conduit removed from the area of turbulence caused by said rotary means whereby a sample of fluid may be removed from said conduit, a valve in said conduit for normally closing said orifice, and snap action means operated by said



rotary means for operating said valve member with a snap action.

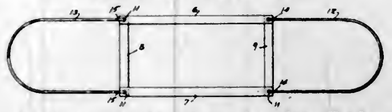
2,272,314

MEAT AND FOWL TURNER AND LIFTER

Ormsby P. Williams, Huntington Park, Calif.

Application September 30, 1940, Serial No. 358,975

4 Claims. (Cl. 53—6)



1. A device of the character described composed of side and end members of resilient material rigidly connected together at their ends to form a rectangular frame; eyelets extending through each of the corners of said frame; end members extending outwardly from each end of said frame, said end members being of resilient material and substantially U-shaped and having the ends of their legs bent to form eyes for engagement with said eyelets to provide hinged connection between said end members and said frame whereby said members may be folded to lie superposed one upon the other.

2,272,315

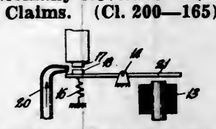
CONTACT DEVICE

Ragnar Holm, Berlin-Siemensstadt, Herbert Wüsteney, Berlin-Wilmersdorf, and Fritz Hennig, Berlin-Siemensstadt, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany

Application December 16, 1939, Serial No. 309,694

In Germany November 12, 1938

6 Claims. (Cl. 200—165)



1. A contact device having a pair of coacting contacts operating under arcless conditions, said pair of contacts being rotatable as a whole while its individual contacts are non-rotating relatively to each other, drive means for rotating said contact pair in a direction of rotation substantially in parallel to the contact surfaces of said contacts to effect a sweeping force on said surfaces, and control means for reciprocating said contacts relatively to each other between contact opening and closing positions, said drive means being operative simultaneously with yet independently of the operation of said control means.

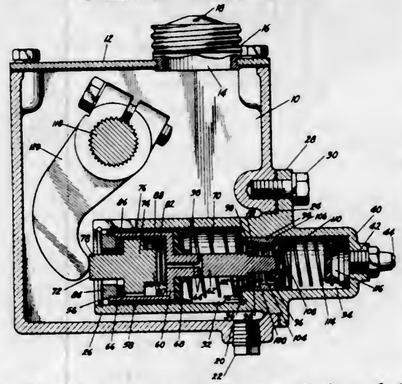
2,272,316

FLUID PRESSURE PRODUCING DEVICE

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 20, 1937, Serial No. 143,693

4 Claims. (Cl. 60—54.6)



4. A fluid pressure producing device of the class described, comprising a cylinder having a double diametral bore providing a large chamber and a relatively small chamber, a reservoir for supplying fluid to said chambers, a piston reciprocable in the large chamber and having passages through its wall, a cup on the piston for preventing flow of fluid through said passages in one direction, a chamber in the piston communicating by way of a passage with the large chamber, a head on the chamber in the piston having a passage therethrough providing communication between the reservoir and the chamber in the piston, a concentric extension on the piston, a second piston mounted on the extension and reciprocable in the small cylinder, an orifice in the small piston controlled by the extension, passages through the small piston, sealing means controlling the flow of fluid through said passages in one direction, a spring-pressed valve in the piston chamber having a part cooperating with the head on the chamber to normally close the passage through the head and another part adapted to be acted upon by an actuator for advancing the piston, said valve during advance of the piston being acted upon by opposing forces, said force resisting opening of the valve being the spring load plus the fluid pressure in the large chamber acting on the valve, said resistance yieldable under a predetermined reaction of the second piston due to the pressure on the fluid in the small cylinder to permit opening of the valve and relief of pressure from the larger chamber.

2,272,317

DECORATED COMPOSITE FABRIC

Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application June 5, 1939, Serial No. 277,556

9 Claims. (Cl. 154—47)

1. A decorated slightly elastic fabric adapted to be tensioned in use, having a rubber strip provided with a riser at its front surface secured to the rear face of said fabric in a manner to provide a bead on the front face of said fabric corresponding to said riser, a reinforcing layer ad-

hered to the rear of said rubber strip, said layer adapted to resist transverse stretching but permitting lengthwise elongation of said strip, thereby providing for uniform stretch of said fabric under tension applied thereto uniformly in a direction parallel to said rubber strip.

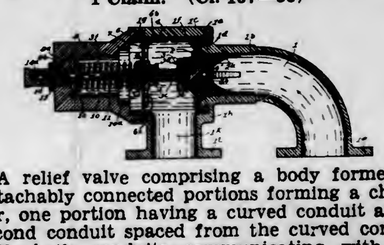
2,272,318

REVERSING RELIEF VALVE

Charles W. Dennis, Chicago, Ill., assignor to The Viking Pump Company, Cedar Falls, Iowa, a corporation of Delaware

Application July 25, 1941, Serial No. 403,958

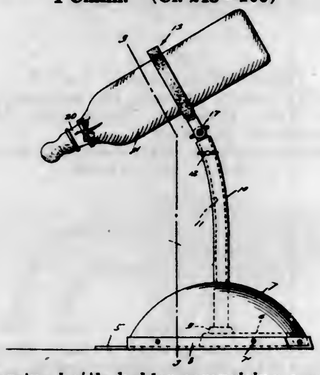
1 Claim. (Cl. 137—53)



A relief valve comprising a body formed of detachably connected portions forming a chamber, one portion having a curved conduit and a second conduit spaced from the curved conduit with both conduits communicating with the chamber, the other portion being provided with a closed end having a threaded aperture therethrough, a screw-threaded adjustment sleeve having one end closed and mounted in said threaded aperture, a cylindrical valve stem having one end slidably seated in said sleeve, the middle portion of said stem being threaded and the other end thereof having an enlarged head, an externally threaded sleeve mounted on said head, the first mentioned body portion having a seat flange projecting into the chamber and having an inner bevelled face surrounding the chamber end of the curved conduit, a valve head within the chamber and having an annularly recessed rim portion adapted to seat about the seat flange when the valve is closed, the valve head having an internally threaded recess on one side for screw-threaded engagement with the externally threaded sleeve on said stem, said valve head having a plurality of circumferentially spaced guide arms on its other side slidably guided within the seat end of the curved conduit, the opposed faces of the internally threaded recess of the valve head and the enlarged stem head being oppositely dished, a ball bearing seated loosely in and between said dished portions, an apertured ring loosely engaged by the inner end of the screw-thread adjustment sleeve, a coil spring mounted about the cylindrical stem and engaged at one end by said apertured ring, a pair of threaded clamping members mounted on the threaded portion of the valve stem, a flexible discoidal diaphragm having a central aperture to receive the said stem, and having its peripheral portion clamped being adjacent faces of the valve body portions, a rigid centrally apertured disc of smaller diameter than that of the valve chamber mounted on the stem adjacent the diaphragm for reenforcing said diaphragm, said rigid disc and diaphragm being clamped between the clamping members mounted on the threaded portion of the valve stem,

the other end of said coil spring engaging one of the clamping members to urge the valve head toward its seat, said conduits being so arranged with respect to the valve head and the diaphragm that excess fluid pressure in either conduit may unseat the valve head.

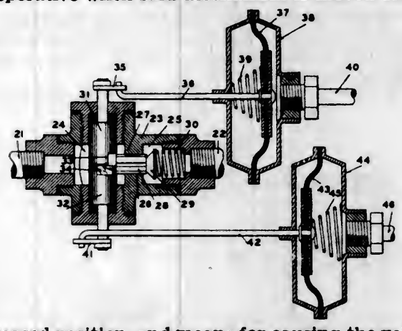
2,272,319
NURSING BOTTLE HOLDER
Michael Elias Elzeer, Lorain, Ohio
Application February 28, 1941, Serial No. 381,188
1 Claim. (Cl. 248—106)



A nursing bottle holder comprising a relatively large flat base having a flange at its side and rear portions extending upwardly and inwardly, with the front end of the base extending beyond the flanged portion, a hood having its edges contacting the inner face of the flange, means for connecting the hood to the flange, the front end of the hood terminating at the front of the flanged portion of the base, a small weight plate connected with the rear part of the base and located under the rear portion of the hood with the edge portion of the weight plate contacting an adjacent portion at the lower part of the hood, the front central portion of the weight plate having a socket therein, a standard having its lower part passing through the hood with its lower end fastened in the socket, the upper portion of the standard curving upwardly and forwardly, said standard being of tubular form, a rod having a sliding fit in the upper portion of the standard, means for holding the rod in adjusted position, the upper end of the rod being flattened, a yoke-shaped member having its limbs embracing the flattened part, a bolt passing through the flattened part and the lower ends of the limbs for adjustably holding the yoke to the upper end of the rod and a U-shaped member having the central part of its bight fastened to the bight of the yoke and adapted to hold a nursing bottle.

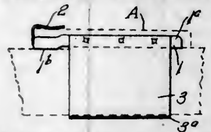
2,272,320
BRAKE CONTROL MECHANISM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 28, 1939, Serial No. 311,230
14 Claims. (Cl. 192—3)

14. In combination, a vehicle provided with a propelling engine, with a torque transmitting connection between the engine and the wheels and with a fluid pressure braking system including a source of pressure and a fluid motor connected thereto, valve means associated with the braking system for maintaining fluid under pressure in the fluid motor after the brakes have been applied by the application of pressure from said source, an accelerator mechanism for the engine, means controlled by the accelerator mechanism for rendering said valve means operative when said mechanism is in released position and inoperative when said mechanism is moved from



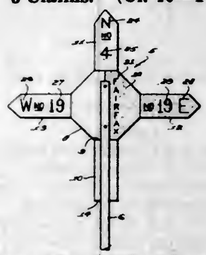
released position, and means for causing the valve means to be inoperative when the vehicle is moving and thereby render said first named means ineffective, said last named means comprising a fluid pressure operated means and means for operating said fluid pressure operated means by an element of the torque transmitting connection which moves only when the vehicle is moving.

2,272,321
CHECK PAD CASING
Evangel A. Haveles, Los Angeles, Calif.
Application November 6, 1940, Serial No. 364,477
6 Claims. (Cl. 281—15)



1. In a check pad casing of the class described, the combination of a flat check pad casing member provided with upwardly extending side portions, and a spring clip member secured to one of said upwardly extending side portions and extending inwardly from said side portion in spaced relation with the bottom side of said check pad casing member.

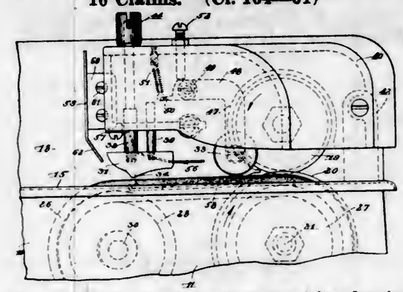
2,272,322
HIGHWAY SIGN
Ervin A. Kiecker, Fairfax, Minn.
Application April 16, 1940, Serial No. 329,979
3 Claims. (Cl. 40—145)



1. A highway sign of the character described,

said sign comprising a standard to be located at a junction of two highways, a vertical plate secured to said standard, upper and lower vertical arms porjecting from the upper and lower edges of said plate, left and right horizontal arms projecting from the left and right-hand edges of said plate, a junction symbol on the face of the lower arm designating the next junction to be reached when traveling in the direction in which the vertical arms are pointing, a route number on the face of each of said left and right arms, a route number identifying the highway on which the sign is positioned on the face of said upper arm, a town symbol on a face of one lateral half of said plate, and common designating means on said half and the related horizontal arm to indicate the direction to be taken on the intersecting highway to reach the town.

2,272,323
ENVELOPE OPENING MACHINE
Leon W. Lawrence, Rochester, N. Y., assignor to The Bircher Co., Inc., Rochester, N. Y., a corporation of New York
Application February 24, 1941, Serial No. 380,132
16 Claims. (Cl. 164—61)

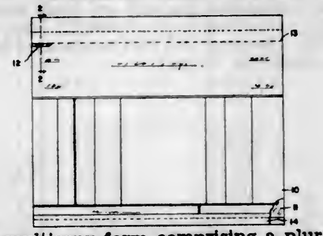


16. In an envelope opening machine having a work path comprising an envelope support and an envelope guide and wherein a rotating belt is provided to feed the envelope along the work path and in engagement with said envelope guide and to cutting mechanism located toward the end of the work path, in combination, a pressing device located adjacent the beginning of the work path and remote from the cutting mechanism, a pair of pressing rollers located adjacent the cutting mechanism one on each side of the rotating belt, an independent pivoted support for each of said pressing rollers, said pivots being located with respect to the pressing rollers in a position such that the pressing rollers may yield in the direction of movement of the envelope, and means for yieldingly urging each of said pressing rollers into engagement with the envelope independent of the other.

2,272,324
PROCESS FOR MAKING REFRACTORY MATERIALS
Harley C. Lee, Columbus, Ohio, assignor to Basic Refractories, Incorporated, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 1, 1938, Serial No. 193,264
10 Claims. (Cl. 106—57)

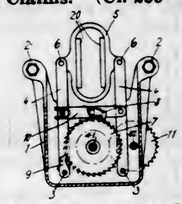
1. In a process of the character described, incorporating with a dolomite material an agent reactive with a constituent thereof to formation of a liquid phase at elevated temperature, and separating the liquid phase from the un-fused portion.

2,272,325
MULTIPLE COPY FORM
Rudolph J. Liebich, Royal Oak, Mich.
Application July 24, 1939, Serial No. 286,244
4 Claims. (Cl. 282—22)



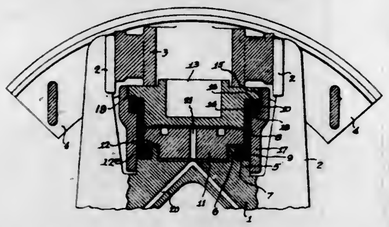
1. A multicopy form comprising a plurality of imperforate record sheets and a series of imperforate carbon sheets bound together along one edge with a carbon sheet interposed between adjacent record sheets, said record sheets only having registering portions spaced inwardly from the bound edges and being of less width than the carbon sheets whereby separating the form at the reduced portion along a line substantially parallel to the bound edges of the record sheets separates the latter sheets from each other and leaves the carbon sheets bound together.

2,272,326
ODOMETER
Paul Paschen, Georg Mohr, and Hermann Ebert, Nuremberg, Germany, assignors to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application February 11, 1939, Serial No. 255,808
In Germany February 15, 1938
4 Claims. (Cl. 235—95)



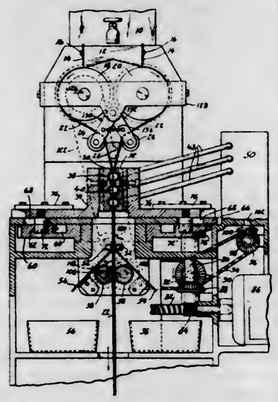
1. An odometer to be actuated by a wheel axle of a vehicle, in particular for railway vehicles, comprising a driving member mounted eccentrically on an end face of said vehicle axle, a movable member arranged in front of said end face in direct and constrained engagement with said driving member as regards the horizontal component of the motion of said driving member, said movable member being designed to allow said driving member free relative movements in the vertical and axial directions, a supporting structure to be secured to said vehicle, a parallelogram mechanism comprising two arms movably arranged and spaced from each other in the plane of movement of said movable member, said arms having one end pivotally secured to said structure and spaced in the vertical direction from said axle, the other ends respectively of said arms being linked to said movable member at places within the vertical range of movement of said driving member, a counting device having rotary counter members, and transmission means operatively connecting said mechanism with said device for transforming the oscillatory motion of said mechanism into a unidirectional rotation of said counting members.

2,272,327
PISTON SEAL
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Original application October 30, 1936, Serial No. 108,351, now Patent No. 2,200,305, dated May 14, 1940. Divided and this application May 13, 1940, Serial No. 334,834
4 Claims. (Cl. 60—54.6)



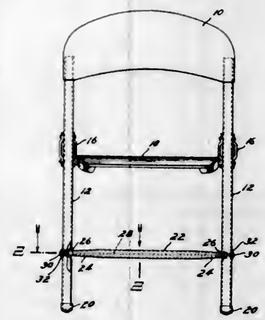
1. In a hydrostatic brake, a movable brake actuator, a stationary support for said actuator, a fluid chamber formed between said actuator and said support, means for conveying fluid under pressure to said chamber for actuating said actuator, an open-ended, cylindrical, flexible sealing member arranged between said actuator and said support for sealing said fluid within said chamber, an annular metallic member connected in sealed relationship to each end of said sealing member and anchored one to said actuator and one to said support for reinforcing said ends and providing a unitary structure comprising said actuator, said support, said sealing member and said metallic members, and another pair of annular metallic members one arranged between said actuator and one of said first annular members and the other arranged between said support and the other of said first annular members.

2,272,328
MECHANISM FOR FORMING CAPSULES
Robert P. Scherer, Detroit, Mich.
Original application October 28, 1935, Serial No. 47,094. Divided and this application January 20, 1939, Serial No. 251,943
3 Claims. (Cl. 18—21)



2. In capsule forming mechanism, a feeding tank for molten capsule forming material, said tank having a bottom and two opposite side walls, each side wall spaced above the bottom providing a discharge opening between each side wall and said bottom, a pair of casting drums rotatably disposed underneath said tank, one drum disposed in line with and underneath one discharge opening, the other drum disposed in line with and underneath the other discharge opening, driving means coupled with said drums to rotate them outwardly away from each other, said tank bottom sloping upwardly and inwardly from each of said side walls toward a line superposing the space between said drums, cooperating capsule mold members disposed in line with and underneath the space between said drums, and a pair of film engaging rollers rotatably supported below the drums and above the mold members for shifting movement toward and away from each other, said rollers supported upon substantially parallel axes extending substantially parallel to the axes of the drums, and means acting upon said rollers yieldingly resisting shifting movement of the rollers away from each other.

2,272,329
CHAIR STRUCTURE
George D. Schermerhorn, Reading, Mich.
Application July 24, 1939, Serial No. 286,104
2 Claims. (Cl. 155—197)



1. A chair frame having a pair of opposed tubular legs formed of sheet metal and provided with a pair of oppositely disposed openings one formed in each inner side wall of each leg, a tubular spacer element having opposite end portions oppositely tapered said spacer element extending between said legs and having its tapered portions extending through said openings into the interior of said legs, each tapered end portion seated against the margin of the opening through which it extends and having its extreme end abutting the inner surface of the opposite side wall of the leg, each of said openings having its margin rolled inwardly forming a flange snugly embracing the tapered portion of the spacer extending therethrough, a tie rod extending through the spacer and projecting beyond each end thereof and through the outer wall of the leg against which the end of the spacer abuts, a washer encircling each projecting end of the tie rod and shaped to seat snugly against the outer surface of the leg encircling the tie rod, each end of the tie rod being flattened over its washer and holding the leg seated against the extreme ends of the spacer and seated against the tapered end portions of the spacer.

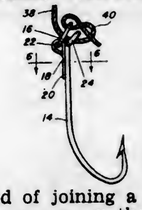
2,272,330
METHOD OF MANUFACTURING DIELECTRICALLY HIGH-GRADE CERAMIC SUBSTANCES
Paul Schupp, Berlin-Siemensstadt, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
No Drawing. Application July 18, 1938, Serial No. 219,924. In Germany July 16, 1937
8 Claims. (Cl. 106—46)

1. The method of manufacturing dielectrically high-grade ceramic materials which comprises firing a ceramic mixture consisting mainly of crystalline titanium dioxide in contact with an oxygen-rich atmosphere substantially free of reducing agents.

2,272,331
METHOD FOR PRODUCING DIELECTRICALLY HIGH-GRADE TITANIUM DIOXIDE
Paul Schupp, Berlin-Siemensstadt, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
No Drawing. Application July 18, 1938, Serial No. 219,925. In Germany July 16, 1937
8 Claims. (Cl. 106—46)

1. The method of producing a dielectrically high-grade titanium dioxide of crystalline form which comprises subjecting crystallized titanium dioxide to a heat treatment at an elevated temperature promoting the perfection of the crystalline lattice and in an oxygen-rich atmosphere substantially free of reducing agents.

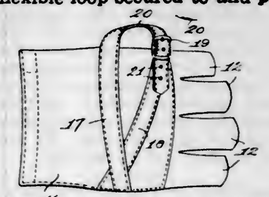
2,272,332
RING-LOCKING MEANS FOR FISHHOOK KNOTS
Wilbur C. Sisson, Seattle, Wash.
Application December 2, 1940, Serial No. 368,242
7 Claims. (Cl. 43—28)



1. The method of joining a fishing line to a fish hook having an eye on the hook shank and a ring loosely mounted adjacent said eye and capable of swinging to lie substantially parallel thereto, said method comprising passing an end of the line through the loosely mounted ring and simultaneously passing said line end through the eye from the same direction, bending said line upon itself to form a bight, returning the line past the outside of the eye and passing it through the loosely mounted ring in a direction in opposition to the first pass therethrough, forming a return bight in said line outside said loose ring and tucking the line end through the bight formed by the first mentioned return bend past the eye.

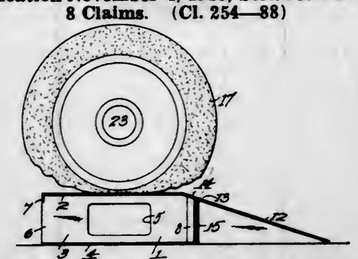
2,272,333
GOLFER'S GLOVE
Harry L. Soderquist, Hollywood, Calif.
Application March 17, 1941, Serial No. 383,700
7 Claims. (Cl. 2—20)

1. The combination with a golfer's glove having a palm portion, a back and finger receiving portions, of a flexible loop secured to and projecting



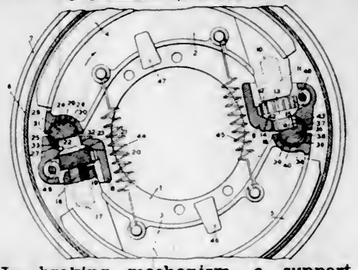
from the back of the glove on the side opposite the thumb side.

2,272,334
COMPACT VEHICLE WHEEL RAISING DEVICE
John G. St. Laurent, Worcester, Mass.
Application November 4, 1940, Serial No. 364,250
8 Claims. (Cl. 254—88)



1. In a device of the class described, a block having an open side, an open end and an opposite end wall, an inclined ramp element having a wall at one end, and a dovetail interengaging rib and groove connection on said walls whereby said ramp element is slidingly attachable to said block at its end wall to form a vehicle wheel raising device, said ramp element and said block being selectively movable only in a single straight line for greater rigidity, and said ramp and block having closely merging supporting surfaces providing a continuous supporting contour.

2,272,335
CAM-ACTUATED BRAKE
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 27, 1940, Serial No. 358,578
9 Claims. (Cl. 188—78)



1. In braking mechanism, a support, two floating shoes, two single anchor members immovably carried on the support for said shoes each projecting between a pair of adjacent ends of the shoes, a cam and cam shaft interposed between each anchor and one end of a shoe for spreading the adjacent ends of the shoes apart,

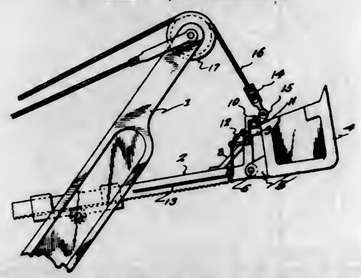
each cam shaft and its cam being secured together for unitary movement at all times, and means for rotating the cam shafts simultaneously, each cam and cam shaft serving as a member through which one end of a shoe anchors on an anchor when the drum is rotating in one direction and each cam and cam shaft being free to move laterally as a unit away from its adjacent anchor when the drum is rotating in the opposite direction and the other end of each shoe anchors on an anchor.

2,272,336
BEARING FOR CLOCKWORK MOVEMENTS
Henri Colomb, Lausanne, Switzerland
Application September 21, 1938, Serial No. 231,053
In Switzerland September 29, 1937
4 Claims. (Cl. 308—2)



1. A shock absorbing bearing for clockwork pivots comprising in combination a stationary bearing support having a cavity with an upper and a lower cylindrical chamber and an annular shoulder separating said chambers, a bezel loosely supported in the lower chamber and capable of axial and lateral or tilting movement within said lower chamber, a perforated bearing member carried by said bezel and adapted to receive the pivot, said support and bezel being each provided with at least a circular centering element adapted to cooperate with each other for centering the perforated bearing member within said support, a cap bearing member movably mounted in the upper chamber in overlying relation to said bezel and perforated bearing member and in overlying and spaced relation to the annular shoulder at a distance therefrom sufficient to prevent said cap bearing member abutting said shoulder and, hence, from tilting off the bezel and perforated bearing member in case the clockwork is subjected to jar which exerts an axial or radial thrust on the pivot, and spring means freely engaging said cap bearing member for pressing said cap member against said bezel and for yieldingly maintaining said bezel and perforated bearing member in said cavity.

2,272,337
SHOVEL BUCKET
Harry G. Dines, Yakima, Wash.
Application July 10, 1940, Serial No. 344,823
1 Claim. (Cl. 214—137)

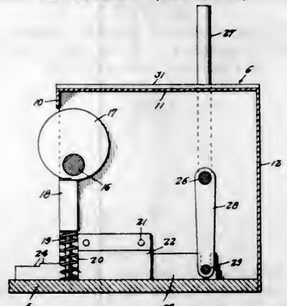


In a shovel of the kind described, an upwardly inclined boom having a pulley at its upper end, a stick slidably mounted on said boom to project forwardly therefrom, an upright fixed on the forward end of the stick, a bucket having a closed bottom, lugs extending rearwardly from the bottom of said bucket and straddling the forward end of the stick, a pivot pin passing through said lug and stick, a stop extending forwardly from the upper end of the upright for engagement by the upper part of the rear wall of the bucket, a cable connected to the upper part of said rear wall and extending over the pulley to hold the bucket against the stop, a yoke straddling the upper end of the upright and pivoted thereto, said yoke extending upwardly and then forwardly to form a hook engaging portion, a bevelled hook extending rearwardly from the top of said rear wall and normally engaged by said yoke, and means to trip the yoke and release the bucket.

2,272,338
CERAMIC BODY, ESPECIALLY ADAPTED FOR USE AS A SPARK PLUG INSULATOR
Albra H. Fessler and Karl Schwartzwalder, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application February 19, 1938, Serial No. 191,400
10 Claims. (Cl. 106—46)

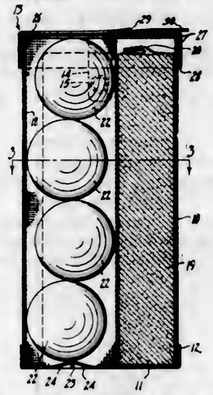
1. Ceramic material in the form of a dense, non-porous, sintered mass showing upon chemical analysis a content of approximately 85 to 99% aluminum oxide, from .67 to 10% zirconium oxide and from .33 to 5% silicon dioxide, said material being substantially free from zircon.

2,272,339
WIRE CLAMPING DEVICE FOR LOOSE-LEAF BINDERS
Kenneth V. Goodloe, Houston, Tex., assignor to Clarke & Courts, Houston, Tex., a corporation
Application May 7, 1941, Serial No. 392,392
4 Claims. (Cl. 11—1)



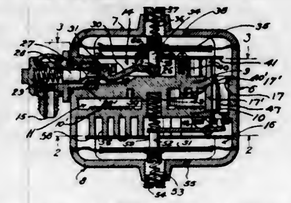
3. In a device of the character described, a tray adapted to receive thereon a book of loose leaves with a tubular binding strip associated therewith and in open position, guide members rising from said tray adjacent one end thereof, a pressure bar supported by said guide members for movement in a plane perpendicular to said tray and for engagement with the binding strip when placed therebeneath for applying pressure to said strip to effect a closing of the strip, manually manipulative means mounted at said end of the tray and operatively associated with said pressure bar for applying pressure to the bar to cause the same to move downwardly and into pressure exerting engagement with the binder strip, stop bars slidably positioned on said tray adjacent opposite ends of said pressure bar and movable in a direction laterally with respect to the pressure bar into and out of the path of said pressure bar for limiting downward movement of the pressure bar, and manually manipulative means operatively connected with said stop bars for projecting and retracting said bars and for securing said bars at the desired position of adjustment, said stop bars respectively having a stepped upper edge providing therefor a series of stops to be selectively positioned in the path of said pressure bar.

2,272,340
HEATER FOR GOLF BALLS
Walter Darden Hampton, Greensboro, N. C.
Application February 6, 1941, Serial No. 377,615
4 Claims. (Cl. 263—4)



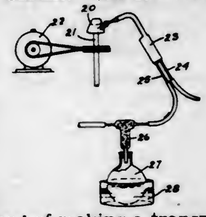
1. A device for the uses and purposes set forth comprising a portable receptacle, a passage in the receptacle constructed and adapted to hold a plurality of golf balls, a heat generating unit embracing the passage, and a closure at one end of the passage to permit the removal of a heated ball from the passage and a port at the other end of the passage to permit the insertion of a fresh ball.

2,272,341
VAPORIZER AND PRESSURE REGULATOR
George L. Holzapfel, Los Angeles, Calif.
Application February 6, 1940, Serial No. 317,563
3 Claims. (Cl. 48—106)



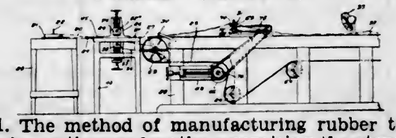
1. A vaporizer and pressure regulator comprising a hollow body, a heating chamber in said hollow body, the walls of said heating chamber and said hollow body defining a primary chamber on one side of said heating chamber, and a secondary chamber on the other side of said heating chamber, an inlet to said primary chamber, an outlet from said primary chamber, a passage between said primary and secondary chambers, a pressure responsive means positioned in said primary chamber, a valve in said inlet, an operating connection between said pressure responsive means and said valve whereby said valve is opened and closed to maintain a controlled pressure in said primary chamber, a valve in said passage between the primary and the secondary chamber, a pressure responsive means in said secondary chamber, an operating connection between said valve in said last mentioned passage and said pressure responsive means whereby said valve is opened and closed to maintain a controlled pressure in said secondary chamber, a heating fluid inlet to said heating chamber and a heating fluid outlet from said heating chamber.

2,272,342
METHOD OF MAKING A TRANSPARENT ARTICLE OF SILICA
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 27, 1934, Serial No. 741,709
12 Claims. (Cl. 49—78.1)



5. The method of making a transparent article of silica, which includes vaporizing a hydrolyzable compound of silicon into a high temperature flame of combustible gas combined with oxygen, impinging the flame on a refractory core to deposit thereon a layer of silica in the shape of the desired article, and vitrifying the layer to a transparent article at a temperature of from 1000° C. to 1400° C.

2,272,343
MANUFACTURE OF RUBBER TUBING
John A. Kelly, Riverside, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application May 3, 1940, Serial No. 333,134
8 Claims. (Cl. 154—8)

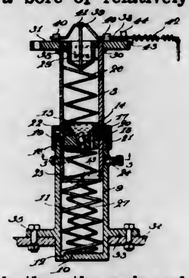


1. The method of manufacturing rubber tubing in continuous lengths comprising the steps of forming unvulcanized rubber into a ribbon of greater width than the circumference of the desired tubing and of sufficient thickness to form a self-supporting wall when shaped into a tube, folding the ribbon, shearing the excess rubber at the contiguous free edges and simultaneously causing said free edges to adhere to each other, joining the edges by the application of pressure and simultaneously moving the tubing under pressure to cause an ironing effect, and vulcanizing the resultant tubing.

2,272,344
SHOCK ABSORBING PEDESTAL FOR SEATS
Albert M. Kimbro, Houston, Tex.
Application October 7, 1940, Serial No. 360,156
4 Claims. (Cl. 155—52)

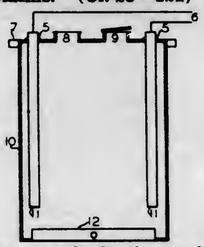
2. In a shock absorbing pedestal, a lower cylinder closed at the bottom end and adapted to be mounted in fixed position, an upper cylinder closed at the top and having its lower por-

tion slidably fitted within the upper portion of the lower cylinder, a coil spring mounted in the lower cylinder and engaging the bottom edge of the upper cylinder to yieldingly support the latter, the lower portion of the said upper cylinder having an annular groove formed therein, a piston slidably mounted within the upper cylinder having a bore of relatively large diameter



formed axially therethrough and a bore of smaller diameter parallel with the said larger bore, a check valve member mounted to prevent downward movement of fluid through the larger bore of the said piston, a coil spring disposed between the bottom of the piston and the closed bottom of the lower cylinder, and a second coiled spring mounted between the top of the piston and the closed top of the upper cylinder.

2,272,345
PROCESS OF DEHYDRATING SALTS
Kenneth A. Kobe, Seattle, Wash.
Application October 11, 1939, Serial No. 298,970
6 Claims. (Cl. 23—121)

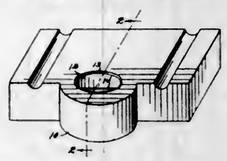


1. The process of dehydrating sodium sulfate decahydrate, which comprises forming a saturated solution of sodium sulfate, heating and maintaining said saturated solution at a temperature above 32.4° C. by passing alternating current between electrodes placed in touch with the saturated solution below the surface thereof thus to cause said saturated solution to become heated by reason of its resistance, cooling at least one of said electrodes to a temperature below that of the saturated solution, and feeding sodium sulfate decahydrate into said saturated solution.

2,272,346
CERAMIC ARTICLE AND METHOD OF MAKING SAME
Taine G. McDougal, Karl Schwartzwalder, and Albra H. Fessler, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application May 9, 1940, Serial No. 334,266
3 Claims. (Cl. 106—46)

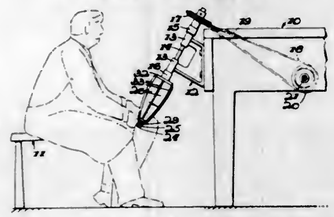
1. A ceramic product made by firing a ceramic mixture consisting of from .35 to 99% beryllium oxide, from .50 to 96% aluminum oxide and from .50 to 30% silicon dioxide.

2,272,347
INSTANTANEOUS CIGARETTE EXTINGUISHER
Victor T. Milward, Santa Barbara, Calif.
Application October 28, 1938, Serial No. 237,535
1 Claim. (Cl. 131—235)



A cigarette extinguisher, comprising a hollow tube adapted for association with an ash receptacle, and a blade vertically disposed within said tube and having a horizontal transverse edge approximately midway between the upper and lower end of the tube.

2,272,348
APPARATUS FOR TREATING THE FLESH SIDE OF SKINS
Morris S. Newman, Middletown, N. Y.
Application April 10, 1941, Serial No. 387,967
2 Claims. (Cl. 149—20)

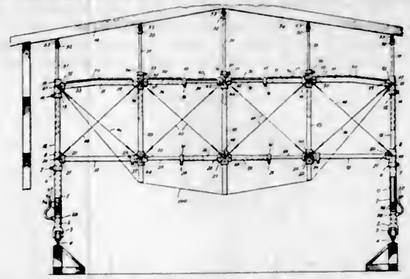


1. A machine for treating the flesh side of skins for stretching and rubbing the surface thereof to remove surplus membrane, comprising a support, a vertically inclined rotary shaft mounted upon the support and having its lower end free, a head mounted upon the shaft, said head including rigid parts, said head tapering downwardly, blades mounted upon the head and extending longitudinally of the same, said blades having outer cutting edges which converge downwardly, the blades being circumferentially spaced and extending radially beyond the parts of the head, said rigid parts having convex surfaces of abrasive material substantially completely filling the circumferential spaces between the blades to provide relatively large rubbing surfaces, the arrangement being such that the skin stretched over the blades will contact with the abrasive surface between the blades.

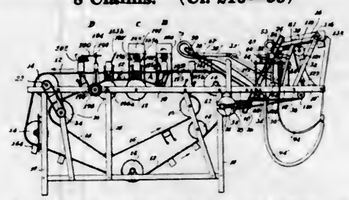
2,272,349
SCAFFOLD
Edward A. Noser, McAllen, Tex.
Application July 21, 1941, Serial No. 403,249
7 Claims. (Cl. 304—2)

1. A scaffold comprising two extendible upright end frames, substantially rigid telescoping elements forming longitudinal connections between said frames and permitting said frames to be adjusted toward or away from each other to reduce or to increase the length of the scaffold while said end frames are in any of their extended positions, means for securing said telescoping elements rigidly in their different adjustments, means for applying liquid pressure to

extend said frames vertically, means supported by certain of said telescoping elements for supporting the workmen, and means for supporting the work above the workmen's support.



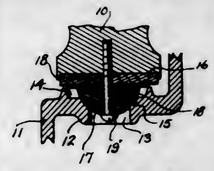
2,272,350
LABELING MACHINE
Aristides Poggio, Zarate, Buenos Aires, Argentina
Application May 17, 1940, Serial No. 335,851
8 Claims. (Cl. 216—55)



1. A labeling machine for labeling cans, in particular cans of substantially frusto-pyramidal shape having a square base comprising a frame, an outer and an inner endless conveyor mounted on said frame and arranged to run in synchronism, said outer conveyor surrounding said inner conveyor and having a portion adjacent but non-parallel thereto, driving means on said frame for driving said conveyors, a plurality of can receptacles arranged in spaced relation along said outer conveyor, a can chute having a delivery end arranged in proximity to one end of the frame, a label holder disposed between said can chute and said frame, transfer devices located at said end of the frame and comprising a can lifter assembly and a label lifter assembly for respectively depositing a label and a can in engagement with a can receptacle, actuating means for said transfer devices, and a plurality of wiper devices including pairs of wiper brushes for embracing the cans and being mounted on the inner conveyor and directed towards the outer conveyor to successively engage and disengage the cans in said receptacles by the non-parallel movement of the adjacent portions of said conveyors.

2,272,351
FAUCET
Carmine Polcari, Boston, Mass.
Application July 8, 1941, Serial No. 401,505
2 Claims. (Cl. 251—27)

1. A faucet including a partition having upper and lower valve seats, a valve stem threadedly carried by the faucet in axial alignment with the valve seats, a fibrous washer carried at the inner end of the valve stem in opposed relation to the upper valve seat, a semi-spherical auxiliary rubber washer of lesser diameter at its base than the diameter of the fibrous washer bearing against the inner face of said fibrous washer and extending inwardly therefrom in opposed relation to the lower valve seat, said rubber washer

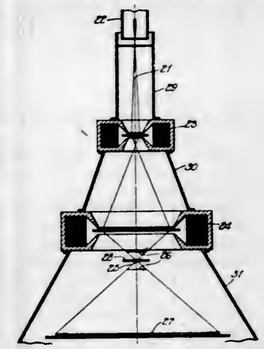


being disposed relative to the fibrous washer for engagement with its seat in advance of seating of the fibrous washer.

2,272,352
CASEIN-COLD-PROCESS
Kurt Ripper, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 12, 1938, Serial No. 240,204. In Austria November 13, 1937
4 Claims. (Cl. 260—6)

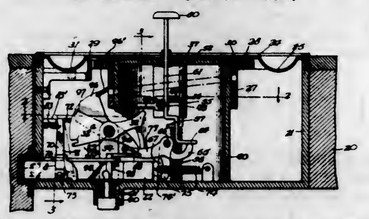
1. The process which comprises mixing in aqueous solution casein and a carbamide selected from the group consisting of urea, thiourea, and mixtures of the same, allowing the mixture to stand for a short time until the protein becomes swollen and the mixture has assumed the consistency of paste, adding formaldehyde to such paste and allowing the mix thus produced to react at substantially room temperatures for a period of at least about 40 hours until the reaction product is liquefiable at temperatures not about about 50° C., the reaction being maintained weakly acid substantially throughout.

2,272,353
ELECTRONIC MICROSCOPE
Ernst Ruska, Berlin-Spandau, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application August 20, 1940, Serial No. 353,338
In Germany July 22, 1939
7 Claims. (Cl. 250—49.5)



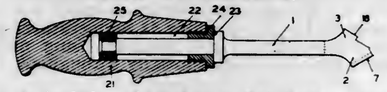
1. In an electron-optical apparatus having a source of an electron beam, means for holding an object in the path of said beam, and electron-optical lens means for causing said beam to produce a magnified image of the object, said source having a cold cathode of pointed shape directed towards the object.

2,272,354
COMBINATION LOCK
Albert Sanowskis, Chicago, Ill.
Application July 26, 1940, Serial No. 347,573
10 Claims. (Cl. 70—305)



1. A combination lock comprising a plurality of coaxially pivoted tumblers, a member for shifting the tumblers, manually operable means for imparting selective operative strokes to said member, and an escapement-device operable by said means and comprising a toothed bar and an element controlled by the teeth of said bar for producing step-by-step movements of the member for successive operation of the tumblers.

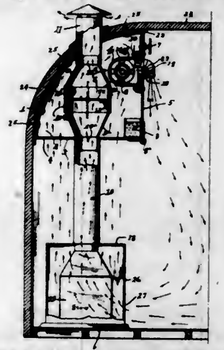
2,272,355
TOOL FOR WASHERS
Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application May 31, 1940, Serial No. 338,143
2 Claims. (Cl. 81—3)



1. A tool for clamping a flat locking washer of the C type comprising a longitudinal member having a slot forming legs, the inner sides of the legs adjacent their ends being provided with parallel walls for engaging side edges of the washer, each of said legs being provided on its inner side with a land adjacent and at a right angle to the wall thereof, said lands being spaced inwardly from the ends of the legs and lying in the same plane and said walls being of less depth than the thickness of the washer whereby said lands can have pressure engagement with the top surfaces of the portions of the washer, the side edges of which are engaged by the parallel walls.

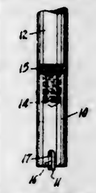
2,272,356
TRAILER HEAT AND AIR CONDITIONING DEVICE
Clarence R. Sims, Elkhart, Ind., assignor to Therm-U-lator Corporation, Elkhart, Ind., a corporation of Indiana
Application April 19, 1941, Serial No. 389,457
7 Claims. (Cl. 237—55)

5. In a trailer heat and air-conditioning device, the combination of a quadrant-shaped housing mounted in the curved side of a trailer, said housing having a large opening in the bottom thereof, and having a vertical hinged door, a latch for said door, a container of water mounted in said housing, a blower fan also mounted in said casing housing and having an adjustable conduit for directing the heated air to the portion of the trailer desired, a screened inlet for admission of cooling air to the blower unit, a heating element mounted on the floor of the trailer, a casing enclosing said heating element, said casing having an opening near the bottom thereof and having the top of the casing perforated and disposed directly beneath the opening in the bottom of the quadrant-shaped housing, a hot air conduit extending from the heating element to the quadrant-shaped housing, a heat drum within the quadrant-shaped housing and connected with



the aforesaid heat conduit, said heat drum consisting of a pair of connected frusto-conical sections, one of said sections being connected to the hot air conduit, and a chimney connecting with the other section of said heat drum, a damper mounted in the heat drum, and a stop element to limit the movement of the said damper.

2,272,357
SCREW DRIVER
Floyd C. Snyder, Akron, Ohio
Application July 17, 1940, Serial No. 345,951
2 Claims. (Cl. 145—50)

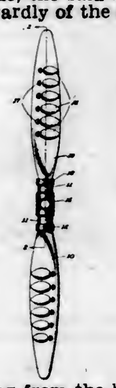


1. A screw driver comprising a rectangular bit of tempered sheet metal and a holder for said bit, said holder being formed near an end thereof with a diametric bore and a slot of narrower width than the bore extending from the end of the holder to said bore, the plane of the slot being disposed at an angle to the axis of said bore, said bit being receivable endwise into said slot and having a marginal portion that is bent out of the plane of the bit, said marginal portion being receivable in the bore in said holder and being locally deformed by reason of the non-parallel arrangement of bore and slot whereby removal of the bit from the holder is resisted by mechanical interlock of said elements and friction resulting from said local deformation of the offset portion of the bit.

2,272,358
AIRPLANE PROPELLER
Edward C. Steinhaus, Chicago, Ill.
Application December 2, 1940, Serial No. 368,241
4 Claims. (Cl. 170—172)

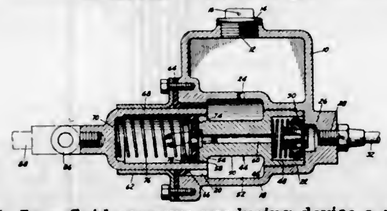
1. In a device of the class described, a hollow propeller blade open at one end to receive air under forced pressure therein, a plurality of convexities formed transversely on the low-pressure

side of the said blade, the said blade having air outlet openings forwardly of the said convexities,



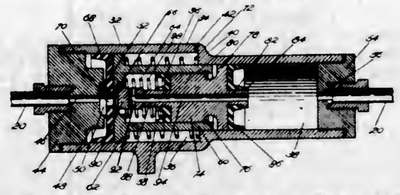
and means projecting from the blade for directing the air escaping from the said openings toward the said convexities.

2,272,359
FLUID PRESSURE BRAKING SYSTEM
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 2, 1938, Serial No. 205,638
12 Claims. (Cl. 60—54.6)



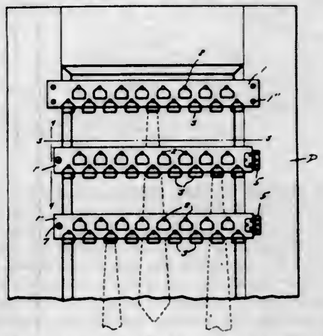
1. In a fluid pressure producing device a sealing means comprising a flexible sealing cup having an axial opening, a perforated flexible convex support, a concentric sleeve on the support extending through the opening in the cup, and a flange on the sleeve embracing the cup, said support having a bypass opening therethrough.

2,272,360
FLUID PRESSURE BOOSTER
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application August 12, 1939, Serial No. 289,875
6 Claims. (Cl. 60—54.6)



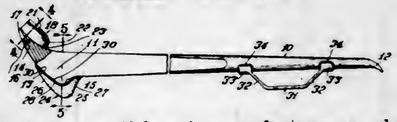
1. A fluid pressure booster comprising a double diametral cylinder, a piston reciprocable therein including a shell having a head complementary to the large diameter of the cylinder and a port in the head, a member reciprocable in the shell having a passage therethrough, a head on one end of the member complementary to the small diameter of the cylinder, and a part on the other end of the member for control of the port.

2,272,361
TIE HOLDER
Robert A. Troidl, Lake George, N. Y.
Application April 14, 1941, Serial No. 388,519
1 Claim. (Cl. 211—87)



In a tie supporting device, a supporting member, a pair of boards, two longitudinally extending and vertically spaced rows of studs carried by each board, the studs of one row being staggered in relation to the studs of the other row, small hangers depending from the studs and swiveled thereto for movement about a horizontal axis, each hanger having a straight horizontal extending lower portion over which a tie is adapted to be looped, the lower board being spaced below the upper board, a hinge for hinging one end of the lower board to the supporting member, said hinge having that leaf which is connected to the board shaped to hold the board in spaced relation to the supporting member when the said board is in position paralleling the top board, whereby the lower board is spaced outwardly from the top board, and latch means for connecting the other end of the lower board to the supporting member, said latch means holding said other end of the board in spaced relation to the supporting member.

2,272,362
CLAW BAR
Bruce J. Barker, Richmond, Ind.
Application May 26, 1941, Serial No. 395,159
6 Claims. (Cl. 254—25)

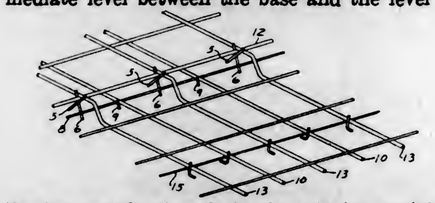


1. As an article of manufacture, a shield adapted for attachment to the end of the foot of a claw bar having a recess therein, said shield comprising a hollow member open at one end and at its bottom and having side and end walls and a top wall portion, there being a recess in the front end of said top wall portion.

2,272,363
SUPPORT AND SPACER FOR CONCRETE REINFORCEMENT
John L. Callaway, Jr., Birmingham, Ala., assignor to Connors Steel Company, a corporation of Delaware
Application February 5, 1940, Serial No. 317,339
3 Claims. (Cl. 72—122)

1. A supporting and spacing element for con-

crete reinforcement, comprising a plurality of substantially X-shaped stands formed of a pair of support members secured together near the crotch of the X-shape and arranged in spaced parallel relation, and a longitudinal tie bar rigidly connected to the corresponding leg of a plurality of said stands and disposed at an intermediate level between the base and the level of



the top crotch of said stands, said top crotches of the stands being disposed in alignment and adapted to receive and support a demountable bar for supporting an upper course of reinforcement and the said tie bar being adapted to support a lower course of reinforcement, whereby said elements are adapted to support an assembly of reinforcing bars lying in different levels.

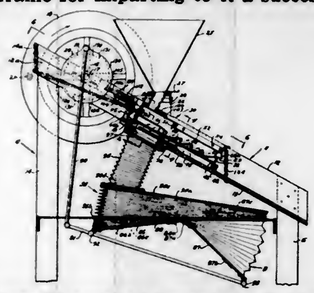
2,272,364
OILING TOOL
John W. Connors, Washington, D. C.
Application May 24, 1940, Serial No. 337,069
4 Claims. (Cl. 221—44)



1. An oiling tool comprising a substantially airtight casing constituting an oil reservoir, a relatively wide, thin oil applying nib in communication with said reservoir, a medial oil channel lying above the facial plane of said nib and extending to the end thereof, and a small oil outlet passage at the end of said nib, said nib being formed of resilient metal whereby lateral pressure thereon is transmitted to said channel during operation thereof to expel oil through said oil outlet.

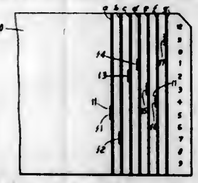
2,272,365
MINERAL SEPARATING APPARATUS
Jean B. Coureng, Los Angeles, Calif.
Application April 17, 1939, Serial No. 268,297
8 Claims. (Cl. 209—468)

1. A separator comprising a shaker frame having a series of step-like surfaces at successively lower elevations over which material to be separated may be passed in succession, each of said surfaces being slightly downwardly inclined, and the pitch of the series of steps formed by said surfaces being substantially greater than the inclination of individual surfaces, teeth on said surfaces directed oppositely to the direction of said downward inclination, means supporting said shaker frame for longitudinal reciprocative movement, and means connected with said shaker frame for imparting to it a succession of



quick, abruptly arrested movements in the direction in which said teeth are directed.

2,272,366
CONTROL ELEMENT FOR STATISTICAL MACHINES
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,444
1 Claim. (Cl. 235—61.12)

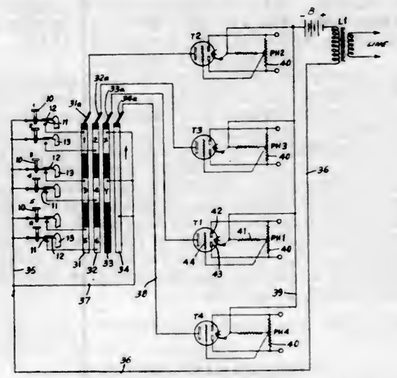


A control element for controlling the operations of statistical machines comprising a record medium provided with data designations for representing multidenominational order amounts, which designations are differentially disposed thereon in different columnar areas so as to represent by their positioning in the said areas the digital values of the amount digits, and wherein the said designations comprise index marks having linearly arranged light modifying portions for representing predetermined frequency values in order to designate the denominational order values of the amount digits, which linearly arranged portions extend longitudinally of the columns, and the frequency value of each index mark in a columnar area being different with respect to the frequency values of the other marks in the remaining columnar areas.

2,272,367
COMMUNICATION SYSTEM
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 290,275
3 Claims. (Cl. 178—33)

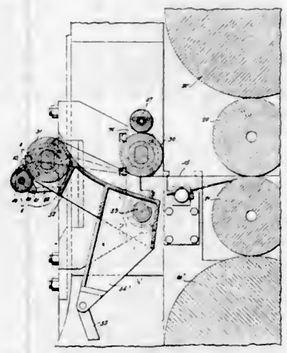
1. In a communication system, a plurality of sources of current of different phases, character selecting means for simultaneously selecting predetermined ones of said current sources for operation in accordance with the character selected, a cyclically operating commutator comprising a plurality of rings one for each source of current with conducting segments cooperating with the selecting means to render the selected currents effective for transmission of current impulses at

a differential time within a cycle of operation, a transmitting device and individual circuits extending thereto from each ring and adapted to be completed by the conducting segments, means to receive said impulses and individual circuits leading from said receiving means corresponding



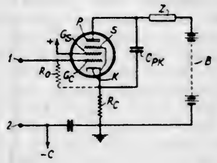
to those extending from said commutator rings, a plurality of control magnets and permutation magnets in said circuits, means whereby certain of the impulses are directed to energize the control magnets so as to condition the permutation magnets for selective operation by the remaining impulses to effect selection of the character.

2,272,368
METHOD OF AND APPARATUS FOR LUBRICATING SHEET METAL
Joseph Duffy, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 25, 1939, Serial No. 275,740
17 Claims. (Cl. 80—35)



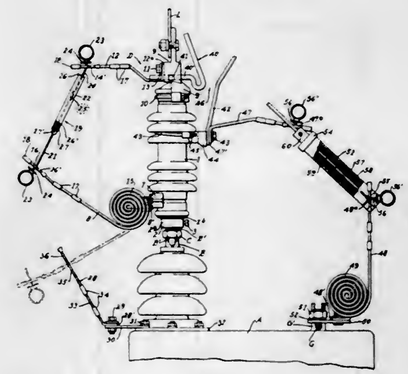
1. In a cold reduction strip mill comprising at least two stands of reduction rolls and non-reducing tension rolls for the strip positioned between said stands; means for applying lubricant to the strip, comprising a lubricant applicator roll having its surface in contact with one of said tension rolls, and means for supplying lubricant to the surface of said applicator roll, to be transferred by the tension roll to the surface of said strip.

2,272,369
VACUUM TUBE CIRCUIT
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1940, Serial No. 326,595
5 Claims. (Cl. 179—171)



1. In a vacuum tube circuit adapted for operation at high frequencies, said circuit utilizing a tube having at least a cathode, a control grid and an anode, each of which is provided with an external terminal, and wherein an unbypassed cathode resistor is employed for obtaining a constant input conductance with change in grid bias, characterized in that a condenser is connected between the external terminal of the anode and that of the cathode whereby the constant input conductance is reduced to a lower value.

2,272,370
ELECTRICAL PROTECTIVE DEVICE
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application June 10, 1939, Serial No. 278,435
7 Claims. (Cl. 200—115)



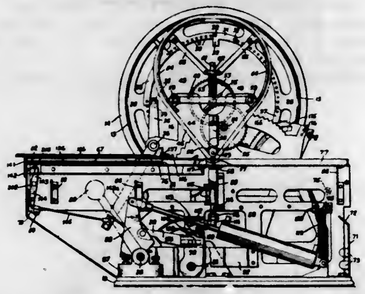
1. A protective device adapted for association with an article of electrical equipment, comprising an insulating support, a terminal mounted on said insulating support to which is connected a power line that conducts electrical energy to the article of electrical equipment with which the protective device is associated, an arm electrically and mechanically connected to said terminal, a movable arm supported by said insulating support in spaced relation relative to the first-mentioned arm, a fusible link connected to said arms and normally restraining said movable arm against movement, said terminal, said arms and said fusible link being parts of the electrical path leading to the article of electrical equipment with which the protective device is

associated and said fusible link being adapted to be ruptured by an electrical failure to release said movable arm for movement, a grounding contact adapted to be electrically connected to the article of electrical equipment with which the protective device is associated and adapted to receive in contact therewith said movable arm when same is released by rupture of said fusible link whereby the article of electrical equipment is successively disconnected and grounded during a single continuous operation of the device, and surge arresting means for protecting an article of electrical equipment with which the protective device is associated from surges, resulting from lightening and other causes, said surge arresting means including a pair of spaced elements providing an air gap therebetween one of which is electrically and mechanically connected to said terminal, and spaced arms between which a surge unit is supported in contact therewith.

2,272,371
VOTING MACHINE OF THE RECORDING TYPE

Frederick H. M. Hart and Robert E. Hart, Poughkeepsie, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 30, 1939, Serial No. 311,846
14 Claims. (Cl. 101—94)



3. In a recording machine the combination of a printing head comprising a settable member carrying printing members individually insertible therein for printing different data, a rotatable drum carrying a sheet representing said data, means connecting said member and said drum for causing the positioning of selected printing members, corresponding to the selected data on said sheet, to a printing position, a reciprocable carriage carrying a record to be printed and normally positioned for view exterior of machine but positionable to either a printing or writing position, means for controlling successive printing or writing positions of said carriage, operating means for said machine, means operated by said operating means for reciprocating said carriage to position the latter from its normal position to a printing position or to a writing position and thereafter retracting said carriage to its normal position to enable the printing or writing on the record to be viewed, means to effect an imprint on the record from a selected printing member when the carriage is at printing position, and selectively operated means controlled by said drum for controlling said controlling means to determine whether the latter is to control the position of the carriage at a writing position or at a printing position.

2,272,372
PROCESS OF SELECTIVELY REFINING PETROLEUM OILS

Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware

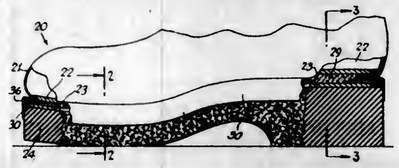
No Drawing. Original application December 17, 1936, Serial No. 116,348. Divided and this application April 23, 1940, Serial No. 331,158
1 Claim. (Cl. 196—13)

A process of refining petroleum hydrocarbons which comprises, contacting a mixed base petroleum oil with furfural at a temperature above the miscibility temperature of the oil and the solvent; stratifying the mass into an oil phase and a solvent phase; separating the solvent phase with its dissolved naphthenic constituents from the oil phase; cooling the solvent phase to remove additional quantities of oil therefrom, and then treating the solvent phase, at relatively low temperatures, with triamylamine which is characterized by a substantial immiscibility with furfural at said temperature.

2,272,373
SHOEMAKING METHOD

Bennett Jayne, New York, N. Y., assignor of one-half to Dominick Calderazzo, Dolgeville, N. Y.

Application September 7, 1939, Serial No. 293,697
1 Claim. (Cl. 12—142)



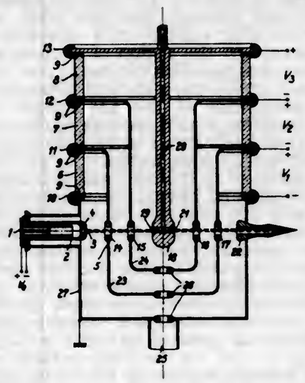
In a method of assembling a shoe having a resilient outsole made of sponge rubber or the like, those steps for attaching said outsole to said shoe which comprise securing an edge portion of an apron to said upper to leave a free apron portion, temporarily securing said free apron portion to said upper, applying adhesive to the exposed surface of said free apron portion, detaching said free apron portion from said upper, and then adhesively attaching said free apron portion to the edge of said outsole.

2,272,374
DEVICE FOR GENERATING A BEAM OF IONS

Hartmut Israel Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

Application May 20, 1940, Serial No. 336,310
In Germany June 16, 1939
6 Claims. (Cl. 250—84)

1. A device for generating and accelerating a beam of ions, comprising a casing containing a source of negative ions and an ion-collector in its opposite walls, a plurality of accelerating electrodes spaced from said casing and from one another, a central insulated electrode containing means for converting negative ions into positive ions, said accelerating electrodes being provided each with an aperture permitting the passage of the negative ions from said source toward said central electrode and an aperture permitting the passage of the positive ions converted from the negative ions by the central electrode toward said ion collector, and annular insulators

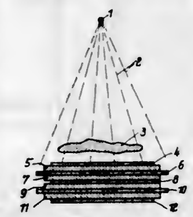


separating said electrodes from said casing, and from one another.

2,272,375
ARRANGEMENT FOR REPRODUCING THE INTENSITY DISTRIBUTION IN A RAY OF SLOW NEUTRONS

Hartmut Israel Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

Application August 2, 1940, Serial No. 349,640
In Germany September 22, 1939
11 Claims. (Cl. 250—83)



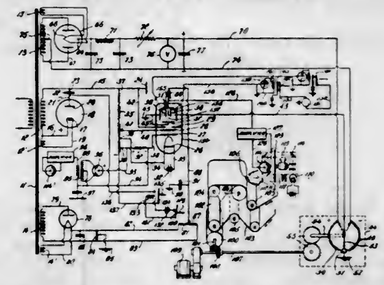
1. A method for showing a representation of the distribution of the intensity in a beam of slow neutrons, especially for the representation of an object by means of neutron radiation passing through the same, which comprises impinging such slow neutrons on a layer containing gadolinium whereby soft radiation is emitted by the gadolinium, and causing said soft radiation to act upon a sensitive layer of the group consisting of a fluorescent layer and a light-sensitive layer whereby a visual representation of the distribution of the intensity in the beam of slow neutrons is produced in said sensitive layer.

2,272,376
WEB REGISTERING MECHANISM

Hermann Kott, East Orange, N. J., assignor, by mesne assignments, to Speedry Gravure Corporation, Hoboken, N. J., a corporation of New York

Application September 6, 1939, Serial No. 293,527
20 Claims. (Cl. 177—311)

9. In a device for indicating the movement of a drive means for presenting key and main indicia periodically to separate respective desired locations, the combination of an electro-responsive device having a first means to maintain a normal electro-responsive operation and having a second means to vary said operation from normal, means responsive to the occurrence of the main indicia at its respective desired location to

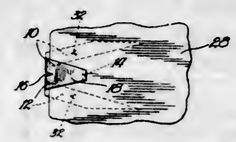


supply a periodically pulsating electric current to the second means, and means responsive to the occurrence of the key indicia at its respective desired location to supply a periodically pulsating electric current to the second means having a greater frequency than the current supplied in response to the main indicia and being opposite in effect thereto.

2,272,377
ROOFING

George Stanley Logan, Fulton, N. Y.

Application October 10, 1938, Serial No. 234,285
3 Claims. (Cl. 108—33)



1. A roofing clip comprising a fastening tang; a top reach lying at an angle to said tang; a riser reach lying at an angle to said top reach and in general parallelism with said tang; and an anchor reach lying substantially at an angle to said riser reach generally parallel to said top reach, said tang and all said reaches being bent up out of a single V-shaped piece of sheet metal.

2,272,378
PREPARATION OF LOWER SUGARS

Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

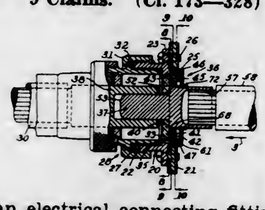
No Drawing. Application September 8, 1939, Serial No. 293,978
19 Claims. (Cl. 260—594)

1. A process for the preparation of 2 to 4 carbon atom sugars comprising the step of condensing formaldehyde in non-alkaline substantially anhydrous solution in an inert solvent therefor while in contact with a condensation catalyst selected from the group consisting of the oxides, hydroxides, carbonates and organic salts of the metals, lead, magnesium, zinc and the alkaline earth metals, whereby sugars of 2 to 4 carbon atoms are formed.

2,272,379
CONTACT MOUNTING FOR ELECTRICAL DEVICES

Douglas H. Loukota and Raymond C. Durant, Pasadena, and Edward J. Neifing, Los Angeles, Calif., assignors to James H. Cannon, Los Angeles, Calif.

Application August 2, 1940, Serial No. 350,015
9 Claims. (Cl. 173—328)

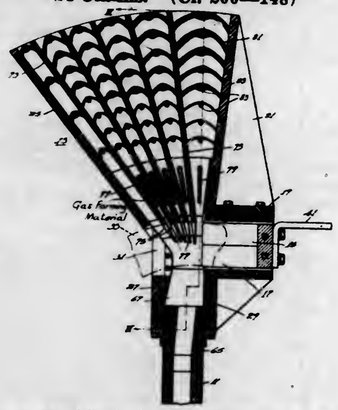


7. In an electrical connecting fitting movable into and out of engagement with a complementary connecting fitting, the combination of: an insulating member having a longitudinal passage extending completely therethrough, the rearward portion of said passage being of non-circular cross section, an intermediate portion of said passage forming a locking recess, the portion of the passage forward of said recess being of smaller cross-sectional dimension than said rearward portion of the passage; a contact member extending through said passage with a portion projecting forward from the insulating body for electrical contact with said complementary fitting, said contact member having a peripheral bayonet projection normally extending in locking position into said locking recess, the cross-sectional dimension of the contact member at said bayonet projection being greater than the cross-sectional dimension of said forward portion of the passage; and locking means extending through said insulating member to block unlocking movement of said bayonet projection, said locking means being releasably engaged with one of said members to prevent retraction of the locking means.

2,272,380
CIRCUIT INTERRUPTER

Leon R. Ludwig, Forest Hills, Herbert L. Rawlins, Wilkinsburg, and Benjamin P. Baker, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 13, 1940, Serial No. 313,736
24 Claims. (Cl. 200—148)

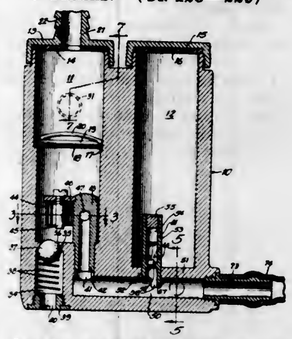


1. In a gas blast circuit interrupter, relatively movable contacts for establishing an arc, means defining a passage for directing a blast of gas transversely of the arc gap formed upon separation of said contacts, the side walls of said passage diverging rapidly in a direction laterally of the arc in the region of contact separation, means causing a blast of gas to flow through said passage of velocity sufficient to prevent substantial divergence of the gas stream at the diverging portion of said passage during the existence of relatively small current arcs, and partition members at least partially of gas forming material disposed in spaced relation transversely of said passage and having their ends extending close to said arc gap, said blast of gas driving the arc against the ends of said partition members, said partition members having the ends thereof against which the arc is driven positioned in the widened portion of the diverging passage and producing gas under pressure during the existence of relatively high current arcs and causing said gas blast to be deflected to either side of the arc at the widened portion of said diverging passage and sweep the ionized gas out of said passage.

2,272,381
DOUCHE APPARATUS

Thomas L. Marvin, Chicago, Ill.

Application October 18, 1939, Serial No. 300,033
8 Claims. (Cl. 128—229)



1. In a douche apparatus, the combination of a casing provided on its interior with a water chamber having a waste port leading therefrom, a relief valve for controlling the discharge through said waste port and being backed by a spring and means for regulating the pressure exerted thereby, the casing being provided below the water chamber with a main discharge duct and a hose connection and nipple communicating therewith, a tubular ported post extending upwardly into the water chamber and communicating at its upper end with the water chamber and at its lower end with the main duct, and a bimetallic thermostatic member mounted on said post and carrying a floating valve member adapted upon the rise of temperature to close the port through said post.

2,272,382
METHOD OF CONSTRUCTING ARCHED STRUCTURES

Matthew H. McCloskey, Jr., Philadelphia, Pa.

Application October 21, 1940, Serial No. 362,165
20 Claims. (Cl. 61—41)

1. The method of constructing an arched structure comprising forming an excavation in the earth to define a negative of the entire lower

surface of an arched structure and its restraint in a single operation, laying therein a complete arched structure and its restraint having a lower surface complementary to the excavation, the earth forming the bottom of said excavation

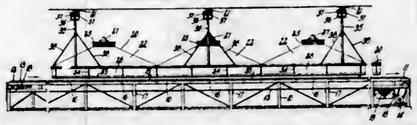


directly supporting the entire weight of said arched structure and its restraint, finishing the upper surface of said arched structure and its restraint while thus supported, and subsequently excavating the earth from within said arched structure.

2,272,383
DRYING APPARATUS

Nathan H. Poor, 2nd, and Sidney G. Judge, Peabody, Mass., assignors to Nathan H. Poor Company, Peabody, Mass., a corporation of Massachusetts

Application June 15, 1939, Serial No. 279,252
2 Claims. (Cl. 34—160)

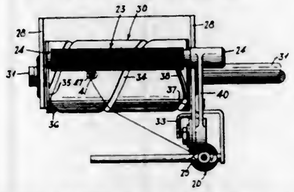


1. An apparatus of the character described comprising, in combination, an endless imperforate conveyor belt to feed sheet material while having a liquid material applied thereto, a chamber for air provided with a narrow elongated discharge orifice for said air positioned above said conveyor belt and above and adjacent to the sheet material thereon, said discharge orifice extending longitudinally of said conveyor belt and tapering at and toward an end thereof, means to force air from said chamber through said orifice against the moistened surface of said sheet material, and means to raise and lower the air chamber.

2,272,384
TRAVERSE ROLL

Wilhelm Reiners, Gladbach-Rheydt, Germany, assignor to Schlafhorst & Co., Gladbach-Rheydt, Germany, a firm of Germany

Application March 9, 1940, Serial No. 323,087
In Germany February 17, 1939
7 Claims. (Cl. 242—26)

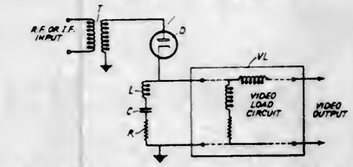


1. Winding means, comprising in combination, a cylindrical rotary traverse roll contacting a strand, a strand winding, said traverse roll having a helical groove formed therein for automatically shifting the strand to be wound upon said winding from one side surface of the traverse roll to the opposite side surface thereof, and at least one projection extending outwardly from the cylindrical surface of said traverse roll and located in the path of the strand during its return movement for guiding said strand in the course of its return movement; and means supplying the strand to the traverse roll and situated at one side thereof to cause the return movement of the strand.

2,272,385
DETECTOR CIRCUIT FOR TELEVISION RECEIVERS

Bernard Salzberg, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1940, Serial No. 337,995
2 Claims. (Cl. 250—27)

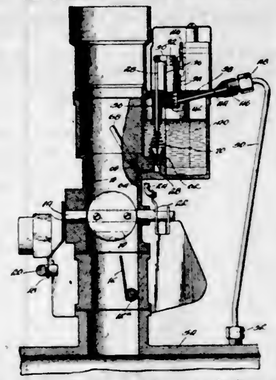


1. A detector circuit for television receivers comprising a close-spaced high perveance diode detector tube having an anode and a cathode, a source of high frequency signal voltage to be rectified connected between the anode and ground, a video load circuit connected between the cathode and ground, and a series circuit consisting of an inductance and a capacity tuned to the operating frequency connected across the video load circuit, the effect of the series resonant circuit being to make the combined load circuit impedance very low at the operating frequency, and to have very little effect on the load circuit at video frequencies.

2,272,386
ATTACHMENT FOR CARBURETORS

Clayton B. Seymour, Chicago, Ill., assignor to Hoof Products Company, a corporation of Illinois

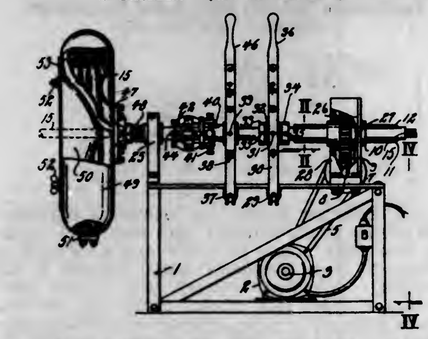
Application January 5, 1939, Serial No. 249,438
11 Claims. (Cl. 123—119)



1. Fuel control means for an internal combustion engine having an intake manifold including a fuel mixture conduit, a carburetor having a manual throttle valve in said fuel mixture conduit, and an automatically controlled throttle valve in said conduit between said manual valve and said intake manifold; including means operable by said manual throttle to regulate the supply of liquid fuel to said conduit in accordance with the throttle setting, and means operative when said automatically controlled valve is in control and operable by pressure in said man-

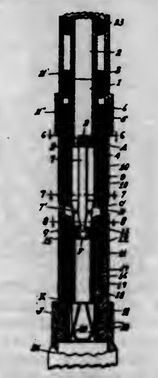
ifold for varying the supply of liquid to a value between the flow determined by said throttle setting and a fixed minimum.

2,272,287
CLEARWAY FOR CLOGGED DUCTS
Robert F. Therrien, Toledo, Ohio, assignor of one-half to Earl M. Myers, Toledo, Ohio
Application June 9, 1938, Serial No. 212,857
2 Claims. (Cl. 15—104.30)



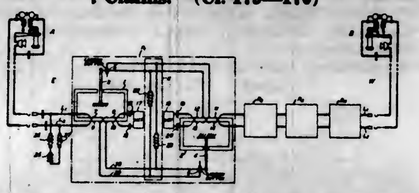
2. Duct interior cleaning means embodying a fixed frame, a motor in the frame, a speed reduction drive from the motor, inner and outer sleeve means carried by the frame and rotatable by the drive, flexible torsion transmission means through the inner sleeve and mounted for movement therewith, a terminal tool mounted on the protruding terminus of said torsion means, a rockable lever operating directly on said inner sleeve from said frame for sliding same relatively to the outer sleeve means and thereby urging the torsion means to progress, and means to grip the torsion means to the inner sleeve.

2,272,288
CONTROLLED PUMPING CHOKE FOR OIL WELLS
Clarence M. Williams, Augusta, Kans.
Application January 25, 1940, Serial No. 315,576
5 Claims. (Cl. 103—180)



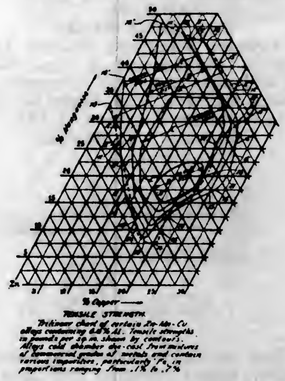
1. In a controlled pumping choke for oil wells, a choke structure of the class described, a reservoir surrounding said choke structure, said choke structure comprised of a jointed hollow choke barrel and a sleeve in which the choke barrel is inserted, one portion of the jointed barrel being secured fluid tight and against rotation in the sleeve, while the other portion is adapted to revolve and move longitudinally, a needle valve positioned in the hollow of the choke barrel, means at the lower end of the movable portion to which the needle valve is secured, said valve adjustably opened and closed by the movable portion of the barrel as the movable portion is moved longitudinally, and the said wall of the sleeve and choke barrel having ports oppositely disposed communicating with the reservoir.

2,272,289
UNATTENDED MECHANICAL REPEATER
Herman A. Affel, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1940, Serial No. 363,733
7 Claims. (Cl. 179—170)



2. In a telephone transmission line including a repeater comprising an electromagnetic input element operating a variable impedance output element, means connected across the conductors of said line to feed electrical energy to said output element through the windings of the said input element.

2,272,390
ALLOY
Edmund A. Anderson and Gerald Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Corporation, New York, N. Y., a corporation of New Jersey
Application January 16, 1940, Serial No. 314,086
9 Claims. (Cl. 75—178)



9. An alloy containing about 0.02 per cent to about 5 per cent aluminum and about 7.5 per cent to about 48.5 per cent manganese, substantially all of the balance of the alloy being elements selected from the group consisting of zinc and copper, the copper being present in effective amount up to about 26.5 per cent, and the copper and manganese contents of the alloy being such as to define a point on the accompanying trilinear chart (Fig. 1) lying within an area

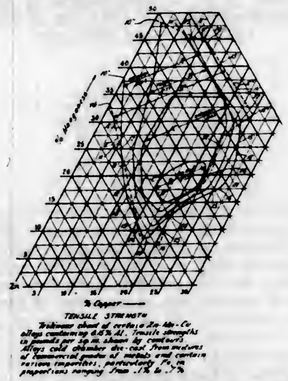
defined by a line connecting the following series of points:

Point No.	Percent Cu	Percent Mn
10	0	33.3
11	5	26
12	10	18
13	15	12
24	16	10
14	20	7.5
25	20.2	10
20	20	12.7
15	25	17
16	26	17.8
21	26.5	20
16'	26	23
18'	26	26
22	23.3	20
15''	25	31
14'	20	36
13'	15	41
28	11	44.5
12'	10	45
23	7.5	45.7
11'	5	47
10''	0	48.5
10	0	33.3

2,272,391
ALLOY
Edmund A. Anderson and Gerald Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application January 16, 1940, Serial No. 314,086. Divided and this application July 18, 1941, Serial No. 402,994
3 Claims. (Cl. 75—178)

1. An alloy consisting of about 0.02 part to about 5 parts aluminum and about 33.3 parts to 48.5 parts manganese and about 66.7 to about 51.5 parts zinc.

2,272,392
ALLOY
Edmund A. Anderson and Gerald Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Original application January 16, 1940, Serial No. 314,086. Divided and this application July 22, 1941, Serial No. 403,568
9 Claims. (Cl. 75—178)



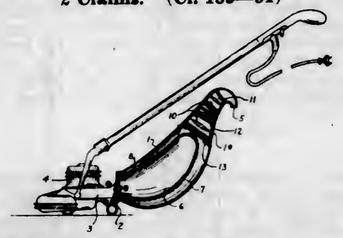
1. An alloy containing about 0.02 per cent to about 5 per cent aluminum and about 7.5 per cent to about 48.5 per cent manganese, substantially all of the balance of the alloy being elements selected from the group consisting of zinc, copper and iron, the copper being present in effective amount up to about 26.5 per cent and the iron being present in effective amount up to about 6 per cent, the copper and the manganese contents of the alloy being such as to define a point on the accompanying trilinear chart (Fig. 1) lying within an area defined by a line connecting the following series of points:

Point No.	Percent Cu	Percent Mn
10	0	33.3
11	5	26
12	10	18
13	15	12
24	16	10
14	20	7.5
25	20.2	10
20	20	12.7
15	25	17
16	26	17.5
21	26.5	20
16'	26	23
18'	25	26
22	23.3	20
15''	25	31
14'	20	36
13'	15	41
28	11	44.5
12'	10	45
23	7.5	45.7
11'	5	47
10''	0	48.5
10	0	33.3

2,272,393
ALLOY
Edmund A. Anderson and Gerald Edmunds, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 18, 1941, Serial No. 402,994, which is a division of application Serial No. 314,086, January 16, 1940. Divided and this application August 27, 1941, Serial No. 408,526
2 Claims. (Cl. 75—178)

1. An alloy consisting of about 0.02 part to about 5 parts aluminum, iron in effective amount up to 6 parts, about 33.3 parts to about 48.5 parts of manganese, and about 66.7 to about 51.5 parts zinc.

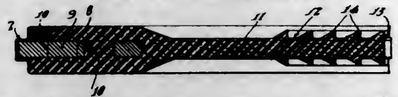
2,272,394
SUCTION CLEANER
Ernest Armstrong, Ottawa, Ontario, Canada, assignor of one-half to Arthur J. Reynolds, Ottawa, Ontario, Canada
Application July 5, 1938, Serial No. 217,475
2 Claims. (Cl. 183—51)



1. A bag for a suction cleaner, comprising a jacket of material impervious to air having an inlet opening adapted for attachment to the output of said suction cleaner unit and an outlet nozzle at or near the remote end, a dust-collecting sack with its mouth arranged in said inlet opening, and at least one filter pad removably carried by said jacket, said pad separating said

outlet nozzle end from the rest of the jacket so that air passed by said dust-collecting sack must filter through said pad before finding egress from said outlet nozzle.

2,272,395
DRILL PIPE WIPER
James C. Ballagh, Los Angeles, Calif., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif., a corporation of California
Application May 29, 1939, Serial No. 276,488
3 Claims. (Cl. 15—210)



3. A drill pipe wiper, comprising a resilient rubber composition member of a general flat disc shape with a central aperture for receiving a drill pipe, said member having its outer portion reinforced by a flat apertured reinforcing ring which is embedded therein with the composition of the member extending through the apertures of the reinforcing ring.

2,272,396
RUBBER COMPOUND AND METHOD OF MAKING SAME
Harold Becher, John Ross, and Jacob Stein, New York, N. Y., assignors, by direct and mesne assignments, to Antiseptics, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 25, 1935, Serial No. 8,146
5 Claims. (Cl. 260—768)

1. A vulcanized addition compound of rubber and an organic antiseptic which has a thiohalide group having a phenolic hydroxy group, said compound having a surface antiseptic effect when in contact with body emissions.

2,272,397
METHOD OF MAKING RUBBER COMPOUNDS OR PRODUCTS
Harold Becher, Albert S. Keston, and Jacob Stein, New York, N. Y., assignors, by direct and mesne assignments, to Antiseptics, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 21, 1935, Serial No. 55,680
1 Claim. (Cl. 260—768)

Antiseptic rubber containing the absorbed and condensed vapor of oxyquinoline, said condensed vapor being in the rubber in sufficient proportion and being sufficiently rapidly releasable from the rubber at ordinary body temperature to produce a surface antiseptic and non-toxic effect when the antiseptic rubber contacts with body emissions.

2,272,398
RUBBER COMPOUND OR PRODUCT AND METHOD OF MAKING THE SAME
Harold Becher, Jacob Stein, and John Ross, New York, N. Y., assignors, by direct and mesne assignments, to Antiseptics, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1937, Serial No. 121,558
6 Claims. (Cl. 260—768)

1. A reaction product capable of developing antiseptic or therapeutic properties upon contact with body emissions comprising rubber, an antiseptic and a substance selected from the group consisting of acids and bases, said product being capable of being decomposed by contact with body emissions to liberate the antiseptic from the product and leave a rubber residue having a pH value different from the product prior to decomposition and other than seven.

2,272,399
RUBBER COMPOUND OR PRODUCT AND METHOD OF MAKING THE SAME
Harold Becher, Jacob Stein, and John Ross, New York, N. Y., assignors, by direct and mesne assignments, to Antiseptics, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1937, Serial No. 121,559
8 Claims. (Cl. 260—768)

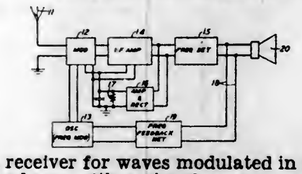
1. In the art of making vulcanized rubber for use in contact with body emissions and which contains an antiseptic which is releasable from said vulcanized rubber to produce an antiseptic and non-toxic effect when said vulcanized rubber contacts with body emissions, that step which consists in incorporating said antiseptic into the rubber subsequent to the vulcanization of the rubber and in suitable proportion to produce said effect.

2,272,400
TERPENE ESTERS
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1940, Serial No. 325,613
23 Claims. (Cl. 260—454)

1. A new terpene compound having the type formula $R(OOCR'Z_w)_y$ in which R is a radical of a terpene polyhydric alcohol, in which R' is a hydrocarbon radical, in which Z is a negative group, and in which w and y are small whole numbers.

6. A terpin di-(thiocyanoacylate).

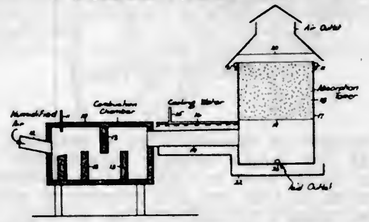
2,272,401
FREQUENCY MODULATION RECEIVER
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1940, Serial No. 365,424
3 Claims. (Cl. 250—20)



1. A receiver for waves modulated in frequency in accordance with a signal, a source of heterodyne oscillations, a modulator for combining the received waves with oscillations from said source, an amplifier for the intermediate frequency output of said modulator, means for detecting the frequency modulations of the output of said amplifier to reproduce the signal, means for frequency modulating the output of the said source by the signal voltage produced by the detecting means, means for producing a direct current voltage proportional to the amplitude of the output of said amplifier, means responsive to said direct current voltage for regulating the gain of said amplifier to maintain the output amplitude

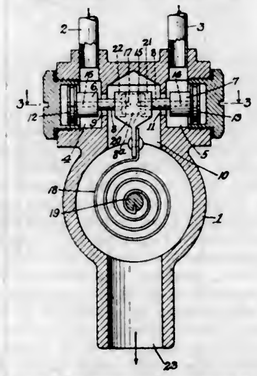
substantially constant, means for producing an alternating voltage proportional to the amplitude modulations of the output of said amplifier, and a negative feedback path for supplying said alternating voltage to the input of said amplifier.

2,272,402
MANUFACTURE OF PHOSPHORIC ACID
Gaston Du Bois, Clayton, Mo., assignor to Monsanto Chemical Company, a corporation of Delaware
Application May 22, 1939, Serial No. 275,130
5 Claims. (Cl. 23—165)



1. A process for producing pure phosphoric acid of strength within the range of 104.9% to 116% equivalent H_3PO_4 content, comprising burning pure yellow phosphorus in air, adjusting the water vapor content of the hot combustion gases so that the oxidation products are hydrated to the extent of containing phosphoric acid having a concentration of between 104.9% and 116% equivalent H_3PO_4 content, contacting said hydrated oxidation products with a resistant metallic surface, said surface being maintained constantly at a temperature below 180° C., condensing upon said cooled metallic surface a flowable film of phosphoric acid having a concentration between 104.9% and 116% equivalent H_3PO_4, said film being substantially immobile adjacent said metallic surface and increasing in flowability with distance outwardly from said metallic surface, and recovering acid from said flowable film.

2,272,403
MIXING VALVE
George C. Fields, South Bend., Ind., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1939, Serial No. 278,541
2 Claims. (Cl. 236—12)



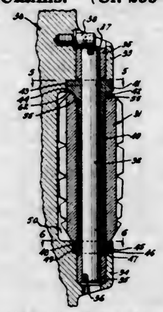
1. A mixing valve comprising a casing, said casing being provided with two inlets, one for hot liquid and the other for cold liquid, two separate chambers, one for each inlet, a piston in each chamber, a valve member in each chamber connected with one side of the piston therein, each chamber being provided with a port through which liquid flows from the chamber, said pistons loosely fitting in said chamber so that liquid flows past them and into contact with the face opposite that to which the valve members are connected, a connecting member connecting the pistons and valve members together, escape passageways extending through said pistons and valve members and the member connecting them together, a controlling device for said escape passageways and a thermostat for moving said control device to inversely control the amount of liquid escaping from said escape passageways.

2,272,404
ADVERTISING FOLDER
Allan L. Firestone, St. Paul, Minn.
Application December 16, 1940, Serial No. 370,383
6 Claims. (Cl. 40—128)



1. An advertising folder comprising, a sheet of foldable material creased along parallel lines to form two main panels and an intermediate leaf section, said leaf section being slit transversely of said crease lines to form an integral display leaf and a fastening member foldable upon one of said main panels and means for retaining said member in overlapping relation to said main panel.

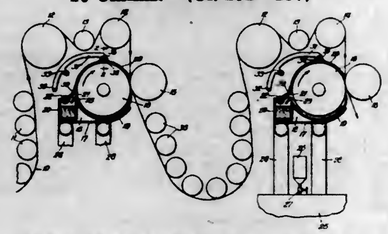
2,272,405
CUTTER MOUNTING FOR WELL REAMERS AND THE LIKE
John Grant and James J. Santiago, Los Angeles, Calif.; said Santiago assignor to said Grant
Application February 20, 1939, Serial No. 257,427
2 Claims. (Cl. 255—73)



1. A well cutting tool having a body rotatable about a central vertical axis and having rotatable cutting means mounted thereon to operate upon the wall of a hole, said means being subjected to a relatively constant rate of wear by reason of such operative engagement with the wall which wear tends to reduce the effective cutting diameter of the tool, including fixed bearing means for said cutting means, the center line of said bearing means which forms the axis about which said cutting means rotates being

disposed at an upwardly and outwardly diverging angle to the vertical axis of said tool, said bearing means and said cutting means having cooperating conical seats, said seats being symmetrically disposed about said center line with the smaller ends of said seats being directed downwardly, the material forming the contacting surface between said seats having a known rate of wear, the conic element line through said seats furthest from the body axis making an angle with said axis such that as said cutting means is forced downwardly against said wall a sliding force is established between said seats to cause said cutting means to diverge from the body axis along said center line, said surface rate of wear being proportional to said peripheral rate of wear of said tool whereby said cutting means slides along said bearing means parallel to the center line to tend to increase the effective diameter of said tool as rapidly as the periphery of the cutting tool is worn off to maintain a substantially constant cutting diameter.

2,272,406
PRINTING MECHANISM
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application October 13, 1937, Serial No. 168,715
10 Claims. (Cl. 101—157)

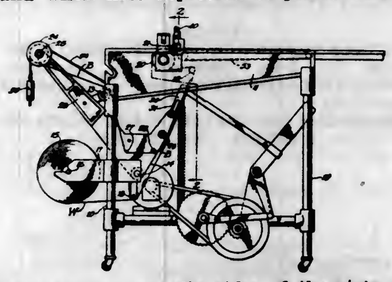


1. Apparatus for intaglio printing with a quick-drying ink, comprising an intaglio printing cylinder, means for directing a web to be printed in contact with said cylinder on the downwardly turning side of the latter, a color bath for said cylinder, a doctor blade for removing excess color from said cylinder, and an imperforate cover member for said cylinder positioned between said doctor blade and said web, said member being closely positioned about said printing cylinder.

7. A method of feeding a web through a multi-color printing press including a plurality of aligned and substantially horizontally disposed printing couples, which comprises feeding the web from a source of supply to a position above the first printing couple; passing said web substantially vertically downwardly through said printing couple; continuing the downward movement of the web and then leading it upwardly, with the printed surface free from contact with any other surface, to a position above the next adjacent printing couple; and feeding said web substantially vertically downwardly through such next printing couple.

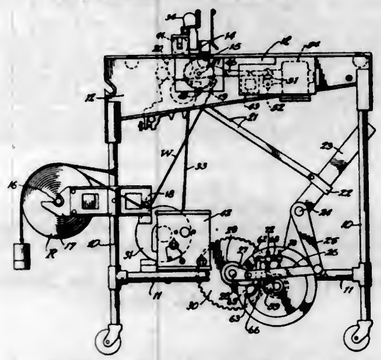
2,272,407
MACHINE FOR APPLYING STRIPS TO WRAPPERS
John A. Heckman, Chicago, Ill., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1940, Serial No. 366,060
11 Claims. (Cl. 93—1)

1. In a machine of the character described, the combination of means for clamping the marginal portion of a wrapper section having a tearing strip applied thereto, and a punch member provided with spaced piercing prongs positioned to straddle the tearing strip behind the edge thereof and when first depressed to pierce through



the wrapper on opposite sides of the strip, the end of the punch member intermediate the prongs being blunt and adapted by continuing depression to tear free the intervening portion of the wrapper without severing the strip and force the end of the strip through the opening thus produced in the form of a free tab.

2,272,408
SHEET FEEDING AND CUTTING MECHANISM
John A. Heckman, Chicago, Ill., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1940, Serial No. 368,877
8 Claims. (Cl. 164—49)



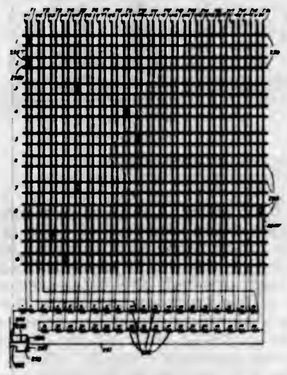
1. In a machine of the class described, the combination of web feeding devices adapted normally to advance a continuous web by predetermined lengths, cutting means for severing such lengths into substantially equal sections from the web, step-up feeding means for additionally advancing the web, said means including a ratchet and gear train leading to the normal web feeding devices, a lever carrying a dog adapted to engage said ratchet and means adapted to actuate said lever when it is free to coact with said means, a photo-electric cell positioned in proximity to the web surface and responsive to predetermined variations in light rays from the web, and means adapted to be actuated by variations in the current flow through the photo-electric cell for permitting said lever to move into coacting relationship with said lever actuating means to impart a step-up feeding movement through the dog and the ratchet and gear train to the web feeding devices, and means for limiting the time of initiating the coaction of said actuating means by the photo-electric cell to a fraction of the time involved in each normal feeding movement of the web, said means including a mercury switch normally open and a device for tilting said mercury switch to close the same momentarily during each cycle of movement of the web feeding mechanism.

2,272,409
HAIRPIN
Harold P. Johnson, Baltimore, Md., assignor of one-third to Thomas M. Kirby, Jr., Randallstown, and one-third to Gustav F. Sanderson, Arnold, Md.
Application September 23, 1941, Serial No. 412,047
11 Claims. (Cl. 132—52)



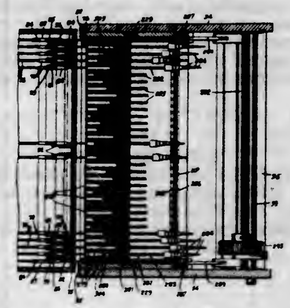
1. A hairpin comprising elongated tines having reduced ends defining an intermediate terminally divergent slit and shorter tines on opposite sides of said elongated tines defining therewith wider terminally diverging slits, said shorter tines having their free ends adapted for flexure out of the plane of said elongated tines.

2,272,410
EDUCATIONAL DEVICE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application June 21, 1938, Serial No. 214,922. Divided and this application November 7, 1940, Serial No. 364,653
6 Claims. (Cl. 235—61.6)



1. In a machine controlled by a record having a conductive line of variable length thereon, a plurality of sensing elements arranged in a row to concurrently contact the line on the record, the number of elements contacting the line depending upon the length thereof, a common conductor connected to the sensing elements through parallel connections, a source of current, said line serving to electrically connect said conductor to said source of current through a number of elements and through parallel connections in accordance with the length of the line, a plurality of branch circuit connections selectively connectable to said common conductor, means for effecting a connection between the same, a plurality of resistors wired in series, each branch connection being wired intermediate a different adjacent pair of said series of resistors, an indicating meter responsive to current values, connected in series with the other side of said source of current and said series of resistors, whereby said meter is connected to each branch connection through a different number of resistors, and a circuit is completed from the sensed line through the related number of sensing elements in parallel, the selected branch connection and the related number of resistors to the meter.

2,272,411
EDUCATIONAL DEVICE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application June 21, 1938, Serial No. 214,922. Divided and this application November 7, 1940, Serial No. 364,654
6 Claims. (Cl. 235—61.6)



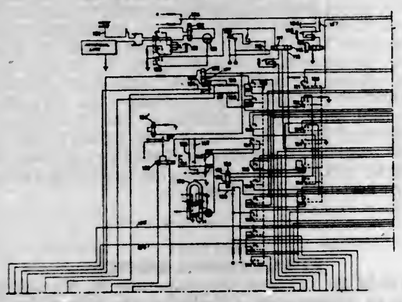
1. In a machine of the class described, a plurality of devices arranged in rows and columns for sensing marks in similarly arranged positions on a record sheet, each sensing device sensing a differently located mark, a current responsive meter, a source of current, a plurality of conducting bars arranged in rows and columns, with the bars of each column in a common plane, each bar being electrically connected to one of said devices, each device upon sensing a mark connecting its conducting bar to one side of said source of current, a plurality of different valued transverse conducting bars for each column of said first named bars, lying in a common plane spaced from the plane of the related column, all bars of like value being electrically connected, a plurality of fixed resistors wired in series and connected to the opposite side of said source through said meter, there being a resistor for each different valued transverse bar and each different transverse bar being electrically connected to a point adjacent to a different resistor, and settable connecting elements individual to each sensing device positionable to connect the related first named conducting bars to any of the related transverse bars whereby all the sensing devices are connected in circuit with said meter, each through a different connection of predetermined resistance.

2,272,412

MULTIPLEX DROP CHANNEL REPEATER

Mark B. Kerr, Rosebank, Staten Island, N. Y., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York

Application October 4, 1938, Serial No. 233,169
10 Claims. (Cl. 178—52)



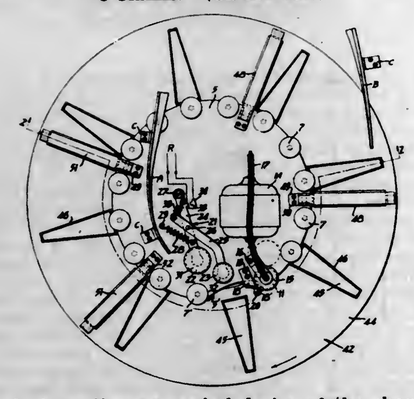
1. A multiplex repeater for use between two line sections, comprising a multi-channel receiving distributor, an equal multi-channel transmitting distributor, said distributors being operated in synchronism, signal receiving and signal transmitting means at said repeater, and switching means for operatively associating at least one of said channels of said receiving distributor with a selected one of said signal receiving means, and for operatively associating a corresponding one of said signal transmitting means with a corresponding channel of said transmitting distributor.

2,272,413

REWIND DEVICE

Julian A. Links and Jerome P. Herst, San Francisco, Calif., assignors of one-half to Max Jay Hirsch, San Francisco, Calif.

Application September 7, 1940, Serial No. 355,786
8 Claims. (Cl. 88—18.7)



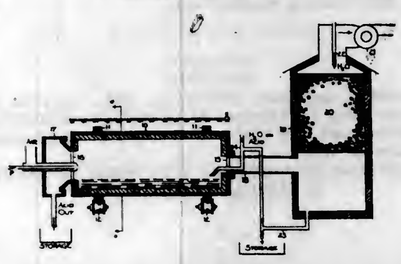
1. A continuous rewind device of the character described, for an endless film in the form of a centrally open, generally annular coil having a loop of the film extended from the inner and outer convolutions of said coil, respectively, a plurality of rollers supporting said coil on its side for revolving about its central axis on said rollers, means positioning said coil on said rollers, means for revolving said rollers bodily about said axis, and means for revolving said coil on said rollers about said axis.

2,272,414

PRODUCTION OF ACIDS OF PHOSPHORUS

Campbell Rogers McCullough, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware

Application February 10, 1939, Serial No. 255,574
7 Claims. (Cl. 23—165)



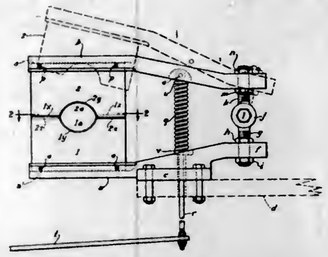
1. The method of producing acids of phosphorus which comprises providing a layer of acid upon the interior of the metallic shell of a rotating drum furnace, supplying to said furnace water together with hot combustion products resulting from the reaction of phosphorus with air, simultaneously applying a cooling fluid to the exterior of said furnace shell and thereby cooling the acid in contact with said shell, said combustion products of phosphorus having a concentration of reaction products exceeding the partial pressure of said reaction products over said acid, and withdrawing said acid from said furnace.

2,272,415

PITTER

Arthur B. McLauchlan, Salem, Oreg.

Application July 30, 1940, Serial No. 348,379
8 Claims. (Cl. 146—28)



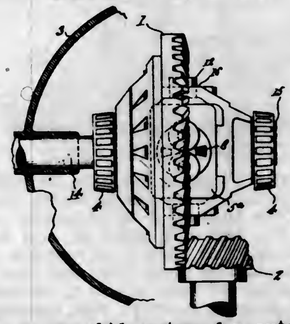
1. In a fruit pitter, a pair of jaw members, a fruit splitting blade attached to each jaw member, means for bringing said splitting blades together, a portion the size of which is made slightly larger than one-half the cross-sectional area of the pit of the fruit cut out from the cutting edge of each blade, said portions being centrally located, the edges of both blades adjacent said cut out portions being slightly offset, whereby said blades will overlap each other at opposite sides when said blades are being pressed into contact with an interposed fruit pit, said overlapping preventing any deflection of said blades, an incision made in each blade in said cut out portion, the edges of each blade adjacent said incision being bent slightly in opposite directions whereby to straddle any sharp rim of the pit.

2,272,416

NONSKID REAR SYSTEM FOR AUTOMOBILES

Vincen P. McVoy, Mobile, Ala.

Application February 7, 1941, Serial No. 377,929
5 Claims. (Cl. 74—315)



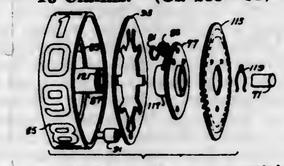
1. In a non-skid system for automobiles in which axle gears mesh with differential pinions mounted on a rotary pin in a lubricant-containing housing, a sectional enclosure comprising a central block and an external shell carried thereby, said block so related to the gears and pinions as to substantially fill the included space between said gears and pinions, the sections of said block having part-cylindrical portions to closely fit about and form a bearing for the central portion of said pin, said block having substantially circular end portions for fitting against the inner ends of the pinions and closing the inner ends of the inter-teeth spaces thereof, said block also having substantially circular side portions for fitting against the inner ends of the gears and closing the inner ends of the inter-teeth spaces thereof, said block also having other walls lying along the outer edges of the teeth of the pinions and gears to close the inter-teeth spaces thereof, said block having openings through said walls to supply grease from the housing directly to the inter-teeth spaces, said shell having a plurality of circular portions extending with a neat fit over the outer ends of the teeth and adjacent walls of both the pinions and gears and fitting with a neat fit thereabout, said circular portions intersecting and being continuous along the intermeshing portions of the teeth of the gears and pinions, said shell having openings within the circular portions thereof to permit of the exudation of lubricant back into the housing.

2,272,417

RESETTABLE REGISTER

Harvey E. Marvel, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana

Application February 28, 1938, Serial No. 192,932
13 Claims. (Cl. 235—61)



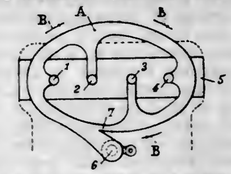
1. In a resettable register comprising a series of indicators having a zero position, means for driving the indicators from zero, the combination of means for resetting the indicators to zero independently of said driving means, comprising a rotatable shaft, means for connecting each of said indicators for resetting rotation by said shaft, a shutter movable between predetermined indicator obscuring and revealing positions, means normally urging said shutter toward obscuring position, latching means on said shutter, cooperating latching means on said shaft including an element fixed on said shaft and an element having a lost motion connection therewith and mounted freely on said shaft and means on said fixed element for disengaging the latching means upon anti-resetting rotation of said shaft, whereby said shutter will be moved to obscuring position and said shaft will be freed for resetting rotation, and means cooperating with said free element for limiting the anti-clockwise rotation of said shaft through the intermediary of said lost motion connection.

2,272,418

INTAKE MANIFOLD FOR EXPLOSION ENGINES, COMPRESSORS, PUMPS, AND THE LIKE

François Paul Méry, Marseilles, France

Application November 18, 1939, Serial No. 305,087
In France December 22, 1938
5 Claims. (Cl. 123—52)



1. An intake manifold for explosion engines, compressors, pumps and the like, which comprises an annular manifold pipe connected to the main intake fluid supply, and a separate inlet pipe for each cylinder, connected to said annular manifold pipe substantially transverse to that portion of the pipe to which each inlet pipe connects, and said inlet pipes being located outside the main annular axial line along which the intake fluid flows, whereby a stoppage of the flow of said fluid in the manifold when an inlet valve suddenly closes and the consequent uneven filling of the various cylinders are prevented.

2,272,419

BRUSH

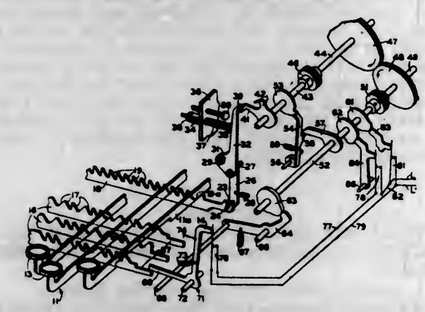
George L. N. Meyer, Milwaukee, Wis.

Application November 13, 1939, Serial No. 304,050
2 Claims. (Cl. 15—206)



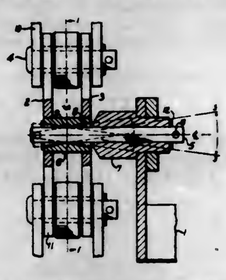
1. A brush of the character described comprising, an elongated metal base, bristles secured in said metal base, a tip of soft material fitting over one end of said metal base, a portion of said bristles extending over said tip, a single means securing said portion of bristles and said tip in place.

2,272,420
TELEGRAPH KEYBOARD APPARATUS
George F. Miller, Union, N. J., and Fred G. Nuxoll, Queens Village, and Samuel W. Rothermel, Lynbrook, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 30, 1940, Serial No. 348,514
11 Claims. (Cl. 178—79)



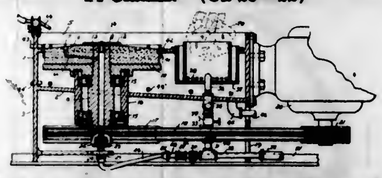
1. In a keyboard transmitting mechanism including a set of keylevers operative to transmit a single code group of impulses on the actuation, one at a time, of all but a predetermined one thereof, means operative on a single actuation of said predetermined keylever to transmit one or more code groups and means for transmitting on the actuation of said predetermined keylever one or more code groups corresponding to the code group transmitted on the actuation of the previously actuated keylever, said code groups when more than one being transmitted on the continued actuation of said predetermined keylever.

2,272,421
CONVEYER FOR ELEVATING AND TRANSPORTING DUTY
William J. Miller, Swissvale, Pa.
Application February 13, 1939, Serial No. 256,154
3 Claims. (Cl. 198—158)



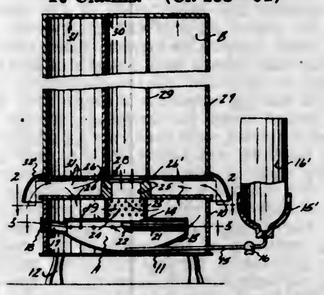
1. In a mold conveyer, a pair of spaced chains made up of articulated links, mold carriers supported by said chains, means for attaching said mold carriers to said chains including bushings carried by said chain links located midway between adjacent chain joints, a bushing attached to said carrier and held against angular displacement relative thereto, a trunnion pin demountably disposed in said bushings, said chain bushing having an internal central annular 360° edged portion on which the trunnion rests, there being clearance between the trunnion and the bushing from this zone outwardly, the other bushing having a straight bore therethrough in which the trunnion rests.

2,272,422
POTTERY TOPPING MACHINE
William J. Miller, Swissvale, Pa., and Lewis P. Reese, Scio, Ohio
Application October 7, 1940, Serial No. 360,050
14 Claims. (Cl. 25—22)



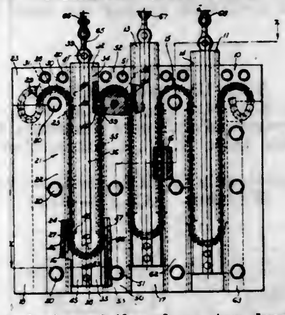
1. In a pottery topping machine, the combination of a revolvable topping wheel having a circular topping groove therein, a water supply conduit located on the axis of rotation of said wheel a plate also located on the axis of rotation of said wheel for conducting water from said pipe to the working surface of said wheel, a fountain for moistening sponges, a water pipe connected to said fountain, valves for controlling the volume of water supplied to said wheel and to said fountain and a common source of water supply for said fountain and said wheel, said valves being individually regulable.

2,272,423
BURNER
Richard S. Moore, Dallas, Tex., assignor, by mesne assignments, to Guiberson Oil Heater Company, Grand Prairie, Tex., a corporation of Texas
Application May 7, 1937, Serial No. 141,309
10 Claims. (Cl. 158—91)



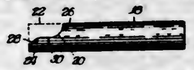
1. A burner including, a housing having a vaporizing chamber therein, means for supplying a liquid fuel to said chamber, a combustion chamber above the vaporizing chamber and communicating therewith, means for supplying sufficient air to the vaporizing chamber to permit burning of the liquid fuel upon the initial operation of the burner, means for restricting the supply of air to said vaporizing chamber when sufficient heat for vaporization of the liquid fuel is attained, whereby further combustion in the vaporizing chamber is impossible, means for introducing air circumferentially into the combustion chamber whereby said air admixes with the vapors therein to produce a combustible mixture therein, and means for directing an additional stream of air upwardly through the combustion chamber to assure sufficient air for a combustible mixture and also for creating a suction to draw the vapors from the vaporizing chamber and an air passageway leading into the upper portion of the combustion chamber so that a final supply of secondary air may be introduced into the burning vapors.

2,272,424
EQUALIZING DEVICE
Samuel J. Moran, Los Angeles, Calif., assignor to Sumner C. Bryant, trustee, Los Angeles, Calif.
Application August 27, 1940, Serial No. 354,348
7 Claims. (Cl. 187—1)



1. In a device of the character described, the combination of: retaining means having a continuous channel therein; a plurality of plungers slidably retained in said retaining means each adapted to be connected to a tension member, each of said plungers having a groove thereabout cooperating with a portion of said channel; and a plurality of ball bearings movably disposed in said channel in contiguous relation and engaging said grooves so as to receive the thrust from all of said plungers and equalize the tensions in said tension members.

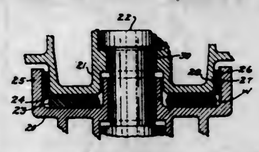
2,272,425
PROCESS FOR THE MANUFACTURE OF DREDGE BUCKET PINS AND OTHER SIMILAR ARTICLES OF MANUFACTURE
Arthur R. Nettenstrom, Clarendon Hills, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application January 2, 1940, Serial No. 311,986
4 Claims. (Cl. 29—148)



1. The process of producing an article of the character described having a substantially cylindrical main body part and a laterally disposed substantially rectangular shaped lug wherein the diameter of the said body part exceeds the thickness of said lug, comprising the steps of removing approximately a semi-cylindrical section from a billet of relatively massive metal stock to leave an approximately semi-cylindrical end section, heating said end section and adjacent stock, bending said end section angularly with respect to said stock while in said heated condition, and subjecting said end section to a die-forging operation to bend the same into substantially normal relation to said stock and to form said lug.

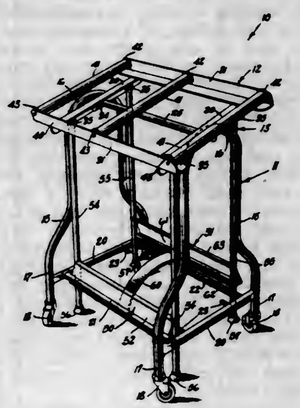
2,272,426
RAILWAY TRUCK STRUCTURE
Karl F. Nystrom, Milwaukee, Wis., Edmund S. Beckette, East St. Louis, Ill., and Vernon L. Green, Milwaukee, Wis.; said Beckette assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Original application October 31, 1938, Serial No. 237,820 now Patent No. 2,241,418, dated May 13, 1941. Divided and this application February 15, 1940, Serial No. 318,982
13 Claims. (Cl. 308—137)

2. In combination, a railway truck bolster center plate and a body bolster center plate nested therein, said center plates having opposing horizontal walls and opposing upright walls, there being a pad of rubber-like material between said horizontal walls and supporting the body load through said body center plate, and



there being a cushion of rubber-like material between said upright walls for absorbing lateral shocks between said center plates and arranged to distort upon relative rotation of said center plates to accommodate swivelling of the truck and body.

2,272,427
PACKING STAND
Gerald C. Paxton, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 22, 1941, Serial No. 384,771
7 Claims. (Cl. 248—140)



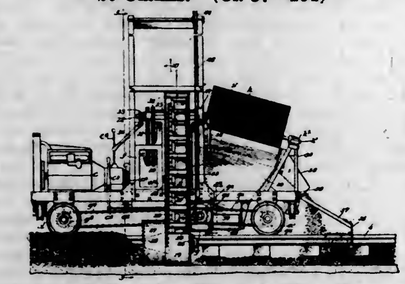
4. In a packing stand, the combination of: a frame including a pair of inverted U-shaped unitary end members, each of said members including a pair of legs connected at their upper ends by an arch, the upper portions of said legs being relatively close together and the lower portions thereof being spread outwardly; cross bar means connecting lower spread portions of said legs; a pivot bar centrally connecting said arches; an idle roller conveyor section pivotally mounted on said pivot bar, said conveyor section longitudinally overlapping opposite ends of said frame; casters provided on the lower ends of said legs; two foot-operated latch frames pivotally connected to said conveyor section and extending downwardly adjacent said upper leg portions, each one of said latch frames engaging the floor when said conveyor section is tilted in the direction of that particular latch frame when the latter is released to permit said tilting, said two latch frames being adapted to prevent rotation of said conveyor section on said pivot bar when said conveyor section is returned to level position; and means on said conveyor section for retaining a box in substantial alignment with said section.

2,272,428
HEATING SYSTEM
Bernhard S. Pedersen, Los Angeles, Calif., assignor to Ward Heater Co., Los Angeles, Calif., a corporation
Application October 7, 1940, Serial No. 359,998
6 Claims. (Cl. 237—70)



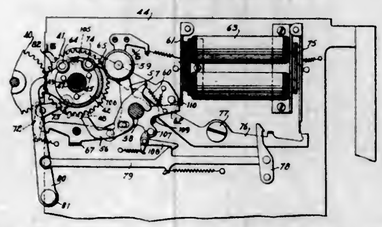
4. In a heating system, in combination with a room, floor and ceiling, of a heating pipe extending from one to the other and therethrough, means for connecting the lower end thereof with a flue for hot gases and products of combustion to be conveyed upwardly through said heating pipe for heating the same, said connecting means including an outer tubular guard member around said pipe and spaced therefrom and connected with a flue, spacer means between said guard member and said heating pipe, a composition filler therein between said pipe and guard, an inner coupling member in the lower end of said heating pipe and in the center of said flue, a floor flange on the floor around said heating pipe, a reflector member of C-shape around one side of said heating pipe to reflect heat out into the room, said reflector being seated at its lower end in said floor flange and spaced from said heating pipe, and a screen guard around the front of said heating pipe and connected at its edges with the edges of said reflector.

2,272,429
BALLAST CLEANING APPARATUS
Frank H. Philbrick, Evanston, Ill.
Application May 1, 1941, Serial No. 391,289
20 Claims. (Cl. 37—104)



1. In a ballast handling machine, the combination with a supporting structure adapted to travel on the rails of a track, of a power-driven endless chain and bucket elevator for the ballast, mounted on and at one side of the structure, and comprising a shaft at its lower end extending longitudinally of the track, a rotatable cylindrical shell coaxial with the shaft, for conducting the ballast at one side of the track, longitudinally of the shaft to the front side of the elevator, and means for driving the shell from the shaft.

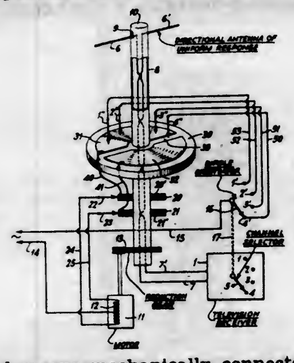
2,272,430
ACCOUNTING MACHINE
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 16, 1938, Serial No. 219,558
10 Claims. (Cl. 235—61.8)



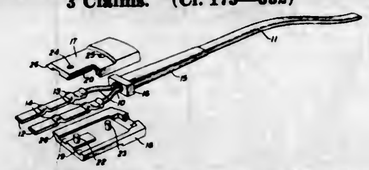
1. In an accumulating unit for an accounting machine, an accumulating wheel which is to be advanced to any of a plurality of rotative positions to represent different amounts, a continuously rotating driving element, said wheel and driving element being adapted for clutching engagement with each other during a cycle of rotation of said driving element, a magnet, a pair of separate armatures operated thereby, a clutch engaging device normally held by one of said armatures to cause, upon release, clutching engagement between the wheel and driving element, means operative during a predetermined period in the rotation of the driving element for preventing clutching engagement when said clutch engaging device is released upon a first energization of said magnet during said period and enabling clutching engagement at the end of said period, a releasing member normally held by the other of said armatures to cause, upon release, restoration of said clutch engaging device, a latch normally holding said releasing member against operation, means operative during said predetermined period for moving said latch out of engagement with said releasing member and means controlled by said clutch engaging device, when released during said predetermined period, for locking said latch in ineffective position whereby said other armature may subsequently effectively release said releasing member upon a second energization of said magnet to cause disengagement of said wheel and driving element.

2,272,431
DIRECTIONAL ANTENNA ORIENTATION CONTROL
John A. Rankin, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1939, Serial No. 279,641
2 Claims. (Cl. 250—11)

1. In combination with a television receiver provided with tuning mechanism for selecting reception from a desired one of a plurality of television transmitter stations, a directional antenna for collecting signals from such stations, electrical means operative independently of the received signals for automatically orientating said antenna to an optimum signal receiving position with respect to the selected television transmitter, and means mechanically connected to the station selecting mechanism for initiating operation of the electrical orientating means.



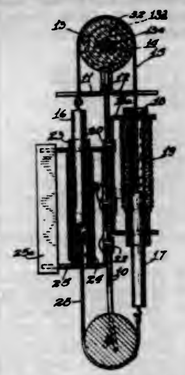
2,272,432
ELECTRICAL CONNECTOR
James M. Rogie, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1940, Serial No. 367,524
3 Claims. (Cl. 173—332)



2. In an electrical connector for flexible cords, a plug member including an insulating shell, metallic tubes threaded over the bared ends of the conductors of said cord and subjected to pressure to form flat contact members, each of said contact members being provided with a transverse projection crimped therein to fit into a corresponding slot in said shell portion and with a second crimped projection adapted to cooperate with a contact spring member associated therewith, the bared ends of said conductors being threaded through said tubes and anchored therein by said crimped portions.

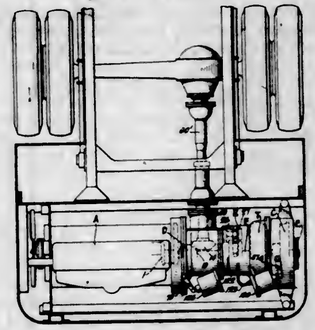
2,272,433
MOUNTING AND OPERATING MEANS FOR VARIABLE INDUCTANCE DEVICES
William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 26, 1940, Serial No. 358,464
24 Claims. (Cl. 171—242)

1. In a tuning unit, the combination of a central mounting plate of sheet metal extending longitudinally of said unit, an inductance coil mounted on each side of said plate and extending longitudinally of said unit, a ferromagnetic core associated with and movable longitudinally of each of said coils for inductance changing purposes, an operating roller mounted for rotary movement at one end portion of said plate, an idler roller mounted for rotary movement at the other end portion of said plate, a first flexible cable extending around said operating roller and having its ends connected respectively with first ends of said cores, and a second flexible cable extending around said idler roller and having its



ends connected respectively with the other ends of said cores, whereby turning said operating roller moves each of said cores relatively to the associated coil.

2,272,434
TURBODRIVE AND CONTROL
Hans Schjolin, Pontiac, Mich., assignor, by mesne assignments, to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application February 9, 1938, Serial No. 189,596
12 Claims. (Cl. 192—3.2)



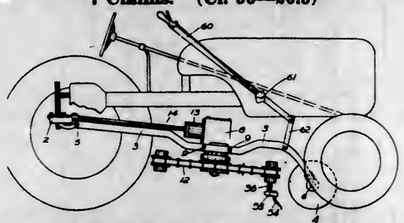
1. A servo system for controlling a torque converter drive assembly embodying clutching means having movable clutch elements and including two cylinders, two separate pistons movably disposed in said cylinders, arranged when actuated by servo fluid pressure to release drive from one clutch element of the torque converter assembly while shifting drive directly to a clutch element connected to a load shaft, a valve mechanism arranged to deliver fluid pressure to said pistons effective to cause by actuation of said pistons the establishing of direct drive by the second of said clutch elements and the release of drive through the torque converter by the first named of said clutch elements, and a control for said valve mechanism effective when in one position to cause the establishing of torque converter drive, and when in another position thereto to cause the establishing of direct drive.

2,272,435
SINGLE PHASE MOTOR
Jacob H. Schurch, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-half to Gertrude Couleur, Glendale, Calif.
Application December 2, 1939, Serial No. 307,282
1 Claim. (Cl. 172—278)



A self-starting single phase induction motor which comprises: a rotor; and a stator comprising a plurality of stacked laminations providing one or more pairs of concentrated pole members having pole face portions spaced a relatively small distance from said rotor and conforming generally to the surface contour of said rotor, the surface contour of said face portions being defined by the inner peripheries of said stacked laminations, a plurality of the laminations in at least one of said pole members being recessed outwardly from their inner peripheries throughout portions of their circumferential length, the circumferential length of the recesses being different in different ones of said laminations, and said laminations being so arranged that the pole face portion defined by the unrecessed inner peripheries of said laminations progressively increases in axial extent in a peripheral direction along the face of said pole.

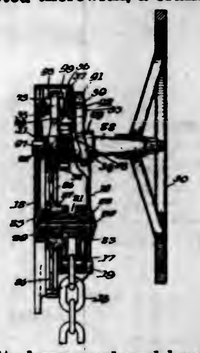
2,272,436
VINE CUTTER
Warren A. Seright, Muscatine, Iowa
Application April 28, 1941, Serial No. 390,798
7 Claims. (Cl. 56—26.5)



1. A vine-cutting attachment for a tractor comprising a frame pivotally connected to the tractor and having at its forward end rolling means to roll on the ground and support the frame adjustably with relation to the ground, a crossarm horizontally rotatably carried beneath said frame and having a vine-cutting tool connected thereto and extending downwardly therefrom into a position to engage vines on or near the surface of the ground and sever them from the parts thereof within the ground, and power means to rotate said crossarm about its axis of rotation.

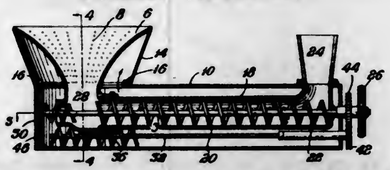
2,272,437
BRAKE MECHANISM
Henry C. Smith, Chicago, Ill., assignor to Superior Hand Brake Company, Chicago, Ill., a corporation of Illinois
Application March 31, 1939, Serial No. 265,067
13 Claims. (Cl. 74—505)

1. Operating means for railway car brakes comprising, a housing, a shaft in said housing, a hand wheel on the said shaft, cooperating holding and winding means having a ratchet wheel connected therewith, a crank shaft, a pawl



weighted at its lower end and having its ratchet engaging end extending laterally and upward therefrom suspended from said crank shaft, and a handle connected to said crank shaft.

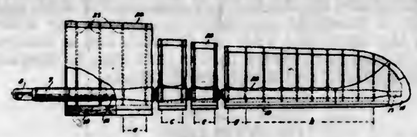
2,272,438
STOKER
Earl J. Sourber, Pottsville, Pa., assignor to Klein Stove Company, Philadelphia, Pa., a partnership
Application May 22, 1940, Serial No. 336,552
4 Claims. (Cl. 110—45)



1. A stoker comprising a perforated retort, a hopper, a feed tube interconnecting said hopper with said retort, a worm in said feed tube for propelling fuel from said hopper to said retort, a wind box enclosing at least the portion of said feed tube below said retort and adapted to deliver air upwardly through the perforations in said retort, therebeing an opening leading from the end of said feed tube into said wind box, a reverse worm operating in said opening for removing debris that falls into said wind box from said perforated retort and feeding such debris back into said retort, and an auxiliary worm disposed in said wind box below said retort, and outside of said feed tube, for propelling debris from areas of said wind box out of reach of said reverse thread worm towards said reverse thread worm.

2,272,439
AIRCRAFT SUSTAINING ROTOR BLADE
Paul H. Stanley, Huntingdon Valley, and Agnew E. Larsen, Jenkintown, Pa., assignors to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application December 16, 1939, Serial No. 309,586
14 Claims. (Cl. 244—18)

1. A blade for an aircraft sustaining rotor including as its primary longitudinal structural element a step-tapered elliptical spar, and means carried by the spar and defining the blade contour, said means providing a blade plan form substantially uniformly tapered throughout at least a major portion of the length of the blade, the major axis of the spar section lying substantially in the plane of the blade, and the longitudinal axis of the spar being out of parallelism



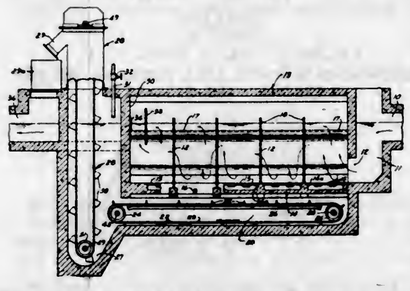
with the leading edge of the blade and spaced from the leading edge a distance in the neighborhood of one-quarter of the chord dimension at any blade section throughout the region of tapered plan form.

2,272,440
FORM ISSUING MACHINE
Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application September 8, 1939, Serial No. 293,997
8 Claims. (Cl. 164—42)



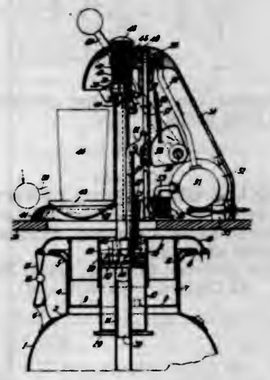
1. In combination with a form feeding device a cut-off structure comprising a knife arranged to cut off a form, means operated by other than the form feeding device for placing said knife under tension, and means controlled by the form feeding device for releasing the said knife at the close of a form feeding operation so as to permit its movement due to said tension thereby cutting off a form, said form feeding device including an enabling element and means for requiring operation of the knife tensioning means incident to operation of the enabling element.

2,272,441
COMBINED DEGREASING AND GRIT REMOVAL
Philip B. Streander, Maplewood, N. J., assignor to Underpinning & Foundation Co., Inc., New York, N. Y., a corporation of New York
Application July 25, 1938, Serial No. 221,142
5 Claims. (Cl. 210—3)



1. In a degreasing and grit removing unit, the combination of a tank decreasing in width towards its greatest depth, a grit channel at the bottom of said tank, air lift means for producing upward currents at the middle of the tank and downward currents at the sides thereof and effect scrubbing of the grit before downward passage thereof into the grit channel, means for supplying sewage at the influent end of the tank, means for discharging effluent from the other end of the tank, a conveyor for moving the grit along the channel and at the same time scrubbing and washing the same, a grit elevator receiving grit from said channel, and a housing separating the grit elevator from the interior of the tank except where it receives grit from the conveyor.

2,272,442
MILK DISPENSER
William Tamminga, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J., a corporation of New Jersey
Application March 20, 1940, Serial No. 324,938
16 Claims. (Cl. 221—67)

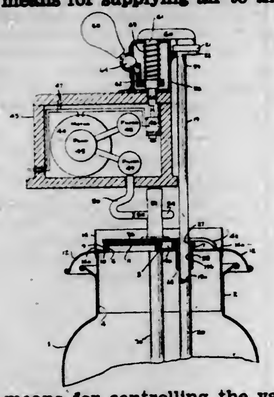


1. In an assembly of the character described a suitable fixed support, a milk delivery can arranged in upright position below said support and having therein a pump for pumping out of the can milk contained therein, said pump having a stem guided for vertical reciprocation, and a delivery tube telescoping into said stem and having at its upper end an outlet spout, in combination with a housing on the support above the can, means on the housing for gripping and locking thereto the upper end of the delivery tube when the same is elevated into engagement therewith, a member mounted to reciprocate in the housing, means for securing said member to the pump stem of the can, a rack on said member, a pinion meshing with said rack, and a handle for oscillating the pinion to raise and lower said member and the pump stem of the can for the purpose of elevating the contents of the can through said stem and delivery tube to discharge the liquid above said support.

2,272,443
MILK DISPENSING APPARATUS
William Tamminga, Bronx, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J., a corporation of New Jersey
Application May 24, 1940, Serial No. 336,912
14 Claims. (Cl. 221—77)

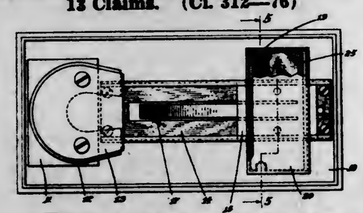
1. In an assembly of the character described, a milk can provided with a discharge tube having a valved outlet and said can also having a separate air inlet into the interior of the can and at all times submerged by the milk in the can, in combination with means for supplying air under pressure to the air inlet, means for controlling the valve of the discharge tube outlet, and an

operating member for simultaneously controlling both the means for supplying air to the air inlet



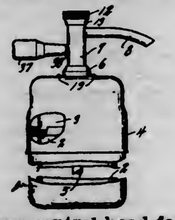
and the means for controlling the valve of the discharge tube outlet.

2,272,444
BLADE DISPENSING DEVICE
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 18, 1940, Serial No. 361,735
13 Claims. (Cl. 312—76)



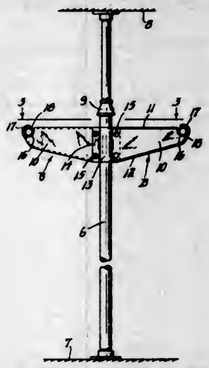
1. A dispensing device for safety razor blades or the like, comprising a base having a permament magnet mounted thereon, and a magazine for blades, the magazine being provided with a narrow blade-exit slot and being guided for movement on the base toward or from said magnet, whereby a blade in the magazine may be presented to said magnet and retained thereby when the magazine is retracted therefrom.

2,272,445
FLUID CHARGING HEAD
William B. Threm, Toledo, Ohio
Application March 27, 1939, Serial No. 264,394
1 Claim. (Cl. 221—74)



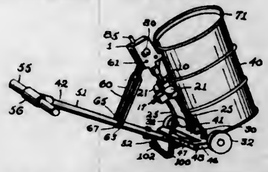
A fluid charger control head for a service container having a delivery spout, a control valve therefor, a chamber connection from said head, a charging branch adapted to respond to supplied pressure charge, said branch being connected to the head between the control valve and chamber connection, check valve means in said branch mountable as a unit and comprising a plunger, a guide for the plunger providing a seat and a disk carried by the plunger cooperating with said seat, a charging cartridge, a packing for sealing the cartridge with the branch, and a control for releasing pressure in the cartridge to operate said plunger and check valve means.

2,272,446
GARMENT RACK BRACKET
Allen Trask, St. Paul, Minn., assignor to Walter Haertel Products Company, Minneapolis, Minn., a corporation of Minnesota
Application September 30, 1940, Serial No. 359,069
2 Claims. (Cl. 248—251)



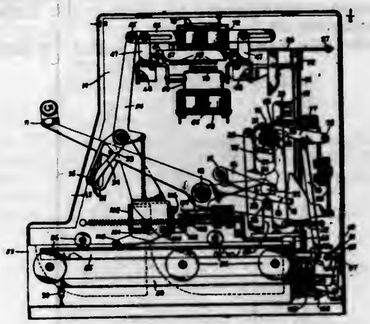
2. A bracket for garment racks comprising, a laterally extending arm comprising a substantially vertical web portion having means for attachment to a support, said arm having an outer end with a generally upwardly open notch formed therein to receive and support a rack bar, a portion of said web being of tongue-like formation and bent to lie in a plane substantially normal to the general plane of said web, said tongue portion defining a portion of said notch, and said tongue portion further being malleable to permit it to be bent about a rack bar receivable in said notch with said tongue lying substantially flush with said rack bar.

2,272,447
TRUCK
Charles E. Traxel, Rome, N. Y.
Application March 5, 1941, Serial No. 381,881
7 Claims. (Cl. 214—65.4)



1. In a truck, an engaging member comprising a casing, a jaw member pivotally mounted in said casing, another jaw member pivotally mounted in said casing and adopted to cooperate with said first named jaw member and said second named jaw member mounted on an eccentrically mounted pivot, whereby said jaw member can move longitudinally relative to said first named jaw member to grip an object.

2,272,448
CARD PUNCHING MACHINE
Edward J. Von Pein, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 26, 1939, Serial No. 296,548
11 Claims. (Cl. 164—113)



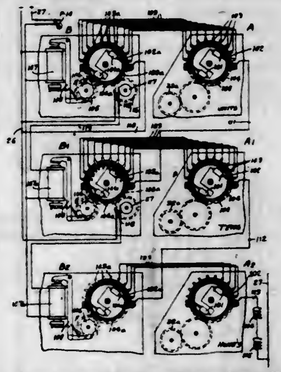
1. In a machine of the class described, the combination of a plurality of keys, differential mechanism actuated by said keys, punch selector setting means comprising slides differentially positioned by said differential mechanism and carrying punch selector setting means, a step by step positionable carriage carrying punch selector elements, means actuated by the operation of the keys and actuated after said slides have been differentially positioned to set selected punch selector elements, a drawer released by the operation of said keys for movement to a certain position, a punching mechanism including punches successively selected by said punch selector elements, and means set in operation by the movement of the drawer to said certain position for causing the step by step positioning of said carriage to cause the selected punch selector elements to successively select the punches to effect successive punching operations.

2,272,449
PLASTIC INJECTION MOLDING CARTRIDGE
George W. Wacker, Cincinnati, Ohio, assignor to The Grotelite Company, Bellevue, Ky., a corporation of Kentucky
Original application August 16, 1938, Serial No. 225,181. Divided and this application April 21, 1939, Serial No. 269,224
1 Claim. (Cl. 206—56)



A package comprising a cartridge containing a thermosetting molding material, said cartridge being indestructible when heated to a temperature at which the molding material can be injection molded, said cartridge comprising a casing of uniform cross-section having hermetically sealed ends, one of said ends being constructed and arranged to permit rupture thereof upon the application of injection pressure upon the opposite end to permit ejection of the molding material from the cartridge, said opposite end forming a plunger for forcing the contents through said rupturable end.

2,272,450
TABULATING MACHINE
Hermann Adalbert Weinlich, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 12, 1931, Serial No. 574,531
In Germany November 14, 1930
5 Claims. (Cl. 235—61.7)

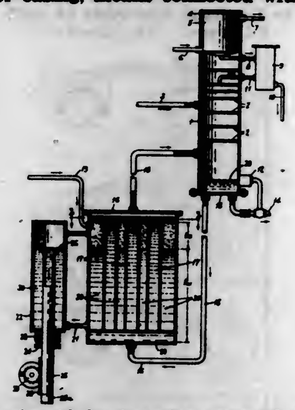


1. In a machine of the class described, accumulators, means for transferring data from one accumulator to another, means for analyzing record cards in succession, means for causing repeated operation of said transferring means, a pair of multidenominational amount receiving devices, each device having a plurality of denominationally ordered elements, entering means for the elements of one of said pair of devices, means controlled by the transferring means to cause said entering means to effect an entry upon each transferring operation, entering means for the elements of the other of said pair of devices controlled by said analyzing means to enter therein a multidenominational number from a record, means for comparing the settings of the elements of the pair of devices and means controlled by said comparing means for interrupting operation of the transferring means when all elements of one device correspond in setting to all elements of the other device.

2,272,451
REGULATING MEANS
Horace McCulloch Weir, Philadelphia, Pa., assignor, by mesne assignments, to Maschinen- und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany, a limited-liability company of Germany
Application February 23, 1939, Serial No. 257,785
In Germany February 28, 1938
1 Claim. (Cl. 202—160)

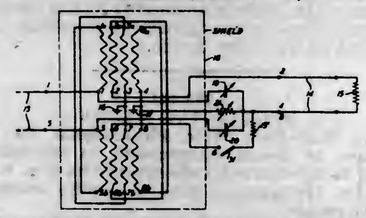
A device for regulating heat supplied to a distillation or rectification column, said device comprising, in combination with the distillation or rectification column, a heat exchanger having at least two separate heat transmitting chambers in juxtaposition and heat exchange relationship with each other, means connected with said heat exchanger and with the bottom of said column for introducing a distillation liquid from the bottom of said column into one of said chambers, means connected with said heat exchanger and said column for removing vapors of said distillation liquid from that chamber and into said column, means connected with the top portion of said heat exchanger for introducing steam in-

to the other chamber, a portion of the steam being condensed therein by heat exchange with said distillation liquid, a flow regulator casing, means connected with the bottom portion of said heat exchanger and said flow regulator casing for causing a flow of the condensate of said steam from said heat exchanger into said flow regulator casing, means connected with the top



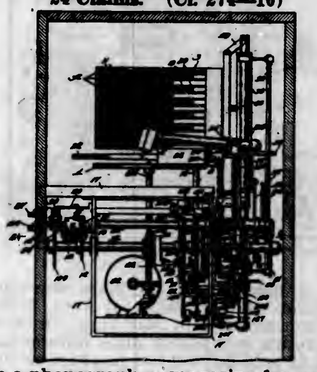
portion of said heat exchanger and said flow regulator casing to equalize steam pressures therein, a vertical pipe movable within said flow regulator casing for varying the level of the condensate of said steam in said flow regulator casing and said heat exchanger, said pipe precluding the passage of steam therethrough, and means connected with said pipe for moving the same to vary the effective heat exchange surface.

2,272,452
TRANSFORMER
Horace Whittle, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1941, Serial No. 392,566
4 Claims. (Cl. 178—44)



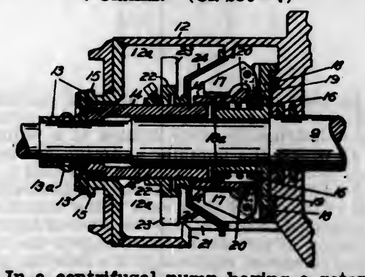
1. A two-winding transformer for coupling a first circuit that is balanced with respect to ground to a second circuit that is unbalance with respect to ground, said transformer comprising closely coupled sectionalized and interleaved windings with alternate sections wound in opposite directions and with the interwinding capacitances arranged to provide a substantial balance for preventing transmission of the longitudinal currents, said first circuit being connected to opposite terminals of one winding with its center point connected to ground, said second circuit being connected between one terminal of the other winding and ground, a resistance included in the grounded side of said second circuit and a pair of balancing condensers connected between respectively opposite terminals of said one winding and the ungrounded end of said resistance and forming with said resistance a balancing circuit for further balancing out the longitudinal current in the second circuit.

2,272,453
MULTISELECTION PHONOGRAPH
Russell I. Wilcox, Brookfield, Ill., assignor, by mesne assignments, to Herbert C. Johnson, Wilmette, Ill.
Application January 26, 1939, Serial No. 252,880
24 Claims. (Cl. 274—10)



3. In a phonograph, a magazine for supporting records one above another and independently of each other, record-grasping means movable up and down, a rotatable selector device comprising a vertical shaft near the magazine and having thereon a series of projections cooperating with said means to determine the height to which the latter may rise in any given cycle, a second rotatable selector device having thereon projections corresponding in number to the number of separate recordings that may be played from a full magazine, a driving connection between said selector devices, a series of movable stop pieces each movable from an idle position to a working position in the path of a projection on the second selector device, finger pieces for shifting said stops individually into their working positions, and means simultaneously to shift all of the stops that are in their working positions into their idle positions.

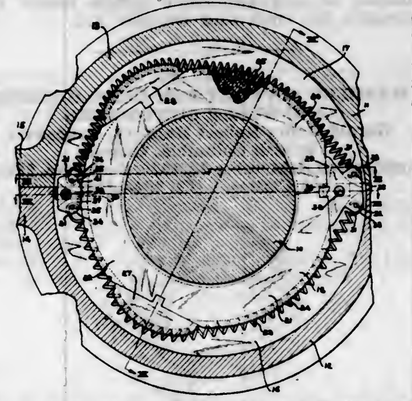
2,272,454
SEAL FOR CENTRIFUGAL PUMPS
Elmer R. Wilfley, Denver, Colo., assignor to A. R. Wilfley and Sons Inc., Denver, Colo., a corporation of Colorado
Application June 11, 1940, Serial No. 339,920
7 Claims. (Cl. 286—7)



1. In a centrifugal pump having a rotor case and a shaft extending thereinto, an improved automatic sealing mechanism for the shaft com-

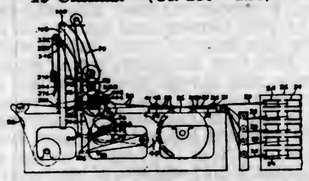
prising a rotary annular sealing element positioned around the shaft in sealed engagement therewith and having a radially extending flange that is axially movable by flexure with reference to said shaft, a stationary annular seat on the pump case positioned to cooperate with the flange of said sealing element, and means automatically actuated by rotation of said shaft and engaging the flange of said sealing element for pushing said flange away from the seat when the shaft rotates.

2,272,455
CARBON RING
Clyde W. Withington, Media, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1939, Serial No. 262,503
4 Claims. (Cl. 286—24)



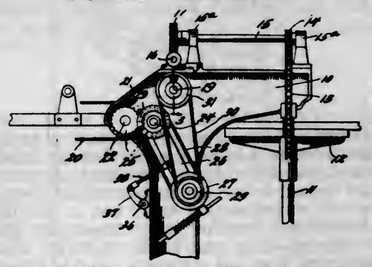
1. In a prime mover, a horizontal shaft, a casing surrounding a portion of said shaft in spaced relation thereto, a sectional sealing ring positioned in the space between the casing and shaft and closely embracing the latter, and means to counterbalance the weight of the sealing ring to provide uniform pressure between the ring and shaft throughout the area of their engagement, said means being comprised by a two-section garter spring having the ends of said sections connected and anchored to the casing adjacent the horizontal plane of the shaft axis, said sections having normal lengths such that the tension in the lower section exceeds that in the upper section by an amount sufficient to offset the gravitational force of the ring.

2,272,456
LOOM
Louis J. Zerbee, Bellefontaine, Ohio
Application July 24, 1939, Serial No. 287,493
19 Claims. (Cl. 139—127)



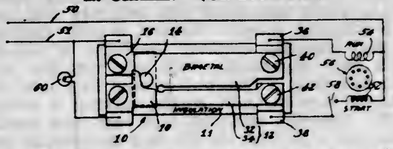
1. A weft wire operating unit for use in a loom for weaving metallic screen from wire, said operating unit including a beater having a frame mounted for fore and aft movement, a retrieving weft feeding device mounted on said beater frame so as to have a fore and aft movement therewith, said weft feeding device having a reciprocatory movement across all of the warp wires, actuating means for actuating the weft feeding device, means for causing the weft feeding device to engage the end of the weft wire, means for releasing the weft wire after it has been positioned, crimping means also mounted upon said beater frame, said crimping means crimping the weft wire as it is drawn by the weft feeding device into the shed, and severing means mounted upon the beater frame, said severing means severing the weft wire on the side opposite the shuttle when released.

2,272,457
SHEET FEEDER
Albert Broadmeyer, Norwalk, Conn., assignor to John McAdams & Sons, Incorporated, Norwalk, Conn.
Application June 25, 1940, Serial No. 342,354
2 Claims. (Cl. 271—12)



1. In a sheet feeder including a conveyor that comprises a power shaft and a plurality of conveyor tapes that extend around the shaft and to a point of delivery, and a rotary feeder for successively feeding sheets to the conveyor from the top of a stack; a driving pulley rotated by the power shaft of the conveyor, a driven pulley arranged to rotate the feeder, intermediate driven and driving pulleys belted respectively to said driving and driven pulleys, said intermediate pulleys being mounted for rotation on a common center that is movable eccentrically about one and concentrically about the other of the first named pulleys, one of the pulleys that are relatively eccentric being arranged to vary in effective diameter according to the tension of the belt that connects it with the other such pulley.

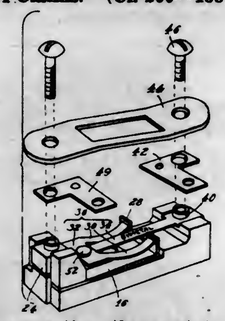
2,272,458
THERMOSTATIC CONTROL
Malcolm W. Eaton, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application February 2, 1939, Serial No. 254,140
12 Claims. (Cl. 200—138)



1. In combination in an apparatus of the character described, a U-shaped thin leaf spring of composite bimetal, the legs of the U

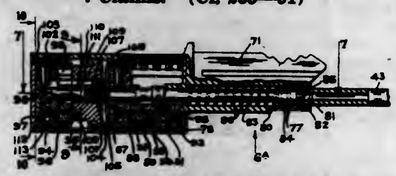
being substantially parallel to each other, and the legs being held in a strained relationship at the open end of the U to cause the spring as a whole normally to assume a strained position, whereby said spring snaps automatically from one stable position to another in response to changes in temperature.

2,272,459
THERMOSTATIC CONTROL
Malcolm W. Eaton, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application June 5, 1939, Serial No. 277,436
14 Claims. (Cl. 200—138)



1. In a snap acting thermostat, a U-shaped resilient frame, a bimetal strip directly connected to the closed end of the U, separate supports connected to said frame and strip at separated points to permit movement of the point at which they are connected together, the connection between said bimetal strip and resilient frame being so constructed that the connected parts thereof are constrained thereby to move together, one connection to said bimetal strip being rigid to permit bending moments to be imposed on said strip through said connection.

2,272,460
GASOLINE DISPENSING REGISTER
George S. Green, Cape Elizabeth, Maine
Application September 4, 1937, Serial No. 162,466
7 Claims. (Cl. 235—91)



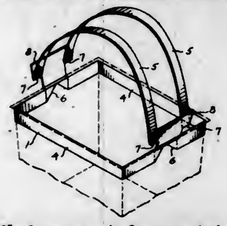
1. In a combined key and counter for use with a dispensing apparatus having a rotating part and a lock which is provided with a slidable barrel for receiving said key; a key adapted to enter said lock barrel and slide inwardly therewith, a casing connected with said key and having a quantity counter therein, a drive member for said quantity counter including a slidable clutch part engageable with said rotating part when said key is inserted in said lock and slid inwardly therein, said casing having a second counter therein, and pin and cam slot means connected with said clutch part to operate said second counter one unit each time said key is inserted in said lock and slid inwardly with said barrel.

2,272,461
SURFACE DECORATING MECHANISM
Edward William Hamant, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application December 8, 1939, Serial No. 308,194
5 Claims. (Cl. 101—154)



3. In a device of the character described, the combination of a pattern roll, a transfer roll, a base for supporting said rolls, conveyor means for conveying work to said transfer roll, vertically adjustable means supported by said base for supporting said conveyor means, and a pressure roll carried by said conveyor means for cooperating with said transfer roll, whereby actuation of said adjustable means spaces said pressure roll from said transfer roll.

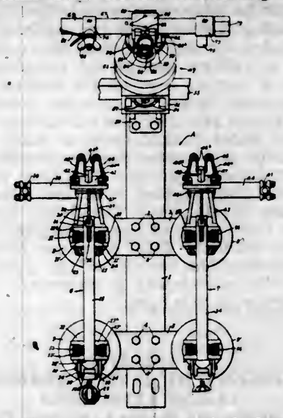
2,272,462
HANDLED SUPPORT FOR CUPS, GLASSES, AND OTHER CONTAINERS
Harold Henry Robert Hanford, Vancouver, British Columbia, Canada
Application September 23, 1939, Serial No. 296,258
3 Claims. (Cl. 294—27)



1. A handled support for containers such as paper cups and the like comprising an elongated strip of material having three substantially parallel longitudinal incisions extending intermediate its length to provide terminal portions, encircling portions and outer portions, said strip being creased to facilitate the encircling portions being spread apart to surround a container, and said outer portions being raised to form handles extending across the top of said container.

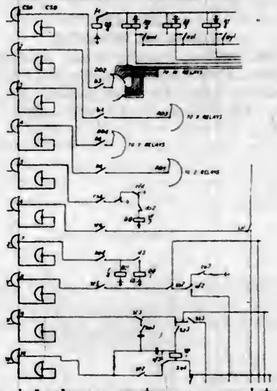
2,272,463
ELECTRICAL BY-PASS SWITCH
Walter A. Heinrich, Richmond Heights, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 13, 1940, Serial No. 334,697
15 Claims. (Cl. 200—114)

8. A by-pass switch comprising a switch structure which includes a movable by-pass element, a fuse cartridge comprising a hollow insulating structure, a carrier member pivotally supported by said by-pass element and adapted to receive a portion of said fuse cartridge and provide a support for said fuse cartridge, spring means associated with said carrier member which tends to maintain said carrier member in a predetermined position relative to said by-pass element, a pair of spaced contacts supported by said hollow insulating structure of the fuse cartridge, a second pair of contacts into and out of electrical contact with which the contacts of the fuse cartridge are movable to complete and interrupt a by-pass circuit, and a fusible element a part of which is disposed within said hollow insulating structure



connecting the contacts supported thereby, said fusible element being adapted to be ruptured by passage of abnormal current therethrough.

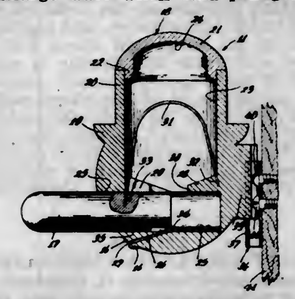
2,272,464
TELEPHONE SYSTEM
Bernard Anthony Hensler, South Woodford, London, England, assignor to Siemens Bros. & Company Ltd., a British company
Application November 18, 1939, Serial No. 305,146
In Great Britain November 18, 1938
12 Claims. (Cl. 179—18)



1. In a telephone system, a register sender, means in said register sender for transmitting impulses of direct current, means in said register sender for transmitting impulses of voice frequency current, and means in said register sender for determining whether said direct current impulses or said voice frequency current impulses shall be transmitted.

2,272,465
DISPENSING DEVICE
Robert L. Horstman, Lakewood, Ohio
Application August 13, 1940, Serial No. 352,452
7 Claims. (Cl. 221—102)

1. In a liquid dispensing device, a plunger chamber, a discharge duct leading from said chamber to the outside of said device, a plunger reciprocable in said chamber from a non-dispensing position to a dispensing position wherein it is reciprocated inwardly of the chamber to force out trapped liquid, said plunger being provided at its inner end with a longitudinally extending channel which is out of registry with said discharge duct when said plunger is in a

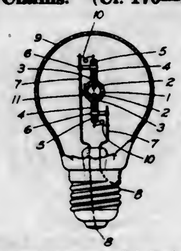


non-dispensing position the same being in registry with said duct when said plunger is reciprocated to its dispensing position, thus forcing liquid trapped in said chamber at the end of said plunger longitudinally along said plunger channel and out said discharge duct.

2,272,466
PRODUCTION OF WAXLIKE SUBSTANCES
Hans Georg Hummel, Mannheim, and Michael Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1938, Serial No. 238,618. In Germany November 22, 1937
12 Claims. (Cl. 260—404)

12. A wax-like condensation product from a cyclic dicarboxylic acid from which an anhydride can be formed only by the combination of two molecules of acid, an aliphatic carboxylic acid selected from the class consisting of aliphatic mono- and dicarboxylic acids, and a mixture of an aliphatic amine having at least one alkyl radical containing at least 8 carbon atoms and an aliphatic polyamine each of the said amines containing at least one hydrogen atom attached to nitrogen.

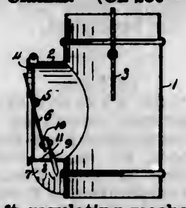
2,272,467
ELECTRIC HIGH PRESSURE DISCHARGE LAMP
Josef Kern and Hermann Krefft, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York
Application September 7, 1939, Serial No. 293,850
In Germany September 10, 1938
2 Claims. (Cl. 176—122)



1. An improved lamp which is capable of operating without series ballast and comprising the

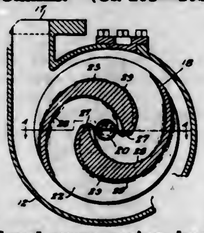
combination of a translucent substantially spherical vessel of high melting point material and of internal diameter less than 15 millimeters, spaced solid electrodes in said vessel and less than 5 millimeters apart, mercury in the vessel in such amount as to be completely vaporized at an operating pressure on the order of one hundred and thirty atmospheres, and a power source connected to the lamp, said source having a potential of such value that energy is supplied in excess of 25 watts for each square centimeter of internal surface area of the vessel and also in excess of 300 watts for each centimeter of the length of the discharge between the electrodes, whereby the lamp operates with an internal pressure in excess of 50 atmospheres and exhibits a sharply rising current-voltage characteristic.

2,272,468
DRAFT REGULATING MECHANISM
Henry Lange and Frederick G. Suchland, Quincy, Ill., assignors, by mesne assignments, to Walker Manufacturing and Sales Corporation, St. Joseph, Mo., a corporation of Missouri
Application December 19, 1938, Serial No. 246,664
7 Claims. (Cl. 236—45)



7. In a draft regulating mechanism, the combination with a furnace draft flue having an air relief opening, a damper supporting means mounted at said opening, a draft responsive damper pivotably mounted on said supporting means in said opening, a dial plate attached to said flue and having thereon designations in terms of draft, an indicator carried by said damper and cooperating with said dial plate to indicate the draft, and a manually adjustable damper mounted in said flue between said air relief opening and the discharge end of said flue, said manually adjustable damper being adjustable until said indicator registers with the desired draft designation on said dial plate, said draft responsive damper then operating to maintain said draft.

2,272,469
CENTRIFUGAL PUMP
William H. Lannert, Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1939, Serial No. 310,673
2 Claims. (Cl. 103—103)

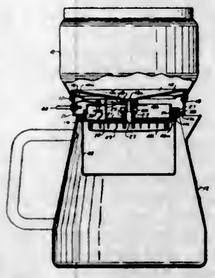


1. A centrifugal pump casing, having a suction inlet and an impeller rotating in the casing, said impeller being formed with an eye and with impeller blades, means to increase the velocity of liquids passing through the eye of the impeller and means to decrease the velocity of the liquid after passing through the eye, each of said impeller blades having a leading end adjacent the eye and a trailing end at the periphery of the impeller, a convex heel at its leading end and inner and outer faces that progress from the convex heel to the periphery on curvilinear lines, the inner and outer curved faces of each blade diverging from the convex heel to provide a thickened part beyond the heel and then converging toward the trailing end, with the inner face of each blade substantially paralleling the convex heel and outer face of the thickened portion of the other blade to form passages between the blades whereby the velocity of the liquid passing through the passageway is increased across the path of travel of the heel.

2,272,470
STABILIZED HIGH FILM STRENGTH LUBRICATING OILS
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors to Continental Oil Company, a corporation of Delaware
No Drawing. Original application February 19, 1936, Serial No. 64,706. Divided and this application November 24, 1939, Serial No. 305,940
7 Claims. (Cl. 252—54)

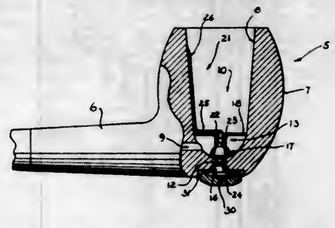
1. A composition of matter comprising in combination a lubricating oil, a small quantity of a chlorine containing carbon compound and from .001 of 1 percent to 1 percent by weight of a hydrogenated derivative of naphthalene.

2,272,471
COFFEE MAKER
Earl M. Miller, Euclid, Ohio, assignor to Max Freedman, Cleveland, Ohio
Application April 11, 1940, Serial No. 329,137
14 Claims. (Cl. 219—44)



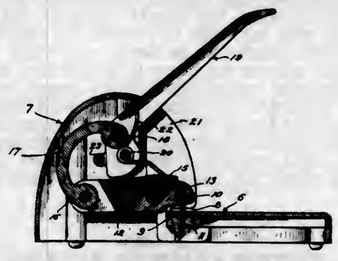
12. In a coffee maker, the combination of a receptacle, a heater supporting said receptacle, said heater having ribs projecting from the bottom surface thereof, a shallow pan into which said ribs project, said receptacle and said heater being provided with an opening leading to said pan, and a container disposed below said pan whereby overflow from said pan is caught in said container.

2,272,472
PIPE ATTACHMENT
Norbert P. Ney, Milwaukee, Wis.
Application January 27, 1940, Serial No. 315,967
1 Claim. (Cl. 131—184)



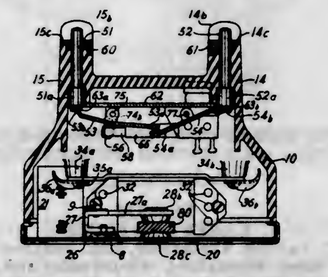
In combination with a pipe having a bored bowl: a flat topped grate disposed crosswise in the bore and of a size to occupy substantially the full diameter of the bore at a point adjacent to but spaced from the bottom of the bore, said grate having a plurality of holes therein so disposed as to be adjacent to the wall of the bore, and providing for communication between the portions of the bore at each side of the grate; means readily removably securing the grate in the bore including, a hollow shouldered stem projecting centrally from the underside of the grate through a small opening provided in the bottom wall of the bowl, and a nut threaded on the exterior of the stem to clamp the wall of the bowl between said shoulder and the nut; a stripper journalled in said hollow stem for rotation on the longitudinal axis of the bore, said stripper having an arm disposed radially to and overlying the flat top of the grate, and an upstanding portion connected to the outer end of the arm adjacent to the wall of the bore and extending lengthwise of the wall of the bore in contiguous relationship therewith; and readily detachable means secured to the stripper exteriorally of the bowl providing for rotating the stripper for movement of its arm across the flat top of the grate and for movement of its upstanding portion along the wall of the bore, said detachable means serving to removably hold the stripper in position in the bowl, and concealing said nut at the exterior of the bowl.

2,272,473
PAPER FASTENING MACHINE
Norman S. Noll, Los Angeles, Calif.
Application May 4, 1940, Serial No. 333,349
12 Claims. (Cl. 93—1.1)



1. In a paper fastening machine: a body, a paper crimping die fixed on said body so that sheets of paper to be fastened together may be laid thereover, a lever pivoted between its ends on said body, another crimping die mounted on the lever for movement therewith into and out of paper crimping relation to the fixed die, an operating handle pivoted on said body, a spring metal link connected at its ends with said lever and handle for rocking the lever on movement of the handle, and a link engaging portion on said handle for engaging and flexing said link whereby the lever carried die will yieldably contact the fixed die.

2,272,474
TELEPHONE SUBSTATION APPARATUS
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 22, 1938, Serial No. 220,735
1 Claim. (Cl. 179—164)

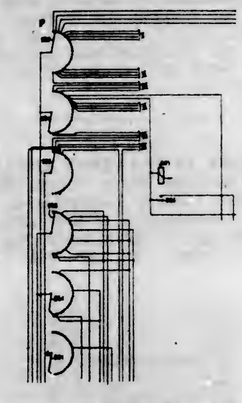


A mounting for a hand telephone comprising a base provided with a cradle adapted to receive and support the hand telephone, first and second laterally spaced-apart plungers extending through said base and associated with said cradle, each of said plungers being independently operable in response to removal of the hand telephone from said cradle and to replacement of the hand telephone upon said cradle, a bracket mounted within said base, first and second laterally extending and aligned levers arranged within said base and mounted upon said bracket for pivotal movement about two laterally spaced-apart and longitudinally extending axes, each of said levers being mounted intermediate its ends upon said bracket, the outer ends of said first and second levers respectively cooperating with said first and second plungers, whereby said first and second levers are respectively operative in response to operation of said first and second plungers, the inner end of said first lever overlying the inner end of said second lever, whereby said first lever is operative independently of said second lever and also in response to operation of said second lever, a contact set arranged within said base and carried by said bracket, and means including an operative connection between said first lever and said contact set for governing the circuit controlling positions of said contact set.

2,272,475
TELEPHONE SYSTEM
John Ellis Ostline, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 12, 1939, Serial No. 278,729
In Great Britain June 14, 1938
21 Claims. (Cl. 179—7.1)

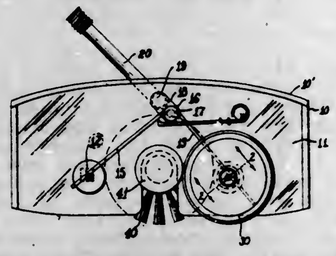
10. In a telephone system, a register, means for collecting certain items of record information pertaining to a telephone connection including the identification of the calling line involved in the connection and for storing the collected items in said register, and means for recording

in spaces provided on a preformed ticket individual to the connection the items stored in said



register, whereby each item is recorded in a corresponding space provided therefor on the ticket.

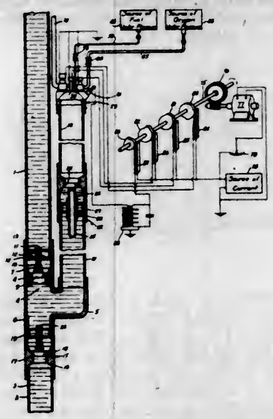
2,272,476
CARPET SWEEPER
Carl C. Parrish, Shelbyville, Ind., assignor to Porter Steel Specialties, Shelbyville, Ind., a copartnership composed of Hester P. Fuller, George M. Parker, and Parrish Fuller
Application October 2, 1940, Serial No. 359,309
2 Claims. (Cl. 15—41)



1. In a carpet sweeper comprising a casing, a wheel axle having a transverse notch intermediate its length, a sleeve rotatable and axially slidable on the axle and having a transverse slot in one end intersecting the bore of the sleeve and registerable with the axle notch, a spring finger anchored on the casing and slidably projected through the axle notch and sleeve slot and retained by the sleeve against radial displacement from the axle notch, and means retaining the sleeve against outward axial displacement on the axle.

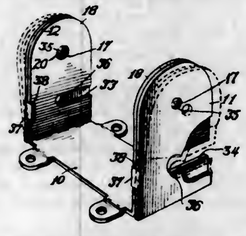
2,272,477
PUMP
George T. Pfleger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application August 26, 1938, Serial No. 226,921
3 Claims. (Cl. 103—249)

1. In combination, a conduit, means forming a branch from the conduit, thereby dividing the conduit into two portions where the branch occurs, a valve system ensuring that liquid may enter but one portion of the conduit, and that liquid may leave the branch only into the other portion of the conduit, means forming a combustion chamber in communication with said branch,



a float valve between the branch and the chamber, and means for igniting fuel in said chamber.

2,272,478
COUNTING DEVICE
Frederick A. Poole, Barrington, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois
Application December 10, 1938, Serial No. 244,983
6 Claims. (Cl. 235—1)



1. In a counting device, the combination of numeral indicating means comprising a shaft and a numeral wheel and a ratchet wheel associated therewith assembled on the shaft to provide a unitary structure, a supporting frame therefor comprising a base member having angularly disposed end portions spaced from each other a distance less than the length of said shaft and formed with openings to receive the ends of said shaft and adapted to be flexed outwardly to permit said unitary structure to be inserted laterally between said end portions of the frame, a second shaft mounted in openings in said end portions of the frame at a location intermediate the first mentioned shaft and the base portion of the frame, and operating means mounted on said second shaft for engagement with said ratchet wheel.

2,272,479
PICTURE FRAME OR THE LIKE
Harvey A. Prew, North Kingston, R. I., assignor to Pru-les-co Art Metal Co., Inc., a corporation of Rhode Island
Application July 30, 1940, Serial No. 348,330
1 Claim. (Cl. 40—152)

A generally rectangular picture frame or the like comprising a sheet of glass and a cardboard backing therefor, a frame comprising channel stock on the four sides thereof having spaced walls providing front and rear walls and with the extreme edge portions of said front walls having a bend therein extending towards the rear walls and providing a narrow glass-engaging surface, the narrow glass-engaging surface and the opposite walls of the channel stock engaging the outer surfaces of the glass and cardboard



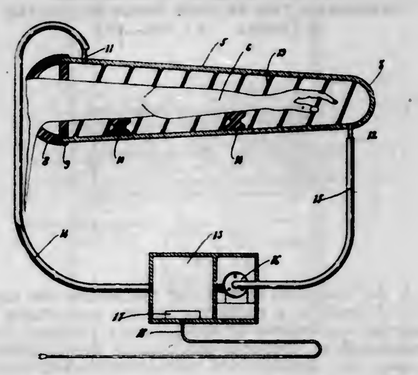
along the marginal edges of the top and two sides of the frame and the spaced walls of the bottom part of the frame being closer together than the other spaced walls and engaging only the opposite surfaces of the glass with one wall located between the glass and cardboard, the width of the opposite side walls of the frame being such as to block swinging of the glass from between them whereby the cardboard may be slid from position in the frame while the glass is retained therein.

2,272,480
ELECTRIC INSULATING MATERIAL
Frank H. Riddle, Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)
No Drawing. Application November 16, 1937, Serial No. 174,827
8 Claims. (Cl. 106—46)

1. An insulating body consisting of brucite with its natural impurities, said impurities being essentially CaO, Al_2O_3 and SiO_2 and together constituting about 5% of the body, and a mixture of beryl and titanium oxide constituting from 2% to 10% of the body, the beryl and titanium oxide in the mixture being in proportions not greater than three of one to one of the other.

2,272,481
TREATING AND MASSAGING PARTS OF THE BODY
Earl B. Rinkes, Canton, and Edward Meadow, Massillon, Ohio
Application October 10, 1938, Serial No. 234,116
1 Claim. (Cl. 128—66)

Apparatus for treating a part of the human body including a tube closed at one end for engirdling the body part, means at the open end of said tube for providing a seal around said body part, said tube being provided with an inlet at one end and an outlet at the other end thereof, a liquid reservoir communicating with said inlet and outlet, means for maintaining the tube full of liquid and circulating the liquid under constant pressure from the reservoir through said tube and back to the reservoir, and helical ribs on the interior of the tube and integral therewith for



imparting a helical motion to the liquid circulating therethrough.

2,272,482
COMPOSITION OF MATTER AND METHOD OF MAKING
Ernest D. Sackett, West Somerville, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
No Drawing. Application September 3, 1937, Serial No. 162,383
10 Claims. (Cl. 106—38)

1. Method of making shoe filler compositions, which comprises the steps of heating pine oil foots to expel the volatile matter therefrom, swelling unmilled rubber to a gelatinous condition with a volatile liquid hydrocarbon solvent, and mixing the resulting materials with comminuted body material, as a binder.

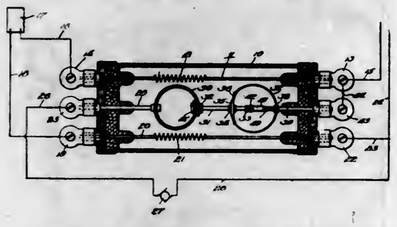
2,272,483
CORE OIL
Madison L. Sheely, Des Plaines, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 23, 1938, Serial No. 192,075
17 Claims. (Cl. 22—188)

1. A core oil, comprising a marine oil fatty acid composition containing at least 40 per cent C_{22} fatty acid radicals in a concentration substantially greater than in a normal fatty acid mixture of hydrolyzed marine oil.

2,272,484
THERAPEUTIC COMPOSITIONS
Robert S. Shelton, Mariemont, Ohio, assignor to Wm. S. Merrell Company, Reading, Ohio, a corporation of Delaware
No Drawing. Application October 14, 1938, Serial No. 234,895
8 Claims. (Cl. 260—408)

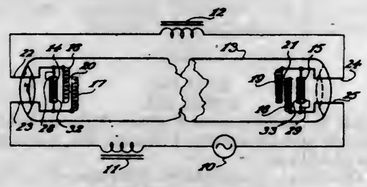
1. As new products, alkyl esters of fatty acids of non-drying vegetable oils organically combined with bromine and chlorine, the amount of combined chlorine not exceeding 10% of the amount of combined bromine.

2,272,485
RELAY
Lawrence J. Smith, Oak Park, Ill.
Application July 20, 1938, Serial No. 220,168
2 Claims. (Cl. 236—68)



2. An electrical system for regulating the supply of heat to a radiating means comprising a member responsive to temperature changes and positioned in operable relation to the radiating means, the temperature responsive means being closed only when demanding heat for the radiating means and open at all other times, and a relay having a resistance electrically connected to the temperature responsive means for effecting a voltage drop whereby the voltage applied to the temperature responsive member is low in comparison with the source voltage, a thermo-actuated element positioned to receive the heat from the resistance, and switch means actuated to closure by the heat element for controlling the passage of heat to the radiating means.

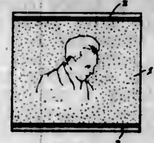
2,272,486
GASEOUS DISCHARGE DEVICE AND ELECTRODE ASSEMBLY FOR USE THEREIN
Closman P. Stocker, Lorain, Ohio, assignor, by direct and mesne assignments, to General Electric Company, a corporation of New York
Application April 10, 1939, Serial No. 266,971
11 Claims. (Cl. 176—122)



1. An electrode assembly for use in a gaseous electric discharge lamp, comprising in combination, a filament, an electron emitting sleeve covering said filament, and at least one auxiliary electrode coated with electron emitting material electrically connected to one side of said filament, said electron emitting sleeve being connected to the opposite side of said filament and being interposed between said filament and said auxiliary electrode.

2,272,487
MEANS FOR FACILITATING THE FOCUSING OF NEGATIVES
Lawrence E. Stone, Cleveland, Ohio
Application January 28, 1939, Serial No. 253,400
2 Claims. (Cl. 95—9)

1. A photographic medium bearing a series of sharply defined elongate designs along each of two parallel edges thereof, said designs being adapted for focusing purposes, whereby a negative, made from said medium, may be quickly



focused without the aid of auxiliary focus-facilitating devices.

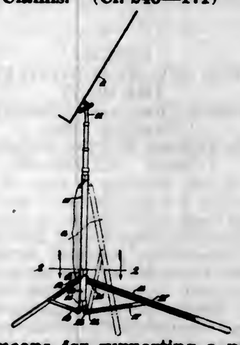
2,272,488
PROCESS FOR THE PRODUCTION OF ZEIN
Lloyd C. Swallen, Pekin, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1939, Serial No. 287,619
3 Claims. (Cl. 260—123)

1. Process of obtaining zein from corn gluten which comprises: extracting the zein with ethyl alcohol of a concentration of 92%–93%, by volume, to provide a zein solution containing oil and coloring matter; mixing with the solution a petroleum hydrocarbon having a boiling point between 40° C. and 120° C., both inclusive, and in an amount within the range of 30% and 40%, by volume, of the zein extract; and separating the resultant supernatant solvent mixture containing oil and coloring matter from the concentrated alcoholic zein solution.

2,272,489
NITROGENOUS CONDENSATION PRODUCTS AND A PROCESS OF PRODUCING SAME
Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 1, 1936, Serial No. 93,767. In Germany August 7, 1935
6 Claims. (Cl. 260—239)

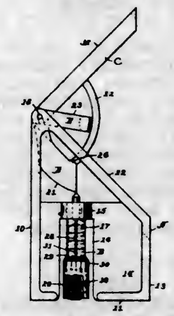
1. Nitrogenous condensation products from a non-crystalline product obtained by polymerization of an ethylene imine and an aliphatic halide containing at least 16 carbon atoms in the hydrocarbon chain.

2,272,490
TRIPOD
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, Hamilton, Ohio, trustees
Application May 14, 1940, Serial No. 335,097
5 Claims. (Cl. 248—171)



4. Tripod means for supporting a post, comprising; a runner slidably mounted on the post, a base element fixed to the bottom of the post, legs pivotally connected to and extending radially from the runner, links pivotally connecting the base element to intermediate portions of the legs, said links including portions extending inwardly beyond their pivotal connections to the base element, said extensions adapted to engage the lower end of the post and constituting stop means effective for stopping downward swinging movement of the links before they reach horizontal position.

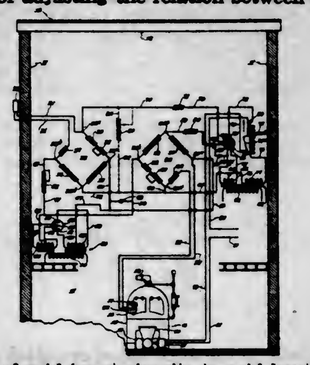
2,272,491
PROTRACTOR
Lawrence R. Wagner and Karl A. Olsen, Los Angeles, Calif.
Application July 8, 1940, Serial No. 344,410
9 Claims. (Cl. 33—75)



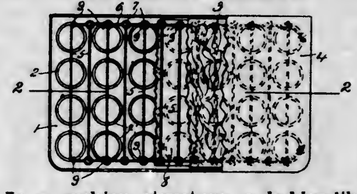
1. In an instrument for determining angularity, a frame, a variable degree member swung about a pivot upon said frame, a segment of predetermined length removably swung about said pivot, and a measuring means upon said frame having a screw actuated rectilinearly movable stem, and a cam swung about said pivot, having a cam surface against which said stem bears, said cam surface conforming with a spiral in which the radial distance of a point moving on the spiral from the center thereof increases regularly as said point moves, whereby the rectilinear movement of the micrometer shaft is converted in direct ratio into the rotary movement of said cam, said segment being interposed between said cam and said variable degree member and transmitting the motion of said cam to said variable degree member.

2,272,492
HEAT PRODUCTION CONTROL ARRANGEMENT
Frederick J. Weyher, Chicago, Ill., assignor to Kenneth C. Brown, Evanston, Ill.
Application November 21, 1938, Serial No. 241,545
7 Claims. (Cl. 236—91)

1. In a system for controlling the heat supplied to a heated structure from a source provided with temperature control means including an electric switch, the combination of an electron tube provided with an output circuit including means for controlling said switch and with a pair of input circuits, means including one bridge circuit for applying to one of said input circuits a potential which is responsive to the temperature of said heat source, means including another bridge circuit for applying to the other of said input circuits a potential which is responsive to a temperature outside said structure, and means for adjusting the relation between the responses of said input circuits to said heat source and outside temperatures.



2,272,493
CUSHION STRUCTURE
Harold E. Williams, Carthage, Mo.
Application April 29, 1938, Serial No. 205,039
3 Claims. (Cl. 5—354)

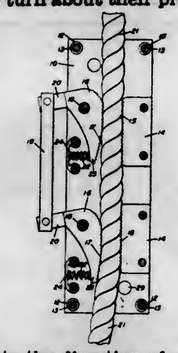


1. In a cushion structure, a ladder-like pad support comprising a longitudinal row of members having portions transverse to the row disposed spaced apart side by side in the same longitudinal plane and movable in said plane toward and from each other, each of said members having portions at the ends of its transverse portion extending transversely therefrom in the said plane to form two arms, said arms of said members being disposed lengthwise in two parallel rows transverse to said transverse portions, and means on said arms providing limited sliding holding engagement lengthwise with the adjacent arms of the adjacent ones of said members.

2,272,494
SAFETY DEVICE
Lawrence P. Winslow, Berkeley, Calif.; dedicated to the free use of the People in the territory of the United States
Application March 1, 1941, Serial No. 381,276
1 Claim. (Cl. 24—132)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A device of the character described comprising a pair of plates secured together in spaced relation, fixed abutments between said plates, spiral-like abutments, one for each fixed abutment, pivoted between said plates facing said fixed abutments so that movement of said spiral-like abutments about their pivots causes the distance between them and their corresponding fixed abutments to change, said spiral-like abutments having lever arms, a bar pivoted to said arms so as to constrain said pivoted abutments to operate simultaneously, and means between said plates,

including a spring, for urging said spiral-like abutments to turn about their pivots in the direc-



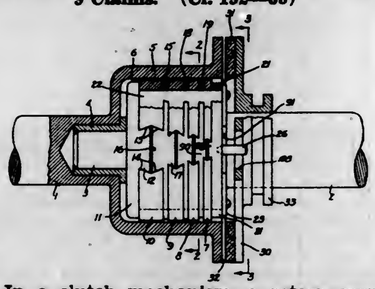
tion opposite to the direction of evolution of their spirals.

2,272,495

POWER TRANSMITTING SYSTEM

Stover C. Winger and Leslie K. Loehr, Los Angeles, Calif., assignors to Guy H. Hill, Los Angeles, Calif.

Application June 4, 1938, Serial No. 211,864
9 Claims. (Cl. 192—35)



2. In a clutch mechanism, a rotary member having an interior cylindrical surface, a series of bands, arranged coaxially of the surface, each of said bands being split, the ends of the band being spaced apart to form a gap, and each band also having a key, angularly spaced from the split, and adapted to engage in the gap of the adjacent band, a rotary member keyed into the gap of an end band, and a pilot clutch structure, including a disc operatively engaging the other end band, a disc keyed to the first mentioned rotary member, and spring means for urging said discs toward each other.

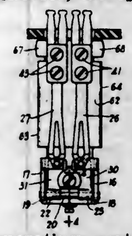
2,272,496

SWITCHING DEVICE

Fredric E. Wood, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 24, 1939, Serial No. 269,689
11 Claims. (Cl. 200—1)

1. In a switching device, a number of switch springs formed of flat metallic stock and disposed with their flat sides opposite each other in substantially parallel planes, each of said switch springs having a base end and a free end, means for providing each of said switch springs with a cantilever mounting at its base end and for insulating said switch springs from each other at their base ends, each of said switch springs being provided with two spaced-apart and independently flexible portions disposed adjacent the free end thereof, a plurality of contacts respectively carried by the flexible portions of said switch springs, the contacts respectively carried by the flexible portions of each of said switch springs respectively cooperating with the contacts respectively carried by the flexible portions of adjacent ones of the switch springs, at least one of said switch springs being provided with an operating portion at the free end thereof extending between the two flexible portions thereof, an operating member



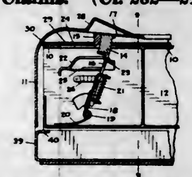
carried by the operating portion of said one switch spring substantially intermediate the two flexible portions thereof, and means cooperating with said operating member for bending said one switch spring, thereby to effect a change in the relative positions of the contacts respectively carried by the flexible portions of at least two adjacent ones of said switch springs, said member having a semibulbous operating surface in order to facilitate both lateral and longitudinal flexing of said one switch spring.

2,272,497

AUTOGRAPHIC REGISTER

William R. Wright, Lincoln, Nebr.

Application May 29, 1937, Serial No. 145,562
27 Claims. (Cl. 282—21)



12. In an autographic register having means for slidably supporting superposed strips of paper with aligning apertures, a pair of strip aligning members, means for supporting said members on opposite sides of said paper supporting means and for causing said members to enter from opposite sides an aperture of the strips of paper when said strips are drawn forwardly, the contacting surfaces of said members being so inclined that when a first of said members is moved toward the second of said members in the direction of travel of the strips of paper, the pressure of said first member will force said second member out of the plane of the paper strips and out of engagement with said first member whereby further movement of said first member will exert a forward pressure on the strips to shift the aperture of the strips out of alignment with said second member, means for imparting movement to said first member first in the direction of said second member to cause said first member to move said second member out of the plane of the paper strips and out of engagement with said first member and then in a direction transverse to said supporting means to cause said first member to move out of the plane of the strips of paper, means for preventing retrograde movement of said first member before said member has moved out of the plane of the paper strips, and means for automatically returning said first member to a position in contact with the under surface of the paper strips at a point in the rear of the aperture previously occupied by said aligning members.

2,272,498

PROCESS FOR PRODUCING COMPOUNDS OF THE DIARYL SERIES

Werner Zerweck, Karl Schütz, and Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 3, 1940, Serial No. 317,126. In Germany February 4, 1939
3 Claims. (Cl. 260—244)

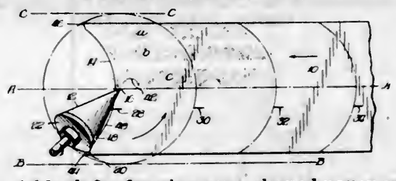
1. Process for producing compounds of the diaryl series, which consists in diazotizing a compound selected from the group consisting of diazotizable amines of the aromatic and heterocyclic series at temperatures ranging from room temperature to about 50° C. under substantially anhydrous conditions in an excess of a compound selected from the group consisting of compounds of the aromatic, pyridine and quinoline series containing a member of the group consisting of hydrogen, halogen, alkoxy-, nitro-, carboxy-, ketonic and sulfone groups, attached to the ring members.

2,272,499

PAPER CUP AND BLANK THEREFOR

Ralph G. Amberg, Libertyville, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois

Original application May 6, 1939, Serial No. 272,080. Divided and this application October 14, 1939, Serial No. 299,497
6 Claims. (Cl. 229—1.5)



1. A blank for forming cone-shaped paper cups having a pointed apex, comprising opposite curved sides of the same radius of curvature and two straight parallel sides intersecting said curved sides, one of said curved sides being convex and the other concave with the center of radius of curvature of the convex side within the blank and the concave side having a slit therein at a point between the apex point and one of the straight sides, said slit terminating in the body of the blank and being so directed that a reverse crease is formed in the body of the blank between the point of interior termination of the slit and the apex point when the blank is wound into a cup.

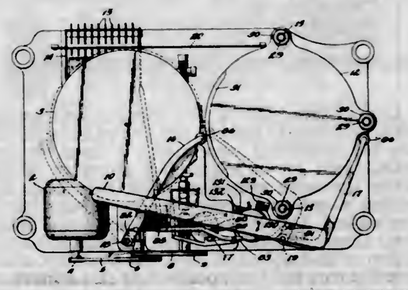
2,272,500

AUTOMATIC SELECTIVE RECORD CHANGER

Lloyd J. Andres, Chicago, Ill., and Theodore M. Wright, North Tonawanda, N. Y., assignors to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application January 28, 1938, Serial No. 187,500
3 Claims. (Cl. 274—10)

2. In a plurally selective automatic record player, a stationary rotatable turntable, a reproducer mounted above and swingable over said turntable, a record magazine adjacent to said turntable having spaced record supports and capable of predetermined reciprocal movement along the axis of records contained therein, driven means cooperatively related with said magazine for reciprocating said magazine through a predetermined distance, a rotatable motor driven gear, a shaft longitudinally movable within the bore of said gear and cooperatively related to



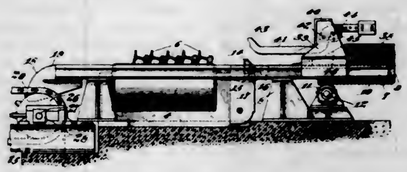
the said means, said shaft having both right and left-hand longitudinal helical grooves connecting each other at opposite ends to form a continuous groove along a predetermined portion of the length of said shaft, a swingable lug within the bore of said gear projecting into the helical groove on said shaft, and means on said shaft connected with the magazine for reciprocating the magazine through a predetermined course upon the uni-directional rotation of the said gear and longitudinal movement of the shaft.

2,272,501

MANIPULATOR FOR RAILS OR THE LIKE

Stewart W. Bauer, Harrisburg, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application September 1, 1938, Serial No. 227,871
14 Claims. (Cl. 198—33)



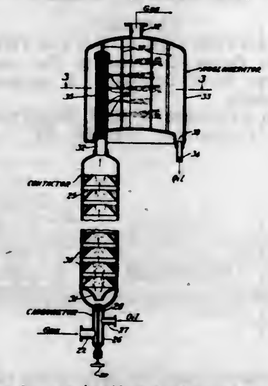
1. In a manipulator for rails or the like adapted to be transferred from a hot bed to a cooling box, comprising a roller work receiving table adapted to receive simultaneously a plurality of the rails on their sides from the hot bed, a conveyor adjacent to the roller work receiving table extending transversely thereof, a sliding bar mounted in slide ways extending transversely through the roller work receiving table, a pusher finger pivoted to the slide bar adapted to engage one of the rails to transfer the plurality of rails in succession during the forward stroke of the sliding bar onto the conveyor, and stationary means for automatically turning the plurality of rails in sequence approximately a quarter of a revolution on their axes during the transferring operation.

2,272,502
MANIPULATOR FOR RAILS OR THE LIKE
Stewart W. Bauer, Harrisburg, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Original application September 1, 1938, Serial No. 227,871. Divided and this application February 28, 1941, Serial No. 380,961
10 Claims. (Cl. 198—32)



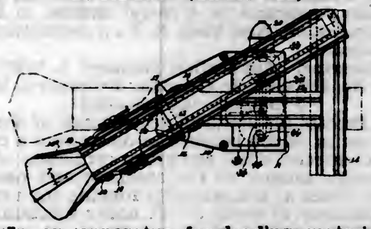
1. In a manipulator for turning and arranging a plurality of rails or the like in parallel relation for conveying, comprising a work receiving table, skids for supporting a plurality of rails above the work receiving table, said skids each having a concaved end portion, means for reciprocating the supporting skids, and pivoted arms adapted to engage a rail during the reciprocation of the skids and push the plurality of rails over the concaved end portions of the skids thereby turning the rails approximately ninety degrees on their axes and transferring them to the work receiving table.

2,272,503
CONTACTING DEVICE FOR HIGH PRESSURE ABSORPTION
George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 30, 1940, Serial No. 332,566
1 Claim. (Cl. 261—111)



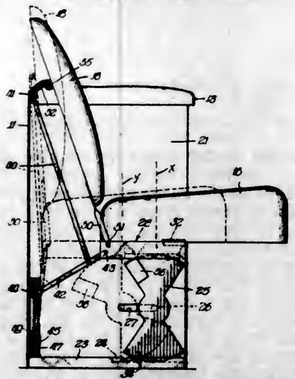
A device for contacting a gas concurrently with a liquid in mist form which comprises a vertically elongated contacting tower, inlet means for gas and liquid at the bottom of said tower, outlet means for gas and liquid at the top of said tower, a plurality of vertically spaced upwardly pointed annular baffles adjoined to said tower at their bottoms and adapted to form annular pools of liquid at various elevations in said tower, whereby drain back liquid is caught by said annular baffles and overflows at the top of said baffles in intimate contact with the ascending stream of gas and liquid mist passing from said inlet means to said outlet means, thus causing said drain back liquid to be resuspended in said stream, and a throat disposed below the lower most of said baffles and above said inlet means, whereby any drain back liquid from said lowermost baffle is redispersed in the gas and liquid mist stream flowing upward from said inlet means to said baffles.

2,272,504
LOADING APPARATUS
Roy S. Bigelow, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 4, 1940, Serial No. 355,281
14 Claims. (Cl. 198—14)



1. In an apparatus for loading material in mines, a base, a trough section mounted on said base for reciprocable movement with respect thereto, and an extensible trough section operatively connected with said reciprocating trough section and mounted for extensible and lateral swinging movement with respect to said reciprocating trough section and base and arranged to discharge material into said reciprocating trough section when in various positions of extension or lateral swinging movement with respect thereto.

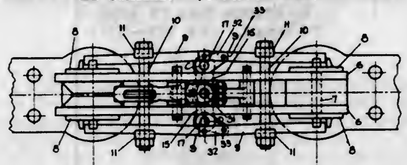
2,272,505
THEATER CHAIR
John Leo Biggs, Chicago, Ill., assignor of one-half to Leo Moss, Chicago, Ill.
Application May 25, 1939, Serial No. 275,590
7 Claims. (Cl. 155—116)



1. In a chair, a horizontally movable seat and a movable back associated therewith, a frame for said movable seat and back providing arm rests, a carriage to which said seat and back are both secured, supporting means for the carriage including linkage swingably connecting the rear of the carriage to the frame and rolling members of large diameter contacting the respective sides of the carriage at the forward end thereof and extending between the same and the floor, whereby said carriage may have movement in a substantially horizontal plane, means connecting

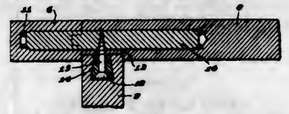
the upper portion of the back with the frame so that the back may have movement about a horizontal axis, and other means pivotally connecting the lower end of the back with the rear of said carriage.

2,272,506
SWITCH
Augustus Jesse Bowie, San Francisco, Calif.
Application January 3, 1939, Serial No. 249,055
14 Claims. (Cl. 200—162)



1. An electric switch including a base structure, a pair of contact members mounted in spaced relation thereon, a blade member mounted for movement on said base structure and adapted to engage said contact members to transfer electric current therebetween, means for moving said blade member to effect such engagement, and mechanism for applying pressure between the blade and contacts and associated with said blade moving means for operation thereby, said mechanism including a pair of resilient levers, means for deflecting said levers and adapted to act upon a portion thereof, each of said levers being adapted to apply pressure between the blade member and a contact member through a portion of such lever spaced from said first named portion, one of said levers being adapted for applying pressure between the blade and one of said contacts and the other of said levers being adapted for applying pressure between the blade and the other of said contacts, whereby pressure is resiliently applied between the blade member and each of the contact members.

2,272,507
FURNITURE
Harold C. Bullard, Nashua, N. H.
Application December 17, 1938, Serial No. 246,365
6 Claims. (Cl. 20—92)



2. In an article of furniture, the combination of two wood pieces abutting one against the other, a wood dowel connecting them, a third piece abutted against one of the first two, and means securing it to the latter including a screw threaded through a side of the latter and into said dowel.

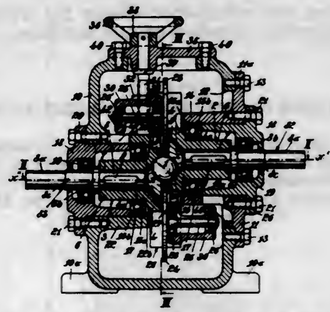
2,272,508
WINDOW SASH
Harold C. Bullard, Nashua, N. H.
Application March 1, 1939, Serial No. 259,177
4 Claims. (Cl. 20—56)

1. A window, sash, or sash door comprising members extending at right angles to each other and spaced to provide a rectangular opening adapted to receive a pane of glass, a pane of glass closing said opening, said members being rabbeted to provide a putty ledge surrounding said opening, and one of said members being grooved in the plane of said glass, said pane of glass hav-



ing an edge portion projecting into said groove and extending beyond the plane of the putty ledge on said member.

2,272,509
VARIABLE SPEED FRICTION GEAR POWER TRANSMISSION DEVICE
Friedrich Cavallo, Berlin, Germany
Application June 11, 1941, Serial No. 397,512
6 Claims. (Cl. 74—193)

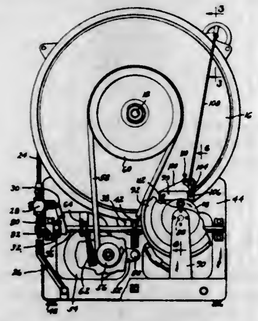


1. A variable speed friction gear power transmission device comprising a driving member and a driven member having each a dish-shaped frusto-conical surface, a ball shaped intermediate friction member inserted between said driving member and said driven member and being in contact with both of said dish-shaped surfaces, stationary housing means in which said driving member and said driven member are rotatably mounted, and rotatable means bodily displaceable in relation to said housing means and being in rolling engagement with said ball shaped intermediate friction member, said rotatable means being adapted to displace said ball shaped member along a pair of parallel generatrices of the said frusto-conical surfaces of said driving member and said driven member, so that the ratio of the movement transmitted by said friction gear device may be continually altered and adjusted at will between two limit values, the compressive force necessary to the transmission of a torque from said driving member onto said driven member being produced by an automatic wedging action varying in response to the magnitude of the transmitted torque.

2,272,510
CLEANING MACHINE
John W. Chamberlin, South Bend, Ind., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application September 26, 1938, Serial No. 231,652
5 Claims. (Cl. 74—1)

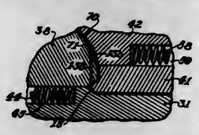
1. In a machine having driving means and adapted for sequential operation the combination comprising two drive members connected by a one-revolution clutch and one of which comprises a drive pulley and the other of which

has a reduction worm driven thereby, and a control shaft advanced slowly and intermittently by



the worm and which has means for governing the sequential operation of said machine.

2,272,511
METHOD OF MAKING LAVATORIES OR THE LIKE
Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 3, 1938, Serial No. 228,317
8 Claims. (Cl. 113—51)



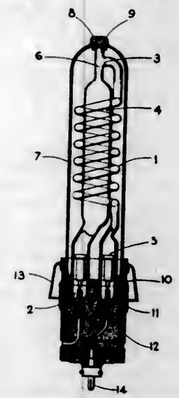
2. In a method of making basin containing articles, the steps of drawing a single metal sheet to provide a relatively deep basin therein having a bottom and an outward flange projecting from the upper edge of an upright side wall of said basin, and forcing said wall outwardly while holding said bottom and said flange and its place of juncture with said wall substantially immovable to provide a bead at said juncture projecting inwardly and overhanging said wall.

2,272,512
TERMINAL STRUCTURE FOR ELECTRIC LAMPS
Carl A. Cotman, Parma, and Daniel K. Wright, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application July 12, 1941, Serial No. 402,121
7 Claims. (Cl. 176—32)



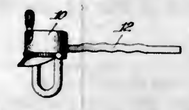
2. An electrical device comprising a sealed bulb having a pair of spaced metal thimbles mounted exteriorly of said bulb and an outwardly extending exhaust tube tip disposed substantially between the said metal thimbles, and a terminal structure for said device comprising a pair of metal strips secured one to each of said metal thimbles and extending towards each other so as to substantially overlie said exhaust tube tip and thereby form a protective shield therefor.

2,272,513
ELECTRIC LAMP
Fernand Courdil, Paris, France, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares, Etablissements Claude-Paz et Silva, Paris, France
Application May 11, 1939, Serial No. 273,094
In France May 19, 1938
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge lamp comprising an elongated container, electrodes sealed therein adjacent the ends thereof, a gaseous atmosphere therein, one part of said container being of larger diameter than another part thereof, both of said container parts surrounding the discharge path between said electrodes, said part of larger diameter constituting a gas reservoir for said lamp and serving as a support for said part of smaller diameter, said part of smaller diameter being helical in shape and surrounding said part of larger diameter, an axial extension on said part of larger diameter, said extension being of smaller diameter than said part of larger diameter, said container part of smaller diameter being joined to the midportion of said extension the projecting part of said extension being a support for said lamp.

2,272,514
ORNAMENT CLASP
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1941, Serial No. 373,662
10 Claims. (Cl. 132—48)



1. An ornamentation clasp, comprising an ornament body, a bridge carried by said body, and a resilient clip hairpin having a loop head adapted to receive the said bridge frictionally within the loop and having resilient legs normally inclined toward each other and extending beyond said bridge, said hairpin being shiftable along said bridge to spread said legs apart.

2,272,515
HARNESS FOR PIPE JOINTS
Alexander J. Deacon, Dormont, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 26, 1939, Serial No. 292,031
4 Claims. (Cl. 285—137)



1. A harness for couplings connecting the adjacent ends of a pair of pipe sections, comprising a lug secured in horizontal transverse alignment to opposite sides of the end portion of each pipe section adjacent to the coupling, each lug on the end portion of one pipe section being disposed in longitudinal alignment with a lug on the end portion of the adjacent pipe section, a concaved bearing surface at the outer end of each lug, a bolt extending over the coupling having screw-threaded ends connecting each of the longitudinally aligned pairs of lugs, a washer mounted upon each end of the bolt having a convex inner face adapted for sliding movement on the concaved bearing surface of each lug, and means carried by each end of the bolt for holding the convex inner face of the washer in engagement with the concaved bearing surface of the lug.

2,272,516
MOISTURE-REACTIVATABLE ADHESIVE COMPOSITION
Earle R. Edson, Gloucester, Mass., assignor to Le Page's, Inc., a corporation of Massachusetts
No Drawing. Application April 22, 1939, Serial No. 269,416
3 Claims. (Cl. 106—213)

3. A moisture-reactivatable adhesive composition especially adapted for gummed tape or the like and capable of being adhesively activated practically instantaneously upon being moistened or wetted with water, which comprises as its adhesive base a starch-conversion product having a dextrin content of about 10% to 20% and a solubility in water at 75° F. not exceeding about 50%, which contains as an adhesive activator urea in amount of about 9% to 13%, based on the dry weight of said starch-conversion product, and which additionally contains as an accelerator of the adhesive-activating property of the urea about 2% to 5% dry weight of sodium chloride, based on the dry weight of said starch-conversion product.

2,272,517
LAUNDRY MACHINE
Walter A. Frantz, Shaker Heights, and John J. McCabe, Euclid, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1936, Serial No. 93,450
3 Claims. (Cl. 220—10)

3. A washing machine casing structure comprising, a supporting base, a tub secured to said base, panels surrounding said tub and base in spaced relation with respect to the tub sidewalls, a top plate secured to and overlying the upper ends of said panels, finishing strips overlying the contiguous edges of said panels, and associated fastening devices for securing the panels to each other and to the base of the machine, said top

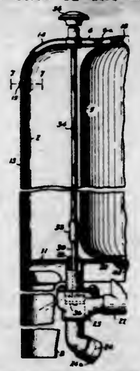
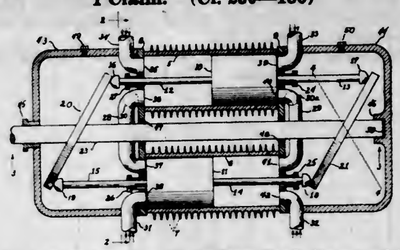


plate being provided with radially extending arms which overlie the upper ends of said finishing strips.

2,272,518
PUMP
Clarence E. Fraser and Edward C. Huismann, Chicago, Ill.
Application January 11, 1939, Serial No. 250,279
1 Claim. (Cl. 230—186)

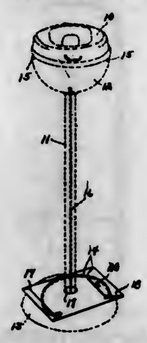


In a pump of the kind described, the combination of a housing, a driving shaft journaled in said housing, said housing having a pair of end chambers adjacent opposite ends of said shaft, said housing having a plurality of bores intermediate said chambers but separated therefrom and extending parallel to said shaft, pistons slidably carried in said bores, compression rods extending from opposite ends of said pistons into the respective chambers, a pair of discs rigidly carried by said driving shaft in said chambers and engageable with the ends of said rods, said discs being disposed in parallel planes non-perpendicular to the axis of said shaft, an inlet and an outlet port at each end of the respective bores, conduits extending from said housing and communicating with respective ports, valves normally closing said ports, said inlet valves biased to open under vacuum and said outlet valves to open under pressure, said end chambers adapted to hold a quantity of lubricating fluid.

2,272,519
MEANS FOR SECURING BAILS TO SMOKE-STANDS FOR SHIPMENT
Gordon A. Gilbertson, Chicago, Ill., assignor to Talbert M. Dick, as trustee of the Cadet Smokestands Company, Des Moines, Iowa, a common-law trust
Application August 15, 1940, Serial No. 352,775
3 Claims. (Cl. 206—47)

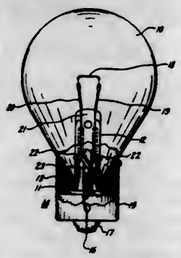
1. In a shipping package for a smoking stand

having a base, a vertical column, an urn portion and a semi-circular detachable bail, the improvement which comprises an envelope with a central opening therein through which the ver-



tical column extends; the detachable bail being positioned within the envelope, and a means for confining said bail in said envelope substantially concentric relative with said column.

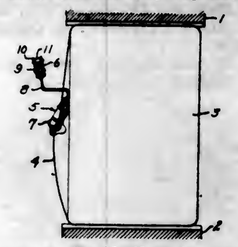
2,272,520
ELECTRIC INCANDESCENT LAMP
Henry H. Helmbright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 29, 1940, Serial No. 367,803
4 Claims. (Cl. 176—38)



4. An electric device comprising a sealed envelope containing an electrical energy translation element, a pair of spaced leading-in wires connected to said translation element and extending through said envelope, a covering of insulating material on the outer lead portion of one of said leading-in wires, said insulating material comprising a woven glass sleeve having a multiplicity of minute openings therethrough, the said insulated portion of said one of said wires being twisted together with the outer lead portion of the other of said wires.

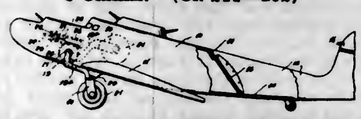
2,272,521
BAND TYING DEVICE
Francis J. Herbelin, Galveston, Tex.
Application March 28, 1939, Serial No. 264,531
3 Claims. (Cl. 100—15)

1. In combination a swingable clamping member and a rotatable clamping member having opposed clamping surfaces, said rotatable clamping member being bifurcated and adapted to swing the first mentioned member outwardly upon initial rotary movement whereby a tie member may be inserted therebetween, the bifurcated clamping member being adapted to receive the free end of the tie member and to



form a reverse bend therein upon continued rotation of such member.

2,272,522
AIRPLANE
Jakob Hojnowski, Nekoosa, Wis.
Application August 24, 1939, Serial No. 291,767
3 Claims. (Cl. 244—102)



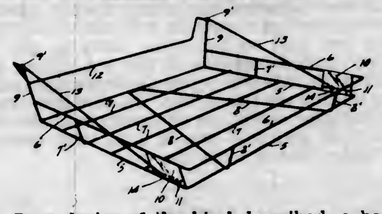
1. In airplane construction of the character described, a fuselage having side wings and a retractible landing gear having parts thereof movable into abutting engagement with the undersides of the side wings in proximity of the fuselage when in extended operative position, the landing gear including a tubular shaft journaled transversely of the fuselage and projecting from opposite sides thereof, a stub shaft secured in each projected end of the tubular shaft, an angularly extending leg portion at the outer end of each stub shaft carrying a terminal fork for the support of a ground wheel, the engagement of the landing gear with the side wings being between the angularly extending leg portions and the undersides of the wings adjacent an edge thereof with the wings constituting bracing elements for the landing gear when in operative position.

2,272,523
ELECTRIC LAMP
George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application January 10, 1941, Serial No. 373,975
5 Claims. (Cl. 176—16)



1. An incandescent lamp for operation in series with one or more series incandescent lamps comprising an envelope, an incandescent filament therein, a filling of ionizable gas capable of supporting a discharge between portions of said filament when severed and capable of emitting exciting radiation when excited by said discharge, and fluorescent means associated with said discharge and responsive to said radiation to give an indication of severance of said filament.

2,272,524
WORK SUPPORT FOR LAUNDRY TUBS
Earl J. Johnson, Minneapolis, Minn.
Application June 5, 1941, Serial No. 396,740
4 Claims. (Cl. 68—237)

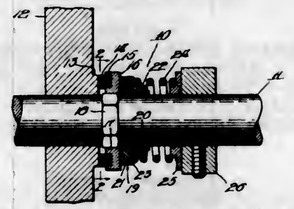


1. In a device of the kind described, a basket, truss rods slidable through upstanding rear portions of the basket and formed at the rear of the basket with depending wall-engaging means, and means for connecting the front ends of said truss rods to the front portion of said basket.

2,272,525
EMBALMING COMPOSITION
Hilton Ira Jones, Wilmette, Ill.
No Drawing. Application December 23, 1940, Serial No. 371,407
5 Claims. (Cl. 27—21)

1. Embalming compositions characterized by the presence of a small amount of alkylated benzylammonium salt.

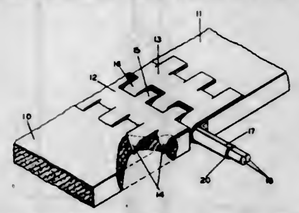
2,272,526
SEAL FOR ROTATING SHAFTS
William C. Keeran, Evanston, Ill., assignor to Bell & Gossett Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1941, Serial No. 381,025
2 Claims. (Cl. 286—11)



1. A seal for a wall and a shaft extending therethrough having a non-circular, coaxial portion integrally formed thereon comprising a rigid holder having an annular seal receiving socket and an axial opening for fitting the shaft portion to provide a direct driving engagement therewith, the holder being axially shiftable on the portion, a sealing annulus mounted in the socket, resilient sealing means having a portion frictionally engaging the shaft to provide a driving grip and sealing contact therewith and another portion for sealably contacting the holder, and means for maintaining the sealing contact of the holder and last named portion.

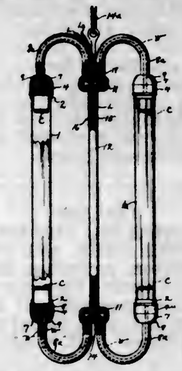
2,272,527
BELT FASTENER
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application November 29, 1940, Serial No. 367,754
15 Claims. (Cl. 24—33)

14. In a belt fastening, the combination with a pair of hinge elements attachable to the opposite ends of a belt, each of said hinge elements including loop portions, said portions of the respective elements being interleaved to form an interior channel; of a hinge-pin comprising a pair of members with convex inwardly directed surfaces to be maintained by the stress of said belt



in mutual engagement for rolling contact, the outer portions of said members being shaped in substantial conformity with the interior surface of said channel, and means providing for frictional engagement between said members and said interior surface of said channel when said belt is under tension to prevent substantial displacement of said members in said channel.

2,272,528
HOLDER FOR FLUORESCENT LAMPS
Eugene R. Kulka, Mount Vernon, N. Y.
Application November 19, 1940, Serial No. 366,226
2 Claims. (Cl. 240—78)



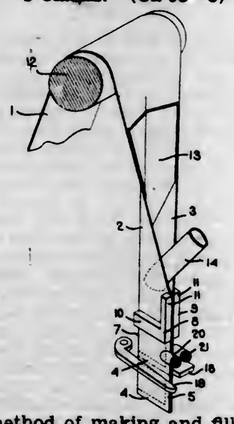
1. A holder for a pair of fluorescent lamps of the type which have separate internal heating coils at the ends of each said lamp and a pair of metal prongs which are connected to the end of each said heating coils, a pair of said prongs projecting longitudinally from each end of each lamp, comprising body members made of insulating material, each body member being releasably connected at its inner face to a pair of said prongs by contact means to which respective wires can be connected, each body member having a cap affixed thereto at the outer end face of the respective body member, each cap having a longitudinal bore, hollow and rigid coupling members, each coupling member being connected at one end thereof to a respective cap and communicating with the bore of the respective cap, the other end of each said coupling member being connected to an auxiliary rigid hollow coupling member, all the wires for the circuits of said lamps being located in said coupling members save for portions of the line wires which project from said auxiliary coupling member.

2,272,529
FISHING TOOL
Albert D. Larson, Oklahoma City, Okla.
Application March 7, 1941, Serial No. 382,203
4 Claims. (Cl. 294—90)



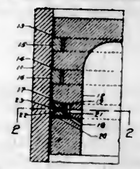
1. A fishing tool comprising: a barrel having at its lower end a work receiving bore of abruptly reduced diameter which bore is eccentric with relation to the remainder of the larger bore in said barrel; an eccentric sleeve of such exterior diameter as to fit snugly but rotatably within said larger bore, the diameter of the sleeve bore and the eccentricity thereof being substantially the same respectively as the diameter and eccentricity of the reduced bore in said barrel; an eccentric plug slidable but non-rotatable in the upper end of said sleeve, and slidable and rotatable in the large bore of said barrel; co-operating means on plug and barrel for limiting the rotational movement of said plug and said sleeve, said means also being adapted to lock said plug, and consequently said sleeve, in at least two positions of orientation with relation to said barrel; and a tool head for said barrel.

2,272,530
METHOD OF MAKING AND FILLING TEA BAGS, COFFEE BAGS, AND THE LIKE
William S. Patterson, Arlington, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application May 8, 1940, Serial No. 333,895
3 Claims. (Cl. 93—3)



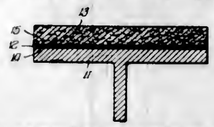
1. The method of making and filling tea bags and the like which comprises folding a web of bag material along a line extending longitudinally thereof, adhesively uniting the two sides of the folded web throughout two zones simultaneously, one zone extending transversely of the web and the other zone extending longitudinally of the web adjacent the edges thereof, thereby to form a pocket closed on one side by the fold of the web and on two other sides by the adhesively united portions of the web, filling said pocket with infusion-producing material, adhesively uniting the two sides of the fold throughout a second zone extending transversely of the web, thereby to seal said pocket and then severing said sealed pocket from the web.

2,272,531
PISTON RING
S. Q. Shannon, Los Angeles, Calif.
Application June 12, 1939, Serial No. 278,633
4 Claims. (Cl. 309—45)



1. A piston ring assembly comprising a thin self-expanding cylinder-contacting ring member having flat surfaces for contacting the piston groove walls and the surface of an adjacent ring member, a thicker vented ring member adjacent thereto having an inside radial diameter greater than said thin ring member, and an expander spring member adapted to slidably bear upon the flat surface of said thin ring member not in contact with said vented ring member and to press outwardly against said vented ring member only.

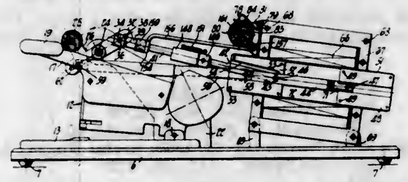
2,272,532
BRAKE LINING CONSTRUCTION
William C. Shriver, Huntington, Ind., assignor to Asbestos Manufacturing Company, Huntington, Ind., a corporation of Indiana
Application August 23, 1941, Serial No. 408,017
7 Claims. (Cl. 188—234)



1. A brake assembly comprising a brake shoe, a brake lining member, said member being formed of hard, frangible material, and an intermediate member bonded to the shoe and lining, the intermediate member comprising a thin sheet of cleavable brake lining material.

2,272,533
ACTUATOR
Sven Svenson, deceased, late of San Francisco, Calif., by Selma Svenson, administratrix, San Francisco, Calif., assignor to George Svenson and Carl Svenson
Application December 17, 1938, Serial No. 246,378
2 Claims. (Cl. 175—341)

1. An actuator comprising a frame, a shaft journalled on said frame and having a pair of opposed cranks thereon, a sleeve mounted on said frame wholly at one side of the shaft with its axis at right angles to and in the same plane with the axis of said shaft, means for producing an electromagnetic field around the center of said sleeve, a pair of armatures mounted to slide within said sleeve, the armature nearer said shaft having an aperture therethrough, a single link pivotally connecting said nearer armature to one

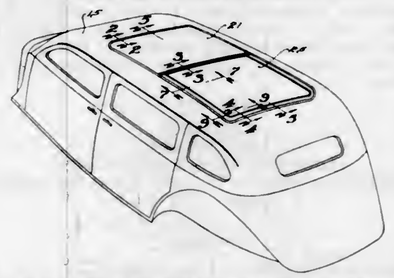


of said cranks, and another single link working freely through said aperture and pivotally connecting the farther one of said armatures to the other of said cranks, the angular relationship of said links and said cranks being such that the operating leverage of said armatures is greater near operated position than at their unoperated position.

2,272,534
ALLOY
Jacob Trantin, Jr., Youngstown, Ohio
No Drawing. Application November 5, 1941, Serial No. 417,905
3 Claims. (Cl. 75—128)

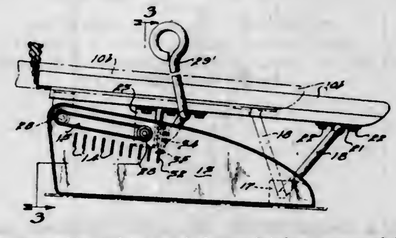
1. A ferrous alloy having an analysis including between .20 and 2.00 per cent carbon, about 5.00 to about 30.00 per cent chromium, 5.00 to about 15.00 per cent copper, 1.00 to about 10.00 cobalt, .10 to about 3.00 per cent molybdenum, and the remainder substantially all iron, said alloy being capable of being cast, and being characterized by wear-resistance and freedom from hot metal scale pick-up.

2,272,535
VEHICLE BODY
John Votypka, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 26, 1937, Serial No. 138,943
8 Claims. (Cl. 296—137)



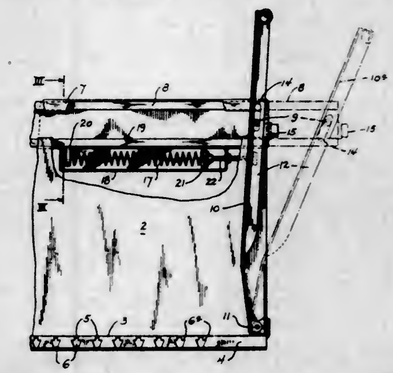
1. In a vehicle body, a roof comprising an upper sheet structure, a sheet metal sub-panel provided under said upper sheet structure to form a double wall roof, said sub-panel being adapted to collect leaking water, the upper sheet structure and the sub-panel being provided with two registering openings occupying substantially not more than one-half of the total area of said sub-panel, and an upstanding flange around all sides of the opening in said sub-panel preventing the water which may be collected in said sub-panel from entering the interior of the body.

2,272,536
ADJUSTABLE SEAT
John Votypka, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 15, 1938, Serial No. 224,877
6 Claims. (Cl. 155—14)



3. An adjustable seat for vehicles, comprising a seat member, a pair of longitudinally disposed supporting braces fixed therebeneath, each of which has a series of vertical slots within its side walls arranged along an upwardly inclined axis; a swingable shaft pivotally fixed at each end to one of the said braces and rotatably fixed to the underside of the said seat member; and supporting member secured to the said seat and mounted for sliding and pivotal movement within forwardly inclined slots in said braces, said seat also carrying a rotatable arm connected to a swingable latching lever adapted to become engaged within any one of the first-named slots, whereby the said seat is capable of adjustment of a position corresponding to any selected slot and of being locked in that selected position.

2,272,537
FILING DRAWER
Ross R. West, San Francisco, Calif., assignor to M. G. West Company, San Francisco, Calif., a corporation of California
Application August 22, 1939, Serial No. 291,358
8 Claims. (Cl. 45—7)



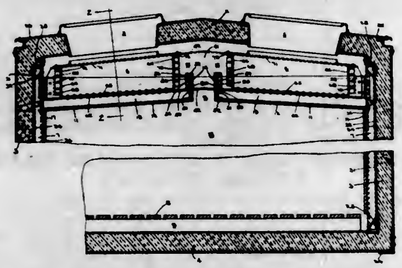
1. In a filing cabinet drawer a compression plate pivotally attached at its lower edge to the rear end of the drawer, a pair of bars slidably mounted one in each side of the drawer, springs acting on said bars to urge the bars to move from their position, when extended, to their retracted position, a cross rod connecting the bars, and a connection between the rod and the compression plate whereby the upper end of the compression plate will swing rearwardly of the drawer during rearward movement of the bars.

2,272,538
ELECTRIC CONNECTOR
Charles G. Wirth, Fair Oaks, Pa., assignor of forty per cent to Carl A. Nussbaum, Pittsburgh, Pa.
Application August 30, 1939, Serial No. 292,727
6 Claims. (Cl. 173—332)



1. A device of the character described, comprising, a casing having a pair of separable sections, a bonnet fitting said casing, a shroud surrounding said sections for securing the same in connected relation, and bails detachably connecting said shroud to said bonnet for maintaining the latter and said sections in connected relation.

2,272,539
REFRIGERATOR CAR
Kurt E. Zeidler, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware
Application January 13, 1940, Serial No. 313,669
6 Claims. (Cl. 62—17)



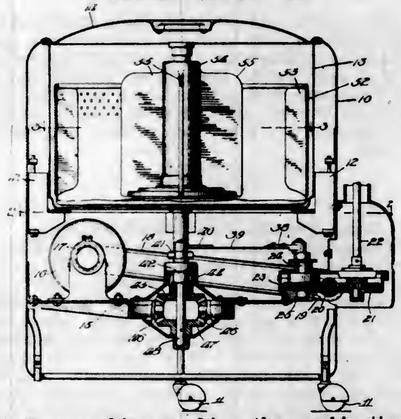
1. In a refrigerator car having spaced apart walls, spaced apart carlines extending therebetween below the roof, a pair of spaced apart metallic purlins provided with longitudinally extending stiffening means extending between said carlines in spaced relation to said walls, means to rigidly attach the ends of said purlins to said carlines so that said carlines and purlins cooperate to form a framework to retard weaving of the car, refrigerant containers between said purlins and said walls and drip pans below said containers arranged to cooperate with said roof, walls and purlins to form enclosing structures for said containers, said purlins being spaced apart to provide an air inlet duct to said enclosing structures.

2,272,540
EXCAVATOR
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application August 30, 1940, Serial No. 354,794
29 Claims. (Cl. 37—126)

11. An excavator comprising a frame, an auxiliary bowl pivoted on said frame, a crank rotatably mounted on said frame, and a main bowl supported by said crank and said auxiliary bowl.



2,272,541
WASHING MACHINE
Dennis B. D. Blake, Danville, Ill.
Application November 23, 1938, Serial No. 241,944
2 Claims. (Cl. 68—133)



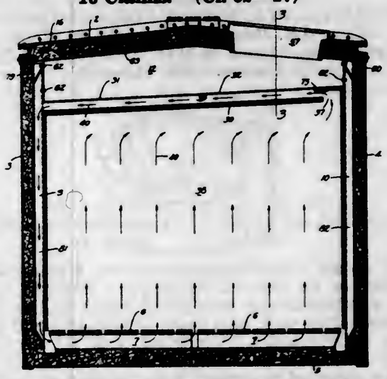
1. In a washing machine, the combination of a receptacle for receiving the pieces to be washed, flat agitating blades carried by the peripheral wall of the receptacle, other flat agitating blades disposed centrally of the receptacle and arranged for movement as a unit, and means for respectively imparting rotary, oscillating movements of equal angular extent in opposite directions to the receptacle and said other agitating blades, all of the blades extending for substantially the depth and for a substantial distance radially of the receptacle, and said other agitating blades having a width substantially twice that of the receptacle blades whereby the inner and outer thrusts exerted on the water by the two groups of blades are substantially balanced.

2,272,542
EYESHADE
Olav Blodjer, Stockton, Calif.
Application October 11, 1939, Serial No. 298,930
6 Claims. (Cl. 2—12)



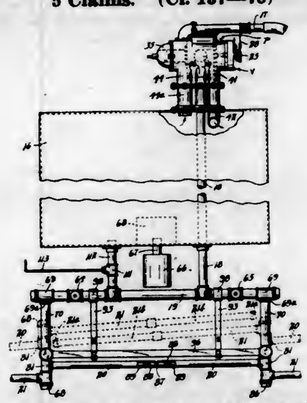
1. An eye-shade comprising an elongated panel of flexible and resilient material, opposed fingers on the panel projecting inwardly in a plane above the upper edge of said panel, the inner ends of said fingers being disposed in spaced relation, and an element connecting said fingers; said element holding the fingers under tension whereby to cause the panel to bow forwardly relative to said fingers.

2,272,543
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware
Application April 24, 1939, Serial No. 269,696
13 Claims. (Cl. 62—17)



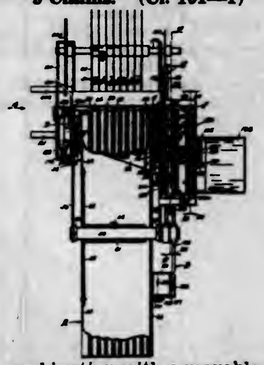
1. In a refrigerator having a roof and spaced apart side walls, a refrigerant container below said roof extending between said side walls and means to secure opposite walls of said container to said side walls, said container functioning as a carline for supporting at least part of said roof.

2,272,544
ROAD SPRAYING DEVICE
Harold A. Cederstrom, Minneapolis, Minn., assignor to Rosco Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application August 8, 1938, Serial No. 223,642
5 Claims. (Cl. 137—78)



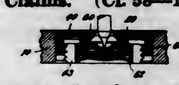
3. In a liquid distributing device and the like, including a tank, a pump and a discharge device, an adjustable valve assembly adapted to be interconnected with said tank, said pump and said discharge device, and including, in one position thereof, means for directing flow of liquid from said tank to said discharge device, said valve being adjustable to a second position connecting said tank, pump and discharge device, and having flow control means for producing withdrawal of liquid from said discharge device to said valve and pump while cutting off flow to said discharge device, and said valve being adjustable to positions intermediate said first and second positions to produce a variable flow of liquid to said discharge device, the withdrawal of liquid from said discharge device offsetting excess flow of said discharge device.

2,272,545
AUTOMATIC RADIO CONTROL
Chester J. Chalupowski, Salem, Mass.
Application December 19, 1939, Serial No. 310,004
5 Claims. (Cl. 161—1)



1. The combination with a movable member, of an actuator therefor comprising a clock, a normally inoperative arrester for said member, a movable device carrying elements identified with preassigned time periods for predetermined days of the week and being presettable to condition said arrester for action when aligned with the latter, mechanism for moving said device, electrical means associated with said clock and including a manually operable day switch for each of said days to cause operation of said mechanism until the preset element corresponding to the clock time and the operated day switch aligns with the arrester, means locking said member to the conditioned arrester when the former is in a predetermined position only, a drive for said member, means becoming operative on alignment of said preset element with the arrester for rendering said drive operative, and means rendering said drive inoperative on locking said member to the arrester.

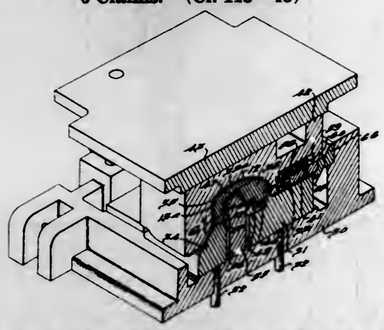
2,272,546
FIXED BEARING FOR THE PIVOTS OF CLOCKWORK SPINDLES
Henri Colomb, Lausanne, Switzerland
Application May 1, 1939, Serial No. 271,146
In Switzerland May 12, 1938
6 Claims. (Cl. 58—140)



6. Fixed pivot bearing for a clockwork spindle comprising a fixed bearing support, a perforated bearing member receiving the pivot and consisting of a frame ring and a perforated jewel inserted therein with a tight fit, a cap bearing member abutting against the pivot, one of said members being recessed to form a lodgment for detachably engaging the other of said members whereby to permit said members to be substantially assembled independently of the bearing support to a single bearing structure and to be only axially separable from each other, said support and said structure including each, on the

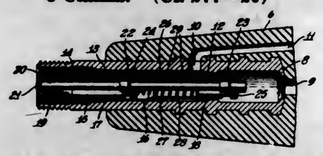
one hand, a cylindrical surface mutually cooperating for centering said bearing structure in said support and, on the other hand, means mutually cooperating for determining the exact axial elevation of said bearing structure within said support, and fixing means applied against said cap bearing member for retaining said bearing structure in position within said support.

2,272,547
APPARATUS FOR MAKING LAVATORIES OR THE LIKE
Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application September 3, 1938, Serial No. 228,217. Divided and this application December 26, 1939, Serial No. 310,897
6 Claims. (Cl. 113—48)



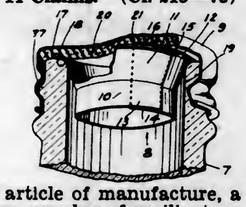
1. An apparatus for making wash basins or the like from a single metal sheet formed with a sump having an outward flange projecting from an upright portion of a side wall of said sump which has another portion merging at a curvature into the sump bottom, comprising expanding die members cooperating to outwardly press said upright portion into a desired curved profile of which the curvature of said other portion is a part, and means movable into position to operate simultaneously with said die members for holding said flange substantially unmovable thereby obtaining between said side wall and flange a bead which projects into said sump.

2,272,548
PNEUMATIC TUBE VALVE
Charles C. Creamer, St. Paul, Minn.
Application January 24, 1941, Serial No. 375,847
5 Claims. (Cl. 277—20)



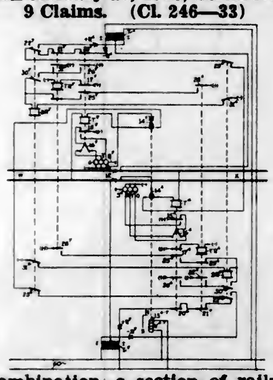
1. A valve for a dual chambered vehicle tire tube, comprising a hollow stem having an open inner end for communicating with one chamber and an opening between its ends for communicating with the other chamber, a sleeve within the stem and having leakproof connection therewith adjacent the ends of the sleeve, said sleeve provided with an intermediate perforated portion spaced from the inner wall of the stem and disposed for communication with said opening, a spring pressed pin slidably mounted in the sleeve, and valve members carried by the pin and normally closing the inner end of the sleeve and the latter between its ends for individually controlling the chambers.

2,272,549
POURING ATTACHMENT FOR CONTAINERS
Richard E. Deschner, Los Angeles, Calif.
Application August 4, 1941, Serial No. 405,278
11 Claims. (Cl. 215—73)



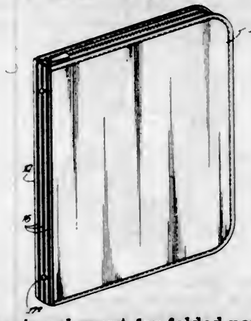
1. As an article of manufacture, a spout consisting of an annulus of resilient material having a substantially lengthwise break in the continuity of its wall, said spout having one end portion substantially cylindrical and its opposite end frusto-conical, said frusto-conical portion being adapted to contact with the throat portion of a bottle as said spout is moved axially into said throat portion under the urge of a closure applied to the mouth of said bottle, said frusto-conical end diametrically and circumferentially contracting whereby upon removal of said closure, to automatically eject said spout to its pouring position wherein said cylindrical portion frictionally engages the wall of the throat portion thereof.

2,272,550
RAILWAY SIGNALING SYSTEM
Oscar H. Dicke, Rochester, and Forest B. Hitchcock, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application January 17, 1940, Serial No. 314,260
9 Claims. (Cl. 246—33)



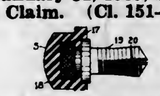
9. In combination, a section of railway track divided from adjacent track by insulating joints, a pair of line wires extending along said section, a source of current of normal polarity and a source of current of reverse polarity at each end of said section, a polar track relay at each end of said section, double-throw contacts at one end of said section for alternately connecting the track relay at that end and one or the other of said sources of current at that end to the track rails of said section at that end, double-throw contacts at the other end of said section operated in synchronism with said first mentioned double-throw contacts through the medium of said pair of line wires to connect the polar track relay at said other end and one or the other of said sources of current at said other end to the track rails at said other end alternately in such a manner that a track relay is connected to one end of the track rails of said track section when one of the sources of current is connected to the rails at the other end of said track section, means for selecting said sources of current in accordance with traffic conditions in the adjacent track section, and signals controlled by said polar track relays.

2,272,551
PORTFOLIO
Carlyle Feldmann, Chicago, Ill.
Application September 20, 1940, Serial No. 357,652
1 Claim. (Cl. 281—36)



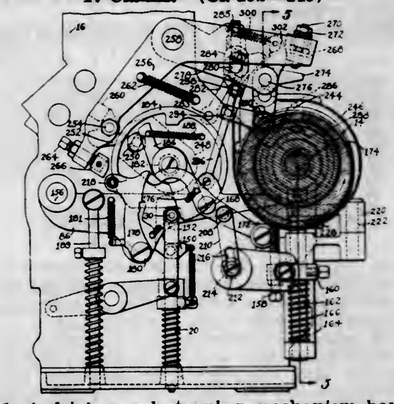
A reinforcing element for folded portfolios containing a binder base along the inside of the fold, comprising a strip of hard material applied to the outside of the fold, rivets along the medial portion of the strip and connecting with said base by passage through the fold, and a series of laterally-spaced longitudinal projections outwardly of the strip to reinforce the same longitudinally, one of said projections being along a medial line and interrupted in the zones in which the rivets are located.

2,272,552
LOCK SCREW
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 31, 1939, Serial No. 253,857
1 Claim. (Cl. 151—32)



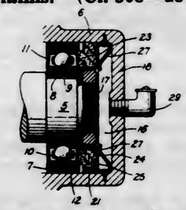
A screw or tap bolt for locking itself in a threaded socket by a gripping engagement comprising a threaded stem of resilient material, a head at one end of said stem for turning it, said stem being initially formed with a slot of uniform width extending diametrically through the stem and longitudinally from the outer end of the stem toward said head for a distance greater than the diameter of the stem, said slot dividing said stem near its outer end into bifurcated portions of semi-cylindrical form, said bifurcations then being spread apart by opposed torsional forces along one side of the stem only at its outer end and thus separated by dimensions progressively varying both longitudinally and transversely of said stem, said bifurcations thereby affording biting edges along one side of said stem adjacent its outer end to engage with the threads of the socket, the outer threaded end of said stem being beveled to facilitate initial engagement and meshing of the threads of the stem with the threads of the socket.

2,272,553
DRIVING AND STOPPING MECHANISM
Joseph Fossa, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application July 1, 1938, Serial No. 217,003. Divided and this application May 10, 1940, Serial No. 334,398
17 Claims. (Cl. 192—149)



1. A driving and stopping mechanism having, in combination, a main shaft, a driving member therefor, a clutch to connect and disconnect the driving member and shaft, a movable clutch control member, a cam on the driving member, mechanism including a member engaging the cam for actuating the clutch controlling member to cause the clutch to connect the driving member and shaft, treadle operated connections for rendering said mechanism operative, and means for holding the cam engaging member away from the cam while the control member is in a position to cause the clutch to disconnect the driving member and shaft.

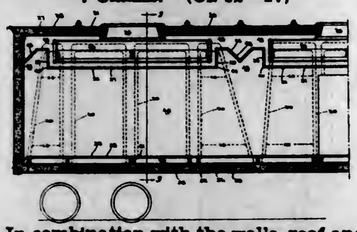
2,272,554
MACHINE BEARING
Samuel Gilbert, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 17, 1940, Serial No. 330,211
2 Claims. (Cl. 308—187)



1. The combination with a bearing assembly, including inner and outer races and an annular perforated plate interposed therebetween, of means including an absorbent pad for maintaining lubricant on the surface of said plate adjacent the perforations therein, to facilitate passage of lubricant through said perforations, and

thus into the space between said inner and outer races, said lubricating means further including an oil chamber and a second annular perforated plate interposed between said oil chamber and the outer surface of said pad; the perforations in said second annular plate being located at diametrically opposite points thereon to provide constant direct access of oil to said outer annular surface at widely separated points thereon.

2,272,555
REFRIGERATOR CAR
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware
Application February 5, 1940, Serial No. 317,272
7 Claims. (Cl. 62—17)



1. In combination with the walls, roof and floor of a refrigerator car, a foraminous rack arranged to support a lading above the floor and to provide a space therebetween, a refrigerant container adjacent said roof, an enclosure for said container said container and enclosure being short relative to the length of said car, a flue associated with one of said walls and communicating at its upper end solely with said enclosure and at its lower end with said space for flow of cold air, said flue diverging toward the lower part of the car and an air inlet opening to said enclosure.

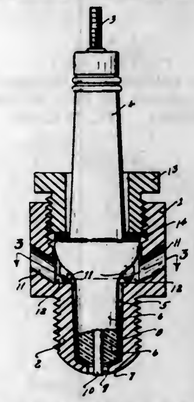
2,272,556
COLORING PHOTOGRAPHIC IMAGES
Alan M. Gundelfinger, Los Angeles, Calif., assignor to Cinecolor, Incorporated, Los Angeles, Calif., a corporation of California
No Drawing. Application December 20, 1938, Serial No. 246,810
3 Claims. (Cl. 95—88)

1. The method of coloring a metallic photographic image which includes: treating said image with an iron toning solution comprising a soluble ferricyanide and a soluble ferric salt to produce a diffused Prussian Blue image having a fringe; and then treating said image with a solution having a pH above 8.0 until said fringe is substantially eliminated but the color of said image is not materially modified.

2,272,557
TONING PHOTOGRAPHIC IMAGES
Alan M. Gundelfinger and Lyne S. Trimble, Los Angeles, Calif., assignors to Cinecolor, Incorporated, Los Angeles, Calif., a corporation of California
No Drawing. Application December 20, 1938, Serial No. 246,848
3 Claims. (Cl. 95—88)

1. The method of coloring a photographic silver image which includes: treating said image with an iron toning solution comprising a soluble ferricyanide and a soluble ferric salt to produce a diffused Prussian Blue image having a fringe; and then treating said film with a solution containing sodium sulphite, the pH of said solution being above 7, until said fringe is substantially eliminated but the color of said image is not materially modified.

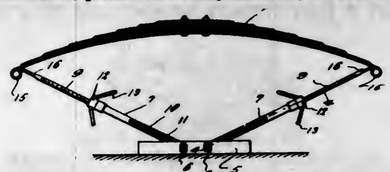
2,272,558
SPARK PLUG
Earl M. Hall, Salem, Oreg., assignor of one-half to Henry Carl, Salem, Oreg.
Application June 18, 1940, Serial No. 341,193
2 Claims. (Cl. 123—169)



1. A spark plug including a metallic body formed with a threaded extension to secure the plug in place, the lower end of the extension being formed with an annular opening forming an electrode, the lower end of the body being upwardly curved from the edge of the opening, an insulating body having a part seated within the extension and spaced from an interior bore thereof, the body being circumferentially enlarged above the parts fitted within the extension, a strip arranged between the extension of the insulating body and the wall of the bore the lower edge of the strip terminating in line with the edge of the opening and the upper edge of the strip terminating within the extension below the enlargement of the insulating body, said strip underlying and forming a support for the insulating body, an electrode extending longitudinally of the insulating body and terminating within and spaced from the wall of the opening in the lower end of the threaded extension of the metallic body to thereby provide a spark gap, the insulating body above the extension of the metallic body being spaced from the latter to provide a ventilating chamber, the metallic body being formed with a plurality of radiating openings leading from the ventilating chamber through the metallic body for ventilation.

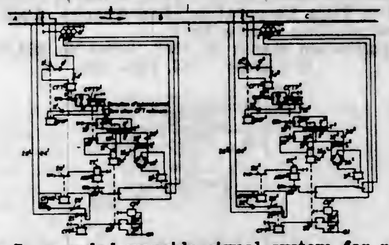
2,272,559
AUTOMOBILE SPRING JACK
Roy Hebbert, Ashby, Nebr.
Application January 18, 1940, Serial No. 314,543
3 Claims. (Cl. 29—37.1)

1. A vehicle leaf spring supporting and repairing jack comprising a supporting base of skeleton frame structure, tubular jack rods pivoted at one end thereof to the base inwardly from opposite ends thereof so as to be angularly swingable to and from said base, shank members telescopically fitting in said jack rods, interengaging means on said jack rods and said shanks for extending and retracting said shanks relative to said jack rods and for securing said shanks at the desired position of adjustment, and each of



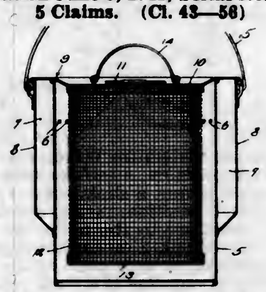
said shanks having a flatttened free end for engagement with an automobile spring adjacent to a terminal eye of said spring.

2,272,560
CODED TRACK CIRCUIT FOR RAILWAYS
Myer Hormats, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 29, 1939, Serial No. 311,558
9 Claims. (Cl. 246—38)



5. In a coded wayside signal system for railways, in combination, an isolated block, a plural aspect signal at the entrance end of the block, means at the exit end of the block for applying energy to the exit end of the block variously coded in accordance with traffic conditions ahead, a polarized impulsing relay at the entrance end of the block, a code following relay at the entrance end of the block, a code following repeater relay at the entrance end of the block and having a control and an inductive winding, an inverse code energy source at the entrance end of the block, means for connecting the inverse code source across the entrance end of the block only when the polar relay is energized, and an energizing circuit for the polar relay including a half-wave rectifier, and energized only by current induced in the inductive winding due only to the control winding becoming deenergized.

2,272,561
MINNOW BUCKET
Calvin Glenn Hubbell, Rankin, Ill.
Application June 9, 1941, Serial No. 397,318
5 Claims. (Cl. 43—56)



1. A live bait bucket comprising a main bucket section, a casing surrounding the main bucket section in spaced relation therewith, providing an ice compartment, said bucket section having openings establishing communication with the ice compartment whereby water enters the main bucket section from the ice compartment, and a cover for the bucket section and ice compartment.

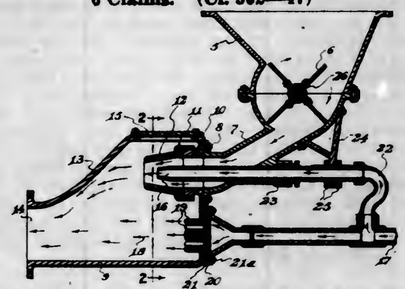
2,272,562
PROCESS FOR MANUFACTURING VEGETABLE PROTEINS
Hiromu Iwamae, Otake-cho, Saeki-gun, Japan
No Drawing. Application July 25, 1939, Serial No. 286,487. In Japan July 26, 1938
3 Claims. (Cl. 260—112)

1. A process for the preparation of a protein material which consists of treating soybean meal with from .1 to 1. normal aqueous sulfurous acid, separating the resulting protein solution from the insoluble residue, precipitating the protein material in the solution by adding a neutralizing agent in quantity sufficient to bring the liquid to the isoelectric point of the protein, and separating the precipitated protein.

2,272,563
PROCESS FOR MANUFACTURING VEGETABLE PROTEINS
Hiromu Iwamae, Otake-cho, Saeki-gun, Japan
No Drawing. Application July 25, 1939, Serial No. 286,488. In Japan July 26, 1938
3 Claims. (Cl. 260—112)

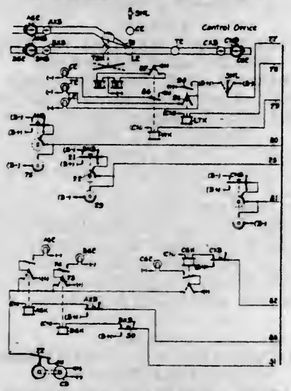
1. A process for the preparation of a protein material which consists of treating soybean meal with from .1 to 1.N aqueous sulfurous acid, separating the resulting solution from the insoluble residue, and expelling the sulfur dioxide from the solution, thereby precipitating the protein product.

2,272,564
DRY CEMENT CONVEYER
Paul H. Kuever, Jr., Ada, Okla., assignor of twenty-five per cent to Mrs. E. M. Kuever, St. Louis, Mo., and twenty-five per cent to F. Blaine Rhoades, Fort Smith, Ark.
Application January 28, 1941, Serial No. 376,387
6 Claims. (Cl. 302—47)



1. A device for conveying material particles in air suspension, said device comprising a hopper, a chambered casing, a discharge spout carried by the hopper and extending into the casing chamber, a nozzle carried by the spout and disposed within the casing chamber, a primary air nozzle extending into the end of the hopper spout and into the nozzle carried thereby, a downwardly and outwardly extending deflecting wall carried by the casing opposite the hopper spout nozzle, the outer end of said casing having a discharge opening, and a secondary air supply pipe terminating in multiple jet nozzles within the casing.

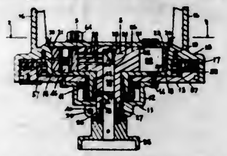
2,272,565
SWITCH AND SIGNAL CONTROL SYSTEM FOR RAILROADS
Andrew Langdon, Brighton, and Waltrus L. Livingston, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 24, 1939, Serial No. 291,716
8 Claims. (Cl. 246—134)



7. In a switch and signal control system, a remote track layout including at least one track switch for providing a plurality of different routes between signal locations constituting entrance and exit points, a detector track section associated with said track switch and provided with a track relay, route establishing means manually rendered active from a control office for controlling the power operation of said track switch to establish any given route and clear the signal at the entrance thereto, circuit means effective while said track relay is deenergized for maintaining said route establishing means active independently of its manual control from said control office, a normally deenergized line circuit extending between the track layout and the control office, circuit means at the track layout for applying energy of one polarity to said line circuit when said route establishing means is rendered active to set up a route over said track switch providing said track relay is energized but applying energy of the opposite polarity whenever said track relay is deenergized, and normally inactive indication means at the control office including a neutral-polar relay responsive to the energization of said line circuit with said one polarity to display an indication that said track switch is included in a route by said route establishing means, said indication means being responsive to the energization of said line circuit with said opposite polarity to display the same said indication that said track switch is included in a route and also that its said detector track section is occupied by a train.

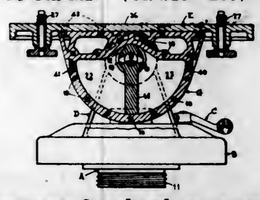
2,272,566
CAMERA FREE HEAD
Grover Laube and Robert Colby Stevens, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application March 29, 1939, Serial No. 264,772
9 Claims. (Cl. 248—186)

9. In a camera free-head, a camera supporting member arranged to rotate about a fixed axial member, said supporting member having an annular chamber therein adapted to be filled with liquid, a partition in said annular chamber arranged to cause said liquid to move with said chamber, a vane fixed to said axial member extending into said annular chamber arranged to create a fluid pressure between said vane and



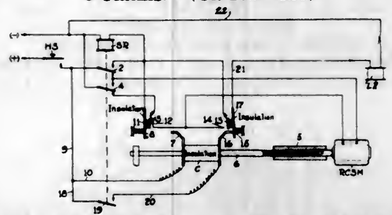
said partition resisting rotation of said camera supporting member, and means active upon engagement with said partition by said vane for moving said partition to various fixed positions in said annular chamber.

2,272,567
CAMERA FREE HEAD
Grover Laube and Robert Colby Stevens, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application March 29, 1939, Serial No. 264,773
16 Claims. (Cl. 248—185)



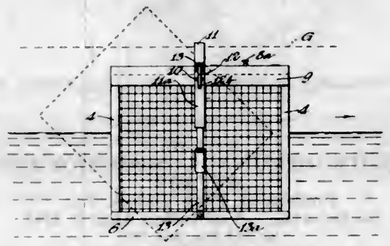
1. In a camera free-head, a camera support adapted to swing about a fixed horizontal member, there being an arcuate chamber in said support adapted to swing with the same, a stationary vane on said fixed horizontal member extending into said chamber dividing the same into two communicating compartments and adapted to force liquid from one compartment to the other when said camera support is moved on its horizontal axis.

2,272,568
TIMING SYSTEM
Robert J. Little, Gates, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 7, 1939, Serial No. 298,520
6 Claims. (Cl. 175—320)



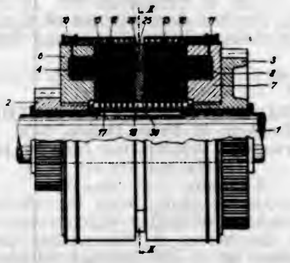
1. In a timing system for use on railways and the like, in combination, a self-starting constant speed reversible motor, a stick relay, a contactor having an initial position, means operably connecting the contactor to the motor for forward and reverse movement, a forward energizing motor circuit including a back point of the stick relay, a pick-up circuit for the stick relay closed upon a predetermined forward movement of the contactor, a reverse energizing motor circuit including a front point of the stick relay and a normally open contact closed during the first part of the forward movement of the contactor, and a timing circuit including in series a front point of the stick relay and a contact closed only when the contactor is in its initial position.

2,272,569
FISH BOX FOR BOATS
William N. Luhmann, Minneapolis, Minn.
Application August 7, 1941, Serial No. 405,771
4 Claims. (Cl. 43—55)



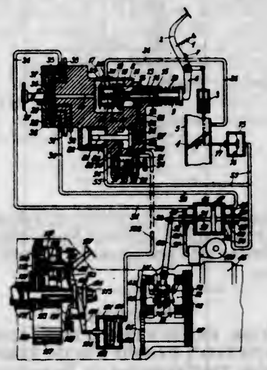
1. A fish box for boats comprising, a box-like reticulated container, said container having a bottom constructed of relatively rigid material, a bracket adapted to be clamped to the gunwale of a boat, and a pivotal connection between said bracket and said box permissive of swinging action of said box on a horizontal axis disposed transversely of said gunwale, whereby in the movement of said boat over the water said container will be automatically tilted to offer minimum obstruction to the water.

2,272,570
ELECTROMAGNETIC CLUTCH
Albert Maier, Friedrichshafen, Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen A.-G., Friedrichshafen, Bodensee, Germany
Application March 6, 1940, Serial No. 322,594
In Germany March 6, 1939
6 Claims. (Cl. 192—84)



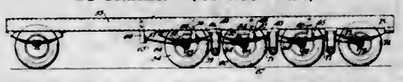
1. An electro-magnetic plate clutch comprising a first rotatable member, a second rotatable member, a pack of annular clutch plates, certain plates of said pack being secured for rotation with the first rotatable member and other plates of said pack being secured for rotation with the second rotatable member, and a plurality of electro-magnetically actuated members capable of relative movement for compressing the inner and outer portions of all said annular clutch plates of said pack.

2,272,571
GEAR SHIFT AND CLUTCH CONTROL APPARATUS
Karl Maybach, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany
Application May 25, 1937, Serial No. 144,719
In Germany May 30, 1936
18 Claims. (Cl. 192—.01)



1. In a motor driven vehicle having a clutch and a variable speed gear transmission, fluid pressure operated gear shift means for the transmission, fluid pressure operated means for actuating the vehicle clutch, and control means for the clutch actuating means responsive to the gear shifting means to effect actuation of the clutch during shifting action of the gear shift means.

2,272,572
VEHICLE CONSTRUCTION
Edward Chase Merry, Miles City, Mont., assignor to J. Vernon Neville, Forsyth, Mont.
Application October 7, 1938, Serial No. 233,776
14 Claims. (Cl. 280—124)

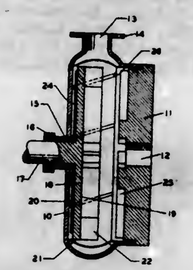


2. In a vehicle construction, a chassis frame, a plurality of wheel assemblies comprising axles, wheels on said axles and springs secured intermediate their ends to said axles and a slide device extending across said frame substantially midway between adjacent axles and comprising complementary relatively movable portions, one of which is secured to said chassis frame and the other of which is secured to said wheel assembly.

2,272,573
COMBINED FLUID MIXER AND PUMP
Harold E. Messmore, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 24, 1939, Serial No. 269,767
5 Claims. (Cl. 259—96)

1. A combined fluid mixer and centrifugal pump comprising a pump housing, a rotary impeller mounted in the housing and having its front face, rear face and periphery in spaced relation with the interior of the housing, an impeller shaft rigidly connected to the rear face of the impeller, a fluid inlet in the housing opposite the front face of the impeller, a fluid outlet in the housing, a plurality of curved vanes on the front face of the impeller for directing a stream

of fluid admitted into the housing toward the periphery of the impeller, a second plurality of shorter curved vanes on the front face of the impeller for urging a portion of the fluid im-



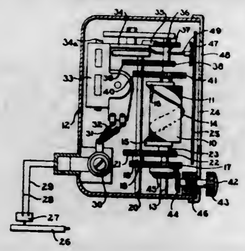
pinging thereon in a direction opposing flow, and a plurality of baffles intermediate the periphery of the impeller and the housing for inducing fluid turbulence.

2,272,574

MEANS FOR INDICATING THE AMOUNT OF AMMUNITION FIRED FROM FIREARMS

Erich Nöthe, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application July 21, 1939, Serial No. 285,811
In Germany March 11, 1939
10 Claims. (Cl. 116—129)



1. In apparatus of the class described, a drum, the latter having a helix marked upon the surface thereof for coarse indications, a vernier indicator comprising a helical surface, means for operatively connecting the drum and helical surface, and means subjected to periodic movement for advancing said drum in one direction only in accordance with the movement of said means.

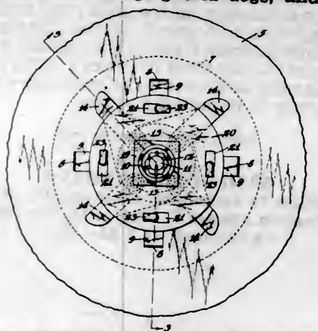
2,272,575

WHEEL MOUNTING FOR MOTOR VEHICLES

Arthur H. Organ, Minneapolis, Minn., assignor of one-fourth to James G. Kishish, Minneapolis, Minn.

Application April 24, 1940, Serial No. 331,376
4 Claims. (Cl. 301—9)

1. In a wheel structure, an apertured wheel disc, a hub plate closely fitted into the aperture in said disc and having a shoulder on one side thereof abutting one side of said disc, a rigid interlock between said disc and hub plate, a plurality of dogs connected to said hub plate on the side opposite to said shoulder and pivotally movable in a plane parallel to the face of said disc and into contact with said opposite side of said disc, means for swinging said dogs, and means



for releasibly locking said operating means and dogs.

2,272,576

FLOUR IMPROVING COMPOSITION AND METHOD

Frederic H. Penn, Dallas, Tex.

No Drawing. Application April 9, 1941, Serial No. 387,781
17 Claims. (Cl. 99—232)

14. A flour bleaching composition comprising a dry free flowing powdered mixture of an active organic peroxide having substantial flour bleaching properties and an alkalinous metal water soluble compound containing, per mole, about two to about twelve moles of water of crystallization, in sufficient amount to prevent flammability of the organic peroxide, and an anhydrous packing inhibitor.

2,272,577

COMPOSITION AND METHOD FOR BLEACHING MILLING PRODUCTS

Frederic H. Penn, Dallas, Tex.

No Drawing. Application June 11, 1941, Serial No. 397,622
15 Claims. (Cl. 99—232)

1. A flour bleaching composition comprising a dry free flowing powdered mixture of an active organic peroxide having substantial flour bleaching properties, a water soluble alkali metal salt containing, per mole, about two to about ten moles of water of crystallization, in sufficient amount to prevent flammability of the organic peroxide, and an anhydrous packing inhibitor.

2,272,578

HYDROGENATED BUTTER METHOD

Frederic H. Penn, Dallas, Tex.

No Drawing. Application June 20, 1941, Serial No. 399,026
2 Claims. (Cl. 99—121)

2. A process for improving the storage and keeping qualities of butter which comprises dehydrating the butter, hydrogenating the dehydrated butter fat in the substantial absence of air and moisture at a temperature of from about 35° C. to about 60° C., and emulsifying the hydrogenated product with water.

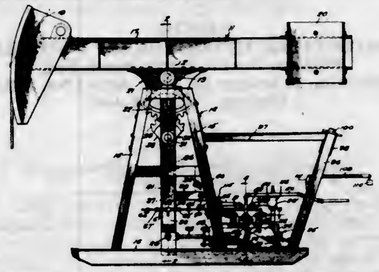
2,272,579

WELL PUMPING MECHANISM

Dorsey D. Perry, Beaumont, Tex.

Application October 3, 1940, Serial No. 359,595
16 Claims. (Cl. 121—164)

1. Mechanism for driving a walking beam or the like comprising, a reciprocating fluid expansion engine, a reciprocating piston rod in the engine, interconnection between the piston rod and the walking beam comprising a lever, a pivot carried by the lever, and intergearing between the pivot and the walking beam.



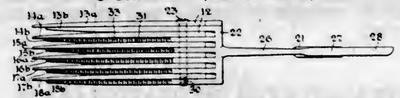
6. A well pump drive mechanism comprising a walking beam or the like, the walking beam comprising a mulehead and counterweight, a bumper for absorbing momentum of the counterweight at the completion of its downstroke.

2,272,580

HAIR CUTTING AND THINNING SHEARS

Brooks Phillips, Savannah, Ga.

Application October 21, 1940, Serial No. 362,137
6 Claims. (Cl. 30—195)



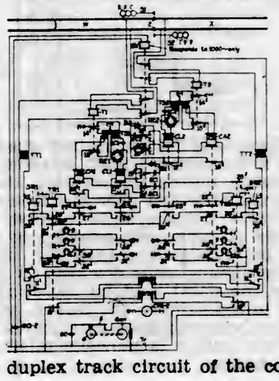
1. A hair thinning tool comprising a pair of cutting blades, each having uninterrupted cutting edges, and a plurality of pairs of thinning blades, at least one blade of each pair having a serrated edge defining cutting areas and non-cutting areas, all of said blades being arranged side by side in juxtaposition; and common mounting and actuating means for all of said blades, whereby a tress of hair may be cut and thinned by a single operation.

2,272,581

CODED TRACK CIRCUIT SIGNALING SYSTEM

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 24, 1940, Serial No. 362,636
20 Claims. (Cl. 246—33)



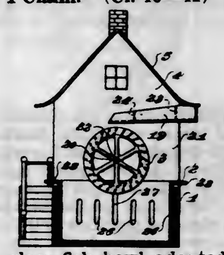
1. In a duplex track circuit of the coded type comprising, a section of track, code applying apparatus at each end of said section, code responsive apparatus at each end of said section, and double throw contacts at each end of said section operating in synchronism to connect the code applying apparatus at one end to the code responsive apparatus at the other end through the rails of said section and connect the code applying apparatus at the other end to the code responsive apparatus at said one end through the rails of said section alternately, said double throw contacts assuming alternate positions at such a slow rate that a complete code comprising a plurality of impulses may be transmitted in opposite directions through the rails of said section during such single alternate connection by said double throw contacts.

2,272,582

POND AND FISH BOWL

Alfred Poppe, Rochester, N. Y.

Application March 2, 1937, Serial No. 128,639
1 Claim. (Cl. 46—41)



A pond, a glass fish-bowl adapted to be positioned in said pond, said fish-bowl having flanges on three sides thereof, which flanges are adapted to engage with the edges of the pond, upright short slots in the fish-bowl through which water is adapted to flow from the fish-bowl into the pond, the bottoms of said slots being above the bottom of the bowl a sufficient distance to retain in the bowl water enough for the fish to swim in, a long slot in said bowl, a stud placed over the side of the fish-bowl in line with said long slot, said stud having a water wheel rotatably and removably mounted thereon, said stud being engaged in said slot on the raising of the bowl and permitting the raising of the bowl.

2,272,583

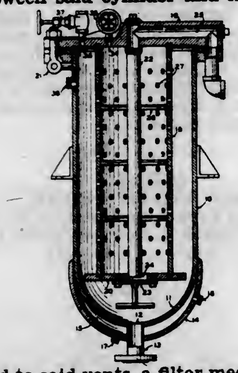
FILTERING APPARATUS

Jesse O. Reed, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

Application February 8, 1940, Serial No. 317,883
1 Claim. (Cl. 210—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A filter apparatus comprising a housing having a cup-shaped bottom, a steam jacket around said bottom, a pipe connected to the bottom of said housing through said jacket, a cover plate removably secured on the top of said housing, a perforated hollow cylinder concentrically disposed in said housing, said cylinder being suspended from said cover plate, reinforcing rings against the inner surface of said cylinder, an end plate of substantial thickness secured to the bottom of said cylinder, said end plate having an aperture through the center thereof, a smaller plate removably secured on the bottom of said end plate to cover said aperture, an imperforate outlet tube

coaxially disposed through said cylinder, said tube being suspended at one end from said cvoer plate, the other end of said tube terminating above said smaller plate in said aperture, said cover plate having a conduit therethrough communicating with said tube, said cover plate having vents therethrough, one of said vents communicating with the space between said cylinder and said tube, and another vent communicating with the space between said cylinder and housing, valves



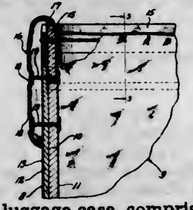
connected to said vents, a filter medium comprising alternate layers of cotton batting and wire fabric spirally disposed about the outside surface of said cylinder, the innermost layer of cotton batting having extended portions over the ends of the outer layers of cotton batting and wire fabric, said extended portions being forcibly held against the cover plate at the top and against said end plate at the bottom, and baffle rods between consecutive layers of said cotton batting.

2,272,584

LUGGAGE CARRIER BOTTOM CLEAT

Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin

Application April 14, 1941, Serial No. 388,470
2 Claims. (Cl. 190—37)



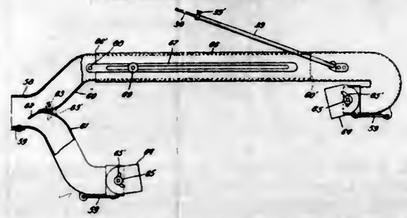
2. A hand luggage case, comprising a container having a rigid bottom wall and flexible end walls secured to and extending vertically from opposite ends of the bottom wall, said bottom wall being formed of a rigid panel terminating at its ends short of the adjacent edges of the end walls, yieldable welts surrounding the peripheral portions of the end walls and having their outer portions projecting laterally beyond the planes of said end walls, the welts along the lower edges of the end walls projecting inwardly of the planes of said end walls and meeting the extremities of said rigid bottom wall, and metallic cleats secured to corner surface portions of said bottom wall and having elongated rectilineal bottom portions and short up-turned outer end portions clampingly embracing projecting portions of said welts, portions of said cleats forming protective protuberances for said bottom and end walls and the welts, the rectilineal portion of a cleat bridging the joint between the end portion of the bottom panel and the meeting inner portion of a welt to reenforce the connection and said portion of the yieldable welt.

2,272,585

ADJUSTABLE HYDROTHERAPY NOZZLE

William Rocke, South Bend, Ind.

Application February 13, 1941, Serial No. 378,839
3 Claims. (Cl. 128—66)



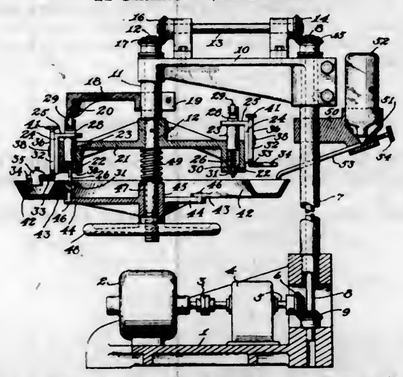
1. In a nozzle attachment for a hydrotherapy circulator, a dual branch attachment section, adjustable deflector means to control the flow through the branches so as to proportion the flow of fluid between the two branches, a telescoping longitudinally adjustable section attachable to one of the branch sections, and pivotal discharge sections attachable to both the branch and telescoping sections, whereby dual water currents of variable intensities may be adjustably directed.

2,272,586

APPARATUS FOR DECORATING GLASS ARTICLES

James W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application February 18, 1939, Serial No. 257,211
11 Claims. (Cl. 91—46)



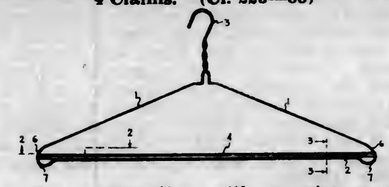
1. An apparatus for decorating glass articles, including a horizontal trough adapted to carry ceramic paint, means for rotating the trough, dipping units arranged over the trough, means for causing the dipping units to travel with the trough, said dipping units adapted to carry articles to be decorated, means for successively moving the dipping units downwardly to dip the articles in the paint, and an agitating element immersed in the paint in the trough, said agitating element being mounted on a stationary base, whereby the trough is movable relative to the agitating element.

2,272,587

GARMENT HANGER

Henry C. Ruen, Detroit, Mich., assignor to Cleaners Hanger Company, Detroit, Mich., a corporation of Michigan

Application March 19, 1941, Serial No. 384,033
4 Claims. (Cl. 223—88)



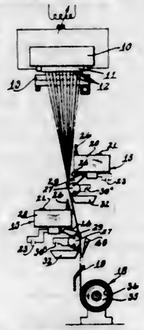
1. The combination with a wire garment hanger having spaced upper and lower spans integrally connected at the hanged ends, of a substantially rigid wooden strut extended above and adjacent to the lower span and terminally formed with shallow notches to straddle the hanger ends, the lower span having an abruptly downwardly offset end portion at one end to facilitate upwardly springing such end in applying said strut.

2,272,588

COATING FOR FIBROUS GLASS STRANDS

Allen L. Simison, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application July 31, 1937, Serial No. 156,627
3 Claims. (Cl. 49—77)



1. The method of producing a glass textile strand which comprises simultaneously and continuously drawing a multiplicity of fine glass filaments from a supply body of molten glass at a speed of at least 5,000 feet per minute, continuously winding the said filaments in strand form into a package, simultaneously and continuously grouping the filaments at a point between said supply and package into the form of a strand with the filaments substantially parallel in the strand, and at said point coating the filaments with molten wax capable of solidifying solely by cooling within a small fraction of a second prior to said filaments reaching said package.

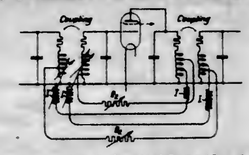
2,272,589

REGENERATIVE WAVE BAND FILTER

Joachim Steinmetz, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company of Germany

Application April 11, 1939, Serial No. 267,219
In Germany April 7, 1938
1 Claim. (Cl. 178—44)

In a one stage wave band filter having symmetric characteristics, comprising a vacuum tube having an anode, a grid and a cathode, an input circuit having one terminal connected to said cathode, an inductance having one terminal connected to said cathode and the opposite terminal connected through a resistance to the opposite side of said input circuit, a second inductance closely coupled to the first mentioned inductance having one terminal connected to said grid and



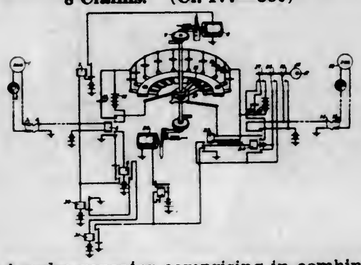
the opposite terminal to said cathode, an anode circuit comprising an inductance connected through a resistance to said anode and a feedback circuit including a resistance adjustably connected to the first mentioned inductance, and the output inductance, the arrangement being such that the amount of feedback is adjustable and the width of the wave band decreases as the feedback is increased.

2,272,590

PULSE REGENERATOR

Karl D. Swartzel, Jr., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 21, 1940, Serial No. 341,610
8 Claims. (Cl. 177—380)



1. A pulse repeater comprising in combination a condenser, means for charging said condenser in accordance with a series of impulses, a device for controlling a pair of conductors, an interrupter for producing pulses over said pair of conductors, means for connecting said condenser to said device whereby said device is operated from the charge on said condenser, and means controlled by said interrupter for withdrawing from said condenser a portion of the charge with each pulse whereby said device releases after the production by said interrupter of as many pulses over said pair of conductors as were in the series used to charge said condenser.

2,272,591

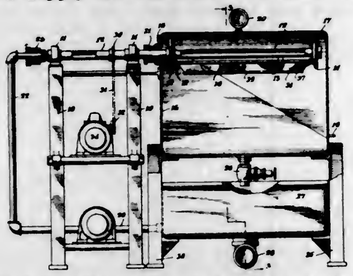
PRESSURE DYEING MACHINE FOR YARNS, RIBBONS, AND OTHER MATERIALS

John Verduin, Hawthorne, N. J.

Application October 23, 1939, Serial No. 300,716
1 Claim. (Cl. 68—206)

A skein dyeing apparatus comprising: a closed vat, said vat having side walls converging toward the bottom of said vat, said vat also having end walls, an arcuate cover for said vat mounted on said walls, a rotatable, perforated tube mounted near the top of said vat, said tube having discs at each end, at least a portion of said discs being

located within the space defined by said arcuate cover, a rod rotatably mounted on and extending between said discs, a weighted fin mounted on said rod and extending substantially between said discs, a supply tank below said vat, a conduit



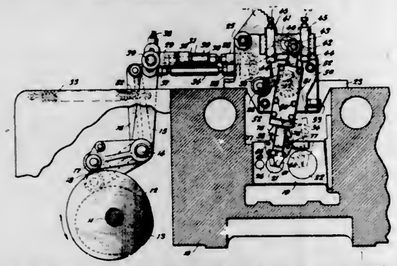
leading from said vat to said supply tank, said conduit containing a pressure relief valve, means to circulate liquid from said supply tank to said perforated tube, and means to rotate said perforated tube.

2,272,592

TRANSFER MECHANISM

Richard Lester Wilcox and Herbert L. Hoyt, Waterbury, Conn., assignors to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application February 12, 1941, Serial No. 378,596
40 Claims. (Cl. 10—12)



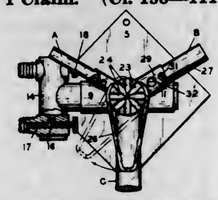
1. In a transfer mechanism; an oscillating member for transferring a workpiece from one station to another; tongs pivotally mounted between the ends thereof about a common center and carried by the oscillating member; and means associated with the oscillating member movable therewith and relatively thereto, that enter the space between the tail portions of the tongs and separate the tongs.

2,272,593

ROTARY BURNER

Gibb E. Andrie, Oakland, Calif.

Application October 19, 1940, Serial No. 361,907
1 Claim. (Cl. 158—111)



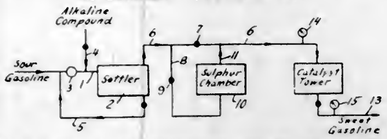
In a device of the character described, a base, a pair of supports mounted on said base, each of said supports having a bearing in axial alignment one with the other, a horizontally positioned member rotatably supported in said bearings, a vertical member secured to said horizontal member and communicating with the interior thereof, a rotatable member mounted on said vertical member, a plurality of burners radially arranged on said rotatable member, a port formed in said vertical member and communicating with but one of said burners when said burners are rotated successively into alignment therewith, means for delivering a combustible mixture to said rotatably supported horizontal member, said means including a T-shaped member secured to one of said bearings, and valves mounted in said T-shaped member and communicating with the interior thereof.

2,272,594

REFINING OF OIL

Richard O. Bender, Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application October 20, 1939, Serial No. 300,439
12 Claims. (Cl. 196—30)



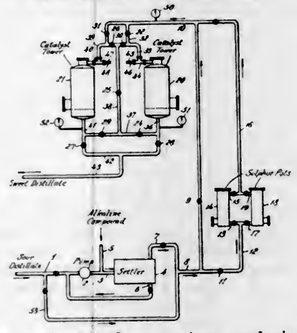
1. A method of removing undesirable sulphur compounds from a petroleum distillate which comprises incorporating in the distillate an amount of elemental sulphur not exceeding the amount of elemental sulphur required to combine with said sulphur compounds but sufficient to combine with most of said sulphur compounds, an alkaline compound in an amount sufficient to render and maintain the distillate alkaline and finely dispersed oxygen, and passing the resulting alkaline distillate containing elemental sulphur and finely dispersed oxygen in intimate contact with a lead sulphide catalyst in the absence of undispersed water and in the presence of not more than a small amount of added finely dispersed water.

2,272,595

REFINING OF OIL

Richard O. Bender, Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application July 24, 1940, Serial No. 347,202
10 Claims. (Cl. 196—30)



1. The method of removing undesirable sul-

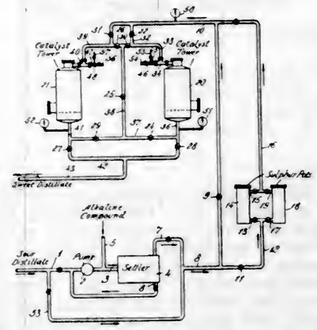
phur compounds from a light petroleum distillate which comprises incorporating in the distillate elemental sulphur and an amount of an alkaline compound sufficient to render and maintain the distillate alkaline, and subjecting the alkaline distillate containing elemental sulphur to the action of a lead sulphide catalyst in the absence of any substantial amount of free oxygen and any substantial amount of moisture.

2,272,596

REFINING OF OIL

Richard O. Bender, Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application December 9, 1940, Serial No. 369,218
10 Claims. (Cl. 196—29)



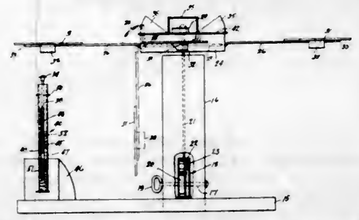
1. The method of removing undesirable sulphur compounds from a light petroleum distillate which comprises incorporating in the distillate an amount of elemental sulphur substantially equal to the amount of elemental sulphur required to combine with said sulphur compounds and an amount of an alkaline compound sufficient to render and maintain the distillate alkaline, and passing the alkaline distillate containing elemental sulphur in intimate contact with a lead sulphide catalyst in the absence of any substantial amount of free oxygen and undispersed water and in the presence of not more than a small amount of added finely dispersed water.

2,272,597

MECHANICAL TARGET TOY

James W. Butler, Pittsburgh, Pa.

Application September 14, 1940, Serial No. 356,757
4 Claims. (Cl. 273—102.1)



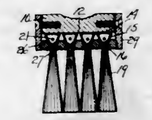
1. In a game apparatus, a target comprising a standard, a shaft rotatably mounted vertically in said standard and projecting upwardly from the standard, a casing carried by the protruding upper portion of said shaft and having openings about its periphery and opening in its top, arms having inner end portions extending into the casing and pivoted therein to mount the arms for swinging movement from an elevated horizontal position radially of the casing to a depending vertical position, objects carried by outer portions of said arms and disposed horizontally when the arms are elevated, inner ends of said arms being bent to extend upwardly through the upper openings of the casing and scoring members carried by the upwardly extending inner ends of said arms and movable therewith through the top openings of the casing from a retracted position within the casing to an exposed position beyond the periphery of the casing.

2,272,598

BRUSH

Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut

Original application January 2, 1935, Serial No. 81. Divided and this application June 30, 1938, Serial No. 216,767
4 Claims. (Cl. 15—179)



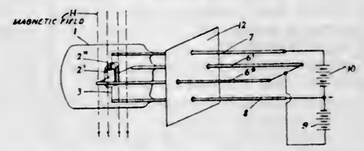
1. A brush comprising a cylindrical body having a bordering groove with a bottom flat from side to side extending around it, a brush element comprising a channeled base extending longitudinally around said border and composed of thin, resilient material, said base having sides and a bottom, said sides converging from the bottom of the channel outwardly and the bottom of the channel being formed flat from side to side to correspond to and fit the bottom of said groove, brush material extending outwardly from within the channel between the sides thereof to receive their binding action, and means for securing said brush material in said groove.

2,272,599

ULTRA HIGH FREQUENCY SYSTEM

Andre Gabriel Clavier and Ernest Rostás, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

Application April 1, 1939, Serial No. 265,580
In France April 1, 1938
5 Claims. (Cl. 250—36)

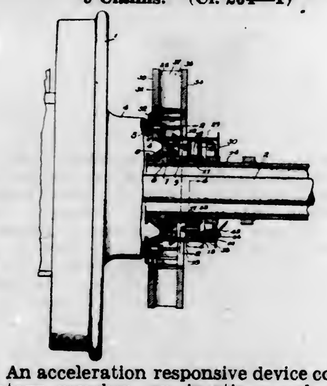


1. An ultra-high frequency translating system which comprises a shield having apertures, an electron discharge tube having electrodes contained therein, at least three leads including at least one lead from every electrode contained in said tube, said leads all extending parallel to one another from said tube through said apertures and said shield being adjustable along said leads, whereby said shield and said leads constitute the sole high-frequency tuned elements of the system, and potential supply means connected to said leads on the opposite side of said shield from said tube.

2,272,600
COMPOUNDING RUBBER
Frank W. Corkery, Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania
No Drawing. Application July 31, 1939, Serial No. 287,623
6 Claims. (Cl. 260—4)

1. A composition rubber compounded with a substantial proportion of low-polymer coumarone-indene resin initially fluid at normal room temperature oxidized by blowing it with an oxygen-containing gas to the state of a gum solid at normal room temperature.

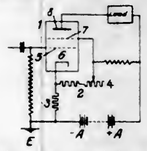
2,272,601
ACCELERATION RESPONSIVE DEVICE
Carolus L. Eksergian and Joseph H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1939, Serial No. 250,276
9 Claims. (Cl. 264—1)



1. An acceleration responsive device comprising a rotary member, an inertia member coaxial therewith, resilient means constraining said members to rotate together under normal conditions but yieldable under the stored energy in said inertia member to permit limited relative rotation between said members upon acceleration of said rotary member beyond the normal, the inertia member being guided in its relative rotation by inter-engaging guiding and radial supporting means, respectively, on said members, said supporting and guiding means comprising a plurality of circumferentially spaced rollers on one member and trackways on the other member, one for each roller and in which the respective roller is guided on the other member, said trackways being slightly inclined to a plane nomal to the axis of said members, whereby acceleration of the rotary member beyond the normal causes the inertia member to rotate relative thereto and in said rotation to shift axially to initiate a control impulse.

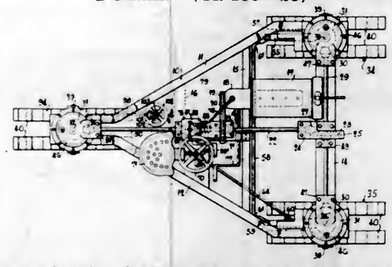
8. An acceleration responsive device comprising a rotary member, an inertia member coaxial therewith, resilient means constraining said members to rotate together under normal conditions but yieldable under stored energy in said inertia member to permit limited relative rotation between said members upon acceleration of said rotary member beyond the normal, the inertia member being guided in its relative rotation by guide means on one of said members and means engaging said guide means on the other of said members, the guide means being slightly inclined to a plane normal to the axis of said members, whereby the acceleration of the rotary member beyond the normal causes the inertia member to rotate relative thereto and in said rotation to shift axially to provide a control force, the inertia member being mounted in a closed housing, between which and said inertia member the inter-engaging guide means are arranged, said housing and inertia member being a unitary structure assembled as a unit with the rotary member.

2,272,602
HIGH FREQUENCY RECEIVER
Herbert Eichhoff, Berlin-Lichterfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company of Germany
Application January 18, 1939, Serial No. 251,569
In Germany January 18, 1938
3 Claims. (Cl. 179—171)



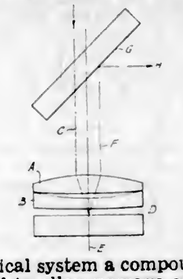
1. A radio receiver comprising an electron tube having a control grid and a screen grid and means for adjusting the amplification of said tube comprising a potentiometer having an adjustable resistance connected between the cathode and screen grid of said tube and a second resistance connected between the cathode and the control grid of said tube, and a battery for applying a potential across said resistance in series, whereby the current which passes through the resistance supplying the biasing voltage to the screen grid is caused to pass also through the resistance for supplying the biasing voltage to the control grid and upon adjustment of said adjustable resistance a change is caused in the battery current flowing through said second resistance.

2,272,603
TRACTOR
William Gordon Ellis, Shelby, N. C.
Application January 6, 1941, Serial No. 373,341
1 Claim. (Cl. 180—26)



In a tractor having two spaced front steerable wheel units and a single steerable rear wheel unit, each of said wheel units comprising a vertically disposed sleeve mounted for rotation near its upper end in the frame, a vertically disposed shaft rotatably mounted in the sleeve, a transverse shaft mounted in the lower end of the sleeve and extending at each end beyond the sleeve, a wheel fixed on each end of the shaft, a geared connection between the vertical shaft and the transverse shaft, a motor on the tractor, a rigid shaft driven by the motor and extending longitudinally of the tractor and having a driving connection with the vertical shaft of the rear wheel unit, a second rigid shaft disposed in alinement with the first rigid shaft, a clutch between the proximate ends of the shafts, a driving connection between the second shaft and the motor, a transversely disposed rigid shaft disposed between the two front wheel units, a geared connection between the transversely disposed shaft and the second shaft, a geared connection between the ends of the transversely disposed shaft and each of the vertical shafts of the front wheel units whereby the two front wheels will be driven at the same speed under all directions of travel, means for moving said clutch to disconnect the second shaft from the first shaft to thereby disconnect the engine from the rear wheel unit.

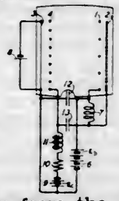
2,272,604
COLLIMATING LENS AND OPTICAL SYSTEM
Philip Francis Everitt, Ilford, England, assignor of two-thirds to Arthur Joseph Hughes, Chigwell Row, and Henry Hughes & Son, Limited, London, England, a corporation of Great Britain (jointly)
Application December 30, 1938, Serial No. 248,564
In Great Britain December 8, 1938
5 Claims. (Cl. 88—1)



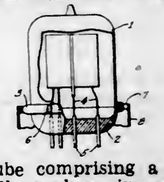
1. In an optical system a compound collimating lens positioned to allow passage of incident light rays and comprising a two element lens, the lens element first transmitting the incident light being a double convex lens with surfaces of unequal curvature, the rear lens element being a concavo-convex lens, the surface of lesser curvature of said double convex lens being positioned adjacent the concave surface of the concavo-convex lens, said concave surface of the concavo-convex lens being of shorter radius of curvature than the adjacent surface of the double convex lens so that the lens elements can make contact only at the edges thereof and a plane mirror positioned behind said concavo-convex lens and normal to the optical axis of the compound lens to reflect the incident light transmitted thereto back through the said compound lens, said system being free from chromatic aberration, spherical aberration and coma.

2,272,605
ELECTRIC WAVE SOURCE AND AMPLIFIER
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,702
13 Claims. (Cl. 250—36)

1. An electron discharge device comprising a cathode, a pair of conducting elements widely separated therefrom but closely spaced with respect to each other, the element nearest the cathode being apertured, a resonant electrical system connected to the conducting elements, means for polarizing the elements positively with respect to the cathode, means controlled by the resonant system for causing electrons emanating from the cathode to arrive at the apertured positive element in periodic spurts at times when the electrostatic field in the interspace between the conducting elements occasioned by oscillations in the resonant system is directed to oppose electrons proceeding from the cathode, the spurts being separated by intervals of substantially no electron flow, the frequency of the resonant system and the velocity of the electrons upon arrival at the apertured element being so related that during the entire transit of the electrons between the pair of conducting elements, the electrostatic field of the interspace between the conducting elements abstracts energy from the electrons.

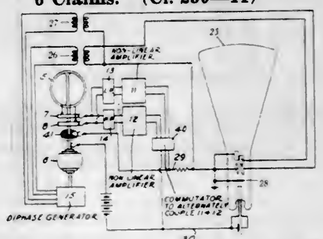


2,272,606
ELECTRON TUBE MOUNTING
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company of Germany
Application February 3, 1940, Serial No. 317,138
In Germany January 25, 1939
1 Claim. (Cl. 250—27.5)



An electron tube comprising a glass bulb, a base for said bulb, a glass ring encircling said bulb and fixed thereto, and a socket for supporting said tube, at least one notch in said ring for engaging a corresponding guiding projection of said socket, said bulb and said base being sealed together by said glass ring.

2,272,607
NAVIGATION SYSTEM AND APPARATUS
René Alphonse Higonnet, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 2, 1939, Serial No. 302,546
In France October 15, 1938
6 Claims. (Cl. 250—11)



1. An automatic direction finder comprising a

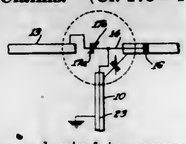
rotatable frame aerial, means for rotating said aerial in the earth's magnetic field to generate potentials of a given frequency dependent upon the speed of rotation of said aerial and in the field due to the radio transmission station to generate a current of a second frequency, a detector for said second frequency current to change it to said given frequency, a source of reference current of said given frequency, a cathode-ray oscillograph indicator having a screen, a deflecting system and an electron gun including an anode and deflecting electrodes, means for producing a rotating field by applying said reference current to the deflecting system of said oscillograph and means for applying the alternating potentials generated in said aerial to the anode of the electron gun of said oscillograph so that no spot appears on the screen thereof except when the amplitude of said applied potentials pass through a predetermined value and through its positive maximum value and means for simultaneously applying said alternating potentials to the deflecting electrodes, whereby a radial flash whose angular position is indicative of the direction of the field producing said potential appears on said screen.

2,272,608

ANTENNA MATCHING STRUCTURE

Ross Barnum Hoffman, Chicago, Ill., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware

Application December 19, 1939, Serial No. 309,926
5 Claims. (Cl. 178—44)



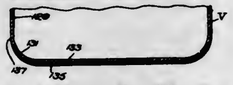
1. A structure adapted to connect a symmetrical circuit to an asymmetrical circuit, comprising a first tubular conductor and a second tubular conductor, a third conductor having portions thereof contained within said tubular conductors forming substantially equal inductances, a fourth conductor and a fifth conductor, a condenser having substantially one-half the impedance of either inductance, connected between said third conductor and said fifth conductor, and means for connecting said fourth conductor to one of said first and second conductors.

2,272,609

COPPER COATED COOKING VESSEL

James M. Kennedy, Arthur P. Knight, and Harold J. Lee, Rome, N. Y., assignors to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

Application November 12, 1938, Serial No. 240,060
1 Claim. (Cl. 53—1)



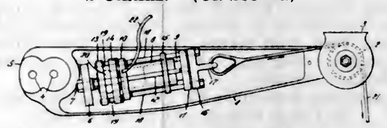
A cooking vessel or the like having bottom and adjacent side wall portions with an exteriorly convex wall portion of material radius joining the two, which portions present a continuous exterior surface of stainless steel, a layer of electrolytically deposited copper deposited immediately on said surface substantially integral therewith, said layer having a relatively thick portion extending over said bottom surface, the marginal portion of said layer extending around said convex wall portion and being of progressively decreasing thickness and having an electrolytically deposited edge portion of material width and attenuated thickness merging into said stainless steel surface along a substantially continuous regular line at a distance above said bottom surface many times greater than the thickness of the copper layer on said bottom surface, the radius of said convex portion being many times greater than the thickness of the copper layer on said bottom surface.

2,272,610

TONG HANDLE TORQUE INDICATOR

William Karl Kreiger, Wilmington, and William J. Travers, Jr., Bakersfield, Calif., assignors to Richfield Oil Corporation, a corporation of Delaware

Application October 19, 1940, Serial No. 361,870
2 Claims. (Cl. 265—1)



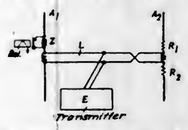
1. In a device for measuring the torque applied in assembling screwed joints the combination comprising a tong handle carrying a sheave at the end to which force is applied, a cooperating cylinder and piston assembly secured to and supported by the tong handle at a point adjacent the other end with the line of cylinder-piston travel substantially coincident with the line from the point of support tangent to the sheave, a coupling attached to the movable element of the cylinder-piston assembly arranged between the point of support and the sheave, and a connection for transmitting pressure developed in the cylinder-piston assembly to a pressure measuring device.

2,272,611

DIRECTIONAL AERIAL ARRAY

Julien Jean Baptiste Lair and Georges Edme Marcel Perroux, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

Application June 14, 1939, Serial No. 279,026
In France June 14, 1938
2 Claims. (Cl. 250—11)



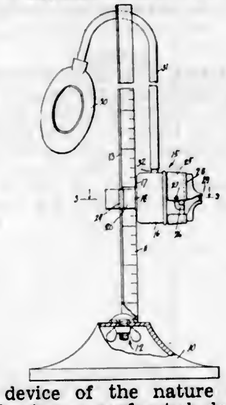
1. A radio system for guiding vehicles comprising a pair of radiating antennae arranged in spaced relation, a source of high frequency current, transmission lines connected to supply exciting currents from said source to said pair of radiating antennae, and means for alternately varying the impedance of one of said radiating antennae to render the resultant reactance of said antenna alternately positive and negative, while maintaining a continuous flow of power from said transmission line to said one antenna, whereby the waves radiated from said one antenna are alternately de-phased to opposite sides of the phase of the radiated wave which would be obtained in case the resultant reactance of said one antenna were zero.

2,272,612

SKIRT MARKER

Isaac Levin, Brooklyn, N. Y.

Application February 20, 1941, Serial No. 379,770
7 Claims. (Cl. 33—9)



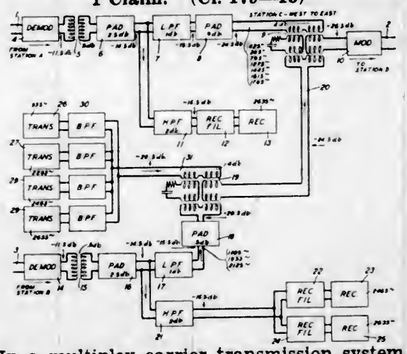
7. In a device of the nature described, a receptacle having a perforated depressed portion in one wall thereof, a split ring for frictionally yet slidably supporting the device upon a post, a cupped perforated protuberance on the ring extending into the receptacle depression, ribs on the said receptacle wall in engagement with the ring to prevent rotary relative movement between the said receptacle and ring, and means for securing the ring to the receptacle at its depression.

2,272,613

TRANSMISSION WITH LEVEL EQUALIZING

Walter A. Phelps, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 22, 1940, Serial No. 336,517
1 Claim. (Cl. 179—15)



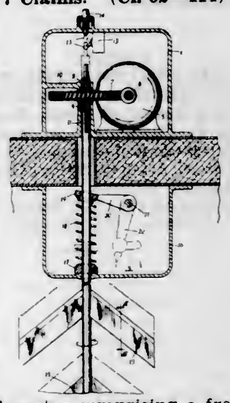
In a multiplex carrier transmission system, a multiplex line incoming to an intermediate station and a multiplex line outgoing from said station, incoming channels on said incoming line arriving in said station at relatively high level, outgoing channels on said outgoing line emerging from said station at low level, another channel at said station at higher level than said outgoing channels, and means to connect certain of said incoming channels on said incoming line to said outgoing line for through-transmission and simultaneously to connect said other channel to said outgoing line comprising a three-way transformer having two mutually conjugate pairs of terminals and a third pair of terminals, a first circuit branch connecting one of said mutually conjugate pairs of terminals to said certain of said incoming channels, a second circuit branch connecting the other pair of mutually conjugate pairs of terminals to said other channel, and a third circuit branch connecting said third pair of terminals to said outgoing line, and resistance means in said first and second circuit branches for independently reducing the level of the channels in said respective branches to the same level in said third circuit branch.

2,272,614

REFRIGERATOR

Louis William Reinken and Jacob Suter Jammer, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application September 13, 1939, Serial No. 294,648
In Great Britain September 16, 1938
7 Claims. (Cl. 62—114)



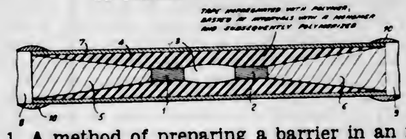
3. A refrigerator comprising a freezing chamber, a container for receiving a mixture to be frozen in said chamber, a rotatable stirring shaft extending downwardly into said container, laterally projecting paddles on said shaft, said shaft being longitudinally movable during rotation thereof and said paddles being shaped to impart an upward thrust to said shaft while stirring a mixture in said container, an electric motor drivably connected with said shaft, and a switch for operating said motor having an operating lever disposed axially above said shaft whereby said switch is operated by upward movement of said shaft to stop said motor.

2,272,615

ELECTRIC CABLE

Thomas Robertson Scott and John Krauss Webb, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application October 15, 1938, Serial No. 235,182
In Great Britain October 26, 1937
10 Claims. (Cl. 174—22)



1. A method of preparing a barrier in an impregnated power cable comprising building up the insulation around the core conductor with tapes of fibrous insulating material impregnated

with polymerized material, basting the impregnated tapes with polymerisable material at intervals during the building-up operation in order to cause them to adhere to one another to form a solid barrier in the cable, disposing a protective sleeve around the built up insulation, and maintaining said barrier at polymerizing temperature until polymerization of the polymerizable material occurs.

2,272,616

PHOSPHATIDIC COMPOUND

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

No Drawing. Application August 14, 1939, Serial No. 290,083
11 Claims. (Cl. 260—403)

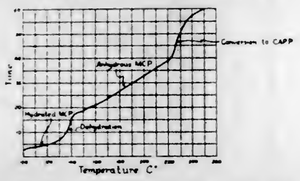
1. As a product of manufacture, a new phosphatidic compound resulting from the reaction between an alkali metal salt of an inorganic acid and a phosphatide.

2,272,617

CALCIUM ACID PYROPHOSPHATE COMPOSITION AND METHOD OF PRODUCTION

Edwin Cox and Robert H. Kean, Richmond, Va., and Frank B. Carpenter, Jr., and Wilbur K. Enos, Charleston, S. C., assignors to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia

Application March 18, 1939, Serial No. 262,734
2 Claims. (Cl. 23—108)



1. As an article of manufacture, particles of substantially pure anhydrous monocalcium phosphate individually coated with calcium acid pyrophosphate, the coating being free from phosphoric acid and free from ortho- and meta-phosphates, and from alkali metals, the coating consisting of calcium acid pyrophosphate constituting about 10% to 25% of the entire particle.

2,272,618

CERAMIC BODY

Albra H. Fessler and Karl Schwartzwalder, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 22, 1936, Serial No. 81,188. In Germany September 11, 1935
15 Claims. (Cl. 106—46)

1. A spark plug insulator of dense, non-porous, sintered crystalline structure formed by firing, to a temperature below that of complete fusion, a finely ground non-plastic ceramic mixture showing upon analysis from 85 to 99% alumina and from 15 to 1% silica, said insulator consisting predominantly of a sintered mass of crystals with a small proportion of interstitial glass, said sintered crystalline mass including corundum.

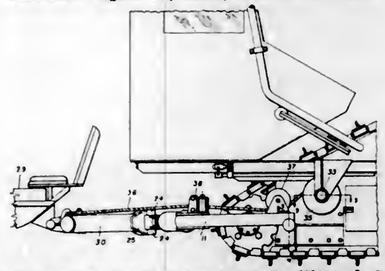
11. The method of making dense, non-porous bodies consisting predominantly of corundum and mullite, which consists in preparing a mixture of aluminum oxide and an aluminum silicate, the mixture showing upon analysis from 85 to 99% alumina and from 15 to 1% silica, pulverizing the material to a grain size on the order of 325 mesh or less, shaping the article from the material and firing the article to temperatures on the order of from cone 30 to cone 35 to sinter it into a dense, non-porous mass of corundum and mullite crystals retaining the desired shape.

2,272,619

TRACTOR AND RUDDER HITCH

Theodore P. Flynn and Raymond E. Neils, Portland, Oreg., dedicated to the free use of the People in the territory of the United States

Application March 26, 1940, Serial No. 325,990
5 Claims. (Cl. 180—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



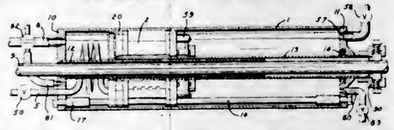
1. In a snow tractor having a trailing sled for steering the tractor, means for coupling said tractor and sled, said means comprising a yoke member horizontally hinged to said tractor, another yoke member horizontally hinged for free and unlimited pivotal movement to said sled, a horizontal stub shaft rotatably engaged with one of said yokes and vertically hinged to the other yoke.

2,272,620

DIAMOND DRILL

Henry S. Hoffar, Vancouver, British Columbia, Canada, assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada, a corporation of British Columbia, Canada

Application February 20, 1939, Serial No. 257,540
14 Claims. (Cl. 255—45)



1. A diamond drill or the like comprising a casing and a rotor therein, means to connect said casing and rotor to a drill rod for conjoint movement, a cylinder receiving said casing and guiding the same for axial movement, means to advance the casing and the rotor and drill rod axially of the cylinder, means, independent of the advancing means, and operable during axial advance of the casing, to rotate the rotor and drill rod relatively to the casing, and control means operable to vary relatively the speed of rotation and force effecting axial translation of the drill.

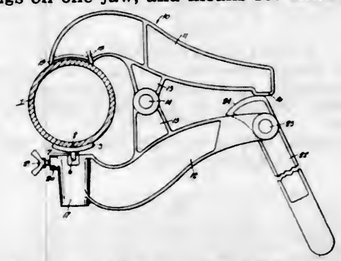
2,272,621

WELD PATCH CLAMP

Patterson D. Merrill, South Bend, Ind., assignor to M. B. Skinner Co., South Bend, Ind., a corporation of Indiana

Application July 5, 1938, Serial No. 217,496
1 Claim. (Cl. 113—102)

A clamp comprising a pair of pivotally interconnected jaws, means for pivoting said jaws toward each other, a pair of spaced transverse ribs forming inwardly projecting pipe-engaging bearings on one jaw, and means for tiltably and



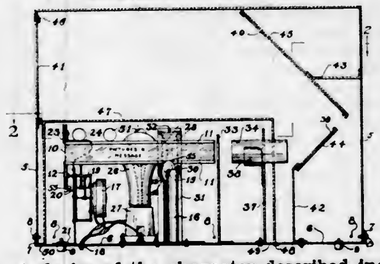
removably mounting a patch plate to project inwardly from the other jaw at a point spaced from the pivot axis of said member a distance intermediate that of said ribs from said axis.

2,272,622

ADVERTISING DEVICE

Henry M. Rundle, Moorestown, N. J.

Application September 29, 1939, Serial No. 297,044
8 Claims. (Cl. 88—27)



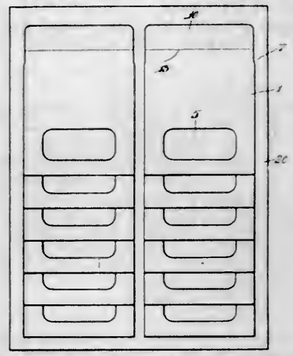
1. A device of the character described including a base, a plurality of rotatably-mounted transversely-fixed wheels arranged at intervals along the circumference of a circle parallel to said base with their axes extending in a radial direction, and having their top portions lying at substantially the same elevation, a transparent image-bearing cylinder resting on the tops of said wheels and supported thereby, one of said wheels being connected to a driving motor thereby to rotate said cylinder, means resiliently urging said cylinder down against the driven wheel, a source of illumination inside said cylinder arranged to cast its rays outwardly therethrough, an inner casing detachably secured to said base and having an apertured rear wall, said inner casing generally completely enclosing said image-bearing cylinder and said source of illumination, a tube extending through the aperture in the rear wall of the inner casing and bearing projector lens means for projecting the images borne by said cylinder, an upwardly inclined mirror disposed rearwardly of said tube and arranged to reflect projected images generally upwardly, a juxtaposed downwardly inclined mirror disposed above said first-mentioned mirror and in the path of the reflected images, said last-mentioned mirror being arranged to reflect said images generally forwardly, and an outer casing secured to said base completely housing said inner casing and said mirrors, said inner casing confining the light rays emitted by said source of illumination and prohibiting any light from entering the space between said inner and outer casings except through said tube, said outer casing bearing a relatively large-sized aperture at an elevation above the top of said inner casing, and a translucent viewing screen associated with said aperture and arranged to intercept the images reflected forwardly from said second mirror.

2,272,623

CONTAINER FOR MOUNTING ON DISPLAY CARDS

Earle I. Runner, Wheeling, W. Va.

Application August 3, 1939, Serial No. 288,171
2 Claims. (Cl. 206—80)



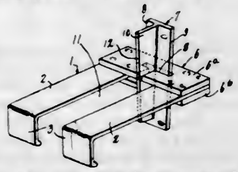
2. A container of the character described comprising front and rear walls having their sides and bottoms connected and having a mouth at the top of the container, a lip carried by each of the walls and extending outwardly from the mouth, each of said lips having transverse substantially registering lines of weakening, one of the lips having adhesive extending substantially throughout its inner face so as to provide for affixment of substantially the entire front lip to said rear lip, and means to secure the rear lip to a support at points above the said line of weakening of the rear lip, and said lines of weakening being located intermediate the tops and bottoms of the lips whereby to provide for removal of the container from the support along said lines of weakening so that the portions of the lips below the lines of the weakening will remain adhered and the mouth of the container thereby maintained sealed upon its removal from the support, and upon removal the portions of the lips above the lines of weakening will remain upon the support.

2,272,624

WEDGE-UP CLAMP

Moses Schlatter and William F. McCollum, Los Angeles, Calif.

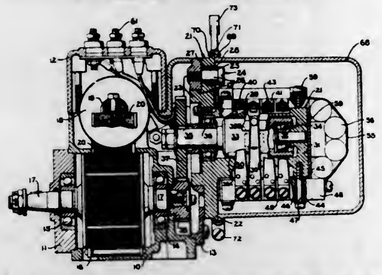
Application February 17, 1939, Serial No. 256,960
4 Claims. (Cl. 287—49)



1. A clamp for securing two crossed bars, said clamp having a body comprising a pair of spaced arms with hook-ends for engaging over one of the bars, said arms forming a throat between the same to receive the other bar, said clamp

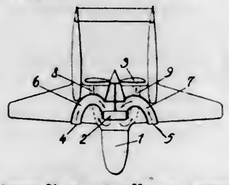
also having a cross-head connecting said arms; said cross-head having a slot and an angle-form wedge mounted to fit in the slot and slide in said slot with its edge projecting out of the slot and toward the hook-ends of the said spaced arms to engage the other bar.

2,272,625
IGNITION MEANS
Walter J. Spengler, Jakob R. Frei, and Glen H. Dingman, Sidney, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 26, 1939, Serial No. 301,357
14 Claims. (Cl. 123—148)



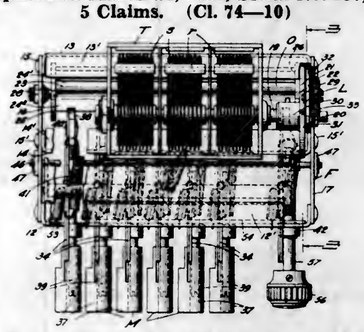
13. A magneto generator comprising a casing, a coil in said casing, means including a rotor for inducing alternating current in said coil, a rotatable cam having axially spaced lobes, groups of axially spaced circuit breakers on opposite sides of said cam, means connecting one contact of each of said circuit breakers to said coil, an outgoing conductor connected to the other contact of each of said circuit breakers, and means interposed between said circuit breakers and cam whereby the latter is operative to effect the closing and opening of said circuit breakers in a predetermined sequence during each revolution of the cam.

2,272,626
COOLING ARRANGEMENT FOR AIRCRAFT ENGINES
Ingobert Starke, Munich, Germany, assignor to the firm Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany
Application November 5, 1938, Serial No. 238,952
In Germany November 3, 1937
9 Claims. (Cl. 244—57)



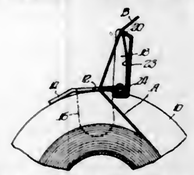
1. In an aircraft, a nacelle, an engine for said aircraft mounted in said nacelle, a pusher propeller driven by said engine, and means for cooling said engine including at least one air-guiding entrance canal open forwardly of said propeller in the direction of flight of said aircraft to freely receive the oncoming air and reversely curving the same to direct the air over said engine in the direction of flight of said aircraft, and means including at least one exit canal receiving the said air from the front of the engine and reversely the same to guide and discharge said air toward the rear of said aircraft, substantially rearwardly of said engine and rearwardly of the opening of said entrance canal.

2,272,627
RADIO STATION SELECTOR
Earl H. Allen, Fanwood, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application March 24, 1938, Serial No. 197,755
5 Claims. (Cl. 74—10)



1. In a radio station selector, a rotatable operating member and a translationally movable push-button manual for actuating the same, the operating member comprising a cradle shaped member having two cam or contact faces spaced thereon on opposite sides of the rotational axis thereof, and an actuating member at the operating end of said manual, said actuating member having two cam or contact elements spaced for coaction with the cam or contact faces on the operating member.

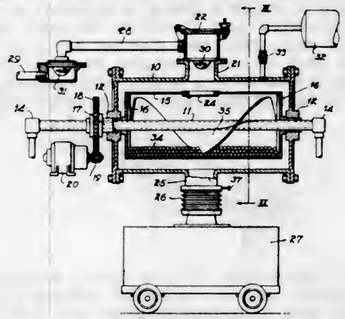
2,272,628
TAPE DISPENSER
Frank A. Anderson, Chicago, Ill.
Application June 14, 1941, Serial No. 398,017
7 Claims. (Cl. 30—126)



1. In combination, a base having an opening for tape, an arm pivoted on the frame and having a tape-cutting blade at its extremity, said blade being arranged at an angle to said arm, whereby when said arm is in vertical or operating position said blade is in a substantially horizontal position.

2,272,629
METALLIC PIGMENT
Furman C. Arthur, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1939, Serial No. 302,682
7 Claims. (Cl. 106—290)

1. A method for producing metallic pigments in dry powder form having high covering power, the steps comprising subjecting a sludge of metallic powder and volatile liquid to a temperature sufficient to vaporize and drive off the volatile portion of the sludge, while simultaneously subjecting the sludge and dry metallic powder thus



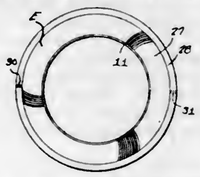
produced to the action of impact bodies to substantially eliminate agglomerates and burnish the dry metallic powder.

2,272,630
CLAMP CONNECTOR
Stephen P. Becker, Poughkeepsie, N. Y.
Application March 24, 1939, Serial No. 263,952
10 Claims. (Cl. 24—263)



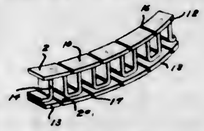
1. A clamp connector, comprising a body jaw, a slide jaw, a slide of substantially elliptical cross section integral with said slide jaw and extending toward said body jaw, a body integral with said body jaw, complemental to and snugly embracing said slide over the major portion of its length, and means cooperating between said slide and said body operable to draw the slide jaw and body jaw toward each other and to telescope the slide into the body, thereby to clamp wires between said jaws.

2,272,631
PISTON RING AND EXPANDER
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application September 6, 1939, Serial No. 293,546
6 Claims. (Cl. 309—45)



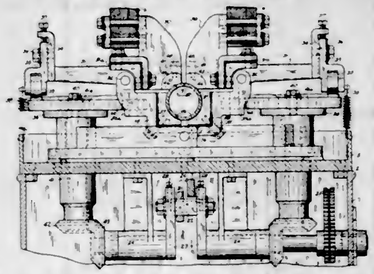
1. A piston ring assembly comprising in combination a plurality of split piston rings mounted one above the other, the gaps of said rings being out of vertical alignment, an expander ring located around the inner periphery of said split rings, said expander comprising a plurality of resilient elements secured together along one side and bent over upon one another in a spiralled manner, said expander engaging in said split rings in a compressed state and being of a height substantially equal to the combined height of the said split rings thereby to uniformly expand each of said rings.

2,272,632
PISTON RING CONSTRUCTION
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application April 29, 1940, Serial No. 332,219
4 Claims. (Cl. 309—45)



4. As an article of manufacture a piston ring comprising a flexible supporting ring formed from a strip of resilient sheet material reversely folded to present upper and lower bent portions and spaced-apart connecting web portions, upper and lower annular rows of segments of a different piston ring material, said segments being separately attached throughout a portion only of their circumferential width to the bent portions, said segments being of a thickness greater than the bent portions and extending radially beyond the bent portions and web portions to form projecting edges for metering oil on a cylinder wall.

2,272,633
ELECTRIC TUBE WELDING APPARATUS
John B. Borgadt, East Cleveland, Ohio
Application September 2, 1939, Serial No. 293,265
19 Claims. (Cl. 219—6)

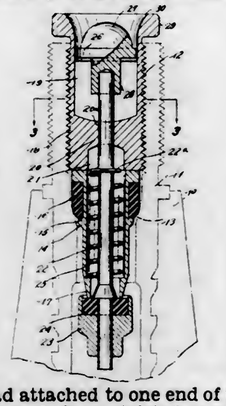


19. In a tubular stock welding apparatus, oppositely spaced upsetting jaws for engaging opposite sides of the stock, means pivotally supporting said jaws for movement into and out of engagement with the stock, contactors pivotally mounted on said jaws respectively with their pivotal axes extending parallel to the pivotal axes of the jaws and for swinging into and out of engagement with the stock, and means for effecting predetermined contact of the contactors and jaws relative to the stock concurrently by swinging the jaws and contactors about their respective pivotal axes concurrently.

2,272,634
VALVE INSIDES
Adelbert E. Bronson, Shaker Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 6, 1939, Serial No. 272,176
8 Claims. (Cl. 277—42)

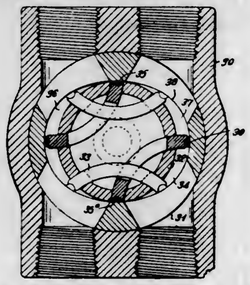
1. A core or valve insides comprising a plug having an outer flanged portion and a portion provided with threads and relatively narrow in thickness as compared with its width, there being an axial opening through said plug, a portion of said opening being restricted, a body portion having a longitudinal opening therethrough, said

body portion at one end being adapted to engage with one end of the plug but being unattached thereto, the opposite end of said body portion being provided with a valve seat, a valve pin, a valve attached to said pin and cooperating with the said valve seat, said valve pin extending through the said openings in the body and plug, a



button or head attached to one end of the pin and positioned beyond the restricted opening in the said plug whereby the plug and body portion are interconnected by said pin, and spring means normally holding the valve to its seat and the button or head in position to provide a closure for the outer portion of the opening in the plug.

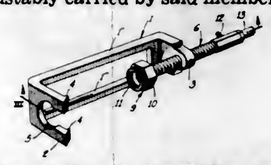
2,272,635
BALANCED ROTARY PUMP
Walwin L. Davis, Avon, Ohio
Application November 3, 1939, Serial No. 302,737
2 Claims. (Cl. 103—135)



1. In a rotary pump, a housing having inlet and outlet passages and a cylinder of generally elliptical contour, a substantially circular piston rotatable in the housing with substantially diametrically opposed sections thereof in contact with the wall of said cylinder, and a plurality of pairs of curved vanes operably mounted in the piston so that opposite edges of each vane continuously engage and follow said contour of the cylinder, the vanes of each pair being arranged in intersecting relation to each other.

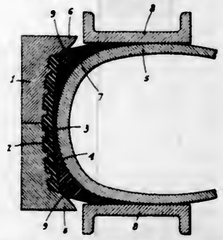
2,272,636
LUBRICATING ATTACHMENT
Harper Lindsay Dennis, Pasadena, Calif.
Application May 28, 1940, Serial No. 337,602
8 Claims. (Cl. 221—47.4)

1. A lubricating device for use with high pressure grease fittings of the nipple type comprising a U-shaped clamping stirrup, one of the arms of said U-shaped stirrup being adapted to engage the body to which a fitting is attached, a member threadedly and movably mounted on the other of said arms, said member being provided with a bore, a conical nipple receiving portion leading to said bore, a sealing and retaining element adjustably carried by said member and con-



tacting the portion of the fitting surrounding said nipple, and a connector carried by said member and in communication with said bore, said connector being provided with means preventing flow of lubricant from said bore through said connector whereby grease under pressure may be introduced into said bore and into a nipple held by said member and clamping stirrup.

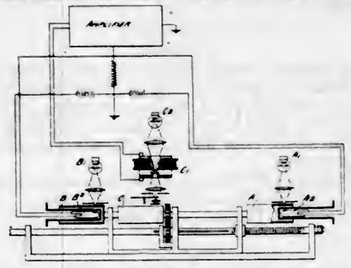
2,272,637
METHOD OF RECAPPING TIRES
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California
Application January 28, 1939, Serial No. 253,358
1 Claim. (Cl. 18—59)



That method of recapping a tire comprising the steps of placing a strip of unvulcanized rubber on the worn tread surface of the tire between the edges of the shoulders of the original tread rubber remaining on said tire, placing a matrix having relatively short flanges over the tread portion of the tire with the flanges overhanging the outer side surfaces of said shoulders only, and extending radially inwardly of the tread engaging surface of the matrix, bulging the carcass of the tire laterally at points between the side walls and tread thereof to bring the side surfaces of the shoulders into tight sealing contact with the overhanging flanges of the matrix, applying pressure within the tire while restraining the side walls from bulging outwardly along areas spaced from the shoulders, and applying heat to the matrix.

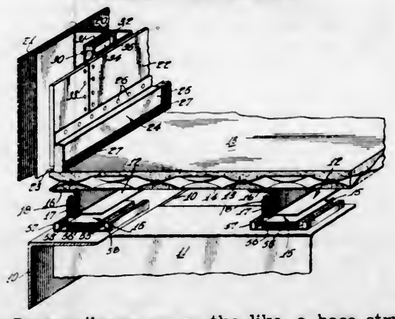
2,272,638
METHOD OF COLOR REPRODUCTION
Arthur C. Hardy, Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application September 4, 1936, Serial No. 99,415, now Patent No. 2,193,722, dated March 12, 1940. Divided and this application March 26, 1938, Serial No. 198,240
4 Claims. (Cl. 178—5.2)

4. The method which comprises taking a plurality color-separation photographs of the same subject, modulating a plurality of electric currents in accordance with the variations in tone of said different color-separation photographs,



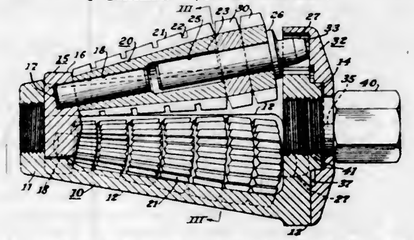
and utilizing all said electric currents to control a single recording device.

2,272,639
VIBRATION ISOLATING MOUNTING
William A. Jack, 3rd, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 26, 1938, Serial No. 198,215
5 Claims. (Cl. 105—422)



1. In a railway car or the like, a base structure, a self-sustaining floor in spaced relation thereto, and means arranged at intervals throughout the area of the floor supporting the floor from the base structure, each said means including a body of vibration-isolating material so arranged that relative movements of the floor and base structure stress said body in shear; an inner car wall having its lower edge spaced from said floor, and resilient, readily-compressible means closing the space between said floor and wall.

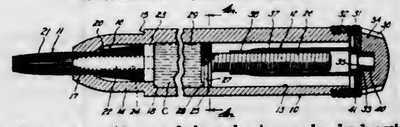
2,272,640
TUBE CLEANING APPARATUS
Paul T. Keebler and Virgil H. Baker, Springfield, Ohio, assignors to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 16, 1940, Serial No. 370,280
9 Claims. (Cl. 15—104.14)



6. In a rotary tube cleaner head having a sup-

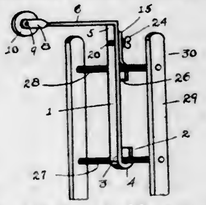
port frame, at least a pair of cutters, each of said cutters having a longitudinal operating axis, a pair of cutter pins extending from opposite ends of one of said cutters and mounting said cutter on the support frame, one of said cutter pins being loosely associated with said first-mentioned cutter and having the other of said cutters operably mounted thereon so that the longitudinal axis of one of said cutters will move in an angular relation to the axis of the other of said cutters.

2,272,641
COSMETIC APPLICATOR
Charles A. Mureau, Los Angeles, Calif.
Application August 4, 1939, Serial No. 288,330
2 Claims. (Cl. 15—137)



1. In a cosmetic applying device, a body having a cosmetic reservoir and an opening of reduced diameter leading from the reservoir to an end of the body, a conical shell arranged in the body with its small end facing and spaced from the opening, a brush tuft set in the shell and extending through the opening to project from said end of the body, the wall of the opening confining and bracing the brush tuft in a zone spaced outwardly from the shell, a tube passed forwardly through the conical shell to extend into the brush tuft to wedge the tuft in the shell and leading outwardly to terminate immediately adjacent said end of the body, and an enlargement on the tube at the inner end of the shell press fitted in the body to mount the tube, brush and shell in the body.

2,272,642
RIDGE WHEEL FOR LADDERS
Trevor N. Owen, Utica, N. Y.
Application June 27, 1940, Serial No. 342,757
3 Claims. (Cl. 228—60)



1. In a ridge wheel for ladders, a member having a hook formed thereon for engaging a rung of the ladder, a clamping member having an elongated recess made therein, a bolt and winged nut for holding said clamping member to said first named member in an adjusted position, whereby said clamping member will cooperate with said hook to hold the device to a ladder, a portion of said first named member bent at right angle thereto, and the ends of said portion being twisted to form bearings for supporting a wheel to aid in moving the device along the roof surface.

2,272,643
TOY CONVERTIBLE AUTOMOBILE-PLANE
Harry Peters, Beverly Hills, and S Theodore Pollak, Alameda, Calif.
Application January 11, 1941, Serial No. 374,096
7 Claims. (Cl. 46—201)

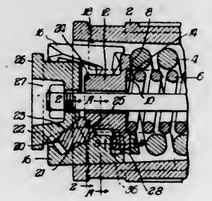
1. A convertible toy automobile-airplane com-

prising an elongated vehicle body provided with a straight flat under side, a pair of front road wheels and a pair of rear road wheels adjacent the rear end of the body and supporting the body for rolling about, a pair of flat plate wings vertically pivoted to the under side of the body adjacent the rear of the front wheels in a manner



to be extended outwardly from the body and fold to an overlapping position flat under and against the body means for retaining the wings so folded, a rudder vane pivoted at the rear of the body to fold through a slot into the body, and a pair of laterally extending elevator vanes at the rear portion of the body vertically pivoted thereto to fold under the body.

2,272,644
DRAFT GEAR
Raymond C. Pierce, Chicago, Ill.
Application May 14, 1940, Serial No. 335,103
18 Claims. (Cl. 213—32)

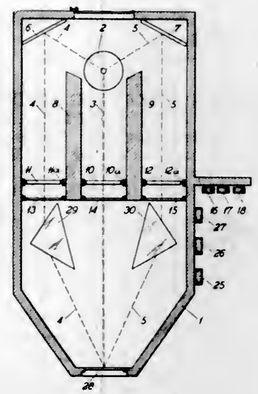


1. In a friction absorbing device, a housing having an open end, a compression spring, and a clutch mechanism seated in said open end, said mechanism comprising inner and outer wedges, said inner wedge being seated against said spring, a plurality of symmetrically arranged friction shoes and thrust means associated with each shoe, said thrust means having diagonal cylindrical face engagement with the associated shoe and diagonal face engagement with each of said wedges, said inner wedge having tapering surfaces engaging complementary faces on each of said shoes, and means on one of said wedges interlocking with each of said shoes to prevent relative rotation thereof.

2,272,645
GEOCHEMICAL PROSPECTING
Esme E. Rosaire, Houston, Tex.
No Drawing. Application November 21, 1941, Serial No. 419,911
5 Claims. (Cl. 23—232)

1. In the method of exploration for petroliferous deposits, the steps of creating a shallow bore hole in the earth's surface, treating the soil within the hole with an acid capable of disintegrating components of the soil to evolve gases, applying a subatmospheric pressure to draw off and collect the evolved gases, and analyzing the collected gases for hydrocarbons and their derivatives.

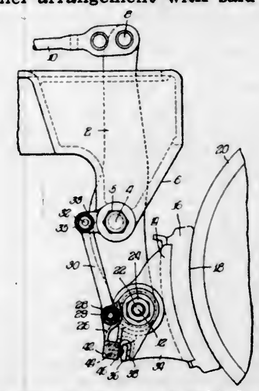
2,272,646
APPARATUS FOR THE PRODUCTION OF PHOTOGRAPHIC PRINTING LIGHT
Gerhard Schmidt and Andreas Schilling, Dessau, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application February 1, 1940, Serial No. 316,712
In Germany February 2, 1939
1 Claim. (Cl. 95—73)



Apparatus for providing printing light which comprises a light source, a printing window, optical means dividing the light emitted by said source into at least two separate beams, additional optical means for directing said beams to said printing window to form a single printing light of controllable spectral composition and intensity, a color filter in the path of at least one of said beams, said filter being adjustable for intercepting any desired proportion of the light rays in the given beam, an adjustable diaphragm in the path of each beam which is filtered, and compensating means coupling said diaphragm with its corresponding filter for decreasing the portion of said beam transmitted by said diaphragm when said filter intercepts a small proportion of said beam and for increasing the portion of the beam transmitted by the diaphragm when the filter intercepts a larger proportion of said beam.

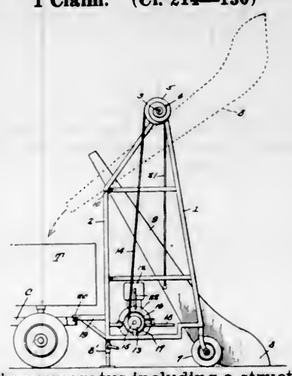
2,272,647
BRAKE LEVER AND BRAKE SHOE
Edward J. Simanek, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 24, 1940, Serial No. 362,632
16 Claims. (Cl. 188—230)

1. In a brake arrangement, a frame member, a supporting wheel and axle assembly, a hanger lever pivotally supported intermediate its ends from said frame member, a brake head supported in the lower end of said lever with a brake shoe arranged for frictional engagement with the periphery of said wheel, a friction arm secured against said head at its point of support, interengaging means between said head and said arm limiting relative rotation thereof, and an auxiliary hanger connected in substantially parallel arrangement with said lever be-



tween said friction arm and said frame member.

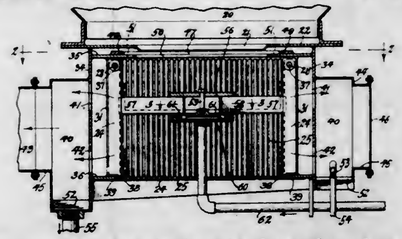
2,272,648
PORTABLE LOADING SCOOP
Vernon Clay Smith, Castroville, Tex.
Application February 17, 1941, Serial No. 379,341
1 Claim. (Cl. 214—130)



A loading apparatus including a structure having supporting wheels at one end and a collapsible support at its other end, a chute normally extended upwardly within and pivotally connected adjacent to its upper end to the structure, a scoop at the lower end of the chute and opening thereinto, said scoop being normally positioned on the structure-supporting surface, in position for engagement with a pile of bulk material, a vehicle, means detachably connecting the rear end of the vehicle to the collapsibly supported end of said structure, said vehicle, when backed, constituting means for transmitting thrust through the structure to the scoop, thereby to force the scoop into the pile of bulk material, and a power unit carried by the structure for swinging the chute about its pivotal connection into position to deliver material downwardly into the vehicle and to elevate the scoop with a load therein.

2,272,649
APPARATUS FOR SEPARATING GRANULAR MATERIALS
Walter E. Smith, Buffalo, N. Y.
Application July 31, 1940, Serial No. 348,810
4 Claims. (Cl. 209—21)

1. An apparatus for separating fine and coarse granular materials, comprising a channel through which a stream of mixed granular materials is adapted to flow downwardly, a plurality of upright separating bars arranged around said channel and supported at their upper ends while the lower ends of said bars are free to move away from and toward said stream, means for supplying said mixed materials to the upper end of said channel, an exhaust chamber which surrounds the outer sides of the bars and which is connected with an exhausting device whereby the stream of materials while descending said channel is drawn laterally outward toward said separating bars and the fine particles in said material are carried through the spaces between said bars and into said exhaust chamber while the coarse particles



continue downwardly in said channel, and means for supporting said bars including a frame having an upright side wall arranged around the outer side of said bars, an upper horizontal flange projecting inwardly from the upper edge of said wall over the upper ends of said bars, a lower horizontal flange projecting inwardly from the lower edge of said wall underneath the lower ends of said bars, comparatively short horizontal supporting rods passing through the upper ends of some of said bars and each engaging its opposite ends with parts of said frame, and comparatively long horizontal supporting rods passing through the upper ends of others of said bars and across the respective ends of said short supporting rods and engaging with adjacent parts of said frame.

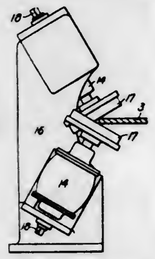
2,272,650
FLUID SEAL FOR DIRECT INSERTION BETWEEN RELATIVELY MOVING MACHINE PARTS
Ernst von Veh, Weinheim, Baden, Germany, assignor to Carl Freudenberg G. m. b. H., Weinheim, Baden, Germany, a German society
Application July 28, 1936, Serial No. 93,106
In Germany February 21, 1936
1 Claim. (Cl. 288—2)



As an article of manufacture, a fluid seal adapted for insertion under peripheral tension to establish a self-sustaining leak-tight anchorage against a shaft which projects through a circular opening comprising a rigid continuous circular ring, said ring having an axial portion extending parallel to said shaft but spaced therefrom and a radial portion adjacent said axial portion and extending outward, a body portion of pliant moldable material molded around said ring, said material which lies between the periphery of said shaft and the inner periphery of said body portion being of substantially equal thickness whereby the peripheral compression thereof

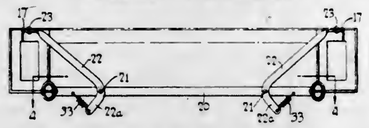
will support said ring substantially concentric with said shaft, and a depending pliant lip portion formed integral with and joined to said body portion near the outer periphery of the radial portion of said ring, said lip portion extending into sealing contact with said opening.

2,272,651
APPARATUS FOR PRODUCING GROUND AND POLISHED GLASS STRIP
Frederic Barnes Waldron, Prescot, and James Harris Griffin, St. Helens, England, assignors to Pilkington Brothers Limited, Liverpool, England, a British company
Application March 13, 1939, Serial No. 261,538
In Great Britain March 31, 1938
3 Claims. (Cl. 51—110)



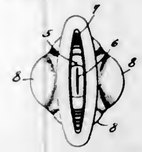
1. In an apparatus for grinding and then polishing a strip of glass comprising a series of rotating disc grinding tools arranged in advance of a series of rotating disc polishing tools operating on and supporting the lower surface of the strip and similar series of rotating disc grinding and polishing tools operating on the upper surface of the strip, each tool being opposite to a lower tool, and pairs of rollers adapted to grip the strip and drive it between the tools, the combination of face grinding wheels for grinding the edges of the strip, arranged in advance of the first polishing tool of the series, the operative face of each wheel being in a plane making an angle less than 35 degrees with the plane of the strip, supports for the face grinding wheels, and adjusting means on the supports to adjust the position of the wheels relatively to the strip, each face grinding wheel being arranged to contact with the edge of the strip along a line extending beneath the level of the surface of the finished strip.

2,272,652
BED SPRING
Louis J. Wiener, Brooklyn, N. Y.
Application July 28, 1939, Serial No. 286,978
5 Claims. (Cl. 5—228)



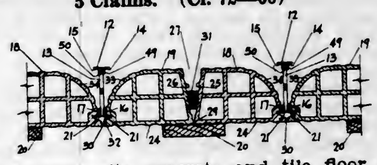
1. In a bed spring employing cables or links to form a flat horizontal supporting surface, a pair of spaced longitudinal lower rigid supports running lengthwise of said bed spring, a pair of transverse members interconnecting opposite ends of said supports to form a substantially rectangular shaped lower supporting frame, said transverse members having integral flat leg portions at the ends of said bed spring which are disposed substantially in the plane of said flat surface, a pair of rigid longitudinal rails parallel to said lower longitudinal supports, said rails being of inverted L-shaped cross-sectional contour, one leg of said rail being horizontally disposed in substantially the plane of said flat surface and the other leg of said rail being vertically disposed to define a side edge of said bed spring, a plurality of longitudinally arranged parallel helical springs disposed substantially in the plane of said flat surface and interconnecting said flat surface and said rigid rails with the flat leg portions of said transverse members, helical springs interconnecting the ends of said rigid rails with said flat leg portions of said transverse members, said last named springs sloping away from the center of said bed, members interconnecting said flat supporting surface with said rigid rails, and means for preventing undue sagging of said cables or links and said rails, said means comprising a rigid member perpendicularly disposed with respect to said lower longitudinal supports and rigidly attached therebetween, a pair of links, each link being pivotally mounted on said last named rigid member adjacent opposite ends thereof, said pivot points being spaced inwardly of said rigid rails, the upper end of each of said links being rigidly attached to one of said rigid rails, the other ends of said links projecting downwardly and outwardly of said pivot points, and a spring interconnecting the other end of each of said links with said perpendicular member at a point spaced outwardly from said pivot points.

2,272,653
SELF-SEALING CAP
Alton M. Andrews, Modesto, Calif.
Application June 10, 1940, Serial No. 339,823
1 Claim. (Cl. 221—60)



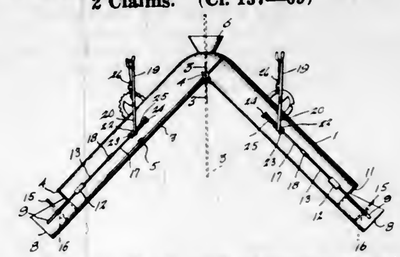
The combination with the neck of a container, said neck having an outlet opening, of a self-sealing cap of resilient material having a recess in one end for receiving the neck of the container, the other end of the cap being dome-like and having a slit, there being an opening in the cap leading from the recess to the slit and of greater diameter at the recess than the opening in said neck, the recessed end of the cap being elliptical with its long dimension in a plane extending longitudinally of the slit, said cap providing walls for the opening which converge along curved lines to the sides of the slit, said converging walls cooperating with the outer surface of the cap at the sides of the slit to define opposed edges positioned to close together when opposed portions of the cap are pressed toward each other at the slit, those portions of the cap wall between the sides of the slit and the recessed end being thickened whereby said wall is stiffened to transmit thrust to the sides of the slit from the corresponding sides of the recessed end when said end is spread laterally from normal elliptical shape, those portions of the cap wall between the ends of the slit and the recessed base being thickened, whereby said portions are stiffened to transmit a pulling force to the ends of the slit to elongate the slit when the recessed end is spread laterally from normal elliptical shape.

2,272,654
SLAB FLOORING
Theodore Barbato, White Plains, N. Y.
Application August 10, 1939, Serial No. 289,351
5 Claims. (Cl. 72—66)



5. A composite concrete and tile floor slab, comprising a system of multiple-tile, permanent-load sustaining arches, and a system of reinforced concrete ribs, the arches being spaced apart, end from end, in rows, each row constituting a succession of spans, and the concrete ribs being fills which lie between and which bond one to another the opposed ends of the arches in the several rows; the reinforcements for the concrete ribs comprising open-work webs set upright in the plane of the slab, and bars secured to and projecting laterally from the webs serving as seats for the ends of the arches, said bars being imbedded in the concrete above the base of the fills for service as true tension members therein; the several tiles which make up each multiple-tile arch being of shape and size to permit of independent manipulation thereof for seating the tiles upon the bars, after the reinforcements have been positioned, and without movement of the tiles end-wise of the bars, and concrete fills between the several tiles of a multiple-tile arch for locking the same against displacement, said last-mentioned fills being permanent-load sustaining concrete ribs.

2,272,655
VALVE
Rudolph G. Briese, Hillman, Minn.
Application May 24, 1941, Serial No. 395,106
2 Claims. (Cl. 137—69)



1. A device of the class described comprising a pipe, a substantially trough-shaped guard on an end of the pipe communicating therewith, said guard having longitudinal slots in its side walls, a substantially U-shaped rod slidable on the pipe and operable in the slots, a valve pivotally mounted on the bight portion of said rod and operable in the guard for closing the end of the pipe, a hand lever mounted on the pipe, and means operatively connecting the rod to the hand lever for actuation thereby.

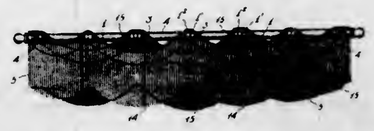
2,272,656
CURTAIN
Thomas F. Byron, Cleveland, Ohio
Application July 6, 1940, Serial No. 344,240
6 Claims. (Cl. 156—33)

4. A non-sagging curtain comprising a sheer curtain body formed for dependent supporting adjacent one end and having side hems, the opposite curtain end being formed with an upturned hem forming front and back hem walls,



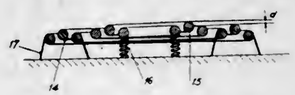
the pocket formed between said walls being open-ended, and detachable weights for effecting the perpendicular relatively even hanging of all parallel lengthwise sections of the curtain secured to said curtain rod within said pocket.

2,272,657
VALANCE
Thomas F. Byron, Cleveland, Ohio
Application March 6, 1941, Serial No. 382,047
5 Claims. (Cl. 156—10)



1. A valance comprising a continuous series of closely-adjacent depending readily flexible fabric strands, transverse stitching flexibly tying the strands together adjacent their upper ends, lower transverse stitching flexibly tying the strands together, the individual strands between the two lines of stitching being amenable to offsetting forwardly and rearwardly to form spaced loops at selective positions for the accommodation of a transverse supporting member.

2,272,658
ELECTRIC HEATING PLATE
Etienne Challet, Paris, France, assignor of one-fourth to "Enterprises Electriques Fribourgeoises," Fribourg, Switzerland
Application October 29, 1938, Serial No. 237,733
In Switzerland November 4, 1937
3 Claims. (Cl. 219—37)

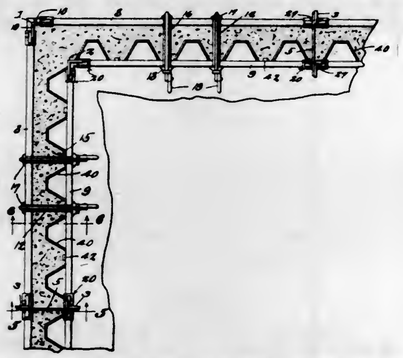


1. An electric heating plate comprising a plurality of concentric parts, means permitting said parts to move relative to one another to insure a shape-conforming engagement with the bottom of a vessel placed on said plate and each of said concentric parts constituting a plurality of tori forming a set of tori having a cross section defining a convex upper envelope curve.

2,272,659
WALL MOLD
Dennis W. Daley, Parkersburg, W. Va.
Application February 1, 1940, Serial No. 316,825
5 Claims. (Cl. 25—131)

1. In a wall mold, a post, a moldboard, a U-shaped hanger receiving one end of the moldboard, and comprising upper and lower flanges between which the moldboard is included, the upper flange having a slot in its edge, receiving

one edge portion of the post, there being a lug on the upper flange, and a retainer insertible



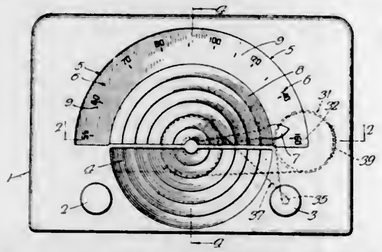
between the lug and the edge portion of the post.

2,272,660

TUNING INDICATOR

Kurt Emde, Itasca, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois

Application February 24, 1941, Serial No. 380,339
5 Claims. (Cl. 250—14)



1. In tunable radio apparatus, a casing, a wall comprised in said casing provided with a speaker grille and an adjoining tuning indicator view opening, a chassis within said casing, a speaker fixed upon said chassis directly back of the speaker grille in said wall, a tuning scale supported upon said chassis in position to be viewed through the tuning indicator view opening in said wall, movable indicating means mounted upon said chassis in front of said speaker and extending to traverse said scale upon movement thereof, said indicating means being partially concealed by the speaker grille in said wall and partially exposed to be viewable with said scale through the tuning indicator view opening in said wall, tuning means fixed upon said chassis apart from said speaker, and manually adjustable means operatively connected with said tuning means and with said indicating means acting upon adjustment thereof to effect the adjustment of said tuning means and indicate such adjustment by the positioning of said indicating means with respect to said tuning scale.

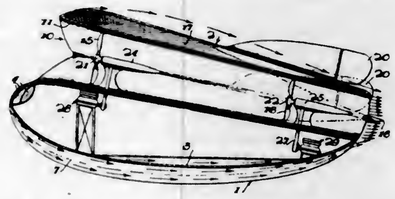
2,272,661

AEROMARINE BOAT

Thomas M. Finley, Irondale, Mo.

Application December 22, 1938, Serial No. 247,259
11 Claims. (Cl. 114—66.5)

5. An aeromarine boat including a substantially cradle-shaped hull having its bottom curved longitudinally from one end to the other and presenting a substantially convex lower surface and provided throughout the entire length thereof with a plurality of smooth unobstructed longitudinal channels having walls constituting keel elements and extending from one end of the curved bottom to the other, and an airfoil consisting of a single continuous airplane body extending longitudinally of the boat from the bow portion to the stern portion thereof and projecting laterally beyond opposite sides of the boat and presenting at each side of the boat a lower



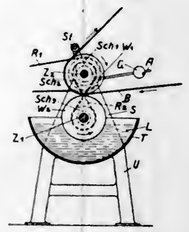
lifting surface, said airfoil being substantially prolate spheroid in cross section and provided with a longitudinal opening extending the entire length of the airfoil with its axis in the vertical median plane of the boat, said opening functioning as a propeller receiving tunnel, and a propeller operating in the longitudinal opening, the slip stream of the propeller being expelled from the rear end of the opening with a rocket thrust and tending to draw air to it from above and below the boat and increasing the length of the normal vacuum above the front portion of the airfoil and causing the air to pass entirely through the channels.

2,272,662

PROCESS AND APPARATUS FOR THE PRODUCTION OF AN EXTREMELY THIN FILM OF CELLULOSE ESTER OR THE LIKE

Alfred Fischl, Dresden, Germany

Application November 3, 1936, Serial No. 109,046
In Germany November 13, 1935
4 Claims. (Cl. 18—57)



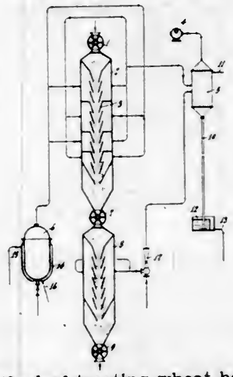
1. A process for the production of thin films of cellulose esters or the like comprising applying a thin solution of a cellulose ester upon a smooth support which is insensitive to the solvent of the said solution, by the contact with the said support of a hard recessed surface carrying the solution in finely divided and evenly distributed equal quantities, then allowing the individual quantities thus deposited on said support to coalesce to form a uniform layer, rolling said individual quantities to aid the coalescing thereof, and then removing said layer from said support.

2,272,663

METHOD OF PRETREATING CEREALS

Hermann Graumann, Santpoort, Netherlands, assignor to Wessanen's Koninklijke Fabrieken N. V., Wormerveer, Netherlands, a corporation of the Netherlands

Application March 24, 1939, Serial No. 264,017
In Germany April 2, 1938
2 Claims. (Cl. 83—28)



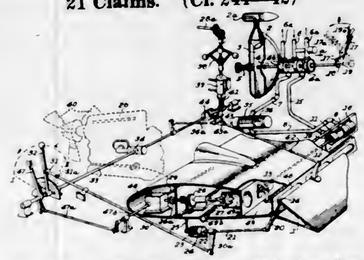
1. A method of treating wheat berries prior to milling for the purpose of weakening the enzymes and other active substances in the outer portions of the wheat, which comprises introducing unmoistened grain at a temperature of 50° F. to 68° F. into a closed chamber, treating the wheat for a period of a few minutes to a constant quality stream of saturated steam at its reduced pressure and of a temperature of 130° F. to 160° F., and controlling the flow of the steam during this short treatment period by a constant supply of fresh steam and constant evacuation of exhaust steam in such a manner that only sufficient steam is passed through the chamber as to raise the temperature of approximately one-fifth of the weight of the charge to a temperature approximately equal to that of the steam stream, whereby the aforesaid enzymes and other active substances in the outer portion of the wheat berry are weakened without shortening the gluten, attacking the starch or substantially increasing the moisture content.

2,272,664

FLAP CONTROL

Hans Gropler, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany

Application July 28, 1939, Serial No. 287,149
In Germany August 1, 1938
21 Claims. (Cl. 244—42)



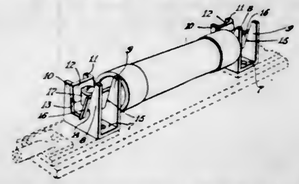
1. An arrangement of the character described comprising a movable flap, a wing formed with a slot so positioned as to be opened and closed by movement of said flap, means for moving the flap, an air pumping device for exhausting air through said slot from the skin layer adjacent a portion of an airplane, a motor, disengageable driving means for operating the pumping device therefrom, and means for engaging and disengaging the driving means by movement of the flap to slot closing position.

2,272,665

ELECTRIC FUSE CLAMP

Herman J. Hammerly, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application May 31, 1941, Serial No. 395,947
13 Claims. (Cl. 200—134)



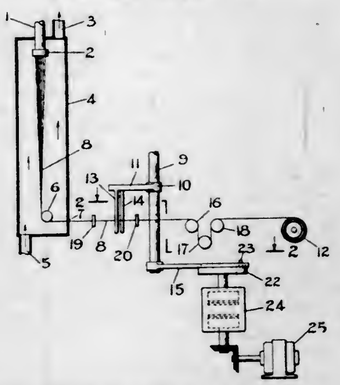
1. A fuse clamp formed of sheet metal and having four posts spaced apart in pairs with a bridging wall between two of the posts and a wedging clamp adapted to be forced between said bridging wall and the blade of a protective device whose ends are supported on the oppositely disposed posts.

2,272,666

PROCESS OF DRY SPINNING ARTIFICIAL THREAD

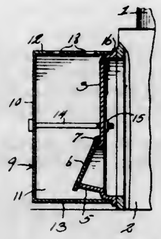
Robert M. Hoffman, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 23, 1937, Serial No. 170,617
7 Claims. (Cl. 18—54)



1. The method of forming variable denier cellulose derivative yarn comprising extruding a cellulose derivative solution into a gaseous evaporating medium traveling in a direction countercurrent to the direction of extrusion throughout the region wherein the yarn is in a plastic state, and withdrawing said yarn through said gaseous evaporating medium at a speed varying at times greater than the speed of extrusion thereby imparting abrupt variations in denier along the length of said yarn.

2,272,667
DRAFT DOOR GUARD
Oliver W. Holttum, Entiat, Wash.
Application December 23, 1940, Serial No. 371,451
1 Claim. (Cl. 110—173)



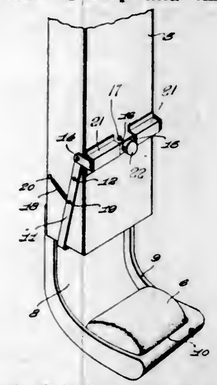
The combination with a movable ash pit door having an edge provided with an encircling laterally extending flange and an outswinging draft door, of a housing having a front wall, and side, top and bottom walls, the housing being open on the side opposite from the front wall and receiving therein the major part of the ash pit door by which the open side of the housing is closed, the side, top and bottom walls extending across the periphery of the door and bearing against said flange, said side, top and bottom walls being of substantial width whereby said draft door may freely swing outwardly into the housing for discharge of fire and ashes into the housing, the housing being secured to the ash pit door to swing therewith, and said top wall only having air admission openings therein.

2,272,668
PARTIAL PHOSPHORIC ESTERS AND PROCESS FOR PREPARING SAME
Herbert Hönel, Detroit, Mich., assignor, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware
No Drawing. Application November 10, 1939, Serial No. 303,917. In Germany February 10, 1939
15 Claims. (Cl. 260—403)

1. The process of producing resinous products which comprises interacting phosphorus pentoxide with organic polyhydroxy compounds in a proportion corresponding to at least 2 hydroxy groups but not substantially more than 3 hydroxy-groups per each molecule of the phosphorus pentoxide, in which process compounds having tertiary alcoholic groups are excluded.

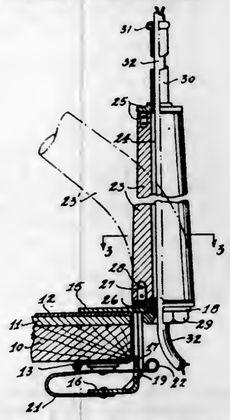
2,272,669
SOAP DISPENSING APPARATUS
Benjamin F. Johnson, Hummelstown, Pa.
Application May 16, 1941, Serial No. 393,814
8 Claims. (Cl. 312—70)

1. A device of the class described including a magazine adapted to contain cakes of soap, a substantially U-shaped cut-off bail pivotally mounted on the magazine and having its closed portion normally extending across the bottom of the magazine for preventing the discharge of cakes of soap therefrom, and a manually operable member pivotally connected with the cut-off bail and adapted when pressed inwardly to engage one cake of soap and simultaneously



actuate the cut-off bail to permit the discharge of another cake of soap from said magazine.

2,272,670
CORD STANCHION FOR ELECTRIC SADIRONS
Udo K. Johannsen and Louis Ilmer, Cortland, N. Y., assignors to two-fifths to said Johannsen and three-fifths to said Ilmer
Application February 8, 1940, Serial No. 318,010
6 Claims. (Cl. 248—51)

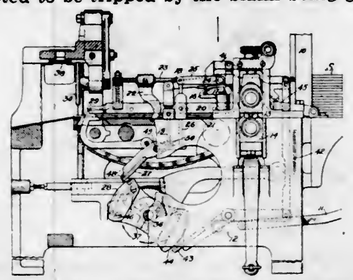


2. In an electrical appliance to which energizing current is supplied through a suspended conductor cord, a rigidly supported cord holder assembly comprising a laterally resilient unitary stanchion of vulcanized plastic moulded about a length portion of said cord into a longitudinally tapered configuration terminating in a gooseneck tip and the base end region of which stanchion is provided with anchoring means embedded in said plastic serving to retain the stanchion in a normally erect position with respect to the support thereof, said cord being resiliently suspended from said tip.

2,272,671
GRADING MACHINE
James W. Johnston, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application December 14, 1939, Serial No. 309,112
18 Claims. (Cl. 101—43)

1. A grading machine comprising measuring

means, adjustable grading means, transmitting mechanism by which determinations of the measuring means are transmitted to the grading means, and two controlling mechanisms associated with the grading means each controlling mechanism including a blank engaging means adapted to be tripped by the blank being graded

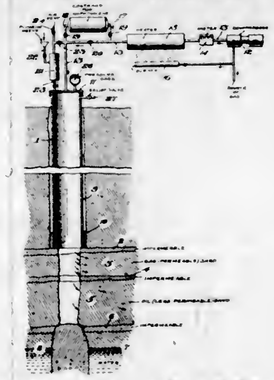


during the passage through the measuring means of different areas of the blank to render the grading means effective and one of said mechanisms including means for rendering it inoperative during its measurement of that portion of the area so measured which is of less than a predetermined thickness.

2,272,672
WATER FLOODING OF OIL FIELDS
Harvey T. Kennedy, Forest Hills, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 23, 1936, Serial No. 70,542
6 Claims. (Cl. 166—21)

1. In a water flooding process wherein water is injected into porous strata of various permeabilities surrounding an input well and water and oil are removed from a production well, the process which comprises injecting into the said input well in solution at least one substance which reacts with at least one component of the porous strata to form a plugging precipitate partially obstructing the pores thereof in the portions of the strata adjacent the input well, and resuming injection of water into the input well.

2,272,673
GAS REPRESSURING OF OIL FIELDS
Harvey T. Kennedy, Forest Hills, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 24, 1936, Serial No. 70,693
7 Claims. (Cl. 166—21)



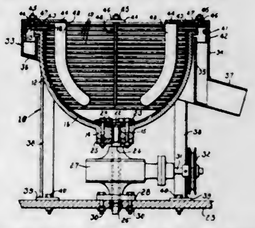
3. A process for recovering oil from wells extending into subterranean strata of different permeabilities, at least one of which contains oil, which comprises the steps of establishing and maintaining an output well and an input well spaced therefrom, forcing gas down the input well to drive oil toward the output well, and injecting into the input well and into said strata a temporarily fluid, pore-penetrating sealing agent which fluid in the course of time yields a dislodgment-resisting seal in the pores of the rock, the amount of said agent injected being limited such as only partially to obstruct the strata, and resuming injection of the gas into the input well; whereby the ratio of oil to gas produced at the output well is increased.

2,272,674
SAFETY CLASP
Otto J. Kehr, Upper Darby, Pa.
Application April 16, 1940, Serial No. 329,955
8 Claims. (Cl. 24—12)



4. A safety securing means for a necktie clasp having a relatively long front arm and a rear arm connected at one end with an end of the front arm, the arms being resiliently coupled and having their unconnected ends in separable contact to receive a body of material therebetween, comprising an elongated strip extending lengthwise of said rear arm, means supporting said strip for limited longitudinal movement on the rear arm, a pin member resiliently supported on the rear arm and having a pointed end directed transversely of the arms, means for effecting the longitudinal shifting of said strip, and means carried by the strip against which an end of said pin contacts when the strip is moved in one direction to effect lateral flexing of the pin support and the movement of the pin transversely of the arms and into the material disposed between the arms.

2,272,675
CENTRIFUGAL SEPARATOR
George M. Knudsen, Redlands, Calif.
Application March 11, 1940, Serial No. 323,331
6 Claims. (Cl. 233—27)

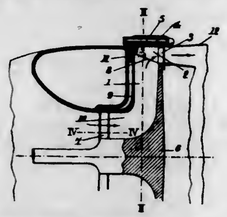


5. In a centrifugal separator, a hollow shaft, a substantially hemispherical bowl member mounted on and communicating with said hollow shaft, a riffle member within said bowl member and conforming thereto, said riffle member including a plurality of flexible inner annular ribs, and means adjacent to the axis of the bowl for securing the riffle member to the bowl, the riffle member being elsewhere free from attachment to the bowl.

2,272,676
CONTINUOUS FLOW GAS TURBINE
René Leduc, Le Vesinet, France
Application December 23, 1938, Serial No. 247,499
1 Claim. (Cl. 60—41)

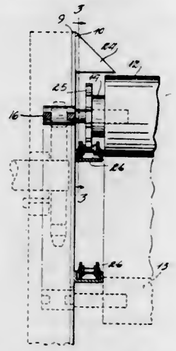
A gas turbine comprising a shaft, a pair of

spaced elements mounted upon said shaft, walls extending between said elements located in planes extending through the longitudinal axis of said shaft to form divergent movable compression nozzles, one of said elements having an opening therein located adjacent said shaft to form with said walls entrance orifices for said compression nozzles located nearer said shaft than the exit orifices of said compression nozzles, a single stage of expansion blades mounted upon the peripheral portion of the other of said ele-



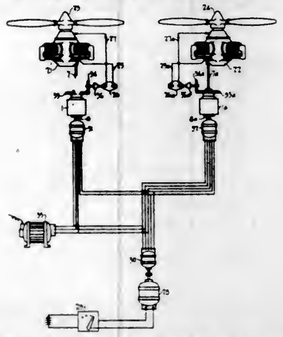
ments, a fixed wall concentric with said shaft cooperating with said blades to form expansion nozzles, said fixed wall extending over the exit orifices of said compression nozzles to form a combustion chamber located between said exit orifices of said compression nozzles and the entrance orifices of said expansion nozzles, burners located in said combustion chamber and means for leading fuel to said burners, said fixed wall being provided with an annular groove and said element which has an opening therein having its peripheral portion extending into said groove.

2,272,677
CONVEYER FOR FRUIT AND VEGETABLES
Wallace E. Meneray and John G. Tew, Lakeland, Fla.
Application March 22, 1940, Serial No. 325,430
2 Claims. (Cl. 198—183)



1. A conveyer for use with a washer and drier for fruit and vegetables comprising a frame, side rails on the frame having cushioned surfaces, conveyer chains mounted for movement longitudinally of the frame, one of which is on each side of the frame, jacketed rollers rotatably mounted on the conveyer chains, the upper run of the said conveyer chains being approximately parallel with the lower edges of the side rails, freely rotatable rollers on the said conveyer chains, one of which is interposed between each two jacketed rollers, sprockets on the jacketed rollers, a sprocket chain engaging said sprockets, and means for independently driving the chain.

2,272,678
SPEED CONTROL MECHANISM
Donald W. Morris and Alfred G. Cattaneo, Berkeley, Calif.
Application May 29, 1940, Serial No. 337,802
1 Claim. (Cl. 170—135.6)

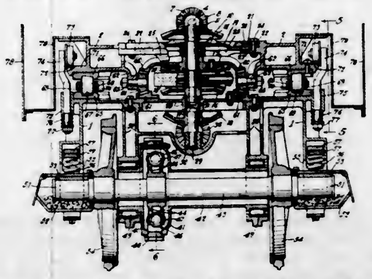


Apparatus for synchronizing the operating speeds of a plurality of aircraft engines driving variable pitch propellers and including separate hydraulic motor means adapted to modify the pitch of said propellers individually, comprising a rotary valve in connection with each of said hydraulic pitch-changing motors, said rotary valves being arranged and adapted to control the liquid flow to said hydraulic pitch-changing motors and thereby control the pitch of said variable pitch propellers, conduit means between said rotary valves and their respective hydraulic pitch-changing motors, a differential unit in conjunction with each of said rotary valves, said differential units comprising in each instance a first and second driven element, idler elements connecting said driven elements and a member carried by said idler elements rotatable about the axis of said driven elements, driving means connecting said engines and said first driven elements of said differential units, power means arranged and adapted to rotate said second driven elements of said differential units in synchronism and in the reverse direction to the rotation imparted to said first driven elements, a ring gear mounted on each of said idler carried members, a rotatable actuating element in conjunction with each of said rotary valves, a pinion gear attached to each of said actuating elements, said pinion gears enmeshing their respective conjunctively disposed ring gears, a friction clutch mounted in each of said actuating elements between said pinion gears and said rotary valves, said ring gears being arranged and adapted to adjust the rotative disposition of their respective enmeshing pinion gears in accordance with the axial disposition of said idler carried members with respect to said aforementioned driven elements axes, thereby rotating said actuating elements and controlling the liquid flow through said rotary valves.

2,272,679
RAIL VEHICLE WITH MECHANICALLY DRIVEN SWIVEL TRUCK
Rudolf M. Ostermann, Kenilworth, Ill.
Application July 8, 1939, Serial No. 283,437
8 Claims. (Cl. 105—117)

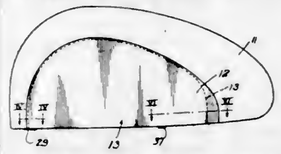
1. In combination with the main frame of a rail vehicle, a truck, driving means on the main frame and a mechanical drive from said driving means to said truck, said drive including a vertical shaft, the truck and frame being joined

about the axis of the said shaft for swiveling movement with respect to each other, the drive including a differential gear including differential pinions mounted to move about the vertical shaft and connections between one of said



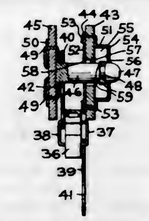
differential gears and the truck wheels whereby the latter are rotated by movement of said differential gear, the other of said differential gears being rotatable by the swiveling movement of the truck.

2,272,680
FENDER SHIELD CONSTRUCTION AND ASSEMBLY
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 11, 1940, Serial No. 323,244
8 Claims. (Cl. 280—153)



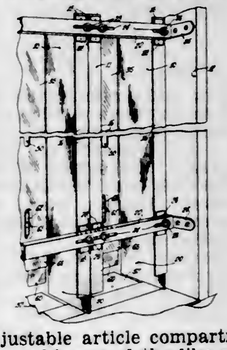
7. A fender having a side wall with a wheel access opening, said fender being formed with a cam surface sloping downwardly and inwardly away from said side wall on the inside thereof at one side of said opening.

2,272,681
STRETCHER
John Rudolph Smith, Jr., Haddonfield, N. J., and Frank De la Rosa, Philadelphia, Pa., assignors to A. Smith & Son, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application December 23, 1939, Serial No. 310,778
2 Claims. (Cl. 24—205)



1. In a device of the type described, a body formed of two sections of fabric, a row of interlocking elements arranged along an edge of each section, a slide for interlocking said elements, a pull for manipulating said slide, said pull having an opening formed therein, a tab secured to each section, said tabs being arranged so that one tab overlies the other tab, a stud fixed to one of said tabs, a member carried by the other tab and engageable with said stud for locking the tabs together, said stud being insertable through the opening in said pull so as to dispose said pull between said tabs and thereby prevent movement of said slide in a direction away from said tabs when the tabs are secured together.

2,272,682
VENDING MACHINE COMPARTMENT STRUCTURE
Joseph W. Srodulski, Chicago, Ill.
Application August 25, 1939, Serial No. 291,962
6 Claims. (Cl. 312—42)

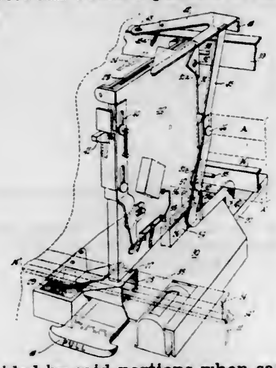


1. An adjustable article compartment for use in vending machines and the like and including a pair of channel members and means mounting the same in vertically spaced horizontally parallel relation with the channel portions thereof facing and lying substantially in the same vertical plane, a pair of side wall plates each having offset portions arranged along corresponding vertical edge portions thereof and each having U-shaped shoe means attached in vertically spaced relation to said offset portions in positions to fit respectively into channel portions of said channel members whereby said side wall plates are mounted in upright position in substantially parallel planes, said channel members being provided with horizontally extensive slot portions, and attaching means extended through each of said slots into one of said U-shaped shoe means to secure the latter in the channel portions for horizontal movement of the same and said plates in the manner aforesaid, means providing a compartment bottom in the region neneath said side wall plates, a back wall member mounted in upright position for movement back and forth between said side wall plates for cooperation with the latter to define a compartment of adjustable size.

2,272,683
VENDING MACHINE
Joseph W. Srodulski, Chicago, Ill.
Application September 29, 1939, Serial No. 297,047
1 Claim. (Cl. 194—97)

In a gang coin control assembly, means providing a mounting base having a coin passage, a coin testing unit removably mounted on said base, said testing unit having a coin exit adapted to be accurately aligned with respect to the coin passage of said base, means for accurately seating said testing unit in coin receiving position on said base including a member on said base providing, together with said base, said coin pas-

sage, and convergently angled portions on said member between which a portion of said testing



unit is guided by said portions when said testing unit is placed in operative relation to said base.

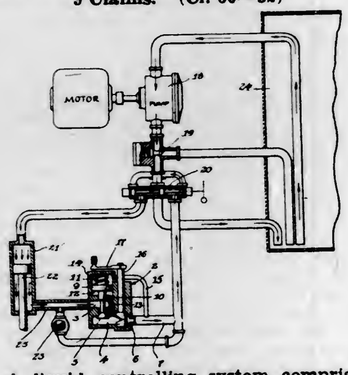
2,272,684

HYDRAULICALLY ACTUATED MEMBER AND SPEED CONTROL THEREFOR

Harry F. Vickers, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Original application June 12, 1931, Serial No. 543,908. Divided and this application March 8, 1939, Serial No. 260,526

9 Claims. (Cl. 60—52)



1. A liquid controlling system comprising in combination a liquid operated motor, a source of liquid under pressure and a speed control device all operatively connected, said device including a control valve having opposed pressure surfaces and a regulable orifice member, said member and valve being operatively connected through a pressure chamber, the pressure in said chamber controlling the flow through the orifice member to control the speed of the motor, said opposed pressure surfaces being unbalanced to maintain a pressure in the pressure chamber in proportion to the unbalancing of said pressure surfaces whereby to increase or decrease the speed of the motor upon a variation in load.

2,272,685

SEPARATOR MEANS FOR USE IN VERTICAL FILING SYSTEMS

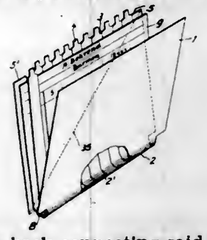
Alfred Volk, Hechingen, Germany

Application December 3, 1938, Serial No. 243,793

In Germany December 4, 1937

19 Claims. (Cl. 129—15)

18. A record card separator means for use in vertical filing systems, comprising a file cover having a front wall and a rear wall, small strips forming individual separator strips, said strips extending over the entire length of said file cover,



an expansible back connecting said front wall to said rear wall, said strips being attached to said back, and means to support the record cards above the expansible back of said file cover.

2,272,686

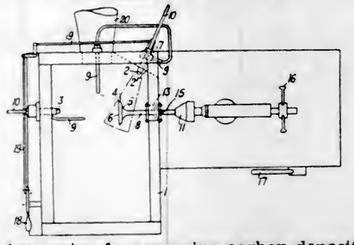
APPARATUS FOR CLEANING VALVES

William McGibbon, Glasgow, Scotland

Application November 2, 1939, Serial No. 302,615

In Great Britain December 12, 1938

3 Claims. (Cl. 51—15)



1. Apparatus for removing carbon deposit from the valves of internal combustion engines, including a casing provided with an aperture through which the stem of a valve to be decarbonised is adapted to project outwardly, a manually rotatable and axially movable chuck mounted externally of said casing for gripping the outer end of the outwardly projecting stem of said valve so as to support the valve during the removal of the carbon deposit, at least two nozzles projecting into said casing and positioned to direct high velocity blasts of shot, grit or other abrasive particles onto the face and neck and onto the crown respectively, of a valve whose valve stem passes outwardly through said aperture and is gripped by said chuck, a swivel mount for one of said nozzles, and manually operable means for swiveling said last named nozzle.

2,272,687

PACKING

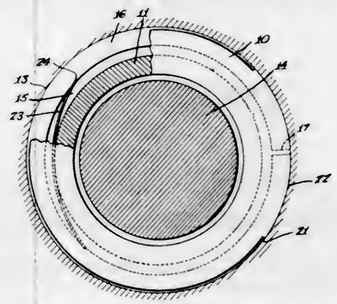
Thomas A. Bowers, Boston, Mass.

Application March 21, 1939, Serial No. 263,216

3 Claims. (Cl. 309—29)

1. A piston ring construction for use in a piston ring groove comprising a sealing ring having a gap therein, a cover member consisting of a solid ring body adapted to seat against the bottom of the said piston groove and shut out gas pressure from the back of the sealing ring when the latter is seated in the groove, said cover member provided with a flange adapted to overlie the sealing ring, said flange being fitted to a side of the sealing ring surface in such relation as to allow the sealing ring to move radially of the

cover and to prevent passage of combustion gases between the flange and the sealing ring, and said flange having a radially projecting edge



extending along a part only of its circumferential length for the purpose of overlying and sealing the gap of the sealing ring.

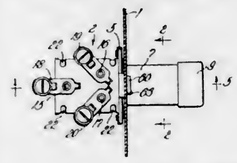
2,272,688

MOUNTING FOR SWITCHES AND THE LIKE

Harold Catron, deceased, late of Logansport, Ind., by Walter Newman, administrator, and Frank A. Dotterer, Logansport, Ind., assignors to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana

Application November 9, 1939, Serial No. 303,606

8 Claims. (Cl. 248—27)



1. The combination of a first member having a pair of lugs, a second member having opening means to receive said lugs and to accommodate rotative movement of said first member to carry said lugs into locking engagement with the second member, and a pronged spring carried by said first member and rotatable therewith, said spring having one part bearing against said second member for maintaining said lugs tightly in engagement with said second member and another part positioned to engage in portions of said opening means when said first part has been turned into locking position.

2,272,689

SAFETY SECRET LOCK

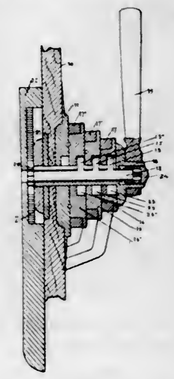
Ezio Falla-Caravino, Milan, Italy

Application May 3, 1938, Serial No. 205,745

In Italy December 31, 1937

2 Claims. (Cl. 70—312)

1. In a safety secret lock of the type comprising a plurality of cylinders carrying code letters or figures, rotatably mounted on a toothed shaft which is longitudinally sliding when the secret combination is set up, an arrangement holding the lock on its supporting member in an inaccessible manner and comprising a tubular member interposed between the said toothed shaft and said cylinders, having a longitudinal slot for the passage of the shaft teeth, an enlarged portion at its outer end abutting against the first cylinder and a flat member screwed on the inner threaded end of said tubular member and adapt-



ed to fasten the supporting member of the lock between itself and the last of said cylinders.

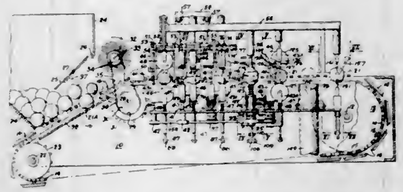
2,272,690

FULL AUTOMATIC ORIENTATOR

Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California

Application June 1, 1938, Serial No. 211,140

8 Claims. (Cl. 198—33)



1. Means for orienting approximately spherical fruit having a stem indent therein which includes a stem indent engaging member shaped to freely enter the stem indent of a fruit, means for supporting a fruit in contact with said member, means for rotating said supporting means and the fruit thereon, and means for discontinuing rotation of the supporting means operating in response to the change in the spacing of the center of rotation of said fruit and said member as when said member enters the stem indent of said fruit.

2,272,691

BARREL ENGINE

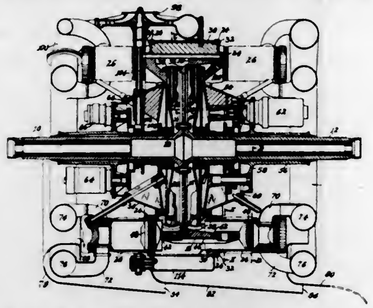
Roland Chilton, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application July 21, 1938, Serial No. 220,453

13 Claims. (Cl. 74—56)

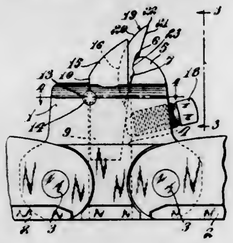
1. An engine including in combination, a power shaft, cylinders disposed around and parallel to said shaft, pistons arranged for reciprocation in said cylinders, a web member secured to said shaft having torsional rigidity, a rim on the member having a track undulating axially of said shaft to comprise a cam, rollers in said pistons straddling said cam track, an engine housing secured rigid with said cylinders, plane tracks on

said rim disposed circumferentially close to said cam tracks and cam thrust means engaging said



plane track and rigidly supported in said housing close to said cylinder securement.

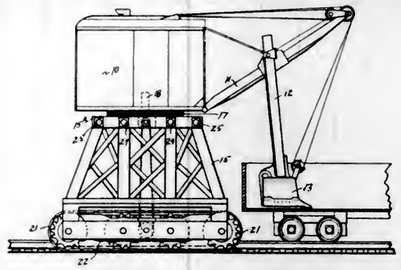
2,272,692
CUTTER CHAIN
William W. Dartnell, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 1, 1938, Serial No. 222,418
Renewed June 7, 1939
5 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block having a socket and a front abutment, a rotatable bit holder mounted in said block socket for pivotal movement relative to the block and having a front bit-receiving socket, means mounted in said block for supporting said holder for pivotal movement while precluding bodily outward movement of said holder with respect to said block, a cutter bit received in said holder socket and engaging said front abutment, and means arranged at the front end of said chain block and engaging said holder for moving the latter about its pivot into clamping engagement with said cutter bit for clamping the latter against said front abutment, said cutter bit having its front face transversely notched and said front abutment having a rearward projection engaging said notch for locking the cutter bit against longitudinal displacement from said holder socket.

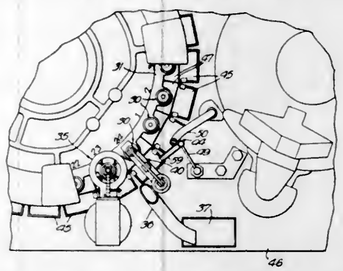
2,272,693
UNDERFRAME FOR POWER SHOVELS
Frank De Jute, Niles, Ohio
Application January 6, 1941, Serial No. 373,259
3 Claims. (Cl. 214—135)

1. The combination of a power shovel including a boom, a dipper stick, and a dipper affixed thereto and an elevated replaceable underframe adapted to support the said power shovel in elevated relation to a supporting surface, said underframe comprising a deck and a pair of relatively tall vertically positioned frame members



positioned one at each side thereof so as to form an elevated underframe.

2,272,694
LAMP MANUFACTURING APPARATUS
Adolph E. Drobish, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 12, 1940, Serial No. 340,028
8 Claims. (Cl. 176—3)

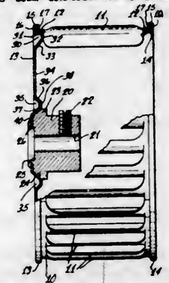


5. In a lamp exhausting and tipping-off machine having a series of heads which are progressively advanced through a series of stations, each head capable of supporting an electric lamp and exhaust tube assembly during evacuating and tipping-off operations, an extractor mechanism at one of said stations for extracting untipped-off lamp assemblies from said heads upon their arrival at said station, a series of receptacles, one associated with and disposed adjacent each head, and guiding means for directing the extracted untipped-off lamp assemblies from said extractor mechanism into the receptacles associated with the respective heads from which said lamp assemblies are extracted.

2,272,695
CENTRIFUGAL BLOWER WHEEL STRUCTURE
Addison W. Evans, Torrington, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application May 18, 1940, Serial No. 335,919
9 Claims. (Cl. 230—134)

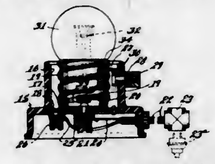
1. In a centrifugal blower wheel, a cylindrical sheet metal body, an end plate, the end plate being provided with an annular instruck portion near its periphery, forming a seat for the body, means located radially outwardly of the seat and securing the body and end plate in assembly, the body having a margin lying in a circular plane, the body blades and margin being so proportioned

that the annular instruck portion on the end plate, provides an abutment for the blade ends,



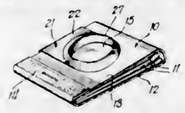
extending radially and inwardly over a substantial portion of the blade depth.

2,272,696
ELECTRIC CIRCUITS
Patrick Foy, Chicago, Ill.
Application November 25, 1938, Serial No. 242,199
3 Claims. (Cl. 201—63)



1. A protective unit for an electric circuit comprising a base, a pair of substantially concentric shells of conductive material mounted on said base and insulated from the same and from each other, one of said shells forming a socket for a resistance unit, a resistance therein, an insulated central contact member for said resistance unit, means for connecting said contact member to the supply wire of a supply line, means on the resistance supporting shell for connecting a conductor to a consuming unit, means on the other shell for connecting the return conductor from said consuming unit, means for connecting the last mentioned shell to the return wire of the supply line and a switch interposed in the return wire.

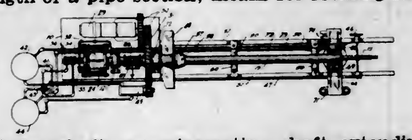
2,272,697
ASH TRAY
John Frei, Jr., Chicago, Ill.
Application October 3, 1938, Serial No. 232,911
3 Claims. (Cl. 206—37)



1. An ash receptacle adapted for attachment to the cover of a match book folder comprising a substantially U-shaped clip having its legs adapted to straddle said cover and bind it therebetween, and an annular bead of inverted V-shape cross-section pressed outwardly from one of said legs and defining an ash tray.

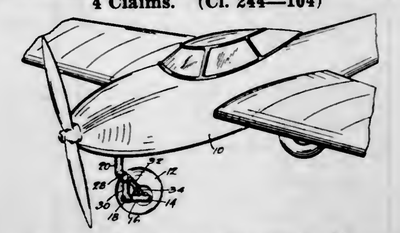
2,272,698
SHEET METAL PIPE MACHINE
Gairald H. Garrett and Horace Jackson, Denver, Colo., assignors to Thompson Mfg. Co., Denver, Colo.
Application March 1, 1940, Serial No. 321,672
13 Claims. (Cl. 113—103)

1. A device for supporting pipe sections in axial alignment with each other for butt welding the contacting ends thereof comprising: a supporting structure; horizontally aligned bearings in said structure; a tubular shaft supported in said bearings and projecting forwardly therefrom a sufficient distance to extend throughout the length of a pipe section; means for rotating said



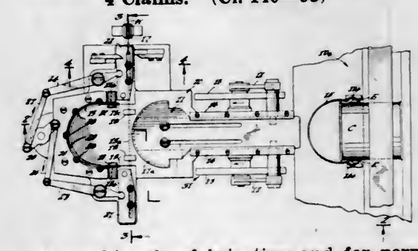
tubular shaft; a reciprocating shaft extending throughout the length of said tubular shaft and projecting beyond the extremities thereof; means for reciprocating said tubular shaft; and an expanding head on the outer extremity of both shafts to be expanded and contracted in consequence of the reciprocation of said reciprocating shaft.

2,272,699
AIRPLANE LANDING GEAR
John N. Gladden, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 9, 1939, Serial No. 308,344
4 Claims. (Cl. 244—104)



1. An airplane having a landing gear comprising, for one end of the airplane, a wheel, a vertical post angularly movable about its axis and mounted in the plane of the wheel ahead of the wheel and provided with an extension rigidly connected to its lower end and arranged at one side of the wheel plane, a horizontal arm pivoted at its forward end to the lower end of the extension and provided at its rear end with means upon which said wheel is rotatably journaled, and an inclined shock absorber connected at its lower end to said arm adjacent its rear end, the upper end of the shock absorber being connected to the upper portion of said extension.

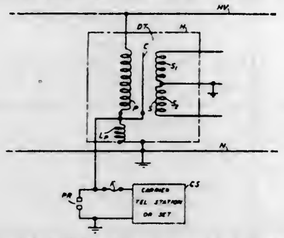
2,272,700
BAIL FABRICATING AND ATTACHING MACHINE
Thomas Gorman, Jr., Newark, N. J.
Application May 17, 1941, Serial No. 393,874
4 Claims. (Cl. 140—93)



1. A machine for fabricating and for perma-

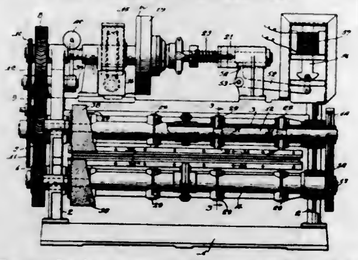
nently securing wire bails to cans, including a male and a female die means for forming wire into bails by the operation of said male die upon the female die means, horizontally and vertically movable die means also included for forming the ends of said bail into hook-like extensions, reciprocally operatable means for expelling the fabricated bail from said machine, and means for inserting the ends of the bail into the ears of the can and for bending said ends inside the ears of the can aforesaid.

2,272,701
ELECTRIC WAVE TRANSMISSION SYSTEM
Oscar D. Grismore, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1940, Serial No. 359,873
4 Claims. (Cl. 179—2.5)



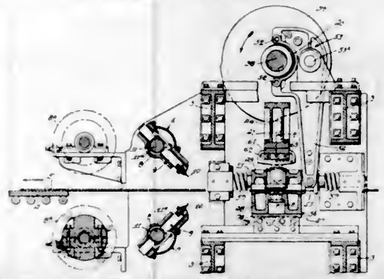
1. In combination, a transmission line for distribution of electric power and for transmission of telephonic signals on carrier wave, a subsidiary line, a power transformer coupling said subsidiary line to said transmission line, said transformer comprising a metallic case containing a magnetic core and a plurality of windings, one of said windings being connected with said transmission line and a second of said windings being connected with said subsidiary line, said core being insulated from said case, and a carrier frequency telephone station coupled to the transmission line, the station coupling means including the transformer winding connected with said transmission line and an inductive impedance for tuning transformer effective capacitances to the carrier wave.

2,272,702
CUTTING MACHINE
Otto P. Haegele, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1940, Serial No. 313,545
20 Claims. (Cl. 164—68)



8. In a plaster web cutting machine, the combination with cutters intermittently operable to cut said web into lengths and score said web lengths into board lengths, of electrically operated means for controlling the intermittent operation of said cutters and including an electrical circuit having a plurality of spaced pairs of switches therein, each pair comprising a normally open and a normally closed switch, said switches being positioned for related operation by said moving web to cause intermittent operation of said cutters to cut said web into lengths and to score said web lengths into predetermined board lengths.

2,272,703
PLASTERBOARD MANUFACTURING MACHINE
Otto P. Haegele, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1940, Serial No. 319,406
25 Claims. (Cl. 164—16)



19. In a plaster board perforating and cutting machine, a cross beam supported adjacent a moving strip of material for movement at right angles thereto, a carriage supported between said beam and said material for movement substantially parallel to said strip of material, a plurality of punches cooperatively and slidably supported by said beam and said carriage, whereby said punches slide relative to said carriage upon movement of said beam and slide relative to said beam upon movement of said carriage, combined punch bearings and stripper plates slidably mounted in said carriage and associated with said punches, means responsive to reciprocation of said punches relative to said carriage for reciprocating said stripper plates in timed relation to said punches, cam means for moving said beam and punches and stripper plates at right angles to said strip of material to cause said stripper plates periodically to engage said material and said punches periodically to perforate said material, means for reciprocating said carriage to move said punches and stripper plates with said material during said engaging and piercing operation, means for alternately cutting and scoring said web between perforations at transverse lines spaced in accordance with standard plaster board lengths, and a positive transmission between said perforating means and said cutting means for synchronizing all of said operations.

2,272,704
METHOD AND APPARATUS FOR MAKING CORRUGATED TUBES
Watson G. Harding, Fair Lawn, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 29, 1940, Serial No. 337,807
14 Claims. (Cl. 18—19)

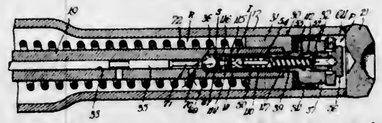
1. The method of making circumferentially corrugated tubes comprising the steps of elongating a circumferentially corrugated mandrel having an external shape conforming substantially to the internal shape of the corrugated tube to be made, inclosing the elongated mandrel within a moldable tube, collapsing the mandrel longitudinally and the tube thereon, treating the tube so as to render it self-supporting as to shape, and removing the tube from the mandrel.

11. The method of making circumferentially corrugated tubes comprising the steps of elongating a circumferentially corrugated mandrel having



ing an external shape conforming substantially to the internal shape of the corrugated tube to be made, inserting an uncured rubber tube within a knitted fabric jacket, placing the tube with the jacket thereon over the elongated mandrel, collapsing the mandrel longitudinally and the tube and jacket thereon so as to corrugate same, elongating the mandrel, removing the tube and jacket therefrom, blowing the tube within a mold and vulcanizing same with the jacket thereon.

2,272,705
GOVERNOR FOR FLUID FLOW
Stephen O. Harlan, Elmhurst, Ill., assignor to Barrett-Cravens Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1940, Serial No. 338,072
17 Claims. (Cl. 188—96)



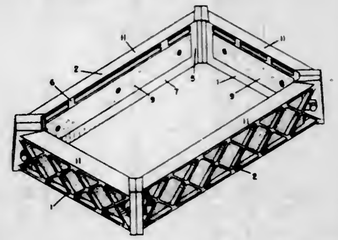
3. In combination, an enclosed fluid containing cylinder, a piston reciprocable therein and provided with a passage to permit the flow of fluid therethrough, and valve means in said passage operative to maintain a uniform flow of fluid therethrough, said valve means comprising a sleeve with an end opening and lateral openings, and a closure element in said sleeve adapted to entirely close said end opening and partially close said lateral openings.

2,272,706
COMPOSITION FOR USE IN RAISED PRINTING AND METHOD OF PREPARATION
A. De Vere Harnett, Racine, Wis.
No Drawing. Application March 26, 1938, Serial No. 198,270
14 Claims. (Cl. 106—173)

4. A printing powder comprising resin which is compatible with ethyl cellulose, ethyl cellulose, a methyl ester of abietic acid, calcium carbonate, and coloring matter.

14. The method of forming a printing composition which comprises the steps of heating resin which is compatible with ethyl cellulose to the melting point and then adding thereto in succession ethyl cellulose and a methyl ester of abietic acid while agitating the mixture, maintaining the mixture in a plastic state and adding thereto powdered calcium carbonate, then adding to the mixture a quantity of zinc stearate, continuing the agitation while allowing the mixture to cool, then pouring the mixture into trays to harden, and then grinding up the hardened product to form a powder.

2,272,707
FOUNDRY JACKET
James F. Hines, Lakewood, Ohio, assignor to Hazel K. Hines, Lakewood, Ohio
Application July 15, 1940, Serial No. 345,561
3 Claims. (Cl. 22—112)



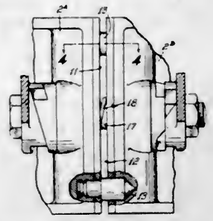
1. A mold jacket wall comprising in combination peripheral margins, a recess in the inner face of said wall defined by said margins, and a panel of fire resistant material in said recess.

2,272,708
FLASK WALL
James F. Hines, Lakewood, Ohio, assignor to Hazel K. Hines, Lakewood, Ohio
Application July 20, 1940, Serial No. 346,627
1 Claim. (Cl. 22—107)



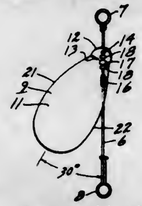
A flask rib having a horizontal directional component, said rib being imposed upon the inner face of a flask wall and having its upper edge junction with the wall substantially flatter than the lower edge junction.

2,272,709
FLASK CORNER
James F. Hines, Lakewood, Ohio, assignor to Hazel K. Hines, Lakewood, Ohio
Application July 20, 1940, Serial No. 346,628
3 Claims. (Cl. 22—107)



1. A snap flask characterized by separable corner constructions including opposed parting edges, said corner constructions comprising in combination interengaging transverse dowels connecting said edges, passages through said corners wherein said dowels are engaged, said passages going through and being contained entirely within the wall thickness of the respective corners, said passages being reduced in size intermediate their ends thereby to limit distance of entrance of said dowels into said passages.

2,272,710
ARTIFICIAL BAIT
Lucious K. Hoover, Birmingham, Ala.
Application April 21, 1941, Serial No. 389,515
1 Claim. (Cl. 43—45)

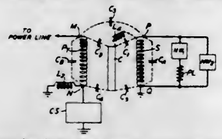


In a fish lure, the combination with a wire shank having a bead formed thereon, of a spinner blade having a substantially oval-shaped body portion, an offset portion projecting at substantially right angles from the forward end of the body portion, means defining an aperture in the offset portion to snugly engage the wire shank at a point above the bead, and means defining an aperture near the side edge of the body portion and adjacent the offset portion to snugly engage the wire shank at a point below the bead.

2,272,711
CATALYTIC DEHYDROGENATION OF TERPENES TO PARA-CYMENE
Washington Hull, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 4, 1939, Serial No. 254,597
6 Claims. (Cl. 260—668)

1. A process of producing p-cymene which comprises passing vapors of a monocyclic terpene at dehydrogenation temperatures over a catalyst containing palladium supported on a carrier having high surface activity.

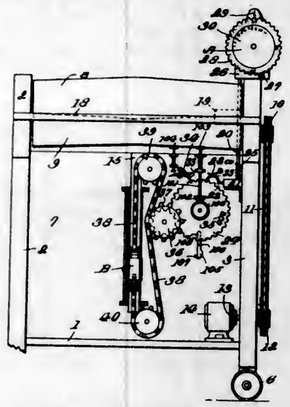
2,272,712
ELECTRIC WAVE TRANSMISSION SYSTEM
Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1940, Serial No. 359,875
5 Claims. (Cl. 178—44)



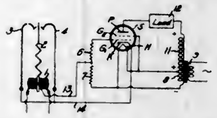
1. A transmission system comprising a transformer designed to transmit low frequency electric power but included in a transmission path for carrier frequency telephonic signals, and means in said transformer to improve its carrier frequency characteristics by compensating for the effect of the effective capacitances in said transformer between its windings and core, said means comprising an inductance coil connected between the core and one of the transformer windings.

2,272,713
SHEET COUNTING MECHANISM
Fred Klink, New Castle, Pa.
Application April 25, 1941, Serial No. 390,407
20 Claims. (Cl. 93—93)

1. In a machine of the character described, means for feeding and stacking sheet material, a vertically movable carrier positioned at one side of the stack of fed sheet material and having therein a plurality of individual markers, an ejector for the markers in said carrier for discharging a marker on to the top of the stack of fed sheets, and means operated by the passage of a predetermined number of sheets through said feeder for periodically elevating said marker carrier to a position above the stack of fed sheets and causing the marker ejector to operate.



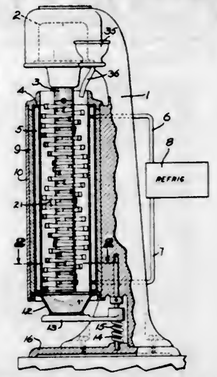
2,272,714
RELAY APPARATUS
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application April 8, 1940, Serial No. 328,582
7 Claims. (Cl. 172—179)



1. A relay apparatus comprising a sensitive instrument type relay having a pair of relatively movable contact members, said members being highly flexible and continuously vibrating, a gas filled electronic tube having a control grid cooperating with a cathode and an anode, a plate-cathode circuit for said tube including a load device and a source of plate potential, and means including said relay contact members for controlling conduction through said tube.

2,272,715
MEANS AND METHOD OF FREEZING LIQUIDS
Ernest E. Lindsey, Los Angeles, Calif.
Application July 27, 1940, Serial No. 347,982
10 Claims. (Cl. 62—114)

1. In a device for freezing liquid material, a cylinder having a smooth inner surface, said surface being adapted to be cooled below the freezing point of said liquid, means for introducing said liquid into the interior of said cylinder, and rotating means operating on said material while in said cylinder, said rotating means including a plurality of resilient blades separately and serially attached to said rotating means and extending toward said surface in a rearwardly tangential direction with respect to the direction of rotation of said rotating means, and terminating adjacent but not touching said surface.



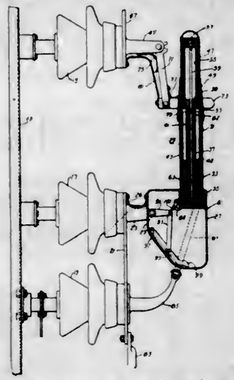
2,272,716
METHOD OF MAKING HANDBAGS OR THE LIKE
Joseph N. Lowe, New York, N. Y.
Application March 8, 1941, Serial No. 382,389
10 Claims. (Cl. 112—262)



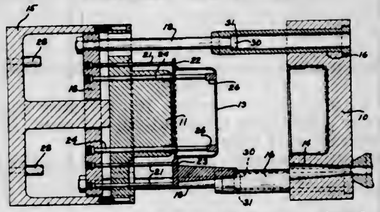
10. The method herein described, including providing a flexible strip of bag-covering material having two spaced incisions transversely cut into one edge, providing a strip for a bag lining with stitched hems along its longitudinal edges, imposing the strips on each other in longitudinally offset relation, cutting an incision in one hemmed edge of the lining strip opposite to one of said incisions, binding together the coinciding incised edges of the strips along a length corresponding with the distance between the incisions in the covering strip and leaving the ends of the binding strip as projections, removing the stitching thread of the hem which is at the bound edges, reversing the relative position of the strips, cutting a slit in the lining strip at a point adjacent one end of the bound edges, inserting one of the projecting ends through said slit, stitching the projecting ends of the binding to the strips to extend transversely thereof to their adjacent edges along lines at and substantially parallel with the original position of the incisions in the covering strip, and connecting the ends of the covering strip while leaving an accessible opening between the ends of the lining strip.

2,272,717
CIRCUIT INTERRUPTING DEVICE
Leon R. Ludwig, Wilkinsburg, and James H. Frakes, Edgewood, and Stanley T. Schofield, deceased, late of Wilkinsburg, Pa., by Martha M. Schofield, administratrix, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1939, Serial No. 295,590
57 Claims. (Cl. 200—48)

1. In a circuit interrupter, a pair of concentric tubes of insulating material defining an annular arc passage, separable contact means for drawing an arc adjacent one end of said arc passage, and a third tube of insulating material relatively movable between said pair of concentric tubes for causing said arc to be restricted in cross section and lengthened along a path substantially twice the length of the relative movement between said last-named tube and said pair of concentric tubes.

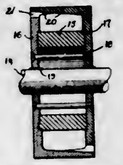


2,272,718
DIE CASTING MACHINE
Allan R. MacLagan, Western Springs, and Elmer C. Neuhaus, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1940, Serial No. 338,958
6 Claims. (Cl. 22—94)



1. A die casting die comprising a pair of relatively movable die members, a tubular guide post attached to one of said members and slidable in the other member, a rod slidable in said guide post, and an ejector pin supporting plate carried by said rod.

2,272,719
MAGNETIC SEPARATOR
Charles A. Maynard, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application January 2, 1940, Serial No. 312,024
3 Claims. (Cl. 209—219)



1. A magnetic separator comprising a permanent magnet, pole pieces respectively associated with the poles of said magnet, said pole pieces each having a plate portion in contact with one end of the magnet and integral deflected pro-

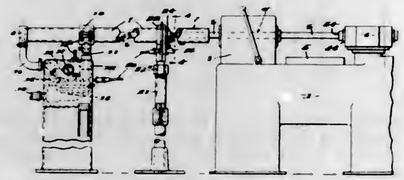
jections at its periphery, the projections of the respective pole pieces extending over the magnet and being alternately disposed to form consequent spaced pole areas around the magnet, and peripheral notches respectively in each plate portion for the reception of the tip end portions of the projections of the other without contact therewith.

2,272,720

AUTOMATIC STOCK BAR FEED MECHANISM FOR AUTOMATIC METALWORKING MACHINES

Eugene S. Mariotte, North Syracuse, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York

Application August 21, 1940, Serial No. 353,545
15 Claims. (Cl. 140—130)



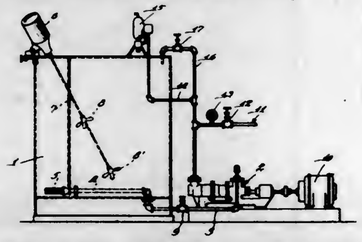
1. In an automatic stock bar feed for automatic metal working machines, a feed tube closed at one end forming a cylinder, a push plunger movable in the tube, means for supplying a pressure fluid to the closed end of the tube behind the plunger to actuate the plunger to feed the bar, and means for momentarily exhausting the pressure from the pressure side of the plunger after the plunger has been given a starting impulse.

2,272,721

FLUID REGULATING AND PROPORTIONING DEVICE

Verl E. McCoy, La Grange, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

Application January 12, 1939, Serial No. 250,508
7 Claims. (Cl. 103—41)



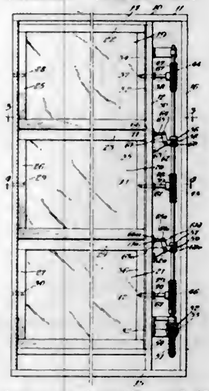
1. In an automatic fluid proportioning system, the combination with a positive displacement pump for withdrawing fluid from a supply and discharging through a variable pressure outlet, of a flow regulator arranged to by-pass fluid from said outlet to said supply, said regulator comprising a container open to atmospheric pressure having an inlet from said pump discharge outlet and a restricted fixed drain outlet to said supply, a valve for said regulator inlet, and means responsive to the fluid level in said container for controlling said valve to maintain a substantially fixed pressure head of fluid in said container at atmospheric pressure so that the flow through said fixed drain outlet remains constant irrespective of varying pressure in the system.

2,272,722

WINDOW CONSTRUCTION

Louis H. Morin, New York, N. Y., assignor to Nicholas E. Griffin, South Pasadena, Calif.

Application October 17, 1940, Serial No. 361,476
5 Claims. (Cl. 20—53)



1. In a window construction of the character which includes a window casement including a vertically extending side rail member having a vertically extending opening or slot formed therein, a plurality of window frames swingingly mounted in said window casement for movement about horizontally extending axes into and out of open and closed positions and each including a vertically extending side rail, and a vertically extending weather-stripping member slidably mounted in said opening or slot for movement transversely of said window casement into and out of weather-stripping engagement with the said vertically extending side rails of the said window frames: the improvement which comprises means for operating the said window frames and the said weather-stripping member including a vertically extending vertically slidable rotatable operating member, means coacting with the said vertically extending operating member for moving the said weather-stripping member into and out of weather-stripping engagement with the said vertically extending side rails of said window frames, the said means which coacts with the said vertically extending operating member for moving the said weather-stripping member into and out of weather-stripping engagement with the said vertically extending side rails of said window frames including a plurality of collars mounted on said vertically extending operating member, at spaced intervals thereon, means cooperating with said collars for moving the said weather-stripping member into and out of weather-stripping engagement with the said vertically extending side rails of said window frames, and means, including a plurality of worms, arranged at spaced intervals upon the said vertically extending operating member, for moving the said window frames simultaneously into and out of open and closed positions.

2,272,723

DENTAL IMPRESSION MATERIAL

Stanley E. Noyes, Los Angeles, Calif.

No Drawing. Application March 12, 1938, Serial No. 195,541
10 Claims. (Cl. 106—35)

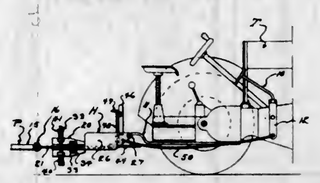
1. An impression material comprising a reversible gel-forming organic hydro-colloid base, a reaction product of a polyhydric alcohol and boric acid and the sulfate of one of the metals selected from the group consisting of manganese, aluminum, zinc and iron.

2,272,724

IMPLEMENT HITCH

Francis O'Keane, Colgate, Wis.

Application August 4, 1940, Serial No. 351,408
3 Claims. (Cl. 180—14.5)



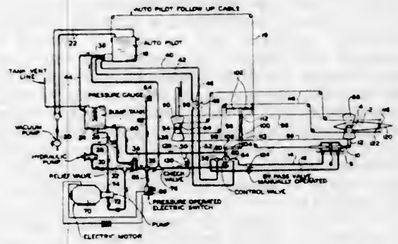
2. A hitch for connecting a farm implement to a tractor comprising, a guide body, a pull bar slidably mounted in said body having an opening therein and a longitudinally extending slot directly in rear of said opening, said opening having abrupt walls, a pair of clamping jaws rockably mounted on said body adapted in one position of the pull bar to engage in the opening, and in another position of the pull bar to engage in the slot, means normally holding the jaws in the opening against swinging movement upon normal operation of the tractor and implement, said means being releasable upon an abnormal pull on the bar, whereby said jaws can separate and spring out of said opening and into the slot, said slot allowing limited longitudinal movement of the pull bar on the body, means for connecting the pull bar to an implement, and means for operating the clutch pedal of the tractor from the pull bar upon continued rearward movement of the pull bar.

2,272,725

CONTROL OF AIRCRAFT SURFACES

John W. Overbeke, Annesile, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.

Application July 13, 1939, Serial No. 284,276
14 Claims. (Cl. 244—78)



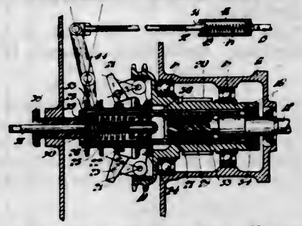
1. In a control mechanism for aircraft, a control surface pivoted on the aircraft, a cylinder, a piston movable in said cylinder and connected to said control surface, a valve, means connecting said valve to opposite sides of said cylinder, an auto-pilot, means connected to said cylinder and controlled by said auto-pilot to supply fluid under pressure to said cylinder, a manual control member, and a follow-up means connected to said valve between said manual control member and said control surface for controlling the position of said valve, whereby, when said control member is moved, the action of said auto-pilot is neutralized.

2,272,726

CONTROL OF FUEL INJECTION ENGINES

Arthur Freeman Sanders, Leeds, England, assignor of one-half to John Fowler & Co. (Leeds) Limited, Leeds, England

Application February 12, 1941, Serial No. 378,668
In Great Britain December 11, 1939
8 Claims. (Cl. 123—140)



1. For a fuel-injection engine, the combination with a fuel pumping unit having a driving shaft, of a speed-responsive governor for controlling the moment of injection, and means for overriding the governor action, said governor including a main spindle driven at a speed responsive to that of the engine crankshaft, a timing-control member having a sliding and driving connection with said main spindle and having a quick-screw-threaded connection with said driving shaft, said main spindle and said driving shaft being endwise fixed whereby axial movement of said timing-control member will alter the angular relationship between said main spindle and said driving shaft, means biasing said timing-control member axially in one direction, bob weights carried by said main spindle and connected to actuate said timing-control member in the other direction under centrifugal action, and means for actuating said timing-control member in the said other direction when the engine is cold independently of the governor action and for releasing said member when the engine is warm.

2,272,727

APPARATUS FOR LAUNCHING TORPEDOES

Hubert Scott-Paine, Hythe, Southampton, England

Application May 1, 1940, Serial No. 332,629
In Great Britain October 14, 1938
1 Claim. (Cl. 114—239)



In combination with a torpedo tube, a support therefor comprising a turn-table adapted to be secured to the deck of a boat, a curved guideway adapted to be secured to the deck of the boat at a distance forward from said turntable, a slide cooperating with said guideway, lower longitudinal frame members connecting said turn-table and slide, cradle means for supporting the said torpedo tube on said lower frame members, a pair of upwardly extending forward legs pivotally attached at their bottom ends to said slide and at their top ends to the torpedo tube, a pair of upwardly extending aft legs pivotally attached at their lower ends to said turntable and at their upper ends to the torpedo tube, the legs of said pairs being spaced apart so that the torpedo tube is between the legs of each pair, two upper longitudinal frame members each of which is pivotally connected to the upper ends of a forward and aft leg, and two shock-absorbing members each diagonally and

pivotally connected between said turn-table and the forward end of one of said last mentioned upper longitudinal members.

2,272,728

PROCESS FOR IMPARTING BACTERICIDAL AND STERILIZING PROPERTIES TO NATURAL SPONGES

Sam Rosenzweig, New York, N. Y.

No Drawing. Application January 13, 1941, Serial No. 374,206
2 Claims. (Cl. 21—58)

2. A sponge of the genus "Spongia" having bactericidal and sterilizing properties and containing a practically water insoluble silver albumin compound finely distributed and firmly held within its capillary fibrous structure.

2,272,729

GLASS CLEANING AND POLISHING MACHINE

Eugene P. Searing, Paterson, N. J.

Application January 21, 1941, Serial No. 375,355
5 Claims. (Cl. 15—4)



1. A glass cleaning and polishing machine comprising a table, an endless conveyor belt mounted for longitudinal movement over the top of said table and adapted to receive glass plates, a cleaning belt mounted above said conveyor belt and adapted to travel in an opposite direction to the conveyor belt, a plurality of transverse pressure rollers engaging the cleaning belt for holding the cleaning belt in frictional contact with a glass plate carried by the conveyor belt as the plate passes under the cleaning belt, a plurality of pressure roller-supporting brackets carried by said table, said brackets having vertically extending notches formed in the top edge thereof, and the pressure rollers being journaled within said notches to permit the rollers to float up and down as a glass plate passes under and in frictional contact with the cleaning belt.

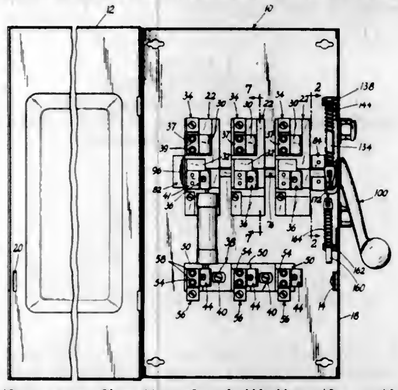
2,272,730

SWITCH

Christopher I. Smith, Long Island City, and Sidney Rock, New York, N. Y., assignors to Cole Electric Products Co. Inc., Long Island City, N. Y., a corporation of New York

Application May 1, 1939, Serial No. 271,074
20 Claims. (Cl. 200—67)

1. A switch comprising contact members relatively movable for engagement with and disengagement from each other for closing and opening the switch, an operating member mounted for movement in two directions and operatively connected to one of said contact members for effecting said relative movement thereof for engaging and disengaging said contact members, means for actuating said operating member comprising a plurality of toggles, each including a separate pair of spring controlled toggle arms, said plurality of toggles being operatively connected to said operating member for jointly moving the latter in either of said directions, one arm of each of said toggles having a lost motion connection with said operating member, and a manually operable member having a lost motion connection with each of said last mentioned arms and engageable therewith in succession during the movement of said manually operable member



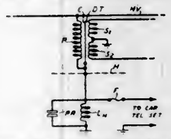
in the same direction for initiating the actions of said toggles.

2,272,731

ELECTRIC WAVE SYSTEM

Leland K. Swart, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 5, 1940, Serial No. 359,879
5 Claims. (Cl. 179—2.5)



1. In a power line carrier frequency telephone system, a power line for transmitting low frequency, high voltage electric power and, simultaneously, telephone signals on a high frequency carrier wave, said power line comprising a high voltage conductor with ground return, a subsidiary line for transmitting said low frequency electric power at a lower voltage, and a carrier frequency set, a power transformer comprising a metallic housing containing a primary winding, a secondary winding and a core on which said windings are wound, said core and one end of said primary winding being connected with said housing, the other end of said primary winding being connected to said high voltage conductor and said secondary winding being connected with said subsidiary line, and an inductive reactance connected between said housing and ground, and constituting with the distributed capacitances of said windings and between said windings, core and housing, a network tuned to said high frequency wave, the carrier telephone set being connected with said power line through said tuned network.

2,272,732

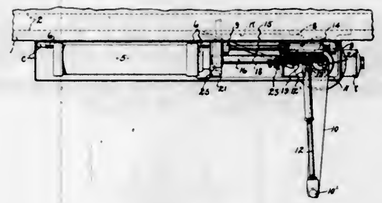
DOOR OPENING AND DOOR CHECK RELEASING DEVICE

John H. Vander Veer, Westfield, and Paris R. Forman and Roscoe D. Conklin, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y., a corporation of West Virginia

Application August 2, 1939, Serial No. 287,990
9 Claims. (Cl. 268—66)

1. A combination including a door, a door check mounted on the door, a carriage supported

over the door for movement, a linkage system interconnecting the door check with said carriage, and power operated means for moving said



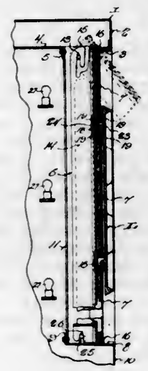
carriage to shift the point of connection of the linkage system with the carriage with respect to the door check.

2,272,733

INTERCHANGEABLE ILLUMINATED SIGN

Charles J. Wamser, Milwaukee, Wis.

Application November 22, 1940, Serial No. 366,672
5 Claims. (Cl. 40—130)



1. In an illuminated sign including a housing having an open side and illuminating means contained therein, a skeleton frame hinged in said housing adjacent its open side, spaced horizontal compound channels carried by said frame having portions for reception of detachable silhouette letters, translucent panel sections carried by said frame and certain other portions of said compound horizontal channels, and detachable means carried by one side of said frame to retain said translucent panels in the frame and allow removal and replacement of the same.

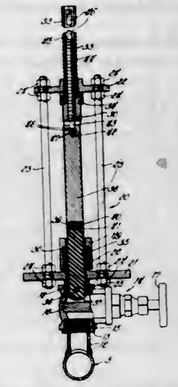
2,272,734

MEANS FOR STOPPING FLOW OF FLUID IN CONDUITS

Irwin H. Witt, Evanston, Ill.

Application June 21, 1940, Serial No. 341,661
3 Claims. (Cl. 138—94)

1. Means for stopping flow of fluid in a conduit comprising, a carrier member adapted to be inserted through an opening in said conduit, a resilient plug carried by said member, and means for deforming said resilient plug into fluid-tight engagement with the inside wall of said conduit, said resilient plug upon being deformed forcing



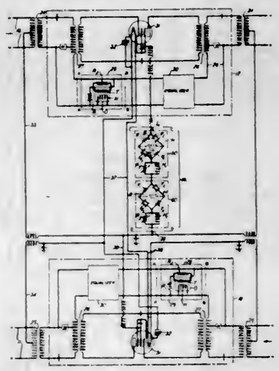
said carrier member into fluid-tight engagement with the wall defining said conduit opening.

2,272,735

TRANSMISSION SYSTEM

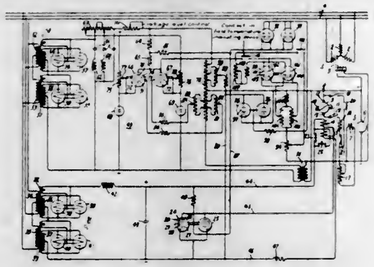
Walter M. Bishop, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 11, 1940, Serial No. 334,540
15 Claims. (Cl. 179—170)



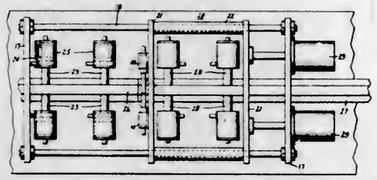
1. A transmission system comprising a line for transmitting communication currents in one direction, a line for transmitting communication currents in the reverse direction, a repeater station along said paths comprising electron discharge device repeaters for amplifying said currents, each of said devices comprising a cathode, an input grid and an anode, means for supplying said station with anode potential from one terminal only of said system, and means for regulating the gain of said repeaters with variation in temperature conditions along said lines comprising a feedback path in each repeater and including an element variable in impedance with temperature variation, and temperature controlling means for said variable element including a heater element the current through which varies directly with changes in the anode potential supplied to the repeaters over the line.

2,272,736
ELECTRIC CONTROL SYSTEM
Theodore R. Brown, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 16, 1940, Serial No. 365,957
17 Claims. (Cl. 171—119)



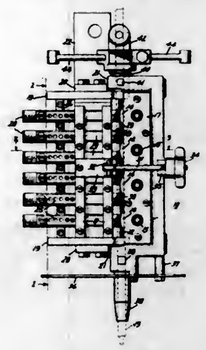
1. In combination, a dynamo-electric machine comprising an armature winding and a field winding, an alternating current circuit connected to said armature winding, electric apparatus for controlling the energization of said field winding and comprising an armature-reaction excited dynamo-electric machine including a control winding, electric translating apparatus connected between said alternating current circuit and said control winding and including an electric valve means for controlling the current transmitted to said control winding, said electric valve means including a control member, a control means connected to said alternating current circuit for variably energizing said control member, and switching means for rendering ineffective said control means by impressing a voltage on said control member so that constant current is transmitted to the field winding of the first mentioned dynamo-electric machine.

2,272,737
BURR REMOVER
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 18, 1940, Serial No. 346,157
4 Claims. (Cl. 90—25)



1. In butt welding apparatus, means for removing the bead from a weld comprising a casing open at one end, a door for closing said end, means normally holding said door in its closed position, a tool holder movably arranged within said casing, a cutting tool carried by said holder, fastening means for securing said tool in a predetermined position, means for moving said holder and said tool towards and away from the shearing position of the tools, means dependent upon such movement for opening said door to permit movement of said tool out of the casing and into engagement with the welded objects to be sheared, and means for moving said tool across the weld for removing the bead at the weld.

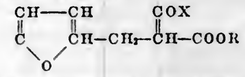
2,272,738
CONTACT MECHANISM
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 29, 1940, Serial No. 367,778
4 Claims. (Cl. 219—8)



1. A contact device for connecting a source of welding current to an electrode fed therethrough comprising an electrode guide, a current conducting contact having a flat guiding surface and a beveled end portion forming an electrode engaging contact face of reduced section at one end of said flat guiding surface and a sharp edge extending back from said contact face along one side of said flat guiding surface, a contact holder having a flat guiding surface which engages the flat guiding surface of said contact to direct its electrode engaging contact face in a desired direction into engagement with an electrode in said electrode guide, means for supplying welding current to said contact, and a biasing member acting against said contact to move it relatively to said contact holder and force its electrode engaging contact face into yielding engagement with an electrode in said guide.

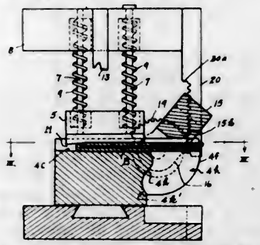
2,272,739
FURANE DERIVATIVES OF THE PYRAZOLONE SERIES AND A METHOD OF MAKING THE SAME
Max Dohrn, Berlin-Charlottenburg, and Kurt Hamann, Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 3, 1939, Serial No. 271,606. In Germany May 10, 1938
10 Claims. (Cl. 260—310)

1. Process for the manufacture of furane derivatives of the pyrazolone series, wherein furfuryl-acyl-acetic acid compounds having the following general formula



wherein R is a member of the class consisting of hydrogen and hydro-carbon radicals and COX is an acyl group, are condensed with phenyl-hydrazines, whereby said acyl-acetic and hydrazine groups form a pyrazolone ring.

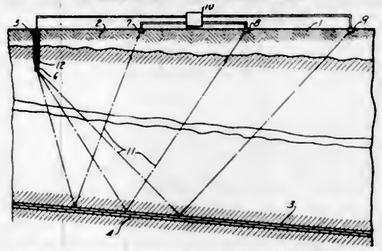
2,272,740
APPARATUS FOR THE MANUFACTURE OF METAL ARTICLES
William L. Fader, Jr., Sewickley, Pa., assignor to Pittsburgh Forgings Company, a corporation of Delaware
Original application October 16, 1939, Serial No. 299,600, now Patent No. 2,228,448, dated January 14, 1941. Divided and this application March 18, 1940, Serial No. 324,458
8 Claims. (Cl. 153—3)



6. Metal-shaping apparatus including a die having a matrix with a floor and opposite, relatively movable side walls, a contoured metal-shaping portion extending downward from such floor portion, a device for closing the side walls of the matrix upon an elongate blank, a device for clamping one end of the blank to said floor portion of the matrix, a device for bending the opposite end of said blank and shaping it to said contoured portion of the die, and powerfully operated means for successively actuating said devices in the order in which they are above defined.

8. Metal-shaping apparatus including a die having a matrix with a floor portion and opposite, relatively movable side walls, a contoured metal-shaping portion extending downward from such floor portion, means for closing the side walls of the matrix upon an elongate blank, means for clamping one end of the blank to said floor portion of the matrix, and means for bending the opposite end of said blank and shaping it to said contoured portion of the die, one of said side walls of said matrix including two portions extending angularly to one another, with the effect that when said side walls are closed upon the blank, one end of the blank is shaped to extend angularly to the opposite end.

2,272,741
APPARATUS FOR SEISMIC SURVEYING
Tweed E. Failing, Houston, Tex., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Original application February 28, 1938, Serial No. 193,114. Divided and this application May 6, 1940, Serial No. 333,551
3 Claims. (Cl. 181—0.5)

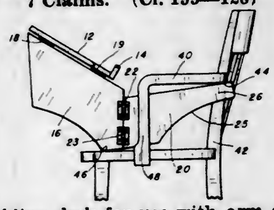


1. In a seismic surveying apparatus for surveying subterranean formations, an explosive charge located in the lower end of a bore-hole extending in the direction of the formation to be surveyed, a seismograph stationed in spaced relation with the bore-hole for detecting sound waves reflected from the subterranean formation being surveyed, an oscillograph connected with the seismograph, and means casing the bore-hole from the top thereof and through which the explosive charge is lowered to said lower end of the bore-hole, said casing means being formed of a material having the characteristic of being substantially non-resonant for shielding the formations through which the bore-hole extends from direct transmission by way of said casing means of sound waves emanating from the explosive charge to said seismograph whereby the reflected sound waves received by the seismograph are better distinguished from any direct waves received by the seismograph and recorded by said oscillograph.

2,272,742
MOLDING COMPOSITION AND MOLDED PRODUCT
Edmond F. Fiedler, Adams, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 8, 1938, Serial No. 212,501
11 Claims. (Cl. 260—10)

1. A heat-hardenable molding composition comprising an intimate mixture of ingredients comprising acid-hydrolyzed wood, at least 10% by weight thereof of a potentially heat-hardenable phenol-aldehyde resin and, in addition, aniline.

2,272,743
FOLDING DESK FOR USE WITH ARMCHAIRS
Edward R. Gay, Seattle, Wash.
Application April 1, 1940, Serial No. 327,196
7 Claims. (Cl. 155—128)

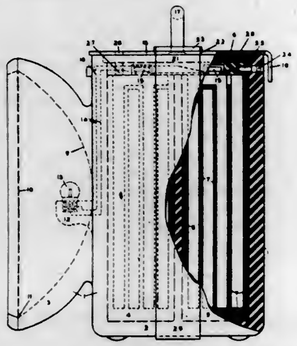


5. A folding desk for use with arm chairs and comprising a pair of main supporting members spaced apart from each other and having pitched upper edges and upright rear edges, a desk top secured to said pitched upper edges of the main supporting members and having a lower retaining rail, and a pair of secondary support members hingedly secured to said upright rear edge of the main supporting members and adapted for cooperation with a chair whereby the desk top will be supported above the forward edge of the chair.

2,272,744
ELECTRIC HAND LANTERN
John Theodore Helling, Auckland Park, Johannesburg, South Africa
Application June 27, 1939, Serial No. 281,318
In the Union of South Africa June 28, 1938
1 Claim. (Cl. 240—10.63)

An electric hand lantern comprising an accumulator casing having cell partitions and a lamp housing formed with a reflector surface

and a recess for a lens all moulded in one piece of resilient material, said accumulator casing having a cover of similar material, passages in the cover to allow the escape of gas, inserted charging contacts allowing charging of the accumulator whilst sealing the contents against



spilling, a stirrup shaped cradle of rigid material forming a handle for carrying the lantern and supporting the resilient body of the accumulator and means for locking the cradle round the body of the lantern to prevent unauthorised access thereto.

2,272,745

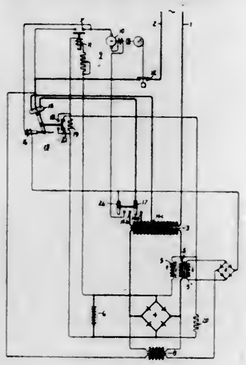
MEANS FOR CHARGING ELECTRIC BATTERIES

Richard S. Hinds and Arthur Mandl, Sheffield, England, assignors to General Electric Company, a corporation of New York

Application August 4, 1939, Serial No. 288,342

In Great Britain February 22, 1939

8 Claims. (Cl. 171—314)



1. In a battery charging circuit of the type in which a serially-connected direct current saturable reactor controls the input current to a battery charging rectifier, the combination of a direct current saturating winding on said reactor connected to be energized in direct proportion to the battery voltage and an additional oppositely acting direct current saturating winding on said reactor connected to be energized in proportion to the voltage drop across said reactor, said windings being so proportioned as substantially to neutralize each other at the commencement of charging a discharged battery.

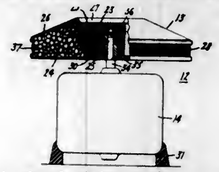
2,272,746

AIR PURIFYING UNIT

Osmund Holm-Hansen, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 2, 1940, Serial No. 359,389

2 Claims. (Cl. 183—4)



1. In an air deodorizing unit comprising a casing and means for causing rotation thereof, said casing being provided with an inlet opening and an outlet opening, means for causing air to be drawn into said casing through said inlet and expelled through said outlet, said means consisting of a body of an air deodorizing material of the type having a plurality of passages of substantial size extending therethrough for the circulation of air, said passages being of such a size that the material defining said passages serves as the principal air propellant means.

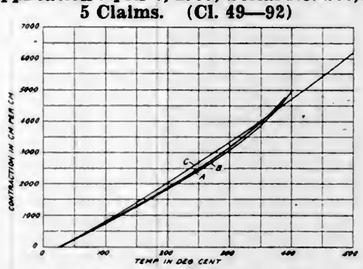
2,272,747

GLASS TO METAL SEAL

Albert W. Hull and Louis Navias, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application April 7, 1939, Serial No. 266,604

5 Claims. (Cl. 49—92)



1. In sealed combination, a metal having substantially the expansion characteristics of iron and a glass which contains about 45% SiO_2, about 12% K_2O, about 6% Na_2O, about 32% PbO and about 5% CaF_2.

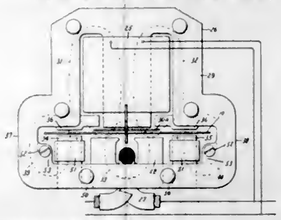
2,272,748

INDUCTION METER

Isaac F. Kinnard, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 21, 1940, Serial No. 357,791

10 Claims. (Cl. 171—264)



1. A combined induction meter driving and

damping unit comprising a voltage electromagnet and a current electromagnet, said electromagnets having core members in the same plane at right angles to an air gap defined by said core members, and in which air gap induction driving torque fluxes are produced by said electromagnets, permanent magnet means in the plane of said core members for producing damping fluxes across such air gap, and supporting structure by which all of said magnet means are secured to form an integral structure.

2,272,749

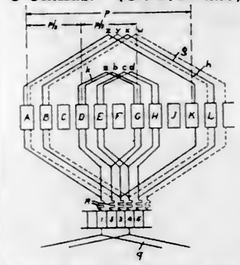
DYNAMOELECTRIC MACHINE

Arthur C. Lane and Bernard Adkins, Rugby, England, assignors to General Electric Company, a corporation of New York

Application September 30, 1940, Serial No. 359,120

In Great Britain May 22, 1939

8 Claims. (Cl. 171—228)



1. An alternating current dynamo-electric commutator machine having a duplex winding and a short pitch winding wound in the same slots and connected to the same commutator segments, a single turn of one section of the duplex winding being connected to segments two apart, across which segments are connected two turns of the short pitch winding of which each turn is one third of full pitch and the mid point of the two turns is connected to the intermediate commutator segment and thus to the other section of the duplex winding, whereby to give substantially equal voltages across corresponding commutator segments.

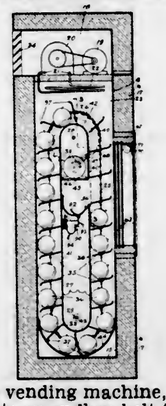
2,272,750

REFRIGERATED APPLE VENDING MACHINE

Ira M. Miller, Yakima, Wash.

Application July 20, 1940, Serial No. 346,576

6 Claims. (Cl. 312—89)



2. In an apple vending machine, an apple storage compartment; an endless belt type apple carriage movably mounted in a substantially upright position in said apple storage compartment with the two upright portions of said apple carriage spaced apart; apple supporting trays carried by said carriage and positioned at an incline relative to the horizontal when the carriage parts with which they are connected are in an upright position; baffle means positioned between the two upright portions of said carriage adapted to hold apples on said trays in a predetermined zone of movement; and an apple discharge chute positioned between the two upright portions of said carriage to receive apples released by said baffle means.

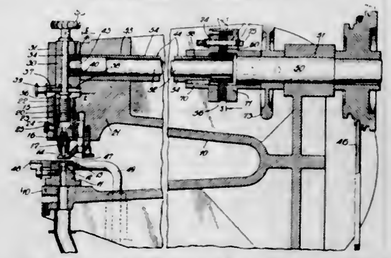
2,272,751

NIBBLING MACHINE

Harry G. Robinson, Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application February 27, 1941, Serial No. 380,855

6 Claims. (Cl. 164—47)



1. In a punching machine, the combination with a frame, a punch carrier, an eccentric for operating said punch carrier, a composite shafting for supporting and operating said eccentric, said shafting including a driving shaft journaled in said frame, a second shaft alined with said first mentioned shaft and journaled in said frame, said shafts being spaced, a driving connection between said shafts, said second mentioned shaft being provided with an eccentric bore, a third shaft supporting said eccentric and journaled in the eccentric bore of said second mentioned shaft, and means located in the space between said first mentioned shafts for connecting said third mentioned shaft in different angular positions to one of said first and second mentioned shafts.

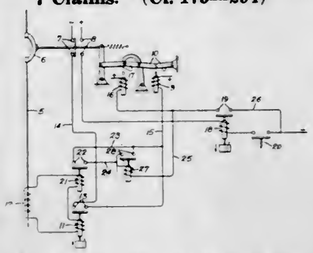
2,272,752

CONTROL OF ELECTRIC SWITCHES

Robert M. Spurck, Llanerch, Pa., assignor to General Electric Company, a corporation of New York

Application September 19, 1940, Serial No. 357,433

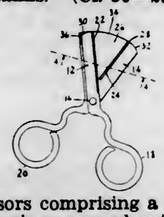
7 Claims. (Cl. 175—294)



1. In combination, an electric circuit, means for interrupting said circuit, means responsive

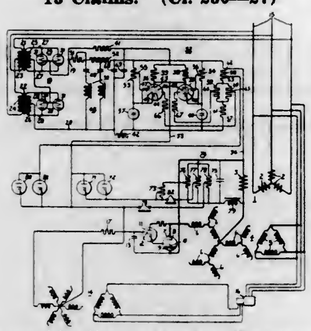
to an abnormal condition of said circuit for effecting a delayed circuit opening operation of said circuit interrupting means, means for closing said circuit interrupting means, and a plurality of means respectively operative in dependence on the operation of said closing means and on the existence of an abnormal circuit condition during such operation for effecting an immediate opening of said circuit interrupting means only upon operation of said closing means during the existence of the abnormal circuit condition.

2,272,753
SAFETY SCISSORS
Irving Steinhardt, New York, N. Y.
Application January 3, 1940, Serial No. 312,204
3 Claims. (Cl. 30—233)



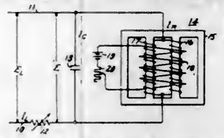
1. Safety scissors comprising a pair of pivoted scissor blades having opposed cutting edges, respectively, operating handles carried by said blades at one side of the pivotal connection between said blades, and means carried by one of said blades independently of the pivotal connection between said blades, said means having an edge confronting the cutting edge of said last mentioned blade in fixed spaced relation thereto and defining therewith a narrow slot open at the end of the scissors which is at the other side of the pivotal connection between said blades, said means overlapping the other of said blades to obstruct the opening between said blades when the latter are opened, except for said slot in which the material to be cut can be inserted through said open end of the slot for engagement by said cutting edges in the cutting operation.

2,272,754
ELECTRIC CONTROL CIRCUIT
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 20, 1939, Serial No. 274,765
13 Claims. (Cl. 250—27)



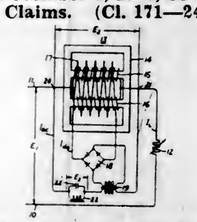
2. In combination, a source of variable unidirectional voltage having positive and negative terminals, an output circuit, means for impressing on said output circuit a unidirectional voltage which varies in accordance with the voltage of said source and comprising a pair of electric paths connected to said source and each including a serially connected impedance element, an electronic discharge device and a glow discharge device, the electronic discharge devices each having a control grid for controlling the conductivity thereof, means connected across said terminals for impressing on the control grids voltages which vary as the voltage of said source, and means for controlling the relative magnitudes of the voltages impressed on said control grids to cause said pair of electric paths to operate in parallel.

2,272,755
ELECTRICAL REGULATING APPARATUS
Claude M. Summers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 29, 1940, Serial No. 363,283
5 Claims. (Cl. 171—242)



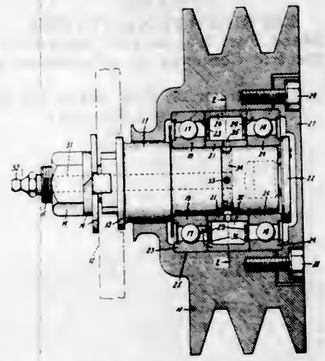
1. In combination, a load circuit including an electrical load energized from a source of alternating current having a substantially constant frequency, a network connected in series with said load circuit, said network comprising a parallel connected condenser and inductance, said condenser having a greater impedance than said inductance and said condenser and inductance having volt-ampere curves which are substantially parallel for a predetermined range of voltages across said network so that the current flowing through said inductance exceeds the current flowing through said condenser by a substantially constant amount within said range.

2,272,756
REGULATING APPARATUS
Claude M. Summers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 1, 1940, Serial No. 363,909
5 Claims. (Cl. 171—242)



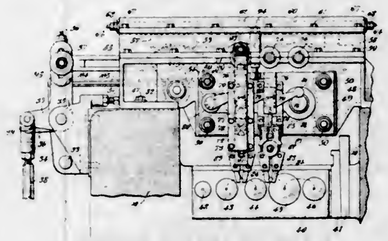
1. In combination, an alternating current circuit, a saturable core device having an alternating current winding and a saturating winding, said alternating current winding being connected in series with said circuit, means for supplying said saturating winding with a unidirectional current, the relation between the value of said unidirectional current and the voltage drop across said alternating current winding necessary to maintain constant current in said circuit under different operating conditions having a predetermined characteristic, and means responsive to said voltage drop for varying said unidirectional current in accordance with said characteristic, said means including a condenser and a saturable inductance.

2,272,757
BEARING AND SUPPORTING STRUCTURE
John W. Teker, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application December 19, 1940, Serial No. 370,817
7 Claims. (Cl. 308—187)



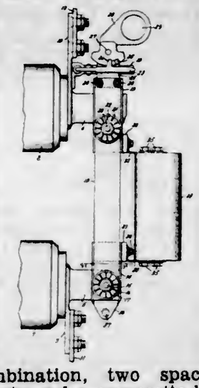
1. An anti-friction bearing construction including a pair of complementary inner and outer bearing races with anti-friction bearing members movably mounted between said races, a second pair of complementary inner and outer bearing races with anti-friction bearing members movably mounted between said second pair of races, and members arranged axially between axially adjacent races adapted to maintain said inner races and said outer races in axially spaced apart relation and to provide a lubricant reservoir therebetween, said spacing member between said outer bearing races having baffle elements formed with restricted openings therein arranged to provide for a restricted passage of lubricant from said reservoir to said bearings.

2,272,758
TRANSFER MECHANISM
Richard Lester Wilcox and Herbert L. Hoyt, Waterbury, Conn., assignors to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application February 14, 1941, Serial No. 378,918
29 Claims. (Cl. 10—12)



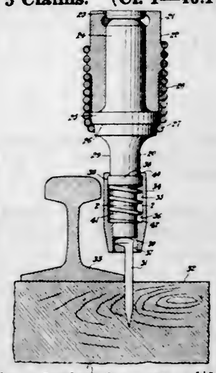
1. In a transfer mechanism; a plurality of transfer units, each unit having a head member; a carrying member thereon; fingers movably mounted upon the carrying member; means for synchronously moving the carrying member of each transfer unit relatively to the head member and thereby oscillating each head member; and positively actuated independent means for separately actuating the fingers and in part movable with the head member.

2,272,759
ELECTRIC SWITCH
Edwin A. Williams, Jr., Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application September 18, 1941, Serial No. 411,267
9 Claims. (Cl. 200—114)



1. In combination, two spaced stationary switch contacts and a composite blade structure for bridging said contacts comprising two channel-shaped metallic members in pivotal contacting engagement with one of said contacts, two insulating elements respectively having a material length at one end firmly seated against the web and between the flanges of said pivoted channel-shaped members, and two other channel-shaped metallic members against the web and between the flanges of which a material length of the other end portions of said elements are respectively firmly seated, said other members being movable into and out of contacting engagement with the other of said contacts.

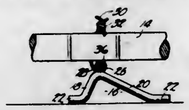
2,272,760
DRIVING DEVICE
Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 18, 1940, Serial No. 370,670
5 Claims. (Cl. 1—46.1)



1. A driving device for use with a percussive tool having a casing and a reciprocatory hammer therein, comprising a driving member having a shank extending slidably into the casing to receive the blows of the hammer, a stem on the driving member to bear against an element intended to be driven, means on the driving mem-

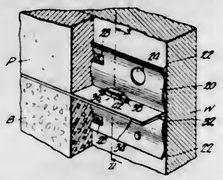
ber to abut the end of the casing for limiting the distance that the shank may extend into the casing, and means supported by the stem to maintain said stem in operative relationship with such element.

2,272,761
BAR SUPPORT AND SPACER
William Powell Awbrey, Kansas City, Mo.
Application June 26, 1939, Serial No. 281,126
4 Claims. (Cl. 72—122)



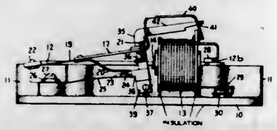
1. A bar support and spacer comprising an elongated wire member corrugated at spaced apart intervals; a chair welded to said wire beneath certain of said corrugations to present a transversely disposed hole therebetween; and a tie-wire at each chair passing through said hole and secured between said chair and said elongated wire, adapted to be secured about a bar positioned in the adjacent corrugations, whereby the bar is secured against movement longitudinally of said elongated member.

2,272,762
BASE SCREED
William Powell Awbrey, Kansas City, Mo.
Application December 11, 1939, Serial No. 308,617
8 Claims. (Cl. 72—123)



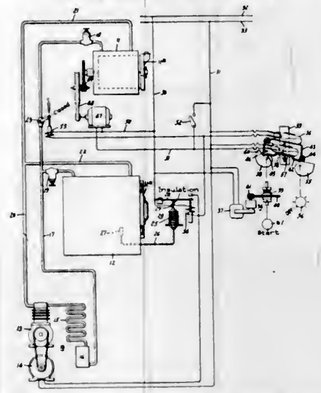
1. A base screed comprising a transversely corrugated base member having integral, outwardly projecting securing tongues and inwardly projecting leveling tongues; and a dividing strip having spaced apart offset portions positioned to extend lengthwise to said base member and secured in an upright position thereto by said securing tongues engaging said offset portions.

2,272,763
CIRCUIT CONTROLLER
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 28, 1940, Serial No. 367,560
11 Claims. (Cl. 200—87)



1. In a circuit controller, a movable member carrying a first contact and having two spaced limiting positions, a movably mounted contact member resiliently biased into engagement with said first contact, latching means engaging said movably mounted contact member when said movable member is in one of said limiting positions, and tripping means mounted on said movable member and engaging said latching means when said movable member is in said other limiting position.

2,272,764
REFRIGERATING SYSTEM
Lee R. Beard, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 17, 1940, Serial No. 361,637
10 Claims. (Cl. 62—114)

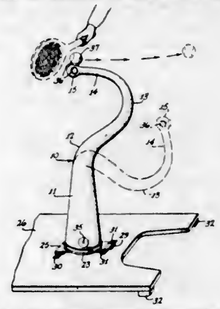


1. A refrigerating system including two evaporators, common means for supplying refrigerant to said evaporators, means arranged to control the admission of refrigerant to one of said evaporators and to cooperate with said common supply means for maintaining a predetermined pressure within said one evaporator, means arranged to control the admission of refrigerant to the other of said evaporators and to cooperate with said supply means for maintaining a predetermined pressure in said other evaporator lower than in said one evaporator, shut-off means for preventing the admission of refrigerant to said one evaporator, control means dependent upon the temperature produced by said other evaporator for effecting operation of said supply means, and a time controlled mechanism for operating said refrigerating system in repeated cycles of a predetermined length of time, each cycle including first opening said shut-off means for admitting refrigerant to said one evaporator and starting the operation of said supply means to supply refrigerant to said one evaporator and operating the same continually for a predetermined length of time and thereafter closing said shut-off means and placing said common supply means for the remainder of the cycle under control of said temperature dependent control means.

2,272,765
GAME PRACTICE DEVICE
John Dalton Beeson, Los Angeles, and Harold Z. Buck, Glendale, Calif.
Application April 24, 1940, Serial No. 331,368
11 Claims. (Cl. 273—29)

1. A device of the class described comprising: a resilient flexible body with a base portion and an upper portion, and a target element at the end of the upper portion, the upper portion being formed with a return loop terminating at the target element, whereby the target element may

be struck with a tennis racket at substantially



any angle used in the play of tennis without the racket striking the body.

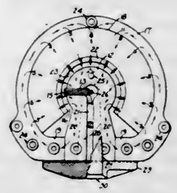
2,272,766
MAGNETIZING ARRANGEMENT
Almon J. Corson, Swampscott, and Ralph M. Rowell, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Original application April 7, 1939, Serial No. 266,626. Divided and this application June 26, 1940, Serial No. 342,576
3 Claims. (Cl. 175—21)



3. In a field structure for a current responsive instrument of the permanent magnet type arranged for retention of magnetic strength normally having a soft-iron core substantially closing the magnetic circuit, the combination of a permanent magnet assembly and a keeper therefor adapted to bridge the permanent magnet assembly without interference with the placement of the permanent magnetic assembly in magnetizing apparatus or with the installation of an instrument core in the permanent magnet assembly, said permanent magnet assembly comprising a segmental annular permanent magnet magnetized radially, a shielding and magnetic return member substantially surrounding said permanent magnet and making contact with the outer cylindrical surface thereof, and an inner pole piece in the form of a segment of a hollow cylinder at the inner cylindrical surface of said permanent magnet, said magnetic return member and said inner pole piece projecting axially from said permanent magnet and having surfaces lying along the same plane, and said keeper being in the form of a hollow disc having a segment thereof cut away and having a flat surface adapted to be brought into contact with the projecting surfaces of said magnetic return member and said inner pole piece for bridging said permanent magnet when said permanent magnet assembly is removed from a magnetizer and is without a magnetic-circuit-completing core, the inner dimensions of said keeper being no less than those of the said inner pole piece in order to avoid interference with installation or removal of an instrument core or a core member of a magnetizer.

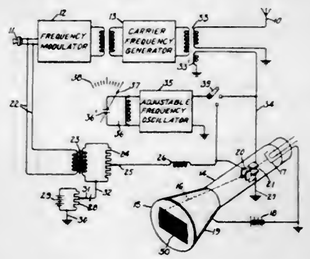
2,272,767
DIRECT CURRENT AMMETER AND VOLTMETER
Almon J. Corson, Swampscott, and Ralph M. Rowell, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Application April 7, 1939, Serial No. 266,626
3 Claims. (Cl. 171—95)

1. A field structure for a current responsive instrument comprising an annular permanent magnet having a peripheral angular length substantially as great as 250 degrees composed of high coercive force material magnetized radially, an annular pole piece composed of permeable magnetic material at the inner cylindrical surface of said annular permanent magnet, a shielding member of permeable magnetic material substantially surrounding the outside periphery of said annular permanent magnet, and a U-shaped core member composed of permeable magnetic material having an annular yoke por-



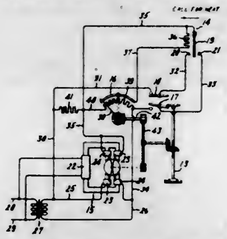
tion surrounded by said annular pole piece and spaced therefrom to form an annular air gap and having leg portions fitted against said shielding member to form with the latter a magnetic return circuit for said annular permanent magnet, said field structure being thereby adapted to cooperate with a current conducting coil eccentrically mounted and rotatable about a side thereof and to receive said coil side within the annular portion of said core member and to have another coil side sweep through said air gap whereby the coil may link the annular portion of said core member.

2,272,768
FREQUENCY MODULATION MEASUREMENT
Howard M. Crosby, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 21, 1940, Serial No. 341,719
21 Claims. (Cl. 179—171.5)



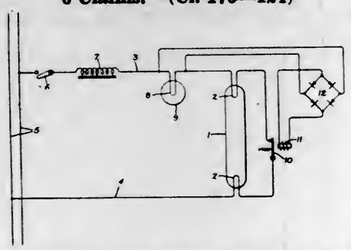
4. The method of analyzing the frequency characteristics of electrical waves whose frequency is varied over a band of frequencies as a function of modulating potentials comprising the steps of directing an electron beam against a sensitive surface, deflecting said beam in one direction in accordance with said waves to be analyzed, deflecting said beam in another direction in accordance with said modulating potentials and concurrently deflecting said beam in said first direction in accordance with oscillations of a predetermined known frequency lying within said band, whereby said beam traverses a pattern on said surface whose configuration is a function of said characteristics.

2,272,769
CONTROL MODULATING SYSTEM
Harry R. Crago, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 30, 1940, Serial No. 327,021
20 Claims. (Cl. 236—68)



1. A system for controlling the temperature of a space including a supply of temperature changing medium, means for varying the rate at which said medium is conducted to said space, a thermostat for controlling said means, a heating element arranged to supply heat to said thermostat, modulating means for varying the excitation of said heating element in order to vary the amount of heat given off by said heating element in synchronism with the movement of said varying means, and means for forcing the excitation of said heating element when said thermostat is actuated.

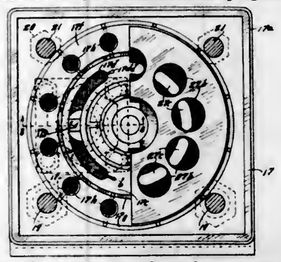
2,272,770
GASEOUS ELECTRIC DISCHARGE APPARATUS
Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1939, Serial No. 300,991
6 Claims. (Cl. 176—124)



1. An electric discharge device having electrodes adapted to be initially heated to an electron emitting temperature, means including a resistor for connecting said device with a source of current supply and providing a current path including said electrodes for the initial heating thereof and means responsive to an increase in the potential difference across said resistor due to the heating thereof by the current therein for interrupting the heating current between said electrodes.

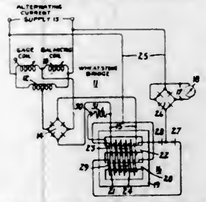
2,272,771
HYDRAULIC PUMP
John B. Hawley, Jr., Minneapolis, Minn.
Application March 16, 1938, Serial No. 196,225
4 Claims. (Cl. 103—162)

1. In a pump of the swash plate type including a casing, a rotating cylinder barrel having a rigid flat end face provided with cylinders having ports in said flat end face of said barrel, a valve plate provided with arcuate ports cooperating with the ports of said cylinders to control the flow of the operating fluid, an annular bearing surface disposed outward radially from said ports and an annular depression at each side of said bearing surface, a series of circumferentially spaced holes



formed in said bearing surface for an appreciable depth therein and small passages extending from the sides of said holes to said depressions whereby pressure fluid or oil from said casing is supplied to said annular bearing surface to form a fluid film between said cylinder barrel and valve plate.

2,272,772
ELECTRICAL MEASURING APPARATUS
Claude M. Hathaway, Denver, Colo., assignor to General Electric Company, a corporation of New York
Application June 4, 1940, Serial No. 338,757
9 Claims. (Cl. 171—95)

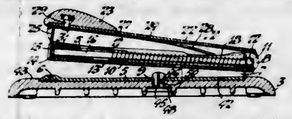


1. In electrical measuring apparatus, an alternating current circuit, a magnetic amplifier having a core of magnetic material provided with a reactance winding, said reactance winding being connected in said circuit in series with a unidirectional current conducting device whereby only half-wave current flows in said winding, a direct current input winding arranged on said core for producing a unidirectional flux in said core, means for energizing said input winding with direct current proportional to a quantity to be measured and of such polarity that the flux produced thereby in said core is in the same direction as the flux produced by said reactance winding, a compensating winding arranged on said core and energized to produce a unidirectional flux which is opposite to the flux produced by said reactance and input windings, and a measuring device connected in series with said reactance winding and said unidirectional current conducting device.

2,272,773
FASTENER-APPLYING IMPLEMENT
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application October 6, 1939, Serial No. 298,265
7 Claims. (Cl. 1—3)

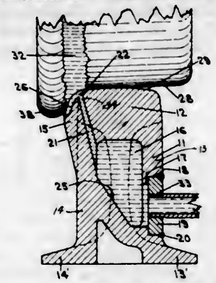
1. In a fastener-applying implement, a bottom member, a magazine-arm adapted to hold a

supply of fasteners, said arm being movable toward and away from the bottom member, a member movable relatively of the magazine-arm, and a single resilient element carried by the last-



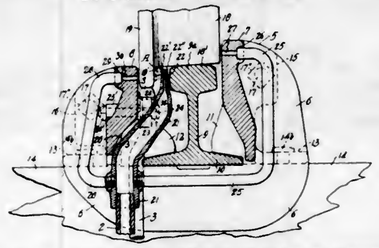
named member and constituting a driver at one end for driving fasteners one at a time from the magazine-arm and a lifting spring at its opposite end for raising the arm from the bottom member.

2,272,774
RAIL LUBRICATOR
John T. McGarry, Cincinnati, Ohio
Application January 27, 1939, Serial No. 253,172
4 Claims. (Cl. 184—3)



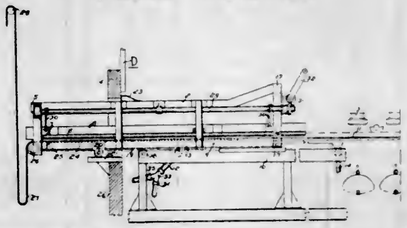
1. A lubricating rail comprising a head member and spaced supports for said member, integral therewith, one of said supports extending directly below the flange-guiding side part of the head member, said side part, over said one of said supports, having therewithin a duct leading from space between said spaced supports up to and having an outlet opening through the flange-engaged side part of the member, and means in lubricant-delivering relation to said duct.

2,272,775
WHEEL FLANGE AND RAIL LUBRICATOR
John T. McGarry, Cincinnati, Ohio
Application February 20, 1939, Serial No. 257,316
12 Claims. (Cl. 184—3)



1. In a combination of the character described, including a track rail and a device disposed at the inner side of the head of the track rail to emit lubricant near said inner side, and including lubricant supply means operative coincident with passage of a wheel over said device to cause emission of lubricant from said device, and including wheel guiding means for so guiding a flanged wheel that the normally track-rail-engaging side of the flange of the wheel, during said passage, is spaced from the track rail sufficiently to prevent damaging contact of said flange with said device, but not sufficiently to prevent adequate reception of the emitted lubricant by said flange, said guiding means being so disposed along a side of said track rail, as to be guidingly engaged by a rim portion of the wheel while said flange of said wheel is receiving the lubricant.

2,272,776
APPARATUS FOR PRESETTING WEAR FILMS
Philip H. Pennell, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Original application July 24, 1936, Serial No. 92,295. Divided and this application December 13, 1938, Serial No. 245,358.
6 Claims. (Cl. 34—152)



1. In an apparatus for presetting a wear film of coating composition carried on a base web, the combination of means for applying heat to the uncoated side of a web to heat the web to a predetermined temperature while it is disposed in a substantially horizontal plane, a radiant heater adapted to heat directly a wear film disposed on said web only after said web has been heated to a predetermined temperature by said heating means, said heater being disposed above the plane of said heating means in position to heat the wear film after the web has passed across a portion of said heating means, and means for moving said web past said heating means and said heater while it is disposed in a substantially horizontal plane.

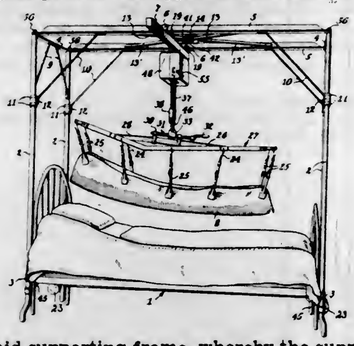
2,272,777
CADMIUM COATING
Georg Reuter, Markranstadt, near Leipzig, Germany
No Drawing. Application December 20, 1939, Serial No. 310,145. In Germany April 27, 1937
9 Claims. (Cl. 91—68.3)

1. A process of producing adherent coatings of cadmium to be deposited on a metal of the group consisting of copper, brass, iron, copper-plated iron, and brass plated iron, without the application of an outside source of electric current, by means of a hot bath treatment, in which the articles to be coated are treated in hot aqueous alkali cadmium salt solutions which contain an excess of free caustic alkali many times by weight that of the dissolved cadmium metal.

2,272,778
APPARATUS FOR LIFTING INVALIDS
Paul A. Reuter, Union, N. J.
Application September 5, 1939, Serial No. 293,383
1 Claim. (Cl. 5—85)

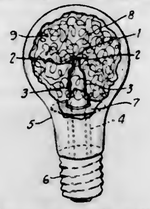
An apparatus for lifting invalids comprising a supporting frame consisting at least of four vertical members, two longitudinal horizontal top

members and two transverse horizontal top members, all said transverse members being firmly secured to said vertical members and all said longitudinal members being revolvably secured to said vertical members, whereby said framework is partly collapsible in a sideways direction, means for rigidifying said supporting frame, said means including a latch extending from one horizontal member of said supporting frame and a slot for said latch, said slot being formed in an integral part of the opposite horizontal member



of said supporting frame, whereby the supporting frame can be rigidified by said latch firmly engaging said slot, a cross bar extending from one longitudinal horizontal top member to the opposite longitudinal horizontal top member of said supporting frame and revolvably secured to such horizontal members, said cross bar being provided with at least one rail carrying at least one roller, a lifter holding a hammock and means connecting said lifter and said roller, said means being adapted to mechanically lift said lifter.

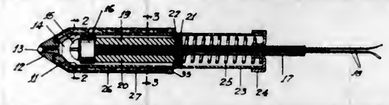
2,272,779
FLASH LAMP
Maurice D. Sarbey, Bay Village, Ohio, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 27, 1939, Serial No. 311,148
5 Claims. (Cl. 67—31)



1. In a flash lamp a combustible element in the form of a long thin body, said element consisting of an alloy comprising .5% to 15% of a metal from the group consisting of zirconium, barium, strontium, cerium and misch-metal and the balance of said alloy being substantially all aluminum.

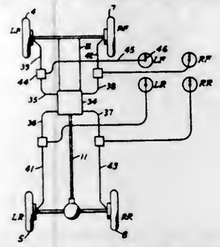
2,272,780
THERMOELECTRIC MARKER
Daniel H. Schweyer, Easton, Pa.
Application June 12, 1939, Serial No. 278,623
4 Claims. (Cl. 219—21)

1. A marker instrument comprising a cylinder holder for holding and directing the instrument, an electric heating element limited to the discharge end of said holder and of a size to substantially fill the cylinder, a central tube connected with said heating element and in which the electric conductors for the heating element are located, a fusible marking compound in said



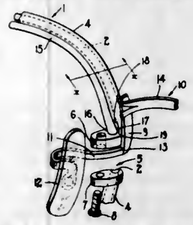
cylinder in rear of the heating element and exposed to said heating element to liquefy the compound in said tube and a nozzle at the discharge end of said tube for applying the marker in the fluid state.

2,272,781
MEANS FOR INDICATING THE DEGREE OF PRESSURE IN PNEUMATIC TIRES
Clarence G. Stone, Mount Vernon, N. Y., and Henry F. Herbig, Galion, Ohio
Application January 16, 1940, Serial No. 314,186
11 Claims. (Cl. 116—34)



1. In a vehicle having a plurality of wheels with pneumatic tires thereon for engaging the roadbed over which the vehicle is traveling, means including a plurality of rotatable shafts for indicating the degree of inflation of said pneumatic tires while traveling on said roadbed, a main drive shaft for said vehicle, means including differential gear structure mechanically connected to said plurality of wheels and the drive shaft and operable in accordance with the relative speeds of rotation of said wheels and the drive shaft for causing the indicating means to give a signal when the instant degree of inflation of one of said tires has decreased with respect to the degree of inflation of another of said tires.

2,272,782
OPHTHALMIC MOUNTING
Harry H. Styll, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 28, 1939, Serial No. 253,401
4 Claims. (Cl. 88—47)



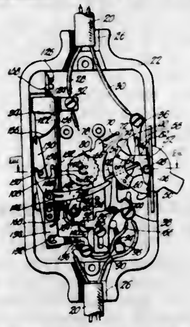
3. An ophthalmic mounting comprising relatively slender metallic lens rims having divided end portions with connecting lugs adjacent the

meeting ends of said divided portions, said lugs having portions extending rearwardly of the rims and means for connecting said lugs, a bridge member having side portions secured to the lugs at a point spaced from the connection of the metallic rims to said lugs, relatively long and slender metallic temple supports each having an end portion secured to one of said lugs at a location between the adjacent portion of the metallic rim and the means for connecting said lugs and shaped substantially to follow the upper contour shape of the metallic lens rims and terminating in temple connections and coverings of non-metallic material fitting over the metallic rims substantially continuously from adjacent one of said lugs to adjacent the other of said lugs with a portion adjacent one of the ends of said coverings shaped to fit between the slender metallic temple support adjacent the attached end thereof and the metallic lens rim and shaped to fit partially about said temple support adjacent said attached end so as to permit the ends of said coverings to abut substantially with the adjacent lug, said non-metallic coverings having such characteristics and being so fitted with the metallic rims as to be self-functioning in maintaining a connected relation with said metallic rims.

2,272,783
AGENTS FOR IMPROVING THE FASTNESS OF DIRECTLY DYED CELLULOSE FIBERS TO WATER, ACID BOIL, AND WET IRONING, AND THEIR MANUFACTURE
Jules Treboux, Neue Welt, near Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application September 25, 1939, Serial No. 296,516. In Switzerland September 22, 1938
10 Claims. (Cl. 260—584)

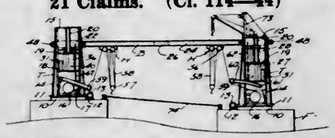
1. Process for the manufacture of water- or acid soluble agents for improving the fastness of directly dyed cellulose fibers to water, acid boil and wet ironings, comprising condensing an aldehyde selected from the group consisting of formaldehyde and acetaldehyde with a polyethylene polyamine and a saturated open-chain aliphatic ketone.

2,272,784
AUTOMATIC SWITCH
Charles H. Wolf and Roy E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Wolf
Application May 13, 1940, Serial No. 334,712
19 Claims. (Cl. 200—122)



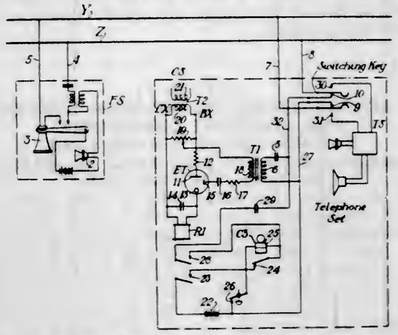
17. In an electric switch of the character described, a switch blade movable to the closed and open-circuit positions with a snap action; a trigger; means operable by the trigger to cause the switch blade to assume the closed-circuit position; a catch to hold the switch blade in the closed-circuit position; a movable member for releasing the catch to cause the switch blade to assume the open-circuit position when the member reaches a certain position; a reciprocating element for moving the member as the element passes along but one of its paths of travel; and thermally responsive structure for carrying the reciprocating element along its path of travel in said one direction, said thermally responsive structure having an electrical heating element and a switch for controlling the supply of current to said element, said switch having connection with the said reciprocating element and adapted to close the circuit supplying current to the heating element as the reciprocating element is carried along its path of travel in said one direction, said switch being opened when the reciprocating element reaches one end of its path of travel in said one direction to allow the thermally responsive structure to be returned to the other end of its path of travel through the cooling of the thermally responsive structure.

2,272,785
SHIP SALVAGING APPARATUS
Carl M. Zoll, Dundalk, Md., assignor to Universal Hydraulic Stress Equalizer, Inc., Dundalk, Md.
Application April 23, 1941, Serial No. 389,974
21 Claims. (Cl. 114—44)



1. In a ship salvaging apparatus, spaced floatation means, elevated girders spanning the space between the floatation means, ship hoisting means carried by said girders, and leveling means supported from the floatation means and maintaining the girders at constant heights above the horizon of a body of water supporting said floatation means independently of vertical movements of the floatation means.

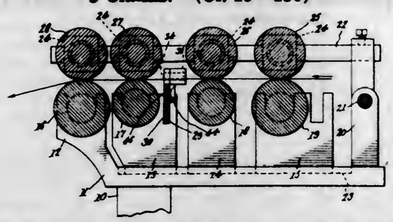
2,272,786
APPARATUS FOR COMMUNICATION SYSTEMS
Norman F. Agnew, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 9, 1941, Serial No. 392,709
10 Claims. (Cl. 179—36)



1. In apparatus for a communication system

the combination comprising, a first and a second station effectively connected by a transmitting channel, telephone means at the first station capable of supplying to said channel a current containing voice frequencies, a receiving circuit including capacitance and inductance at the second station adapted to receive energy from said channel and adjusted to pass a given band of voice frequencies, an electron tube of the controlled ionization type and an electromagnet at said second station, means including a source of current to connect said electromagnet across the anode and cathode of said tube to energize the electromagnet when the tube is ionized but normally ineffective to cause ionization, a control circuit coupled to said receiving circuit and connected to the control element of said tube to initiate ionization of the tube in response to such voice frequency current supplied to the transmitting channel at said first station, and a calling device controlled by said electromagnet.

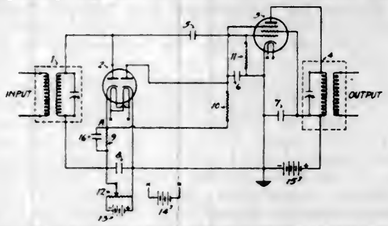
2,272,787
DRAFTING APPARATUS FOR TEXTILE ROVINGS
Edward Allen Bentley, Columbus, Ga., assignor to Swift Manufacturing Company, Columbus, Ga., a corporation of Georgia
Application November 13, 1940, Serial No. 365,524
5 Claims. (Cl. 19—130)



1. In a draft roving apparatus having spaced pairs of drafting rolls, a traversing bar having its forward edge disposed in proximity to one of said rolls, said bar having a recess in its upper portion, a condenser having a reduced forward portion corresponding in shape and size to the bar recess and received therein with its forward face disposed in flush relation to the edge of the bar and having an enlarged rear portion with shoulders engaging the rear face of said bar, the rearward face of the condenser being disposed in proximity to another of the rolls, means to rigidly secure the condenser to the bar, said condenser having a condensing passage extending longitudinally thereof, said passage flaring from a generally circular shape at its forward portion to a horizontally elongated shape at its rearward portion.

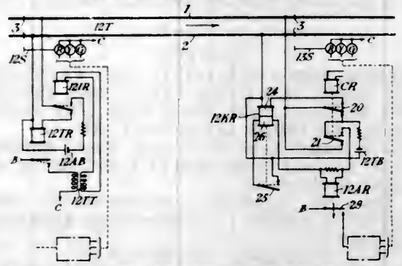
2,272,788
CARRIER OPERATED CONTROL SYSTEM FOR LIMITING AMPLIFIERS
Nathaniel Bishop, Fairfield, Conn.
Application April 11, 1940, Serial No. 329,036
13 Claims. (Cl. 179—171)

6. A limiter for amplifying a wide band of radio frequency signal currents comprising, in combination, an electron discharge tube having an input circuit and an output circuit, means for applying the signal currents to said input circuit, adjustable control means arranged to prevent the passage in said output circuit of amplified signal currents for signal currents in said input circuit below a predetermined level, and control means for limiting the amplified radio frequency signal currents in the output circuit



to a predetermined maximum value, said control means comprising a rectifier and a load impedance connected to said input circuit.

2,272,789
APPROACH CONTROL SYSTEM
Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 24, 1940, Serial No. 354,097
3 Claims. (Cl. 246—38)

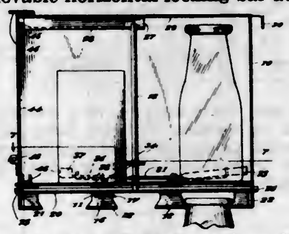


1. In a coded railway signaling system, in combination, a section of railway track over which traffic normally moves in a given direction, a coding device at the exit end of the section for supplying to the section rails "master" code signal control energy consisting of alternate "on" and "off" periods, means at the entrance end of the section and effective when said section is vacant for further supplying to said section rails impulses of "feed back" energy during the "off" periods in the "master" code, a code following detector relay and a slow release approach relay at the exit end of said section, said detector relay having a pick-up and a holding winding, and means controlled by said coding device and operative during the "off" periods in the "master" code to connect the pick-up winding of said detector relay in energy receiving relation with the rails of said section and to establish a circuit over which energy may be supplied to the holding winding of said detector relay and to the winding of the approach relay in series, said circuit being interrupted as long as said detector relay contact is released and being completed on picking up of said contact.

2,272,790
ANTITHEFT CONTAINER
Frank S. Butke and William Fairchild, Evansville, Ind.
Application September 19, 1940, Serial No. 357,476
4 Claims. (Cl. 232—42)

1. A device of the class described comprising a container adapted to receive articles, the container having an open top, the container having a cover adapted to slide across the top of the container to and from a closed position, a hanger

suspended below the container and adapted to engage the neck of a milk bottle to suspend a milk bottle below the container, said hanger comprising a frame having notches designed to receive the bead and neck of a milk bottle and being provided with forward entrance openings, a vertically movable horizontal locking bar adapted to

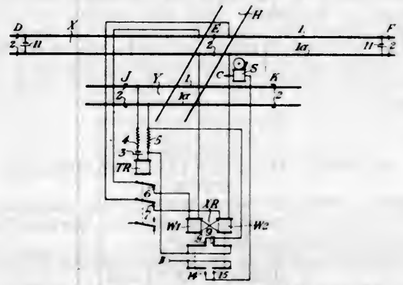


extend across the entrance openings formed in the hanger to retain a milk bottle in the hanger, means for locking the horizontal bar in a retaining position, and means carried by the horizontal bar for engaging the cover to hold the cover in a closed position against sliding movement when the horizontal bar is raised to a releasing position.

2,272,791
CHROMIUM COMPOUNDS OF MORDANT TRIARYLMETHANE DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Achille Consetti, Basel, and Otto Schmid, Muttenz, near Basel, Switzerland, assignors to the firm of J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application February 1, 1938, Serial No. 188,202. In Switzerland February 6, 1937
6 Claims. (Cl. 260—387)

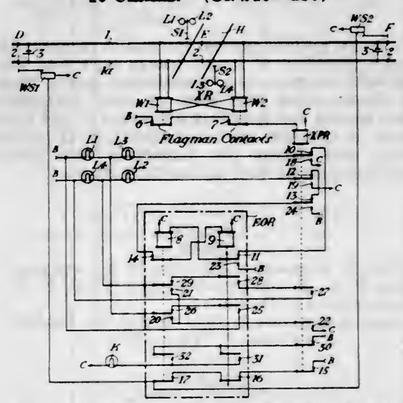
4. The salts of basic complex chromium-compounds of mordant dyestuffs of the triarylmethane class with hydrochloric acid, being coloured products soluble in excess of 10% in lower alcohols.

2,272,792
RAILWAY TRACK CIRCUIT APPARATUS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 22, 1940, Serial No. 341,955
2 Claims. (Cl. 246—130)



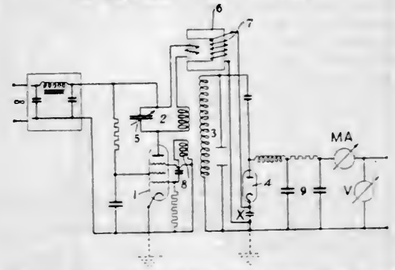
1. In combination, two adjacent stretches of railway track, two insulated sections one for each track, a source of track circuit current and a track relay connected in series across the rails of one of said sections, another source of current connected to the rails of the other of said sections, another track relay connected over a normally closed contact of said first track relay to the rails of said other section, and means controlled by said other track relay when released for reducing the current supplied from said first source to the rails of said first section.

2,272,793
RAILWAY SIGNALING APPARATUS
William T. Derr, Cleveland, Ohio, assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 2, 1940, Serial No. 343,623
10 Claims. (Cl. 246—130)



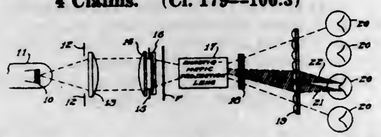
1. In combination at a highway-railway intersection, highway crossing signals of the flashing light type positioned to warn highway traffic of the approach of a train to the intersection, relay means normally energized over circuit means controlled by railway traffic and by the lamps of each of said signals, and means controlled by contacts operated by said relay means when a train approaches the intersection for causing first one and then the other of the lamps of each of said signals to be alternately flashed.

2,272,794
APPARATUS FOR PRODUCING HIGH TENSION DIRECT CURRENT
Leon Ladislas de Kramolin, Berlin-Kladow, Germany
Application June 27, 1939, Serial No. 281,312
In Germany July 6, 1938
12 Claims. (Cl. 175—363)



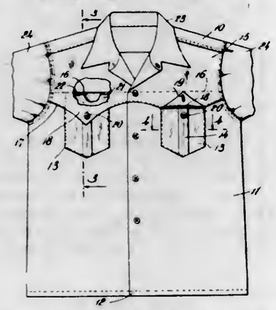
1. In an apparatus of the class described, means for generating an alternating current wave of high frequency of the order of the range of radio frequencies, means for transforming said wave to a high potential high frequency current, means for rectifying said current, and means for controlling the high frequency alternating current in response to the rectified current consumption.

2,272,795
PHOTOELECTRIC SOUND REPRODUCER
Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1940, Serial No. 325,373
4 Claims. (Cl. 179—100.3)



1. In an optical system for sound reproduction from a plurality of sound tracks on a film movable with respect to a translation point, means for illuminating the film at said translation point, means for directing an image of the sound tracks on the film onto a plurality of cylindrical lenses, and means for dispersing said images longitudinally of said cylindrical lenses.

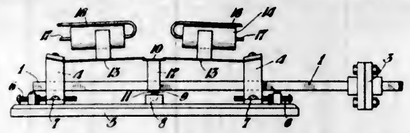
2,272,796
SHIRT
Jerome N. Doumaux, Bayside, N. Y., assignor to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1940, Serial No. 343,618
4 Claims. (Cl. 2—115)



1. A body garment which comprises a back and a front having side edges which are shaped to define armholes and are connected together below the armholes, the front being made up of a yoke at the top and a lower front panel, the yoke having an upper edge which with the upper edge of the back is formed to provide a neck opening, said upper edges being connected together along the shoulders on opposite sides of the neck opening, the upper edge of the lower front panel lying above the level of the bottoms of the armholes and being overlain by the lower edge of the yoke, pockets attached to the lower front panel on opposite sides of the vertical median line of the front, a pair of extensions from the lower edge of the yoke overlying the tops of the pockets and providing closure tabs therefor, the yoke being secured along its lower edge to the lower front panel on either side of and between the tabs only, and sleeves secured to the edges of the armholes.

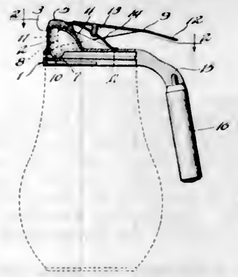
2,272,797
VIBRATION-OPERATED SWITCH
Bert Elster, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application August 10, 1939, Serial No. 289,478
2 Claims. (Cl. 200—52)

1. In combination with a machine which vibrates excessively when operating improperly, a vibration transmitter connecting with said machine, a latch device operatively connected with said transmitter and releasable upon the transmission of vibration of determined amplitude



through said transmitter and a control element operative by releasal of said latch device, the latter being positively fixed against movement with said transmitter by means that is stationary respecting said machine.

2,272,798
DISPENSING DEVICE FOR CONTAINERS
Edward R. Hacmac, Hollywood, Calif.
Application October 26, 1938, Serial No. 237,015
2 Claims. (Cl. 65—31)

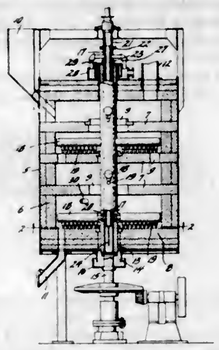


2. A combined cover and flow shearing device adapted for dispensing viscous liquids and having a body member with an upwardly extending dispensing spout provided with a longitudinally arcuate stationary shearing member having sockets and a counter-sunk guideway therein, and a longitudinally arcuate rigid shearing member mounted for rotation in said guideway for closing said spout and shearing the flow therefrom, means for operating said rotatable member, comprising a lever fulcrumed on the stationary member and a spring between the lever and the members and anchored to the movable member but slidable on the stationary member, the parts being so assembled that the spring will normally force the movable member to close the spout but downward pressure on the lever will cause the spring to slide on the stationary member and move the movable member to open the spout.

2,272,799
METHOD FOR TREATING PHOSPHATE ROCK
Johnson Hagood, Safety Harbor, Fla., assignor to Southern Phosphate Corporation, Bartow, Fla., a corporation of Delaware
Application October 25, 1939, Serial No. 301,307
6 Claims. (Cl. 71—46)

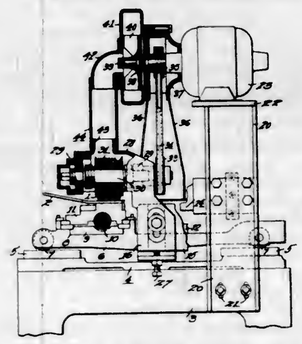
1. The method of converting phosphate rock to a citrate soluble form which comprises subjecting a mixture of phosphate rock and an alkaline alkali-metal compound to a temperature sufficiently high to effect such conversion while maintaining the mixture in a substantially horizontal, flat layer of substantially uniform thickness and simultaneously with said heating subjecting the particles of the mixture to movement

relative to one another such as to maintain the material in the layer in a loose, porous and gas-



permeable condition, whereby the heating of the material is substantially uniform throughout the layer.

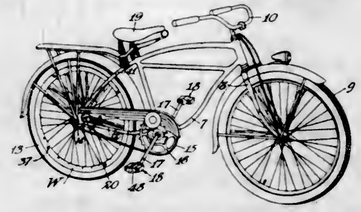
2,272,800
RECIPROCATING TRIMMER MECHANISM FOR BRISTLING MACHINES
William Penn-Gaskill Hall, Berwyn, Pa., and Albert O. Bell, Leominster, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 10, 1940, Serial No. 360,638
16 Claims. (Cl. 300—17)



1. In a brush bristling machine, a movable brush holder, and means to move the same in at least one direction, a trimmer mechanism for bristles previously set in a brush blank in said holder, said mechanism being mounted on said bristling machine and being constructed and arranged to travel with said holder in said one direction and relatively transversely thereto.

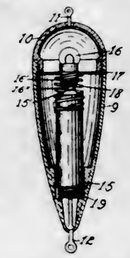
2,272,801
BICYCLE
Nykyfor Hawrylasz, Minneapolis, Minn., assignor of one-half to Henry A. Dankelmann, St. Paul, Minn.
Application February 24, 1940, Serial No. 320,682
4 Claims. (Cl. 280—212)

1. In a rider propelled wheeled vehicle, a frame, wheels including a drive wheel supporting said frame, a rotary rider operated drive device connected to said drive wheel, said drive device being positioned on said frame for direct rider contact, a relatively heavily weighted rim on said drive wheel to maintain momentum of said vehicle after speed is built up, and said rotary drive device being weighted to constitute a flywheel member, whereby force applied directly



to said drive device by the rider will build up momentum and supplement force transmitted from the rider through said drive device to said heavily weighted drive wheel.

2,272,802
BOB FOR FISHING LINES
Carl W. High and Edmund W. Roberts, Jr., Cincinnati, Ohio
Application March 5, 1940, Serial No. 322,360
3 Claims. (Cl. 43—49)

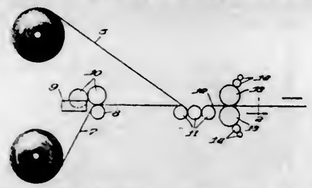


1. A bob for fishing lines comprising a hollow casing made up of two sections detachably connected together with a water tight joint, the lower section tapered downwardly, the upper section of an approximately hemi-spherical form, the upper section comprised of translucent material, an electric battery within the casing, an electric light bulb within the casing, the filament end of the bulb in the upper section, the bulb disposed with its central terminal in electrical contact with the central terminal of the battery, a metal disk disposed beneath the upper section of the casing, the disk being adapted to receive the threaded portion of the bulb and to support the bulb centrally of the casing, electrical conducting means comprising a spring between the disk and the outer surface of the battery, and a second spring between the lower end of the battery and the inside lower end of the casing.

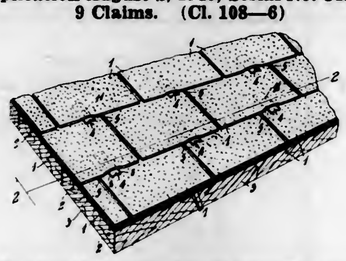
2,272,803
METHOD OF MANUFACTURING FANFOLD STATIONERY
Elwood J. Horner, Cleveland, Ohio, assignor to United Autographic Register Co., a corporation of Illinois
Application June 10, 1940, Serial No. 339,782
3 Claims. (Cl. 270—5)

1. The method of producing fanfold stationery, comprising: drawing two separate webs of stationery into marginally overlapped relation in a printing press and adhesively securing the overlapped portions to each other; printing

and scoring the compound web thus formed in the press; and making reverse folds along alternate longitudinal lines of scoring as the stationery leaves the press.

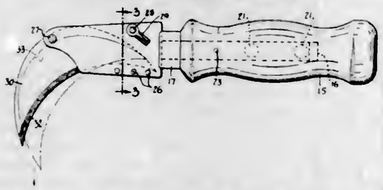


2,272,804
DEVICE FOR VENTING SHINGLED ROOFS
Herbert W. Hudson, Columbus, Ohio
Application August 2, 1940, Serial No. 349,557
9 Claims. (Cl. 108—6)



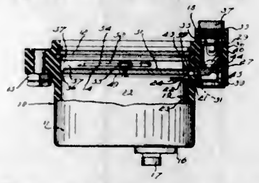
1. A reconditioned shingled roof comprising overlapped shingles, a channeled spacer under the shingles to raise portions of the overlapped shingles and maintain a drainage vent between the spacer and the shingles, and a weather protecting surface applied to the vented shingles.

2,272,805
DRAWKNIFE
Torkel Jaasund, New York, and Magne Hetland, West New Brighton, N. Y.
Application September 9, 1939, Serial No. 294,078
1 Claim. (Cl. 30—317)



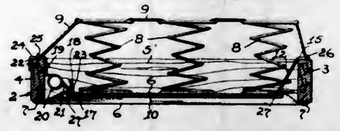
A draw knife comprising a single handle having an axial recess of rectangular cross section, a ferrule fixed on said handle and having a narrow slot in register with the recess, a pair of metal plates riveted together to constitute a shank fixed in said ferrule to extend into the recess, a retaining pin passed transversely through said handle and shank, said plates extending outwardly in close parallelism from said shank, a keeper pin fixed in said plates, a crescent shaped double ended blade operatively engaged between said plates and having a notch midway the length of its convexly curved rear edge to engage said keeper pin, a bolt passed through said plates outwardly beyond the edge of said blade, and a nut on said bolt having a lever handle to clamp said blade between said plates.

2,272,806
ILLUMINATING INDICATING INSTRUMENTS
Maximilian Klein, Sellersville, and William E. Pfeffer, South Perkasie, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Application November 29, 1938, Serial No. 243,045
10 Claims. (Cl. 240—2.1)



1. An indicating instrument comprising a casing, a dial, a pointer, a lamp mounted in said casing adjacent an edge portion of said dial, and means to cause said lamp to illuminate said dial and pointer, comprising a lens to parallel rays of light emitted from said lamp, a prism to disperse said light rays substantially evenly through the body of said dial and above said dial toward said pointer, and a reflector surrounding said pointer and reflecting light toward said pointer.

2,272,807
UPHOLSTERY CONSTRUCTION
Jacob Kronheim, Cleveland Heights, Ohio, assignor to John C. Lincoln, Scottsdale, Ariz.
Application October 25, 1938, Serial No. 236,879
8 Claims. (Cl. 155—179)

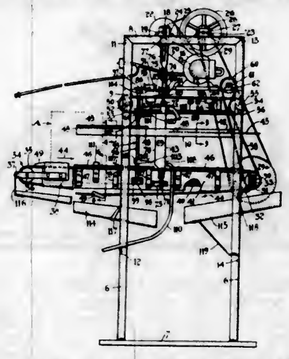


1. In a seat frame construction for upholstered furniture a frame, a one-piece webbing secured to said frame and auxiliary webbing tensioning and supporting means, said auxiliary means embodying a flat, corrugated spring member having its ends extended through said webbing and a bracket member secured to said frame and supporting one of the ends of said spring member, said spring member being provided with an integral upwardly extended suspension means at its other end including an attachment end portion inclined with respect to said suspension means, the combined length of said bracket and spring member being less than the width of said frame for effecting longitudinal stretching and bending stresses in said spring member when said attachment portion of said suspension means is drawn toward and secured to said frame.

2,272,808
HONEYCOMB UNCAPPING MACHINE
John W. McFadyen, Tiverton, Ontario, Canada, assignor to F. W. Jones & Son, Bedford, Quebec, Canada, a partnership consisting of Harry W. Jones and Mrs. R. L. Craighead
Application December 18, 1940, Serial No. 370,698
14 Claims. (Cl. 6—12)

1. A honeycomb uncapping machine comprising a lower endless supporting carrier on which the honeycomb frames are arranged in upright position with the wax cappings to be removed lying in planes substantially parallel with the sides of the carrier, an upper endless carrier arranged to engage the top of the frames mounted

on the lower carrier and to cooperate with the latter in moving the frames along a predetermined path of travel, uncapping means arranged at a point intermediate the length of the path of travel of said frames and adapted to engage



and remove the wax cappings from the frames as the latter are carried past the uncapping means by the travelling motion of the carriers, and means for actuating said carriers so that the frame engaging portions thereof are continuously moving in the same direction.

2,272,809
DERIVATIVES OF THE NUCLEAR SATURATED AND UNSATURATED PREGNANE SERIES AND PROCESS FOR MAKING SAME
Karl Miescher, Riehen, and Albert Wettstein, Basel, Switzerland, assignors, by mesne assignments to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application November 10, 1939, Serial No. 303,911. In Switzerland November 15, 1938
6 Claims. (Cl. 260—397.4)

1. The saturated and unsaturated pregnane-21-als containing in 20-position a member of the group consisting of an esterified and an etherified hydroxyl group.

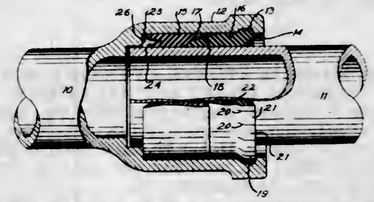
2,272,810
PRINTING CELLULOSIC TEXTILE MATERIALS
Denys Percival Milburn, Bombay, India, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 10, 1940, Serial No. 356,209. In Great Britain March 10, 1937
9 Claims. (Cl. 8—65)

1. A process of printing cellulosic textile materials in resist styles to produce patterns on a colored ground which comprises applying to the cellulosic textile material a resist printing paste which contains as the active resist agent a compound of the general formula

$$R-\underset{\underset{O}{\|}}{C}-N(X)-CH_2-N(\text{tert})-Y$$

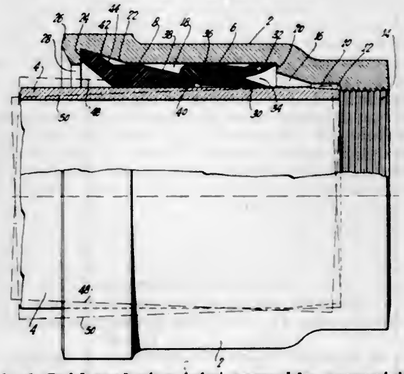
wherein R stands for a long chain aliphatic radical containing at least 11 carbon atoms, X is a member of the group consisting of hydrogen and hydrocarbon radicals, N(tert) represents the entire molecular structure of a tertiary amine selected from the group consisting of tertiary aliphatic amines and tertiary heterocyclic bases, and Y stands for the monovalent anion of an acid, steaming the material, and then dyeing it to produce a ground shade.

2,272,811
SEALING STRUCTURE
Tracy D. Nathan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 14, 1937, Serial No. 163,812
11 Claims. (Cl. 285—163)



1. A fluid-seal pipe-joint assembly comprising an inner pipe member, an outer pipe member surrounding the inner member and therewith defining an annular space, a resilient gasket mounted in said space having one end of the gasket exposed to the fluid-pressure and the other end provided with a wedge face, said gasket at its fluid-pressure contacting end being provided with tapered lips pressing resiliently against said pipe members, and a wedge gasket of resilient material held against movement outwardly of the space and engageable with the wedge face of the first said gasket so that axial movement of the first said gasket as a result of the fluid pressure against it causes a wedging of the gaskets against each other and the pipe members.

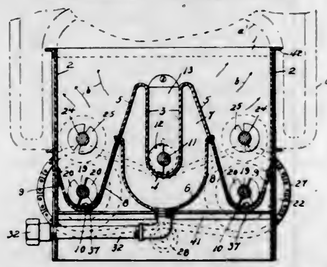
2,272,812
PIPE JOINT
William B. Neal, Oak Park, Ill., assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 7, 1937, Serial No. 146,726
3 Claims. (Cl. 285—163)



1. A fluid-seal pipe joint assembly, comprising, in combination, an inner pipe member, an outer pipe member, the pipe members defining an annular space between them communicating with pressure of fluid flowing through the pipe members, an annular retaining rim at each end of the annular space, cooperating resilient wedge-acting packing means within the annular space

abutting against the retaining rims and held in position thereby and also engaging the pipe members, and means for leading fluid from the pipe members into pressure engagement with the packing means for forcing the said means into complete sealing position, said last-named means comprising a recess radially inward of the innermost retaining rim of the outer pipe member for receiving an adjacent portion of the packing means to prevent pinching the latter upon insertion of the inner pipe member and clearance for angular disposition of the pipe members with respect to each other.

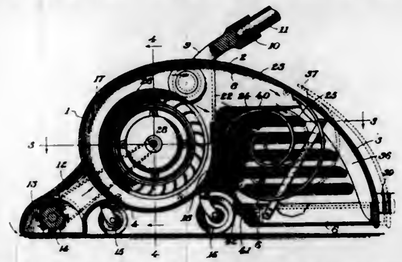
2,272,813
MECHANICAL STOKER OPERABLE WITH NATURAL DRAFT INSTALLATIONS
Joseph T. Norman, Huntington Mills, Pa., assignor of fifty-five per cent to Edith J. Norman and forty per cent to Mabel M. Baer, both of Huntington Mills, Pa., and five per cent to Arthur W. Widger, Shickshinny, Pa.
Application February 15, 1939, Serial No. 256,577
13 Claims. (Cl. 122—371)



1. In apparatus of the class described, a box comprising end and side walls, a longitudinally disposed double walled body located in said box and enclosing a water chamber, said body comprising a central longitudinal channel and outwardly-downwardly inclined imperforated walls, grates U-shaped in cross-section extending parallel to said body and having a perforate side wall constituting downward extensions of said outwardly-downwardly inclined walls, a coal supply source, means to convey coal from said source into and along the bottom of said central channel and upwardly therein to spill over the sides onto said outwardly-downwardly inclined walls, said grates each also including an imperforate bottom and a second perforate wall, said perforate walls and imperforate bottom of the grates constituting side channels into which the coal spills from said central channel, means to remove ashes from said side channels, and means to pass water into said water chamber and to pass water and steam out of the same.

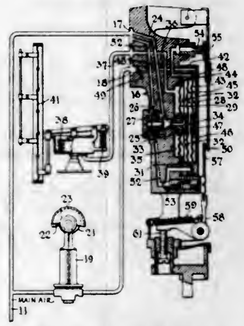
2,272,814
VACUUM CLEANER
Carl W. Olson, Minneapolis, Minn.
Application July 15, 1940, Serial No. 345,618
4 Claims. (Cl. 15—8)

1. A suction cleaner comprising a casing, an inlet nozzle secured to the casing, means dividing the casing into a pair of inlet chambers each opening into the nozzle, a relatively small suction chamber between the inlet chambers and opening upon opposite sides thereof into the inlet chambers, and a relatively large dust chamber opening into the suction chamber, said casing having screen closed outlet openings therein for direct communication of the dust chamber to the atmosphere, suction means within the suction chamber, spiral means within the dust chamber and disposed in the path of the dust laden air from the suction chamber for directing the same in a spiral path to reduce the velocity thereof



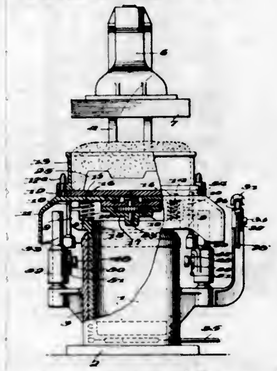
and for separating dust from the air, a removable wall portion for the casing, and a dust receiving receptacle slidably mounted in the casing for receiving the dust from the dust chamber and carried by said wall portion for removal therewith.

2,272,815
REGULATING DEVICE
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1938, Serial No. 229,636
7 Claims. (Cl. 236—82)



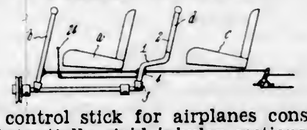
1. The combination of a source of pressure fluid; a fluid pressure operated device to be controlled by varying the pressure thereon; means forming a controlled chamber connected with said device; means forming a controlling chamber; a movable abutment separating said chambers and adapted to move in response to pressure differentials between said chambers; means yieldably urging said abutment toward the controlling chamber; an inlet and exhaust valve mechanism arranged to be actuated by said abutment and serving to close the exhaust and admit pressure fluid to the controlled chamber when the abutment moves toward the controlled chamber, and to terminate the supply and open the exhaust on reverse movement; means responsive to an atmospheric condition for establishing different fluid pressures in the controlling chamber; loading means independent of the last named fluid pressure for urging said abutment toward said controlled chamber, said loading means comprising a flexible diaphragm defining a wall of the controlling chamber; and means for forcing said diaphragm into thrust relation with said abutment.

2,272,816
MOLDING MACHINE
Earl F. Oyster, Cleveland, Ohio
Application August 10, 1939, Serial No. 289,500
6 Claims. (Cl. 22—45)



1. The improvement in molding machines including a base member, a table flexibly mounted thereon, said table affording a support for a pattern plate, a pattern mounted on said plate, a flask containing molding material surrounding said pattern, rotatable means mounted on said table, said means being revoluble about an axis spaced from the center of its mass, and means for rotating said rotatable means to cause said table to vibrate and thereby compact the molding material within the flask about said pattern.

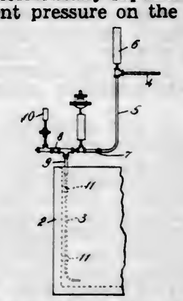
2,272,817
COLLAPSIBLE CONTROL STICK FOR AIRPLANES
John E. Palmer, Reading, Mass.
Application December 4, 1939, Serial No. 307,351
5 Claims. (Cl. 244—84)



1. A control stick for airplanes consisting of two substantially rigid tubular sections, a block in one end of each section, one of said blocks being located within the end of its section to provide a shallow socket, and the other block extending from its section and being adapted to enter said socket and center the sections in alinement with each other, said blocks being formed with alined passageways extending lengthwise of the stick, a flexible tie member passing freely through certain of said passageways and being anchored in one of said sections, a spring anchored in the other section and connected to said tie member in a manner to exert tension thereon, a bolt slidably occupying other of said alined passageways, and means external to the stick in coupled connection with said bolt for withdrawing it.

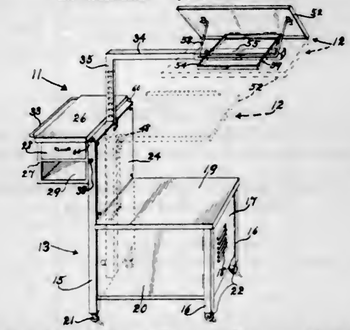
2,272,818
METHOD OF TREATING SOLUTIONS
Gregory A. Petroe, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application July 27, 1939, Serial No. 286,945
2 Claims. (Cl. 23—1)

1. In the chlorination of liquid media, the improvement which comprises discharging chlorine into the liquid to be chlorinated through a horizontally disposed fishtail nozzle placed a substantial distance below the surface of the liquid so that the chlorine is discharged into the liquid in the form of a horizontally expanding film, maintaining sufficient pressure on the chlorine prior



to its discharge into the liquid to prevent substantial vaporization of the chlorine up to the point of discharge and to cause the chlorine to be introduced into the liquid at such velocity that sufficient horizontal travel is imparted to remnant portions of the film to cause a circulatory agitating motion in the liquid.

2,272,819
HOSPITAL TABLE
William C. Poetsch and Walter R. Poetsch, Chicago, Ill.
Application March 6, 1939, Serial No. 260,090
12 Claims. (Cl. 312—162)

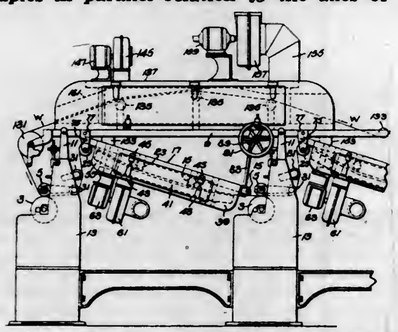


6. A table device adapted for use alongside a hospital bed, comprising a stationary table section and a companion table section which is readily adjustable relative thereto and is adapted to be placed above the bed, supporting means carrying the stationary section and including means substantially in the form of a cabinet which may extend underneath the bed and fit closely thereunder to prevent tipping of the device and is also adapted for housing articles, and means associated with the supporting means to counteract the weight of the adjustable section and prevent any sudden dropping thereof.

2,272,820
PRINTING PRESS AND THE LIKE
Leroy Q. Presby, Melrose, Mass., assignor to Rotogravure Engineering Co. of Massachusetts, Boston, Mass., a corporation of Massachusetts
Application July 27, 1939, Serial No. 286,826
2 Claims. (Cl. 101—416)

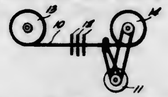
1. A printing press having, in combination,

spaced printing couples each comprising cooperating printing and impression cylinders, means for passing a web through said couples in series comprising a drier for the web, said drier comprising an elongated casing positioned between said couples in an inclined position, said casing carrying web guide means movable therewith and comprising at one end portion thereof a wall having a slot for the passage of the web, which slot is positioned adjacent one of said couples in parallel relation to the axes of the



cylinders of such couple adjacent a horizontal plane which includes their line of tangency, said drier adjacent the opposite end portion of the casing being supported adjacent the other couple for swinging about an axis above the line of tangency of the cylinders thereof parallel to the axes of said cylinders, and means for moving said drier for raising and lowering the first mentioned end portion of said casing for adjusting said slot into operative relation with printing cylinders of different diameters.

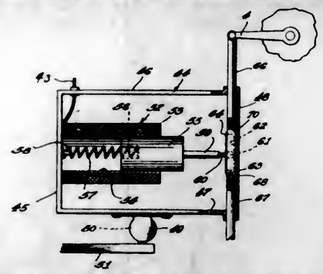
2,272,821
TELEGRAPHONE
Henry E. Roys, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1939, Serial No. 287,066
1 Claim. (Cl. 179—100.2)



A telegraphone including means for moving a magnetizable ribbon between pole pieces, said pole pieces including pole pieces adapted to cooperate with a portion only of the width of said material, other pole pieces adapted to cooperate with a different portion only of said material, other pole pieces adapted to cooperate with an edge only of said material, other pole pieces adapted to cooperate with the edges of said material for transverse magnetization, and other pole pieces cooperating with the surfaces of said material for longitudinal magnetization.

2,272,822
GOVERNOR
Anthony B. Rausch, Pueblo, Colo.
Application July 11, 1940, Serial No. 344,989
3 Claims. (Cl. 74—2)

1. In a governor, a carburetor control unit including a housing having a front wall, guides on the front wall, throttle rod elements having opposed end portions slidable in the guides, a throttle breaker arm slidable between the guides and between the throttle rod elements, and means within the housing and operable for displacing the breaker arm whereby the connection between



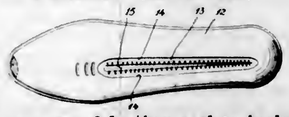
the throttle rod elements will be broken and one of said elements will be permitted to shift for closing a throttle.

2,272,823
LAST FOR SHOEMAKING
Arthur Sbicca, Philadelphia, Pa.
Application April 27, 1940, Serial No. 331,927
2 Claims. (Cl. 12—133)



1. A last for making shoes of the pump type, having an upwardly extending long narrow straight top at the waist portion, at approximately the height of the upper edge of a shoe of conventional pump type and of approximately the length of the upper edge of such a shoe; whereby said last is adapted to support the adjacent sides of such an upper when connected together along a substantial portion of their upper edges and placed thereon in the act of lasting a shoe.

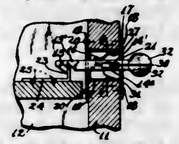
2,272,824
PROCESS FOR LASTING SHOES
Arthur Sbicca, Philadelphia, Pa.
Application June 12, 1940, Serial No. 340,000
5 Claims. (Cl. 12—145)



1. The process of lasting a shoe including the steps of securing in predetermined relation oppositely disposed side portions, originally separate from each other, of an upper having a lining secured thereto, by sewing together projecting top edges of said lining, placing the upper and lining on a last, and then drawing the upper and lining over the last and securing the lower marginal portions thereof to the sole portion of the shoe.

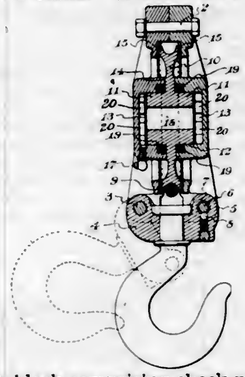
2,272,825
LOCK FOR KITCHEN CLOSETS
Einar Anderson, New York, N. Y.
Application July 29, 1941, Serial No. 404,493
3 Claims. (Cl. 292—128)

1. In a lock for kitchen doors, a tubular casing for mounting on and through a closet or the like door, a bolt for engagement with a fixed keeper extending through and pivotally mounted intermediate of its ends on said casing, resilient means for urging said bolt to engage said keeper, said bolt having a slot extending longitudinally of its length, a pintle passing through said slot for



pivotally supporting said bolt as before mentioned, and means for holding said bolt in various fixed longitudinally adjusted positions in relation to said pintle.

2,272,826
SNATCH BLOCK
Harold W. Bardsley, Tulsa, Okla.
Application October 31, 1939, Serial No. 302,224
1 Claim. (Cl. 254—193)



A snatch block comprising cheek plates having relatively large bearing chambers therein in registration with each other, a sheave between said plates, relatively large outwardly extending hubs carried by opposite sides of said sheave and having bearings in said chambers, said cheek plates having inwardly extending annular flanges engaging opposite sides of the sheave to the outside of the hub and also engaging the peripheries of the hubs, the outer ends of the hubs terminating at points spaced from the inside surfaces of the plate chambers, thereby forming lubricant receiving means, for supplying lubricant to one of the chambers between the hub end and the inside surface of the plate chamber, said hubs having a lubricant passage extending therethrough and connecting both chambers and lubricant baffle lugs carried by the inside surfaces of the plate chambers and to the outside of the hub ends.

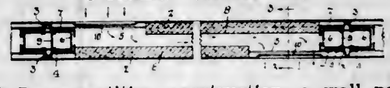
2,272,827
OPTICAL RESIN COMPRISING A POLYMERIZED UNSATURATED METHYLENE COMPOUND CONTAINING A POLYNUCLEAR AROMATIC COMPOUND
Carl E. Barnes, Worcester, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1939, Serial No. 254,228
2 Claims. (Cl. 260—83)

1. A transparent, homogeneous optical resin formed of a polymerized substance comprising a polymerizable unsaturated mono - methylene compound polymerized in the presence of triphenyl benzene which is fully dissolved in the polymer.

2,272,828
PRODUCTION OF POLYVINYL ACETALS
Herbert Berg, Burghausen, Oberbayern, Germany, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application February 15, 1939, Serial No. 256,509. In Germany February 26, 1938
4 Claims. (Cl. 260—66)

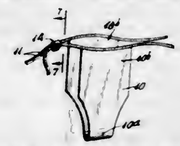
1. Method of producing a polyvinyl acetal in pulverulent form which comprises condensing polyvinyl alcohol and a compound from the group consisting of aldehydes and ketones, in a concentrated aqueous reaction medium in the substantial absence of organic solvents while subjecting the reaction mixture to a kneading action, the amount of water in the reaction mixture being such that at the end of the condensation reaction the reaction mixture is converted to a crumbly mass, and adding water to said crumbly mass to precipitate the condensation product in pulverulent form.

2,272,829
PARTITION
John A. Bohnsack, Cleveland Heights, Ohio, assignor to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio
Application September 26, 1938, Serial No. 231,675
3 Claims. (Cl. 189—34)



1. In a partition construction, a wall panel comprising spaced-apart, substantially parallel plates, each of said plates being provided with a group of ventilating openings located adjacent opposite edges of said plates, respectively, and imperforate portions of said plates extending between such groups of openings; and sound-insulating material covering the inner faces of said plates except at such openings, whereby a layer of such material faces each group of such openings and the passageway connecting the two groups of openings is likewise lined with such material, such passageway being open and unrestricted thus permitting free travel of the air but insuring absorption of sound.

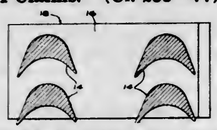
2,272,830
SANITARY TEMPORARY PANTY
Jacob Brody and Harry Brody, Brooklyn, N. Y.
Application June 8, 1940, Serial No. 339,538
2 Claims. (Cl. 2—224)



1. In a sanitary temporary panty of waterproofed paper having separate strap sections adapted to be engaged about one's waist and tied at the sides of one's body for supporting said panties, means temporarily connecting together adjacent strap sections to one side of one's body

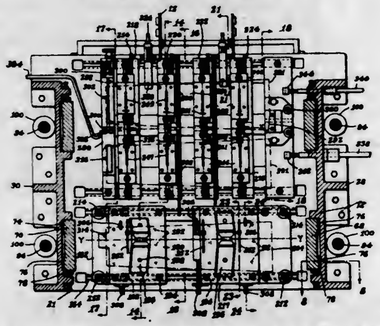
while the strap sections on the other side of one's body are being tied to assist in positioning the panties on one's body, comprising a ring engageable upon the strap sections to one side of one's body, and means on said ring frictionally maintaining said ring in various shifted positions along the length of said strap sections, comprising resilient prongs stamped from opposite sides of said ring and engaging opposite sides of said strap sections.

2,272,831
TURBINE BLADE
Joseph F. Chalupa, Norwood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1939, Serial No. 293,869
4 Claims. (Cl. 253—77)



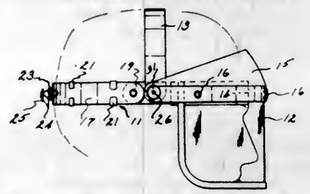
1. A turbine blade unit comprising a side-entry root, and a plurality of pairs of axially-spaced blades integral with the root, said pairs of blades being circumferentially spaced and aligned.

2,272,832
MACHINE FOR EMBOSSING AND SLOTTING BLANKS
Walter R. Chesley, Somerville, Mass., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Original application June 12, 1936, Serial No. 84,886, now Patent No. 2,233,000, dated February 25, 1941. Divided and this application April 29, 1940, Serial No. 332,311
13 Claims. (Cl. 164—21)



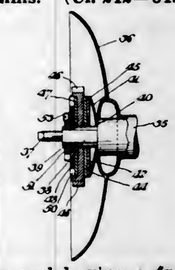
1. In a machine for forming a slotted spring casing blank, a plurality of parallel slotting punches longitudinally and laterally adjustable, an end stop and fixed side stops associated with said punches for positioning a blank relative thereto, a second group of parallel slotting punches longitudinally and laterally adjustable, means to convey said blank from said first group of punches to said second group of punches, each punch of said first group being associated with a punch of said second group to form a pair of punches, the punches of each pair being in alignment and laterally adjustable as a unit, an adjusting screw connecting said pair of punches together so that each punch of said pair may be adjusted longitudinally with respect to the other, an end stop member, and adjustable side stop members for positioning said blank with respect to said second group of punches, said punches being arranged to make a plurality of slots of varying lengths in the blank.

2,272,833
PROTECTIVE DEVICE
Charles H. Dockson, Detroit, Mich.
Application July 11, 1940, Serial No. 344,950
18 Claims. (Cl. 2—8)



1. A protective device comprised of a flexible adjustable headband, consisting of an arcuate front member, arcuate rear member pivoted to said front member, an intermediate arcuate member adjacent said rear members and substantially coextensive therewith with its inner surface coinciding with the inner surface of the front member to form a substantially continuous and smooth head engaging surface, and means secured to said intermediate member for slidably supporting said rear members, to permit peripheral adjustment of said headband; and a shield pivoted to said front member.

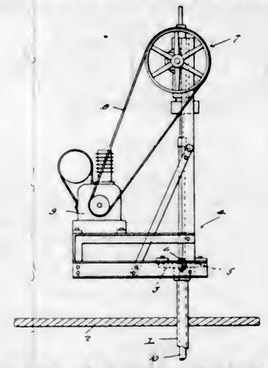
2,272,834
FISHING REEL
William Drautz, Philadelphia, Pa.
Application May 13, 1940, Serial No. 334,797
7 Claims. (Cl. 242—84.5)



1. In a fishing reel having a frame including end housings, and a spool having its spindle journalled in said end housings, the means for preventing undesired free spinning of the spool which comprises a ratchet rotatably mounted on the spool spindle, a friction disc mounted on each side face of said ratchet, a disc spring mounted on the spindle causing said friction discs to bear against the side faces of said ratchet, a nut threaded on the spool spindle for adjusting the tension of said disc spring, means for securing said nut in adjusted positions, and a movable member having a portion adapted to engage a tooth of said ratchet to arrest the movement thereof.

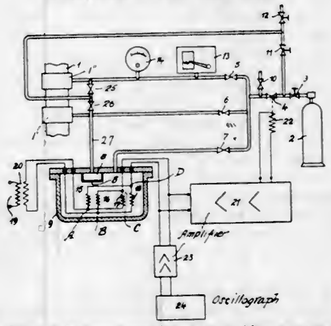
2,272,835
DRILLING APPARATUS
Ennis Geraghty, New York, N. Y.
Application November 23, 1937, Serial No. 176,136
3 Claims. (Cl. 255—19)

1. Drill apparatus for rotating a core drill in a hammer-driven over-burden casing extending above ground or water level, comprising in combination a relatively light-weight frame, drill rotating and feeding mechanism mounted on said frame for receiving and rotating a drill rod connected to said core drill, a relatively light-



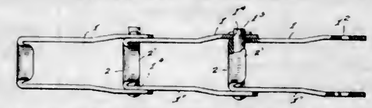
weight engine also mounted on said frame, a driving connection between said engine and drill rotating and feeding mechanism, and means on said frame aligned with said drill rotating mechanism and concentric with said drill rod for supporting the frame on and securing it to the top of the casing.

2,272,836
HEMADYNAMOMETER
Hans Gerdien, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 24, 1938, Serial No. 192,309
In Germany March 12, 1937
4 Claims. (Cl. 128—2.05)



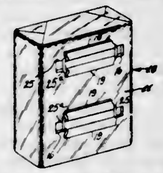
1. A hemadynamometer operative according to the compensation method, comprising in combination a pneumatic arm-bandage, a hermetically-closed chamber, a conduit connecting said bandage with said chamber so as to produce puffs of gas in said chamber in response to fluctuations of the pressure in said bandage, an instrument for measuring said pressure, means in communication with said bandage and said chamber for supplying compressed gas to said bandage and said chamber, said means comprising a device for controlling said supply, a set of bolometric resistors arranged in said chamber near said conduit so as to be exposed to said puffs of gas, a current source connected with said set of resistors for heating said resistors, and electric connecting means between said resistors and said control device for adjusting said device in response to the resistance variations of said resistors caused by said puffs.

2,272,837
DRIVE AND CONVEYER CHAIN LINK
Jacob H. Getz and George J. Getz, Morton, Ill.
Application April 17, 1941, Serial No. 389,049
10 Claims. (Cl. 74—254)



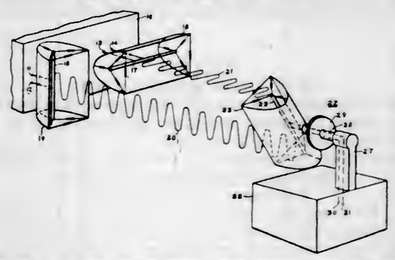
9. A drive and conveyer chain link for a substantially flat ribbon material substantially U-shaped whose widest walls face each other, opposite edges of the joining portion of the said extensions being extended toward and into the said space and facing each other in spaced relation and lying in planes substantially paralleling the plane of the link creating a channel between them, there being an opening through each extremity of the extensions near the said joining portion, the walls of the openings lying nearest said joining portion lying in line with the channel portion at its channel-bottom, there also being an opening through each extremity distant from the joining portion, the resultant openings lying opposite and in register with each other.

2,272,838
CIGARETTE PACKAGE
William Gordon, Brooklyn, N. Y.
Application January 14, 1941, Serial No. 374,331
4 Claims. (Cl. 206—48)



1. A cigarette package having a jacket formed with a pair of spaced parallel slots through which the cover of a book of matches may be passed for mounting the book of matches on said package, said parallel slots having upwardly and downwardly bent edge portions to reinforce its top and bottom edges, and elastic bands mounted on said edge portions and having end portions extending across the end portions of said slots for resiliently gripping the edges of said cover.

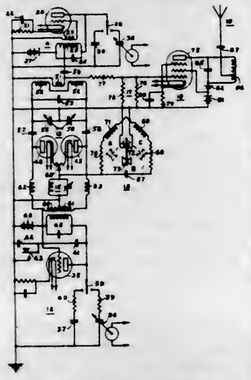
2,272,839
RADIANT ENERGY SIGNALING SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application November 23, 1938, Serial No. 241,894
16 Claims. (Cl. 250—8)



1. The method of communication which com-

prises propagating a plurality of plane polarized radio frequency waves displaced in phase by 90° in one direction and effecting signaling by producing a phase shift to 90° displacement in the other direction.

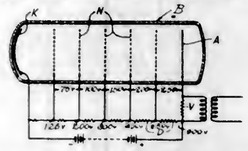
2,272,840
SELECTIVITY BY PHASE QUADRATURE METHOD
John Hays Hammond, Jr., and Ellison S. Purington, Gloucester, Mass., said Purington assignor to said Hammond, Jr.
Application January 30, 1940, Serial No. 316,428
18 Claims. (Cl. 250—8)



1. In a signalling system, transmitting means for producing and transmitting carrier energy and higher and lower first order side frequency energies, phase varying means for varying the phase of at least one of said energies, in accordance with signals desired to be transmitted, a receiver for receiving transmitted carrier energy and higher and lower first order side frequency energies, said receiver including means for producing from the received energy two currents, one by demodulating the carrier and the higher side frequency and the other by demodulating the carrier and the lower side frequency, a phase operated indicating device, and means for feeding said two currents to said device, said phase indicating device being arranged so as to provide an indication which is a function of the phase relation between the phase of the received carrier and that of the resultant of its side frequency energies, and so that the indication thereof aproaches substantially the same predetermined value both when the relations between the carrier and side frequency energies received approach the relations characteristic of amplitude modulation and when the relations between the carrier and the side frequency energies received approach the relations characteristic of timing modulation.

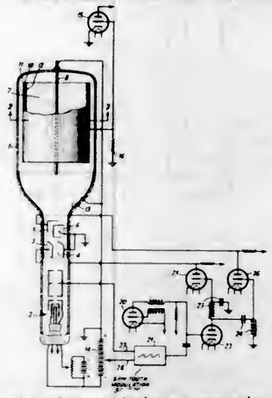
2,272,841
ELECTRON MULTIPLIER
Walter Henneberg, Berlin, Germany, assignor to General Electric Company, Schenectady, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,509
In Germany December 6, 1938
2 Claims. (Cl. 250—27)

1. A secondary electron emission multiplier comprising an electron source, an output anode, an array of grid-like secondary electron emitters of high secondary electron emissivity uniformly spaced between said source and said anode and constituting the sole field forming electrodes between the first and the last of said secondary electron emitters, and means for maintaining said secondary electron emitters positive with reference to said source at potentials which produce between successive emitters potential dif-



ferences which are sufficient to produce high secondary electron emission and which increase progressively with distance of said secondary electron emitters from said source and establish an undistorted electrostatic field in the space between each secondary electron emitter and an adjacent secondary electron emitter.

2,272,842
APPARATUS FOR TELEVISION TRANSMISSION AND RECEPTION
Willard H. Hickok, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 26, 1940, Serial No. 358,437
8 Claims. (Cl. 178—7.2)

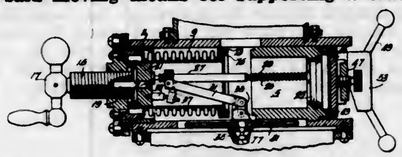


1. Television transmitting apparatus comprising an evacuated envelope, an electron gun to develop an electron beam, a beam receiving target positioned to be scanned by said beam and to have an optical image for transmission focused thereon, said target having a closed cylindrical light sensitive surface, an electron collecting electrode exposed to and substantially axially concentric with said surface to collect electrons liberated from said target and means to scan said beam over the surface of said target which is exposed to said collecting electrode.

2,272,843
ELECTRON MICROSCOPE SPECIMEN CHAMBER
James Hillier, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,912
7 Claims. (Cl. 250—49.5)

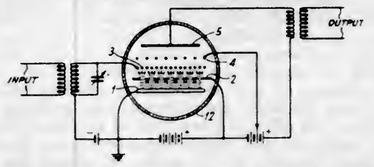
1. A specimen chamber for an electron microscope including in combination means including

a bellows for forming an airtight auxiliary chamber, means for moving said bellows into and out of engagement with a portion of said auxiliary chamber, means mounted on a portion of said moving means for supporting a cradle,



a specimen holder mounted on said cradle, means operated by said moving means for raising and for moving said cradle supporting means into said portion of the auxiliary chamber, and a vacuum tight door arranged to provide access to said auxiliary chamber.

2,272,844
ELECTRON DISCHARGE DEVICE
Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 17, 1938, Serial No. 246,288
In the Netherlands January 8, 1938
1 Claim. (Cl. 179—171)



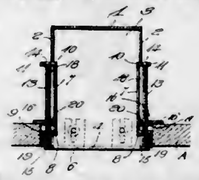
An electron discharge device having a cathode for supplying electrons and an anode for receiving said electrons, a control grid positioned between the cathode and anode having a constant pitch between turns and an auxiliary grid electrode positioned between the cathode and control grid and comprising flat ribbon-like elements spaced along the cathode at comparatively wide intervals with respect to the intervals of the control grid, an input circuit connected to said control grid and an output circuit connected to said anode, and means for maintaining said auxiliary grid electrode at a positive potential with respect to the cathode and control grid for providing a plurality of dispersed beams of electrons between said auxiliary grid electrode and said control grid.

2,272,845
HAIR WAVING DEVICE
Ragnvald G. Leland, New York, N. Y.
Application May 31, 1941, Serial No. 395,932
13 Claims. (Cl. 132—38)



1. A hair waving device comprising two combs, means connecting the combs in side-by-side relation so that they move laterally away from each other to a limited degree of separation when endwise pressure is exerted on said combs respectively by a finger and thumb of one hand, strands of hair of the user may then be disposed crosswise of the combs between teeth of the combs, and resilient means connecting said combs to cause reverse movement of the combs when the pressure thereon is withdrawn, to bring the combs in clamping engagement with the hair to wave the same.

2,272,846
OUTLET BOX
Ernest H. Lindstrom, Los Angeles, Calif.
Application August 26, 1940, Serial No. 354,296
6 Claims. (Cl. 220—3.6)



1. A box having walls formed with slots, outstanding bearings being provided across outer end portions of the slots, and clamps carried by the slotted walls, each clamp comprising a bracket of a length substantially corresponding to the length of a slot and having one end formed with an ear for extending outwardly in engagement with an end of a bearing and its other end formed with a shank passing through the slot and terminating in an ear of greater width than the slot, alined openings being formed in the ears, a threaded stem extending longitudinally of the bracket and rotatably mounted through the openings in the ears, a turning head being provided at the upper end of the stem, and a jaw consisting of a plate formed intermediate its length with a threaded opening receiving the stem and a lug extending from the inner side edge of the plate for engaging in the slot and guiding movement of the plate along the stem when the stem is turned to shift the plate thereon, said bracket being tiltable with the stem from reclining position transversely of the box to dispose the plate flat against the outer face of the wall in inoperative position to operative position longitudinally of the slot permitting rotation of the stem to shift the plate along the stem to clamping position, said plate when shifted along the stem toward clamping position bridging the slot and having its inner side edge engaging the wall to hold the bracket in place.

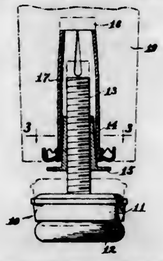
2,272,847
MOLDING OF ORGANIC PLASTICS
Maurice L. Macht, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 23, 1940, Serial No. 346,998
3 Claims. (Cl. 18—47)

1. An organic plastics external mold lubricant comprising a di-substituted ester of phosphoric acid with an aliphatic alcohol containing 12–18 carbon atoms, inclusive.

2,272,848
ADJUSTABLE FURNITURE GLIDE
Robert E. Miller, Bronxville, N. Y.
Application April 17, 1941, Serial No. 388,960
1 Claim. (Cl. 16—19)

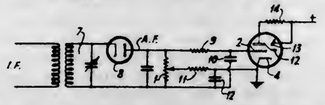
In combination in a furniture leg shoe: a bushing adapted for insertion into a bore in a furniture leg, said bushing being tapered whereby it may wedge itself into a fixed position in any one of a plurality of bores differing from each other in diameter, the degree of entry of the bushing

into the bore being dependent upon and varying with the diameter of the bore, said bushing having a threaded bore, a stem having a glide on one end thereof, said stem being threaded so as to fit adjustably into said threaded bore of the



bushing, whereby said stem may be adjusted relatively to said bushing so as to compensate for variations of the position of the bushing in said bore and also to compensate for variations in the length of the furniture leg and the level of the floor on which the leg is to be positioned.

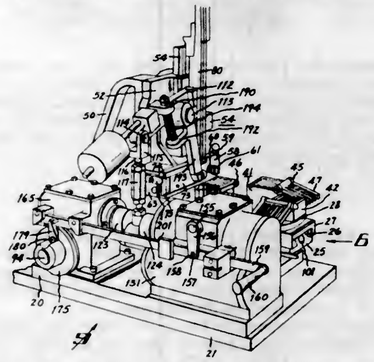
2,272,849
VOLTAGE INDICATING DEVICE
Theodore B. Perkins, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1939, Serial No. 301,735
6 Claims. (Cl. 171—95)



1. A voltage indicator comprising an electron discharge device with an anode, and input electrodes including a grid and a cathode, a resistor connected at its ends to the voltage to be measured, a direct current connection between said grid and one end of said resistor, a second direct current connection between said cathode and said end of said resistor, a second resistor, said second resistor being in said cathode connection, and a condenser between said cathode and the other end of the first mentioned resistor.

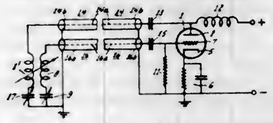
2,272,850
ASSEMBLING MACHINE
Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 28, 1938, Serial No. 221,723
14 Claims. (Cl. 18—1)

14. A machine for assembling a plurality of similar work pieces with an aggregating support having work piece receiving recesses arranged in a plurality of rows comprising, in combination, means for receiving a work piece, a rotatable table carrying a plurality of holders each adapted to receive an aggregating support, means for securing the table in various positions in each of which a holder is positioned for locating an aggregating support in position for assembly, a slide carrying the holder table and movable transversely to the direction of the rows of recesses in the aggregating support, a power actuated cam for controlling the transverse movement of the slide intermittently so as to align the rows of recesses consecutively with the work piece, a second slide carrying the first slide and movable longitudinally of the rows, a power actuated cam for controlling the longitudinal movement of the second slide so as to bring the recesses in any one row consecutively into alignment with the work piece, coordinated mechanisms for operating the cams and for moving the work piece from the work piece receiving means into an aligned recess of the aggregating support, coordinated means for operating the cams and for moving the work pieces singly from the magazine to the work piece receiving means, and from the work piece receiving means into an aligned recess of the aggregating support, a



source of power, a clutch for connecting the power actuated cams with the source of power, means for disengaging the clutch for stopping the machine automatically after a predetermined number of assembling operations at which time the recesses of the aggregating support will be filled, and manual control means for starting the machine and effecting reversal of the mechanism which operates the power actuated cams thereby effecting reversal of the order in which the recesses of the aggregating support are filled.

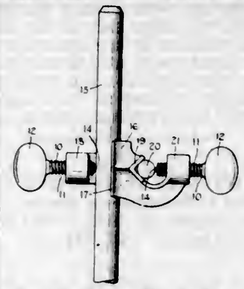
2,272,851
ELECTRICAL OSCILLATION GENERATOR
John Forrest Ramsay, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1939, Serial No. 256,413
In Great Britain February 17, 1938
7 Claims. (Cl. 250—36)



1. In an oscillation generator circuit, an electron discharge device having an anode, a cathode and a grid electrode, a frequency determining tunable resonant circuit comprising a series combination of inductance and tuning capacity connected between the grid electrode and the cathode of said device and a fixed capacity in parallel with said series combination of inductance and tuning capacity, said grid electrode being in effect capacitatively tapped down on the resonant circuit whereby said grid electrode receives substantially less voltage than the total developed across the inductance.

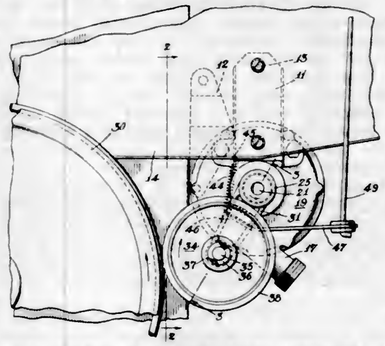
2,272,852
SETTING OR CLAMPING SCREW
Albert B. Schaefer, New York, N. Y.
Application June 28, 1940, Serial No. 342,919
3 Claims. (Cl. 85—1)

1. A clamping screw provided with an elongated threaded body, said body having a suitably shaped head for engagement with means for rotating said screw, a socket formed at the opposite end of the body, said socket having its inner end conical in form, and a hardened metal ball driven into said socket in contact with the side



walls thereof and the wall of the conical end, whereby said ball is held tightly within said socket, said socket having a depth less than the diameter of the ball but greater than the radius thereof.

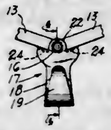
2,272,853
DRIVING MECHANISM
Simon E. Schroeder, Ripon, Wis., assignor to Barlow & Seelig Manufacturing Company, Ripon, Wis., a corporation of Delaware
Application December 31, 1940, Serial No. 372,548
1 Claim. (Cl. 74—209)



A mechanism of the character described comprising, in combination, a driving pulley, a shaft adapted to be driven, means including a hub for rotatably supporting said shaft, a pulley on said shaft disposed in spaced relation to said driving pulley, a bracket, an idler wheel carried by said bracket, a bearing formed in said bracket and journaled on said hub for swinging movement of said bracket to engage said idler wheel with said driving and driven pulleys, spring means for yieldably urging said idler into engagement with said pulleys, means for manipulating said bracket to a disengaged position against the force of said spring means, said bearing having a greater diameter than the hub on which it is journaled permitting centering of said idler wheel between said pulleys under the influence of said spring means upon engagement.

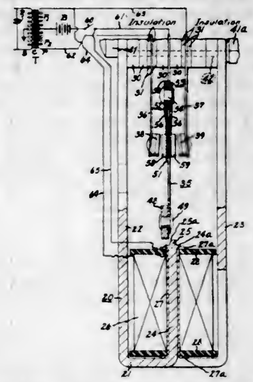
2,272,854
COMBINED HANDBAG AND KEY HOLDER
Nathan Sloane and Max Sloane, Brooklyn, N. Y.
Application December 19, 1940, Serial No. 370,826
6 Claims. (Cl. 150—34)

1. In a lady's handbag having a plurality of hingedly interconnected inverted generally U-shaped frame members, the combination of a hollow rivet forming a pintle for the hinge connection, a pin secured within said rivet, a hook having a hole receiving the pin for freely pivotally supporting the hook, said hook lying between the arms of a frame member and being adapted to removably engage a key chain, and a stop



means connected to the hook and located below said pin and projecting in the same direction therewith, the stop means being adapted to engage the frame members to prevent the hook from swinging in a circle about the pin so that the key chain shall be maintained in engagement with the hook with the key chain depending therefrom within the handbag.

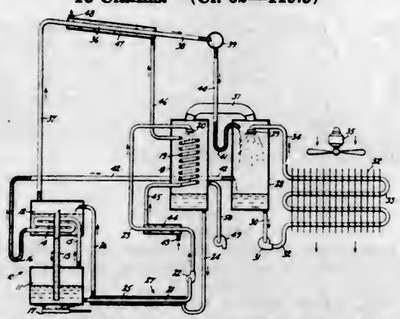
2,272,855
VIBRATOR
Raymond H. Sullivan, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 8, 1939, Serial No. 266,792
22 Claims. (Cl. 175—373)



1. A vibratory circuit interrupter for use in a D. C. converter system comprising the combination of a vibratory reed; contacts supported by the reed; side contacts alternately engageable respectively with the contacts of the reed and spaced therefrom in the normal position of the reed; an armature supported by the reed; an electromagnet having a pole piece past which the armature swings in approximate parallelism therewith; circuit connections including a winding of the electromagnet adapted to be connected in parallel with a pair of contacts, including one of the reed contacts and one of the side contacts, which are engaged as a pair during movement of the armature toward the pole piece due to magnetic attraction, the engagement of said pair of contacts shunting the electromagnet winding, whereby the flux of the electromagnet begins to decay while the armature continues to move in the same direction and past the pole piece, the decay of magnetic flux serving to retard movement of the armature in said direction, the resiliency of the reed permitting it to bend and thus to store energy therein which effects movement of the reed in the opposite direction to close

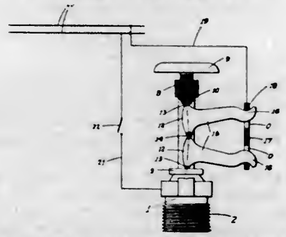
the other pair of contacts of th vibrator; and resilient mechanical means attached to an intermediate portion of reed for retarding movement of the armature and reed when same moves past the normal position in said opposite direction whereby the movement of the reed is symmetrical in respect to its normal position.

2,272,856
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application June 25, 1937, Serial No. 150,244
13 Claims. (Cl. 62—119.5)



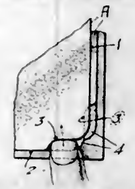
1. A refrigeration system making use of evaporation of water at a low pressure and including an absorber in which water vapor is absorbed into solution in an absorption liquid, a generator in which water vapor is expelled out of solution by heat, said generator having a plurality of chambers, means for heating one of said chambers, and a condenser connected to said first chamber for heating another of said chambers, a condenser connected to said second generator chamber, and an evaporator connected to receive liquid from both said condensers.

2,272,857
FUSIBLE LINK
Peter G. Vonich, Standard City, Calif.
Application September 27, 1940, Serial No. 358,591
2 Claims. (Cl. 169—38)



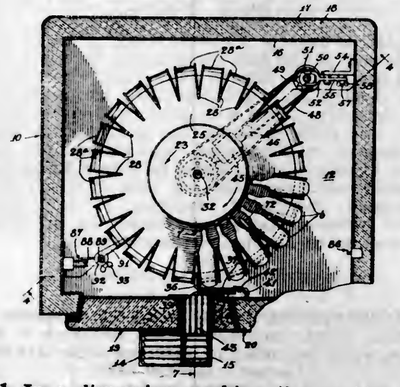
1. In a sprinkler system, a sprinkler head including a body having a valve seat, a self-opening valve cooperating with said seat, a rigid yoke on the body extending over the valve and seat in spaced relation thereto, the valve opening toward the outer end of the yoke, a manual adjustment screw threaded through the outer end of the yoke in axial alinement with the valve, a toggle lever assembly extending between and engaging the adjacent ends of the valve and adjustment screw, and normally holding the valve closed, arms rigid with and projecting transversely in the same direction from the toggle levers, an electrically fusible link having spaced orifices therein, the outer end portions of said arms projecting through said orifices whereby the link normally prevents separating movement of the arms and resultant toggle action of said assembly, means insulating the link from one of the arms, and a normally open current supply circuit having one wire thereof direct connected with the link, the other side of the circuit being grounded in relation to the sprinkler head; said arms being urged apart, and the other arm urged into positive electrical contact with the link, by the compression applied to the toggle lever assembly by said valve and adjustment screw.

2,272,858
BOOK WITH LEAF-TURNING GUIDE
Robert C. Werkheiser, Dover, N. J.
Application August 10, 1940, Serial No. 352,057
3 Claims. (Cl. 281—38)



2. A plurality of leaves each having two angularly disposed edges and an elongate shallow notch in one edge extending lengthwise thereof adjacent the angle that would be formed at the meeting of imaginary extensions of said edges and opening through the other edge, the major portion of the longer side of said notch being approximately parallel to the corresponding edge of the leaf and of a length substantially less than half the length of said edge, and the sides of said notch merging into the corresponding edges of said leaf through curved corners, said leaves being arranged with said longer sides of the notches of alternate leaves in one common plane that is different from the common plane of the longer sides of the notches of the other leaves, whereby a portion of the sides of the notch of each leaf extends across the next adjacent leaf so as to expose a portion of the latter that is of approximately uniform width substantially throughout the length of said notch.

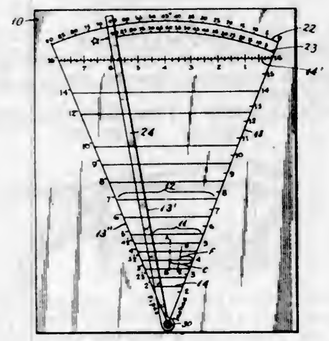
2,272,859
DISPENSING MACHINE
Irven H. Wilsey, Chicago, Ill.
Application August 26, 1940, Serial No. 354,147
13 Claims. (Cl. 312—88)



1. In a dispensing machine, the combination

of a series of revoluble article-carriers all journalled for rotation about a common axis, power actuated means for alternatively revolving one or the other of the two terminal carriers of the series though in each instance in the same direction, and means for causing successive carriers in the series to revolve in unison with a carrier next adjacent to it upon a predetermined angular positioning of such adjacent carriers relative to each other beginning with the carrier adjacent the one of said terminal carriers which is driven by said power actuated means and progressing through the series in a direction away from such power driven terminal carrier.

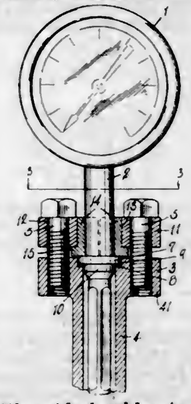
2,272,860
ANGLE METER FOR CUTTING PIPES
Lem W. Wolfe, Setauket, N. Y.
Application April 25, 1940, Serial No. 331,539
3 Claims. (Cl. 33—75)



1. In a device of the class described having an arcuate scale and a flexible straight edge member having one end pivotally mounted so that its free end may be moved across said arcuate scale concentric therewith, an arcuate body positioned adjacent the free end of said straight edge member concentric with said arcuate scale, serrations formed on the inner edge of said arcuate body adjacent said straight edge member, and a pointed head formed on the free end of said straight edge member and normally engaging one of said serrations for holding said straight edge member against pivoting, whereby said straight edge member may be flexed to withdraw its pointed end from its engaged position with said serrations to free said straight edge member to be moved across said arcuate scale.

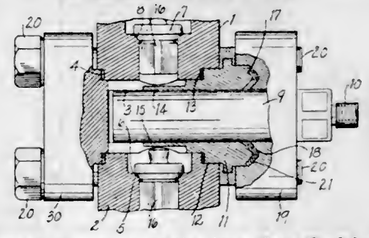
2,272,861
PRESSURE GAUGE MOUNTING
Reinhard A. Yohpe, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application June 30, 1941, Serial No. 400,408
1 Claim. (Cl. 285—140)

A gauge having a stem, an annular shoulder on said stem, a cap having an opening of larger size than said stem and shoulder for the reception thereof, means for securing said cap to a block or gauge well, and a multiple-part annular sleeve fitting in said opening in said cap and in snug encircling engagement with the stem, parts of the said sleeve being provided with segmental peripheral flanges at the lower end thereof and of a diameter larger than the opening of said cap and axially engageable by said cap and



engageable with said shoulder to urge the parts axially to operative position.

2,272,862
PLUNGER PACKING
Reinhard A. Yohpe, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application June 30, 1941, Serial No. 400,411
3 Claims. (Cl. 286—26)

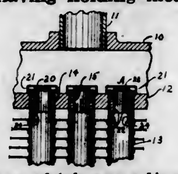


1. In a structure of the type described having a housing providing a pump chamber and having a plunger reciprocable axially thereof, a liquid-tight annular seal surrounding said plunger comprising a sleeve-like stuffing box telescoped with said plunger and extending into said chamber, said stuffing box having an outwardly convexed V-shaped surface concentric with the plunger on the outside of said housing and chamber, a cap externally telescoping said stuffing box at the outer end of the latter and provided with an annular V-shaped recess complemental in shape to said stuffing box surface, an annular resilient packing having a V-shaped cross section in nested relation to said surface, and means for drawing said cap axially toward said stuffing box to compress said packing and urge the inner peripheral surface thereof radially inwardly for sealing engagement with the plunger, the resilience of the compressed packing maintaining the same against said plunger following wear on the packing.

2,272,863
HEAT EXCHANGE TUBE PROTECTOR
Fred M. Young, Racine, Wis.
Application November 4, 1940, Serial No. 364,131
5 Claims. (Cl. 257—154)

1. A device of the class described, comprising

a radiator having upper and lower headers and a number of tubes forming operating connections therebetween, an inlet connection in said upper header, plates having holding means positioned



over certain tubes which are adjacent said inlet, said holding means adapted to extend into the tubes, means adapted to determine the distance between said plates and the ends of said tubes.

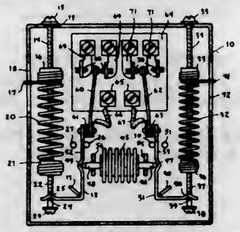
2,272,864

AUTOMATIC CONTROL MECHANISM

Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 28, 1939, Serial No. 292,299

17 Claims. (Cl. 200—140)



1. A device of the character described, comprising in combination, a condition responsive device floatingly mounted for expansion in opposite senses, a first element operated by said device as it expands in one sense, a second element operated by said device as it expands in the opposite sense, and means associated with said device for causing it always to expand in one sense before it expands in the opposite sense.

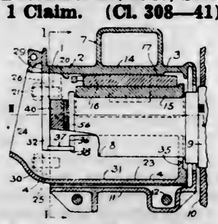
2,272,865

JOURNAL BOX STRUCTURE

James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application December 14, 1940, Serial No. 370,115

1 Claim. (Cl. 308—41)



A journal box comprising an open face journal housing; a cellar having an upwardly extending open frame exterior and adjacent to said housing open face; and an integral bar-like journal end thrust bearing disposed inwardly of said frame, between the housing sides to prevent end movement thereof, and backed by said frame side walls, said side walls being flanged and said flanges being bolted to said housing adjacent said backing to resist thrusts, said cellar further having groove seats in its side walls supporting said bearing and preventing inward movement thereof, and said housing side walls having lateral interior lugs over said bearing preventing upward movement thereof.

2,272,866

PROCESS OF MANUFACTURING ASPHALTS

Robert E. Burk and Charles H. Whitacre, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 15, 1938, Serial No. 219,405

5 Claims. (Cl. 196—74)

1. In a process of making asphalt, heating and agitating residuum in exposure to oxygen, to partial conversion to desired specifications, then without further supplying oxygen incorporating in the residuum a small amount of zirconium halide and a small amount of a hydro-halogen acid.

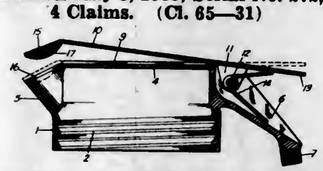
2,272,867

CONTAINER TOP

Ray C. Cobel, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio

Application May 8, 1939, Serial No. 272,392

4 Claims. (Cl. 65—31)



4. A container top of the type described comprising a body portion having a closed substantially flat upper end, a pouring spout formed on said body portion at one side thereof, a lever pivoted to the top of said body portion adjacent the side thereof opposite the pouring spout, said flat upper end having a channel formed therein extending from the pouring spout to a point adjacent the pivot point of the lever, said lever normally lying in said channel and having one end projecting beyond the pivot by means of which it may be swung about its pivot, said lever having a closure member formed on its opposite end for cooperation with said spout.

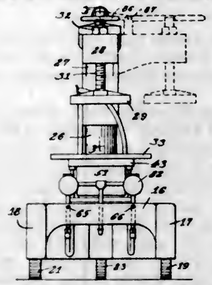
2,272,868

MOLDING MACHINE

Lester A. Demkier and Kenneth O. Hostetter, Dubuque, Iowa, assignors to The Adams Company, Dubuque, Iowa, a corporation of Iowa

Application March 15, 1941, Serial No. 383,484

13 Claims. (Cl. 22—26)



12. The combination in a post type jolt squeezer

of a frame, a table thereon, means for moving said table vertically to apply and relieve squeezing pressure to a mold positioned thereon, a vertically disposed hollow post positioned adjacent said table having an end plate at the upper end thereof, a head supported for rotation on said post between an operative position above said table for squeezing contact with the mold and a remote position, said head having a sleeve surrounding said post, a cap spanning said post and a bearing disposed between said cap and said end plate, and manually releasable latch means between said head and said post for securing said head against rotation from said operative position comprising a spring pressed plate disposed within said post and pressed against the lower side of said end plate having pins passing through said end plate and engaging said cap, and means for depressing said plate against the spring pressure to disengage said pins from said cap.

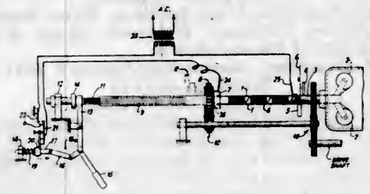
2,272,869

ELECTRODE MANUFACTURE

Carl Herzog, Belleville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1939, Serial No. 311,781

2 Claims. (Cl. 140—71)



1. In a machine of the character described, the combination of a mandrel, means for drawing a grid support rod along the side of the mandrel and parallel to the axis of the mandrel, a notching tool, a peening tool, the mandrel being rotatable to carry the rod successively under said notching and peening tools, and to wind a wire around said mandrel and draw the wire into notches in the support rod before the notches pass under the peening tool, means for straightening the notched and peened portions of the support rod comprising a spring fixed at one end and mechanically connected at its other end to one end of said support rod for imparting the strain energy in said spring to said support rod, a switch and an electrical power source connected in series with the ends of the notched and peened portions of the support rod, one contact of said switch being connected to and movable by said spring to open and close said switch upon predetermined loadings of said spring.

2,272,870

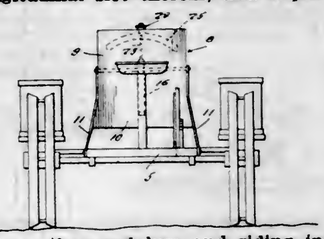
PLANTER GUIDE

William McEvoy, Neola, Iowa; Joseph McEvoy administrator of said William McEvoy, deceased

Application January 28, 1941, Serial No. 376,397

1 Claim. (Cl. 97—243)

In a planter, a swingable pendulum responsive to the force of gravity, a rotatable indicator, a vertical shaft carrying the indicator, and an elongated guide member cooperative with the pendulum whereby rotary motion is transmitted to the indicator on a horizontal plane from motion of the pendulum on a vertical plane, said guide consisting of an arcuate-shaped tube having a longitudinal slot therein, and a pin ex-



tending from the pendulum and riding in the slot.

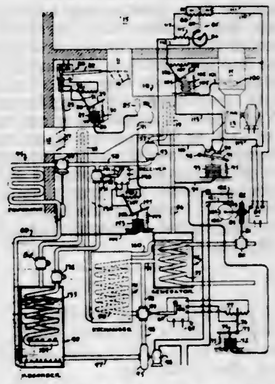
2,272,871

ABSORPTION HEATING SYSTEM

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 10, 1938, Serial No. 184,173

27 Claims. (Cl. 62—5)



1. In a heating system for a space, the combination of a reverse cycle heating system including a generator, a condenser for liberating heat, an evaporator for absorbing heat and an absorber for producing strong liquor to be supplied to the generator from weak liquor returning from the generator, means for transferring heat from the condenser to the space to be heated, means for supplying fresh air to the air within the space, and means for liberating the heat of the weak liquor to the fresh air for preheating the same.

2,272,872

CONTROL APPARATUS

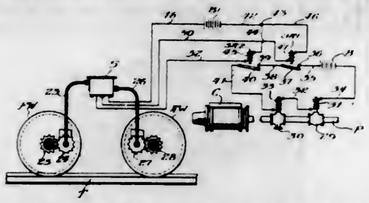
Rosser L. Wilson, Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Original application August 25, 1939, Serial No. 291,844. Divided and this application November 27, 1940, Serial No. 367,336

13 Claims. (Cl. 303—21)

1. Vehicle brake control apparatus comprising, in combination, means operatively responsive to slipping of a vehicle wheel, means controlled by the wheel-slip responsive means for automatically effecting a release of the brakes associated with the wheel when the wheel begins to slip and effective thereafter, in its normal manner of operation, to initiate the reapplication of the brakes on the wheel, and means auto-

matically effective to initiate reapplication of the brakes on the wheel in the event that the



last said means fails to initiate reapplication with a predetermined length of time.

2,272,873
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application November 28, 1939, Serial No. 306,545
6 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with the condensation product of one molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural, condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with an organic aliphatic chlorinated polymer selected from the group consisting of polyvinyl chloride, rubber hydrochloride, chlorinated rubber, chlorinated polyisobutylene and polyvinylidene dichloride.

2,272,874
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 2, 1941, Serial No. 405,241
7 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with the condensation product of one molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural, condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with a monomeric halogen substituted paraffine hydrocarbon with more than one carbon atom and more than one halogen atom, the halogen being selected from the group consisting of chlorine, bromine and iodine.

2,272,875
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 2, 1941, Serial No. 405,242
8 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with the condensation product of one molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with a halohydrin selected from the group consisting of the chlorhydrins, bromhydrins and iodhydrins.

2,272,876
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 2, 1941, Serial No. 405,243
8 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with the condensation product of a molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural, condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with an aromatic amine di-hydronalide, the halogen being selected from the group consisting of chlorine, bromine and iodine.

2,272,877
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 2, 1941, Serial No. 405,244
8 Claims. (Cl. 51—298)

1. An abrasive body comprising abrasive grains bonded with the condensation product of one molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with a melamine hydrohalide.

2,272,878
GRINDING WHEEL
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 2, 1941, Serial No. 405,245
8 Claims. (Cl. 51—298)

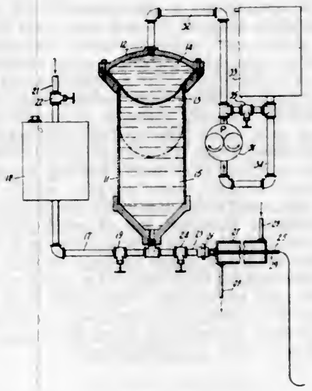
1. An abrasive body comprising abrasive grains bonded with the condensation product of one molecular proportion of primary aromatic amine and between one and three molecular proportions of aldehyde selected from the group consisting of formaldehyde and furfural condensed in the presence of at least approximately one molecular proportion of acid at least as strong as phosphoric acid and reacted by heating at resin curing temperatures with a halogenated organic substance selected from the group consisting of the chlorinated and brominated fatty oil acids and their esters.

2,272,879
TIRE TREAD CONSTRUCTION
Albert Hargraves, Silver Lake, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 20, 1937, Serial No. 275,669
In Great Britain January 5, 1937
11 Claims. (Cl. 152—209)

8. A resilient tire tread, particularly for pneumatic tires, said tread comprising a plurality of continuous, circumferentially extending ribs which are laterally flexible and which are substantially less in width than one-half the width of said tread, at least some of said ribs having a plurality of circumferentially spaced slots of substantially constant width extending inwardly from the margins of said ribs and only part way across said ribs, said slots being relatively narrow as compared to the distance between the slots.

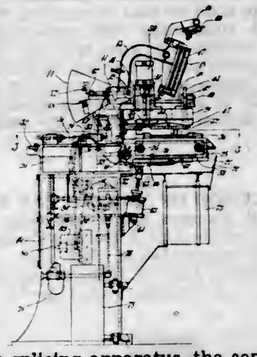


2,272,880
PRODUCTION OF RUBBER ARTICLES
Harold W. Greenup, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 12, 1938, Serial No. 207,533
3 Claims. (Cl. 18—8)



1. In the method of forming a rubber thread, the steps comprising placing latex in a chamber, forcing a substantially incompressible liquid into the chamber at a constant rate, which liquid is maintained separate from the latex, expelling the latex from the chamber at a uniform rate of flow, confining the expelled latex to thread form by tubular means, gelling the latex while confined to form rubber thread, and forcing the rubber thread from the tubular means at a constant rate by the latex fed thereto, regardless of the variable pressure required for such expulsion.

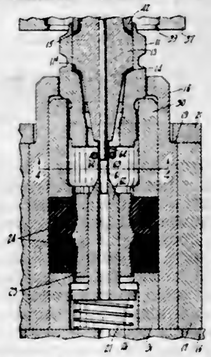
2,272,881
TUBE SPLICING APPARATUS
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 13, 1938, Serial No. 207,774
7 Claims. (Cl. 154—9)



1. In tube splicing apparatus, the combination of a pair of work-gripping structures relatively movable from and toward each other, a cutter movable between said work-gripping structures, when they are in spaced apart relation, for severing surplus work-material projecting from said structures, means for relatively moving said work-gripping structures, a timing device, and control means for said timing device that puts the latter into operation when the work-gripping means are moved toward each other, said timing device being adapted to cause separation of the work-gripping means after a determinate time-interval.

6. Tube splicing apparatus comprising the combination of a pair of opposed work-gripping structures movable from and toward each other, and a cutter for severing work in said structures when they are spaced apart from each other, said cutter comprising a pivotally mounted arm, and a pair of straight-edged cutting blades carried thereby in non-radial relation to its axis of movement.

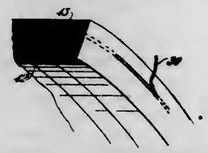
2,272,882
APPARATUS FOR ASSEMBLING SPARK PLUGS
Archibald M. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 16, 1938, Serial No. 219,575
6 Claims. (Cl. 29—84)



5. In apparatus for assemblying spark plugs,

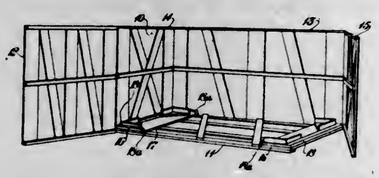
a positioning sleeve, supporting means received in said positioning sleeve for supporting a spark plug shell adapted to receive a porcelain therein, centering means of appreciably smaller outside diameter than the inside diameter of said positioning sleeve received therein and adapted to engage with and center a porcelain carried by a spark plug shell on said supporting means, means resiliently supporting said centering means for vertical movements, and resilient means interposed between said centering means and said positioning sleeve to center, normally, said centering means in said positioning sleeve but permit limited lateral movement of said centering means.

2,272,883
METHOD OF MAKING FAN BELTS
William E. Haggan, Barberton, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 22, 1938, Serial No. 220,729
3 Claims. (Cl. 154—4)



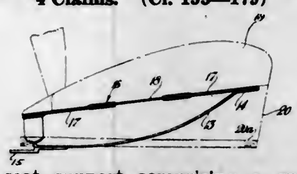
1. In a process for manufacturing belts, the steps of placing a layer of belt stock upon a collapsible drum, winding spaced sets of adjacent convolutions of a continuous reenforcing cord upon the surface of the belt stock, superimposing belt stock upon the reenforcing cords, cutting the built up belt stock into a plurality of annular bands at the portion of the belt stock between the sets of convolutions of reenforcing cords, and inserting the exposed portions of the reenforcing cords into the sides of the annular bands whereby a belt having reenforcing cords totally embedded therein can be made.

2,272,884
PROTECTIVE PAD
Louis H. Zimmerman, Beaver Dam, Wis., assignor of one-tenth to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 27, 1938, Serial No. 237,283
1 Claim. (Cl. 217—53)



A crating combination for use in transferring a heavy article having a relatively easily broken coating material on its surface and having tri-planar substantially right angular corners, said combination comprising a substantially rectangular crate, and tri-planar substantially right angular dense sponge rubber cushioning pads removably positioned in the corners of said crate, said pads being adapted to engage with the corners of an article placed in said crate and protect the entire surface of the articles against rupture.

2,272,885
SEAT CONSTRUCTION
Alan E. Rathbun, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 28, 1938, Serial No. 237,424
4 Claims. (Cl. 155—179)



1. A seat support comprising a spring bar which is bent to form a substantially quadrangular frame having front and rear portions which are in substantially the same plane, said rear portions being bent downwardly at the ends thereof and the side portions of said frame being bent upwardly and forwardly to connect with said front portion, and means associated with the rear portions of said side portions for positioning said frame whereby the front of said frame is supported for resilient movement when load is placed thereon.

2,272,886
VALVE CONSTRUCTION
Robert F. Wilson, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 254,818
6 Claims. (Cl. 152—430)

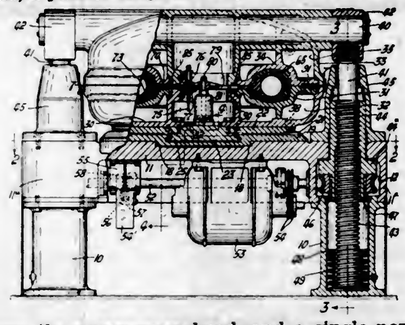


6. In combination, a pneumatic tube and a valve assembly secured to said tube and extending into same, said valve assembly comprising a metal valve tube, and a rubber body encompassing said valve tube adjacent an end thereof which extends into said tube, said rubber body having a thick flange formed thereon adjacent the inner end of said valve tube and gradually increasing in diameter from its axially inner to its axially outer surface, said flange having a substantially planar axially outer surface which has a feather edge, said valve assembly being secured to said pneumatic tube by the tapered surface of said flange being superimposed on said pneumatic tube with the outer surface of said flange being substantially flush with the adjacent outer surface of said pneumatic tube when said pneumatic tube is confined and inflated, whereby said valve assembly extends in both directions from the surface of said pneumatic tube.

2,272,887
VULCANIZING PRESS
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 254,837
4 Claims. (Cl. 18—17)

4. A press of the character described comprising a bed plate formed with a transverse slideway and with a fore and aft slideway at a higher elevation than said transverse slideway, a camplate in said transverse slideway formed with a cam slot, a slide in said fore and aft slideway,

a cam roller carried by said slide and engaged in said cam slot, a pair of opposed press heads of which the lower press head is carried by said slide, a pair of longitudinally movable posts that

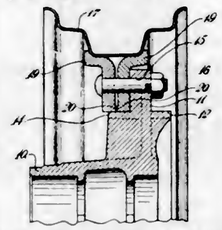


carry the upper press head, and a single power unit operatively connected to said post and said cam plate adapted to effect longitudinal movement of said posts and longitudinal movement of said cam-plate in its slideway.

2,272,888
THERMOPLASTIC PRODUCT AND METHOD OF PRODUCING SAME
Frederick L. Kilbourne, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application February 27, 1939, Serial No. 258,727
6 Claims. (Cl. 260—768)

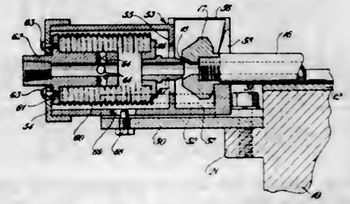
1. The method of preparing a resin which comprises reacting about 100 parts of soft vulcanized rubber with about 10 to about 100 parts of a reagent consisting of an acyl halide, the said method comprising forming a mixture of the soft vulcanized rubber and the acyl halide, and then heating the mixture.

2,272,889
WHEEL STRUCTURE
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 4, 1939, Serial No. 265,893
8 Claims. (Cl. 301—24)



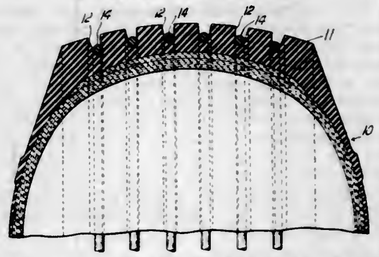
1. In a wheel structure the combination of a wheel disc formed on opposite lateral faces thereof with laterally extending clamp seats, two-part clamps each consisting of cooperating elements, which elements rest with their inner ends upon clamp seats on one side only of said disc, the outer ends of said clamps being engageable with a tire rim disposed concentrically with the axis of the wheel disc, and bolts extending through the respective clamp elements and through the wheel disc for securing the clamp elements to the latter and for drawing the two parts of each clamp together upon a portion of said tire rim.

2,272,890
CONDUIT COUPLING
George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 2, 1939, Serial No. 271,290
1 Claim. (Cl. 285—143)



A conduit coupling comprising an adapter on the end of one conduit, a housing secured to the end of the other conduit, said housing including a recess in which said adapter is receivable, a bellows within the housing receiving pressure fluid from the conduit to which the housing is secured, a tubular delivery nose opening into the bellows and movable forwardly toward said adapter when the bellows is elongated by fluid pressure and adapted to form a fluid-tight connection with said adapter, and means enabling the housing as a whole to move rearwardly, as the delivery nose is forced into engagement with the adapter, so as to confine said adapter between said nose and the forward wall of the housing.

2,272,891
TIRE CONSTRUCTION
William S. Coben, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 13, 1939, Serial No. 273,507
5 Claims. (Cl. 152—208)

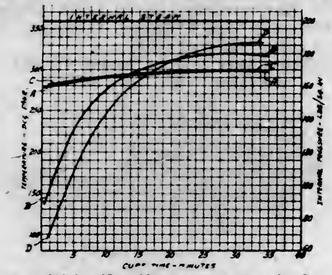


5. A pneumatic tire having a tread portion formed with a circumferential outwardly open groove therein, and a resilient tubular structure mounted in said groove with its outermost surface considerably below the surface of the tread and extending circumferentially of the tire.

2,272,892
METHOD OF VULCANIZING TIRES
Raymond S. Taylor and George P. Bosomworth, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 19, 1939, Serial No. 274,550
6 Claims. (Cl. 18—53)

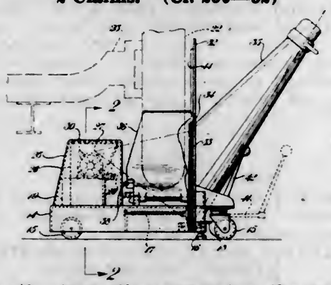
6. The method of vulcanizing pneumatic tire casings which comprises confining a tire with an inflatable expansible core therein within a heated mold, admitting steam under pressure to said core, and so controlling said steam as to

effect a progressively increasing heating of the interior of the tire at a uniform rate while the



pressure within the tire is progressively reduced at a uniform rate.

2,272,893
TIRE INSPECTION APPARATUS
George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 25, 1939, Serial No. 286,387
2 Claims. (Cl. 250—52)

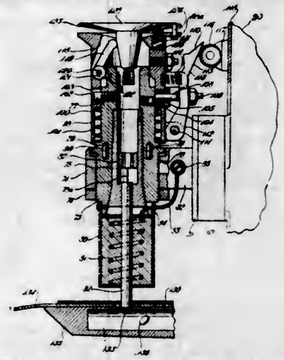


1. In tire inspection apparatus, the combination of an X-ray tube and a fluoroscopic screen spaced apart from each other to admit a portion of a vehicle tire therebetween, a mobile platform supporting said X-ray tube and screen whereby the same may be moved into operative position with relation to a tire on a vehicle, and pivotally mounted protective plates swingable to operative positions fore and aft of the tire to afford protection against X-ray emanations, and movable to inoperative positions enabling them to pass under the tire when the platform is moved relatively of the tire.

2,272,894
APPARATUS FOR MOUNTING VALVE STEMS ON INNER TUBES
Ray D. Hulslander, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 16, 1939, Serial No. 299,681
14 Claims. (Cl. 154—9)

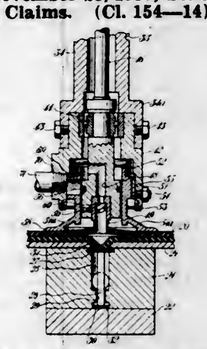
1. In apparatus of the character described, the combination of a vertically reciprocable slide, means for effecting cyclic operation of the slide, each cycle consisting of two descending and two rising movements, two work engaging mechanisms in axial alignment with each other carried by the slide, and means for moving said work-engaging mechanisms axially into engagement with the work in alternation during successive downward movements of the slide.

10. Apparatus of the character described comprising a chuck adapted to receive a work-piece, means for advancing said chuck toward a second work-piece and for retracting it therefrom, said chuck comprising means for gripping the work-piece therein, means actuated by the movement of the chuck toward the second work-piece for



causing the gripping means to engage the first work-piece, and means utilizing the pressure of the chuck against the second work-piece for causing the gripping means to release said first work-piece.

2,272,895
METHOD OF MAKING INNER TUBES
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 28, 1939, Serial No. 306,514
6 Claims. (Cl. 154—14)



1. A method of making inner tubes which comprises forming an endless tube of unvulcanized rubber composition with air entrapped therein, localizing the air in the tube to form a blister that holds opposite walls of the tube in spaced relation, and then forming an aperture in one of said walls in the region of said blister.

2,272,896
SAFETY INNER TUBE
Charles S. Pidgeon, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 7, 1939, Serial No. 307,995
2 Claims. (Cl. 152—342)

1. A valve for an inflatable safety inner tube having an internal partition dividing the tube into concentric inner and outer air chambers, and a port in said partition providing communication between said chambers, said valve comprising a disc having a flexible concavo-convex

medial portion formed with a marginal flange, the latter adapted for attachment throughout its area to the inner face of the partition, and surrounding the port therein, with the concave side of the disc confronting said port, an axial



boss formed on the concave side of the valve-disc normally adapted to stand in spaced relation to the said port but movable to close the same under the impetus of centrifugal force, a metal weight incorporated in said base, and a port in the concavo-convex portion of the disc.

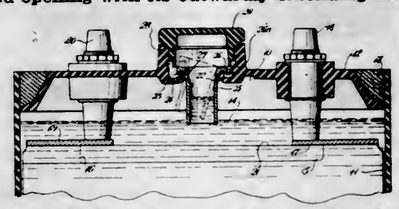
2,272,897
LEVER FOR MANUAL OPERATION
Ellwood F. Riesing, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 14, 1939, Serial No. 309,200
3 Claims. (Cl. 74—523)



1. A gear shift lever for motor vehicles, said lever comprising an elongated metal body structure, and a molded non-metallic cover mounted thereon and bonded thereto, said cover being integrally formed at one end of the structure with a hollow enlarged portion that has an opening therein, one end of the metal body being disposed within said hollow portion and projecting from the cover material and the other end of the metal body projecting from the cover material whereby said body may be anchored at both ends while the cover material is being applied thereto, and a cap secured in the opening of said hollow portion to close the same.

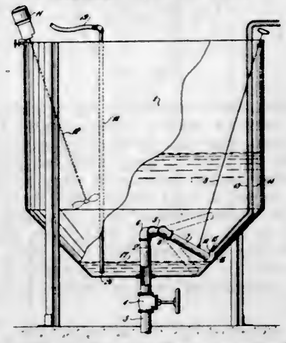
2,272,898
FILLING AND VENTING DEVICE
Lawrence E. Olcott, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 3, 1940, Serial No. 317,184
7 Claims. (Cl. 136—178)

1. In a filling and venting device, an inclosed chamber partially defined by a wall having an opening therein, said wall having an upwardly extending flange outlining said opening, an integral threaded annular boss formed on said wall outlining and spaced from said flange, a sleeve having an outwardly extending flange formed on its upper end and extending through said opening with its outwardly extending flange



engaged with said upwardly extending flange, said sleeve extending downwardly from said opening and normally being vertically positioned, and a threaded vented cover for said opening engaging with said boss and adapted to bear upon said outwardly extending flange to tilt said sleeve from its normal vertical position.

2,272,899
METHOD OF MAKING RADIOACTIVE COMPOSITIONS
John N. Street, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 6, 1940, Serial No. 339,128
7 Claims. (Cl. 23—24)

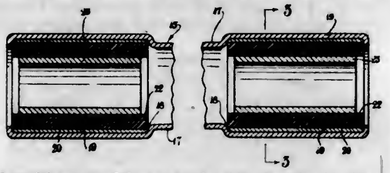


7. The method of preparing a composition containing a purified compound of radium D, which method comprises treating a sulfate residue containing sulfates of lead, radium and radium D and compounds of silicon with a caustic solution to produce a solution containing substantially all of the compounds of radium D and lead and substantially none of the radium sulfate originally present in said sulfate residue, but containing compounds of silicon, treating the solution so produced with an oxidizing agent to form a precipitate, separating the said precipitate from the solution, the separated precipitate containing compounds of radium D and lead substantially free from compounds of silicon.

2,272,900
RESILIENT CONNECTOR
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 8, 1940, Serial No. 364,890
5 Claims. (Cl. 64—11)

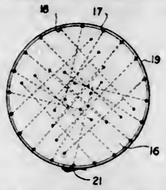
2. In a resilient connector of the character de-

scribed, the combination of tubular metal shell, tubular rubber cushions mounted in the respective ends thereof and secured against rotary movement relatively thereof, and respective tubular metal bushings mounted within each of



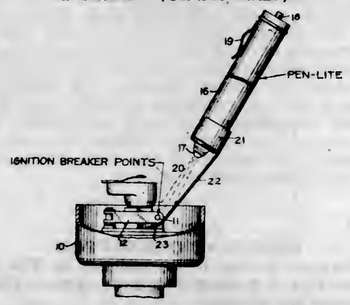
said rubber cushions and attachable to the adjacent ends of respective aligned shafts, said rubber cushions and metal bushings being formed with complemental, longitudinally extending, interengaged corrugations preventing relative angular movement between cushions and bushings.

2,272,901
BEATER
Mitchell Carter, Yardley, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 23, 1940, Serial No. 371,257
2 Claims. (Cl. 259—102)



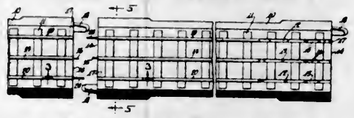
1. A latex beater comprising a plate, a plurality of varying length substantially U-shaped loops of wire, one end of each of said loops being fixedly secured to said plate with the ends of said loops being positioned varying distances from the edge of said plate, said fixed ends of said beater loops defining arcs eccentric to each other and to the center of said plate, and means for removably securing the free ends of said loops to said top plate at the periphery thereof, said loops extending various distances from said top plate.

2,272,902
IGNITION POINT CHECKING DEVICE
Roy C. Bible, Casper, Wyo.
Application February 1, 1941, Serial No. 377,000
1 Claim. (Cl. 240—2.18)



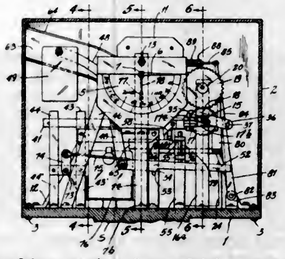
An article of manufacture comprising an elongated, substantially cylindrical clip, for slidably embracing an elongated flash light housing, an elongated reflector element of readily bendable, resilient material, projecting from one end of the clip, the reflector element being outwardly tapered and having a maximum width less than the diameter of the clip, the surface facing the axis of the clip having a light colored mat finish, the reflector element being inclined towards and intersecting the axis of the clip, the extreme end being inclined at a greater angle than the remainder of the reflecting surface.

2,272,903
TOY RAILROAD TRACKAGE
Joseph L. Bonanno, Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application July 22, 1939, Serial No. 285,853
13 Claims. (Cl. 238—10)



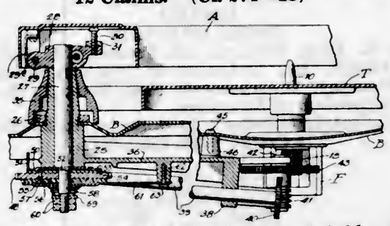
1. Toy railway trackage comprising a plurality of track sections adapted to be assembled end to end, each section comprising a base carrying wheel bearing rails, one end of each wheel bearing rail being fixedly secured to its base and having an element extending longitudinally beyond the rail above the base, the other end of each rail being secured to the base for yieldable vertical movement, the part of the base adjacent the yieldable end of the rail and the longitudinally extending element of the adjacent section having camming faces adapted to displace the yieldable end of the rail upwardly as the sections are being assembled and to interlock when the sections are completely assembled.

2,272,904
PARKING METER
William C. Burton, Webster Groves, and Herbert J. Brandenburger, St. Louis, Mo., assignors of one-sixth to L. Ray Schuessler and one-sixth to Gustave V. Keller, both of St. Louis, Mo.
Application December 13, 1937, Serial No. 179,382
5 Claims. (Cl. 194—78)



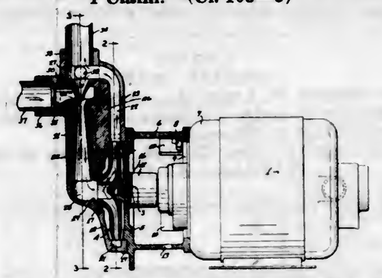
1. A parking meter for vehicles comprising a casing, a mechanism disposed within said casing and operable to indicate passage of time, a wall of said casing being provided with an opening, actuating mechanism arranged for cooperation with said time-indicating mechanism and adapted for operation by an operating element inserted into said opening to set said time-indicating mechanism in operation, means within said casing for locking said operating element in said opening against removal therefrom, said means comprising locking mechanism adapted to lock said actuating mechanism against such actuation by said operating element as will permit withdrawal of said operating element from said opening, and coin-controlled means which cooperates with said locking mechanism and is adapted to render same ineffective and thereby release said actuating mechanism for such actuation by the operating element as will permit removal of said operating element from said opening.

2,272,905
RECORD CUTTING MECHANISM
Norman L. Conrad, Chicago, and Colin B. Dale, Oak Park, Ill., assignors to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application April 11, 1941, Serial No. 388,038
12 Claims. (Cl. 274—13)



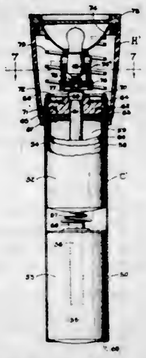
1. In a phonograph having a rotatable post adapted to carry a cutter arm, a power transmission in connection with the post comprising a friction plate in fast connection therewith, a second friction plate having a loose mounting on the post, a fixed connection for the second plate, a pair of friction disks loosely mounted on the post, one engaged by each plate, and a gear wheel loosely mounted on the post receiving engagement from the two disks whereby rotation is imparted from the gear wheel to one disk and thence to the plate in fast connection with the post and a brake action is imparted by the other plate acting through the other disk, thence through the gear wheel, the remaining disk, and through the plate in fast connection with the post.

2,272,906
CENTRIFUGAL PUMP
Lawrence Eugene Da Col, San Francisco, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application January 12, 1940, Serial No. 313,504
1 Claim. (Cl. 103—5)



In a centrifugal pump, the combination of an impeller mounted to rotate about a horizontal axis, a transversely split impeller casing, one section thereof having intake and discharge ports, integral conduit-forming means on said section extending upwardly therebeyond, providing a vertical first conduit terminating downwardly in the casing intake port and terminating upwardly in a horizontal pump discharge opening, and a vertical second conduit branching laterally from said first conduit at a point near the upper end thereof and terminating downwardly at the casing discharge port, said conduits being disposed in parallel, side-by-side relation, and combining to provide a recirculating passage for pumped fluid, a lateral opening in said first conduit located immediately below the junction of said conduits and above the impeller casing and providing a pump intake terminal, and injection means in said first conduit, including a nozzle element disposed immediately below the junction of said conduits and directed toward the casing intake, and an inductor tube whose mouth is disposed immediately below the lateral intake terminal in said first conduit, said first conduit and discharge opening being so constructed and arranged as to enable the nozzle element and inductor tube to be inserted and removed therethrough.

2,272,907
FLASHLIGHT AND BATTERY UNIT THEREFOR
Cyril P. Deibel, Lakewood, Ohio
Application October 22, 1940, Serial No. 362,212
3 Claims. (Cl. 240—10.61)

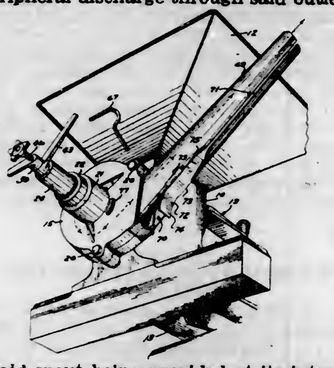


1. A flashlight comprising a metal shell, a flashlight head threadedly secured to said metal shell and including an electric lamp and a reflector grounded to one terminal of said lamp, a plurality of electrically connected dry cells arranged within said shell one of which is grounded to said metal shell and the other of which is adapted for connection to the other terminal of said lamp, spring means disposed between said reflector and metal shell preventing accidental movement of said head thereon and forming an electrical connection between said metal shell and one terminal of said lamp, the relative movement between said head and metal shell serving to make and break the circuit to said lamp, said metal shell being in the form of a tube the opposite ends of which are bent over inwardly to hold said cells permanently within said shell.

2,272,908
CRUSHING AND GRINDING MACHINE
John E. Dick, Hallock, Minn.
Application July 29, 1939, Serial No. 287,290
2 Claims. (Cl. 83—8)

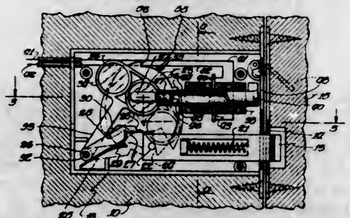
1. In a device of the class described, a grinding casing having an inlet passage and a tangential outlet passage, cooperating rotary and non-rotary annular grinding plates in said casing, means for delivering material to be ground

to the radial inner portions of said grinding plates, wherefrom the material will take an outwardly spiral course through the space between the grinding plates and will be discharged substantially tangentially therefrom at high velocity in a ground condition, and a spout forming a continuation of said tangential outlet passage and disposed with its axis substantially tangent to the peripheral discharge through said outlet pas-



sage, said spout being provided at its intermediate portion and closely adjacent the bottom thereof with a longitudinally spaced plurality of baffles that are forwardly inclined with respect to the axis of the spout, and said spout being open at its bottom both forwardly and rearwardly of said baffles, said baffles extending transversely across and closing the intermediate bottom portion of the spout.

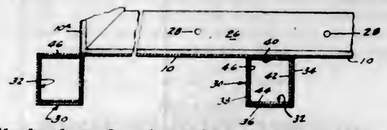
2,272,909
SIGNAL KNOB
Elmer A. Fantl, Chicago, Ill.
Application October 17, 1940, Serial No. 361,495
10 Claims. (Cl. 40—66)



1. In a lock which includes a case with a spring-pressed latch bolt therein, a locking member in the case adjustable at will to engage said bolt and hold it projected in locking position, said case having a window, a signal member movable within the case by said locking member and having a pair of translucent differently colored signal areas positioned for alternative display at said window in accordance with the adjustment of the locking member, and a lamp disposed within the case to illuminate the signal area displayed.

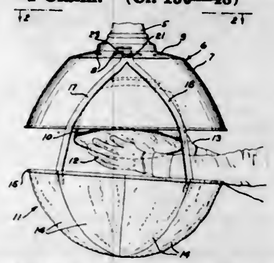
2,272,910
SHEET METAL BUILDING CONSTRUCTION
Peter Paul Gobberdiel, Chicago, Ill., assignor to Thomas J. Boodell, Chicago, Ill.
Application April 22, 1940, Serial No. 330,919
10 Claims. (Cl. 189—34)

10. A panel for sheet metal buildings having edge portions formed to a substantially rectangular cross-sectional shape, one of said edge portions bent outwardly from said panel for a short distance, then parallel thereto, then bent again toward said panel, then bent and aligned parallel to the plane of said panel and terminating near the first bend to form a slot so that a generally



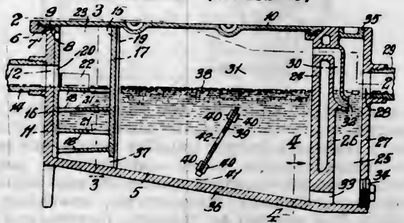
similarly shaped rectangular edge of an adjacent panel may be telescopically inserted therein through said slot to form an edge connection between adjacent panels with one leg thereof positioned in the plane of and adjacent the panel.

2,272,911
GLOBE CATCHER
Ora G. Hale, Berwyn, and Frederick L. Keller, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,376
1 Claim. (Cl. 150—48)



The combination with a lighting fixture having a reflector surrounded by a globe detachably carried on the fixture, of a globe catching device comprising a basket portion of flexible material, an annular stiffening member attached to an upper edge thereof, pairs of straps having their lower ends attached at spaced points to opposite sides of said basket portion, and members having hook and handle portions at opposite ends secured intermediate said portions, said hook portions adapted to engage in ventilating slots in the upper portion of the reflector for connecting the device to the fixture with the upper edge of the basket portion spaced from the lower edge of the reflector, the straps bearing upon the lower edge of the reflector and the outer surface thereof.

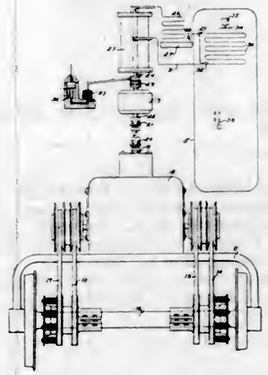
2,272,912
GREASE TRAP
John Heinkel, St. Louis, Mo., assignor to John C. Kupferle Foundry Company, St. Louis, Mo., a corporation of Missouri
Application November 29, 1940, Serial No. 367,819
12 Claims. (Cl. 182—9)



1. A grease trap comprising a casing having

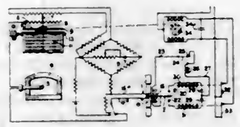
an inlet chamber at one end, an outlet chamber at its opposite end, a separating basin disposed between said chambers, and a series of apertured horizontally inclining baffle plates disposed in staggered relation and located in said inlet chamber.

2,272,913
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application January 31, 1935, Serial No. 4,344. Divided and this application December 18, 1937, Serial No. 180,629
1 Claim. (Cl. 230—29)



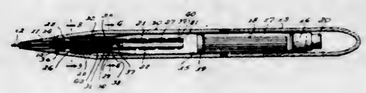
In a multiple cylinder compressor, a main housing, a drive shaft within said housing, and a plurality of rotary compressor units driven thereby each of which units comprises means forming a pumping cylinder having a cylindrical wall, inlet and outlet ports for said cylinder, a divider block between said ports, a cylindrical piston of less diameter than said cylinders, means for positioning said piston in varying eccentric relation within said cylinder, means including said drive shaft on which said piston is mounted whereby the axis of said piston is caused to revolve about a center within the cylindrical wall of said cylinder, and speed responsive means for moving said piston into varying eccentric relation with said cylindrical wall in accordance with the speed of said shaft, one of said speed responsive means being responsive to a different speed than another of said speed responsive means.

2,272,914
MEASURING INSTRUMENT OF THE POTENTIOMETER TYPE
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1938, Serial No. 232,586
13 Claims. (Cl. 171—95)



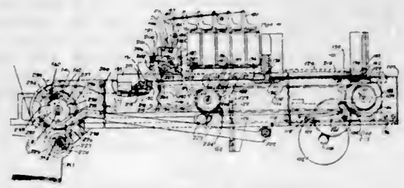
8. In a self-balancing measuring instrument, a galvanometer having a pair of coils associated therewith one of which is in a measuring circuit that includes a variable to be measured and to which said coil is responsive, a motor to rebalance said circuit, control circuits for said motor responsive, respectively, to said galvanometer deflections in one sense or the other, an additional biasing force for said galvanometer including said second coil, means to energize said coil in opposite directions in response to deflection of said galvanometer in one direction or in the opposite direction from a neutral position, and means operative in response to energiaztion of said second coil to complete one of said motor circuits.

2,272,915
MECHANICAL PENCIL
Lloyd A. Kelley, Toledo, Ohio, assignor to Conklin Pen Company, Chicago, Ill., a corporation of Illinois
Application October 3, 1940, Serial No. 359,571
9 Claims. (Cl. 120—18)



1. A pencil comprising an operating tube, a casing mounted thereon and rotatable relative thereto, feeding mechanism comprising two relatively rotatable parts, one within the other, one of said parts being attached to said casing and the other of said parts being attached to said tube, said last mentioned part including a longitudinally compressed spiral member, said first part being provided with means for maintaining a state of longitudinal compression in said spiral member, said means cooperating with said casing and being operable for actuating said first mentioned part relative to said second part for varying the compression of said spiral member.

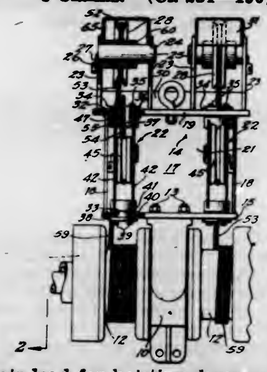
2,272,916
VERIFYING MACHINE FOR PERFORATED CARDS
Knut Andreas Knutsen, Paris, France
Application October 20, 1938, Serial No. 236,039
In France October 29, 1937
11 Claims. (Cl. 73—51)



1. In a machine for verifying perforated cards, an escapement mechanism for moving a card in position for verifying the perforations of the columns, one column after another, a keyboard with a key for each perforation to be verified

in a column of the card, a plurality of contacts operated by each key, a special contact which is common to said keys and which is operated as an incident to the operation of said first contacts, a circuit established by said special contact, said circuit passing in series each of the perforations in the column being verified which correspond to the keys depressed and one of said contacts operated by each key depressed, means for blocking the escapement of the machine if said circuit has not been established, and means for neutralizing said blocking means when said circuit has been established.

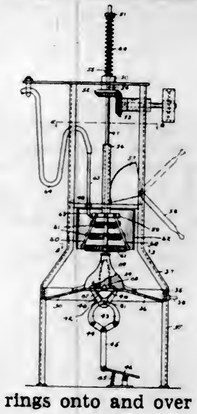
2,272,917
FAIR-LEADER
Frank P. Lawler, Chicago, Ill., assignor to G-L-T Corporation, San Francisco, Calif., a corporation of California
Application October 4, 1939, Serial No. 297,898
3 Claims. (Cl. 254—190)



3. A fair lead for hoisting drums comprising a spaced base plate and head plate, a frame on the base plate supporting said head plate, said frame being of columnar form and having a major longitudinal axis and a minor transverse axis, both said axes being in a plane parallel with said head plate, a pair of sheaves at one side of the major longitudinal axis of said frame mounted between said base plate and head plate to swivel through an arc of approximately 180 degrees, a pair of sheaves above said head plate, a pair of laterally spaced brackets on said head plate in substantial alignment with said frame, shift means for said brackets and on which said sheaves are mounted for rotation and axial shifting or fleeting movements in directions substantially parallel to the major longitudinal axis of said frame and in a plane at right angles to said plates and going through said major axis, whereby cables engaging the swiveled sheaves and led over the shifting sheaves will impose direct compressive strains on the frame and base plate through the shifting sheaves, and outwardly extending hub portions on said sheaves limiting the fleeting movement thereof in either direction.

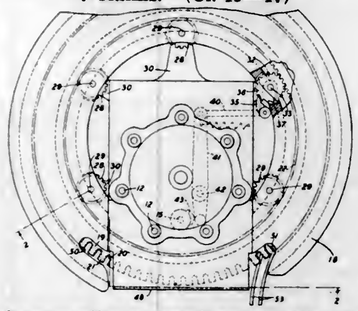
2,272,918
DEHAIRING MACHINE
Samuel J. Marquardt, near Monroeville, Ind.
Original application July 13, 1938, Serial No. 218,973. Divided and this application April 1, 1940, Serial No. 327,109
2 Claims. (Cl. 17—16)

1. A machine for dehairing an animal comprising a series of spaced rings formed of coiled springs, a flexible mounting supporting the rings, a driving shaft to rotate the mounting and means



to move the rings onto and over the surface to be dehaired.

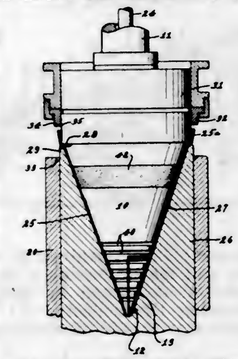
2,272,919
ANNEALING APPARATUS
Carl W. Maurer, Freeport, N. Y., and Arthur E. Winey, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1938, Serial No. 216,910
7 Claims. (Cl. 49—47)



1. An annealing apparatus comprising an annular element having article receiving notches in the periphery thereof and teeth formed in the inner surface thereof, an annealing oven housing the major portion of the element and having inlet and outlet apertures through which articles may be respectively inserted into the notches and removed therefrom, stationary means extending from the inlet aperture to the outlet aperture in the oven to effectively close the notches to maintain the articles therein against displacement while in the oven, a rotatable gear extending into the oven and interengaging the said teeth, and means disposed externally of the oven to cause rotation of the gear to cause movement of the element to move the articles through the oven.

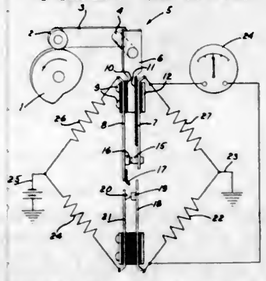
2,272,920
METHOD OF FORMING REINFORCING BEADS ON CONICAL PAPER CUPS
George Merta, Los Angeles, Calif., assignor to Paper Container Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1940, Serial No. 320,408
7 Claims. (Cl. 93—36.5)

1. The method of forming beaded reinforcements on a conical paper cup, comprising gripping the cup between cooperating male and female dies, stretching the paper radially at a point below the rim of said cup to reduce the angle of the section above the stretching point, pressing said section above the stretching point into a



cylindrical shape, rolling said cylindrical form spirally to said stretching point thus forming a compact bead at the rim of said cup, and rotating said cup and male die in cooperation with suitable means for embossing a series of reinforcing beads near the apex of said cup.

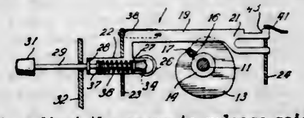
2,272,921
TENSION MEASURING APPARATUS
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,409
6 Claims. (Cl. 73—51)



1. An apparatus for determining the relative tension of a contact spring with respect to a standard gage spring including a normally balanced bridge circuit, a milli-ammeter connected to two opposed points of said bridge circuit, a power source connected across the other two points of said bridge circuit, a gage spring completing the bridge circuit at one point on the bridge, means for connecting the contact spring under test to the bridge circuit to complete the bridge circuit at the opposite point, and means for moving the gage spring to open the circuit at the contact spring under test.

2,272,922
CONTROL APPARATUS FOR RADIO RECEIVERS
Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,609
11 Claims. (Cl. 74—10)

1. Tuning apparatus for a radio receiver including a rotary shaft, a control unit on such shaft adapted to be adjusted relative to said shaft and having friction adjusting means thereon for securing said unit in an adjusted position, means for moving said control unit to predetermined tuning positions for said apparatus, means selectively connectible with said friction adjusting

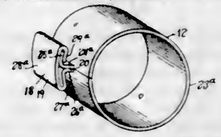


means to adjust the same to release said control unit from, or secure it to said shaft, and means on said means for moving said control unit slidably supporting said selectively connectible means thereon for linear movement into and out of operative connection with said friction adjusting means.

2,272,923
LUBRICANT
Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 12, 1938, Serial No. 245,225
4 Claims. (Cl. 252—39)

1. A lubricating composition containing as a principal lubricating constituent a major amount of mineral lubricating oil with the properties of such composition affecting its use as an extreme pressure lubricant under conditions of temperature and pressure such as normally exert a decomposing influence on organic halogen compounds improved by the inclusion in the composition of a minor amount, based on the amount of mineral lubricating oil, of a halogen bearing hydroxy organic composition selected from the class consisting of: (*a*) the halogen bearing product produced by first halogenating an organic acid, then partially hydrolyzing the halogenated organic acid to remove the relatively active halogen from the molecule and substituting a hydroxyl group in place thereof; (*b*) the halogen bearing products produced by forming esters of the material identified under (*a*) above; and (*c*) halogen bearing salts of the material identified under (*a*) above.

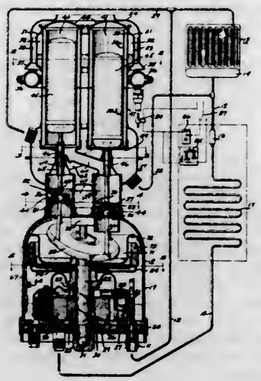
2,272,924
ADJUSTABLE HOLDER FOR LIPSTICKS AND THE LIKE
Howard F. Reichenbach, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application June 9, 1941, Serial No. 397,159
2 Claims. (Cl. 206—56)



1. An adjustable holder for lipsticks and the like, comprising: a hollow body-member having a side-wall formed with a substantially-longitudinal slot; and a carrier formed of sheet material and axially movable in the said body-member, the said carrier including a body-portion bent into tubular form with juxtaposed edge-portions; a first shank-portion integral with and

extending outwardly from one of the said juxtaposed edge-portions of the said body-portion through the slot in the said body-member, a second shank-portion integral with and extending outwardly from the opposite contiguous edge-portion of the said body-portion and through the slot in the said body-member, a first interlocking-finger integral with and bent from the outer end of the said first shank-portion in a direction away from the said second shank-portion; a back-portion integral with and bent from the outer end of the said second shank-portion in a direction away from the said first shank-portion, a face-portion integral with and bent from the outer end of the said back-portion and extending over the front face of both the said back-portion and the said first interlocking-finger of the said first shank-portion, and an interlocking-finger integral with and reversely bent from the outer end of the said face-portion into substantial engagement with the back face of the said first interlocking-finger of the said first shank-portion.

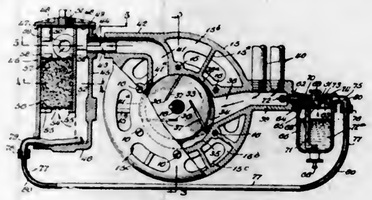
2,272,925
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 26, 1936, Serial No. 87,474
6 Claims. (Cl. 62—115)



2. In a refrigerating device, a compressor, a condenser and an evaporator connected in refrigerant flow relationship, a Stirling cycle heat engine for operating said compressor, and means whereby refrigerant condensed in said condenser is utilized in cooling a portion of said heat engine.

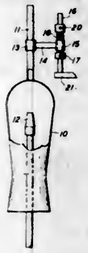
2,272,926
PUMP
Samuel Squiller, Pittsburgh, Pa., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application January 26, 1939, Serial No. 252,888
9 Claims. (Cl. 230—207)

4. A pump comprising a housing having an inlet and an outlet, a pumping unit operative within said housing to draw air through said inlet and expel it under pressure through said outlet, an oil and air separator having an inlet and an outlet, a connection between the inlet of said oil and air separator and the outlet of said housing, an oil reservoir, a connection between said reservoir and the inlet side of said housing, lubricating means including a wick extending from the reservoir through said connection and terminating in said inlet for supplying lubricating oil to the air drawn through said inlet to lubricate said pumping unit, means in said oil and air separator



for removing the oil from said air in its passage therethrough, and means having a delivery end subject to suction developed by said pumping unit for returning the collected oil from said oil and air separator to said oil reservoir.

2,272,927
METHOD OF TUBULATING
Luke L. Stager, Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1938, Serial No. 230,044
3 Claims. (Cl. 49—78)

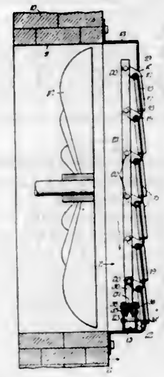


1. A method of tubulating bulbs comprising placing a tube with one end in engagement with the outer surface of a portion of a bulb, applying a forced flame to the inner surface of the said portion in alignment with the tube to uniformly soften the portion at the tube and the end of the tube engaging the portion, forcing the tube toward the flame, limiting the movement of the tube, applying air under pressure through the tube to break the softened portion against the flame to maintain a uniform opening through the tube, and fusing the tube to the bulb.

2,272,928
SHUTTER CONTROLLING DEVICE
Lewis C. Weaver and Arthur G. Sutcliffe, Chicago, Ill., assignors to Ilg Electric Ventilating Company, Chicago, Ill., a corporation of Delaware
Application November 15, 1937, Serial No. 174,575
9 Claims. (Cl. 98—116)

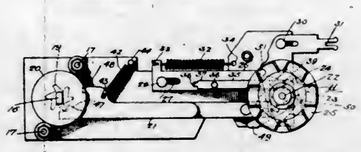
1. The combination with a fan and a gang of parallel pivoted shutter blades, and a link connecting said blades for simultaneous opening movement and simultaneous closing movement, of a spring, and means actuated by said spring

and coacting with said link assisting the blast when the fan is running to hold the shutter blades



open and holding the shutter blades closed when the fan is idle.

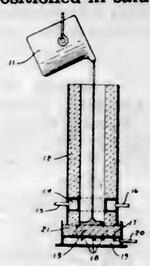
2,272,929
POSITIONING DEVICE
Jay E. Barth, Detroit, Mich., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 25, 1939, Serial No. 286,490
6 Claims. (Cl. 74—125)



1. A positioning device comprising a first rotatable shaft to be positioned; ratchet means on said shaft having a predetermined number of ratchet teeth; a manually-operable pawl for operating said ratchet mean to thereby rotate said shaft step-by-step; a second rotatable shaft to be positioned, said second shaft being spaced from said first shaft; ratchet means on said second shaft having the same number of ratchet teeth as said first ratchet means; a second pawl longitudinally movable and extending between said first and second shafts for operating the ratchet means on said second shaft; and a star wheel having the same number of teeth as the two aforesaid ratchet means and operable by the ratchet means on said first shaft for moving said second pawl longitudinally, the teeth of the two ratchet means and the star wheel being relatively orientated so as to rotate said second shaft in step-by-step correlation with said first shaft.

2,272,930
FROTHED GLASS BLOCK APPARATUS
Henry R. Black, Corning, N. Y.
Application March 19, 1938, Serial No. 196,988
10 Claims. (Cl. 49—65)

1. In a device for forming porous vitreous articles, a mold having refractory side walls and bottom of relatively low thermal conductivity, and a cooled metallic insert having a vertical height substantially less than the height of said refractory side walls positioned in said side walls adja-



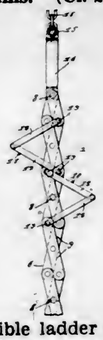
cent said bottom, said insert being exposed in the mold cavity.

2,272,931
WIRE BURNING UNIT
Earl D. Boisselier, Glen Ellyn, Ill., assignor to Blanche F. Boisselier, Glen Ellyn, Ill.
Application March 11, 1939, Serial No. 261,272
2 Claims. (Cl. 219—29)



1. A hot wire burning device for making ornamental designs, figures and the like, comprising a base, a transformer on the base, a housing on the base for the transformer, a bracket secured to the base, a wire terminal on the bracket, a spring arm carried by the casing, a wire terminal on the end of the spring arm, a resistance wire having its lower end connected with the terminal on the bracket and its upper end connected with the terminal on said spring arm, a guard carried by the end of the spring arm for shielding the hot wire, and current supplying leads connecting the said wire terminals with the transformer.

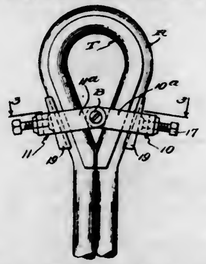
2,272,932
FIRE ESCAPE
John F. Carter, Pensacola, Fla.
Application April 22, 1940, Serial No. 331,009
2 Claims. (Cl. 228—36)



1. In a collapsible ladder formed of lazy tong levers connected by center and end pivots, a plurality of pairs of links connected together at one end and having their opposite ends connected to end pivots of the said levers to form V-shaped brackets projecting laterally of the side members

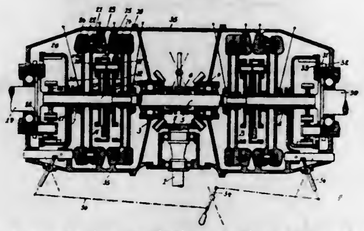
to space the ladder from a wall when the ladder is extended and to assume positions approximately parallel with the levers when the ladder is in collapsible arrangement.

2,272,933
CLAMPING DEVICE
James Conohan, Boston, Mass.
Application June 23, 1941, Serial No. 399,323
11 Claims. (Cl. 114—226)



1. A clamping device to hold rope to a thimble comprising two U-shaped members each embodying two arms and a connecting web, the said arms of one said member being spaced apart a shorter distance than the arms of the other said member whereby they may be inserted between said arms of the latter said member, said arms of each said member having holes therein at their outer end portions that are in alinement whereby said members can be held together by a pin member extending through said four holes, said webs each having a threaded aperture therein and each having a screw-threaded member screw-threadedly extending into said aperture.

2,272,934
MECHANISM FOR POWER TRANSMISSION
Jean Cotal, Paris, France
Application February 23, 1938, Serial No. 192,157
In France February 24, 1937
1 Claim. (Cl. 180—17)



In a power transmission device for motor vehicles, a driving shaft, two driven shafts disposed in line with said driving shaft and on either side of said driving shaft, two speed changing devices adapted to afford the same series of at least two speed ratios and interposed respectively between each driven shaft and said driving shaft, each speed changing device comprising a pinion carrier secured to the corresponding driven shaft at least one pinion rotatably mounted on said carrier, two concentric wheels meshing with said pinion, two electromagnets, one of which is stationary and the other is connected with said corresponding driven shaft, two members rotatable with one of said concentric wheels and relatively slidable in the axial direction and adapted to be brought respectively into contact with said two electromagnets the other of said concentric wheels being adapted to be operatively connected with said driving shaft and conducting means for energizing said electromagnets whereby said driven shafts may be driven in a determined direction the same speeds or different speeds for steering purposes and each driven shaft may be braked independently of the other.

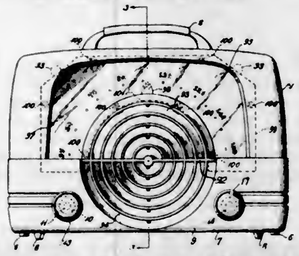
2,272,935
FINISHING OF LEATHER
Arthur Frederick Richmond Cotton, Liphook, England
No Drawing. Application July 21, 1939, Serial No. 285,769. In Great Britain June 28, 1938
5 Claims. (Cl. 149—6)

1. A process for the finishing of leather, that is, treatment subsequent to tanning, which consists in contracting the fibres of the leather by applying heat at a temperature of 240° F.–600° F. to the tanned skin by pressing the skin against a hot surface under an applied pressure which does not exceed 30 lbs. per square inch, and maintaining said skin free from tension along lines lying in the plane of the skin during the application of the heat and pressure.

2,272,936
MAGNESIUM ALLOYS
Alfred Dällenbach, Ruschlikon, Zurich, Switzerland, assignor to Arnold Hammer, Zurich, Switzerland
No Drawing. Application December 13, 1939, Serial No. 309,106. In Switzerland December 14, 1938
2 Claims. (Cl. 75—168)

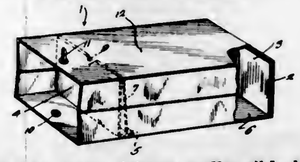
1. A corrosion-resistant alloy having a Brinell hardness of about 100 or higher consisting essentially of about 10 to 15% aluminium, about 7 to 10% manganese, about 2 to 3% silver as a homogenizer during cooling, about 0.5 to 1% of a metal of the group consisting of beryllium, iridium and tantalum, and substantially all of the balance being magnesium, said alloy being substantially free of silicon, stibium, nickel, chromium, molybednum and titanium.

2,272,937
RADIO RECEIVING APPARATUS
Kurt Emde, Itasca, Ill., assignor to Zenith Radio Corporation, Chicago, Ill.
Application June 11, 1941, Serial No. 397,609
1 Claim. (Cl. 250—14)



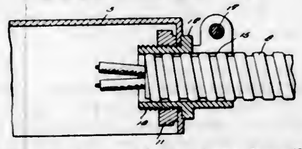
A grill for use in front of a radio loud speaker, comprising: a plurality of concentric louvers, a web extending diametrically of said louvers so that a series of louvers is arranged upon opposite sides of said web, the louvers of each of said series being arranged upon an angle relative to their axis, the louvers of one series extending angularly toward said axis on one side of the grill and the louvers of said other series extending angularly toward said axis on the opposite side of said grill.

2,272,938
CONTAINER
Sante Joseph Ferrante, Passaic, N. J.
Application January 16, 1940, Serial No. 314,155
1 Claim. (Cl. 229—55)



A container comprising a collapsible bag open at one end, a closure mounted for swinging movement in the bag adjacent the open end thereof, said closure being of cardboard and including an integral flap on one end secured flatwise to one wall of the bag in a transverse position, said closure embodying an intermediate section and a free end section coextensive with the intermediate section and foldable against each other, said free end section being adapted to edgewise abut the flap when the closure is in a transverse position for closing the container, said intermediate and free end sections having an opening in their connecting portion and said intermediate and free end sections of the closure being adapted for arranging in extended relation and foldable in extended form on said flap inwardly of the container.

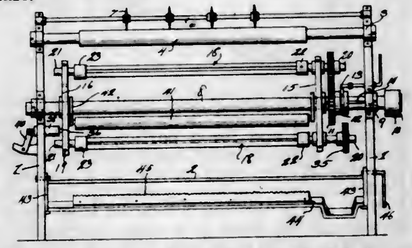
2,272,939
CABLE CONNECTER FOR JUNCTION BOXES
Joseph N. Funk, Maiden Rock, Wis.
Application January 22, 1940, Serial No. 315,097
1 Claim. (Cl. 285—6.5)



A connecter fitting of the class described comprising in combination, a junction box having an opening therein, serrations formed on one of the outer faces of said box adjacent said opening and diverging outwardly therefrom and a cable holding device comprising a sleeve adapted for insertion in said opening, an annular flange formed on said sleeve intermediate of its length, said sleeve being externally screw-threaded from the flange to one end, a nut adapted to screw onto said threads, said flange having a plurality of teeth formed on the face thereof directed toward said threads, said teeth and said serrations cooperating to prevent relative rotation therebetween, whereby said cable is held against relative rotation while said connecter is fitted to said box, and means on said sleeve to clamp said cable in said sleeve.

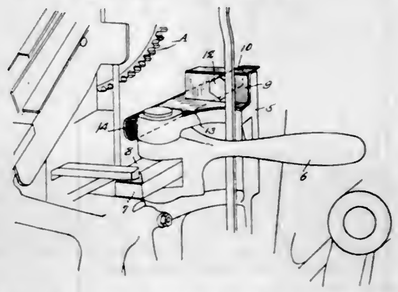
2,272,940
METHOD OF WINDING PAPER AND MECHANISM THEREFOR
George A. Gerard, Short Hills, N. J.
Application March 23, 1940, Serial No. 325,621
12 Claims. (Cl. 242—56)

1. Mechanism for winding rolls of material from a supply source, comprising at least two winding cores in spaced parallel relation, a driven rotatable shaft extending therebetween and in parallel relation therewith, supporting means for said cores which is mounted on the shaft for free turning thereabout independently of the driven shaft, means for selectively coupling the driven shaft with the cores for effecting their turning on the supporting means and through the driven shaft, and means releasably holding the core supporting means against turning on the shaft.



8. The method of winding material in rolls from a supply source, which comprises starting an end of the material on a winding core to form a roll, then moving said core from its initial position through an arcuate path and simultaneously moving a second core in the same direction through a corresponding arc and on the same axis into a preparatory winding position across the material between the first core and the source, continuing drawing the material from said source across the second core and the winding of a roll of the material on the first core to completion, then discontinuing winding the first roll and starting winding the material on the second core without separating the first roll from the source, to start a roll on the second core, then severing the material between the two rolls and securing the end of the roll on the first core.

2,272,941
GUARD FOR LINOTYPE MACHINES
Louis Edward Glazer, Quincy, Mass.
Application July 7, 1941, Serial No. 401,361
1 Claim. (Cl. 199—53)



A molten metal guard adapted for positioning on the control lever bracket of a Linotype machine, adjacent to the mold disk thereof, said guard comprising a body portion constructed of sheet metal material, an upstanding flange formed on the body portion and terminating in a right angled flange, said flange adapted to fit over said lever control bracket, said upstanding flange having a bolt opening for the reception of the control lever bracket bolt, and a downwardly

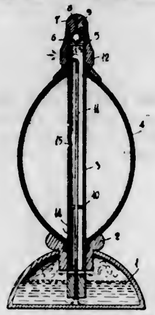
extended flange formed along one edge of the body portion and adapted to guard the control mechanism of the machine.

2,272,942
HAIR CURLER
Perry J. Goodwin, Palo Alto, Calif.
Application January 21, 1941, Serial No. 375,327
1 Claim. (Cl. 132—35)



A hair curling device comprising a relatively wide hollow cylindrical body slotted longitudinally from one end for a portion of its length to provide a group of comb teeth and the remaining portion of the body providing a handle, a relatively narrow hollow cylindrical extension formed on and projecting outwardly from the opposite end of the body to provide a shoulder at the juncture of the extension with the body, said extension being slotted longitudinally from its outer end for a portion of its length to provide a second group of comb teeth, and either group of teeth adapted for separating and combing out a lock of hair from the scalp and for securing the outer end portion of the lock to the device whereby upon rotating the device toward the scalp the lock is wound about the teeth for forming a curl.

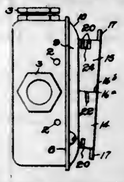
2,272,943
ATOMIZER
Elton F. Healy, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application June 19, 1940, Serial No. 341,353
7 Claims. (Cl. 299—89)



3. In an atomizer, a liquid chamber, an outlet tube for liquid from the chamber, a pipe for admitting air under pressure to the chamber and its outlet tube, a port for admitting air to the liquid outlet tube near its top, and a pressure chamber for air surrounding the liquid outlet tube and the air admitting pipe.

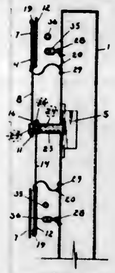
2,272,944
OUTLET BOX COVER AND ADAPTER
Reginald Hiltz, Brookline, Mass.
Application January 31, 1939, Serial No. 253,793
7 Claims. (Cl. 220—3.7)

1. An outlet box cover with means for locking it to a box and having a block-receiving opening therein, a downwardly curved, wire-supporting and adapter-protecting ridge adjacent the opening edge to prevent any injury to the wires and loosening of the adapter when the wires are drawn through an outlet into the box; block adapter engaging means on the cover near the opening edge, a multi-section adapter having a shape substantially the shape of the opening in the cover and having its sections hingedly jointed midway its ends and having cooperating



cover-engaging means permitting the adapter, when the joints are broken, to be positioned in said opening with selected cover-engaging means cooperating with adjacent adapter engaging means on the cover to position the adapter at selected height and angle in and to the cover, and locked therein when the adapter joints are closed.

2,272,945
LUMINOUS DISPLAY WITH AN EFFECT OF MOTION
Fred Hotchner, Los Angeles, Calif.
Application September 27, 1939, Serial No. 296,792
6 Claims. (Cl. 40—130)

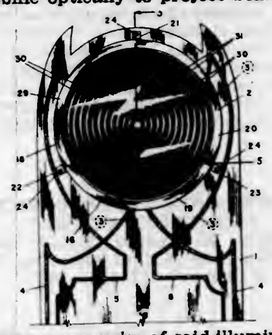


1. An animation producing device including a plurality of elongated illuminants spaced from each other and extending in the same general direction across an area over which the illusion of animation is to be produced, a lenticular refractor coextensive with and in front of the same and having a plurality of lens formations projective of images of said illuminants substantially covering said area, a second lenticular refractor positioned in front of the first and having a plurality of lens formations focused on the plane of said images and projective of various light beams to various positions in the field of view for various positions of said refractors relative to each other, and means to move one of said refractors slantwise across the other refractor to sweep the field of view with said beams to produce the illusion of animation in the general direction of said illuminants.

2,272,946
ANIMATED DISPLAY DEVICE
Fred Hotchner, Los Angeles, Calif.
Application June 17, 1940, Serial No. 340,947
16 Claims. (Cl. 40—130)

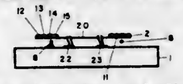
1. The combination of an illuminant elongated at least partially in the form of a circuitous design with a pair of refractors positioned one in front of the other in front of said illuminant and

having each a plurality of refracting formations extending generally in the direction of said illuminant and spaced and contoured so that they combine optically to project beams of nar-



row divergence crosswise of said illuminant to the field of view of the display so formed, and means to shift said refractors relative to each other eccentrically around an axial point embraced by said design.

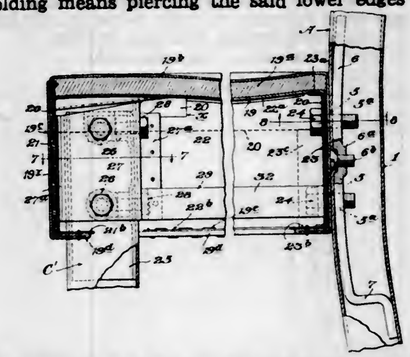
2,272,947
ANIMATED PICTORIAL DISPLAY
Fred Hotchner, Los Angeles, Calif.
Application July 24, 1940, Serial No. 347,129
8 Claims. (Cl. 40—130)



1. An animated display including an elongated illuminant in the form of a pattern along which the effect of animation is to be produced and at least partially enclosing a non-circular copy space, a pair of sheet members positioned one in front of the other in front of said illuminant and having each a plurality of light intercepting segments over the region which is to appear animated, there being non-animated copy exposed to view over said copy space, and means to shift one of said sheet members relative to the other to traverse the segments of one over the segments of the other to produce an animation effect along said illuminant without general rotation of the moving member.

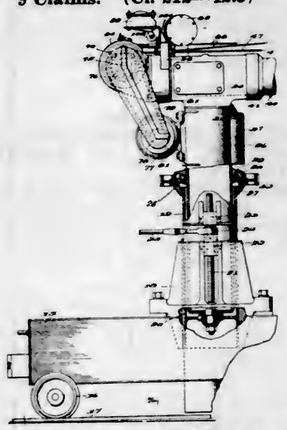
2,272,948
CHAIR
Eric Magnus Johnson and Dwight Powell, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application August 5, 1939, Serial No. 288,654
2 Claims. (Cl. 155—184)

2. A chair comprising, a rear frame including spaced side members, a seat including a seat pan having flanges depending from each edge thereof, a front apron including a front wall and rearwardly extending side walls, said side walls each having an inturned flange at the top thereof and secured to the seat pan in the angle formed by related depending flanges of the said seat pan, a rear apron having a top flange secured to the seat pan within the angle of the flange at the rear thereof and also having end flanges overlapping and secured to the rear end of the side walls of the front apron, the front and side walls of the front apron and the rear apron each having inwardly directed perforated bottom flange members, and an upholstery covering for said seat pan and apron members, and including top, and front, side, and rear portions whose lower edges are turned inwardly parallel to the bottom perforated flanges of the apron members, flexible holding means piercing the said lower edges of



the covering and the perforated bottom flanges of the aprons, means for securing leg members to the front corners of the seat pan, and means for connecting the rear apron of the seat pan to the spaced side members of said frame.

2,272,949
CAR LOADING AND UNLOADING APPARATUS
Elwin H. Kidder, La Porte, Ind., assignor to American Creosoting Company, Inc., Louisville, Ky., a corporation of Delaware
Application July 27, 1940, Serial No. 347,953
9 Claims. (Cl. 212—42.5)



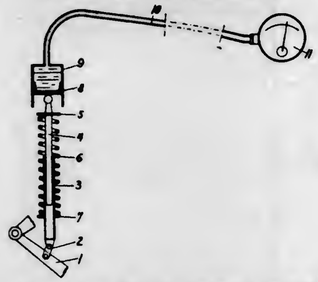
1. In car loading and unloading apparatus, a vertical mast, a horizontally extending sectional boom mounted at one end on said mast for swinging movement in a horizontal plane about the axis of said mast, said boom comprising a plurality of sections pivotally connected end to end for adjustment to either of two oppositely disposed angularly related positions of operation in which the ends thereof lie substantially on the circumference of a circle of which the end mounted on said mast is the center, and means for locking said sections in fixed angular relation in either of the said two oppositely disposed angularly related positions of operation, whereby said boom may be selectively adjusted to provide a rigid horizontal arm capable of swinging into either end of a car through the center door thereof.

2,272,950

APPARATUS FOR THE DISTANT INDICATION OF DISPLACEMENTS OR DEFORMATIONS, AND THEIR APPLICATIONS

Jean Mercier, Neuilly-sur-Seine, France

Application February 21, 1938, Serial No. 191,580
In Great Britain February 26, 1937
11 Claims. (Cl. 116—124)



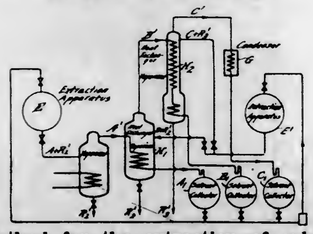
1. An apparatus for the distant indication of displacements, deformations or like variations of position and shape of bodies of any kind, chiefly adapted for use on aircraft, comprising an elastic means directly subjected to said variations, a fluid circuit acted upon by said elastic means and the fluid pressure whereof is determined by the action resulting from said variations and transmitted thereto through the intermediary of said elastic means, a measuring and indicating device connected with said circuit and responsive to the variations of pressure occurring therein, and means for rendering the transmission of said variations of shape and position to the fluid circuit practically rigid when said variations attain a nearly extreme value, whereby further variation results in a relatively great change in condition of said indicating device.

2,272,951

PROCESS FOR THE EXTRACTION OF SUBSTANCES AS WELL AS MIXTURES OF SUBSTANCES

Rudolf Morf, Kyburg, and Gérard Cornaz, Winterthur, Switzerland

Application November 4, 1938, Serial No. 238,922
In Switzerland November 22, 1937
1 Claim. (Cl. 202—45)



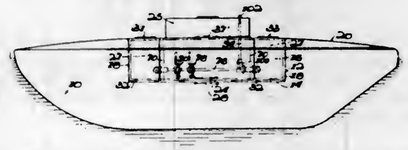
A method for the extraction of substances, comprising separately treating material to be extracted with a plurality of different, separate solvents having different boiling points to produce a plurality of separate solvent-extracts, then separately evaporating the solvent having the highest boiling point from its solvent-extract, bringing the vapors of the solvent having the highest boiling point into heat-exchange relationship with the solvent-extract of the solvent having the next lower boiling point while maintaining said solvents separate to transfer the latent heat of the vapors of the solvent having the higher boiling point to the solvent-extract of the solvent having the next lower boiling point, thereby condensing the higher boiling solvent and causing the said lower boiling solvent to evaporate, without any more external energy being used than is necessary to evaporate the solvent with the highest boiling point, and without any pressure difference being necessary between the solvent vapors and the solvent-extracts involved in the heat exchange, condensing the lower boiling solvent, and collecting said solvents separately.

2,272,952

SELF-CONTAINED ESCAPE DEVICE FOR SUBMERGED VESSELS

Charles W. Reed, Jr., Mobile, Ala.

Application June 24, 1941, Serial No. 399,521
3 Claims. (Cl. 114—16.7)



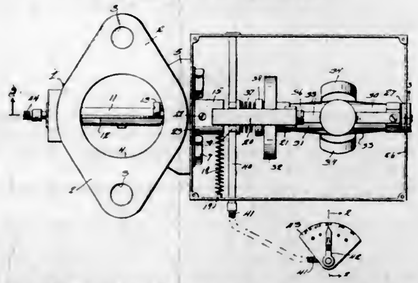
1. The combination with a submarine vessel having a sealed cavity formed in the upper deck thereof, of a sealed buoyant lifeboat having a shell or hull portion removably disposed within said cavity, a plurality of vertically extending toothed racks secured to the side walls of said cavity and extending from points adjacent the bottom of the latter to points adjacent the rim thereof, a plurality of shafts extending horizontally through the side walls of the lifeboat hull, a pinion mounted on each shaft exteriorly of the hull and meshing with a respective rack, and means disposed within the lifeboat for rotating said pinions in unison.

2,272,953

SPEED CONTROL MECHANISM FOR VEHICLES

Harry E. Rooney, Haddam, Kans.

Application August 8, 1939, Serial No. 289,026
7 Claims. (Cl. 192—105)



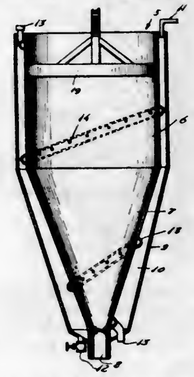
3. A shaft rotation control device, comprising a rotatably supported shaft, a centrifugal governor including a rotary disk member mounted for movement axially of said shaft under the effect of centrifugal force, an element secured to said shaft to turn therewith and including a friction member disposed adjacent the leading face of the said disk when the disk is moved under the action of said force, manual means for moving said rotary disk against the friction element, and means for coupling a rotating driving shaft with the governor.

2,272,954

CHEESE-CURD MACHINE

Paul Sartori, Plymouth, Wis.

Application October 1, 1940, Serial No. 359,279
2 Claims. (Cl. 31—46)



1. In a device of the character described, a hopper including a funnel-shaped portion terminating at one end in a discharge neck of a selected shape and a cylindrical portion integral with the other end of the funnel-shaped portion, a jacket surrounding the hopper and spaced therefrom to form a water space to receive water at a desired temperature for keeping cheese curd within the hopper at a desired temperature, means for admitting water to the water space, means for permitting water to escape from said space, and means on the outer wall of the hopper and extending outwardly of the jacket and having direct communication with the interior of said hopper for permitting moisture to escape from the cheese curd within said hopper.

2,272,955

BLOTTER DEVICE

Solomon Spitalnik, Miami, Fla., assignor of forty per cent to Emanuel Schon, Miami, Fla.

Application February 14, 1941, Serial No. 378,991
2 Claims. (Cl. 120—24)



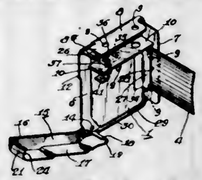
1. A blotter device comprising an upper open frame having its side edges turned downwardly and inwardly forming longitudinal grooves on either side of the frame adapted to hold a transparent cover and a picture secured at the edges in said grooves, the ends of the frame being turned downwardly and then inwardly to form grooves on the ends of the frame receiving the cover and the picture, a lower member semi-oval in longitudinal section having a flat top wall provided with an opening and extending at the longitudinal edges outwardly to provide flanges received in said longitudinal grooves of the frame, the top wall being provided at the ends with transversely disposed slots, and a blotting paper sheet disposed on the bottom member having the end portions bent over said top wall and thence bent downwardly and received in said slots, said bent end portions being clamped against said top wall by said upper member, the lower member forming a receptacle which is closed by the upper member.

2,272,956

HEADRAIL AND VALANCE BRACKET

Walter J. Stuber and John J. Di Ienno, Philadelphia, Pa., assignors to Carey McFall Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 22, 1940, Serial No. 336,668
2 Claims. (Cl. 156—17)



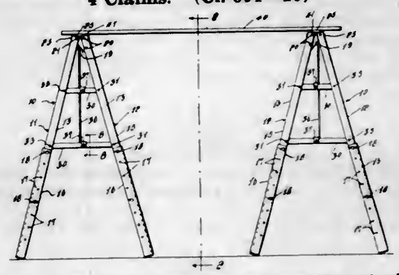
1. A Venetian blind head casing comprising a pair of end closures, each provided with a slot adjacent its rear edge, and a back plate of normally concavo-convex cross-section having its opposite ends respectively mounted in said slots with the crown of the convexed side and the edges of the concaved side bearing against the opposite sides respectively of said slots.

2,272,957

SCAFFOLD

Fred E. Walp, Springfield, Ohio

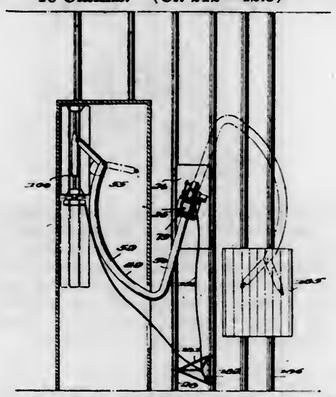
Application July 10, 1941, Serial No. 401,827
4 Claims. (Cl. 304—10)



1. A scaffold comprising a plurality of platform supporting members, each of said supporting members including a pair of legs, said legs being pivotally connected at their upper ends, braces for holding said legs in downwardly diverging relationship to one another, a beam pivotally connected at one of its ends to said legs at their upper pivoted ends, and braces for supporting said beam at an angle to the legs, said beam being adapted to be disposed in substantially a horizontal position and with its free end resting against an upright supporting surface, said legs being adapted to rest at their lower ends on a horizontal supporting surface for supporting the opposite, pivoted end of the beam, and said platform supporting members being adapted to be disposed, relatively to one another, so as to support a platform on their beams, a hanger detachably connected to the beam, adjacent its free end and depending therefrom, a plurality of bars each pivotally connected at one end thereof to said hanger, and said bars being provided with notched free ends for engaging said first mentioned braces for supporting the bars in substantially horizontal positions, beneath

and substantially parallel to the beam, and said bars forming supplementary platform supporting beams.

2,272,958
RAILWAY CAR LOADING AND UNLOADING APPARATUS
George F. Wiese, Louisville, Ky., assignor to American Creosoting Company, Inc., Louisville, Ky., a corporation of Delaware
Application November 7, 1938, Serial No. 239,401
18 Claims. (Cl. 212—42.5)



1. In a car loading and unloading apparatus, a boom support mounted to rotate about a vertical axis, a boom mounted on said support having a substantially straight inner portion extending horizontally from said support and a horizontally disposed curved outer portion arranged upon rotation of said support to move into and out of said car, and an auxiliary arm pivotally connected to the outer end of said curved arm portion.

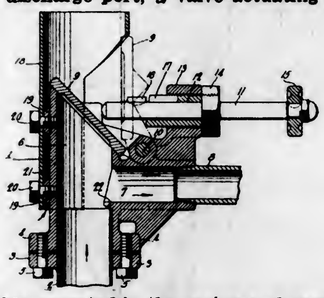
2,272,959
SAFETY MASK
Farrand W. Van Wormer, Oklahoma City, Okla., assignor of one-half to Ethel Laizure, Oklahoma County, Okla.
Application July 31, 1940, Serial No. 348,865
5 Claims. (Cl. 2—205)



1. The combination of a head protecting hood having an annular series of keepers, and a helmet, of supporting means on the helmet comprising an annular series of plates fastened to the helmet, cushioning and spacing members carried by the plates, and fastening clips carried by the plates to engage the keepers on the hood.

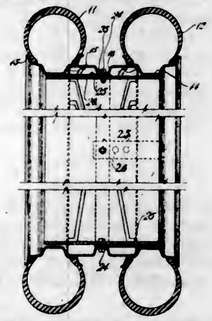
2,272,960
VALVE
Charles H. Young, Jr., Wayne, Pa., assignor to The Hale Fire Pump Co., Inc., Conshohocken, Pa., a corporation of Pennsylvania
Application March 21, 1941, Serial No. 384,557
9 Claims. (Cl. 251—125)

1. A valve unit comprising a casing having intake and discharge ports defining the ends of a primary flow passage, and a secondary discharge port opening from the side of said passage, a valve element operatively associated with said primary discharge port, a valve-actuating push



rod slidably mounted in the casing and operative when advanced to move the valve to port-closing position, and means operative by rotative movement of the rod for locking the latter in the advanced position.

2,272,961
WHEEL CHANGE-OVER UNIT
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 29, 1940, Serial No. 321,489
10 Claims. (Cl. 301—13)

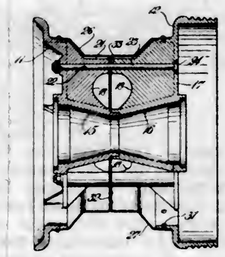


1. In a wheel assembly, an annular wheel having a relatively wide cylindrical outer periphery having a series of apertures therein which are in a plane perpendicular to the axis of the wheel, a rim mounting band having a recessed center portion adapted to engage with said annular wheel, securing means extending through said apertures and being associated with said recessed center portion to secure said rim mounting band to said annular wheel, and a tire rim, having a flat base portion, associated with each extremity of said rim mounting band, the base portions of said rims being engaged with said annular wheel and a side portion of each of said rims being supported by said rim mounting band.

2,272,962
WHEEL CONSTRUCTION
John W. Tatter, Akron, Ohio, and Byron Henry Shinn, Butler, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 3, 1940, Serial No. 343,700
3 Claims. (Cl. 301—63)

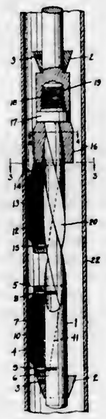
1. A split wheel for a pneumatic tire compris-

ing two spoked wheel sections adapted to be positioned together to form a wheel, said wheel sections having narrow flanges thereon at their radially outer edges and hubs that extend axially inwardly of the outer edges of said wheel sections appreciably farther than said flanges, the spokes of said wheel sections extending axially inwardly of said wheel sections substantial-



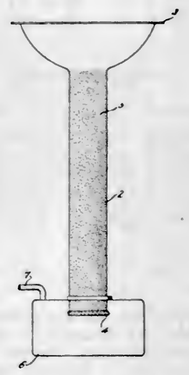
ly as far as said hub, means extending through the outer edges of said wheel sections to secure them together with the inner ends of said hubs and spokes abutted against each other, two annular rim sections adapted to engage with said flanges and form a tire receiving center in the wheel, and means for securing said rim sections to said wheel sections.

2,272,963
SWAB
Kline F. Budd, Houston, Tex.
Application October 19, 1939, Serial No. 300,155
7 Claims. (Cl. 103—225)



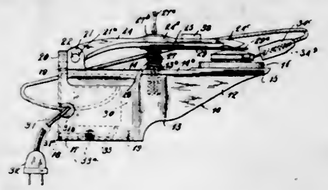
1. A swab comprising a mandrel, complementary swab sections, one of said sections being fixed on the mandrel and the other section being movable about the mandrel into inactive position in substantially longitudinal alignment with the fixed section and into active position in registration with the fixed section, interconnecting means between the mandrel and the movable section for causing such movement of the movable section, upon longitudinal movement of the mandrel relative thereto.

2,272,964
PROCESS FOR REFINING OILS AND FATS TO CHECK THE DEVELOPMENT OF RANCIDITY
Mayne R. Coe and Mayne R. Coe, Jr., Washington, D. C., dedicated to the free use of the People of the United States of America
Application June 29, 1938, Serial No. 216,538
4 Claims. (Cl. 210—203)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



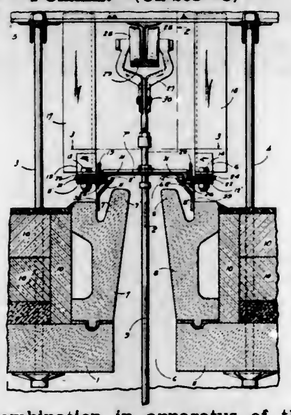
1. A process for refining oils and fats containing photosensitizing pigments to check the development of rancidity comprising percolating the oil or fat through a column of finely powdered sugar, whereby said pigments are absorbed in the sugar and removed from the oil or fat, and thence recovering the oil or fat product free of said pigments.

2,272,965
VULCANIZER CLAMP
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1938, Serial No. 192,117
16 Claims. (Cl. 219—19)



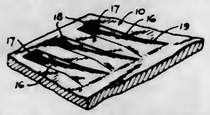
1. A vulcanizer clamp comprising a body provided with an article supporting table, a clamp arm overlying said table and formed of electrically conductive material, means movably connecting said arm to said body, means for moving said arm toward said table with a clamping action, and means for connecting said arm to one side of an electrical circuit whereby a separate vulcanizing unit may be used in the clamp of the type having one end of an electrical heating element insulated from the unit and adapted to be connected to one side of an electrical circuit while the other end of said element is electrically connected with the unit.

2,272,966
FURNACE SEAL
Elmer W. Dany, Brecksville, Ohio, assignor to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 5, 1940, Serial No. 328,070
4 Claims. (Cl. 263—8)



1. In combination in apparatus of the type described, members defining a slot, a plurality of work supporting bars, means for supporting and moving said bars through said slot, a plurality of overlapping articulated shoe plates mounted on said bars and movable therewith, supporting tracks for said shoe plates on each side of said slot, said supporting tracks having openings adjacent the point of engagement between said tracks and said shoe plates, guide means for restricting lateral movement of said shoe plates and ware supporting bar to less than the width of said slot, said guide means also being adapted to so restrict lateral movement of said shoe plates as to prevent said openings from establishing communication from said slot to the outside of said shoe plates.

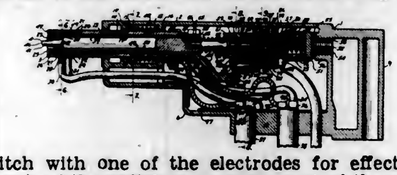
2,272,967
PERFORATION GAUGE FOR POSTAGE STAMPS
Matthew F. Desmond, Burney, Calif.
Application December 16, 1940, Serial No. 370,315
4 Claims. (Cl. 33—174)



1. A perforation gauge for postage stamps or the like comprising a plate having a plane surface and having grooves formed in said surface, said grooves being sized and spaced to receive the interperforation projections of a stamp, the bottoms of said grooves being inclined upwardly toward one end and having walls substantially perpendicular to the plane surface of the plate at the other end.

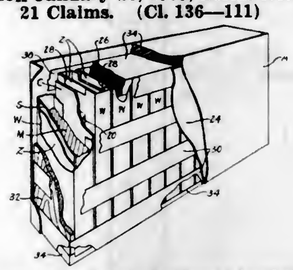
2,272,968
APPARATUS FOR WELDING METAL
Rex H. Dyer, Kansas City, Mo., assignor to Percussion Welder Corporation, Kansas City, Mo., a corporation of Missouri
Application September 11, 1940, Serial No. 356,362
7 Claims. (Cl. 219—4)

1. A welding apparatus including, an electrode support, a pair of electrodes carried by the support and having movement relative to the support when pressure is applied to the electrodes through the support to bring said electrodes into engagement with the work to be welded and to effect movement of the support relative to the electrodes, a current supply connected with the electrodes, a switch controlling flow of current to the electrodes, means connecting the



switch with one of the electrodes for effecting closure of the switch upon movement of the support in bringing said electrodes into contact with the work, a percussion means carried by the support and engageable with one of the electrodes, and means for energizing the percussion means responsive to movement of the support in bringing said electrodes into contact with the work for striking the work subsequent to closure of the switch.

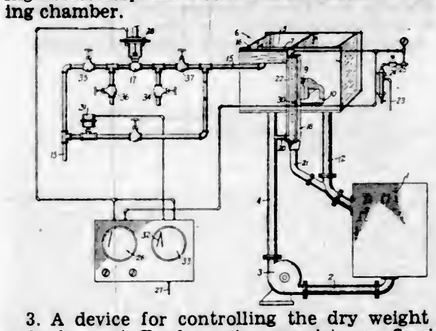
2,272,969
GALVANIC BATTERY
Harry F. French, North Olmsted, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application January 28, 1939, Serial No. 253,315
21 Claims. (Cl. 136—111)



1. A primary galvanic battery of substantially flat cell elements comprising groups of electrolyte-containing cell elements alternating with groups of impervious anode and cathode cell elements, such groups being juxtaposed face to face to form a battery; and, for isolating the electrolyte in each of said electrolyte-containing groups from that in adjacent electrolyte-containing groups, an integument of substantially electrolyte-proof dielectric sheet material inclosing the peripheral margin of each of said groups of electrolyte-containing cell elements, embracing such group of electrolyte-containing cell elements but not all of the impervious cell elements of any one cell, and extending well within the peripheral boundaries of the electrolyte-containing elements in each of said groups.

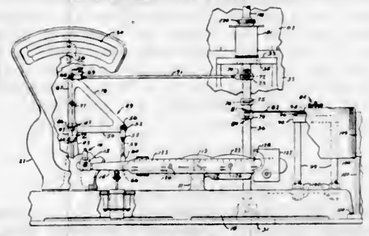
2,272,970
APPARATUS FOR CONTROLLING PAPER MANUFACTURE
Webster W. Frymoyer, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application September 4, 1937, Serial No. 162,406
4 Claims. (Cl. 137—78)

1. A device for measuring the dry weight of material in a suspension flowing from a delivery opening of a flow box, comprising, in combination, a flow box having a weir dividing said box into an overflow chamber and a delivery chamber, said delivery chamber having a delivery orifice and a sampling orifice located at right angles to the direction of flow in said delivery chamber, a measuring chamber receiving flow from said sampling orifice and having a discharge tube near its base capable of influencing flow through said tube to vary the head in said measuring chamber in accordance with the viscosity of the suspension flowing therethrough, and a measuring device responsive to the head in said measuring chamber.



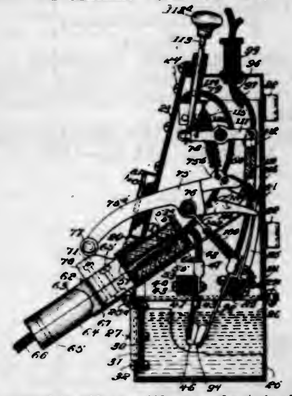
3. A device for controlling the dry weight of pulp in a stuff of varying consistency flowing from a flow box, comprising, in combination, a flow box having a weir dividing said box into an overflow chamber and a delivery chamber, means for supplying stuff to said flow box, means for adding diluting water to said stuff, a sampling orifice in said delivery chamber, a measuring chamber receiving flow from said sampling orifice and having a discharge tube near its base capable of influencing flow through said tube to vary the head in said measuring chamber in accordance with the viscosity of stuff flowing therethrough, means responsive to the head in said measuring chamber for regulating said diluting water means, and a delivery orifice located in said delivery chamber and at such a distance below said sampling orifice as to compensate for variations in the dry weight of pulp flowing through said delivery orifice due to the departure of the effective viscosity-consistency relationship of said stuff from strict proportionality.

2,272,971
TESTING DEVICE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application August 25, 1939, Serial No. 291,828
3 Claims. (Cl. 265—11)



1. In a device for testing plastic material, in combination, a support, torque counterbalancing mechanism mounted upon said support, torque indicating means actuated by said torque counterbalancing mechanism, a lever rockably mounted upon said support, a vertically positioned shaft mounted on said support, means acting upon the upper end of said vertically positioned shaft for imparting torque to said vertically positioned shaft in amounts depending upon a physical characteristic of such plastic material being tested, a bell crank lever pivotally mounted upon said support, a link pivotally connecting said vertically positioned shaft and one arm of said bell crank lever; a link pivotally connecting the other arm of said bell crank lever and said rockably mounted lever; and a link connecting said rockably mounted lever and said torque counterbalancing means for transmitting such torque to said torque counterbalancing means for measuring and indicating the amount thereof.

2,272,972
SAFETY SWITCH
Martin Herman, Drumheller, Alberta, Canada
Application February 26, 1940, Serial No. 320,949
4 Claims. (Cl. 200—50)

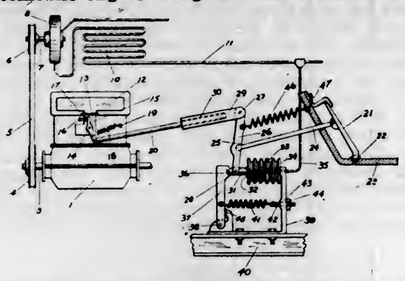


1. In combination with an electrical switch of the type comprising a casing within which is mounted a set of switch elements electrically connectable through a plug receptacle to a plug, and a freely rotatable shaft carrying rigid switch arms which is, upon occasion, arcuately swingable whereby the arms may contact with the switch elements although the arms are normally spring urged out of contacting position; of the improved means, functioning solely when the plug is in the receptacle, for holding the switch arms in a position making contact with the switch elements, which comprise: a finger, rigidly mounted on the shaft; a cam on the plug; a freely swingably mounted member having an end portion adapted to overlie the plug when in the receptacle and engage with the cam whereby insertion of the plug in the receptacle causes swinging of the member; means on the member for engaging with and holding the finger when the plug is in the receptacle; and control means whereby the finger can be disengaged permitting the spring urged switch arms to move from contact with the switch elements.

2,272,973
CONDENSER PRESSURE CONTROL
Anthony F. Hoesel, Chicago, Ill., assignor to Auto Coolers, Inc., Chicago, Ill., a corporation of Illinois
Application March 13, 1940, Serial No. 323,733
3 Claims. (Cl. 62—4)

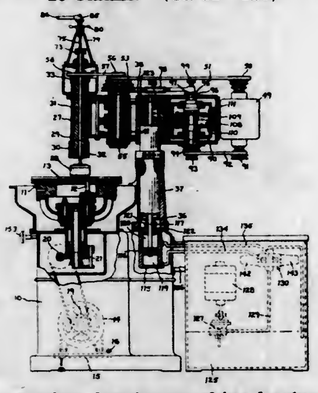
1. In an automobile air conditioning system,

the combination of a refrigerant vapor compressor driven by the automobile engine and compressing refrigerant vapor into a condenser, said automobile engine being fed with a motive fluid



of varying quantity at the will of the operator and means to automatically reduce the maximum potential feed of the motive fluid in response to the occurrence of an abnormally high pressure within said condenser.

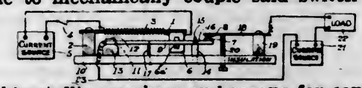
2,272,974
MICROLAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 2, 1939, Serial No. 287,985
10 Claims. (Cl. 51—120)



1. In a micro-lapping machine having a base, a rotatable work supporting platen, means to rotate said platen, a movable head, power operated means to cause a relative approaching and receding movement between said head and platen, and a pair of spaced lapping heads pivotally mounted on said vertically movable head each including a rotatable, planetarily movable and oscillatable lapping element which are arranged to engage a work piece on diametrically opposite sides of the platen axis, means to rotate and revolve each of said elements, and means simultaneously to oscillate said lapping heads in arcuate paths during the rotary movement of said lap elements and work platen.

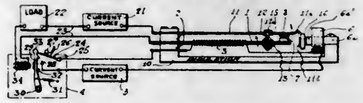
2,272,975
CONTROL SYSTEM
Charles T. Jacobs, New Providence Township, Union County, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 23, 1940, Serial No. 336,873
23 Claims. (Cl. 200—122)

7. A control system comprising, in combination, a bimetallic member; a switch; means operable to mechanically couple said switch with



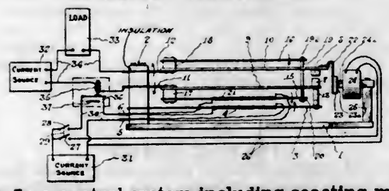
said bimetallic member; and means for concomitantly heating said bimetallic member and operating said coupling means.

2,272,976
CONTROL SYSTEM
Charles D. Geer, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 24, 1940, Serial No. 336,894
19 Claims. (Cl. 200—122)



12. In a control system including a control device which comprises two control members normally having a predetermined mutual relationship and which is adapted to be operated by relative movement of said members: the combination of an electrically energizable thermal device and an electrically energizable mechanical coupling device, and operating means in said control device responsive only to concomitant energizations of said thermal and coupling devices, respective portions of said operating means being associated with and influencing each of said members.

2,272,977
CONTROL SYSTEM
Charles W. Slocum, New York, N. Y., and Charles T. Jacobs, New Providence Township, Union County, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 15, 1940, Serial No. 340,660
18 Claims. (Cl. 200—122)

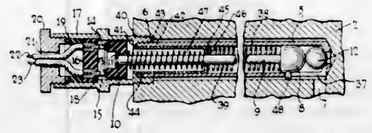


2. In a control system including coacting movable control members: the combination of means normally effecting movement of a second of said members substantially smaller than but approximately proportionate to that of the first member; means operable to retain said second member from said proportionate movement; and a thermal device whose temperature may be changed while said retaining means is being operated, for moving said first member in accordance with change of the temperature of said device.

2,272,978
THERMAL ALARM
Rudolph F. Knaack, Menands, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York
Application May 22, 1940, Serial No. 336,505
2 Claims. (Cl. 200—142)

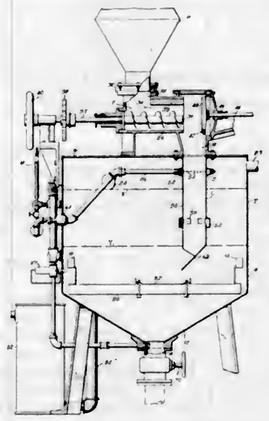
1. A circuit controlling element of an alarm

device for bearings, in combination: a fusible pellet, a plunger in contact with said pellet; a fixed abutment; a spring positioned between the fixed abutment and the plunger acting to force the plunger toward the pellet; a rod connected to the plunger; an electrical conducting ring; an insulating support for said ring formed with a rod orifice, said rod passing through said orifice and said rod formed with a head whereby said insulating support may be moved in one direction by said rod; an electric contact posi-



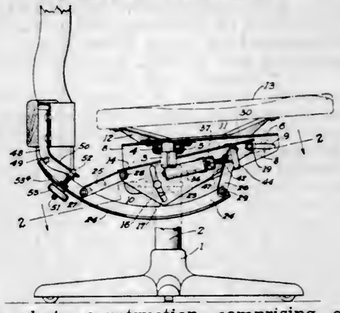
tioned to cooperate with the electrical conducting ring; a spring between said insulating support and said fixed abutment, said spring being weaker than the first mentioned spring; whereby when the pellet is intact electrical contact is made between the electrical conducting ring and the electrical contact and upon the melting of the fusible pellet the first mentioned spring moves the plunger and causes a break between the electrical conducting ring and the said electrical contact.

2,272,979
ACETYLENE GENERATION
James G. Marshall, Niagara Falls, N. Y., and Chester A. Siver, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc., a corporation of New York
Application April 8, 1938, Serial No. 200,834
20 Claims. (Cl. 48—54)



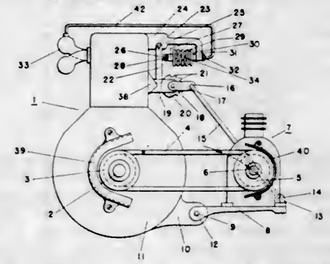
1. An acetylene generator adapted to utilize run-of-crusher carbide comprising a tank adapted to contain water; a carbide hopper; a carbide feed chute for delivering the large lumps of carbide from said hopper to a point below the level of the water within said tank, and for confining a portion of the water in said tank separately from the remainder thereof, said chute also constituting means for retaining the carbide fines within such confined portion of water; and a common chamber for collecting the acetylene generated by all of the carbide.

2,272,980
CHAIR CONSTRUCTION
Hiram N. McLellan, Shaker Heights, and Norman W. Taylor, Cleveland, Ohio; said Taylor assignor to said McLellan
Application February 11, 1939, Serial No. 255,824
3 Claims. (Cl. 155—77)



3. A chair construction comprising a seat structure including a base and a seat member mounted upon said base and a back rest, a back rest carrying and supporting means, means mounting said back rest carrying and supporting means upon said seat structure for adjustment in both a horizontal plane and a vertical plane, said back rest carrying means including a back rest supporting member, and link means connecting the same with said seat structure for movement about two axes fixed in relation to said seat structure and two pivots movable relative thereto, said back rest being hinged to said back rest supporting member, and means for adjusting the angular relation therebetween.

2,272,981
POWER TRANSMISSION MEANS
Christian B. Nelson, Chicago, Ill., assignor to Auto Coolers, Inc., Chicago, Ill.
Application April 5, 1940, Serial No. 328,025
3 Claims. (Cl. 62—117)



1. In a refrigeration system for cooling the body enclosure of a self-propelled vehicle, and comprising, in part, a refrigerant vapor compressor motivated by the power generating means for propelling said vehicle, the combination of a first pulley, driven by said power generating means, a second pulley associated with said compressor, flexible belt means transmitting power from the first pulley to said second pulley and thereby to the compressor, rocking means tending to separate said pulleys and maintain said belt in tension so that power energy may be exchanged between said pulleys during the operation of the power generating means, secondary means, manually operated, to bias the belt tensioning means into operative and non-operative position, the arrangement being such

that the biasing into non-operative position is at will, but the biasing into operative position is subject to both will and the stoppage of the power means.

2,272,982

PROCESS FOR INCREASING FERMENTATIVE EFFICIENCY IN ETHANOL PRODUCTION

William Ludwell Owen, Baton Rouge, La.

Application July 19, 1938, Serial No. 220,142

3 Claims. (Cl. 195—37)

1. A cyclic process of fermenting molasses mashes by yeast to produce ethanol, comprising drawing off the beer from the settled body of a first fermenting operation and terminating said withdrawing operation prior to any substantial passage of yeast sediment with the beer whereby the retained portion of the body comprises both yeast sediment and beer, effecting autolysis of the yeast in the presence of the retained beer, the temperature during autolysis being kept below substantially 60 degrees C., and adding the entire autolysate including the solid and liquid components and the retained beer to the molasses mash of a second fermenting operation substantially at the time of seeding with yeast, whereby to reduce the lag phase in the second fermenting operation and to supply nutrient to the yeast therein and to effect recovery of ethanol in the retained beer.

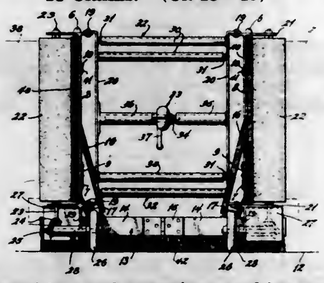
2,272,983

COMBINED SWEEPER AND BRUSHER

John L. Payne, Covington, Ga., assignor of forty-nine hundredths to Arthur A. Cannon, Covington, Ga.

Application July 10, 1941, Serial No. 401,815

13 Claims. (Cl. 15—49)



1. A brushing and sweeping machine comprising a pair of frame members, means for adjustably maintaining the frame members in spaced relation, a brush holding frame pivotally mounted on each frame member on a vertical axis, a cylindrical brush rotatably mounted on a vertical axis in each brush holding frame, a traction and supporting wheel for each brush holding frame, and means for rotating each brush from its respective traction wheel to clean vertical surfaces.

2,272,984

SEISMOGRAPH

Otto F. Ritzmann, Baldwin Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application July 21, 1939, Serial No. 285,799

3 Claims. (Cl. 177—352)

2. In a seismograph detector, a dual translating means comprising mechanical-vibration-responsive magnet means in vibration-receiving relationship to the earth, two movable coils spaced therefrom and each adapted in cooperation with said magnet means to produce electrical signals on movement of the coils with respect thereto, and resilient means mounting the two coils for movement at different natural vibratory frequencies, independently with respect to each other and with respect to the magnet means; and an electrical circuit receiving the outputs of the



coils in opposition; whereby at relatively low frequencies below the lower of said natural frequencies said coils tend to move in unison with the magnet means and produce a small resultant signal, at relatively high frequencies above the upper of said natural frequencies the coils tend to remain stationary in space and produce a small resultant signal, and at frequencies intermediate said natural frequencies the coils move in phase difference with respect to each other and produce a relatively large resultant signal.

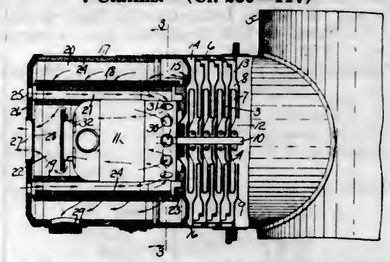
2,272,985

MOTOR MOUNTING FOR VACUUM CLEANERS

Lester C. Smith, West Hartford, Conn., assignor to The Spencer Turbine Company, Hartford, Conn., a corporation of Connecticut

Application October 14, 1939, Serial No. 299,493

7 Claims. (Cl. 230—117)



1. A vacuum cleaning apparatus comprising a fan case, fans within said case for forcing air therethrough, a motor case, a motor case chamber in which said motor case is contained, a motor supported within said motor case and having a shaft projecting into the fan case and supporting the fans therein, said motor case chamber having an unobstructed annular circulating chamber surrounding it and separated therefrom with inlet openings from the fan case into said surrounding chamber on one side and at the end thereof, and an exhaust passage from the opposite side and near the opposite end of said chamber to create a free and unobstructed circulating flow of air entirely around said motor case chamber and motor substantially the whole length of said motor case chamber.

2,272,986

GYROSCOPIC APPARATUS

Bruno Weinkauff, Berlin, Germany

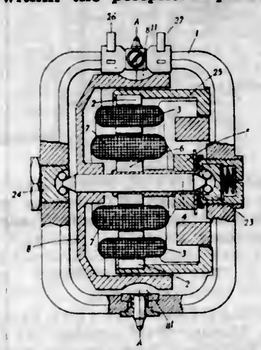
Application June 7, 1939, Serial No. 277,863

In Germany June 7, 1938

4 Claims. (Cl. 74—5)

1. In a gyroscopic apparatus, a casing, a frame rotatably mounted in said casing having a horizontal axis of rotation, a gyroscope spindle

rotatably mounted in said frame about an axis perpendicular to the axis of rotation of the frame, a bell-shaped rotor element for the gyroscope fixed coaxially to one side of said spindle, an electric motor armature fixed on the other side of said spindle and extending within the peripheral portion of the bell-shaped rotor element, an electric motor stator mounted on the side of the frame, adjacent the armature, and extending within the peripheral portion of the



bell-shaped rotor element to a position around and spaced from the motor armature, means for supplying electrical energy to the electric motor constituted by the said armature and stator, a series of spaced vanes disposed about the exterior peripheral surface of the bell-shaped rotor element of the gyroscope, a nozzle situated in said casing in a position to direct a stream of air on the vanes, and means for providing an air stream through said nozzle.

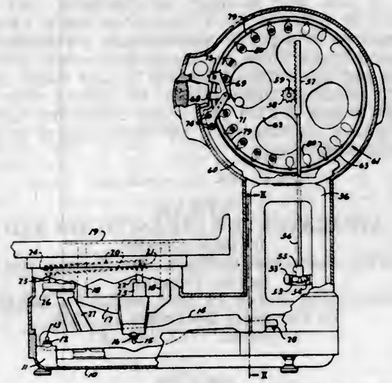
2,272,987

MEASURING INSTRUMENT

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application October 26, 1939, Serial No. 301,392

7 Claims. (Cl. 116—129)



6. In a device of the class described, in combination, indicating means comprising a rotatable chart, an index for cooperation with said rotatable chart, there being a deformable member secured to said chart and means connected to said index for engagement with said deformable member whereby the position of said index is determined by said deformable member on said chart.

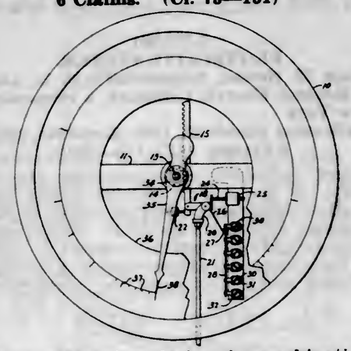
2,272,988

MEASURING INSTRUMENT

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application October 31, 1939, Serial No. 302,259

6 Claims. (Cl. 73—151)



1. In a measuring device, in combination, a housing, indicating means mounted within said housing, said indicating means comprising a rectilinearly movable member movable in response to a change in magnitude of a condition under measurement, a rack, a rack supporting member, means for pivotally supporting said rack upon said rack supporting member, said rack supporting member being pivoted upon said rectilinearly movable member and movable therewith, means for statically balancing said rack and said rack supporting member about its pivot on said rectilinearly movable member, an indicator, a pinion operatively connected to said indicator, means for holding said rack in constant engagement with said pinion, a deformable member positioned substantially parallel to the path of movement of said rack supporting member, means for deforming portions of said deformable member so that such portions assume a non-parallel position with respect to such rectilinear movement of said rack supporting member and means fixedly engaging said rack supporting member and movable along said deformable member whereby such deformed portions of said deformable member influence the movement of said rack.

2,272,989

FOOD PRODUCT AND METHOD

Jesse Clayton Forkner and John H. Forkner, Fresno, Calif.

No Drawing. Application November 29, 1940, Serial No. 367,764

17 Claims. (Cl. 99—125)

10. A fruit product comprising an intimate mixture of a fruit and a minor proportion of a stabilizer comprising fibrous nut meat having at least a portion of its oil removed.

2,272,990

FRUIT PRODUCT AND METHOD

Jesse Clayton Forkner and John H. Forkner, Fresno, Calif.

No Drawing. Application October 18, 1941, Serial No. 415,636

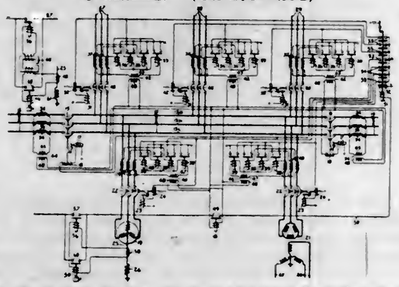
19 Claims. (Cl. 99—125)

1. Finely divided fruit product particles comprising, an intimate mixture of a dried fruit and a minor proportion of a stabilizer comprising fibrous nut meat having a major portion of its oil removed.

15. A fig bar comprising a fig filler baked in

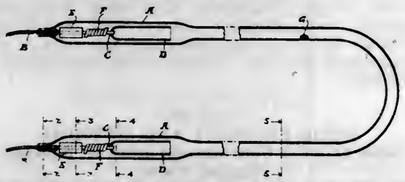
dough, said fig filler comprising an intimate mixture of ground fig, sugar and water, and a minor proportion of a stabilizer comprising ground coconut meat having a major portion of its oil removed, any excess moisture in the filler being absorbed by the stabilizer.

2,272,991
PROTECTIVE SYSTEM
William M. Hanna, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 22, 1940, Serial No. 325,413
9 Claims. (Cl. 175—294)



1. In a protective system for an electric circuit subject to the occurrence of fault conditions thereon, switching means for isolating a portion of said circuit on the occurrence of a fault condition thereon, and means dependent upon the magnitude of the actual ground current for distinguishing between double line-to-ground and single line-to-ground faults on said circuit for controlling the operation of said switching means.

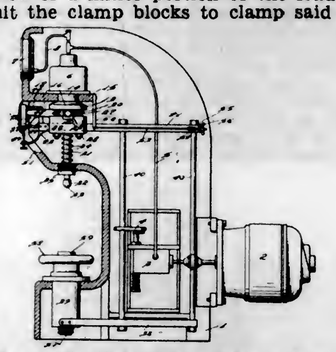
2,272,992
GENERATOR FOR ULTRA-VIOLET ENERGY
Halfdan Hebo, New York, N. Y.
Application September 17, 1938, Serial No. 230,359
15 Claims. (Cl. 176—122)



1. A generator for ultra-violet energy having a tube formed of quartz combined with a flux having the characteristics of phosphorus pentoxide and having a fluoride-reacted surface.

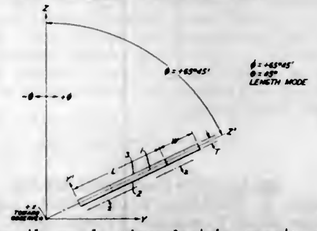
2,272,993
HARDNESS TESTING MACHINE
Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1939, Serial No. 294,580
7 Claims. (Cl. 265—12)

1. In a hardness testing machine, a specimen support, a penerator, a penetration indicator and its actuating member, a clamp block guide, a spring support connected with the penetrator, clamp blocks carried by said clamp block guide and said spring support to clamp or release said actuating member, springs acting to prevent the clamp blocks from clamping said arm during the application of a minor portion of the load and to permit the clamp blocks to clamp said arm



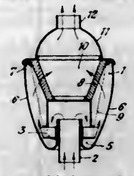
during the application of the major or final portion of the load, and means to apply a load to said clamp block guide.

2,272,994
PIEZOELECTRIC CRYSTAL ELEMENT
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 14, 1940, Serial No. 370,127
12 Claims. (Cl. 171—327)



1. A length mode piezoelectric quartz crystal vibratory body having its opposite substantially rectangular major faces substantially parallel to an X axis and inclined substantially +65 degrees 45 minutes with respect to the Z axis as measured in a plane substantially perpendicular to said major faces, the major axis length dimension and the width dimension of said major faces being inclined substantially 45 degrees with respect to said X axis, said width dimension having a ratio of substantially 0.67 with respect to said length dimension.

2,272,995
APPARATUS FOR CLEANING AIR AND OTHER GASES
Willy Neumann, Rollberg over Bernau, near Berlin, Germany
Application March 20, 1939, Serial No. 263,027
In Germany December 14, 1938
3 Claims. (Cl. 183—8)

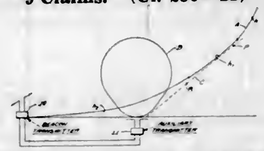


1. Apparatus for purifying air and other gases, comprising a housing, a liquid bath in said housing, upper and lower guide members in said housing arranged to impart a substantially horizontal direction of flow to the entire air to be purified, said guide members being substantially parallel to each other and the lower of said members being in the form of a closed bottom, and a plurality of vanes arranged between said guide members to impart a rotating direction of flow to the air passing between said guide members, said vanes being essentially greater in diameter than the distance of said guide members from each other and the walls of said housing being curved and enlarged at least in the region of and above said guide members and above said liquid bath, said vanes extending almost to said curved and enlarged walls.

2,272,996
PLASTICIZATION OF POLYMERIZED STYRENE
Arthur James Warner and Archibald Alan New, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
No Drawing. Application February 11, 1938, Serial No. 190,032. In Great Britain February 19, 1937
2 Claims. (Cl. 260—36)

1. A method of plasticizing polymerized styrene that consists in mixing therewith between 4% and 20% of phenanthrene.

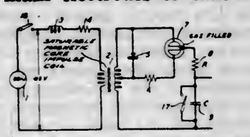
2,272,997
LANDING BEACON SYSTEM
Andrew Alford, New York, N. Y., assignor to International Telephone Development Co., Inc., New York, N. Y., a corporation of Delaware
Application October 11, 1939, Serial No. 298,904
9 Claims. (Cl. 250—11)



1. A radio beacon system for guiding aircraft to a landing comprising a first transmitter for producing a radiation signal pattern having a given curve of constant field intensity in a vertical plane extending over the landing surface, a second transmitter for transmitting a second radiation pattern intersecting said first named pattern, said second transmitter being located substantially in line with said first transmitter and spaced therefrom in the direction of approach of said aircraft to landing and means for supplying the same signal to both said transmitters, said first and second transmitters having different vertical distribution patterns and being so arranged that the effective sum of their related radiation patterns produce in space a signal pattern forming a substantially straight constant intensity line landing path.

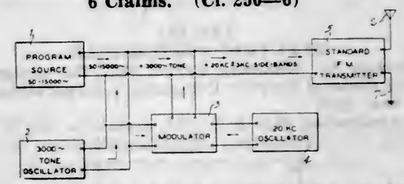
2,272,998
SLOW-OPERATE ELECTRICAL CIRCUIT
Björn G. Björnson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1940, Serial No. 362,476
7 Claims. (Cl. 250—27)

1. A slow-operate circuit comprising a source of alternating current, means responsive to the application of alternating current thereto from said source to produce during each half-cycle of said current a narrow peaked impulse, a gas discharge tube having striking electrodes and main electrodes, means responsive to each of certain of the produced impulses to apply a voltage to said striking electrodes to cause a discharge between said main electrodes of said tube, a ca-



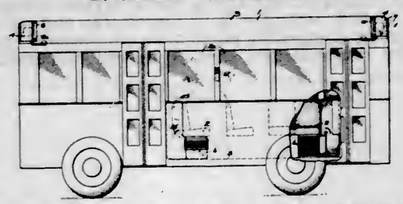
pacitor connected in circuit with said main electrodes and said means for producing impulses, of such characteristics that it will be charged to a given value by the discharge through said tube only after the application of a number of the half-cycle impulses, and marginal means responsive to a voltage produced across said condenser when it is charged to a given value.

2,272,999
SELECTIVE PROGRAM DISTRIBUTION SYSTEM
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application April 10, 1941, Serial No. 387,934
6 Claims. (Cl. 250—6)



1. A selective program distribution system comprising, means for generating a carrier wave modulated by a program signal, means for modulating said carrier wave with a disturbing audio signal, means for generating a second carrier wave lower in frequency than said first mentioned carrier, means for modulating said second carrier with said disturbing signal, means for modulating said first modulated carrier by said second modulated carrier, a receiving system including a detector system for each of said carriers and means including phase and amplitude adjustment means for combining the output of said detector systems in phase opposition whereby said disturbing signal is eliminated from said first carrier wave.

2,273,000
AIR CONDITIONING SYSTEM
Edmund E. Hans, Detroit, Mich.
Application June 14, 1940, Serial No. 340,583
12 Claims. (Cl. 237—2)

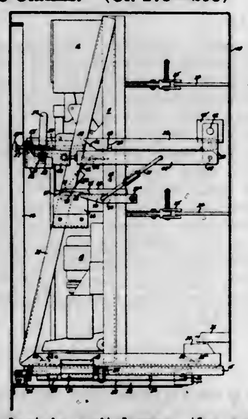


9. In an air conditioning system, for motor propelled vehicles, comprising a cold air unit

mounted in the vehicle including a duct open at one extremity to the outside air, movable shutters on the opposite extremity of the duct to close the latter from the vehicle, a motor driven fan in the duct between said extremities, a thermostat or bellows in the vehicle adapted to expand in one direction under heat, a switch to operate the fan motor, means operated by the bellows for closing the switch, a cylinder having a piston therein, means connecting said piston to said shutters, a suction line from the vehicle motor connected to the cylinder, a valve in the suction line operated by movement of the bellows whereby when the valve is open the position of the piston in its cylinder is such that the shutters are held closed, and a spring adapted to move said piston, connecting means and shutters and bring the latter to open position when the valve is closed.

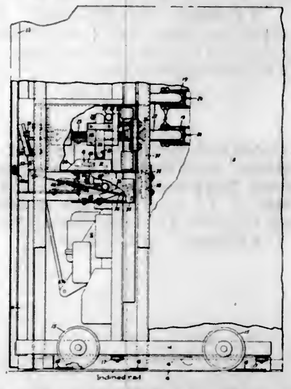
10. A method of air-conditioning the interior of a closed body including the steps of admitting fresh air into the upper portion of the body and discharging it substantially horizontally adjacent the roof thereof, withdrawing air from within the body intermediately of its height, heating this air to a relatively high temperature, and discharging it for recirculation adjacent and substantially parallel to the floor level whereby this latter air rises to substantially the said intermediate height where it is again withdrawn for reheating and recirculating.

2,273,001
ELECTRIC SWITCHGEAR
Bertram W. Mahoney, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,709
8 Claims. (Cl. 175—298)



1. In an electric switchgear, the combination comprising a stationary housing, a separate movable structure including a circuit breaker mounted thereon arranged to be moved into and out of a circuit-controlling position in said housing, primary disconnecting devices having cooperating members carried by said housing and said movable structure, means for effecting engagement and disengagement of said primary disconnecting devices comprising a hook member and a cooperating pin member engageable by said hook member, one of said members being associated with said stationary housing while the other of said members is associated with said movable structure, force-multiplying means mounted substantially at the line of force of said primary disconnecting devices relative to said movable structure comprising a toggle mechanism for operating said last-mentioned means, and means for automatically disengaging said hook member from said pin member at the end of the disengaging operation of said primary disconnecting devices.

2,273,002
ELECTRIC SWITCHGEAR
Bertram W. Mahoney, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,673
10 Claims. (Cl. 175—298)

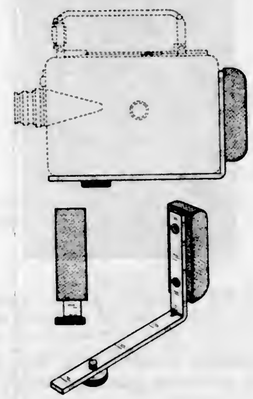


10. In an electric switchgear, the combination comprising a stationary housing, a separate movable structure including a circuit breaker mounted thereon arranged to be moved into and out of circuit-controlling position in said housing, primary disconnecting devices having cooperating members carried by said housing and said movable structure, means for effecting engagement and disengagement of said primary disconnecting devices comprising a traveling coupler member movably mounted on a jack screw for engaging a cooperating member, one of said members being associated with said stationary housing while the other of said members is associated with said movable structure, said traveling coupler member comprising a movable engaging bolt, and cam means supported by the same structure as said cooperating member to cause movement of said bolt and engagement of said cooperating member upon operation of said jack screw.

DESIGNS

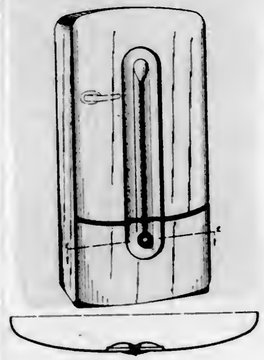
FEBRUARY 10, 1942

131,341
DESIGN FOR A SPACER BLOCK FOR A CAMERA
Ivar Benson and Harris W. Levy, Seattle, Wash.
Application February 25, 1941, Serial No. 99,488
Term of patent 7 years



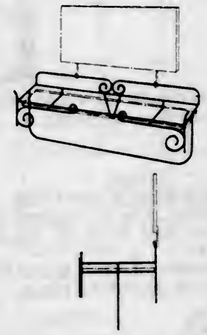
The ornamental design for a spacer block for a camera, substantially as shown and described.

131,342
DESIGN FOR A DOMESTIC REFRIGERATOR
Donald E. Dailey, Germantown, and Harold L. Van Doren, Bryn Mawr, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 8, 1941, Serial No. 104,090
Term of patent 14 years



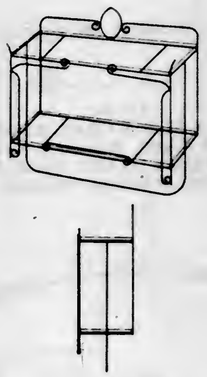
The ornamental design for a domestic refrigerator, substantially as shown.

131,343
DESIGN FOR A COMBINED SHELF AND MIRROR UNIT
Charles Daum, Forest Hills, Long Island, N. Y.
Application December 13, 1941, Serial No. 104,624
Term of patent 3½ years



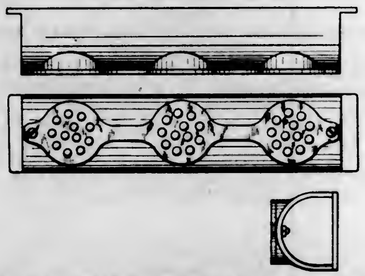
The ornamental design for a combined shelf and mirror unit, as shown and described.

131,344
DESIGN FOR A WALL SHELF
Charles Daum, Forest Hills, Long Island, N. Y.
Application December 13, 1941, Serial No. 104,625
Term of patent 3½ years



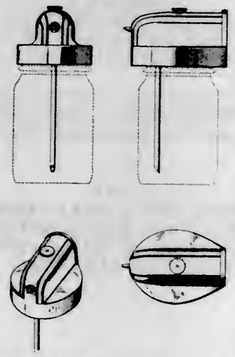
The ornamental design for a wall shelf, as shown and described.

131,345
DESIGN FOR A STOP AND TAIL LIGHT HOUSING FOR AUTOMOBILES
John R. Glocksine and Anton Zucker, Bay City, Mich.
Application May 3, 1941, Serial No. 100,758
Term of patent 7 years



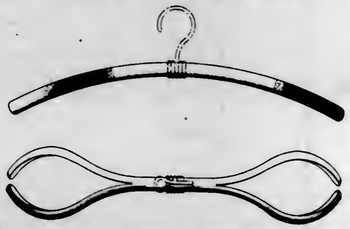
The ornamental design for a stop and tail light housing for automobiles, as shown.

131,346
DESIGN FOR A SPRAYER
Lurelle Guild, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application December 10, 1941, Serial No. 104,557
Term of patent 14 years



The ornamental design for a sprayer, as shown and described.

131,347
DESIGN FOR A COAT HANGER
Todd Harris, Brooklyn, N. Y.
Application August 18, 1941, Serial No. 102,921
Term of patent 3½ years



The ornamental design for a coat hanger, substantially as shown.

131,348
DESIGN FOR A LACE TABLE CLOTH
Walter C. Miller, Abington, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application December 6, 1941, Serial No. 104,504
Term of patent 3½ years



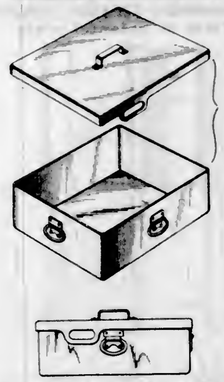
The ornamental design for a lace tablecloth, substantially as shown and described.

131,349
DESIGN FOR A RUG OR SIMILAR ARTICLE
Elmore Solins, New York, N. Y.
Application December 2, 1941, Serial No. 104,432
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

131,350
DESIGN FOR A ROASTING OR BAKING PAN
Styles T. Howard, Jeffersonville, Ind.
Application June 4, 1941, Serial No. 101,299
Term of patent 3½ years



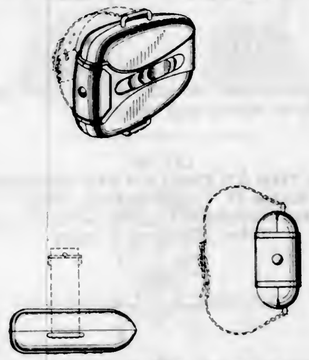
The ornamental design for a roasting or baking pan, substantially as shown.

131,351
DESIGN FOR A CAR EMBLEM OR THE LIKE
Fred Knapke, Middle Village, N. Y.
Application September 10, 1941, Serial No. 103,269
Term of patent 3½ years



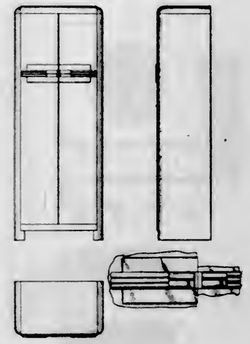
The ornamental design for a car emblem or the like, substantially as shown and described.

131,352
DESIGN FOR A WRIST-CARRIED FLASHLIGHT OR SIMILAR ARTICLE
Harry R. McPherson, Columbus, Ohio
Application July 16, 1941, Serial No. 102,190
Term of patent 3½ years



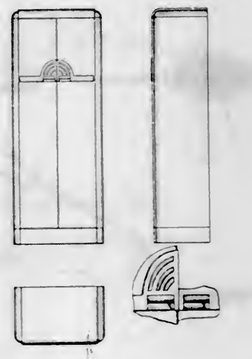
The ornamental design for a wrist-carried flashlight or similar article, as shown and described.

131,353
DESIGN FOR A CABINET
Viktor Schreckengost, Cleveland, Ohio, assignor of one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York, and one-half to The Murray Ohio Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application August 2, 1939. Serial No. 86,425
Term of patent 3½ years



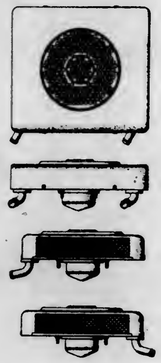
The ornamental design for a cabinet, substantially as shown.

131,354
DESIGN FOR A CABINET
Viktor Schreckengost, Cleveland, Ohio, assignor of one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York, and one-half to The Murray Ohio Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application August 2, 1939, Serial No. 86,426
Term of patent 3½ years



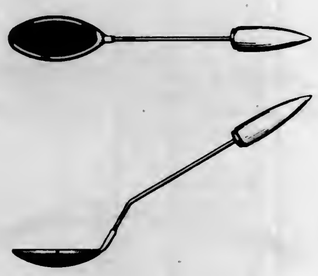
The ornamental design for a cabinet, substantially as shown.

131,355
DESIGN FOR A HEATER
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application April 2, 1941, Serial No. 100,106
Term of patent 3½ years



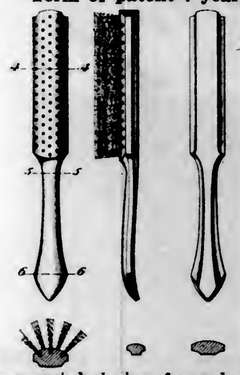
The ornamental design for a heater, as shown and described.

131,356
DESIGN FOR A SKIMMING SPOON
Joseph Woginrich, Walnutport, Pa.
Application October 10, 1941, Serial No. 103,718
Term of patent 7 years



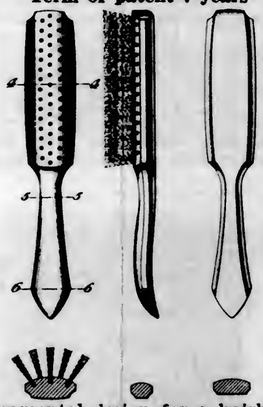
The ornamental design for a skimming spoon, as shown.

131,357
DESIGN FOR A HAIRBRUSH
Pierre J. Chéron, Stratford, Conn., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application November 19, 1941, Serial No. 104,195
Term of patent 7 years



The ornamental design for a hairbrush, substantially as shown and described.

131,358
DESIGN FOR A HAIRBRUSH
Pierre J. Chéron, Stratford, Conn., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application November 19, 1941, Serial No. 104,196
Term of patent 7 years



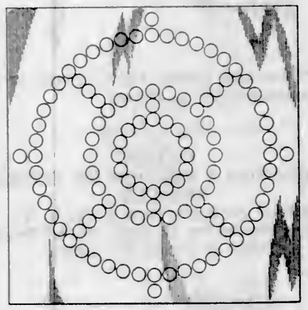
The ornamental design for a hairbrush, substantially as shown and described.

131,359
DESIGN FOR AN EMBLEM PIN OR THE LIKE
Ralph W. Crane, Detroit, Mich.
Application November 14, 1941, Serial No. 104,159
Term of patent 7 years



The ornamental design for an emblem pin or the like, as shown.

131,360
DESIGN FOR A GAME BOARD
Elizabeth F. Jones, Hubbard Woods, Ill.
Application May 19, 1941, Serial No. 101,011
Term of patent 3½ years



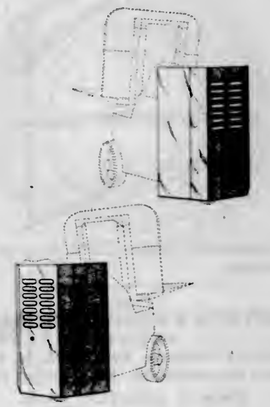
The ornamental design for a game board, substantially as shown.

131,361
DESIGN FOR A BOTTLE
Felix Levy-Hawes, Harrison, N. Y.
Application December 27, 1941, Serial No. 104,870
Term of patent 14 years



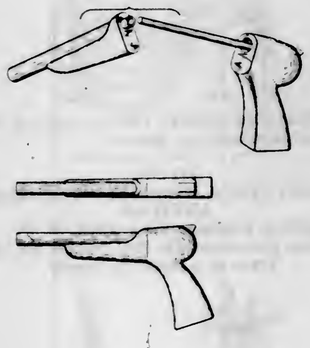
The ornamental design for a bottle, substantially as shown.

131,362
DESIGN FOR AN INDUSTRIAL TRUCK
William W. MacDonald, Mountain View, and John R. Pomfret, San Francisco, Calif., assignors to Max L. Rosenfeld, San Francisco, Calif.
Application April 25, 1940, Serial No. 91,942
Term of patent 14 years



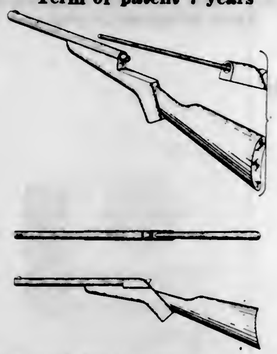
The ornamental design for an industrial truck, as shown and described.

131,363
DESIGN FOR A POPGUN
Joseph F. Mathews and Evelyn M. Mathews, Oakland, Calif.
Application April 15, 1941, Serial No. 100,391
Term of patent 7 years



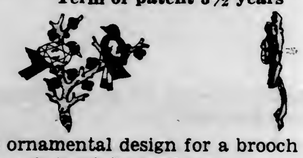
The ornamental design for a popgun, substantially as shown.

131,364
DESIGN FOR A POPGUN
Joseph F. Mathews and Evelyn M. Mathews, Oakland, Calif.
Application April 15, 1941, Serial No. 100,392
Term of patent 7 years



The ornamental design for a popgun, substantially as shown.

131,365
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. No. 104,908
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,366
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,909
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,367
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,911
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,368
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,914
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,369
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,916
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,370
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,917
Term of patent 3½ years



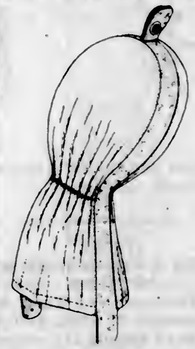
The ornamental design for a brooch or similar article, substantially as shown.

131,371
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,918
Term of patent 3½ years



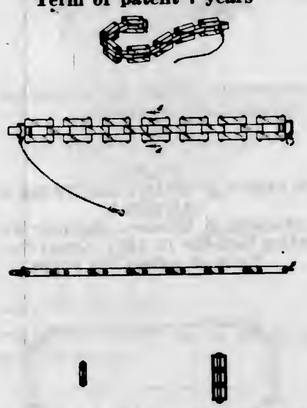
The ornamental design for a brooch or similar article, substantially as shown.

131,372
DESIGN FOR A GOLF CLUB HEAD COVER
Alfred S. Reed, Ripon, Wis., and Clement J. Thelander, Chicago, Ill., assignors to Ripon Knitting Works, Ripon, Wis., a corporation of Wisconsin
Application November 9, 1940, Serial No. 96,446
Term of patent 7 years



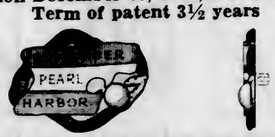
The ornamental design for a golf club head cover, substantially as shown and described.

131,373
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application March 31, 1941, Serial No. 100,031
Term of patent 7 years



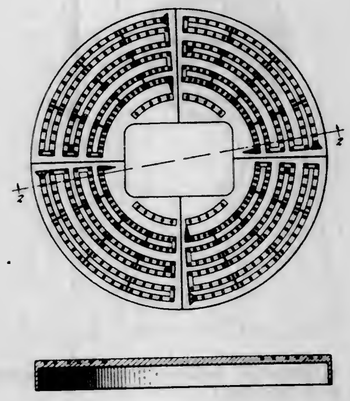
The ornamental design for a bracelet, substantially as shown.

131,374
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Edwin C. Humphrey, Larchmont, and Walter Pels, New Rochelle, N. Y.
Application December 26, 1941, Serial No. 104,858
Term of patent 3½ years



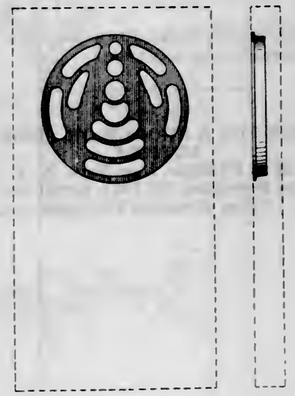
The ornamental design for a badge or similar article, substantially as shown.

131,375
DESIGN FOR A GAME BOARD
Agnes G. Jedlicka, Des Moines, Iowa
Application November 12, 1941, Serial No. 104,125
Term of patent 14 years



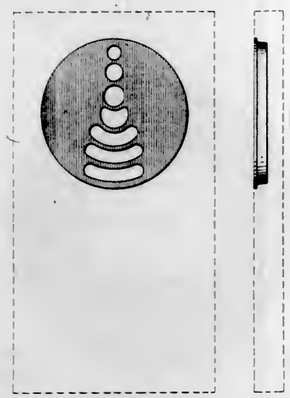
The ornamental design for a game board, as shown and described.

131,376
DESIGN FOR A GAME BOARD
Howard J. Peo, Rochester, N. Y.
Application April 7, 1941, Serial No. 100,180
Term of patent 7 years



The ornamental design for a game board, as shown and described.

131,377
DESIGN FOR A GAME BOARD
Howard J. Peo, Rochester, N. Y.
Application April 7, 1941, Serial No. 100,181
Term of patent 7 years



The ornamental design for a game board, as shown and described.

131,378
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,910
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,379
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,912
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,380
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,913
Term of patent 3½ years



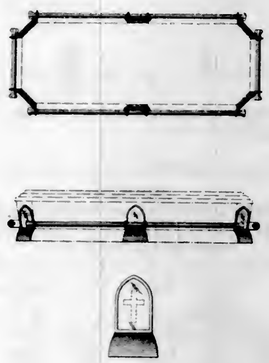
The ornamental design for a brooch or similar article, substantially as shown.

131,381
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application December 30, 1941, Serial No. 104,915
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,382
DESIGN FOR A BURIAL CASKET OR SIMILAR ARTICLE
Maxwell E. Ramsey, Clayton, Mo.
Application October 15, 1941, Serial No. 103,774
Term of patent 3½ years



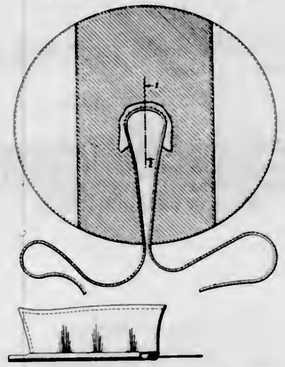
The ornamental design for a burial casket or similar article, as shown and described.

131,383
DESIGN FOR A GOLF CLUB HEAD COVER
Clement J. Thelander, Chicago, Ill., assignor to Ripon Knitting Works, Ripon, Wis., a corporation of Wisconsin
Application November 9, 1940, Serial No. 96,447
Term of patent 7 years



The ornamental design for a golf club head cover, substantially as shown and described.

131,384
DESIGN FOR A MAKE-UP CAPE
Arthur V. Wilker, Scarsdale, N. Y., assignor to National Carbon Company, Inc., a corporation of New York
Application March 26, 1941, Serial No. 99,900
Term of patent 14 years



The ornamental design for a make-up cape, substantially as shown.

131,385
DESIGN FOR A BATHING CAP
Barbara Field Crohn, New York, N. Y.
Application January 23, 1940, Serial No. 89,647
Term of patent 3½ years



The ornamental design for a bathing cap, as shown and described.

131,386
DESIGN FOR A COAT
Simon Etkin, New York, N. Y.
Application January 19, 1942, Serial No. 105,275
Term of patent 3½ years



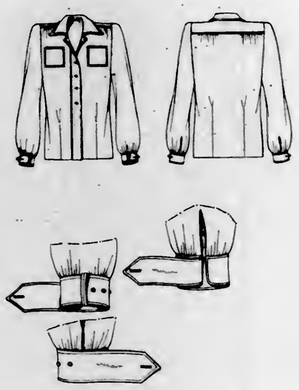
The ornamental design for a coat, substantially as shown.

131,387
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application August 16, 1941, Serial No. 102,868
Term of patent 3½ years



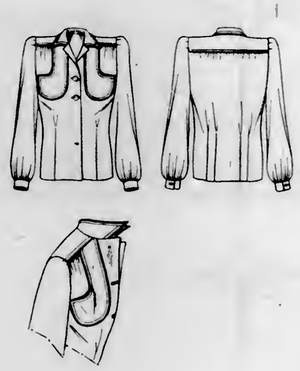
The ornamental design for a blouse, substantially as shown and described.

131,388
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application December 19, 1941, Serial No. 104,725
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown.

131,389
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application December 26, 1941, Serial No. 104,848
Term of patent 3½ years



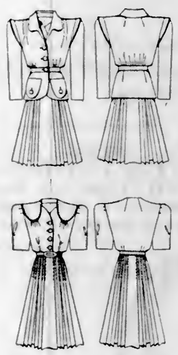
The ornamental design for a blouse, substantially as shown and described.

131,390
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application January 12, 1942, Serial No. 105,166
Term of patent 3½ years



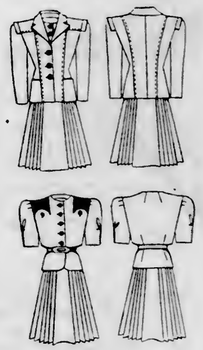
The ornamental design for a dress ensemble, substantially as shown.

131,391
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application January 12, 1942, Serial No. 105,168
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,392
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznets, New York, N. Y.
Application January 12, 1942, Serial No. 105,169
Term of patent 3½ years



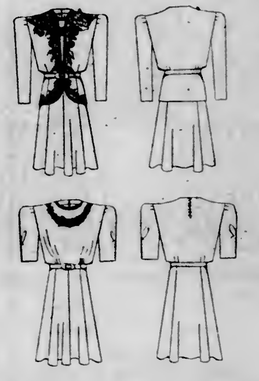
The ornamental design for a dress ensemble, substantially as shown.

131,393
DESIGN FOR A COAT
Samuel Riesenberg, New York, N. Y.
Application January 19, 1942, Serial No. 105,279
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

131,394
DESIGN FOR A DRESS ENSEMBLE
Arthur Rosen, Roxbury, Mass.
Application January 12, 1942, Serial No. 105,152
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,395
DESIGN FOR A LACE CURTAIN OR SIMILAR ARTICLE
Max Sadinoff, Bronx, N. Y.
Application January 16, 1942, Serial No. 105,216
Term of patent 3½ years



The ornamental design for a lace curtain or similar article, as shown and described.

131,396
DESIGN FOR A SUIT
Abraham Shotland, New York, N. Y.
Application January 7, 1942, Serial No. 105,051
Term of patent 3½ years



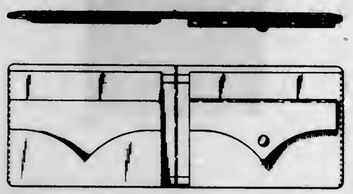
The ornamental design for a suit, substantially as shown.

131,397
DESIGN FOR A SUIT
Abraham Shotland, New York, N. Y.
Application January 7, 1942, Serial No. 105,052
Term of patent 3½ years



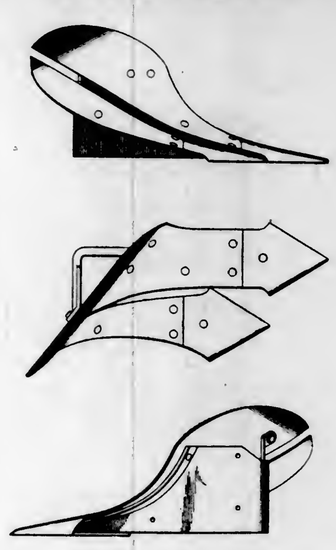
The ornamental design for a suit, substantially as shown.

131,398
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application June 16, 1941, Serial No. 101,476
Term of patent 14 years



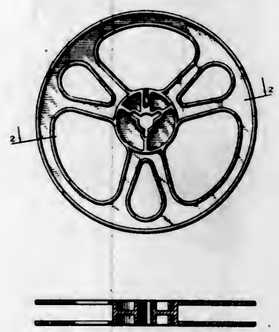
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

131,399
DESIGN FOR A PLOW
Lorin Forgy, Beloit, Kans.
Application June 16, 1941, Serial No. 101,482
Term of patent 14 years



The ornamental design for a plow, as shown.

131,400
DESIGN FOR A MOVING PICTURE REEL
Jacob M. Goldberg, Denver, Colo.
Application December 18, 1941, Serial No. 104,708
Term of patent 14 years



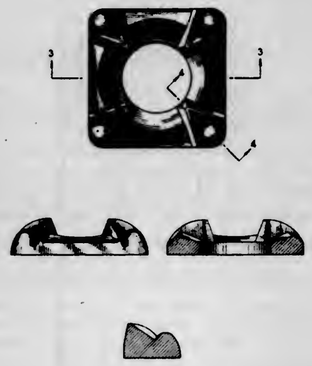
The ornamental design for a moving picture reel, as shown.

131,401
DESIGN FOR A PIN OR THE LIKE
Walter Lampl, New York, N. Y.
Application December 29, 1941, Serial No. 104,899
Term of patent 7 years



The ornamental design for a pin or the like, as shown.

131,402
DESIGN FOR A GEM SETTING OR SIMILAR ARTICLE
Israel Roskin, New York, N. Y.
Application December 11, 1941, Serial No. 104,568
Term of patent 14 years



The ornamental design for a gem setting or similar article, substantially as shown.

Patents Nos. 2,273,003 to 2,273,809

THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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February 17, 1942

Trade-marks	199	No. 393,427 to No. 393,595, inclusive.
T. M. Renewals	81	
Reissues	3	No. 22,027 to No. 22,029, inclusive.
Patents	807	No. 2,273,003 to No. 2,273,809, inclusive.
Designs	50	No. 131,403 to No. 131,452, inclusive.
Total	1,140	

Trade-Mark Registrations Canceled

176,230. Antifreezing liquid. Richard Heepe, Brooklyn, N. Y. Registered November 20, 1923. Canceled January 12, 1942.

195,686. Writing ink. John B. Sanders, doing business as Woodmansee Ink Mfg. Co., Cincinnati, Ohio. Registered March 3, 1925. Canceled December 19, 1941.

222,735. Nonalcoholic, maltless carbonated beverage. The Rex Company, Duluth, Minn. Registered January 4, 1927. Canceled January 12, 1942.

254,346. Men's and boys' suits and overcoats. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Registered March 19, 1929. Canceled November 28, 1941.

254,586. Certain named men's wear. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Registered March 26, 1929. Canceled November 28, 1941.

260,131. Writing ink. Independent Grocers' Alliance Distributing Company, Chicago, Ill. Registered August 20, 1929. Canceled November 28, 1941.

260,991. Writing paper, pen nibs, pens, and pencils. Independent Grocers' Alliance Distributing Company, Chicago, Ill. Registered September 3, 1929. Canceled November 28, 1941.

261,220. Boys' hats and caps. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Registered September 10, 1929. Canceled November 28, 1941.

302,609. Welding rods and hard faced castings. Advance Welding & Alloys, Ltd., Springfield Gardens, N. Y. Registered April 25, 1933. Canceled November 28, 1941.

325,172. Whiskey. Kasko Distillers Products Corp., Philadelphia, Pa. Registered June 11, 1935. Canceled January 12, 1942.

332,354. Shoes and slippers. Cammeyer Shoe Shops, Inc., New York, N. Y. Registered February 11, 1936. Canceled December 19, 1941.

346,196. Whiskey. Irving B. Horn, doing business as The Horn Company, Baltimore, Md. Registered May 18, 1937. Canceled November 28, 1941.

367,446. Candy bars. Euclid Candy Co. of California, Inc., San Francisco, Calif. Registered May 16, 1939. Canceled January 12, 1942.

379,054. Stencils. Norman E. Allen, New York, N. Y. Registered June 25, 1940. Canceled January 12, 1942.

380,299. Cosmetics. Ida Gordon-Stables, London, England. Registered August 20, 1940. Canceled January 12, 1942.

381,047. Insecticides. Derris, Inc., New York, N. Y. Registered September 10, 1940. Canceled January 12, 1942.

382,364. Ladies' and misses' clothing. Epstein Garment Corp., New York, N. Y. Registered October 22, 1940. Canceled January 12, 1942.

389,302. Girdles and corselets. Sturm & Scheinberg Inc., New York, N. Y. Registered July 29, 1941. Canceled January 12, 1942.

390,084. Certain named cutlery. Remington Arms Company, Inc., Bridgeport, Conn. Registered September 9, 1941. Canceled November 28, 1941.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 22, 1942.*

American Crude Oil Motors Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Acrotorque Company, 4815 Lexington Avenue, Cleveland, Ohio, to effect the cancellation of registration No. 198,071, issued May 5, 1925, to American Crude Oil Motors Corp., 153 Hudson Street, New York, N. Y., and a notice of such proceeding sent by registered mail to said American Crude Oil Motors Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Crude Oil Motors Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business January 24, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,493; Trade-Mark Division, 1,275. Oldest new case, Apr. 28, 1941; oldest amended, Apr. 24, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 6	June 13	738
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 9	Aug. 13	619
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 18	Oct. 17	530
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 10	Sept. 29	448
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 9	477
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 10	July 18	962
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	July 22	1,006
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	July 31	847
4524	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 2	554
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 31	June 5	782
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 2	Oct. 7	380
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 20	Aug. 4	544
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling	June 9	June 9	633
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 29	Oct. 1	546
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 21	June 20	1,143
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 17	Sept. 17	458
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	June 26	832
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Aug. 9	503
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 18	July 10	653
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 20	July 28	375
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 23	Sept. 5	338
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 23	Apr. 24	1,507
7624	23. BUTTNER, W. J., Registers (part)	Apr. 20	Apr. 25	240
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 25	Aug. 16	790
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 8	Sept. 2	575
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 12	Sept. 5	383
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	July 28	501
4626	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 24	343
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 17	July 15	662
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 20	Oct. 24	334
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 1	Aug. 5	1,471
4084	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 16	June 25	881
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 20	June 23	861
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 19	July 23	329
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	June 23	June 27	855
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 2	Aug. 12	595
4866 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 15	Sept. 10	563
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 5	June 12	684
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Oct. 9	443
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 1	July 1	1,581
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 7	Aug. 2	550
5882	42. CUTTING, H. O., Electric Signaling	Aug. 29	Aug. 22	357
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 8	Aug. 11	643
4067 B	44. HARVEY, L. P., Refrigeration	Aug. 20	Aug. 15	381
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 7	Nov. 10	256
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 24	July 24	772
6082	47. KANOF, W. J., Clutches; Brakes	Aug. 14	Aug. 15	410
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 25	July 25	699
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 22	July 14	657
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 24	July 24	1,333
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 7	Nov. 6	309
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 4	Sept. 11	456
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 16	Apr. 28	578
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 16	Sept. 29	306
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 16	Sept. 8	285
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 12	June 5	1,371
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 16	Oct. 6	257
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 30	Oct. 11	382
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 11	June 18	1,086
5906	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 13	Aug. 28	314
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 6	July 19	682
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 20	Aug. 9	645
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 2	July 3	1,196
4708	64. NASH, P. M., Acetylene: Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 26	July 24	1,501
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 2	Sept. 19	367
2099 B	Trade-Marks: F. A. RICHMOND	Dec. 5	Dec. 15	1,275
2606	Designs: H. H. KALUPY	Nov. 29	Dec. 12	735

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

THE HYDRAULIC PRESS CORPORATION, INC., ERNST
v.
COE, COMMISSIONER OF PATENTS

No. 7,794. Decided December 29, 1941

[— F.(2d) —]

PATENTABILITY—SURGE VALVE FOR HYDRAULIC PRESS.

Certain claims of a reissue application relating to surge valves for hydraulic presses *Held* properly denied to appellants for lack of invention over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. H. A. Toulmin, Jr. (*Messrs. H. A. Toulmin* and *John M. Mason* of counsel) for The Hydraulic Press Corporation, Inc., Ernst.

Mr. W. W. Cochran (*Mr. Edwin L. Reynolds* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and VINSON and EDGERTON, Associate Justices

EDGERTON, *A. J.:*

This is a suit under R. S. §§ 4915, 4916, 35 U. S. C. §§ 63, 64 to obtain the reissue of a patent. It has been assumed, and we assume without deciding, that the only question is that of invention. The application relates to surge valves for hydraulic presses. The claims include, among others, all those of the patent to be reissued, which is Ernst, No. 1,892,568. These old claims have been re-allowed. The controversy relates to new claims 7 to 11 and 21 to 25, all of which have been rejected by the Patent Office and the district court for lack of invention.

The re-allowed claims disclose a surge tank "mounted above," or "mounted on top of," or "supported on top of," or "supported directly above," the ram cylinder. The rejected claims describe the cylinder as "immediately adjacent" the surge tank, or describe the tank and cylinder as "adjacent and directly connected," or the like. Some of the rejected claims refer to a "minimum length of path," or a "substantially direct straight path," or a "port," between tank and cylinder. The prior art includes appellants' own Ernst Patent No. 1,672,561, for a high-speed hydraulic press. If the rejected claims differ materially from those of that patent, it is in the features just stated. We cannot say that the shortening, straightening, or replacement by a port, of the connection between tank and cylinder, in order to reduce resistance and increase speed, is inventive. On the contrary as the Commissioner of Patents states in his brief,

"it is elementary that resistance to fluid flow increases with the length of the conduit and with the number of changes of direction. There can be nothing unexpected, therefore, in the idea that the minimum resistance in flow between two containers will be achieved if they are placed directly in contact and the flow takes place as nearly as possible in a straight line."

Affirmed.

U. S. Court of Appeals for the District of Columbia

PETERSON *v.* COE, COMMISSIONER OF PATENTS

No. 7,811. Decided December 29, 1941

PATENTABILITY—MATTRESS.

Claims to a mattress *Held* properly denied to appellant for lack of invention over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Warren C. Horton (*Mr. James H. Littlehales* of counsel) for Peterson.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and VINSON and EDGERTON, Associate Justices

PER CURIAM:

This is a suit under R. S. § 4915, 35 U. S. C. § 63, to obtain a patent on a mattress. Appellant's application discloses, in the opposite sides of an inner-spring mattress ventilated by grommets, padding of different heat-conducting characteristics. The more efficient conductor is to be placed next the sleeper in summer, and the less efficient in winter. The prior Nelson mattress, Patent No. 341,387, also used two different materials, and Nelson recited that "the cotton may be used for sleeping on in cold weather, and the hair side in hot weather." Farrow patent No. 1,205,135 shows an inner-spring mattress ventilated by grommets. Whether or not the unventilated Nelson construction was an effective summer-and-winter mattress, we cannot say that appellant's device shows invention over these references. It is therefore unnecessary to consider others, including Odets, No. 1,973,651.

Affirmed.

U. S. Court of Customs and Patent Appeals

OLD JOE DISTILLING COMPANY
v.
ESBECO DISTILLING CORPORATION

No. 4,506. Decided December 1, 1941

[123 F.(2d) 658]

1. TRADE-MARKS—TITLE.

Mere sale of certificates of ownership of whiskey stored in a bonded warehouse *Held* not to carry trade-mark rights to the purchasers.

2. SAME—SAME—ASSIGNMENT.

Acceptance of a proposal by one H to transfer to the O. J. D. Co. "the goodwill now owned by him and formerly connected with the distillery business operated by him * * *, together with a list of customers of said business, formulae, trade-marks and brands owned in connection therewith, including the trade-mark and brand of 'Old Joe' used on whiskey sold by said business" *Held* not a valid transfer of the specified mark.

APPEAL from Patent Office. Affirmed.

BLAND, *J.*, dissenting.

Mr. John F. Brezina and *Mr. Robert I. Dennison* (*Mr. Bryant Buckingham* of counsel) for Old Joe Distilling Company.

Mr. A. W. Murray for Esbeco Distilling Corporation.

GARRETT, *P. J.*

This is an appeal from the decision of the Commissioner of Patents affirming that of the Examiner of Interferences sustaining the opposition of Esbeco Distilling Corporation (hereinafter generally referred to as opposer) to the application by Old Joe Distilling Company (hereinafter generally referred to as applicant) for registration of the notation "Old Joe" as a trade-mark for whiskey.

Applicant is a corporation organized under the laws of the State of Kentucky, having its principal office at Lawrenceburg in Anderson County of that State. The articles of incorporation bear date of July 28, 1933. A prior corporation having the same name—Old Joe Distilling Company, Inc.—which operated in the same county but at a different location from that now occupied by applicant, was organized in 1912 and dissolved in 1924. As will appear from facts hereinafter recited, applicant bases its claim of priority, in part, upon the use of the mark by such prior corporation.

Opposer is a corporation organized under the laws of the State of Delaware, having its principal office at Stamford, Connecticut. It seems to have been organized early in 1933 under the name Esbeco Beverage Company which name was later changed, by amendment to the charter, to Esbeco Distilling Corporation, the amendment being made after it became legal to manufacture whiskey.

Both companies are engaged in distilling, manufacturing, rectifying and selling whiskey. So, the goods of both are the same in character, and the ultimate question to be determined is that of priority.

Opposer has no registration in the United States Patent Office, nor any application for registration, but relies upon claimed prior use to establish ownership.

It does not seem to be questioned that opposer made use of the mark as early as February 27, 1934, while the earliest use of it awarded applicant by the tribunals of the Patent Office was in August 1934 when a sale was made. It is not conceded by counsel for applicant that this was its first sale, but it appears that it did not begin the manufacture of whiskey until May 10, 1934. So, if applicant must be confined to its use of the mark upon whiskey, manufactured by itself, opposer was clearly the prior user. Applicant, however, has endeavored to trace title to the mark through use by alleged predecessors as more particularly recited hereinafter.

In its application for registration applicant stated:

> The trade-mark has been continuously used and applied to goods in the business of applicant and its predecessor since 1818.

There is no substantial evidence of use of the brand or name, "Old Joe," earlier than about 1886, but it seems to be fully established that whiskey manufactured at a distillery in Anderson County, Kentucky, owned at different times by different individuals, was sold under that brand or name during many years preceding 1912.

In 1912, as has been stated (following a fire which destroyed a part of the plant), a corporation was organized under the laws of Kentucky, having the name of Old Joe Distilling Company, which acquired the plant from its individual owners, and proceeded to manufacture whiskey, marketing it under the brand, "Old Joe." The manufacture continued until 1917 when, on account of national prohibition, distilling was discontinued.

It appears that sometime in 1920 the assets of the original Old Joe Distilling Company, including the stock of whiskey then on hand (some sales permissible by law having been made from the plant after manufacture ceased in 1917) were sold to one Gratz B. Hawkins, he having about that time become president of the original company (whose existence as a legal entity continued, according to the finding of the Commissioner of Patents until November 8, 1924, when it was dissolved) and who is president of the applicant company; that after the sale to Hawkins the whiskey was retained in the warehouse at the plant until May 1923, and some sales were made from the plant under the law and regulations then existing; that in May 1923 such of the stock of whiskey as remained in the company's warehouse, 527 barrels, was shipped to Louisville, Kentucky, and there stored, or concentrated, in a bonded warehouse of the Louisville Public Warehouses Company, in conformity with the requirements of the National Prohibition Act; that negotiable certificates of ownership, or warehouse receipts, were issued to the owners of the whiskey; that the whiskey was bottled from time to time under supervision of the warehouse authorities and withdrawn upon permits duly granted in conformity with law, and that labels showing the whiskey to be the product of the Old Joe Distilling Company were placed upon the bottles, as well as other labels bearing the notation "Old Joe Whiskey."

It is the contention of applicant, in substance, that title to the brand "Old Joe" was acquired by Gratz B. Hawkins along with the properties and good will transferred to him in 1920 by the corporation of which he then became president; that the brand or name was used by him in making sales from the company's plant and in such dealings as were transacted later through the public warehouse, and that the brand was conveyed to applicant after its organization in 1933, along with whatever assets or properties of the first corporation Hawkins conveyed at that time.

The Examiner of Trade-Mark Interferences took the view that Hawkins did not acquire title to the mark in question. In the course of his decision after analyzing and quoting certain of the testimony he said:

> After a consideration of applicant's proofs it is deemed to appear that Hawkins merely purchased some buildings and a part (or perhaps all) of the stock of whiskey then on hand from the corporation of which he was president. Such purchase was in connection with the dissolution of the corporation and quite obviously this mere dissolution could give him no title to the mark in question.
>
> Having acquired no title to the mark "Old Joe" from the former Old Joe Distilling Company, and since he personally made no such use of the mark as to create any rights thereto in himself, it follows that he could not make a valid assignment thereof.

In the opinion of the Commissioner it was unnecessary to pass upon the question of what rights Hawkins acquired in the mark.

After reciting certain facts and quoting certain matter (a part of which we quote hereinafter), he said, inter alia:

> Assuming, without deciding, that Mr. Hawkins, as he seems to contend, acquired title to the mark from the original Old Joe Distilling Company when he purchased its stock of whisky, and that his sale of the warehouse receipts, in exchange for which the whisky was released to purchasers, constituted use by him of the trade-mark, proof still was required of a valid transfer from Mr. Hawkins to applicant. It was said by the Court of Customs and Patent Appeals in *Kelly Liquor Co. v. National Brokerage Co.*, 26 C. C. P. A. 1110, 102 Fed.(2d) 857, 507 O. G. 11:
>
> "But a trade-mark can be transferred only in connection with the transfer of an existing business. A trade-mark is treated as merely a protection for good will, and is not the subject of property except in connection with an existing business."
>
> Mr. Hawkins did not pretend to transfer an existing business to applicant. What he did undertake to transfer was a thing figmental. It was not his business of trading in negotiable warehouse receipts. It was merely the purported good will of a "distillery business" that had never existed. Mr. Hawkins had never engaged in that business personally, and prior to 1920 he had not even been connected with his alleged assignor, which discontinued its distillery business in 1917. It follows that his quoted communication and his testimony in relation thereto amounted to nothing more than abandonment of any interest he might have possessed in the trade-mark, and conferred upon applicant no rights other than those resulting from such abandonment and its own subsequent adoption and use of the abandoned mark.

We have carefully examined all the competent evidence introduced on behalf of applicant, consisting of the testimony of witnesses and various documents introduced as exhibits.

We are of opinion that it was established by the testimony of Mr. Edmund H. Bacon, vice-president of the Louisville Public Warehouses Company, having executive and co-managerial duties, that the whiskey transferred from the original Old Joe Distilling Company's plant was stored in the public warehouse at Louisville in the name of the company, and that the company's name was used in the dealings relative to the whiskey conducted with and through the warehouse both before and after the final dissolution of the company in 1924. It is not clear whether the barrels containing the whiskey bore trade-mark labels at the time of their storage but apparently they were stenciled or marked in some manner indicating that the product was that of the Old Joe Distilling Company, and after the whiskey was bottled labels were placed on the bottles showing the whiskey to be the product of that company and when withdrawn from the warehouse the bottles bore such labels, as well as labels bearing the notation "Old Joe Whiskey."

Unhappily for applicant, however, the testimony given by Mr. Hawkins is lacking in definiteness and clearness upon some of the important phases which must be considered in determining the ultimate issue. It is not clear just what he acquired in 1920 after he became president of the first Old Joe Distilling Company, nor in what capacity he acquired whatever he then did acquire. Parts of his testimony would indicate that he became the outright purchaser of the entire capital stock of the original company, together with its physical assets (including at least a part of the whiskey), the goodwill and the brands, while other parts indicate that he took the properties over in what may be described as being in the nature of a trusteeship for the purpose of winding up the business.

Another matter not made clear by the testimony of Hawkins is that of the actual ownership of the whiskey which was transferred from the warehouse of the first Old Joe Distilling Company to the Louisville Public Warehouse in May 1923. He testified at one point that he had bought all the whiskey on hand in 1920, and "sold a great deal of it there at the old plant." With respect to such as was shipped to and stored in the public warehouse for which negotiable certificates of ownership, or warehouse receipts, were issued, however, he testified "I know I owned a good deal of it. The other was owned by different people."

There is nothing of record to show who the "different people" were that owned the "other," and any conclusion with respect thereto would be purely speculative.

It must be borne in mind, of course, in considering the issues here that the respective Old Joe Distilling Companies were legal entities, separate and apart from Mr. Hawkins, considered as an individual, although he was for a time president of the first and is now (or was at the time his testimony was taken) president of the applicant company.

It must also be borne in mind that what was actually sold, whether by the company or by Hawkins individually, consisted of negotiable certificates, or warehouse receipts, and not of the whiskey per se. Those receipts could be purchased by any one, and under proper permits the whiskey represented by them could be withdrawn from the public warehouse. As of course, the final dissolution of the original Old Joe Distilling Company in 1924 eliminated it as a legal entity, and of necessity all transactions with regard to the whiskey had thereafter, in a legal sense, must have been by individuals.

Without pursuing further the situation relative to the transactions through the warehouse, we are compelled to conclude that whatever may have been Mr. Hawkins' relation to the business and whatever rights in the brand he may have acquired and whatever the status of such rights before and after the dissolution of the original company, there is no satisfactory evidence of his having conveyed to the new corporation, applicant here, any properties which carried the brand or trade-mark with it.

[1] The mere sale of the certificates of ownership which was the actual business in which Mr. Hawkins was engaged during that period would not, as we view it, carry trade-mark rights to the purchasers, but, even if it did, we do not find any evidence that he ever conveyed any certificates or any of the whiskey made by the first Old Joe Company to the new company.

Applicant has relied upon what purports to be a copy of "excerpts from minutes of directors' meeting of Old Joe Distilling Company duly held on September 12, 1933," embracing a proposal made to the new company by Mr. Hawkins, one of which excerpts reads as follows:

> There has been presented to you by Mrs. Agnes F. Brown a proposal providing for the conveyance to you of

certain real property and the grant to you of a certain easement, in consideration of the issuance and delivery by you of 49,500 shares of your common stock, and the undersigned agrees that when and as said proposal shall be accepted by you, he will assign and transfer to you *the goodwill now owned by him and formerly connected with the distillery business operated by him in Anderson County, Kentucky* (which business was suspended on or about the year 1917 because of the amendment to the United States Constitution, prohibiting the sale of intoxicating liquors), *together with a list of customers of said business, formulae, trade-marks and brands owned in connection therewith, including the trade-mark and brand of "Old Joe" used on whisky sold by said business.* [Italics ours.]

Another of the excerpts states that "The foregoing proposal is hereby accepted this 12 day of September, 1933," and Mr. Hawkins testified orally that the transaction referred to was consummated about that time, by which it is supposed he meant that he, about that time, transferred to the new company what he had proposed to assign and transfer to it.

It may be said that introduction of the foregoing excerpts were objected to by counsel for opposer on the ground that they were not the originals, and the Commissioner expressed the view that the objection was sound. By reason of a stipulation of counsel for the use of copies, appearing of record, we have treated them as competent evidence, but they do not sustain applicant's position.

[2] By reference to the italicized matter in the proposal so made it will be seen that Mr. Hawkins did not propose to convey to the new company any whiskey manufactured by the original company which may have been in the public warehouse at that time, nor any character of goods upon which the trade-mark appeared. What he did propose to convey, so far as the trade-mark is concerned, seems to have been properly described by the Commissioner as a "thing figmental."

There is testimony by both Mr. Bacon and Mr. Hawkins indicating that some of the old stock of whiskey was in the public warehouse at the time the new company was organized, and that it was withdrawn after that time by different persons. One withdrawal in particular is emphasized by applicant. It appears to have been made February 6, 1934, which antedated the use of the mark of opposer and is relied upon by applicant to establish prior use. One difficulty about this transaction, so far as applicant is concerned, is that there is no showing in the record that the whiskey withdrawn in this shipment, or even any certificate or warehouse receipt representing it, was ever conveyed to applicant by Hawkins or anyone else.

We have given careful consideration to the briefs and arguments of applicant's counsel, but are of opinion that, upon the facts presented, the Commissioner reached the only conclusion permissible under the law governing trade-mark registrations, and his decision is, therefore, affirmed.

Affirmed.

BLAND, *J.*, dissents.

Adjudicated Patents

(C. C. A. Mo.) Dyer patent, No. 1,317,912, for steering-gear for automobiles, claim 1 *Held* valid and not infringed. *Montgomery Ward & Co.* v. *Clair*, 123 F.(2d) 878.

(C. C. A. Mo.) Campbell patent, No. 1,577,821, for stabilizing device, claim 2 *Held* valid and infringed. *Id.*

(C. C. A. Pa.) Shimadzu patent, No. 1,584,149, for method of manufacturing metal powder, claim 1 *Held* invalid, and claim 2 *Held* invalid, and if valid, *Held* infringed. *Electric Storage Battery Co.* v. *Shimadzu*, 123 F.(2d) 890.

(C. C. A. N. Y.) Buchanan patent, No. 1,599,639, for corset, claims 7, 8, and 9 *Held* invalid. *Buchanan* v. *W. B. Foundations, Inc.*, 123 F.(2d) 843.

(D. C. Ill.) Bechik patent, No. 2,154,556, for handle for mattresses and the like, *Held* not infringed. *Bechik* v. *Handy Button Mach. Co.*, 41 F. Supp. 1022.

(D. C. Ill.) Joyce patent, No. 2,170,561, for combined Bourdon tube and trap, claims 4, 6, 8, 11, and 12 *Held* valid and infringed. *James P. Marsh Corporation* v. *U. S. Gauge Co.*, 41 F. Supp. 1006.

(C. C. A. N. Y.) Rowley design patent, No. 109,647, for design for an egg beater or similar article, *Held* not infringed. *Rowley* v. *Tresenberg*, 123 F.(2d) 844.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,199,772, G. W. Allan and A. H. Simpson, Typographical composing machine, decided January 17, 1942, claims 1 and 2.

Pat. 2,171,216, G. M. Koch, Cathode ray electrical measuring device, decided November 29, 1941, claims 1 and 2.

Disclaimers

T. M. 239,096.—*The Triton Co.*, Seattle, Wash. CANNED SALMON, CANNED FRUITS, AND FRESH APPLES. Registered February 21, 1928. Disclaimer filed December 23, 1941, by the assignee, *Valley Evaporating Company.*

Hereby disclaims all right to the trade-mark "Triton", as applied to canned salmon or any other canned fish.

1,997,841.—*William E. Twamley*, Charlestown, N. H. GEAR SELECTING AND SHIFTING MECHANISM. Patent dated April 16, 1935. Disclaimer filed January 24, 1942, by the assignee, *Jones & Lamson Machine Company.*

Hereby enters this disclaimer to claim 1 in said specification.

2,189,219.—*Elmer Olson*, South Bend, Ind. CARBURETOR. Patent dated February 6, 1940. Disclaimer filed January 22, 1942, by the assignee, *Bendix Aviation Corporation.*

Hereby enters this disclaimer to claims 1 and 4 of said patent.

2,228,483.—*Bernhard Raecke*, Dusseldorf-Schlageterstadt, Germany. PROCESS FOR THE PREPARATION OF PRODUCTS DELIVERING CARBONIC ACID GAS. Patent dated January 14, 1941. Disclaimer filed January 24, 1942, by the assignee, *The Procter & Gamble Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 5 respectively, in said specification.

2,235,318.—*Erle P. Halliburton*, Los Angeles, Calif. APPARATUS FOR CEMENTING WELLS. Patent dated March 18, 1941. Disclaimer filed January 22, 1942, by the assignee, *Halliburton Oil Well Cementing Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 10, and 12.

2,240,323.—*Arthur G. Zimmerman*, Indianapolis, Ind. SOUND MOTION PICTURE APPARATUS. Patent dated April 29, 1941. Disclaimer filed January 17, 1942, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1 and 2.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 17, 1942

[VOL. 535. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 437,966. THE PEACOCK CORPORATION, Kenosha, Wis. Filed Nov. 16, 1940.

PEACOCK

FOR ONION SETS, ONIONS USED FOR SEED PURPOSES, GARDEN-SEEDS, BULBS, AND PLANTS.
Claims use since February, 1912.

Ser. No. 437,967. THE PEACOCK CORPORATION, Kenosha, Wis. Filed Nov. 16, 1940.



No claim is made to the words "Brand," "Onion Sets," and "Standard of Quality," apart from the mark.
FOR ONION SETS, ONIONS USED FOR SEED PURPOSES, GARDEN SEEDS, BULBS, AND PLANTS.
Claims use since February, 1912.

Ser. No. 448,152. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

GOLDEN GATE

FOR WOOL BATTING OR WOOL BATTS.
Claims use since Oct. 30, 1935.

Ser. No. 448,155. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

SHEPHERD

FOR WOOL BATTING OR WOOL BATTS.
Claims use since Nov. 4, 1940.

Ser. No. 448,442. STRONG & FISHER LIMITED, Rushden, England. Filed Nov. 6, 1941.

ZEBRETTA

FOR LEATHER.
Claims use since July 31, 1941.

Ser. No. 448,765. MIDWEST-RADIANT CORPORATION, St. Louis, Mo. Filed Nov. 19, 1941.

Carbonite
SMOKELESS FUEL

Applicant disclaims the phrase "Smokeless Fuel" except in the form of the mark shown.
FOR PROCESSED COAL FUEL.
Claims use since Oct. 14, 1941.

Ser. No. 449,242. STAPLES COAL COMPANY, doing business as City Fuel Company, Boston, Mass. Filed Dec. 6, 1941.

GOOD MORNING

FOR COAL.
Claims use since Oct. 30, 1941.

CLASS 2

RECEPTACLES

Ser. No. 446,368. MODERN SPECIALTIES, INC., Atlanta, Ga. Filed Aug. 19, 1941.



All wording except "Yarnest" and the representation of the goods are disclaimed apart from the mark.

FOR RECEPTACLES IN THE NATURE OF COMBINATION YARN HOLDERS AND DISPENSERS.

Claims use since June 1, 1941.

Ser. No. 447,193. DAVID E. SANFORD, doing business as Disposalator Mfg. Co., Los Angeles, Calif. Filed Sept. 19, 1941.

DISPOSALATOR

FOR RECEPTACLES—NAMELY, BAGS MADE FROM WATERPROOF PAPER AND HOLDERS OR RACKS THEREFOR.

Claims use since Aug. 25, 1941.

Ser. No. 448,081. INTERNATIONAL LATEX CORPORATION, New York, N. Y. Filed Oct. 24, 1941.

Fountain-of-Youth

FOR GROUPING OF EMPTY RECEPTACLES TO RECEIVE AND DISPLAY MERCHANDISE.

Claims use since Mar. 10, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 449,380. LINCOLN LEATHER GOODS CO. INC., New York, N. Y. Filed Dec. 11, 1941.

LIN-PATENT

The word "Patent" is disclaimed apart from the mark.

FOR HANDBAGS.

Claims use since Nov. 1, 1941.

Ser. No. 449,405. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Dec. 12, 1941.

HEAVENLY TWIN

FOR TRAVELING BAGS.

Claims use since Jan. 2, 1941.

Ser. No. 449,817. WOOL NOVELTY CO. INC., New York, N. Y. Filed Dec. 27, 1941.



Rembrandt

The portrait is that of the celebrated artist known as Rembrandt.

FOR KNITTING BAGS.

Claims use since Oct. 24, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 443,972. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed May 27, 1941.

CASCO

FOR ABRASIVE WHEELS.

Claims use since Dec. 4, 1939.

Ser. No. 447,883. RALPH BARKER LESTER, doing business as Barker Chemical Company, New York, N. Y. Filed Oct. 17, 1941.

MARBLITE

FOR CLEANING MATERIAL FOR USE IN CLEANING AND POLISHING MARBLE AND MARBLE PRODUCTS, COMPOSED OF A CHEMICAL COMPOUND.

Claims use since April, 1940.

Ser. No. 448,121. THE C. S. WELCH COMPANY, New York, N. Y. Filed Oct. 25, 1941.

Spring Morning

FOR DETERGENT LIQUID WHICH IS ADDED TO THE BATH TO PERFUME THE WATER AND CREATE BUBBLES THEREIN, A BATH MITT CONSISTING OF A SOAP-FILLED CLOTH PAD WITH A HAND STRAP, AND TOILET SOAP.

Claims use since May 8, 1941.

Ser. No. 448,471. CHARLES EDERER, New York, N. Y. Filed Nov. 8, 1941.

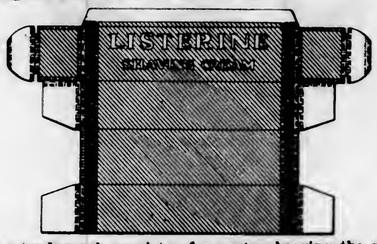
TYPE—X

The word "Type" is disclaimed apart from the mark.

FOR PREPARATION FOR CLEANING THE TYPE OF TYPEWRITERS AND GENERAL OFFICE MACHINES.

Claims use since May 21, 1941.

Ser. No. 448,975. LAMBERT PHARMACAL COMPANY, Wilmington, Del. Filed Nov. 27, 1941.



The trade-mark consists of a carton bearing the words "Listerine Shaving Cream" having four (4) oblong panels and two (2) end closures, each panel and each closure being printed in a bright green color, the panels carrying at each end three (3) narrow stripes and one (1) slightly wider stripe of pale bright green color, and the closures being outlined with a pale bright green border. In the drawing the cross-hatching is intended to indicate the described color combination of the carton which is particularly claimed, but no claim is made to the exclusive use of the representation of a carton per se or the words "Shaving Cream."

FOR SAPONACEOUS PASTE COMMONLY KNOWN AS SHAVING CREAM.

Claims use since January, 1938.

Ser. No. 449,059. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of the corporate applicant.

FOR SOAPS.

Claims use since July 10, 1937.

CLASS 5

ADHESIVES

Ser. No. 449,886. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 31, 1941. Under section 5b of the act of 1905 as amended in 1920.

BRADLEY'S

FOR LIQUID PASTE, MUCILAGE, POSTER PASTE, RUBBER CEMENT, AND BOOKBINDING TAPE.

Claims use since July 18, 1920.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 439,174. PHILADELPHIA MAGNESIA CO., Philadelphia, Pa. Filed Dec. 24, 1940.

HEALTHOL

FOR MINERAL OIL USED IN THE TREATMENT OF CONSTIPATION.

Claims use since 1928.

Ser. No. 439,748. CAMPANA CORPORATION, Batavia, Ill. Filed Jan. 17, 1941.

FIRST NIGHTER

FOR TOILET PREPARATIONS—NAMELY, LOTIONS FOR THE SKIN, SKIN CREAMS, AND ASTRINGENTS.

Claims use since Nov. 27, 1930.

Ser. No. 443,489. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

KONTAKT D.P.

The applicant is the owner of T. M. #109,793, Apr. 18, 1916 (renewed).

FOR FAT SPLITTING REAGENTS AND SAPONIFIERS.

Claims use since 1920.

Ser. No. 443,492. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

NEO KONTAKT

The applicant is the owner of T. M. #109,793, Apr. 18, 1916 (renewed).

FOR FAT SPLITTING REAGENTS AND SAPONIFIERS.

Claims use since 1930.

Ser. No. 443,589. PETER VOSS, doing business as Pindus Chemical Co., Washington, D. C. Filed May 14, 1941.

PINDUS

FOR LAXATIVES, SKIN AND RECTAL OINTMENTS, AND HEALING SALVES.

Claims use since Oct. 1, 1939.

Ser. No. 443,839. DE MARSAY, INC., New York, N. Y. Filed May 23, 1941.

de Marsay

FOR BEAUTY CREAMS, COLD CREAMS, REFRESH-

ING CREAMS, SKIN WHITENER IN LIQUID AND SOLID FORMS, CLEANSING CREAMS, VANISHING CREAMS, EYEBROW PENCILS, SKIN LOTIONS, HAND LOTIONS, POMADES, FACE POWDERS, BODY POWDERS, SACHETS, SHAMPOOS, BATH SALTS, BATH OILS, BATH POWDERS, BATH CRYSTALS, LIPSTICKS, NAIL POLISHES, NAIL POLISH REMOVERS, DEODORANTS, PERFUMES, TOILET WATERS, AND COLOGNE.
Claims use since January, 1935.

Ser. No. 443,925. DERNBURG FUR COMPANY, INC., Chicago, Ill. Filed May 26, 1941.

DERFUR

FOR COMPOUNDS USED IN THE TREATMENT OF FURS—NAMELY, DYE FIXATIVE, DYE MODIFIER, FUR RENEWER (BLEACH), FUR DYE STUFFS, FUR LEATHER DYE, FUR LEATHER SOFTENER (CHEMICAL), PELT STRETCHING COMPOUND, GLAZING COMPOUNDS, WATER REPELLENT MATERIALS, FUR LUSTRE COMPOUNDS, FUR TIPPING COMPOUND, FUR COLORING CRAYONS, FUR BLEACHING COMPOUND, INSECTICIDES AND SINGE REMOVERS (CHEMICAL).
Claims use since Apr. 16, 1941.

Ser. No. 444,488. DAVID MAS DE RODA Y BERNAL, Barcelona, Spain. Filed June 13, 1941.

DIAMANTE

FOR PERFUMERY.
Claims use since July, 1935.

Ser. No. 445,288. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y. Filed July 12, 1941.

M D D PERLES

The word "Perles" is disclaimed apart from the mark.
FOR PHARMACEUTICAL PREPARATION—NAMELY, VITAMIN CAPSULES.
Claims use since June 23, 1941.

Ser. No. 446,148. L. SONNEBORN SONS, INC., New York, N. Y. Filed Aug. 11, 1941.

PROTOWAX

FOR WAXY HYDROCARBON MATERIAL USED AS A PARAFFIN SUBSTITUTE, FOR WATER PROOFING AND SIZING PAPER AND TEXTILES, FOR COSMETICS AND PHARMACEUTICAL PREPARATIONS, AND AS A PLASTICIZER AND AMORPHOUS SUBSTITUTE IN WAX AND WAX-RESIN COMPOSITIONS.
Claims use since Feb. 15, 1941.

Ser. No. 446,636. SAL-T-RUB COMPANY, Minneapolis, Minn. Filed Aug. 28, 1941.

STB
Sal-T-Rub

The applicant disclaims the words "Salt-Rub" apart from the mark.
FOR RUBBING MIXTURE FOR MECHANICAL STIMULATION OF THE SKIN.
Claims use since July 25, 1941.

Ser. No. 447,669. RAYGRAM CORPORATION, New York, N. Y. Filed Oct. 10, 1941.

RAYGRAM

FOR PHOTOGRAPHIC CHEMICALS.
Claims use since 1932.

Ser. No. 447,671. RAYGRAM CORPORATION, New York, N. Y. Filed Oct. 10, 1941.



FOR PHOTOGRAPHIC DEVELOPERS AND FIXER HARDENERS.
Claims use since July, 1938.

Ser. No. 447,829. ARTHUR E. SMITH, Los Angeles, Calif. Filed Oct. 15, 1941.



The mark consists of a red disk surrounded by a white band shown on the end of one stopper of the ampule. No claim is made to the illustration of the ampule or stoppers per se, nor to the blue color shown.
FOR ANESTHETIZING AND NERVE BLOCKING PREPARATIONS.
Claims use since Aug. 1, 1941.

Ser. No. 448,068. ISRAEL W. WILENCHIK, doing business as Metallurgical Products Co., Philadelphia, Pa. Filed Oct. 23, 1941.

de-ox-tube

Applicant disclaims the word "Tube" apart from the mark.
FOR DEOXIDIZING, DEGASIFYING, AND DESULPHURIZING AGENTS USED IN THE METALLURGICAL ART TO PRODUCE GAS FREE AND OXIDE FREE ALLOYS.
Claims use since Sept. 15, 1941.

Ser. No. 448,193. FRIEDA L. JOHNSON, doing business as Johnson Products Company, New York, N. Y. Filed Oct. 28, 1941.



Applicant disclaims the term "Liquid". The drawing is lined for red and green. Applicant is the owner of Trade-Mark 377,532, registered May 7, 1940.
FOR ALL PURPOSE FABRIC MENDER, SUCH ALL-PURPOSE OF REPAIR BY ADHESION OF VARIOUS FABRICS AND THE MENDING INGREDIENT BEING A CHEMICAL PREPARATION.
Claims use since September, 1940.

Ser. No. 448,680. PAWLING REFINING CORP., Port Chester, N. Y. Filed Nov. 15, 1941.

ZiM

FOR DEGUMMING, DESLUDGING, MOTOR CLEANING PREPARATION.
Claims use since March, 1941.

Ser. No. 448,862. IRVING R. GLANTZ, doing business as Femfacs Products Co., New York, N. Y. Filed Nov. 24, 1941.



Applicant disclaims the outline of the label and all wording, letters, and numerals, with the exception of "Femfacs" and "Femfacs Products Co."
FOR DOUCHE POWDER.
Claims use since June 9, 1941.

Ser. No. 448,993. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Nov. 27, 1941.

CAPHOSTEROL-C

Applicant disclaims the letter "C" apart from the mark as shown.
FOR CALCIUM DIPHOSPHATE PREPARATION CONTAINING VITAMINS, INTENDED FOR USE IN NUTRITIONAL DISTURBANCES.
Claims use since Nov. 18, 1941.

Ser. No. 449,088. CLIFFORD F. WILCOX, doing business as The Chemade Company, Los Angeles, Calif. Filed Dec. 1, 1941.

CHEMADE
CHEMADE

FOR DIURETIC ANTACID ALKALINE COMPOUND.
Claims use since June 1, 1941.

Ser. No. 449,102. POND'S EXTRACT COMPANY, New York, N. Y. Filed Dec. 2, 1941.

POND'S

LIQUEFYING CREAM

Quick Cleansing

Applicant is the owner of Trade-Mark Reg. No. 215,081. No claim is made to the words "Liquefying Cream Quick Cleansing" apart from the mark.

FOR LIQUEFYING CREAM.

Claims use since Jan. 8, 1941.

Ser. No. 449,227. FOREST CITY PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 6, 1941.

SENTINEL

FOR VITAMIN TABLETS.

Claims use since Nov. 18, 1941.

Ser. No. 449,228. FOREST CITY PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 6, 1941.



FOR VITAMIN TABLETS.

Claims use since Nov. 18, 1941.

Ser. No. 449,233. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Dec. 6, 1941.

Vimms

Applicant is the owner of Reg. 361,927.

FOR VITAMIN TABLETS.

Claims use since 1935.

Ser. No. 449,241. STANCO INCORPORATED, Wilmington Del., and New York, N. Y. Filed Dec. 6, 1941.

Fractol

FOR WHITE OILS USED IN THE PREPARATION OF COSMETICS, PHARMACEUTICAL, AND MEDICINAL PRODUCTS, AND PETROLEUM ETHER.

Claims use on white oils used in the preparation of cosmetics, pharmaceutical and medicinal products since 1932; and on petroleum ether since Mar. 30, 1921.

Ser. No. 449,281. THE KNOX COMPANY, Los Angeles, Calif. Filed Dec. 8, 1941.

CHINAROID

FOR PREPARATIONS USED IN AND FOR THE TREATMENT AND TO RELIEVE THE IRRITATION AND PAIN OF BUNIONS, BURNS, CHAFED SKIN, CHAPPED SKIN, HEMORRHOIDS, INSECT BITES, PILES, SCRATCHES, TIRED FEET, AND OTHER FURUNCULAR AND INFLAMMATORY CONDITIONS.

Claims use since Apr. 1, 1930.

Ser. No. 449,293. THE PINEX CO., Fort Wayne, Ind. Filed Dec. 8, 1941.

Pinnex

FOR COUGH BALSAM.

Claims use since Sept. 30, 1941.

Ser. No. 449,349. THE GEORGE W. LUFT COMPANY, INC., Long Island City, N. Y. Filed Dec. 10, 1941.

BEAUTY ON DUTY

FOR LIPSTICK, PERFUME, ROUGE, AND FACE POWDER.

Claims use since Nov. 21, 1941.

Ser. No. 449,356. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Dec. 10, 1941.

CONCEAL

FOR FACE CREAMS.

Claims use since Nov. 22, 1941.

Ser. No. 449,358. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 10, 1941.

BECOMVITE

FOR PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL (INCLUDING USE IN TABLETS AND CAPSULES) OR PARENTERAL ADMINISTRATION, INCLUDING VITAMIN CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX.

Claims use since Dec. 1, 1941.

Ser. No. 449,359. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 10, 1941.

COMBEVITE

FOR PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL (INCLUDING USE IN TABLETS AND CAPSULES) OR PARENTERAL ADMINISTRATION, INCLUDING VITAMIN CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX.

Claims use since Dec. 1, 1941.

Ser. No. 449,360. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 10, 1941.

PROPADRINA

FOR PHARMACEUTICAL PREPARATIONS FOR USE AS PRESSOR AGENTS, VASOCONSTRICTORS, BRONCHODILATORS, AS SYMPTOMATIC TREATMENT OF ALLERGIC MANIFESTATIONS, IN TREATMENT OF STOKES-ADAMS SYNDROME, OF HYPERTROPHY OF THE PROSTATE, FOR CONTROLLING APPETITE OF PATIENTS ON OBESITY DIETS; AND PREPARATIONS CONTAINING SYNTHETIC ALKALOID OF LOW TOXICITY, AND PHARMACEUTICAL COMPOSITIONS CONTAINING PHENYLPROPANOLAMINE OR ITS SALTS AND CONTAINING PHENYLPROPANOLAMINE HYDROCHLORIDE, ALL PREPARED FOR USE IN MEDICINE AND PHARMACY, BY PARENTERAL, ORAL, OR INTERNAL ADMINISTRATION FOR ALL USES TO WHICH SAID PHENYLPROPANOLAMINE AND ITS SALTS AND COMPOSITIONS CONTAINING IT OR ITS SALTS MAY BE APPLIED.

Claims use since Oct. 23, 1941.

Ser. No. 449,379. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 11, 1941.

LITTLE SLAM

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.

Claims use since Nov. 19, 1941.

Ser. No. 449,384. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Dec. 11, 1941.

SNUFF

FOR PERFUMES AND TOILET WATERS.

Claims use since Nov. 1, 1940.

Ser. No. 449,411. DRUMLIN, INC., New York, N. Y. Filed Dec. 12, 1941.

DRUMLIN

FOR HERBAL COMPOUND FOR USE IN THE CARE OF THE SCALP AND HAIR.

Claims use since Dec. 6, 1941.

Ser. No. 449,456. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Dec. 13, 1941.

VITAMINETTES

FOR MEDICINAL PREPARATION CONTAINING VITAMINS INDICATED FOR USE IN THE PREVENTION OR TREATMENT OF VITAMIN DEFICIENCIES.

Claims use since Nov. 29, 1941.

Ser. No. 449,460. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Dec. 13, 1941.

COBEX

FOR CAPSULES OR LIQUID CONTAINING A PLURALITY OF VITAMINS A, B_1, B_2, C, D, B_6, PANTOTHENIC ACID AND NICOTINIC ACID.

Claims use since Dec. 9, 1941.

Ser. No. 449,461. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Dec. 13, 1941.

DYNA-CAPS

FOR CAPSULES OR LIQUID CONTAINING A PLURALITY OF VITAMINS A, B_1, B_2, C, D, B_6, G, PANTOTHENIC ACID AND NICOTINIC ACID.

Claims use since Dec. 9, 1941.

Ser. No. 449,462. MCKESSON & ROBBINS, INC., New York, N. Y. Filed Dec. 13, 1941.

Ultra-Caps

FOR CAPSULES OR LIQUID CONTAINING A PLURALITY OF VITAMINS A, B_1, B_2, D, C, B_6, PANTOTHENIC ACID AND NICOTINIC ACID.

Claims use since Dec. 9, 1941.

Ser. No. 449,542. COTY, INC., New York, N. Y. Filed Dec. 17, 1941.

BUCKLE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Dec. 10, 1941.

Ser. No. 449,543. COTY, INC., New York, N. Y. Filed Dec. 17, 1941.

CABOCHON

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Dec. 10, 1941.

Ser. No. 449,544. COTY, INC., New York, N. Y. Filed Dec. 17, 1941.

WISHBONE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Dec. 10, 1941.

Ser. No. 449,555. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Dec. 18, 1941.

PHILGLOS

FOR OIL DRESSING FOR HAIR.

Claims use since Mar. 19, 1941.

Ser. No. 449,642. DETAIL PRODUCTS COMPANY, St. Louis, Mo. Filed Dec. 20, 1941.

THIAMULSION

FOR EMULSION OF MINERAL OIL WITH THIAMIN CHLORIDE.
Claims use since Dec. 1, 1941.

Ser. No. 449,656. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Dec. 20, 1941.

AGORAL

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF CONSTIPATION.
Claims use since Dec. 3, 1941.

Ser. No. 449,664. THE R. H. BOOLE COMPANY, Alexandria, Va. Filed Dec. 22, 1941.

PARABO

FOR MOTH DESTROYER PREPARATION.
Claims use since Mar. 24, 1933.

Ser. No. 449,708. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Dec. 22, 1941.

MULTIZYME

FOR MIXTURE OF ENZYMES FOR ANALYTICAL AND INDUSTRIAL PURPOSE.
Claims use since Dec. 12, 1941.

Ser. No. 449,760. CALCIUM SULPHIDE CORPORATION, Damascus, Va. Filed Dec. 26, 1941.

CASH

FOR CALCIUM HYDROSULFIDE.
Claims use since Nov. 10, 1941.

Ser. No. 449,766. COTY, INC., New York, N. Y. Filed Dec. 26, 1941.

COME-SEVEN

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Dec. 10, 1941.

Ser. No. 450,025. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 6, 1942.

1942

FOR ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS.
Claims use since Dec. 12, 1941.

Ser. No. 450,026. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 6, 1942.

1952

FOR ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS.
Claims use since Dec. 12, 1941.

CLASS 7

CORDAGE

Ser. No. 448,381. FREYDBERG BROS., INC., Stamford, Conn., and New York, N. Y. Filed Nov. 4, 1941.

COTAWIRE

FOR WIRE COATED WITH CELLULOSIC MATERIAL AND USED FOR TYING PACKAGES AND FOR OTHER PURPOSES.
Claims use since Mar. 21, 1940.

Ser. No. 448,516. NATIONAL TINSEL MANUFACTURING COMPANY, Manitowoc, Wis. Filed Nov. 10, 1941.

Natti-tye

No claim is made for the word "tye" apart from the mark.
FOR FLAT RIBBON-LIKE TEXTILE TAPE USED AS CORDAGE AND FOR TYING PURPOSES.
Claims use since Sept. 16, 1941.

Ser. No. 449,861. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1941.

AVALON

Applicant is the owner of registrations No. 290,105, registered Dec. 22, 1931; No. 298,383, registered Oct. 25, 1932; No. 324,470, registered May 21, 1935; and No. 376,281, registered Mar. 19, 1940.
FOR CLOTHES LINE.
Claims use since Apr. 17, 1938.

Ser. No. 449,902. THE GUARANTEE SPECIALTY MANUFACTURING CO., Cleveland, Ohio. Filed Dec. 31, 1941.

Wrisco

FOR VENETIAN BLIND CORDS.
Claims use since Jan. 1, 1939.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 443,112. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Apr. 30, 1941.

CHASE

FOR SMOKING STANDS, ASH RECEIVERS, SMOKERS' SETS, CIGARETTE SERVERS, ASH TRAYS, CIGARETTE BOXES, AND HUMIDORS.
Claims use to smoking stands since Sept. 20, 1933; ash receivers since Oct. 12, 1934; smokers' sets since Oct. 18, 1935; cigarette servers since May 6, 1936; ash trays since Sept. 15, 1936; cigarette boxes since Sept. 15, 1936; and humidors since Oct. 13, 1936.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 441,498. ZENITH POWDER COMPANY, Oregon City, Oreg. Filed Mar. 12, 1941.

ZENITH

FOR HIGH EXPLOSIVES.
Claims use since Nov. 19, 1936.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 448,938. FISHER GOVERNOR COMPANY, Marshalltown, Iowa. Filed Nov. 26, 1941.

BIG JOE

FOR SPRING CONTROLLED VALVES—NAMELY, PRESSURE REGULATORS, PRESSURE REDUCING VALVES, AND PRESSURE RELIEF VALVES.
Claims use since Sept. 1, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 432,054. UNITED METALS REFINING COMPANY, Detroit, Mich. Filed May 17, 1940.

BETTER BEST METAL BEARING

The words "Better Best Metal" and "Bearing" are disclaimed apart from the work.
FOR NON-FERROUS METALS AND NON-FERROUS METAL ALLOYS.
Claims use since Feb. 20, 1940.

Ser. No. 439,417. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y. Filed Jan. 4, 1941.

ROCAN

FOR ROOFING COPPER AND COPPER IN SHEET FORM.
Claims use since Dec. 10, 1940.

Ser. No. 449,315. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Dec. 9, 1941.

SPEED STAR ☆

FOR TOOL STEEL.
Claims use since Nov. 28, 1941.

Ser. No. 449,418. JACKSON-WHEELER METALS SERVICE, INC., Brooklyn, N. Y. Filed Dec. 12, 1941.

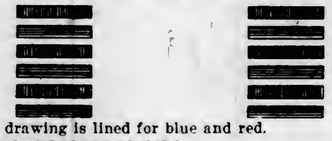
NAVYTEX

FOR BEARING METAL ALLOYS, BABBITT METALS, AND WHITE METAL ALLOYS, USED AS ANTI-FRICTIONAL MEDIA.
Claims use since Oct. 29, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 448,889. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



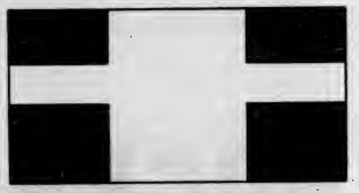
The drawing is lined for blue and red.
FOR LUBRICATING OILS.
Claims use since Nov. 25, 1937.

Ser. No. 448,891. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.

a

FOR LUBRICATING OILS AND LUBRICATING GREASES.
Claims use since Jan. 3, 1935.

Ser. No. 448,892. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



The drawing is lined for blue and red.
FOR LUBRICATING OILS.
Claims use since Jan. 3, 1935.

Ser. No. 448,893. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



The drawing is lined for blue and red.
FOR LUBRICATING OILS.
Claims use since Jan. 3, 1935.

Ser. No. 448,895. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



FOR LUBRICATING OILS.
Claims use since Nov. 25, 1937.

Ser. No. 448,897. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



The drawing is lined for blue and red.
FOR GASOLINE.
Claims use since Sept. 5, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 448,299. OLD COLONY PAINT & CHEMICAL CO., Los Angeles, Calif. Filed Oct. 31, 1941.

Magicoat

FOR QUICK DRYING ENAMEL.
Claims use since Mar. 31, 1933.

Ser. No. 448,707. RINSHED-MASON COMPANY, Detroit, Mich. Filed Nov. 17, 1941.

FLASH-GLAZE

The word "Glaze" is disclaimed apart from the mark.
Applicant is owner of T. M. Reg. No. 368,037.
FOR PYROXYLIN GLAZING PUTTY FOR USE PARTICULARLY ON AUTOMOBILES.
Claims use since Oct. 16, 1941.

Ser. No. 448,731. INERTOL COMPANY, INC., Newark, N. J. Filed Nov. 18, 1941.

GARANTOL

FOR NON-DRYING PAINT USED AS A WATERPROOFING AND PROTECTIVE COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Sept. 26, 1941.

Ser. No. 449,246. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Dec. 8, 1941.

COLFIX

FOR WATERPROOFING, PROTECTIVE, AND CAMOUFLAGE PAINT FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND SURFACES IN GENERAL.
Claims use since June 30, 1941.

Ser. No. 449,629. RHODE ISLAND LABORATORIES, INCORPORATED, West Warwick, R. I. Filed Dec. 19, 1941.

RILA

FOR LUMINESCENT PAINTS AND VARNISHES.
Claims use since Oct. 10, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 449,275. JOHN C. HERMAN & Co., New Cumberland, Pa. Filed Dec. 8, 1941.



FOR CHEWING AND SMOKING TOBACCO.
Claims use since Jan. 1, 1931.

Ser. No. 449,276. JOHN C. HERMAN & Co., New Cumberland, Pa. Filed Dec. 8, 1941.



FOR CHEWING AND SMOKING TOBACCO.
Claims use since January, 1920.

Ser. No. 449,277. JOHN C. HERMAN & Co., New Cumberland, Pa. Filed Dec. 8, 1941.

JAPO

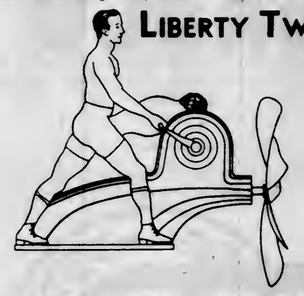
FOR CHEWING AND SMOKING TOBACCO.
Claims use since January, 1920.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 447,036. WILLIAM B. VANDEGRIFT, Seattle, Wash. Filed Sept. 13, 1941.

LIBERTY TWINS



Apart from the mark the representation of the goods is disclaimed.
FOR WIND PROPELLED ORNAMENTS USED ON AUTOMOBILES, TRUCKS, MOTOR CYCLES, MOTOR BOATS AND BICYCLES.
Claims use since Apr. 9, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 446,877. JENSEN RADIO MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 8, 1941.

Hypex

FOR LOUD SPEAKERS, EACH SAID LOUD SPEAKER INCLUDING AN ELECTRO-ACOUSTIC TRANSDUCER AND A HORN.
Claims use since July 23, 1941.

Ser. No. 446,878. JENSEN RADIO MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 8, 1941.

Speech-Master

FOR LOUD SPEAKERS, EACH SAID LOUD SPEAKER INCLUDING AN ELECTRO-ACOUSTIC TRANSDUCER DRIVER UNIT, AND PARTS THEREOF.
Claims use since Mar. 20, 1941.

Ser. No. 448,072. CASCO PRODUCTS CORPORATION, doing business as Perfection Motor Products Company, Bridgeport, Conn. Filed Oct. 24, 1941.

TELE-BEAM

The word "Beam" is disclaimed apart from the mark.
FOR DIRIGIBLE ELECTRIC LIGHT.
Claims use since July 30, 1941.

Ser. No. 448,668. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Nov. 15, 1941.

CASCO

FOR HAND HELD ELECTRIC MOTOR DEVICE FOR DRILLING, GRINDING, ABRADING, AND POLISHING TOOLS.
Claims use since Dec. 4, 1939.

Ser. No. 449,455. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Dec. 13, 1941.

BFG 1870

FOR STORAGE BATTERIES, SPARK PLUGS, AND ELECTRICIANS' TAPE.
Claims use since May 9, 1941.

Ser. No. 449,562. THE WESTERN UNION TELEGRAPH COMPANY, New York, N. Y. Filed Dec. 17, 1941.

Telefax

FOR TELEGRAPH FACSIMILE TRANSMITTING AND RECORDING APPARATUS.
Claims use since Dec. 8, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 445,660. THE LINEN THREAD CO., INC., New York, N. Y. Filed July 26, 1941.

GOLD MEDAL

FOR NETS USED IN THE GAMES OF TENNIS, BADMINTON, VOLLEY BALL, WATER POLO, SOCCER, SKEET, LA CROSSE, FIELD AND ICE HOCKEY, BASKETBALL, PADDLE TENNIS, DECK TENNIS, HAND TENNIS, RING TENNIS, AND FOR GYMNASIUM NETS, GOLF PRACTICE AND BASEBALL BATTING CAGES, BASEBALL PROTECTION AND BASEBALL AND TENNIS BACKSTOP NETS, AND NETS FOR DIVIDING OR PARTITIONING GYMNASIUM AND OTHER SPORTS AND GAME AREAS.
Claims use since Sept. 30, 1933.

Ser. No. 447,960. SPARTAN SPORTING GOODS COMPANY, Chicago, Ill. Filed Oct. 20, 1941.

SPARTAN

FOR SPORTING GOODS—NAMELY, FOOTBALLS, BASKETBALLS, VOLLEY BALLS, SOCCER BALLS, PLAY BALLS, MEDICINE BALLS, BASEBALL GLOVES, BASEBALL BATS, STRIKING BAGS, STRIKING BAG PLATFORMS, AND BOXING GLOVES.
Claims use since June 12, 1941.

Ser. No. 449,436. SAYCO DOLL CORPORATION, New York, N. Y. Filed Dec. 12, 1941.

BABY SMOOTHIE

FOR DOLLS.
Claims use since Nov. 21, 1941.

Ser. No. 449,898. DURABLE TOY & NOVELTY CORP., New York, N. Y. Filed Dec. 31, 1941.

UNCLE SAM'S

FOR COIN BANKS.
Claims use since 1907.

Ser. No. 450,009. E. CARROLL CHITTUM, doing business as E. C. Chittum Co., Baltimore, Md. Filed Jan. 6, 1942.

Trip-A-Long

FOR GAME COMPRISING A BOARD AND MOVABLE PLAYING PIECES.
Claims use since Oct. 6, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 443,157. THE DOALL CO., INC., Des Plaines, Ill. Filed May 1, 1941.

DOALL

FOR FILES, FILE SEGMENTS, FILE BANDS, SAWS AND SAW BANDS.
Claims use since Mar. 1, 1935.

Ser. No. 447,793. NORMAN E. BROOKE, Washington, D. C. Filed Oct. 15, 1941.

KNEE ACTION

FOR HAND RAKES.
Claims use since June 23, 1939.

Ser. No. 448,684. STERLING TOOL PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 15, 1941.



The picture is fanciful.
FOR SANDING OR POLISHING MACHINES.
Claims use since July, 1941.

Ser. No. 448,704. ALBERT T. O'NEIL, doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn. Filed Nov. 17, 1941.

DI-ACRO

FOR METAL BRAKES, WIRE BENDERS, AND METAL SHEARS.
Claims use since Nov. 10, 1941.

Ser. No. 449,393. PEACOCK LABORATORIES, INC., Philadelphia, Pa. Filed Dec. 11, 1941.



FOR MACHINE FOR SPRAYING LIQUIDS IN THE PREPARATION OF MIRRORS.
Claims use since Dec. 4, 1940.

Ser. No. 449,422. KEARNEY & TRECKER CORPORATION, West Allis, Wis. Filed Dec. 12, 1941.

K&T

FOR MACHINE TOOLS, MILLING MACHINES, PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, ARBORS, CUTTERS, COLLETS, CENTERING PLUGS, ADAPTERS, AND THE LIKE.
Claims use since 1916.

CLASS 25

LOCKS AND SAFES

Ser. No. 449,153. PHILCO CORPORATION, Philadelphia, Pa. Filed Dec. 3, 1941.

PHILCO

FOR AUTOMOBILE RADIO LOCKS, CABINET LOCKS, AND WINDOW LOCKS.
Claims use upon automobile radio locks since June, 1934; upon cabinet locks since July, 1941; and upon window locks since April, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 435,332. WORONOCK AND ANSEN, New York, N. Y. Filed Aug. 23, 1940.

HALLMARK

FOR CAMERAS AND BINOCULARS, GOGGLES, SUN GLASSES, FIELD GLASSES, OPTICAL LENSES, TELEPHOTO LENSES, PHOTOGRAPHIC AND PROJECTING LENSES AND LENS SYSTEMS, LANTERN SLIDE AND FILM SLIDE PROJECTORS, PHOTOGRAPHIC CAMERAS, CAMERA CASES, PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS AND FILMS AND SENSITIZED PHOTOGRAPHIC PAPER, MATERIALS FOR MAKING LANTERN SLIDES, STEREOPTICON PROJECTORS AND CARRYING CASES THEREFOR, MOUNTS AND HOLDERS FOR PHOTOGRAPHS, TRANSPARENCIES AND LANTERN SLIDES, LANTERN SLIDE FILING CASES, ADAPTERS FOR USE WITH PROJECTORS, MAGNIFYING GLASSES.
Claims use since 1916.

Ser. No. 443,579. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed May 14, 1941.

RCA PANORAMIC

FOR APPARATUS AND EQUIPMENT FOR REPRODUCING SOUND FROM A FILM SOUND RECORD AND PARTS THEREOF.
Claims use since Mar. 17, 1941.

Ser. No. 446,041. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind. Filed Aug. 7, 1941.



The words "Rotary Meter" are disclaimed apart from the mark. The representation of the name plate is disclaimed.

FOR LIQUID METERS.

Claims use since July 24, 1941.

Ser. No. 447,463. LABORATORY EQUIPMENT CORPORATION, Benton Harbor, Mich. Filed Oct. 1, 1941.

LECO

FOR SCIENTIFIC LABORATORY COMBUSTION FURNACES, CABINETS, VARIOUS GLASS AND PYREX PARTS FOR LABORATORY USE, SUCH AS BURETTES, PIPETTES, VESSELS, JARS, INSTRUMENTS FOR ANALYSIS, SUCH AS CARBON, SULPHUR, PHOSPHOROUS AND SILICON DETERMINATION, COMBUSTION BOATS, SHIELDS, COMBUSTION TUBES AND OTHER CERAMIC PARTS AND CERTAIN TYPES OF GLASS TUBING.

Claims use since Oct. 1, 1936.

Ser. No. 449,250. BURKE & JAMES, INC., Chicago, Ill. Filed Dec. 8, 1941.

STILOPTICON

FOR STILLFILM PROJECTORS.

Claims use since January, 1927.

Ser. No. 449,364. AKTIEBOLAGET ADDO, Malmo, Sweden. Filed Dec. 10, 1941.

DIXI

FOR CALCULATING MACHINES AND BOOKKEEPING MACHINES.

Claims use since Sept. 22, 1938.

Ser. No. 449,539. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Dec. 17, 1941.

Ortho-Fusor

FOR APPARATUS FOR TESTING, EXERCISING AND TRAINING THE EYES.

Claims use since Nov. 28, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 449,230. WILLIAM L. GILBERT CLOCK CORPORATION, Winsted, Conn. Filed Dec. 6, 1941.

VEE VMAT

FOR CLOCKS.

Claims use since Nov. 12, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 433,634. SILSON INC., New York, N. Y. Filed July 2, 1940.

SPRATLING OF MEXICO
SILSON INC.

The words "Spratling of Mexico" and "Silson Inc." are disclaimed apart from the mark.

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, WATCH CHAINS, NECK CHAINS, KEY CHAINS, PENDENTS, CHARMS, BRACELETS, BAR PINS, TIE SLIDES, TIE CHAINS, TIE CLASPS, SCARF PINS, CUFF LINKS, CUFF BUTTONS, KNIVES, CLASPS, COLLAR HOLDERS, ANKLE BRACELETS, FOBS, BUTTONS AND FLOWER-HOLDERS.

Claims use since May, 1940.

Ser. No. 449,323. GEORG JENSEN INC., New York, N. Y. Filed Dec. 9, 1941.



FOR FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, TABLEWARE—NAMELY, TRAYS, COASTERS, PLATES, PLACE-CARD HOLDERS, TEA STRAINERS, NAPKIN RINGS AND CLIPS, BOTTLE OPENERS; TOILETWARE—NAMELY, HAIR BRUSHES, MIRRORS, COMBS FOR PERSONAL WEAR AND DRESSING, MANICURING PIECES, PERFUMERY BOTTLES, JARS, COMPACTS, VANITY CASES, POWDER AND JEWELRY BOXES; COCKTAIL SHAKERS; WINE COOLERS AND ICE BUCKETS; CANDLESTICKS, CANDELABRA,

CHANDELIERS; DESK ACCESSORIES — NAMELY, PAPER CUTTERS OR KNIVES, LETTER OPENERS, BOOK MARKS AND CLIPS, MAGNIFYING GLASSES; IDENTIFICATION TAGS; KEY RINGS; POCKET KNIVES; ASH TRAYS; CIGARETTE BOXES AND CASES; SPURS AND THIMBLES, AND JEWELRY, NOT INCLUDING WATCHES, FOR PERSONAL WEAR AND ADORNMENT, ALL MADE UP OF, OR PLATED WITH, OR MOUNTED IN SETTINGS OF SILVER, GOLD, PLATINUM AND OTHER PRECIOUS METALS.

Claims use since Apr. 8, 1932.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 446,007. JUSTIN THARAUD, INC., New York, N. Y. Filed Aug. 5, 1941.

Royal Albert
Crown China
England

No claim is made to the words "Crown— China—England" apart from the mark.

FOR CERAMIC TABLE WARE.

Claims use since Jan. 1, 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 444,634. THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed June 18, 1941.

Lastic Knit

The word "Knit" is disclaimed except in combination with the word "Lastic."

FOR FURNITURE SLIP COVERS.

Claims use since January, 1940.

Ser. No. 444,635. THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed June 18, 1941.

Pennycraft

FOR FURNITURE SLIP COVERS.

Claims use since March, 1940.

Ser. No. 445,102. FRANK J. POTTHAST, Baltimore, Md. Filed July 5, 1941.

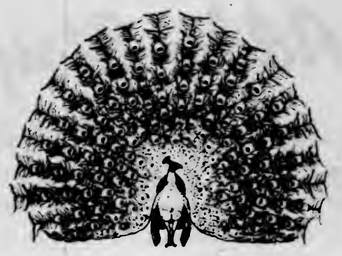


The words "Fine Furniture" are disclaimed apart from the mark and the representation of the chair is disclaimed per se.

FOR DINING ROOM, LIVING ROOM, AND BED ROOM FURNITURE IN ALL PERIOD STYLES.

Claims use since Mar. 1, 1941.

Ser. No. 449,304. PEACOCK LABORATORIES, INC., Philadelphia, Pa. Filed Dec. 11, 1941.



FOR MIRRORS.

Claims use since Nov. 1, 1941.

Ser. No. 449,901. THE GUARANTEE SPECIALTY MANUFACTURING CO., Cleveland, Ohio. Filed Dec. 31, 1941.

Wrisco

FOR COMPLETE VENETIAN BLIND ASSEMBLIES AND SLATS, HEAD RAILS, BOTTOM RAILS, AND TILT RAILS, THEREFOR.

Claims use since Jan. 1, 1939.

CLASS 33

GLASSWARE

Ser. No. 448,847. L. BATLIN & SON, INC., New York, N. Y. Filed Nov. 24, 1941.

Elbee

FOR GLASSWARE—NAMELY, PERFUME BOTTLES, POWDER JARS, DRESSER SETS AND DRESSER TRAYS, FOR DECORATIVE, FANCY, AND TOILETTE USES, CANDY AND BON BON BOXES AND DISHES.
Claims use since Mar. 1, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 443,228. GARDEN CITY PLATING & MFG. CO., INC., Chicago, Ill. Filed May 3, 1941.

Adda-Strip

The word "Strip" is disclaimed apart from the mark.
FOR LIGHTING REFLECTORS FOR FLUORESCENT LAMPS.
Claims use since Apr. 19, 1941.

Ser. No. 445,314. BARBER-COLMAN COMPANY, Rockford, Ill. Filed July 14, 1941.

VOLOCITROL

FOR AIR FLOW CONTROL LOUVER UNITS FOR AIR CONDITIONING SYSTEMS.
Claims use since May 6, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND AND NONMETALLIC TIRES

Ser. No. 448,022. JAMES WALKER & CO., LIMITED, Woking, England. Filed Oct. 22, 1941.

SEALION

FOR COTTON, HEMP, ASBESTOS, FLAX, OR METALLIC FOIL MACHINERY PACKING.
Claims use since February, 1941.

Ser. No. 448,651. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Nov. 14, 1941.

QUAKER

FOR BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES, AIR BRAKE HOSE, AIR DRILL HOSE, AIR PUMP HOSE, CHEMICAL HOSE, FIRE HOSE, GARDEN HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, AND HOSE FOR CONVEYING AIR, LIQUIDS AND GASES, MACHINERY PACKING, BEER DISPENSING TUBING, FIRE EXTINGUISHER TUBING, GAS TUBING, PIANO PLAYER TUBING, WINDSHIELD WIPER TUBING, FLUORIC ACID TUBING, MILK MACHINE TUBING, SHEET AND ROD PACKING, SOLID TIRES, ALL OF WHICH CONTAIN RUBBER, OR SYNTHETIC RUBBER, OR BOTH.
Claims use since 1939.

Ser. No. 448,652. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Nov. 14, 1941.

QUAKER RUBBER CORPORATION PHILADELPHIA, PA. U.S.A.

No claim is made to the words "Philadelphia, Pa."
FOR BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES, MACHINERY PACKING, BEER DISPENSING TUBING, FIRE EXTINGUISHER TUBING, GAS TUBING, PIANO PLAYER TUBING, WINDSHIELD WIPER TUBING, FLUORIC ACID TUBING, MILK MACHINE TUBING, SHEET AND ROD PACKING, SOLID TIRES, ALL OF WHICH CONTAIN RUBBER, OR SYNTHETIC RUBBER, OR BOTH.
Claims use since 1913.

Ser. No. 449,263. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Dec. 8, 1941.

Garden Club

The word "Garden" is disclaimed except as included in the composite trade-mark.
FOR FLUID CONDUCTING HOSE COMPOSED OF FABRIC AND RUBBER.
Claims use since September, 1932.

Ser. No. 449,863. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1941.

AVALON

Applicant is the owner of registrations No. 290,105, registered Dec. 22, 1931; No. 298,383, registered Oct. 25, 1932; No. 324,470, registered May 21, 1935; and No. 376,281, registered Mar. 19, 1940.
FOR JAR RINGS.
Claims use since May, 1932.

CLASS 37

PAPER AND STATIONERY

Ser. No. 447,341. MCCRORY STORES CORPORATION, New York, N. Y. Filed Sept. 26, 1941.



Applicant disclaims the words "For Smart Packages," "Gift Wrappings," "Exclusively" and "Vanderbilt" apart from the mark. The drawing is lined for blue and silver. Applicant is owner of T. M. Reg. Nos. 355,115 and 388,378.
FOR WRAPPERS.
Claims use since August, 1941.

Ser. No. 448,166. PARSONS PAPER COMPANY, Holyoke, Mass. Filed Oct. 27, 1941.

MECHANO FORM

No claim is made to the word "Form" apart from the mark.
FOR LEDGER AND INDEX PAPERS.
Claims use since June, 1927.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 448,879. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo. Filed Nov. 24, 1941.

LOOPING THE LOOPS

FOR NEWSPAPER COLUMN.
Claims use since September, 1941.

Ser. No. 448,991. TRIBUNE COMPANY, Chicago, Ill. Filed Nov. 27, 1941.

White Collar GIRL

FOR NEWSPAPER COLUMN.
Claims use since Nov. 10, 1941.

CLASS 39

CLOTHING

Ser. No. 439,112. MARKAY, INC., Kansas City, Mo. Filed Dec. 23, 1940.

Marguerite Keyes Original

The name Marguerite Keyes presented on the drawing is the facsimile signature of Marguerite Keyes. No claim is made to the word "Original" apart from the mark.
FOR LADIES', MISSES', WOMEN'S, JUNIORS', AND CHILDREN'S DRESSES AND SLACK SUITS AND PLAY SUITS.
Claims use since Dec. 4, 1940.

Ser. No. 439,377. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Jan. 2, 1941.



FOR WORK GLOVES OF COMBINED LEATHER AND FABRIC.
Claims use since Oct. 22, 1940.

Ser. No. 440,580. COLE OF CALIFORNIA, INC., Los Angeles, Calif. Filed Feb. 12, 1941.

CHRYSALIS

FOR WOMEN'S, MISSES', AND CHILDREN'S GARMENTS—NAMELY, SWIMMING SUITS.
Claims use since Oct. 20, 1940.

Ser. No. 443,259. MOSES FINDER CO. INC., New York, N. Y. Filed May 5, 1941.



The word "Cravats" is disclaimed apart from the mark.
FOR CRAVATS.
Claims use since 1934.

Ser. No. 443,273. CORRECT GARMENT CO. INC., New York, N. Y. Filed May 5, 1941.

Flex-O-Slax

The word "Slax" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' AND CHILDREN'S SKIRTS HAVING THE APPEARANCE OF SLACKS.
Claims use since September, 1940.

Ser. No. 443,821. SUPERBA CRAVATS, Rochester, N. Y. Filed May 22, 1941.

CORDO

FOR NECKTIES.
Claims use since Aug. 22, 1940.

Ser. No. 444,867. FROMM BROS., INC., Hamburg, Wis. Filed June 26, 1941. Under the act of Feb. 20, 1905, as amended June 10, 1938.



The drawing is lined for shading only. The mark comprises a ribbon carrying a medallion.
FOR LADIES' GARMENTS MADE OF FUR—NAMELY, COATS, JACKETS, CAPES AND SCARFS; AND LADIES' GARMENTS OF CLOTH TRIMMED WITH FUR—NAMELY, COATS, JACKETS, CAPES, AND SUITS.
Claims use since June 1, 1941.

Ser. No. 446,277. NORVIC SHOE COMPANY, LIMITED, Norwich, England. Filed Aug. 15, 1941.



The picture included in the mark is that of Sir Herbert Barker, famous orthopedist who was knighted for his services to foot sufferers. The name "Herbert Barker" shown in script on the mark, is a facsimile of Sir Herbert Barker's signature. No claim is made to the word "Shoe" apart from the mark shown in the drawing. The lining on the drawing indicates shading only.
FOR BOOTS AND SHOES MADE OF LEATHER.
Claims use since 1932.

Ser. No. 447,781. BYER-ROLNICK CO., Garland, Tex. Filed Oct. 14, 1941.

SILVER STREAK

FOR MEN'S HATS.
Claims use since Jan. 3, 1934.

Ser. No. 448,181. AUGUST BENTKAMP, New York, N. Y. Filed Oct. 28, 1941.

EAR-MITTS

The word "Ear" is disclaimed apart from the mark.
FOR EAR MUFFS.
Claims use since Oct. 20, 1941.

Ser. No. 448,449. MAX DOMBROWSKY, New York, N. Y. Filed Nov. 7, 1941.

Technicolor

Teh word "Color" is disclaimed except as shown.
FOR NECKTIES, CRAVATS, AND HANDKERCHIEFS AND COMBINATION SETS OF SAID ITEMS.
Claims use since April, 1941.

Ser. No. 448,866. KESSLER, SCHWARTZ & CO., INC., New York, N. Y. Filed Nov. 24, 1941.

RIDE-AWAY

FOR WOMEN'S AND MISSES' COATS AND SUITS, AND LADIES' EQUESTRIAN CLOTHES, THAT IS, JODPHURS, BREECHES, SCARFS, BLOUSES, SHOES, BOOTS, GLOVES, AND JACKETS.
Claims use since Sept. 18, 1941.

Ser. No. 448,880. A. STEIN & COMPANY, Chicago, Ill. Filed Nov. 24, 1941.

PER-FIT

No claim is made to the word "Fit" per se.
FOR GARTERS, SUSPENDERS, AND BELTS FOR OUTER WEAR.
Claims use since Oct. 24, 1941.

Ser. No. 448,941. A. HARRIS & Co., Dallas, Tex. Filed Nov. 26, 1941.

Karl CREATIONS

The word "Creations" is disclaimed apart from the mark.
FOR HATS FOR LADIES, MISSES, AND GIRLS.
Claims use since January, 1938.

Ser. No. 449,147. VERA ADRIENNE MEREJKO, New York, N. Y. Filed Dec. 3, 1941.

Vera Adrienne

FOR LADIES' AND MISSES' DRESSES, SUITS, AND COATS.
Claims use since January, 1936.

Ser. No. 449,232. HECHT & BIERN, New York, N. Y. Filed Dec. 6, 1941.

Scotharra

FOR LADIES' SWEATERS.
Claims use since 1937.

Ser. No. 449,343. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Dec. 10, 1941.

SAFETYTOWN

FOR HEELS, SOLES, AND HALF SOLES OF RUBBER.
Claims use since Nov. 14, 1941.

Ser. No. 449,366. DAVID CRYSTAL, INC., New York, N. Y. Filed Dec. 11, 1941.

TROPICANA

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND COAT.
Claims use since Nov. 7, 1941.

Ser. No. 449,491. MOORDALE CASUALS, INC., Chicago, Ill. Filed Dec. 15, 1941.

Moordale

FOR WOMEN'S, MISSES' AND JUNIORS' SUITS, COATS, DRESSES, AND SLACKS.
Claims use since Dec. 10, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 444,926. JOSEPH H. BROWN, New York, N. Y. Filed June 28, 1941.

COMFEE

FOR TWO-PRONGED HAT PIN FOR ATTACHING TO LINING HAT BANDS.
Claims use since June 1, 1941.

Ser. No. 448,469. CREED & STEWART, LTD., Aurora, Ill. Filed Nov. 8, 1941.

Rest-ettes

FOR PACKAGES CONTAINING CUT-OUT AND PREPARED MATERIALS FOR MAKING LOUNGING SLIPPERS, SPECIFICALLY, QUILTED SOLES AND UPPERS, TAPE, AND ELASTIC.
Claims use since Sept. 16, 1941.

Ser. No. 449,300. SHOE LACE COMPANY, Lawrence, Mass. Filed Dec. 8, 1941.

ACE

FOR SHOE LACES.
Claims use since Dec. 16, 1918.

CLASS 43

THREAD AND YARN

Ser. No. 449,471. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Dec. 13, 1941.

ASBESTON

FOR ASBESTOS YARNS.
Claims use since Nov. 15, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 428,278. CONSTRUCTIONS ET APPLICATIONS RADIO-ELECTROLYTIQUES, Paris, France. Filed Feb. 6, 1940.

CARETOR

FOR APPARATUS FOR ELECTROLYTICALLY PREPARING AN ANTISEPTIC SOLUTION FOR MEDICINAL AND SURGICAL USE.
Claims use since Jan. 11, 1939.

Ser. No. 448,034. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 23, 1941.

CASCOMATIC

FOR ELECTRIC HEATING PADS.
Claims use since July 25, 1941.

Ser. No. 448,192. GOTHAM SALES COMPANY INC., New York, N. Y. Filed Oct. 28, 1941.

RO

FOR PROPHYLACTIC RUBBER ARTICLES TO PREVENT THE SPREAD OF CONTAGIOUS DISEASES.
Claims use since Dec. 15, 1938.

Ser. No. 448,711. HERMANN STEIN, doing business as The Ondolea Company, New York, N. Y. Filed Nov. 17, 1941.

ONDOLEA

FOR HAIR DRESSING (PERMANENT WAVE) KITS, SAID KITS EACH BEING COMPRISED IN A PACKAGED SUPPLY OF INSTRUMENTALITIES, EITHER INDIVIDUAL OR IN COMBINATION, REQUISITE TO COIFFURE FORMATIONS OF HUMAN HAIR BY PERMANENT CURLING AND WAVING.
Claims use since July 1, 1941.

Ser. No. 448,797. BERNARD B. LOWENSTEIN, doing business as B. L. Dental Company, New York, N. Y. Filed Nov. 21, 1941.

DIADENT

FOR DENTAL INSTRUMENTS—NAMELY, GRINDING WHEELS AND CUTTING TOOLS FOR DENTAL INSTRUMENTS, BURS, AMALGAM CARVERS, EXCAVATORS FOR TEETH, CANAL REAMERS, AND FILES.
Claims use since Nov. 11, 1941.

Ser. No. 449,613. H. D. JUSTI & SON, INC., Philadelphia, Pa. Filed Dec. 19, 1941.



The word "Impression" is disclaimed apart from the mark.
FOR MATERIALS AND KITS OF MATERIALS FOR FORMING INTRA ORAL DENTAL IMPRESSIONS.
Claims use since Dec. 6, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 436,745. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa. Filed Oct. 8, 1940.



Applicant is owner of registration No. 152,970.
FOR PEANUT BUTTER, CANE AND MAPLE SYRUP, HONEY, BREAKFAST CEREALS, BUCKWHEAT FLOUR; BUCKWHEAT, CORN AND WHEAT FLOUR, PANCAKE FLOUR, AND CAKE FLOUR.
Claims use since June 1, 1920.

Ser. No. 436,917. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Oct. 14, 1940.

HERE'S HEALTH

PINAPEAR

Applicant is owner of T. M. Reg. No. 373,549. No claim is made to the word "Health" apart from the mark.
FOR CANNED PINEAPPLE AND PEAR JUICE FOR FOOD PURPOSES.
Claims use since Oct. 7, 1940.

Ser. No. 437,747. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Nov. 9, 1940.



FOR CANNED VEGETABLES, FRUITS, FRUIT JUICES FOR FOOD PURPOSES, FISH, PORK AND BEANS, SOUPS, BROTHS, PUDDINGS AND BROWN BREAD; WHEAT, RYE, POTATO, RICE, GLUTEN, CAKE, PASTRY CAKE, AND PANCAKE-WAFFLE COMBINATION FLOURS; BAKING POWDER; PREPARED BUCKWHEAT; TEA; TEA BALLS CONSISTING OF SMALL BAGS OF TEA; COFFEE; RICE; MOLASSES; MAPLE SYRUP; PANCAKE SYRUP; HONEY; SAUCES OF THE WORCESTERSHIRE TYPE; CHILI SAUCE; COCKTAIL SAUCE; RED WHOLE PEPPER SAUCE; CONCENTRATED HOT SAUCE; SALAD DRESSING; GELATINE; PAPRIKA; SPICES; CHILI POWDER; SOUR SALT USED AS A FLAVORING BY BAKERS AND CONFECTIONERS; PACKAGED BARLEY; PACKAGED BRAN; HOMINY; CORN MEAL; TAPIOCA; CORN FLAKES; PACKAGED OATS; BRAN AND RICE FLAKES; WHEAT CEREAL; WHEAT AND RICE PUFFS; BOUILLON CUBES; CONDENSED AND EVAPORATED MILK; DRIED AND GLAZED FRUITS; DRIED, CANNED, AND FRESH PRUNES; CITRON AND DICED, SLICED OR DRAINED, CITRON, LEMON AND ORANGE PEELS; STUFFED ASSORTED FRUITS; GINGER; PRESERVED FIGS; APPLES IN BULK; NUTS IN BULK; MACARONI; NOODLES; OLIVES, PLAIN AND STUFFED; OLIVE OIL; PIMIENTOS; MUSHROOMS; ANCHOVY PASTE; CAPERS; CHERRIES (MARASCHINO AND MINT STYLES, AND FOR DIPPING AND FOUNTAIN USE); STRAWBERRY, RASPBERRY, RED CHERRY, CHERRY, PINEAPPLE, PEACH, APRICOT, BLACKBERRY, LOGANBERRY, GRAPE, DAMSON PLUM, AND MARMALADE PRESERVES, JAMS, AND JELLIES; APPLE BUTTER; JELLY POWDERS; MINCEMEAT; SALT MACKEREL; PICKLED, PRESERVED, AND PACKAGED FISH; CHEESE; SALT; COCOANUT; CORN STARCH; PICKLES; VINEGAR; HORSE RADISH; CHOCOLATE, COCOA; CHOCOLATE MALT-FLAVORED SYRUP; MARSHMALLOW CREME; CRACKER MEAL; FLAVORING EXTRACTS FOR FOOD PURPOSES; MALTED MILK; PEANUT BUTTER; CANDY; CRUSHED FRUITS; AND BIRD SEED.
Claims use since August, 1914.

Ser. No. 438,951. LAWSON COFFEE CO., INC., Sumter, S. C. Filed Dec. 17, 1940.

PEE DEE

FOR COFFEE.
Claims use since 1925.

Ser. No. 439,253. I. JOSEPH MAZO, doing business as Mazo Brothers Company, Washington, D. C. Filed Dec. 28, 1940.

Mabro

FOR CANNED FRUITS AND VEGETABLES, CANNED SOUPS, GLASSED VINEGAR, GLASSED PEANUT BUTTER, CANNED FISH, CANNED SPAGHETTI, CANNED APPLESAUCE, CANNED EVAPORATED MILK, GLASSED CATSUP, CANNED VEGETABLE JUICES, GLASSED APPLE BUTTER, CANNED DOG AND CAT FOOD, AND GLASSED MAYONNAISE.
Claims use since May 21, 1917.

Ser. No. 442,045. FREDERICK F. LOWENFELS & SON, New York, N. Y. Filed Mar. 28, 1941.



FOR BUTTER.
Claims use since Mar. 14, 1941.

Ser. No. 443,852. ROSSER J. NEWMAN, doing business as The Del-Mar Company, Dallas, Tex. Filed May 23, 1941.



FOR CONDIMENT SAUCE PREPARATION FOR FLAVORING ROASTS, CHOPS, FISH, MEAT LOAF, SALADS, AND GAME FOODS.
Claims use since Nov. 5, 1940.

Ser. No. 444,326. CEROPHYL LABORATORIES, INC., Kansas City, Mo. Filed June 9, 1941.

YAR

FOR VITAMIN AND MINERAL SUPPLEMENT TO HUMAN AND ANIMAL FOOD MADE BY DEHYDRATING CEREAL GRASSES, SUCH AS WHEAT, OATS, RYE, AND BARLEY.
Claims use since May 29, 1941.

Ser. No. 446,125. GEO. W. CASWELL CO., San Francisco, Calif. Filed Aug. 11, 1941.



The words "Caswell's", "Coffee", "Geo. W. Caswell Co.", and "San Francisco, Calif." are disclaimed apart from the mark. The drawing is lined for yellow and blue.
FOR COFFEE.
Claims use since Dec. 22, 1939.

Ser. No. 446,887. NEVINS FRUIT CO., INC., New York, N. Y. Filed Sept. 8, 1941.



Applicant is owner of T. M. Reg. Nos. 91,506 and 279,178. The words "Nevins" and "Groves" do not form a part of the mark apart from the mark shown. The drawing is lined for red and green.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Nov. 27, 1935.

Ser. No. 447,561. ECONOMY GROCERY STORES CORPORATION, also doing business under the names and styles of Stop and Shop Super Markets and Economy Grocery Stores, Boston, Mass. Filed Oct. 6, 1941.

Icicle

FOR CANNED FISH.
Claims use since May 1, 1941.

Ser. No. 448,353. ALBANY PACKING COMPANY, INC., Colonie, N. Y. Filed Nov. 3, 1941.

POLLIA

FOR MEATS AND MEAT PRODUCTS—VIZ., COOKED CANNED HAMS.
Claims use since Aug. 4, 1941.

Ser. No. 448,403. DANIEL ISAAC YOHANAN, Denair, Calif. Filed Nov. 4, 1941.

YOHAN

FOR CANNED SOUP AND A PREPARATION OF MILK AND VEGETABLE JUICES FOR MAKING SOUP.
Claims use since Apr. 26, 1941.

Ser. No. 448,698. LA BREA SECURITIES CO., doing business as Rosemary Packing Company, Los Angeles and Santa Maria, Calif. Filed Nov. 17, 1941.



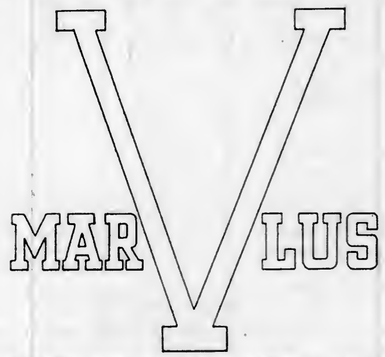
No claim is made to the representation of a label apart from the mark.
FOR FRESH VEGETABLES—NAMELY, BROCCOLI, CAULIFLOWER, CHICORY, CARROTS, ANISE, CABBAGE, CELERY, RHUBARB, AND BELL-PEPPERS.
Claims use since Nov. 6, 1941.

Ser. No. 448,803. ROETHLISBERGER & CO., INC., New York, N. Y. Filed Nov. 21, 1941.



Applicant is the owner of registration No. 150,543.
FOR CHEESE.
Claims use since May 2, 1921.

Ser. No. 449,027. SOUTH TEXAS PRODUCE CO., McAllen, Tex. Filed Nov. 28, 1941.



FOR FRESH CITRUS FRUIT—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Oct. 1, 1941.

Ser. No. 449,079. MARINE PRODUCTS COMPANY, San Diego, Calif. Filed Dec. 1, 1941.

CAL-SEA

Applicant is owner of T. M. Reg. No. 336,490. No claim is made to the word "Sea" apart from the mark.
FOR FRESH FROZEN SHRIMP.
Claims use since Nov. 18, 1941.

Ser. No. 449,265. ERNEST A. HAMWI, doing business as Western Cone Company, St. Louis, Mo. Filed Dec. 8, 1941.

MOCO

FOR ICE CREAM CONES.
Claims use since Dec. 5, 1941.

Ser. No. 449,367. THE DEWEY BROTHERS COMPANY, Blanchester, Ohio. Filed Dec. 11, 1941.

RIBOFLAKES

FOR CORN DISTILLERS DRIED SOLUBLES, AN INGREDIENT FOR POULTRY AND LIVESTOCK FEED.
Claims use since Nov. 25, 1941.

Ser. No. 449,711. AZUSA CITRUS ASSOCIATION, Azusa, Calif. Filed Dec. 23, 1941.

BLUE CRUSADER

Applicant is owner of T. M. Reg. No. 222,348.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1915.

Ser. No. 449,712. AZUSA CITRUS ASSOCIATION, Azusa, Calif. Filed Dec. 23, 1941.

GREEN CRUSADER

Applicant is owner of T. M. Reg. No. 222,348.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1915.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 448,626. STERLING BREWERS, INC., Evansville, Ind. Filed Nov. 13, 1941.



Applicant is the owner of registration 306,673 which was effected under the 10-year proviso and covers the word "Sterling".
FOR BEER.
Claims use since Mar. 1, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 429,431. THE CARDINAL CORPORATION, Evansville, Ind. Filed Mar. 11, 1940.

SEE-DEEP

FOR CASTINGS OF TRANSPARENT PLASTIC MATERIAL FOR USE AS NAME PLATES, BUTTONS, KNOBS, DECORATIVE TRIM MEDALLIONS AND TRIM STRIPS, ALL FOR AUTOMOBILES; ESCUTCHEON PLATES, BUTTONS, KNOBS, AND DECORATIVE MEDALLIONS, ALL FOR RADIO RECEIVING SETS; NAME PLATES, AND INTERIOR DECORATIVE MEDALLIONS AND TRIM, ALL FOR REFRIGERATORS; AND INITIALS, INSERTS, AND MEDALLIONS FOR INCORPORATION IN JEWELRY.
Claims use since Feb. 21, 1940.

Ser. No. 448,106. ROBERT P. MAGID, doing business as Hartford Textile Co., New York, N. Y. Filed Oct. 25, 1941.

DURALYTE

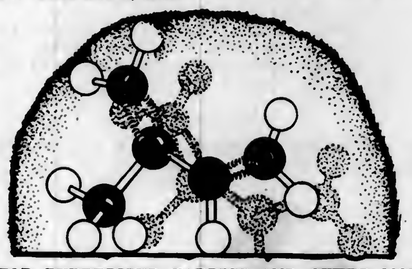
FOR WATER PROOF TEXTILE FABRICS IN THE PIECE.
Claims use since Aug. 12, 1940.

Ser. No. 448,170. QUAKER STRETCHER COMPANY, Kenosha, Wis. Filed Oct. 27, 1941.

Quaker "RIGID"

No claim is made to the word "Rigid" apart from the mark.
FOR CURTAIN STRETCHERS.
Claims use since Aug. 11, 1941.

Ser. No. 449,309. ALDAN RUBBER COMPANY, Philadelphia, Pa. Filed Dec. 9, 1941.



FOR RUBBERIZED FABRICS AND OTHER MOISTURE PROOFED AND WATER-REPELLENT FABRICS.
Claims use since Nov. 20, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 17, 1942

393,427. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed August 13, 1938. Serial No. 409,589. PUBLISHED DECEMBER 9, 1941. Class 46.

393,428. ANTISEPTICS, FUNGICIDES, AND DISINFECTANTS. MONTANIN COMPANY, INC., New York, N. Y.
Filed March 15, 1939. Serial No. 417,096. PUBLISHED SEPTEMBER 16, 1941. Class 6.

393,429. PLATES, TRAYS, AND DISHES OF ALL FORMS IN FINISHED CONDITION, AND PREFORMS OF SUCH PLATES, TRAYS, AND DISHES MADE OF PULP WITH AN ADMIXTURE OF A PLASTIC SUBSTANCE OR SUBSTANCES ADAPTED TO BE BROUGHT TO FINISHED CONDITION BY COMPRESSION WITH HEAT. DISPERSION PRODUCTS, INC., Needham, Mass.
Filed September 14, 1939. Serial No. 423,595. PUBLISHED DECEMBER 16, 1941. Class 2.

393,430. CUT-OUT BOOKS PUBLISHED FROM TIME TO TIME. MCLOUGHLIN BROS., INC., Springfield, Mass.
Filed August 3, 1940. Serial No. 434,656. PUBLISHED NOVEMBER 25, 1941. Class 38.

393,431. DEODORANT AND NONPERSPIRANT. THE PHARMA-CRAFT CORPORATION, Louisville, Ky.
Filed August 16, 1940. Serial No. 435,062. PUBLISHED OCTOBER 22, 1940. Class 6.

393,432. WHISKY. A. P. MCDOWALL & Co. (DISTILLERS) LIMITED, Glasgow, Scotland.
Filed August 24, 1940. Serial No. 435,366. PUBLISHED NOVEMBER 25, 1941. Class 49.

393,433. MAILING ENVELOPES, AND STICKERS MADE OF PAPER, FOR ENVELOPES, CARTONS, AND MAILING TUBES. WALTER F. KINNUCAN, doing business as Letter Fly Company, Chicago, Ill.
Filed August 30, 1940. Serial No. 435,548. PUBLISHED DECEMBER 9, 1941. Class 37.

393,434. MEATS AND MEAT PRODUCTS—NAMELY, BACON. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio.
Filed October 14, 1940. Serial No. 436,933. PUBLISHED DECEMBER 9, 1941. Class 46.

393,435. WINES. K. C. AREY & COMPANY, INC., Danville, Va.
Filed November 7, 1940. Serial No. 437,639. PUBLISHED DECEMBER 2, 1941. Class 47.

393,436. WHISKEY. BEN-BURK, INC., Boston, Mass.
Filed November 14, 1940. Serial No. 437,854. PUBLISHED JANUARY 21, 1941. Class 49.

393,437. RUM. J. H. CERECEDO, doing business as J. H. Cerecedo & Co., Chicago, Ill.
Filed November 15, 1940. Serial No. 437,895. PUBLISHED NOVEMBER 18, 1941. Class 49.

393,438. DETERGENT CLEANING COMPOUND FOR GENERAL USE. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed November 23, 1940. Serial No. 438,187. PUBLISHED JANUARY 7, 1941. Class 4.

393,439. AROMATIC MATERIAL USED AS A DEODORANT OR ODORANT, ETC. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,940. PUBLISHED FEBRUARY 18, 1941. Class 6.

393,440. COMIC STRIP SERIES. ABRAHAM GOODMAN, doing business as Timely Publications, New York, N. Y., assignor to Timely Comics, Inc., New York, N. Y., a corporation of New York.
Filed December 23, 1940. Serial No. 439,088. PUBLISHED NOVEMBER 25, 1941. Class 38.

393,441. MATTRESSES. SIMMONS COMPANY, New York, N. Y.
Filed December 30, 1940. Serial No. 439,301. PUBLISHED DECEMBER 16, 1941. Class 32.

393,442. STAMPINGS, FORGINGS, MOLDINGS, AND METAL PARTS MADE BY POWDER METALLURGY. POWDER METALLURGY INC., New York and Long Island City, N. Y.
Filed January 22, 1941. Serial No. 439,876. PUBLISHED NOVEMBER 25, 1941. Class 14.

393,443. MEDICINAL PRODUCTS AND PREPARATIONS—NAMELY, STOMACH AND INTESTINAL MEDICINES, KIDNEY AND BLADDER MEDICINES, ETC. S. PFEIFFER MFG. CO., doing business as Maldehyde Chemical Co., St. Louis, Mo.
Filed February 3, 1941. Serial No. 440,263. PUBLISHED APRIL 15, 1941. Class 6.

393,444. SEASONED POPCORN AND CANDIED POPCORN AND CARAMEL POPPED CORN CONFECTIONS. TASDELITE PRODUCTS, INC., Washington, D. C.
Filed March 19, 1941. Serial No. 441,714. PUBLISHED DECEMBER 9, 1941. Class 46.

393,445. GASEOUS FUEL FOR INDUSTRIAL PURPOSES FOR HEATING METALS, PLASTICS, AND CHEMICAL COMPOUNDS. CONSERVATIVE GAS CORP., Brooklyn, N. Y.
Filed April 2, 1941. Serial No. 442,189. PUBLISHED DECEMBER 9, 1941. Class 6.

393,446. WINES. THE AMERICAN VINEYARDS CORPORATION, Cleveland, Ohio.
Filed April 14, 1941. Serial No. 442,542. PUBLISHED DECEMBER 9, 1941. Class 47.

393,447. RUBBER STAMPS, RUBBER TYPE, RUBBER TYPE HOLDERS AND OFFICE PRINTING OUTFITS. THE SUPERIOR TYPE COMPANY, Chicago, Ill.
Filed April 14, 1941. Serial No. 442,576. PUBLISHED DECEMBER 16, 1941. Class 37.

393,448. WINES. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y.
Filed April 18, 1941. Serial No. 442,718. PUBLISHED JULY 29, 1941. Class 47.

393,449. HOSIERY. BLUE LINE HOSIERY MILLS, INC., New York, N. Y.
Filed April 28, 1941. Serial No. 443,037. PUBLISHED DECEMBER 2, 1941. Class 39.

393,450. PREPARATION USED IN THE TREATMENT OF ATHLETE'S FOOT. RIDGEFIELD CHEMICAL CO. INC., New York, N. Y.
Filed April 28, 1941. Serial No. 443,055. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,451. BLEACHING FLUID. CHLORINE SOLUTIONS, INC., Los Angeles, Calif.
Filed May 2, 1941. Serial No. 443,184. PUBLISHED JUNE 24, 1941. Class 6.

393,452. COLUMN OR SECTION OF A NEWSPAPER OR PERIODICAL AND PRINTED COPIES OF LECTURES GIVEN DIRECTLY OR OVER THE RADIO. ALFRED N. PHILLIPS, JR., Darien, Conn.
Filed May 8, 1941. Serial No. 443,371. PUBLISHED DECEMBER 2, 1941. Class 38.

393,453. WOMEN'S AND MISSES' DRESSES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed May 15, 1941. Serial No. 443,597. PUBLISHED DECEMBER 2, 1941. Class 39.

393,454. CHEMICAL EMULSION FOR SPRAY PURPOSES TO CONTROL FUNGUS DISEASES. DESTRUXOL CORPORATION, LTD., Pasadena, Calif.
Filed May 21, 1941. Serial No. 443,752. PUBLISHED NOVEMBER 4, 1941. Class 6.

393,455. YARN. TOWER BRAND YARN CORP., New York, N. Y.
Filed May 21, 1941. Serial No. 443,787. PUBLISHED DECEMBER 9, 1941. Class 43.

393,456. DRAIN PIPE CLEANER, BOILER LIQUID CHEMICAL PREPARATION FOR REMOVING RUST AND STOPPING LEAKS IN BOILERS OR OTHER WATER SYSTEMS, ETC. WHAM PRODUCTS CORP., New York, N. Y.
Filed May 21, 1941. Serial No. 443,789. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,457. SALT AND PEPPER SERVERS OF SYNTHETIC RESIN. EDWIN J. OSTERBAUER, doing business as The Oster-Bauer Shop, Rockford, Ill.
Filed May 29, 1941. Serial No. 444,050. PUBLISHED SEPTEMBER 9, 1941. Class 2.

393,458. MECHANICAL PENCILS, LEADS, WOOD CASE PENCILS, FOUNTAIN PENCILS AND PEN STAFFS. LINTON PENCIL COMPANY, Lewisburg, Tenn., assignor to Linton Pencil Company, Lewisburg, Tenn.
Filed June 3, 1941. Serial No. 444,155. PUBLISHED DECEMBER 16, 1941. Class 37.

393,459. GIN, COCKTAILS, AND CORDIALS. G. F. HEUBLEIN & BRO., Hartford, Conn.
Filed June 4, 1941. Serial No. 444,182. PUBLISHED DECEMBER 2, 1941. Class 49.

393,460. WAX TREATED WRAPPING PAPER. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed June 6, 1941. Serial No. 444,293. PUBLISHED DECEMBER 16, 1941. Class 37.

393,461. GRAY IRON AND IRON ALLOY CASTINGS AND GRAY IRON AND IRON ALLOY USED FOR CASTINGS. DAYTON FOUNDRY, INC., Hollydale, Calif.
Filed June 13, 1941. Serial No. 444,491. PUBLISHED NOVEMBER 25, 1941. Class 14.

393,462. SYNDICATED FASHION FEATURE COLUMN ISSUED PERIODICALLY. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 17, 1941. Serial No. 444,595. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,463. DIETHOXY ETHYL PHTHALATE. OHIO-APEX, INC., Nitro, W. Va.
Filed June 17, 1941. Serial No. 444,603. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,464. DIBUTOXY ETHYL PHTHALATE. OHIO-APEX, INC., Nitro, W. Va.
Filed June 17, 1941. Serial No. 444,605. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,465. DIMETHOXY ETHYL PHTHALATE. OHIO-APEX, INC., Nitro, W. Va.
Filed June 17, 1941. Serial No. 444,606. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,466. MEDICINAL PREPARATION USED IN THE TREATMENT OF HAY FEVER, HEAD COLDS, SINUSITIS, CATARRH, AND ASTHMA. C-H-C LABORATORIES, INCORPORATED, New Orleans, La.
Filed June 18, 1941. Serial No. 444,630. PUBLISHED DECEMBER 2, 1941. Class 6.

393,467. RADIO SCRIPTS PUBLISHED FROM TIME TO TIME AND SOLD AS SUCH IN THE TRADE. GRANT ADVERTISING, INC., Dallas, Tex.
Filed June 19, 1941. Serial No. 444,671. PUBLISHED DECEMBER 2, 1941. Class 38.

393,468. DRYING OILS AND SPECIFICALLY A MODIFIED LINSEED OIL USEFUL IN PAINTS AND VARNISHES. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed June 23, 1941. Serial No. 444,772. PUBLISHED DECEMBER 9, 1941. Class 16.

393,469. RACING ARTICLES AND COMMENT APPEARING IN NEWSPAPERS AND PERIODICALS, AND FOR ARTICLES RELATING TO RACING INFORMATION AND SELECTIONS PUBLISHED FROM TIME TO TIME IN NEWSPAPERS AND OTHER PERIODICALS. FRANCIS J. GREENFELDER, West New York, N. J.
Filed June 24, 1941. Serial No. 444,793. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,470. LADIES' OUTER GARMENTS—NAMELY, COATS, SUITS, JACKETS, SKIRTS, TOPPERS, AND CAPES AND FOR MEN'S OVERCOATS. HOLLYWOOD FASHIONS, Los Angeles, Calif.
Filed July 2, 1941. Serial No. 445,013. PUBLISHED DECEMBER 2, 1941. Class 39.

393,471. BOARD GAMES PLAYED WITH PLAYING PIECES AND CARD GAMES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed July 8, 1941. Serial No. 445,169. PUBLISHED DECEMBER 16, 1941. Class 22.

393,472. SECTION OF A PERIODICAL. CLEONAE W. BROOKS, doing business as American Horseman, Lexington, Ky.
Filed July 9, 1941. Serial No. 445,195. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,473. SECTION OR COLUMN OF A MONTHLY MAGAZINE. MAT S. COHEN, Lexington, Ky.
Filed July 9, 1941. Serial No. 445,196. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,474. SCRIPTS FOR RADIO BROADCASTS ISSUED FROM TIME TO TIME. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed July 18, 1941. Serial No. 445,404. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,475. HINGES. PAUL M. STEPHENS, Ashland, Mo.
Filed July 25, 1941. Serial No. 445,643. PUBLISHED DECEMBER 9, 1941. Class 13.

393,476. PREVENTATIVE FOR VENEREAL DISEASES. EDWARD J. MOORE SONS, INC., doing business as Sanger & Co., Long Island City, N. Y.
Filed July 26, 1941. Serial No. 445,665. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,477. WINES. FEDERAL WINE AND LIQUOR COMPANY, Jersey City, N. J.
Filed July 29, 1941. Serial No. 445,719. PUBLISHED NOVEMBER 18, 1941. Class 47.

393,478. WINES. FEDERAL WINE AND LIQUOR COMPANY, Jersey City, N. J.
Filed July 29, 1941. Serial No. 445,720. PUBLISHED NOVEMBER 18, 1941. Class 47.

393,479. PICTURE PUZZLE GAMES. THE TUCO WORK SHOPS, INCORPORATED, Lockport, N. Y.
Filed July 29, 1941. Serial No. 445,759. PUBLISHED DECEMBER 16, 1941. Class 22.

393,480. IRON, STEEL, COPPER, LEAD, TIN, ZINC, AND TIN PLATE. GORDON METAL COMPANY, Richmond, Va.
Filed July 31, 1941. Serial No. 445,832. PUBLISHED DECEMBER 9, 1941. Class 14.

393,481. PIGEON-PROOFING COMPOSITIONS FOR BUILDINGS. WILBUR GEORGE GREENLAY, Saugus, Mass.
Filed August 4, 1941. Serial No. 445,935. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,482. ROCK SALT USED FOR THE REMOVAL OF ICE FROM HIGHWAYS, SIDEWALKS, AND THE LIKE. INTERNATIONAL SALT COMPANY, INC., Scranton, Pa.
Filed August 4, 1941. Serial No. 445,943. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,483. CLOSET ACCESSORIES — NAMELY, CLOTHES HANGERS. BEN HUR PRODUCTS, INC., New York, N. Y.
Filed August 5, 1941. Serial No. 445,987. PUBLISHED DECEMBER 16, 1941. Class 50.

393,484. GENERAL HOUSEHOLD CLEANSER FOR WASHING DISHES, GLASSWARE, FURNITURE, WOODWORK, FIXTURES, WINDOWS AND TILE, AND ALSO HAVING WATER SOFTENING AND BLUING PROPERTIES. BLUE DEW CORPORATION, Buffalo, N. Y.
Filed August 7, 1941. Serial No. 446,040. PUBLISHED DECEMBER 2, 1941. Class 4.

393,485. CHARCOAL. CHARCOAL INDUSTRIES, INC., Monroe, La.
Filed August 14, 1941. Serial No. 446,227. PUBLISHED DECEMBER 16, 1941. Class 1.

393,486. GAS LIFT FLOW VALVES, GAS LINE REGULATORS AND SURFACE INTERMITTING REGULATORS. OIL LIFT SUPPLY COMPANY, Greggton, Tex.
Filed August 14, 1941. Serial No. 446,238. PUBLISHED DECEMBER 16, 1941. Class 13.

393,487. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, BEADS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. DUPUIS PROCESS, INC., New York, N. Y.
Filed August 16, 1941. Serial No. 446,290. PUBLISHED DECEMBER 9, 1941. Class 28.

393,488. PADS USED TO PLAY THE GAME OF BINGO. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed August 16, 1941. Serial No. 446,298. PUBLISHED DECEMBER 16, 1941. Class 22.

393,489. PADS USED TO PLAY THE GAME OF BINGO. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed August 16, 1941. Serial No. 446,299. PUBLISHED DECEMBER 16, 1941. Class 22.

393,490. DAILY NEWSPAPER. THE NEWSPAPER PM, INC., New York, N. Y., assignor to Marshall Field, Lloyd's Neck, N. Y.
Filed August 16, 1941. Serial No. 446,301. PUBLISHED DECEMBER 9, 1941. Class 38.

393,491. DISTILLED SPIRITS, PARTICULARLY RUM. GEORGE BENZ SONS, INC., St. Paul, Minn.
Filed August 18, 1941. Serial No. 446,313. PUBLISHED DECEMBER 2, 1941. Class 49.

393,492. MASCARA, EYEBROW PENCILS, EYE SHADOW, EYELASH AND EYEBROW CREAM. EYE DROPS. MAYBELLINE CO., Chicago, Ill.
Filed August 18, 1941. Serial No. 446,328. PUBLISHED DECEMBER 2, 1941. Class 6.

393,493. METALLIC PLASTIC MENDING AND PATCHING COMPOSITION IN THE NATURE OF SOLDER. THE PERFECT MANUFACTURING CO., doing business as So-Lo Works, Cincinnati, Ohio.
Filed August 18, 1941. Serial No. 446,334. PUBLISHED DECEMBER 9, 1941. Class 14.

393,494. HAIR TREATING PREPARATIONS, INCLUDING HAIR WASHING ARTICLES, HAIR OILS, OIL SHAMPOO TINTS, AND HAIR DYES. SALES AFFILIATES, INC., New York, N. Y.
Filed August 21, 1941. Serial No. 446,439. PUBLISHED DECEMBER 2, 1941. Class 6.

393,495. WINES. SEBASTIANI WINERIES, INC., New York, N. Y.
Filed August 22, 1941. Serial No. 446,467. PUBLISHED NOVEMBER 18, 1941. Class 47.

393,496. INTESTINAL LUBRICANT AND LAXATIVE. ABBOTT LABORATORIES, North Chicago, Ill.
Filed August 23, 1941. Serial No. 446,476. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,497. FRESH VEGETABLES. JAMES T. HIROTO, doing business as I. Hiroto & Son, Coachella, Calif.
Filed August 23, 1941. Serial No. 446,498. PUBLISHED DECEMBER 9, 1941. Class 46.

393,498. GARMENT HANGERS. ALBERT F. ISAAK, Cedar Falls, Iowa.
Filed August 25, 1941. Serial No. 446,520. PUBLISHED DECEMBER 9, 1941. Class 50.

393,499. PUBLICATION ISSUED QUARTERLY RELATING TO MATTERS OF INTEREST IN TELEVISION PROGRAMS. TELECAST PRODUCTIONS, INC., New York, N. Y.
Filed August 25, 1941. Serial No. 446,537. PUBLISHED NOVEMBER 18, 1941. Class 38.

393,500. NECKLACES. J. A. DEKNATEL & SON, Queens Village, N. Y.
Filed August 26, 1941. Serial No. 446,539. PUBLISHED DECEMBER 16, 1941. Class 28.

393,501. MEN'S SUITS, OVERCOATS, SPORT AND TOP COATS, FULL DRESS SUITS, AND TUXEDOS. ROSENTHAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed August 27, 1941. Serial No. 446,592. PUBLISHED DECEMBER 9, 1941. Class 39.

393,502. ALKALINE IN POWDERED FORM FOR NEUTRALIZING CREAM FOR USE IN MAKING BUTTER. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 28, 1941. Serial No. 446,617. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,503. HEADACHE AND OTHER PAIN RELIEF TABLET. WALTER S. WOLFF, Harrison, N. Y.
Filed August 28, 1941. Serial No. 446,642. PUBLISHED DECEMBER 2, 1941. Class 6.

393,504. LIQUID HYDROCARBON SOLVENTS APPLICABLE TO SUCH SOLVENT USES AS DRY CLEANING, EXTRACTION OF FATS AND OILS, ETC. THE NEVILLE COMPANY, Pittsburgh and Neville Island, Pa.
Filed August 29, 1941. Serial No. 446,661. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,505. ALLOYS—NAMELY, NICKEL, NICKEL-CHROME, MANGANESE, SILICON ALLOYED WITH METALS, MOLYBDENUM, ETC. AMERICAN NICKEL ALLOY MANUFACTURING CORP., New York, N. Y.
Filed August 30, 1941. Serial No. 446,684. PUBLISHED NOVEMBER 25, 1941. Class 14.

393,506. RAW, DRESSED, AND/OR DYED AND/OR BLENDED FUR SKINS. WILLIAM CUTTNER, New York, N. Y.
Filed August 30, 1941. Serial No. 446,691. PUBLISHED DECEMBER 9, 1941. Class 1.

393,507. CARTOON PANEL IN A DAILY NEWSPAPER. THE NEWSPAPER PM, INC., New York, N. Y., assignor to Marshall Field, Lloyd's Neck, N. Y.
Filed August 30, 1941. Serial No. 446,706. PUBLISHED NOVEMBER 25, 1941. Class 38.

393,508. MEN'S AND BOYS' SHIRTS, PANTS, AND SLACK SUIT COMBINATIONS. THOMSON COMPANY, Thomson, Ga.
Filed August 30, 1941. Serial No. 446,711. PUBLISHED DECEMBER 2, 1941. Class 39.

393,509. HAIR DRESSING POMADES. RELCO DRUG CO., INC., Brooklyn, N. Y.
Filed September 3, 1941. Serial No. 446,761. PUBLISHED DECEMBER 9, 1941. Class 6.

393,510. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SAME—NAMELY, APPLE JUICE, AND APPLE CONCENTRATES. NATIONAL GRAPE CORPORATION, New York and Brocton, N. Y.
Filed September 5, 1941. Serial No. 446,807. PUBLISHED NOVEMBER 25, 1941. Class 45.

393,511. POWDERS ADAPTED FOR APPLICATION TO THE HUMAN BODY INCLUDING FACE POWDERS, BODY POWDERS AND TALCUM POWDERS, TOILET WATERS, COLOGNES, AND SACHETS. JEAN VIVAUDOU CO., INC., New York, N. Y.
Filed September 5, 1941. Serial No. 446,821. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,512. CARBONATED BEVERAGES SOLD AS SOFT DRINKS. GOOD NEWS BEVERAGE CO., St. Louis, Mo.
Filed September 6, 1941. Serial No. 446,836. PUBLISHED NOVEMBER 25, 1941. Class 45.

393,513. COMIC MAGAZINE. U. S. A. COMIC MAGAZINE CORP., New York, N. Y.
Filed September 6, 1941. Serial No. 446,848. PUBLISHED NOVEMBER 25, 1941. Class 38.

393,514. RUBBING STIMULANT PREPARATION. DANIEL J. LYONS, St. Louis, Mo.
Filed September 8, 1941. Serial No. 446,883. PUBLISHED DECEMBER 2, 1941. Class 6.

393,515. CARBONATED BEVERAGES SOLD AS SOFT DRINKS. DRINK-MOR BEVERAGE COMPANY, Wilkes-Barre, Pa.
Filed September 9, 1941. Serial No. 446,909. PUBLISHED NOVEMBER 25, 1941. Class 45.

393,516. ALE. FALLS CITY BREWING COMPANY, Louisville, Ky.
Filed September 9, 1941. Serial No. 446,911. PUBLISHED NOVEMBER 25, 1941. Class 48.

393,517. ARTIFICIAL LEATHER UPHOLSTERY MATERIAL. SEAMAN PAPER COMPANY, Chicago, Ill.
Filed September 13, 1941. Serial No. 447,033. PUBLISHED DECEMBER 16, 1941. Class 50.

393,518. FOUNTAIN SYRUPS FOR USE IN FLAVORING NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo.
Filed September 15, 1941. Serial No. 447,041. PUBLISHED NOVEMBER 25, 1941. Class 45.

393,519. PREPARATION FOR THE PREVENTION AND TREATMENT OF FLUKES FOR SHEEP, CATTLE, HORSES, GOATS. METOL CO. INC., Brooklyn, N. Y.
Filed September 16, 1941. Serial No. 447,070. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,520. SYNTHETIC PLASTIC ADHESIVE IN STICK FORM USED FOR REPAIRING OF FURNITURE. LOUIS C. WOLFSON, New York, N. Y.
Filed September 16, 1941. Serial No. 447,087. PUBLISHED DECEMBER 16, 1941. Class 5.

393,521. CORN SYRUP AND CORNSTARCH. THE HUBINGER COMPANY, Keokuk, Iowa.
Filed September 18, 1941. Serial No. 447,137. PUBLISHED DECEMBER 9, 1941. Class 46.

393,522. MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF PIN-WORMS. DR. D. JAYNE & SON, INC., Philadelphia, Pa.
Filed September 18, 1941. Serial No. 447,139. PUBLISHED DECEMBER 9, 1941. Class 6.

393,523. CHEMICAL PREPARATION FOR IGNITION WATERPROOFING. EDGAR K. VAN EMAN, doing business as Edgar K. Van Eman Co., Tulsa, Okla.
Filed September 3, 1941. Serial No. 447,174. PUBLISHED DECEMBER 9, 1941. Class 6.

393,524. SEED CORN, AND PARTICULARLY FOR HYBRID SEED CORN. ALBERT A. ARENS, Hartington, Nebr.
Filed September 20, 1941. Serial No. 447,198. PUBLISHED DECEMBER 16, 1941. Class 1.

393,525. BICYCLES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 20, 1941. Serial No. 447,206. PUBLISHED DECEMBER 9, 1941. Class 19.

393,526. MEN'S AND WOMEN'S PAJAMAS AND NIGHTGOWNS AND NIGHT SHIRTS. KAYLON, INC., New York, N. Y.
Filed September 20, 1941. Serial No. 447,210. PUBLISHED DECEMBER 2, 1941. Class 39.

393,527. INSTRUCTION SHEETS AND RELATED MATTER ISSUED FROM TIME TO TIME. THE AVIATION INSTITUTE OF DENVER, INC., Denver, Colo.
Filed September 22, 1941. Serial No. 447,223. PUBLISHED DECEMBER 9, 1941. Class 38.

393,528. DRAFTING MATERIAL AND SUPPLIES FOR THE PRODUCTION OF DRAWINGS—NAMELY, FABRIC SHEETS FOR DRAFTING PURPOSES AND DRAWING PAPER. EUGENE DIETZGEN CO., Chicago, Ill.
Filed September 22, 1941. Serial No. 447,230. PUBLISHED DECEMBER 16, 1941. Class 37.

393,529. COSTUME JEWELRY. GEORGE J. HECHT, doing business as Children's Products Company, New York, N. Y.
Filed September 22, 1941. Serial No. 447,235. PUBLISHED DECEMBER 9, 1941. Class 28.

393,530. GAME BOARDS OF THE TYPE IN WHICH THE GAME IS PLAYED WITH MOVABLE PIECES WHOSE MOVEMENTS AND POSITIONS ARE DETERMINED BY THE DRAWING OF CARDS. KARL SAKS, doing business as Karl Saks and Associates, Chicago, Ill.
Filed September 22, 1941. Serial No. 447,253. PUBLISHED DECEMBER 9, 1941. Class 22.

393,531. HOBNAILS, SHOE SPIKES, AND SHOE CALKS. THE NORTH & PFEIFFER MANUFACTURING CO., Hartford, Conn., and Providence, R. I.
Filed September 23, 1941. Serial No. 447,269. PUBLISHED DECEMBER 9, 1941. Class 13.

393,532. FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, AND LOCKETS. GOODMAN AND COMPANY, Indianapolis, Ind.
Filed September 24, 1941. Serial No. 447,287. PUBLISHED DECEMBER 16, 1941. Class 28.

393,533. RUBBER CEMENT, GASKET AND RIM CEMENT, RUBBER PUTTY, RUBBER TO METAL CEMENT, AUTOMOBILE TOP SEAL CEMENT, TIRE DOUGH COMPRISING A PLASTIC RUBBER FOR REPAIRING CUTS IN PNEUMATIC TIRES, BELT SPLICING CEMENT. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 24, 1941. Serial No. 447,289. PUBLISHED DECEMBER 9, 1941. Class 5.

393,534. CORN SYRUP. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed September 24, 1941. Serial No. 447,295. PUBLISHED DECEMBER 9, 1941. Class 46.

393,535. LAMINATED WRAPPERS. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio.
Filed September 25, 1941. Serial No. 447,314. PUBLISHED DECEMBER 16, 1941. Class 37.

393,536. DECK PAINTS IN READY-MIXED FORM. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y.
Filed September 26, 1941. Serial No. 447,334. PUBLISHED DECEMBER 9, 1941. Class 16.

393,537. FACE POWDERS, FACIAL CREAMS, ROUGES, AND LIPSTICKS, PERFUMES, AND TOILET WATER. NEW YORK MAKE-UP CORPORATION, New York, N. Y.
Filed September 26, 1941. Serial No. 447,344. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,538. FACE POWDERS, FACIAL CREAMS, ROUGES, AND LIPSTICKS, PERFUMES, AND TOILET WATER. NEW YORK MAKE-UP CORPORATION, New York, N. Y.
Filed September 26, 1941. Serial No. 447,345. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,539. LADIES' UNDERGARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, SLIPS, AND ENSEMBLES CONSISTING OF NIGHTGOWNS AND PAJAMAS SOLD TOGETHER WITH BED JACKETS OR COATS. MAX GUSSOW, INC., New York, N. Y.
Filed September 27, 1941. Serial No. 447,375. PUBLISHED DECEMBER 9, 1941. Class 39.

393,540. HEARING-AID DEVICES OR INSTRUMENTS. OTARION, INC., Chicago, Ill.
Filed September 27, 1941. Serial No. 447,378. PUBLISHED DECEMBER 9, 1941. Class 44.

393,541. DRESS SHIRTS AND SPORT SHIRTS. FREEDMAN-ROEDELHEIM COMPANY, Philadelphia, Pa.
Filed September 29, 1941. Serial No. 447,392. PUBLISHED DECEMBER 2, 1941. Class 39.

393,542. LADIES' AND MISSES' SLIPS, PETTICOATS, AND NIGHTGOWNS. VICTOR BROWN UNDIES, INC., New York, N. Y.
Filed September 30, 1941. Serial No. 447,426. PUBLISHED DECEMBER 9, 1941. Class 39.

393,543. EGGS. DIAMOND EGG CLUB, INC., Georgetown, Del.
Filed September 30, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 447,433. PUBLISHED DECEMBER 9, 1941. Class 46.

393,544. CHEMICALLY TREATED PADS FOR TREATMENT OF CHIGGERS, MOSQUITOES, AND OTHER INSECT BITES, AND AS AN INSECT REPELLANT. M. C. LABORATORIES, INC., Coffeyville, Kans.
Filed September 30, 1941. Serial No. 447,444. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,545. WOMEN'S, MISSES', JUNIOR MISSES', AND CHILDREN'S OUTER GARMENTS—NAMELY, ONE- AND TWO-PIECE DRESSES, BLOUSES, AND SKIRTS, ETC. PERFECT GARMENT COMPANY, Baltimore, Md.
Filed September 30, 1941. Serial No. 447,445. PUBLISHED DECEMBER 9, 1941. Class 39.

393,546. VITAMINS IN CAPSULE AND TABLET FORM. PURITY DRUG CO., INC., Passaic, N. J., also doing business as Purity Vitamin Company, New York, N. Y.
Filed September 30, 1941. Serial No. 447,446. PUBLISHED DECEMBER 9, 1941. Class 6.

393,547. FINGER RINGS. MORRIS RIKLES, New York, N. Y.
Filed September 30, 1941. Serial No. 447,448. PUBLISHED DECEMBER 16, 1941. Class 28.

393,548. LAXATIVE, ANTIPYRETIC, AND ANALGESIC PREPARATION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed October 1, 1941. Serial No. 447,465. PUBLISHED DECEMBER 2, 1941. Class 6.

393,549. ROOT BEER, SYRUP USED IN MAKING ROOT BEER, SOFT DRINKS, SYRUPS AND EXTRACTS USED IN MAKING SOFT DRINKS, AND CONCENTRATED SODA FOUNTAIN SYRUPS. RICHARDSON CORPORATION, Rochester, N. Y.
Filed October 2, 1941. Serial No. 447,489. PUBLISHED NOVEMBER 25, 1941. Class 45.

393,550. TABLE SYRUP. THE SOUTH COAST CORPORATION, New Orleans, La.
Filed October 2, 1941. Serial No. 447,493. PUBLISHED DECEMBER 9, 1941. Class 46.

393,551. FERMENTED BEVERAGE BREWED FROM MALT AND OTHER CEREALS AND HOPS. STEGMAIER BREWING COMPANY, Wilkes-Barre, Pa.
Filed October 2, 1941. Serial No. 447,497. PUBLISHED DECEMBER 2, 1941. Class 48.

393,552. FERMENTED BEVERAGE BREWED FROM MALT AND OTHER CEREALS AND HOPS. STEGMAIER BREWING COMPANY, Wilkes-Barre, Pa.
Filed October 2, 1941. Serial No. 447,498. PUBLISHED DECEMBER 9, 1941. Class 48.

393,553. PAPER AND MORE PARTICULARLY A FLEXIBLE CORRUGATED WRAPPING PAPER FOR WRAPPING SHEET METAL PARTS. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass.
Filed October 4, 1941. Serial No. 447,548. PUBLISHED DECEMBER 16, 1941. Class 37.

393,554. SULFATHIAZOLE OINTMENT. HART DRUG CORPORATION, Miami, Fla.
Filed October 6, 1941. Serial No. 447,566. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,555. MEN'S AND BOYS' SWEATERS. REVERE KNITTING MILLS, INC., Malden, Mass.
Filed October 6, 1941. Serial No. 447,574. PUBLISHED DECEMBER 9, 1941. Class 39.

393,556. NEWSPAPER COLUMN OF SPECIAL INTEREST PUBLISHED PERIODICALLY. NANCY SASSER, New York, N. Y., assignor to Nancy Sasser, Incorporated, New York, N. Y., a corporation of New York.
Filed October 6, 1941. Serial No. 447,576. PUBLISHED DECEMBER 9, 1941. Class 38.

393,557. NOTEBOOKS, MEMORANDUM BOOKS, AND REFILLS THEREFOR. WILSON-JONES COMPANY, Chicago, Ill.
Filed October 6, 1941. Serial No. 447,578. PUBLISHED DECEMBER 16, 1941. Class 37.

393,558. WOMEN'S CLOTH COATS. METRO COAT & SUIT CO., INC., New York, N. Y.
Filed October 7, 1941. Serial No. 447,596. PUBLISHED DECEMBER 9, 1941. Class 39.

393,559. WINES. LORENZO ZERILLO, doing business as Riverbank Wine Company, Riverbank, Calif.
Filed October 7, 1941. Serial No. 447,603. PUBLISHED DECEMBER 2, 1941. Class 47.

393,560. SMOKE ELIMINATORS. FUEL SAVER CORPORATION, Chicago, Ill.
Filed October 9, 1941. Serial No. 447,633. PUBLISHED DECEMBER 9, 1941. Class 34.

393,561. POWER DRIVEN AIR HUMIDIFYING UNITS, AND POWER DRIVEN WATER VAPORIZING UNITS FOR EVAPORATIVE AIR CONDITIONING SYSTEMS. LITTLE GIANT VAPORIZER COMPANY, Oklahoma City, Okla.
Filed October 9, 1941. Serial No. 447,635. PUBLISHED DECEMBER 16, 1941. Class 34.

393,562. INSECTICIDES. MOLITOR DRUG COMPANY, St. Cloud, Minn.
Filed October 10, 1941. Serial No. 447,665. PUBLISHED DECEMBER 9, 1941. Class 6.

393,563. WINES. SCHENLEY IMPORT CORPORATION, New York, N. Y.
Filed October 10, 1941. Serial No. 447,673. PUBLISHED DECEMBER 2, 1941. Class 47.

393,564. MEN'S SUMMERWEIGHT SUITS. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y.
Filed October 11, 1941. Serial No. 447,714. PUBLISHED DECEMBER 9, 1941. Class 39.

393,565. VITAMIN PREPARATION IN CAPSULE FORM. NORSAL LABORATORIES INCORPORATED, Abbeville, La.
Filed October 13, 1941. Serial No. 447,757. PUBLISHED DECEMBER 2, 1941. Class 6.

393,566. TOYS—NAMELY, DIMINUTIVE HOUSEHOLD ARTICLES. NORTHWESTERN MAIL BOX CO., St. Louis, Mo.
Filed October 13, 1941. Serial No. 447,758. PUBLISHED DECEMBER 9, 1941. Class 22.

393,567. RUG SHAMPOO. TANDY W. PIATT, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,762. PUBLISHED DECEMBER 2, 1941. Class 4.

393,568. FIRE EXTINGUISHING MATERIAL IN POWDERED OR GRANULAR FORM. THE UNITED STATES GRAPHITE COMPANY, Saginaw, Mich.
Filed October 13, 1941. Serial No. 447,773. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,569. DEPILATORY COMPOUND. THE DAWSON COMPANY OF ILLINOIS, Chicago, Ill.
Filed October 15, 1941. Serial No. 447,797. PUBLISHED DECEMBER 2, 1941. Class 6.

393,570. CHEMICAL COMPOUNDS FOR USE AS FRUIT SPRAYS TO PREVENT THE PREMATURE DROP OF FRUIT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed October 15, 1941. Serial No. 447,800. PUBLISHED DECEMBER 2, 1941. Class 6.

393,571. SCOURING CLEANSER. JEWEL TEA CO., INC., also doing business as Jewel Food Stores, Chicago, Ill. Filed October 15, 1941. Serial No. 447,809. PUBLISHED DECEMBER 2, 1941. Class 4.

393,572. VARIOUS DRUGS AND PHARMACEUTICALS FOR HUMAN USE, SUCH PRODUCTS BEING IN THE FORM OF THE USUAL PREPARATIONS FOR ORAL OR PARENTERAL ADMINISTRATION, ETC. THE LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed October 15, 1941. Serial No. 447,812. PUBLISHED DECEMBER 2, 1941. Class 6.

393,573. CEREAL BREAKFAST FOOD, PARTICULARLY A READY-TO-EAT PUFFED CEREAL COMPOSED PRINCIPALLY OF OAT FLOUR (GROUND ROLLED OATS). GENERAL MILLS, INC., Minneapolis, Minn. Filed October 16, 1941. Serial No. 447,842. PUBLISHED DECEMBER 9, 1941. Class 46.

393,574. ANALGESIC TABLETS. WHITEHALL PHARMACAL, INC., Jersey City, N. J. Filed October 16, 1941. Serial No. 447,855. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,575. PREPARATION OF CALCIUM PANTOTHENATE FOR VITAMIN THERAPY. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed October 16, 1941. Serial No. 447,858. PUBLISHED NOVEMBER 25, 1941. Class 6.

393,576. MEDICINAL PREPARATIONS FOR EXTERNAL APPLICATION IN THE RELIEF OF DISCOMFORT IN MINOR SKIN, RECTAL, AND VAGINAL IRRITATIONS. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed October 17, 1941. Serial No. 447,888. PUBLISHED DECEMBER 2, 1941. Class 6.

393,577. VETERINARY VERMIFUGE. PRATT FOOD COMPANY, Philadelphia, Pa. Filed October 18, 1941. Serial No. 447,916. PUBLISHED DECEMBER 2, 1941. Class 6.

393,578. ACETYLENE AND OXYGEN GAS, ALSO NITROUS OXIDE GAS, HYDROGEN GAS, ETHYLENE GAS, CARBON DIOXIDE GAS. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed October 20, 1941. Serial No. 447,948. PUBLISHED DECEMBER 2, 1941. Class 6.

3993,579. HOLDING POWDER FOR DENTAL PLATES. THE J. BIRD MOYER COMPANY, INC., Philadelphia, Pa. Filed October 20, 1941. Serial No. 447,949. PUBLISHED DECEMBER 2, 1941. Class 6.

393,580. MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS IN CALCIUM AND PHOSPHORUS METABOLISM. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed October 20, 1941. Serial No. 447,963. PUBLISHED DECEMBER 2, 1941. Class 6.

393,581. COMBINATION WALLETS AND CHANGE PURSES. MARIONESS & Co., INC., New York, N. Y. Filed October 21, 1941. Serial No. 447,984. PUBLISHED DECEMBER 16, 1941. Class 3.

393,582. CUTICLE CREAM. ETHEL TORBENSEN, Cleveland, Ohio. Filed October 22, 1941. Serial No. 448,018. PUBLISHED DECEMBER 2, 1941. Class 6.

393,583. SKIN OINTMENT. A. & A. GORGA, INC., New York, N. Y. Filed October 23, 1941. Serial No. 448,047. PUBLISHED DECEMBER 2, 1941. Class 6.

393,584. STORAGE CABINETS. STOR-AID, INC., New York, N. Y. Filed October 23, 1941. Serial No. 448,066. PUBLISHED DECEMBER 16, 1941. Class 32.

393,585. PERFUME AND TOILET WATER. CHARLES OF THE RITZ, INC., New York, N. Y. Filed October 24, 1941. Serial No. 448,073. PUBLISHED DECEMBER 9, 1941. Class 6.

393,586. PREPARATION FOR THE TREATMENT AND CONTROL OF ROUND WORMS IN POULTRY AND TONIC FOR INCREASING THE APPETITE OF SAID POULTRY INCLUDING CHICKENS, TURKEYS, GEESE, AND DUCKS. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,097. PUBLISHED DECEMBER 9, 1941. Class 6.

393,587. PREPARATION FOR INJECTING INTO THE RECTUM OF POULTRY, INCLUDING CHICKENS, DUCKS, GEESE, AND TURKEYS FOR TREATMENT OF PARASITES WHICH INVADE THE LOWER PORTION OF THE BOWELS OF SAID POULTRY. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,098. PUBLISHED DECEMBER 9, 1941. Class 6.

393,588. PREPARATION FOR THE TREATMENT OF INFLAMED CONDITIONS OF THE INTESTINAL TRACT IN POULTRY, INCLUDING CHICKENS, GEESE, TURKEYS, AND DUCKS. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,099. PUBLISHED DECEMBER 9, 1941. Class 6.

393,589. ANTISEPTIC PREPARATION FOR THE DRINKING WATER OF POULTRY, INCLUDING CHICKENS, DUCKS, GEESE, AND TURKEYS. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,100. PUBLISHED DECEMBER 9, 1941. Class 6.

393,590. PREPARATION IN CAPSULE FORM FOR THE TREATMENT AND REMOVAL OF COMMON TYPES OF INTESTINAL WORMS WHICH INFEST POULTRY INCLUDING CHICKENS, DUCKS, GEESE, AND TURKEYS. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,101. PUBLISHED DECEMBER 9, 1941. Class 6.

393,591. PREPARATION FOR THE TREATMENT OF NASAL TYPES OF COLDS IN POULTRY, INCLUDING CHICKENS, DUCKS, GEESE, AND TURKEYS. THE GLAND-O-LAC CO., Omaha, Nebr. Filed October 25, 1941. Serial No. 448,102. PUBLISHED DECEMBER 9, 1941. Class 6.

393,592. MEDICINAL PREPARATIONS INDICATED FOR USE AS A GENERAL TONIC, HEPATIC STIMULANT, AND TO AUGMENT THE QUANTITY AND ENRICH THE QUALITY OF THE BLOOD. THE KNOX COMPANY, Los Angeles, Calif. Filed October 25, 1941. Serial No. 448,103. PUBLISHED DECEMBER 2, 1941. Class 6.

393,593. TEXTILE COLORS. ARIDYE CORPORATION, Fair Lawn, N. J. Filed October 27, 1941. Serial No. 448,126. PUBLISHED DECEMBER 2, 1941. Class 6.

393,594. PILLOWS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed November 1, 1941. Serial No. 448,333. PUBLISHED DECEMBER 9, 1941. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

393,595. (CLASS 38. PRINTS AND PUBLICATIONS.) BIGELOW PRESS, INC., St. Paul, Minn. Filed May 28, 1938. Serial No. 406,855.

Art in Advertising

FOR WALL CALENDARS.
Claims use since Mar. 1, 1923.

393,596. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JULIA C. GRAY, Washington, D. C. Filed Mar. 30, 1940. Serial No. 430,181.

Virginia Dare

FOR DOLL.
Claims use since Mar. 30, 1940.

393,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLORIA KAY, doing business as Kayden Sales Co., Youngstown, Ohio. Filed Apr. 18, 1940. Serial No. 430,916.

DIP-N-DRY

FOR PREPARATION IN POWDER FORM AND TO BE DISSOLVED IN WATER FOR USE AS A DIP OR RINSE FOR LADIES' HOSIERY AND LADIES' UNDERWEAR.
Claims use since Nov. 15, 1935.

393,598. (CLASS 43. THREAD AND YARN.) ATLANTIC RAYON CORPORATION, Providence, R. I. Filed May 3, 1940. Serial No. 431,514.

ATLAN

FOR YARN MADE WHOLLY OR IN PART OF ANIMAL, VEGETABLE, ARTIFICIAL, AND SYNTHETIC FIBERS.
Claims use since Apr. 12, 1940.

393,599. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH P. KNIPP, Long Beach, Calif. Filed June 29, 1940. Serial No. 433,533.

SERVICE SIGNAL

FOR SIGNALLING APPLIANCES.
Claims use since Apr. 2, 1939.

393,600. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL PLASTICS, INC., Cleveland, Ohio. Filed July 29, 1940. Serial No. 434,456.

GLO-PLATE

FOR ESCUTCHEONS FOR ELECTRICAL SWITCHES.
Claims use since Mar. 29, 1940.

393,601. (CLASS 38. PRINTS AND PUBLICATIONS.) FERGUSON-SHERMAN MANUFACTURING CORPORATION, Dearborn, Mich. Filed Aug. 26, 1940. Serial No. 435,389.

Farming Today

FOR A PUBLICATION, NAMELY, UPON A CONSUMER HOUSE ORGAN PUBLISHED QUARTERLY AND COMPRISING ILLUSTRATED ARTICLES ON FARMING AND MATTERS PRIMARILY OF INTEREST TO FARMERS.
Claims use since Aug. 9, 1940.

393,602. (CLASS 17. TOBACCO PRODUCTS.) HED KLEER TOBACCO CO. INC., Buffalo, N. Y. Filed Sept. 10, 1940. Serial No. 435,845.

HED KLEER

FOR CIGARETTES.
Claims use since Aug. 1, 1940.

393,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLUCKSTERN'S, INC., New York, N. Y. Filed Sept. 20, 1940. Serial No. 436,175.



FOR SOUP ALMONDS MADE OF DOUGH.
Claims use since Aug. 25, 1940.

393,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LERMAN BROTHERS, Washington, D. C. Filed Nov. 8, 1940. Serial No. 437,685.

Frostee

FOR CANNED AND PACKAGED FROZEN FOOD PRODUCTS—NAMELY, FRUITS, VEGETABLES, FISH, AND SHELLFISH.
Claims use since Oct. 30, 1940.

393,605. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RICH ART COLOR COMPANY, INC., New York, N. Y. Filed Nov. 20, 1940. Serial No. 438,087.

Chemically PERFECT COLORS

FOR ARTISTS' MATERIALS—NAMELY, ARTISTS' OIL COLORS, ARTISTS' WATER COLORS, AND READY-MIXED PAINTS, IN PASTE, SEMI-LIQUID, LIQUID, AND DRY FORM; FABRIC PAINTS; LACQUER, OIL AND WATER PAINTS WITH METALLIC BASE; OIL PAINT COLORS; OIL AND WATER PAINT COLOR SETS; PAINTING OILS, VARNISHES, AND MEDIUMS; COLORS IN STICK FORM USED DRY BY ARTISTS AND GENERALLY KNOWN AS PASTELS; COLORS FOR TINTING PHOTOGRAPHS; AND TEMPERA COLORS.
Claims use since 1932.

393,606. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FORDHAM TIRE CO., New York, N. Y. Filed Nov. 26, 1940. Serial No. 438,239.

Vanderbilt

FOR AUTOMOBILE BATTERIES.
Claims use since Oct. 1, 1940.

393,607. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NATHAN KAYE, New York, N. Y., assignor to J. F. Jelenko & Co. Inc., New York, N. Y., a corporation of New York. Filed Dec. 10, 1940. Serial No. 438,694.

Denturtest

FOR DENTAL IMPRESSION WAX.
Claims use since Apr. 1, 1939.

393,608. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE GREATER NEW YORK BREWERY, INC., New York, N. Y. Filed Dec. 20, 1940. Serial No. 439,046.

THE GREATER N.Y. BREWERY INC.

FOR BEER, ALE, AND PORTER.
Claims use since Dec. 12, 1940.

393,609. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DAVID J. EDWARDS, doing business as David J. Edwards Co., North Hollywood, Calif. Filed Jan. 2, 1941. Serial No. 439,335.

KAKE-IT U

FOR A NEUTRAL NON-TASTING CREAM USED FOR THE PURPOSE OF AGEING TOBACCO PIPES.
Claims use since Dec. 11, 1940.

393,610. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ARTHUR R. HAVENS, doing business as Safety Shield Mfg. Co., Fort Wayne, Ind. Filed Jan. 3, 1941. Serial No. 439,388.

INVISIBLE
SAFETY SHIELDS

FOR CELLOPHANE FROST SHIELDS FOR VEHICLE BODIES.
Claims use since Nov. 1, 1940.

393,611. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION FOOD PRODUCTS, INC., Brooklyn, N. Y. Filed Jan. 17, 1941. Serial No. 439,763.

SUSAN BAKER

FOR PEA SOUP.
Claims use since Dec. 9, 1940.

393,612. (CLASS 38. PRINTS AND PUBLICATIONS.) MUSICAL FAIRY TALES, INC., New York, N. Y. Filed Jan. 24, 1941. Serial No. 439,944.

MUSICAL FAIRY TALES

FOR BOOKS OF DRAMATICO-MUSICAL COMPOSITIONS.
Claims use since Dec. 6, 1940.

393,613. (CLASS 39. CLOTHING.) OXFORD DRESS COMPANY, Boston, Mass. Filed Jan. 27, 1941. Serial No. 440,018.

Toni Tailored JUNIORS

FOR WOMEN'S, MISSES', AND JUNIORS' DRESSES.
Claims use since Dec. 2, 1940.

393,614. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING CO., Philadelphia, Pa. Filed Feb. 4, 1941. Serial No. 440,291.

HYDROGEN H_2O_2 PEROXIDE

FOR HYDROGEN PEROXIDE.
Claims use since Dec. 24, 1940.

393,615. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Feb. 21, 1941. Serial No. 440,892.

Ladd's

FOR PIPES.
Claims use since Nov. 15, 1940.

393,616. (CLASS 17. TOBACCO PRODUCTS.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Feb. 21, 1941. Serial No. 440,893.

Ladd's

FOR CIGARETTES.
Claims use since Nov. 15, 1940.

393,617. (CLASS 38. PRINTS AND PUBLICATIONS.) TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed May 7, 1941. Serial No. 443,352.

MOVIE-RADIO GUIDE

FOR A WEEKLY MAGAZINE DEVOTED TO THE MOTION PICTURE AND RADIO BROADCASTING INDUSTRIES.
Claims use since Sept. 19, 1940.

393,618. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Aug. 2, 1941. Serial No. 445,886.

Sealed LUBRICATION

FOR APPARATUS FOR DISPENSING LUBRICATING GREASE, SAID APPARATUS BEING ARRANGED TO PUMP GREASE FROM FACTORY SEALED CONTAINERS TO MECHANISM TO BE LUBRICATED.
Claims use since April, 1940.

393,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES G. CARROLL, doing business as Charles Carroll Company, Kansas City, Mo. Filed Sept. 8, 1941. Serial No. 446,860.

KANSAS CITY STEAK

FOR FOOD SEASONING AND DRESSING IN THE NATURE OF A MEAT SAUCE OR SALAD DRESSING.
Claims use since August, 1940.

393,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANADA PACKERS INC., New York, N. Y. Filed Sept. 18, 1941. Serial No. 447,114.

CAN-PAK

FOR HAMS, LUNCHEON MEAT, PICNICS, PORK LOINS, AND PICKLES.
Claims use since Nov. 22, 1939.

393,621. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) FRANKLIN LINS DE ALBUQUERQUE, Salvador, Brazil. Filed Oct. 8, 1941. Serial No. 447,604.

FRANKLIN

FOR OURICURY WAX.
Claims use since February, 1939.

393,622. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt. Filed Oct. 31, 1941. Serial No. 448,284.

BAG BALM

FOR DILATORS USED TO PROMOTE THE CORRECT HEALING OF INJURED TEATS ON DAIRY COWS.

Claims use since Dec. 15, 1933.

393,623. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE WALTER T. KELLEY CO., Paducah and Lone Oak, Ky. Filed Nov. 14, 1941. Serial No. 448,643.

Kelley's Ripple Wired

FOR WIRED BEE-COMB FOUNDATIONS.

Claims use since July 15, 1939.

393,624. (CLASS 37. PAPER AND STATIONERY.) THE MUNISING PAPER COMPANY, Munising, Mich., and Chicago, Ill. Filed Nov. 17, 1941. Serial No. 448,701.

SEALTITE

FOR WRAPPING PAPER, CONSISTING OF AN ASPHALT SHEET ON EITHER SIDE OF WHICH HAS BEEN LAMINATED A REGULAR KRAFT WRAPPING PAPER, WHICH IS USED TO WRAP ALL KINDS OF PAPER.

Claims use since Sept. 25, 1940.

393,625. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 2, 1941. Serial No. 449,112.

WINTHROP CHEMICAL COMPANY, INC.

FOR ABSORBENT, ALTERATIVE, AND ANALGESIC PREPARATIONS, ANESTHETICS, ANODYNES, ANTACID, ANTHELMINITIC, ANTIALLERGIC, ANTIANEMIC, ANTIARTHRITIC, ANTIBACTERIAL, ANTICATARRHAL, ANTIDOTAL, ANTIEPILEPTIC, ANTIGONORRHEAL, ANTILEPROUS, ANTILEUKORRHEAL, ANTIMALARIAL, ANTIPARASITIC, ANTIPSORIATIC, ANTIPYRETIC, AND ANTIRHEUMATIC PREPARATIONS, ANTISEPTICS, ANTITETANIC PREPARATIONS, ASTRINGENTS, CHEMOTHERAPEUTIC ANTIMONY COMPOUND, CHOLAGOGUES, DIGESTANT, DIURETIC, ENDOCRINE, AND EXPECTORANT PREPARATIONS, GOLD COMPOUND, HEMOSTATIC PREPARATIONS, HYPNOTICS, IODINE COMPOUNDS, LAXATIVE PREPARATIONS, LIPO-PROTEIN WITH EMETINE COMPOUND, NON-SPECIFIC IMMUNIZING AGENTS, NUTRIENT PREPARATIONS, RADIOPAQUE MEDIA, SALT SUBSTITUTE, SEDATIVES, TONICS, TRYPANOCIDES, URETERAL RELAXANTS, URINARY ANTISEPTICS, VASOCONSTRICTORS, VASODILATORS, VITAMINS AND VITAMIN PREPARATIONS, ANTIDYSENTERIC PREPARATIONS, AND SPIROCHETICIDES.

Claims use to alterative and analgesic preparations, anesthetics, anodynes, antianemic, antiarthritic, antidysenteric, antiepileptic, antigonorrheal, antiparasitic, antipsoriatic, and antirheumatic preparations, antiseptics, astringents, diuretic preparations, hypnotics, iodine compounds, laxative preparations, nutrient preparations, sedatives, tonics, urinary antiseptics, and vasodilators since 1919; to absorbent and anthelminitic preparations since 1920; to antileprous preparations since 1921; to anticatarrhal and expectorant preparations since 1923; to trypanocides since 1924; to antimalarial preparations and non-specific immunizing agents since 1925; to ureteral relaxants since 1927; to antacid preparations since 1928; to radiopaque media since 1930; to chemotherapeutic antimony compound, endocrine preparations, and salt substitute since 1932; to antipyretic preparations, hemostatic preparations, vasoconstrictors, and vitamins and vitamin preparations since 1934; to antidotal preparations, antileukorrheal preparations, cholagogues, gold compound, lipo-protein with emetine compound, and spirocheticides since 1935; to antiallergic, antibacterial, and digestant preparations since 1936; and to antitetanic preparations since April, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,538. **FLEXIFORT**. CARD CLOTH. Registered January 5, 1892. MECHANICAL FABRIC COMPANY, Providence, R. I. Re-renewed January 5, 1942. to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

20,632. **LAURUS**. UMBRELLAS, UMBRELLA RIBS, STRETCHERS, AND FRAMES OF METAL. Registered January 26, 1892. SAMUEL FOX & CO., LTD., Stockbridge, Sheffield, England, a British corporation. Re-renewed January 26, 1942.

149,001. **LICK-A-BRIK**. A MEDICATED SALT BRICK FOR LIVE STOCK. Registered December 6, 1921. BLACKMAN STOCK REMEDY CO. Renewed December 6, 1941, to Blackman Stock Medicine Co., Chattanooga, Tenn., a corporation of Tennessee, assignee.

149,548. **CALIFORNIA**. CERTAIN PLUMBING SUPPLIES. Registered December 13, 1921. WHITING-MEAD COMMERCIAL CO. Renewed December 13, 1941, to Whiting-Mead Company, Los Angeles, Calif., a corporation of California, assignee.

149,646. **VALOR**. GLOVES OF FABRIC AND OF LEATHER. Registered December 20, 1921. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed December 20, 1941.

149,990. **TRI-CCC**. CHEMICAL COMPOUNDS FOR CERTAIN NAMED USES. Registered December 27, 1921. CONTINENTAL CHEMICAL CORPORATION, assignee of Jas. H. Longshore, Watseka, Ill. Renewed December 27, 1941, to Continental Car-Na-Var Corporation, Brazil, Ind., a corporation of Indiana, assignee by mesne assignments.

150,027. **ANTHRENE**. DYES. Registered December 27, 1921. NEWPORT CHEMICAL WORKS, INCORPORATED, Passaic, N. J. Renewed December 27, 1941, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

150,383. **SURFALOX**. CERTAIN NAMED PAINT. Registered January 3, 1922. THE GOHEEN CORPORATION, Wilmington, Del., and Newark, N. J. Renewed January 3, 1942, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

150,453. **TOWLE'S WIGWAM**. SIRUPS FOR TABLE PURPOSES. Registered January 3, 1922. THE LOG CABIN PRODUCTS COMPANY, St. Paul, Minn. Renewed January 3, 1942, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee.

150,455. **LUDEN'S**. MENTHOL COUGH DROPS. Registered January 3, 1922. WILLIAM H. LUDEN. Renewed January 3, 1942, to Luden's, Inc., Reading, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

150,489. **NATIONAL COLORS**. DYESTUFFS, CERTIFIED FOOD COLORS AND INTERMEDIATES. Registered January 3, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed January 3, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, merger.

150,498 **REPRESENTATION OF AN OIL-DERRICK**. HAIR TONIC. Registered January 3, 1922. T. NOONAN & SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed January 3, 1942.

150,520. **CAREY**. CERTAIN NAMED CHEMICAL PREPARATIONS. Registered January 3, 1922. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,761. **CANTRELL & COCHRANE**. GINGER ALE, GINGER BEER, SARSAPARILLA, AND BOTTLED SODA WATER. Registered January 10, 1922. CANTRELL & COCHRANE, LIMITED, Dublin, Ireland. Renewed January 10, 1942, to Cantrell & Cochrane, Limited, Dublin and Belfast, Ireland, a corporation of the Irish Free State.

150,782. **VISUALIZED TYPING**. INSTRUCTION BOOKS AND CHARTS FOR TEACHING TYPEWRITING, PUBLISHED FROM TIME TO TIME. Registered January 10, 1922. CORONA TYPEWRITER COMPANY, INC., Groton, N. Y. Renewed January 10, 1942, to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York, assignee.

150,823. **WHITE OWL**. CIGARS. Registered January 10, 1922. GENERAL CIGAR CO., INC., New York, N. Y., a corporation of New York. Renewed January 10, 1942.

150,843. **SMILES**. A LAUNDRY AND CLOTHES-WASHING PREPARATION. Registered January 10, 1922. THE HEWITT BROS. SOAP COMPANY, Dayton, Ohio. Renewed January 10, 1942, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

150,986. **THOMPSON'S SPA**. CIGARS, CIGARETTES, AND PIPE AND CHEWING TOBACCO. Registered January 10, 1922. THOMPSON'S SPA. Renewed January 10, 1942, to Thompson's Spa, Inc., Boston, Mass., a corporation of Massachusetts, successor.

151,091. **WHITE MOUNTAIN**. WRITING AND PRINTING PAPER. Registered January 24, 1922. BROWN COMPANY, Portland, Maine. Renewed January 24, 1942, to Brown Company, Berlin, N. H., a corporation of Maine.

151,137. **PAINT ENGINEERS SINCE 1888**. CERTAIN NAMED PAINTS AND COLORS. Registered January 24, 1922. THE GOHEEN CORPORATION, Wilmington, Del., and Newark, N. J. Renewed January 24, 1942, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

151,185. **FRANKLIN**. CONCENTRATED LIQUID MALT EXTRACTS. Registered January 24, 1922. MALT-DIASTASE COMPANY, New York, N. Y. Renewed January 24, 1942, to Malt-Diastase Company, Brooklyn, N. Y., a corporation of New York.

151,231. **"DIAMOND EDGE IS A QUALITY PLEDGE"**. ICE SKATES. Registered January 24, 1922. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 24, 1942.

151,312. **"WEAR-EVER"**. DRY PAINT PIGMENTS. Registered January 31, 1922. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa., a corporation of Pennsylvania. Renewed January 31, 1942.

151,361. **STANDARD**. CERTAIN NAMED VARNISH, DRIERS, LACQUER, FILLER, ENAMEL, SHELLAC, AND FINISH. Registered January 31, 1922. STANDARD VARNISH WORKS, New York, N. Y. Renewed January 31, 1942, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York.

151,573. **PENETRO**. A MOUTH WASH. Registered February 7, 1922. PENETRO CHEMICAL COMPANY, Atlantic City, N. J., and Philadelphia, Pa. Renewed February 7, 1942, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

151,769. **FONDA**. EVAPORATED MILK. Registered February 14, 1922. GALLOWAY-WEST COMPANY, Fond Du Lac, Wis. Renewed February 14, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

151,959. **CAIALUNA**. VEGETABLE OIL AND MAYONNAISE AND SALAD OIL OF WHICH COTTONSEED OIL FORMS A COMPONENT PART. Registered February 14, 1922. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed February 14, 1942.

152,136. **PIDO**. WHEAT FLOUR. Registered February 21, 1922. COLLINS FLOUR MILLS, Pendleton, Oreg. Renewed February 21, 1942, to Collins Flour Mills, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,137. **OREGON MAID**. WHEAT FLOUR. Registered February 21, 1922. COLLINS FLOUR MILLS, Pendleton, Oreg. Renewed February 21, 1942, to Collins Flour Mills, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,138. **WHITE HONOR**. WHEAT FLOUR. Registered February 21, 1922. COLLINS FLOUR MILLS, Pendleton, Oreg. Renewed February 21, 1942, to Collins Flour Mills, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,361. **ICI-SET**. ICINGS, COATINGS, AND FROSTINGS. Registered February 28, 1922. BROWN COMPANY, Portland, Maine, and Berlin, N. H. Renewed February 28, 1942, to Brown Company, Berlin, N. H., a corporation of Maine.

152,372. **HIDO**. WHEAT FLOUR. Registered February 28, 1922. COLLINS FLOUR MILLS, Pendleton, Oreg. Renewed February 28, 1942, to Collins Flour Mills., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,444. **AMERICAN CROWN**. SOAP. Registered February 28, 1922. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed February 28, 1942, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

152,479. **CERTO**. CONCENTRATED FRUIT PECTIN. Registered February 28, 1922. PECTIN SALES CO., INC., Rochester, N. Y. Renewed February 28, 1942, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,494. **SILVER HORDE**. CANNED SALMON. Registered February 28, 1922. GEO. W. SANBORN & SONS, Astoria, Oreg. Renewed February 28, 1942, to Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada, assignee by mesne assignments.

152,677. **BAKER'S LEATHER OIL**. OILS FOR SOFTENING AND PRESERVING ALL KINDS OF LEATHER. Registered March 7, 1922. J. HARVE BAKER, Portales, N. Mex. Renewed March 7, 1942.

152,937. **CERTO (SUREJELL)**. CONCENTRATED FRUIT PECTIN. Registered March 7, 1922. PECTIN SALES CO., INC., Rochester, N. Y. Renewed March 7, 1942, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

152,952. **VICTRIX.** STEEL BILLETS, BARS, FORGINGS, AND DISKS. Registered March 7, 1922. POLDI STEEL CORPORATION OF AMERICA, New York, N. Y. Renewed March 7, 1942, to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia, an incorporated joint-stock company of Czechoslovakia, assignee.

153,124. **SEATANG.** CANNED SARDINES. Registered March 14, 1922. BOOTH FISHERIES COMPANY. Renewed March 14, 1942, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

153,403. **MATT-REST.** MATTRESSES FOR BEDS AND THE LIKE. Registered March 21, 1922. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y., a corporation of New York. Renewed March 21, 1942.

153,430. **PYREX.** GLASS BAKING WARE. Registered March 21, 1922. CORNING GLASS WORKS, Corning, N. Y., a corporation of New York. Renewed March 21, 1942.

153,677. **NEOSAN.** SALVE FOR CERTAIN NAMED PURPOSES. Registered March 28, 1922. JUAN CANALES, Findlay, Ohio. Renewed March 28, 1942, to Juan Canales, Newark, N. J.

153,706. **EAGLE.** PADLOCKS. Registered March 28, 1922. EAGLE LOCK CO., Terryville, Conn., a corporation of Connecticut. Renewed March 28, 1942.

153,707. **EAGLE.** PADLOCKS. Registered March 28, 1922. EAGLE LOCK CO., Terryville, Conn., a corporation of Connecticut. Renewed March 28, 1942.

153,708. **E.** WOOD SCREWS. Registered March 28, 1922. EAGLE LOCK CO., Terryville, Conn., a corporation of Connecticut. Renewed March 28, 1942.

153,727. **DYCKETTS.** CIGARS. Registered March 28, 1922. GENERAL CIGAR CO., INC., New York, N. Y., a corporation of New York. Renewed March 28, 1942.

153,984. **CANTRELL & COCHRANE'S.** GINGER ALE. Registered April 4, 1922. CANTRELL & COCHRANE, LIMITED, Dublin, Ireland. Renewed April 4, 1942, to Cantrell & Cockrane, Limited, Dublin and Belfast, Ireland, a corporation of the Irish Free State.

154,379. **NOBLE LADY.** HAIR NETS. Registered April 11, 1922. SAMSTAG & HILDER BROS. Renewed April 11, 1942, to S. H. Kress and Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

154,495. **PEACOCK.** LEATHER AND CLOTH SHOES. Registered April 18, 1922. BOYD-WELSH SHOE COMPANY. Renewed April 18, 1942, to Boyd-Welsh, Incorporated, St. Louis, Mo., a corporation of Missouri, assignee.

154,737. **SEVEN POINT HOSE.** HOSIERY. Registered April 18, 1922. WHITEHEAD HOSIERY MILLS, INC. Renewed April 18, 1942, to Seven Point Hosiery, Inc., Burlington, N. C., a corporation of North Carolina, assignee by mesne assignments.

154,923. **EAGLE.** PADLOCKS. Registered May 16, 1922. EAGLE LOCK CO., Terryville, Conn., a corporation of Connecticut. Renewed May 16, 1942.

154,983. **ELDORADO.** RUBBER ERASERS. Registered May 16, 1922. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed May 16, 1942.

155,200. **ATLANTIC.** METAL PRODUCTS, CONSISTING OF FUNNELS, STRAINERS, COMMODES, FOOT TUBS, PANS, BASINS, DIPPERS, CUPS, KETTLES, CANNERS, PLATES, COFFEEPOTS, AND PERCOLATORS. Registered May 23, 1922. ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 23, 1942.

155,382. **BAYER.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered May 30, 1922. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 30, 1942.

155,483. **EAGLE-THISTLE.** SODA ASH, BICARBONATE OF SODA, VIRGINIA SODA, CAUSTIC SODA, BLEACHING POWDER, AND LIQUOR CHLORINE. Registered May 30, 1922. THE MATHIESON ALKALI WORKS (INC), New York, N. Y., a corporation of Virginia. Renewed May 30, 1942.

155,540. **BENZEDO.** MEDICINAL PREPARATIONS CALCIUM ORTHO-BENZYL-OXY-BENZOATE. Registered May 30, 1922. SWAN-MYERS CO., Indianapolis, Ind. Renewed May 30, 1942, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

155,562. **WHITING & DAVIS CO.** MESH BAGS COMPRISED WHOLLY OR IN PART OF PRECIOUS METAL. Registered May 30, 1922. WHITING & DAVIS COMPANY, INCORPORATED, Plainville, Mass., a corporation of Massachusetts. Renewed May 30, 1942.

155,565. **CHAULMESTROL.** ETHYL ESTERS OF CHAULMOOGRA OIL. Registered May 30, 1922. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 30, 1942.

155,612. **BAYER.** PREPARATIONS OR MEDICINES FOR CERTAIN NAMED PURPOSES. Registered June 6, 1922. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 6, 1942.

155,689. **FORMICA.** ELECTRIC INSULATING COMPOUND. Registered June 6, 1922. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 6, 1942.

155,696. **GOLDMAN'S.** HAIR DYES, HAIR COLOR RESTORERS, AND HAIR TONICS. Registered June 6, 1922. BENJAMIN T. GOLDMAN, St. Paul, Minn. Renewed June 6, 1942, to Monroe Chemical Company, Quincy, Ill., a corporation of Maryland, assignee.

155,702. **HANES.** ONE, TWO, AND THREE PIECE UNDERGARMENTS OF KNITTED OR WOVEN MATERIAL. Registered June 6, 1922. P. H. HANES KNITTING CO., Winston-Salem, N. C., a corporation of North Carolina. Renewed June 6, 1942.

155,752. **EVEREST.** MATTRESSES. Registered June 6, 1922. C. F. LOTTMAN & SONS, Houston, Tex., a firm. Renewed June 6, 1942.

155,801. **GOLD SOAP.** SOAP. Registered June 6, 1922. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 6, 1942.

155,871. **LUMINAL.** A SEDATIVE AND HYPNOTIC. Registered June 6, 1922. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 6, 1942.

155,983. **KLADNO.** STEEL IN BLOCKS AND IN BARS AND FORGINGS FOR ALL KINDS OF MACHINES, ARTISANS' TOOLS, CUTTING TOOLS, AND SPRINGS. Registered June 13, 1922. THE FIRM POLDI STEEL CORPORATION OF AMERICA, as assignee of Poldina Hut, Prague and Kladno, Czechoslovakia. Renewed June 13, 1942, to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia, an incorporated joint-stock company of Czechoslovakia, assignee by mesne assignments.

155,984. **POLDI STABIL.** STEEL IN BLOCKS AND IN BARS AND IN FORGINGS FOR ALL KINDS OF MACHINES, ARTISANS' TOOLS, CUTTING TOOLS, AND SPRINGS. Registered June 13, 1922. THE FIRM POLDI STEEL CORPORATION OF AMERICA, as assignee of Poldina Hut, Prague and Kladno, Czechoslovakia. Renewed June 13, 1942, to Poldihütte Aktiengesellschaft, Prague, Czechoslovakia, an incorporated joint-stock company of Czechoslovakia, assignee by mesne assignments.

156,050. **WUNAXION.** EYELET PUNCHES. Registered June 13, 1922. THE WM. SCHOLLHORN CO. Renewed June 13, 1942, to The Wm. Schollhorn Company, New Haven, Conn., a corporation of Connecticut.

156,159. **AMBRAC.** TUBES MADE FROM NON-FERROUS METALS AND ALLOYS. Registered June 20, 1922. THE AMERICAN BRASS COMPANY, Waterbury, Conn., a corporation of Connecticut. Renewed June 20, 1942.

156,168. **ASHAWAY.** FISHING LINE. Registered June 20, 1922. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I., a corporation of Rhode Island. Renewed June 20, 1942.

156,174. **BAYASPIRINA.** ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC. Registered June 20, 1922. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 20, 1942.

156,186. **MOHAWK.** CERTAIN ARTICLES OF CUTLERY AND TOOLS. Registered June 20, 1922. BLISH, MIZE & SILLIMAN HARDWARE CO., Atchison, Kans., a corporation of Kansas. Renewed June 20, 1942.

156,264. **PIONEER.** SAFETY RAZORS. Registered June 20, 1922. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass., a corporation of Delaware. Renewed June 20, 1942.

156,276. **ANTINONIN.** ANTISEPTICS, DISINFECTANTS, FUNGICIDES, AND INSECTICIDES. Registered June 20, 1922. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed June 20, 1942, to General Drug Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

156,306. **LEADO GRAPH.** PENCILS. Registered June 20, 1922. INKOGRAPH CO., INC., New York, N. Y., a corporation of New York. Renewed June 20, 1942.

156,314. **JJJ.** LADIES' HATS AND GOWNS. Registered June 20, 1922. JULIET JOHANNA JONAS, New York, N. Y. Renewed June 20, 1942.

156,378. **NOMO.** MOTH PREVENTIVE AND IMMUNIZER IN SOLID FORM. Registered June 20, 1922. NYANZA COLOR & CHEMICAL CO., INC., New York, N. Y., a corporation of New York. Renewed June 20, 1942.

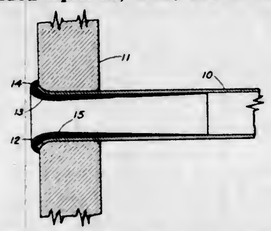
156,441. **"OLD HICKORY".** BOILER COMPOUND. Registered June 20, 1922. THORNTON HOPKINS, Nashville, Tenn. Renewed June 20, 1942.

156,470. **WILBERT.** AMMONIA AND JAVELLE WATER. Registered June 20, 1922. THE WILBERT PRODUCTS CO., New York, N. Y., a corporation of New York. Renewed June 20, 1942.

156,471. **LUBRIKUP.** COMPOSITION PACKING COMPOSED OF CANVAS AND RUBBER. Registered June 20, 1922. WILLIAMSPORT DEVELOPMENT COMPANY. Renewed June 20, 1942, to LubriKup Company, Williamsport, Pa., a corporation of Pennsylvania, by change of name.

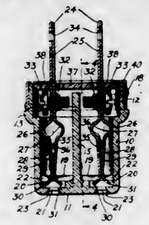
156,478. **YALE.** AUTOMOTIVE TRUCKS AND TRAILERS. Registered June 20, 1922. THE YALE & TOWNE MFG. CO., Stamford, Conn. Renewed June 20, 1942, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut.

22,027
CONDENSER TUBE PROTECTOR
Thomas J. Bay, United States Navy
Original No. 2,225,615, dated December 24, 1940, Serial No. 312,941, January 8, 1940. Application for reissue December 23, 1941, Serial No. 424,171
5 Claims. (Cl. 285—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



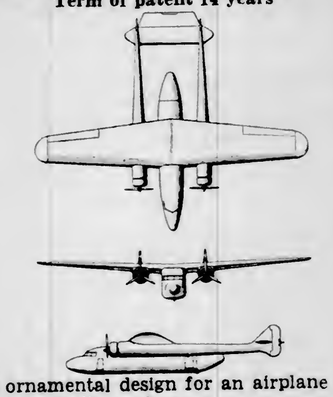
1. Means for protecting from corrosion and erosion the inlet end of a tube extending through a header plate of a surface condenser comprising a tubular insert of substantially infusible, thermo-setting material which is resistant to corrosion and capable of retaining its initial hardness in the presence of salt water and heat, said insert having sufficient longitudinal rigidity to permit it to be forced into the inlet end of said tube and sufficiently deformable radially to closely conform to irregularities in the cross-sectional contour thereof, for absorbing the impact of media entering said tube.

22,028
ELECTRICAL PLUG DEVICE
Lancaster P. Clark, Jr., Bridgeport, Conn., assignor to Electric Plug, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Original No. 1,979,958, dated November 6, 1934, Serial No. 604,947, April 13, 1932. Application for reissue May 3, 1941, Serial No. 391,812
3 Claims. (Cl. 173—334)



1. In an electrical plug device, a housing shell of insulating material, having spaced end walls, one of said end walls having a pair of transversely aligned plug receiving openings and the other of said end walls having a pair of transversely aligned plug positioning slots having their long sides parallel to each other, said housing shell having pockets disposed between said end walls and said plug receiving openings and said plug positioning slots being in axial alignment with each other along said pockets, and a pair of metallic plug and resilient contact units respectively carried in said pockets in said housing, each comprising a single strip of metal bent upon itself for a portion of its length to form a double thickness plug portion adapted to project from said housing respectively through one of said slots, the two sides of said strip being bent outwardly adjacent the base of said double thickness plug portion symmetrically at each side of the central plane of said portion to form outwardly movable springy portions and being extended from said springy portions to form a pair of single thickness contact portions, said contact portions being disposed respectively in relation to one of said plug receiving openings to receive a plug between them and normally converging toward each other from said springy portions and each being adapted through the engagement of the plug portion of an adjacent plug device with its converging contact portions to be spread at its two sides into parallel relation in surface contact with said inserted plug portion.

22,029
DESIGN FOR AN AIRPLANE OR THE LIKE
Robert J. Nebesar, Bristol, Va.
Original No. 129,412, dated September 9, 1941, Serial No. 99,482, March 10, 1941, for 14 years. Application for reissue November 21, 1941, Serial No. 104,246
Term of patent 14 years

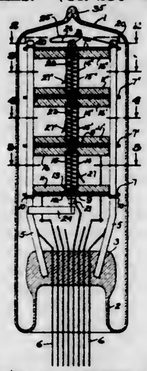


The ornamental design for an airplane or the like, substantially as shown.

PATENTS

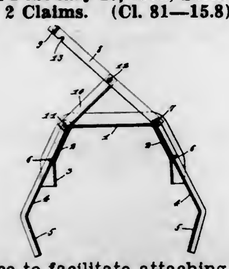
GRANTED FEBRUARY 17, 1942

2,273,003
MULTIPLE STAGE VACUUM TUBE
Chris S. Andersen, Bell, Calif.
Application January 28, 1941, Serial No. 376,289
7 Claims. (Cl. 250—27.5)



2. In a multistage vacuum tube having an envelope and a press supporting upright parallel main support rods, an electrode assembly comprising a thin refractory washer mounted on said rods, a ceramic disc on said washer, said washer and said disc having coaxial bores therein and said disc having in addition a counterbore, a grid having end turns spaced closer than intermediate turns thereof, mounted in the bore of said disc and resting on said washer, an anode mounted in said disc counterbore, a similar disc and washer inverted over said grid and anode, means on said rod to position said washers, and a filament passing through said discs, washers and grid.

2,273,004
ANTISKID CHAIN ATTACHING DEVICE
Robert P. Batty, Evans City, Pa.
Application February 17, 1941, Serial No. 379,316
2 Claims. (Cl. 81—15.8)



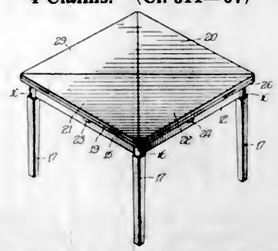
1. A device to facilitate attaching an anti-skid chain to a vehicle tire, comprising a substantially U-shaped channeled body for disposal transversely about the tire, a pair of jaw members including shank portions pivoted between their ends to the arms of the body for movement of the jaw members toward and away from each other, chain receiving end portions formed on the shank portions and bent toward each other for engagement with the rim of the tire, a hand lever having one end pivoted to one shank portion, a channeled link having its ends pivoted to the other shank portion and between the ends of the lever respectively for cooperation with the latter to move the jaw members into and out of clamping relation with respect to the tire and rim, said lever having a notch therein for receiving the pivot connecting the link to its shank portion, the pivot connecting the link to the lever being arranged with respect to the pivots connecting the link and lever to the shank portions for holding the jaw members in clamping position, and said lever being seated in the channels of the link and bight portion of the body when the jaws are in clamping position.

2,273,005
BOOK OF CARBON PAPERS
John B. Beach, Washington, D. C.
Application October 28, 1941, Serial No. 416,901
11 Claims. (Cl. 282—11)



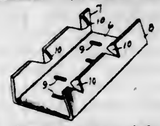
3. An article of manufacture comprising a plurality of sheets of carbon paper held together adjacent one edge by a bond having a resistance to severance that exceeds the stresses resulting from normal handling of said sheets but a severability that enables any two contiguous sheets to be separated, whereby groups of sheets of any desired number may be detached as units while the sheets of each group remain attached to each other in said group.

2,273,006
TABLE
David Carlson, Chicago, Ill.
Application May 29, 1940, Serial No. 337,839
4 Claims. (Cl. 311—67)



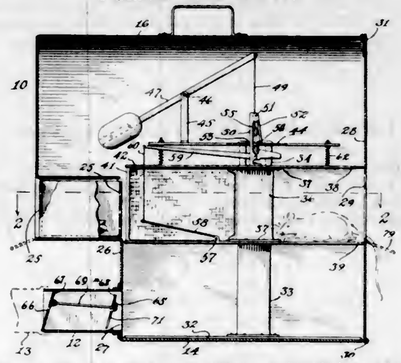
1. In combination, a table frame and a top secured thereto, said top being composed of fixed and vertically movable triangular sections, and triangular leaves hinged to the marginal edges of said top sections, two of said leaves that are secured to the movable sections being adapted to be unfolded and to be raised with the movable sections to bring their top surfaces into the plane of the folded sections.

2,273,007
SEAL
Joseph T. Cooper, Los Angeles, Calif.
Application March 3, 1941, Serial No. 381,469
4 Claims. (Cl. 24—23)



3. In a sealing device comprising a body portion having lateral flanges at opposite sides thereof arranged to be bent towards each other and towards the body portion, the body portion having staggered, elongated openings therein, elongated prong means arranged in staggered relation on the flanges, the length of the openings and the length of the prongs being transverse to the length of the body portion, and the prongs being arranged substantially opposite the openings when the flanges are bent towards each other and towards the body portion, and consisting of upset portions of the free edges of the said flanges.

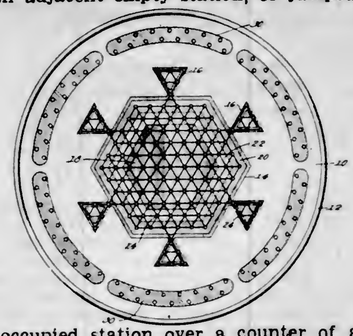
2,273,008
AUTOMATIC ANIMAL TRAP
George F. Fisher, Oklahoma City, Okla.
Application November 3, 1939, Serial No. 302,781
1 Claim. (Cl. 43—68)



An automatically operating animal trap having a casing or housing provided with oppositely located inlet openings, each visible from the other, an unobstructed passage-way between said openings, an elevator vertically movable in said casing and having a floor plate substantially level with the lower edges of said openings when the elevator is in its raised or upper position, a latch for normally holding the elevator in raised position, a second passage connecting with said first passage, a bait receptacle positioned adjacent said second passage, a tripping member in said second passage actuated by the weight of an animal to thereby release said latch and permit the descent of the elevator, and an escape passage-way in alinement with said floor plate when the elevator is in its lower position, and means operating to automatically return the empty elevator to raised position.

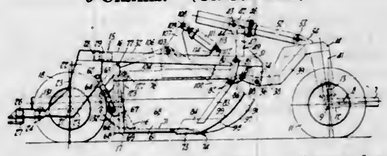
2,273,009
GAME APPARATUS
Henry A. Fisher, Parkersburg, W. Va.
Application April 1, 1940, Serial No. 327,261
1 Claim. (Cl. 273—134)

Game apparatus comprising a game board and playing counters for movement on said board, said counters being divided into groups of contrasting appearance for each contestant playing the game, said board having a field of play comprising starting zones for the counters of each contestant and a combat zone, said field having a plurality of stations systematically arranged adjacent one another, on which said counters are placed by alternate moves of each contestant, the counters of each contestant being permissibly advanced in successive moves from an occupied to an adjacent empty station, or jumped from



an occupied station over a counter of an opponent to an empty station in said combat zone to capture said opponent's counter, and a neutral counter of appearance contrasting with those of the contestants which may be selectively placed by a contestant in any empty station of said combat zone, which neutral counter may be jumped by the contestant's counter to place the latter in position to jump the counter of an opponent in the same move, or to permit the contestant's counter to continue a jump to capture a plurality of opponent's counters in the same move.

2,273,010
EARTH MOVER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application November 1, 1937, Serial No. 172,094
9 Claims. (Cl. 37—126)

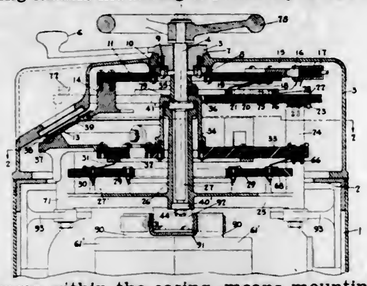


9. An earth mover comprising a frame having pivotally articulated portions each directly supported by ground-engaging means, a main bowl, rigid bars each pivoted at its one end to said main bowl and at its other end to one of said portions for constraining said main bowl to movement on a plurality of axes relative to said portion, and means for moving said bowl on said portion in accordance with the relative movement between said portions.

2,273,011
ELECTRICAL COMPENSATOR
Laurence Batcheider, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 1, 1937, Serial No. 177,539
5 Claims. (Cl. 200—14)

1. An electric compensator switch comprising

a plurality of insulating plates mounted in parallel relationship substantially one above the other and carrying contact elements of the switch, a casing enclosing said switch, said casing having a cover removably mounted thereon, the top plate of said plurality of insulating plates having means mounting it rotatably in the cover,



a frame within the casing, means mounting the plate positioned next to said top plate with a hinge element at one end supported from the frame of the casing and means for raising one of said other plates in a direction perpendicular to the plane in which the plate is normally positioned whereby the contact elements on all the plates are accessible.

2,273,012

TREATMENT OF HYDROCARBON DISTILLATES

Wayne L. Benedict and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 30, 1939, Serial No. 253,618

8 Claims. (Cl. 196—31)

1. A method for removing impurities from hydrocarbon oil which comprises treating the oil under refining conditions with hydrochloric acid and a calcined mixture of a silica hydrogel and a heavy metal hydrogel.

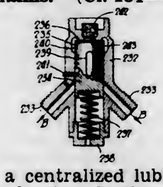
2,273,013

LUBRICATION

Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Application June 1, 1936, Serial No. 82,750

7 Claims. (Cl. 184—7)



4. For use in a centralized lubricating installation for a mechanism having a plurality of spaced and distributed bearings to receive proportioned quantities of lubricant, said installation having a central reservoir, a central pump, a branched distributing piping system leading from said pump toward said bearing; a measuring valve fitting device having a single threaded inlet connection to an outlet of said piping system and also having a plurality of threaded outlet connections to bearings to be lubricated, said fitting having an elongated body with a central cylindrical bore, of a piston reciprocating in said bore, a return coil spring within said body to return said piston toward said threaded inlet connection, said fitting being interiorly provided with a plurality of measuring compartments, one for each outlet connection, to receive lubricant from said threaded inlet connection and to discharge lubricant to said threaded outlet connections, said receiving of lubricant taking place upon movement of the piston toward said threaded inlet connection and said discharging of lubricant taking place upon movement of the piston toward said threaded outlet connections.

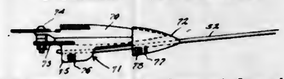
2,273,014

SICKLE GUARD APPLIANCE

Elmer G. Blackledge, Oswego, Kans.

Application August 22, 1939, Serial No. 291,439

3 Claims. (Cl. 56—313)



1. A lifting finger attachment for sickle guard teeth comprising a hollow cup-like structure adapted to embrace the lead end of a guard tooth and being split at its lower portion and formed to define a pair of jaw members, contracting means between the jaw members, an elongated tine extending longitudinally through the cup-like structure and adapted to be clamped in position by the jaws, and anchoring means for anchoring the rear portion of the tine to a guard tooth.

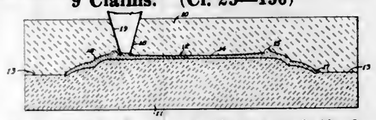
2,273,015

METHOD OF MAKING CAST CERAMIC FLATWARE

James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, a corporation of West Virginia

Application February 27, 1939, Serial No. 258,746

9 Claims. (Cl. 25—156)



9. A method of slip-casting a relatively flat and thin ceramic article, such as a plate or saucer which has a central disc-like portion, a sourrounding foot and an outwardly tapering rim portion and in which said foot constitutes the thickest portion of such article, which comprises introducing liquid slip into a closed mold cavity which, with due allowance for shrinkage, has the size and shape of such article and controlling the introduction of such slip into said mold cavity in such manner that the slip is fed into that portion of the mold cavity which corresponds to an eccentric point in said central portion but adjacent said foot initially at a relatively slow rate for a portion of such filling operation and thereafter completing the filling of the mold cavity at a faster rate and finally supplying additional slip to said mold cavity to compensate for the absorption of water by said porous mold at the rate at which said porous mold absorbs the water from said slip to complete the article, that portion of the filling of the mold cavity which is carried out at the faster rate being effected at super-atmospheric pressure which is subsequently relieved so that the supply of additional slip occurs at substantially normal atmospheric pressure.

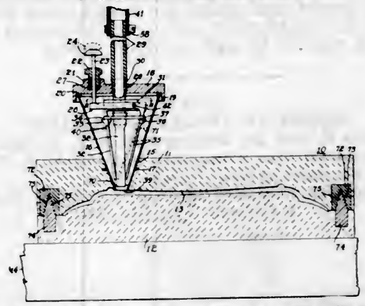
2,273,016

APPARATUS FOR FEEDING CERAMIC SLIP

James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, a corporation of West Virginia

Application April 1, 1939, Serial No. 265,461

9 Claims. (Cl. 25—29)



9. Apparatus for slip-casting a ceramic article comprising a mold having a cavity, means for introducing slip into said cavity, means for initially supplying slip to said introducing means at a relatively slow rate and in an amount less than that necessary to fill the cavity, means for thereafter supplying slip to said introducing means at a faster rate than the said initial rate and at super-atmospheric pressure, the supply and introducing means being so constructed and arranged that the slip supplied at the faster rate is out of contact with the atmosphere during its passage through the introducing means and at the point of entry into the cavity.

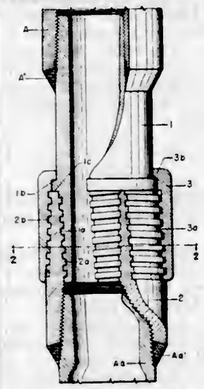
2,273,017

RIGHT AND LEFT DRILL PIPE

Alexander Boynton, San Antonio, Tex.

Application June 30, 1939, Serial No. 282,164

1 Claim. (Cl. 285—146)



In a rotary drill connection, a connection member having threads thereon adjacent an end thereof, an annular projection on said member and adjacent that portion of said threads removed from said end, said annular projection providing two annular shoulders, a second connection member having threads thereon mating with said first mentioned threads in such a manner that a portion of said second connection member is seated firmly against one of said annular shoulders, a locking sleeve threadedly connected with said second connection member by threads of opposite hand to said second threads, a projection on said locking sleeve constructed to seat firmly against the second of said annular shoulders whereby the assembly as a whole may be rotated in either direction without danger of becoming disconnected.

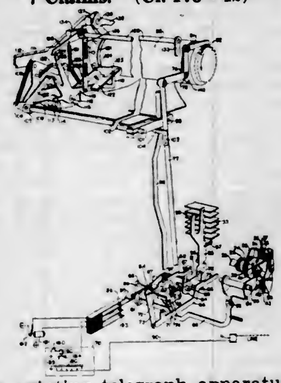
2,273,018

PRINTING TELEGRAPH APPARATUS

Charles W. Burcky, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application July 13, 1940, Serial No. 345,258

7 Claims. (Cl. 178—42)



1. In a printing telegraph apparatus, mechanism for feeding a record strip intermittently, means for initiating operation of said feeding mechanism, means controlled solely by a single designation in the record strip for interrupting operation of said feeding mechanism at a point determined by the location of said designation in the record strip, and sensing means effective during the intermittences to effectuate said control.

2,273,019

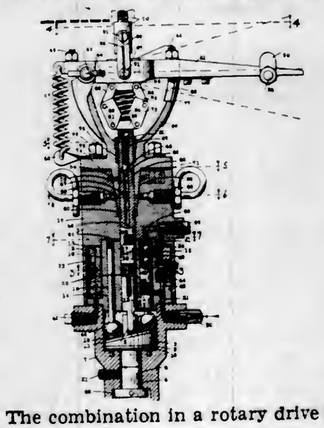
FUEL MEASURING AND DISTRIBUTING PUMP FOR OIL ENGINES

Frank David Butler, United States Navy

Application July 27, 1940, Serial No. 347,934

6 Claims. (Cl. 123—140)

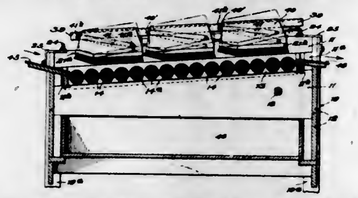
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. The combination in a rotary drive combined

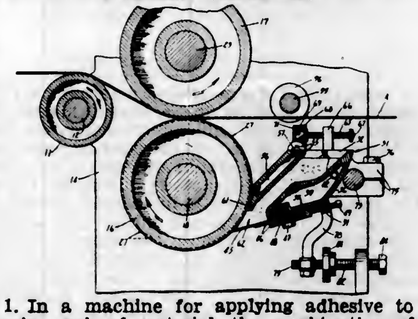
fuel pump and distributing assembly having a main body portion with a plurality of axially disposed fuel delivery pump cylinders with cam operated pump plungers therein symmetrically arranged about the axis of a rotary valve member operated through a slidable coupling by said rotary drive and slidably fitting within an elongated bore partly within said main body portion, means for taking fuel suction through displacement of said plungers and via a cavity in said rotary valve and for discharging said fuel under pressure via a recess in said valve into an elongated fuel pressure chamber located within the latter, means for distributing said fuel under pressure from said pressure chamber via a tapering port in said rotary valve into a plurality of fuel delivery orifices arranged symmetrically in the walls of a portion of said elongated bore, and, a manually controlled lever means for moving said rotary valve longitudinally within said bore in relation to said orifices, of a flanged housing attached to said manually controlled lever and rotatably secured to said main body portion and having a tapering projecting valve surface coinciding with a tapering recess located in said main body portion, a prolongation of said elongated bore extending concentric with said projecting valve surface through said flanged housing and containing said fuel delivery orifices originating in the walls thereof and terminating in said valve surface, means in the form of said lever means for either simultaneously or independently moving said rotary valve longitudinally in said bore in relation to said orifices and circumferentially rotating said flanged housing in relation to said tapering port, a centrifugal governor secured at one end to said manually controlled lever means and at its opposite end to said rotary valve and adapted to rotate with the latter and to automatically control (in conjunction with said manually controlled lever means) the longitudinal movement of said rotary valve during its rotation, means for securing said manually controlled lever in various longitudinal valve movement positions, and, means for securing said flanged housing in various rotatable movement positions.

2,273,020
FRUIT BRUSHING MACHINE
John A. Chater, Medina, N. Y., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y., a corporation
Application September 17, 1938, Serial No. 230,513
16 Claims. (Cl. 146—202)



1. In a fruit treating machine, a main frame, a substantially flat bed carried by said main frame over which the fruit passes, a frame disposed over the bed and substantially parallel therewith, an eccentric journalled on each side of the machine, a pair of rods on each side of the machine and having at one of their ends operative connection with said eccentric, the other ends of each pair of rods extending toward opposite ends of the machine, the outer ends of one rod of each pair having a journal connection with said overlying frame, means for slidably supporting said overlying frame on and near the outer ends of the other rods of each pair at the opposite end of said overlying frame, means for slidably supporting said rods on the main frame at points a predetermined distance from their points of engagement with said overlying frame, and means for rotating said eccentrics in synchronism and fruit contacting elements carried by said overlying frame.

2,273,021
ADHESIVE APPLYING MACHINE
Herbert F. Cox, Jr., Murray Hill, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 28, 1940, Serial No. 321,303
9 Claims. (Cl. 91—49)

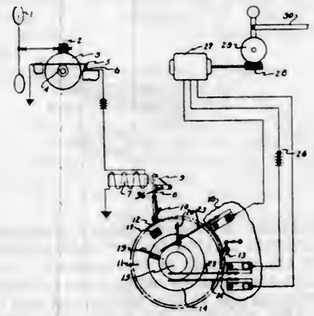


1. In a machine for applying adhesive to a moving web of material, the combination of a roller for receiving adhesive and for applying it to the moving web, a reservoir for holding said adhesive movably mounted relative to said roller, means for bodily moving said reservoir for bringing it into operating position adjacent said roller or for moving it out of operating position clear of the roller so that the latter may be readily accessible for cleaning, and a movable wall on said reservoir having one position to permit flow of adhesive therefrom when in said operating position adjacent said roller, said movable wall being shiftable into another position to shut off the flow of adhesive from said reservoir when the latter is moved out of operating position and clear of the roller.

2,273,022
AUTOMATIC THROTTLE CONTROL
Carl J. Crane and George R. Larkin, Dayton, Ohio
Application July 18, 1939, Serial No. 285,206
6 Claims. (Cl. 264—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

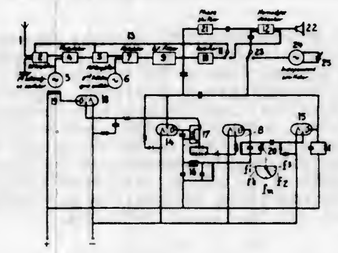
1. Apparatus for maintaining an aircraft at a true air speed comprising, anemometer means for registering the true air speed of the aircraft, a ratchet wheel actuated by said anemometer means, constant speed reference means comprising a motor driven shaft having a collar integral therewith, said ratchet wheel being rotatably mounted on said shaft and spring pressed against said collar, spaced electrical contacts on said collar, a single electrical contact on said ratchet wheel, a reversible motor electrically connected to said contacts, a throttle control mechanism operated by said motor, whereby upon a difference of movement between the ratchet wheel and collar the single contact engages one of the spaced contacts to establish an electric current

to said motor thereby actuating said throttle control mechanism to maintain the aircraft at substantially the constant speed of the reference means.



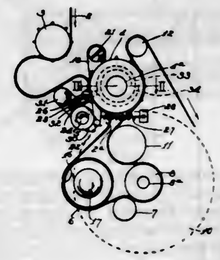
5. Apparatus for maintaining an aircraft at a predetermined true air speed comprising, a driving engine, a throttle valve control mechanism for said driving engine, an air velocity responsive device including an anemometer, a constant speed means, said constant speed means and air velocity responsive device being correlated with said throttle valve control mechanism to operate upon a difference between the constant speed means and the velocity responsive device to actuate said throttle valve control mechanism to maintain a substantial coincidence of said constant speed means and said velocity responsive device.

2,273,023
RADIOTELEPHONE SYSTEM
Henri Jean Joseph Marie de Regnauld de Bellescize, Neuilly-sur-Seine, France
Application July 5, 1939, Serial No. 282,926
In France February 2, 1939
6 Claims. (Cl. 250—6)



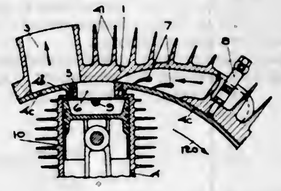
1. Telephone signalling method comprising the following operations: modulating a carrier wave in order to produce a spectrum, the components of which are distributed between the two side-bands symmetric with respect to said carrier, passing said oscillations through a band-pass filter, the band of which is of a width substantially equal to that of one of the spectrum bands, placing the carrier frequency in a point substantially midway of one of the filter slopes, for which the attenuation is about 6 decibels for a maximum difference in frequency of about 300 cycles per second, and demodulating said signal by means of a local oscillation of greater strength than the carrier wave and in phase with this wave for homodyne reception.

2,273,024
SOUND RECORDING AND REPRODUCING APPARATUS
Herman A. DeVry and Otto R. Nemeth, Chicago, Ill., assignors to DeVry Corporation, Chicago, Ill., a corporation of Illinois
Application June 24, 1940, Serial No. 342,142
8 Claims. (Cl. 271—2.3)



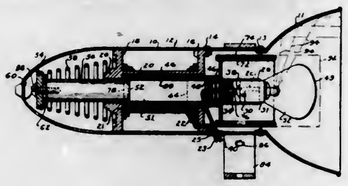
1. In combination with a film feeding mechanism, a movably mounted film tensioning idler roller, means urging said roller toward its maximum-tension position and stop means acting to hold said roller initially away from said position, together with means actuated by the feeding movement of the film feeding mechanism and operable to release the roller from control of said stop means.

2,273,025
INTERNAL COMBUSTION ENGINE
Torbjörn Viktor Dillström, Stockholm, Sweden, assignor, by mesne assignments, to Mawen Motor Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1938, Serial No. 200,328
In Sweden April 21, 1937
4 Claims. (Cl. 123—44)



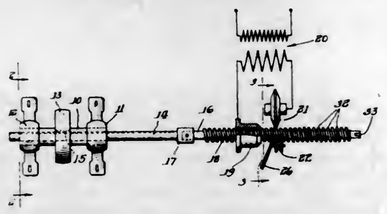
1. In an internal combustion injection engine, a cylinder having an inlet for combustion air, a fuel injection device mounted independently of the cylinder and adapted to be in communication therewith for injecting liquid fuel in finely divided state into said cylinder, means adapted to supply liquid fuel to said injection device, and means for obtaining uniformity of distribution of said fuel in said cylinder, said means comprising means for introducing air through said inlet adapted to provide a whirling action to the air charge within said cylinder and means for providing relative movement between said cylinder and said fuel injection device whereby the combined action of said movement and said whirling action will effect said uniformity of distribution in the cylinder of the finely divided liquid fuel injected thereinto by said injection device while said cylinder is moving with respect to said injection device and after said air has been introduced into said cylinder.

2,273,026
BOMB RELEASE SIGNAL LAMP ASSEMBLY
Arnold D. Dircksen, Dayton, Ohio
Application May 10, 1941, Serial No. 392,917
3 Claims. (Cl. 177—329)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



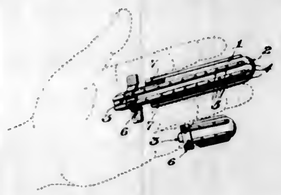
1. A signal lamp assembly comprising a housing, a solenoid coil, a spool for said solenoid coil supported in said housing intermediate its ends, the rearward end of said spool being of relatively small bore and the remainder of somewhat larger bore, a long lamp socket tube supported in said smaller bore and extending forward, a lamp bulb supported in the forward end of said tube, a filter operating tube slidable axially in said larger bore and around the lamp socket tube, a color filter carried on the forward end of said operating tube normally positioned in a space around the base of the lamp but adapted to be extended by axial movement of said operating tube to a space around the filament of the lamp, a solenoid core slidable in the lamp socket tube and normally positioned therein with its forward end and the rearward end of the filter operating tube overlapping, and means extending through longitudinal slots in the wall of the lamp socket tube connecting said core and said operating tube for unitary axial movement.

2,273,027
METHOD AND APPARATUS FOR MAKING FLEXIBLE METAL TUBING
Albert Dreyer, Lucerne, Switzerland, assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application November 1, 1939, Serial No. 302,308
In Switzerland November 21, 1938
11 Claims. (Cl. 219—6)



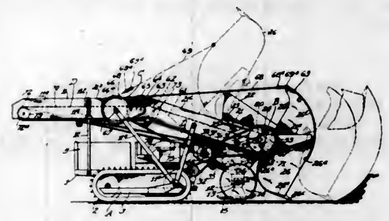
3. An apparatus for making flexible metal tubing comprising an elongated profiled arbor upon which an elongated profiled metal strip is adapted to be helically wound with its edges in juxtaposed relation, the profiling of the arbor conforming generally to the profiling of the strip, a welding electrode adapted to contact and weld the juxtaposed strip edges, and means for rotating the arbor and for relatively translating the arbor and the welding electrode axially of the arbor whereby to permit the welding electrode to continuously engage the strip edges and effect the welding operation.

2,273,028
SPLINT
Warren S. Eaton, Los Angeles, Calif.
Application January 7, 1939, Serial No. 249,800
2 Claims. (Cl. 128—87)



1. A surgical protective device, comprising a tubular member having hollow corrugations projecting at the exterior of the member, the inner side of each corrugation being open longitudinally and transversely to the interior of the tubular member, the corrugations being provided with ventilation openings extending through side walls thereof, said tubular member being open at one end, and the side walls of the member being provided with longitudinal slots intersecting the ends of the side walls at the open end of the device.

2,273,029
EXCAVATING AND LOADING MACHINE
Asger Eilersgaard, Los Angeles, Calif.
Application July 24, 1939, Serial No. 286,066
20 Claims. (Cl. 214—90)



2. In an attachment of the class described for self-propelled vehicles, a frame so connectable to the opposite sides of the vehicle as to extend beyond one end thereof, a carriage longitudinally movable on the frame inwardly from the extended end thereof, a digging bucket, open at the front and rear ends, pivoted on the outer end of the carriage, and means connectable to the propelling mechanism of the vehicle for moving the carriage inwardly and tilting the bucket so as to discharge material from the rear of the bucket.

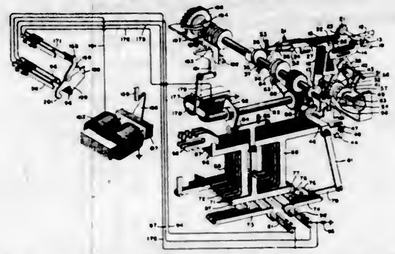
2,273,030
PROCESS OF PREPARING PHENOLS
Wilhelm Fitzky and Herbert Kracker, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 8, 1939, Serial No. 278,074. In Germany June 14, 1938
9 Claims. (Cl. 260—621)

1. The process which comprises heating an aromatic amine of the group consisting of aniline and its homologues at temperatures of at least 200° C. under superatmospheric pressure in the presence of water and of an acid catalyst known to promote hydration.

2,273,031
PHYSIOLOGICALLY ACTIVE ALKALOID FROM SPECIES OF ERYTHRINA AND PROCESSES FOR ITS PRODUCTION
Karl Folkers, Plainfield, and Frank Koniuszy, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 1, 1940, Serial No. 316,718
7 Claims. (Cl. 260—236)

1. A substance selected from the group consisting of the alkaloid erythratine, obtainable from certain botanically related species of Erythrina, the hemihydrate of said alkaloid having a melting point of about 170–170.5° C., and $[\alpha]^{25}_{D}=+145.5°$ (absolute alcohol), and hydrohalides of said alkaloid.

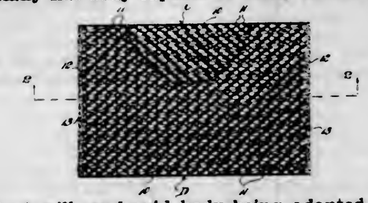
2,273,032
DUAL MAGAZINE CONTROL
Maurus T. Goetz, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application October 4, 1940, Serial No. 359,757
12 Claims. (Cl. 199—21)



1. In a linecasting and composing machine having a plurality of matrix storage magazines and a shiftable matrix releasing and receiving device for co-operation with said magazines individually, a cam for shifting said device, means for driving said cam, means for establishing an operative connection between said driving means and said cam, means for operating said connection establishing means, a plurality of selectable means for controlling said operating means, signal responsive means for selecting said selectable means individually, means controlled by said cam for qualifying alternatively said selectable means to control said operating means, and means controlled jointly by said operating means and said qualifying means for arresting said signal responsive means to accommodate the shifting of said shiftable device.

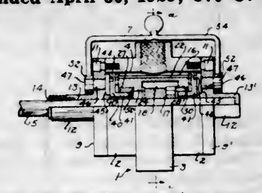
2,273,033
SCOURING DEVICE
Alfred M. Goodloe, Montclair, and Adolph Ciesielski, Newark, N. J., assignors to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application December 10, 1940, Serial No. 369,420
2 Claims. (Cl. 15—209)

1. A scouring device comprising, superposed sections formed from flexible sheets of knit metallic fabric, said fabric having transverse corrugations impressed therein, the corrugations of contiguous sheets being disposed in angular crossing relation, said superposed sections being secured together along certain opposite side marginal portions thereof so as to leave their remaining opposite side marginal portions disconnected, thereby to provide an endwise open initially flat body capable of being turned inside



out at will, and said body being adapted to be temporarily variously folded upon itself in use.

2,273,034
PUMP
Ralph E. Grey, Fairfield, Ohio
Application February 26, 1941, Serial No. 380,688
7 Claims. (Cl. 103—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A variable displacement pump comprising a stationary casing, a longitudinally extending cylindrical bore in said casing, a pair of fluid ports communicating with the bore in said casing, a driving shaft, a rotor rotatably mounted within the bore in said casing and driven by said shaft, a pair of oppositely disposed interconnected pistons carried by said rotor and reciprocable within chambers formed in said rotor, a pair of spaced coaxial crank pins carried by said casing, bearings carried by each respective crank pin and engaging each of said pistons on opposite sides of the center line thereof to cause said pistons to rotate about the common crank pin axis and means operable from external of said casing for simultaneously shifting said crank pins so that the crank pin axis is eccentric with respect to the axis of rotation of said rotor.

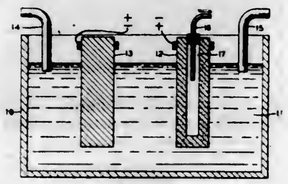
2,273,035
STABILIZATION OF POLYVINYL ACETAL RESINS
Joseph B. Hale, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 5, 1937, Serial No. 129,248
3 Claims. (Cl. 260—73)

1. The process of preparing a stable polyvinyl acetal resin which comprises condensing an aldehyde with a hydrolyzed polyvinyl ester in contact with polyhydroxybenzene in an amount between approximately 2% and approximately 6%, based on the weight of the polyvinyl ester.

2,273,036
ELECTRODEPOSITION OF METALS
George W. Heise, Rocky River, and Erwin A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc., a corporation of New York
Application December 17, 1938, Serial No. 246,276
4 Claims. (Cl. 204—107)

4. Process of depositing metal from an aque-

ous electrolyte containing a salt selected from the group consisting of ferrous salts and cuprous salts which comprises passing the electrolyte into a cell containing a cathode and a porous anode, the anode having a porosity between 40% and 70% and an air permeability above 30 and comprising comminuted solid carbonaceous ma-



terial embedded in a porous carbonaceous binder having uniformly distributed pores; passing an electric current through the electrolyte between the cathode and anode, whereby metal is deposited at the cathode and metal ions are oxidized at the anode; and withdrawing anolyte, containing the oxidized ions, through the porous anode.

2,273,037

STERILIZING DEVICE

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application November 9, 1939, Serial No. 303,695

3 Claims. (Cl. 219—47)



2. A sterilizing device for fluids, comprising a plurality of separate contiguous inner disk members having annular fins setting off annular spaces therebetween, a plurality of separate contiguous outer ring members disposed around said inner disk members and having annular fins disposed within the annular spaces defined by the annular fins of the inner disk members to set off a sinuous annular channel extending from one end of said assembled disk and ring members to the other, an inner central support member for holding said inner disk members and an outer tubular support member for holding said outer ring members, said support members being arranged for convenient dismantling of the disk and ring members for cleaning, each of said support members having adjacent an end thereof means for locating said disk and ring members in longitudinal relation with their respective annular fins spaced from one another, a resilient gasket disposed adjacent each support member and respectively engaging against an outer associated disk and ring member for receiving the pressure of the fluid to be sterilized entering into and flowing through the said sinuous channel, said pressure forcing said ring and disk members respectively into closed end to end engagement to prevent leakage of the fluid, and an electric heating coil surrounding said outer tubular support member for imparting heat to said assembled disk and ring members to provide sterilizing heat for the fluid passing through said sinuous annular channel.

2,273,038

POLYMERIZATION OF GASES

Eugene J. Houdry, Ardmore, and James P. Daugherty, Jr., Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 9, 1938, Serial No. 239,632

8 Claims. (Cl. 196—10)

1. In the production of polymer gasoline from normally gaseous hydrocarbons by the action of catalysts, the process steps of sending a charge containing at least 20% olefins to a catalytic reaction zone at a rate in excess of 20 cubic feet of gas per hour per liter of catalyst, subjecting the charge to a pressure in excess of 300 lbs. per square inch, and subjecting the charge in liquid phase and under reaction conditions to the action of a contact mass comprising a blend of silica and alumina in the weight ratio of about 9:1 and maintained above 180° F. but below the critical temperature of the hydrocarbons in contact therewith.

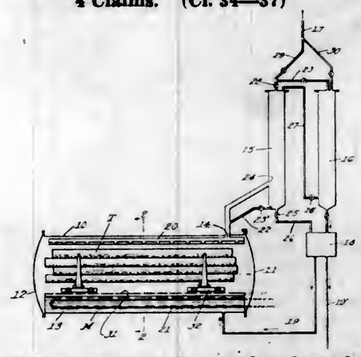
2,273,039

TREATING WOOD AND WOOD PRODUCTS

Monie S. Hudson, Spartanburg, S. C.

Application March 19, 1940, Serial No. 324,893

4 Claims. (Cl. 34—37)



1. The process of drying wood and wood products by distilling the water from the wood and wood products comprising placing the wood or wood products in a closed drying chamber, supplying to said chamber for drying the wood or wood products therein, the vapor phase of a compound selected from a group consisting of aliphatic, naphthenic and aromatic compounds having a melting point not greater than substantially 60° C. and a boiling point above that of water at atmospheric pressure and inert to the wood or wood products, maintaining the vapor phase in said drying chamber substantially at a temperature equal to the boiling point of its liquid phase at the pressure in the drying chamber during substantially the entire drying operation, and continuously drawing off the distilled water vapor from the drying chamber.

2,273,040

CHEMICAL PROCESS AND PRODUCT

Ralph K. Iler, East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 26, 1940, Serial No. 358,479

18 Claims. (Cl. 91—68)

13. In a process for increasing the hydrophobic

properties of a surface, the step comprising effecting contact of the surface with an aqueous solution of a complex compound of the Werner type in which a trivalent nuclear chromium atom is coordinated with an acyclic carboxylic acido group having at least ten carbon atoms.

2,273,041

TREATMENT OF HYDROCARBONS

Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 3, 1939, Serial No. 282,664

6 Claims. (Cl. 196—10)

6. An alkylation process which comprises reacting isobutene with isobutane in the presence of aluminum chloride and hydrogen chloride at an alkylating temperature above 0° C. and under sufficient pressure to maintain a substantial portion of the hydrocarbons in liquid phase.

2,273,042

TREATMENT OF HYDROCARBONS

Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 3, 1939, Serial No. 282,665

6 Claims. (Cl. 196—10)

6. An alkylation process which comprises reacting normal butene with isobutane in the presence of aluminum chloride and hydrogen chloride at an alkylating temperature above 0° C. and under sufficient pressure to maintain a substantial portion of the hydrocarbons in liquid phase.

2,273,043

TREATMENT OF HYDROCARBONS

Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 3, 1939, Serial No. 282,666

7 Claims. (Cl. 196—10)

7. An alkylation process which comprises reacting propene with isobutane in the presence of aluminum chloride and hydrogen chloride at an alkylating temperature above 0° C. and under sufficient pressure to maintain a substantial portion of the isobutane in liquid phase.

2,273,044

DEVICE FOR SUPPORTING AN IMPLEMENT ON A DIGIT DURING USE

Harry H. Johnson, Boston, Mass.

Application April 19, 1939, Serial No. 268,775

3 Claims. (Cl. 120—103)



1. A device for holding a writing implement on a digit, said device comprising a tapered elastic sleeve portion of rubber or the like to provide a yieldable cushioning brace for the first joint of the digit and a second portion of rubber or the like carried by said first portion at the side thereof and apertured to receive and to hold said implement in desired relation to said sleeve portion, the axis of said second portion being disposed in converging relationship to the axis of said sleeve portion and also being disposed diagonally relative to the axis of said sleeve portion to hold said implement diagonally of the axis of the first named digit whereby said implement, regardless of length, may be held by said device in a substantially correct position for use and the muscular effort of the digits in using the implement may be reduced substantially to that required to guide the implement.

2,273,045

PROCESS FOR RECOVERING STEROLS

Percy L. Julian, Maywood, and John Wayne Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 8, 1940, Serial No. 344,384

20 Claims. (Cl. 260—397.2)

1. The process of recovering sterols which comprises extracting substantially dry, substantially oil-free soybean material containing sterols and a basic substance with a water miscible volatile ketone, separating the extract from the insoluble residue and concentrating the extract by evaporating the ketone in the presence of a basic substance.

2,273,046

PROCESS FOR RECOVERING STEROLS

Percy L. Julian, Maywood, and John Wayne Cole, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 8, 1940, Serial No. 344,385

11 Claims. (Cl. 260—397.2)

1. In a process for recovering sterols the steps comprising treating a concentrate containing sterols and impurities selected from the class consisting of other unsaponifiable organic matter, oil, phosphatides, soap and pigment impurities with heated glacial acetic acid to dissolve the sterols and the impurities, and cooling the solution to crystallize the sterols from the solution.

2,273,047

CAR WHEEL

Reid L. Kenyon, Middletown, Ohio, and Harry Tobin, Butler, Pa., assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

No Drawing. Application November 10, 1939, Serial No. 303,877

22 Claims. (Cl. 295—1)

1. A ferrous wheel for railroad rolling stock and the like containing carbon of the order of .70%, and manganese, the manganese in said wheel being limited to a maximum of 0.50%, the said wheel being rendered further resistance to thermal cracking and shelling by the addition of one-half to two pounds of aluminum per ton to the molten steel, the balance of the metal in said wheel being substantially all iron.

2,273,048

WIRE STRIPPING IMPLEMENT

Homer W. Kiefer, Princeton, N. J.

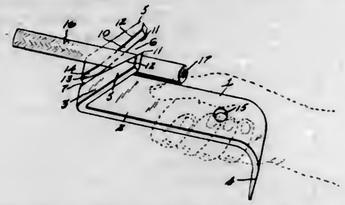
Application May 2, 1940, Serial No. 332,965

2 Claims. (Cl. 81—9.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A wire stripping implement comprising a

body portion including a pair of opposed jaws at one end having a tapered notch between them forming an opening to embrace an insulated wire, the sides of said notch converging and terminating in a slot, a cutting edge provided on the sides of said tapered notch and adapted to sever



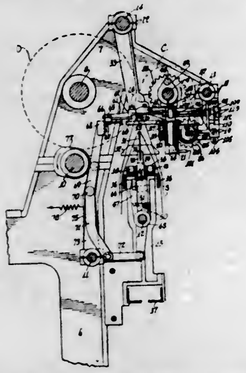
insulation on said wire and an inclined surface formed on the sides of said tapered notch against which the insulation may abut to separate it after being severed, said implement adapted to strip the insulation from the wire when drawn lengthwise thereto between said jaws.

2,273,049

SIGNATURE GATHERING

Paul E. Kleineberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Application January 16, 1940, Serial No. 314,120
23 Claims. (Cl. 270—56)



1. The method of insert gathering of signatures comprising methodically extracting signatures from each of the series of signature supply stacks for gathering and conveying as groups upon a main saddle, transferring each extracted signature from its stack and opening and depositing it astride a preliminary saddle, thence advancing it to position straddling the main saddle as part of a signature group; calipering each individual signature after its opening upon the preliminary saddle but before its deposit upon the main saddle, and utilizing the results of such calipering to control the disposition of a signature group which is defective by reason of absence or erroneous thickness of one or more signatures.

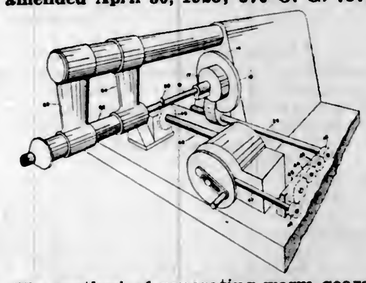
23. A caliper for gaging signatures during edgewise travel to a group conveyor, comprising a driven sector with a concentric edge opposed by a gaging roller mounted on a carrier to advance in a path diverging gradually from concentricity with the sector, with means to restrain its advance so that it takes a longitudinal position according to the signature thickness.

2,273,050

WORM GEAR CUTTING

Frederick P. Kruse, Berkeley, Calif.

Application October 31, 1938, Serial No. 237,977
3 Claims. (Cl. 90—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



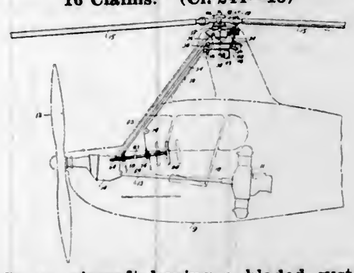
1. The method of generating worm gears having teeth of an involute form by means of a single tooth cutter, which comprises rotating the gear blank and the cutter in synchronism at such speeds that the path of the cutter with respect to the gear blank coincides with the thread of the worm with which the gear is intended to mate until an initial cut has been made for every tooth space of the gear, axially shifting the cutter-bar a distance equal to a whole number of times the axial pitch of the mating worm, until the cutter lies at the approximate point where contact between the mating worm and the finished gear will occur, taking a second cut in every tooth space of the gear, axially shifting the cutter-bar in a direction opposite to that of the initial shift and an amount equal to a fractional part of the axial pitch of the worm and rotating the gear blank such that a point on its pitch circle adjacent the cutter moves through the same distance and in the same direction, taking another cut in every tooth space of the gear and repeating the last mentioned combined axial shift of the cutter and angular shift of the gear blank, followed by a cut in every tooth space, until the cutter has been moved through entire distance wherein contact between the gear and the worm will occur.

2,273,051

CONTROL SYSTEM FOR AIRCRAFT HAVING SUSTAINING ROTORS

Agnew E. Larsen, Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application May 23, 1938, Serial No. 209,511
16 Claims. (Cl. 244—18)



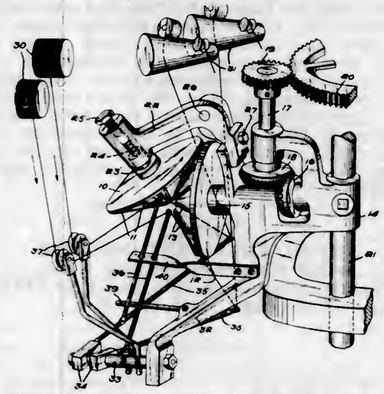
2. In an aircraft having a bladed sustaining rotor, control mechanism for moving the rotor blades to effect a shift in the lift line of the rotor including a pair of rotative members, tension elements engaging said members and extended therefrom toward the rotor head for moving the rotor blades in senses providing for lateral and longitudinal control, respectively, a manually operable control wheel, an axis member for said wheel axially movable with respect to both of said rotative members, one of said rotative members being rotatable with said axis member and the wheel, and means including spiral tongue and groove parts for connecting the other of said rotative members to the axis member providing for rotation thereof upon displacement of the axis member and wheel.

2,273,052

STRAND FEEDING MECHANISM

Robert H. Lawson, Lakeport, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application September 20, 1940, Serial No. 357,598
16 Claims. (Cl. 66—132)



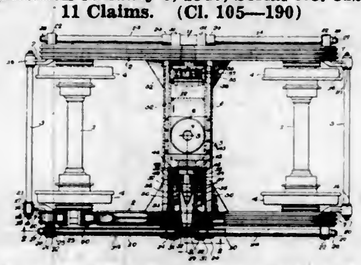
1. Strand feeding mechanism, including in its structure cooperating members rotatable about angularly disposed axes and having conical surfaces provided with intermeshing recesses and teeth providing strand-seizing projections at one end, and a filament guide movable to direct a filament between said conical surfaces in paths at different distances from their small ends.

2,273,053

TORSION SPRING SUSPENSION FOR RAILWAY TRUCKS

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 5, 1940, Serial No. 312,469
11 Claims. (Cl. 105—190)



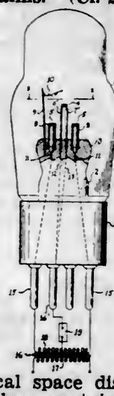
1. In a truck having a frame and a bolster, means for resiliently mounting said frame and said bolster with respect to one another, comprising a torsion spring extending along one of the longitudinal sides of the frame, said spring consisting of an outer element in the form of a tube and an inner element rotatably accommodated within the bore of the tube, said elements being rigidly secured to one another at one pair of ends, means connecting the remaining end of the one of said elements to the frame and lever means connecting the remaining end of the other element to the bolster.

2,273,054

THERMIONIC GASEOUS DISCHARGE RECTIFIER

James D. Le Van, Belmont, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware

Application February 27, 1935, Serial No. 8,464
Renewed June 24, 1939
6 Claims. (Cl. 250—27.5)



3. An electrical space discharge device comprising an envelope containing an ionizable gas at a pressure sufficiently high to produce a self-sustaining arc, and electrodes adapted to support an ionizing discharge through said gas, one of said electrodes being a thermionic cathode adapted to be heated to temperature of thermionic emission solely by the current passing through said discharge, said cathode comprising a metallic ribbon having a thickness of the order of magnitude of .0006 inch and a width of the order of magnitude of .01 inch having thereon a coating of electron emissive material, and having a sufficiently small mass to be heated to temperature of thermionic emission in a period of the order of magnitude of half a second when connected to a normal full load circuit.

2,273,055

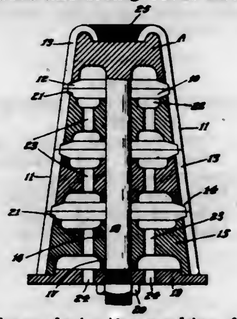
DIE FOR THE MANUFACTURE OF FIBROUS MOLDED PULP ARTICLES

George J. Manson, Brantford, Ontario, Canada, assignor to Keyes Fibre Company, Portland, Maine, a corporation of Maine

Substitute for abandoned application Serial No. 493,831, November 6, 1930. This application February 4, 1938, Serial No. 188,651
2 Claims. (Cl. 92—54)

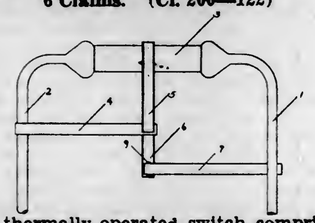
1. A pulp molding die, comprising a plurality of superposed horizontal mold sections assembled in face to face abutment, said mold sections having solid working faces provided with relatively narrow closely spaced vertically extending groove-like channels, a mounting spindle assembled with the uppermost mold section, a clamp-

ing plate for said spindle assembled with the lowermost mold section, all of said mold sections except the uppermost section having in their non-working surfaces vertically alined openings for the reception of said mounting spindle whereby the several mold sections may be held in fixed assembly, the abutting faces of adjacent pairs of mold sections each having an annular groove and said grooves intersecting the



drainage channels in the working faces of said mold section pairs thereby forming drainage recesses and providing means for the exhaustion of water from said drainage channels and interiorly through the body of the die, and each mold section except the uppermost mold section further having interior openings extending vertically therethrough and connecting said drainage recesses with one another.

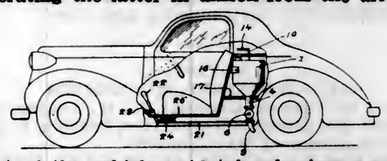
2,273,056
ELECTRIC DISCHARGE LAMP AND STARTING DEVICE THEREFOR
Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 2, 1940, Serial No. 321,946
6 Claims. (Cl. 200—122)



1. A thermally operated switch comprising: a high-resistance rod; a bimetallic strip electrically connected to one end of said rod and bent around the middle only of said rod, with a free end extending away from said rod and bearing an electrical contact point; an electrically insulating and heat-conducting solid coating over the surface of said rod and between said surface and the entire bent portion of the bimetallic strip; and another electrical contact, the latter being electrically connected to the other end of the resistance rod and in position to meet the contact on the bimetallic strip when the latter is distorted by heating.

2,273,057
SANDING DEVICE FOR MOTOR VEHICLES
Philip Meider, Glassport, Pa., assignor of one-half to Frank A. Kelley, Glassport, Pa.
Application September 23, 1940, Serial No. 357,972
1 Claim. (Cl. 291—48)

A sanding device for a motor vehicle, comprising a pair of containers providing reservoirs, each container including an upper cylindrical portion, a conical lower portion and a top wall provided with an inlet opening, tubes secured to and depending from the top walls for disposal centrally within the containers and through the lower ends thereof, valves secured to the lower ends of the tubes, discharge nozzles secured to the valves for directing sand to the roadway in the path of the traction wheels of the vehicle, a spring urged hand lever linked to the valves for operating the latter in unison from the driver's



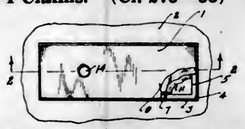
seat of the vehicle, said tubes having openings therein for the passage of sand from the containers into the tubes for sifting the sand before it reaches the valves, sand agitating means for the tubes and including rods, plugs closing the upper ends of the tubes and having the rods mounted therein for rotation axially of the tubes, said rods extending above the plugs and having their upper end portions bent to provide handles disposed at right angles to the remaining portions of the rods, and teeth formed on the rods along the length of the portions thereof within the tubes.

2,273,058
AUTOMATIC SAFETY CONTROL
Arthur Miller, Leavenworth, Kans.
Application February 4, 1938, Serial No. 188,703
14 Claims. (Cl. 180—82)



1. In a control for a conveyance having a housing secured thereto and a weight movably mounted therein and switch means electrically connecting said switch means to the engine propelling said conveyance to stop the engine by the movement of said weight, magnetic means restraining the movement of said weight and coacting with gravity in returning said weight and said switch means to the normal operating position.

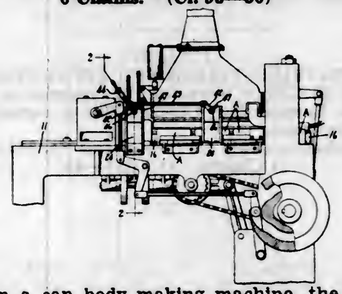
2,273,059
GOLF BALL DRIVING MAT FOR AUTOMATIC TEEING MACHINES
Joe Mozel, Portland, Oreg.
Application December 18, 1940, Serial No. 370,728
4 Claims. (Cl. 273—33)



1. A golf ball driving tee comprising a metallic frame to seat in a recess formed in the normal driving ground, the frame including a horizontal portion and a vertical portion, a sponge rubber cushion resting upon and conforming in area to that of the horizontal portion of the frame,

the upper surface of the cushion being below the upper edge of the vertical portion of the frame, a metal plate resting upon the cushion within the vertical portion of the frame, and a resilient driving layer secured upon the metal plate, the metallic plate and resilient layer having such relation to the metallic frame as to be slightly floatable within said frame.

2,273,060
CAN BODY MAKING MACHINE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 24, 1940, Serial No. 354,114
6 Claims. (Cl. 93—36)



1. In a can body making machine, the combination of feeding devices for advancing fibre can body blanks along a predetermined path of travel, a forming horn disposed adjacent the path of travel of the blanks and around which the blanks are wrapped to produce can bodies, devices for supporting said horn spaced from the path of travel of said feeding devices, and means carried by said supporting devices and engageable with said horn for shifting the same relative to said feeding devices so that crushed fibre body blanks may be readily extricated when a jam occurs in the machine between said horn and said feeding devices.

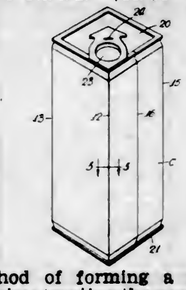
2,273,061
ALUMINUM BASE ALLOYS
Alfred John Murphy, Petts Wood, and Stanley Alfred Edward Wells, Teddington, England, assignors, by mesne assignments, to Electro Metallurgical Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application April 16, 1937, Serial No. 137,280. Renewed August 4, 1939. In Great Britain May 5, 1936
2 Claims. (Cl. 75—142)

2. Aluminum base alloy containing 0.5% to 12% copper, 0.5% to 5% nickel, 0.2% to 2.5% silicon, 0.1% to 3% magnesium, 0.2% to 2% iron, 0.05% to 1% columbium, remainder aluminum; the columbium acting to produce in the alloy a fine grained structure which is maintained over a wide range of melting, casting, and working conditions, and to raise the ratio of the ductility of the alloy to its tensile strength without decreasing the tensile strength.

2,273,062
STABILIZATION OF OILS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1938, Serial No. 231,344
7 Claims. (Cl. 23—250)

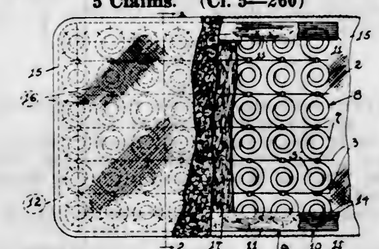
1. A composition containing a substantially unoxidized oil, said oil being subject to oxidative deterioration upon standing or heating in the presence of air and said composition containing sufficient substantially unoxidized oil to produce deterioration of the composition upon oxidative deterioration of said oil, said oil being selected from the group consisting of the non-volatile fixed glyceride oils and fats of vegetable and animal origin, said composition containing the reaction product of a relatively small amount of an oil insoluble, carbohydrate containing fiber free and starch free antioxidant material extracted by a solvent selected from the group consisting of water and alcohol from a finely divided raw unbleached low oil and low lecithin containing cereal flour, said antioxidant material having been dispersed throughout the body of the composition, said reaction product having been formed by heating said antioxidant material with the oil at a temperature of at least about 250° F.

2,273,063
PAPER CONTAINER
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
Application August 5, 1940, Serial No. 351,546
5 Claims. (Cl. 93—36)



1. A method of forming a paper container which comprises treating the paperboard material with an aqueous dispersion of an antioxidant and causing said paperboard to absorb and take up said antioxidant over the entire surface thereof, pressing said paperboard at an elevated temperature to harden the surface thereof and to cause a thorough combination between the antioxidant and the paper surface, cutting and forming the paperboard to a container, and then coating the container with a waterproofing composition.

2,273,064
SPRING UNIT FOR MATTRESSES
David T. Owen, Cleveland Heights, Ohio, assignor to Hanna G. Dimick, Cuyahoga Falls, Ohio
Application May 10, 1940, Serial No. 334,410
5 Claims. (Cl. 5—260)



1. A spring unit for inner spring mattresses including rows of coil springs arranged side by

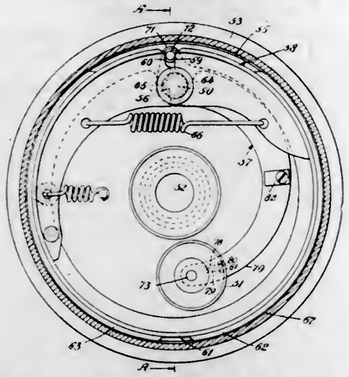
side and coupled with each other to form a spring body of slightly less length and width than the spring unit, straight edge strips of pasteboard seated on the end coils of the springs of the outer ones of said rows extending outwardly beyond the said end coils to form outwardly extended straight edges on said spring unit and properly dimension its top and bottom faces, layers of spring covering between said strips and said coil springs, and clips jointly securing with said strips and spring covering to the end coils of the outer ones of said rows of coil springs.

2,273,065

ELECTROMAGNETICALLY CONTROLLED APPARATUS AND METHOD THEREFOR

William F. Penrose, Irvington, N. J., assignor to Empire Electric Brake Corporation, a corporation of Delaware

Application February 28, 1940, Serial No. 321,169
21 Claims. (Cl. 188—138)



14. In an electromagnetically actuated brake, a drum having an upright web, a non-rotatable support disposed adjacent said drum, a brake shoe and an anchor therefor carried by said support, and means for applying said brake comprising a lever, a pivot pin fixed on said support within said drum and about which pin said lever is pivoted, a flat-face armature within said drum adapted to be rotated with said drum about the drum axis, a compact flat-face direct-current electromagnet wholly supported by said lever at a point more than 90° from the point of pivotal connection of said lever on said support, said electromagnet being non-rigidly supported on said lever to permit of both axial and limited universal pivotal movement and with the electromagnet face in continuous flat rubbing contact relation with said armature, and means including a source of direct current voltage for controllably energizing the winding of said electromagnet.

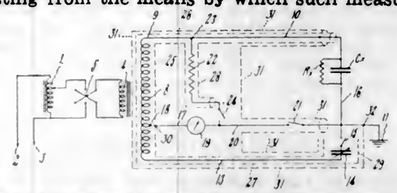
2,273,066

METHOD AND MEANS FOR DETERMINING QUALITIES OF DIELECTRICS

Edmund H. Povey and Eric A. Walker, Medford, Mass., assignors to Doble Engineering Company, Medford, Mass., a corporation of Massachusetts

Application April 26, 1938, Serial No. 204,324
5 Claims. (Cl. 175—183)

1. The method of determining the power factor of a capacitor which consists in applying an alternating electromotive force to such capacitor, measuring quantities indicative of the total current through said capacitor, substantially eliminating from the means by which such measure-



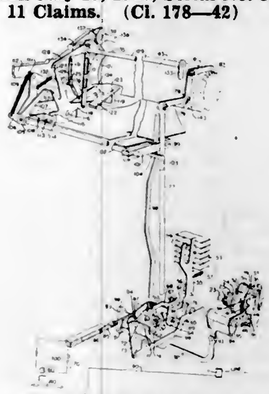
ments are taken the out-of-phase component only of said alternating current, and measuring the in-phase component of such current.

2,273,067

PRINTING TELEGRAPH APPARATUS

Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application July 13, 1940, Serial No. 345,259
11 Claims. (Cl. 178—42)



1. In a printing telegraph apparatus, single magnet selecting means, mechanism for feeding a record strip, means effective under control of said means for initiating operation of said feeding mechanism, and all-mechanical means controlled solely by a single designation in the record strip for interrupting operation of said feeding mechanism at a point determined by the location of said designation in the record strip.

2,273,068

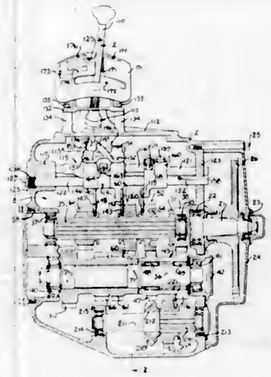
TRANSMISSION

James S. Ross and Wayne H. Worthington, Waterloo, Iowa, assignors to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa

Application April 11, 1938, Serial No. 201,282
7 Claims. (Cl. 74—473)

1. In a transmission, a housing, a pair of stationary rails mounted in parallelism therein, a shift rail movably mounted therein intermediate said stationary rails and parallel thereto, a shiftable member supported for sliding movement on the two outer rails, a pair of oppositely disposed shiftable members slidable, respectively, on said outer rails, means fixing the intermediate rail to said first mentioned shiftable member, a yoke fixed to said intermediate rail between said last mentioned shiftable members, said yoke and intermediate rail being shiftable relative to the outer rails from one position to another and said

pair of opposed shiftable members having pairs of sockets disposed opposite said yoke in each of the positions of said intermediate rail, a gear shift lever having its lower end engaged in said yoke for shifting said intermediate rail from one position to another and adapted in either position



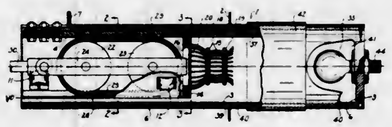
to be disengaged from said yoke and to engage either of said pair of shiftable members, a plurality of sets of gears controlled by said pair of shiftable members, and gear means controlled by said first mentioned shiftable member for controlling the ratio at which said sets of gears may be driven.

2,273,069

DISCONNECTING SWITCH

Allen M. Rossman, Wilmette, Ill.

Application August 23, 1937, Serial No. 160,520
17 Claims. (Cl. 200—48)



1. An electric switch including a member mounted for rectilinear movement, a contact making member associated with the first member and movable therewith, means responsive to movement of the first member for moving the contact making member rectilinearly with respect to the first member in the direction of movement of the first member whereby the speed of the contact making member is the sum of its speed with respect to the first member plus the speed of the first member itself, said means including gearing one part of which is carried by the first mentioned member and is rotated by rectilinear movement thereof, and a driving connection between said rotated part and the contact making member, said driving connection including a flexible conductor looped over said rotated part and mechanically connecting the contact making member with a stationary portion of the switch.

2,273,070

WITHDRAWN

2,273,071

HOSIERY AND METHOD FOR PRODUCING THE SAME

Edward W. Rugeley and Theophilus A. Feild, Jr., Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application October 27, 1939, Serial No. 301,616
17 Claims. (Cl. 66—178)

1. A knitted stocking containing textile fibers made from vinyl resins substantially identical with those which may result from the conjoint polymerization of vinyl halides with vinyl esters of aliphatic acids, and having an average macromolecular weight of at least about 15,000.

2,273,072

ACCESSORY FOR GARMENT IRONING OPERATIONS

James W. Steele, North Kansas City, Mo.

Application July 2, 1938, Serial No. 217,206
2 Claims. (Cl. 24—81)



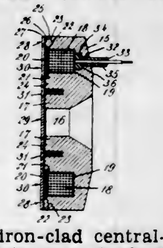
1. A garment clasping device of the character described, comprising a main body or spacing portion, a pair of approximately V-shaped clamping elements each having one of its arms terminating in a jaw for clamping engagement with one of the ends of said body portion and the other arm of each clamping element forming an outwardly projecting finger-engaging portion, the finger-engaging portions of the two clamping elements extending in adjacent relation for simultaneous engagement and operative movement toward each other for withdrawing the jaws of said clamping elements from clamping position, and a spring member attached to the mid-portion of said main body portion and also to the finger-engaging portions of said clamping elements and operative to maintain the latter in normally spread relation to effect the clamping action of said jaws.

2,273,073

ELECTROMAGNET

Frank C. Stockwell, Hoboken, and William F. Penrose, Irvington, N. J., assignors to Empire Electric Brake Corporation, a corporation of Delaware

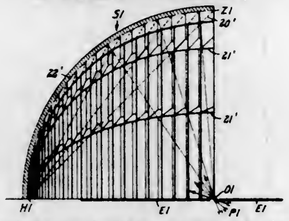
Application February 28, 1940, Serial No. 321,168
15 Claims. (Cl. 188—164)



1. A compact iron-clad central-core flat-face direct current electromagnet adapted to be operated in continuous relative movement sliding friction engagement with a flat-face armature plate, having a structure comprising, a circular cylindrical casing of ferromagnetic material providing a yoke and an annular winding space open at the face of the casing between concentric central and outer cores, the depth and radial

width of said winding space being proportioned to provide a substantially uniform area of magnetic path in said casing, said proportioning being determined by both the outside diameter of said casing and the yoke thickness at the center line of the winding space, a non-magnetic gap of non-magnetic material interposed in the said magnetic path, and a separate working facing arranged over said non-magnetic material gap, said interposed gap being adapted to assure nicety of electromagnet control and to prevent substantial residual magnetic attraction between electromagnet and armature.

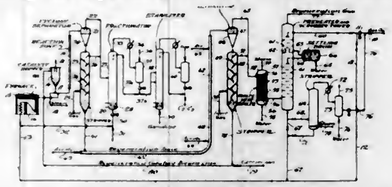
2,273,074
SCREEN FOR PICTURE PROJECTION
Fred Waller, Huntington, N. Y., assignor, by direct and mesne assignments, to Vitarama Corporation, New York, N. Y., a corporation of New York
Application June 14, 1938, Serial No. 213,565
15 Claims. (Cl. 88—24)



1. A picture projection screen adapted to prevent degrading effects of diffused light, comprising in combination, a double-curved concave foundation structure or pitch surface, and a plurality of surface integrating elements carried by said foundation structure for preventing dispersed rays of light reflected from one part of the screen from impinging on another part of the screen, said surface integrating elements comprising relatively small surfaces joining said pitch surface at the root edge and having the other edge spaced from the pitch surface, the height of the spaced edges of the small integrating surfaces increasing progressively away from a fixed point on the pitch surface, said small integrating surfaces being formed as truncated cones generated from a focal point in an axis of said pitch surface, and the height of the outer edges of the small integrating surfaces being determined by their intersection with other conical surfaces generated from a focal point in an axis of said pitch surface and which pass approximately through the root or intersection of the next adjacent integrating surface with the pitch surface.

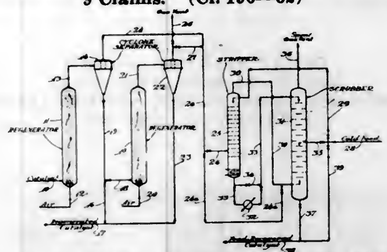
2,273,075
POWDERED CATALYST SYSTEM
George S. Weems, 3rd, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 30, 1940, Serial No. 368,017
8 Claims. (Cl. 196—52)

1. The method of converting normally liquid hydrocarbon charging stocks into high quality motor fuels which comprises heating said charging stocks to a temperature of about 800 to 1100° F., contacting said heated charging stock with a powdered catalyst for converting substantial amounts thereof into high quality motor fuel, the catalyst becoming coated with a carbonaceous deposit during said conversion step, separating said coated catalyst from hydrocarbon vapors, regenerating said separated catalyst by the introduction of air for effecting the combustion of carbonaceous deposits therefrom at a temperature not exceeding about 1100° F. whereby hot regeneration gases are produced, mechanically separating most of the regenerated catalyst from the hot regeneration gases and returning the separated catalyst to said contacting



step, cooling said hot regeneration gases to a temperature of about 700° F., scrubbing said cooled regeneration gases with at least a portion of the charging stock whereby said charging stock picks up both heat and suspended catalyst from said regeneration gases and introducing the charging stock from said scrubbing step to said charging stock heating step.

2,273,076
POWDERED CATALYST REGENERATION AND RECOVERY
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 30, 1940, Serial No. 368,081
9 Claims. (Cl. 196—52)

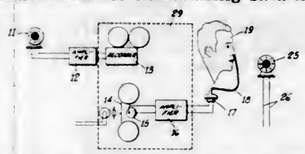


1. In a catalytic conversion system wherein carbonaceous material is deposited on catalyst in a reaction zone and is subsequently burned from said catalyst in a regeneration zone, the method of separating regenerated catalyst from hot regeneration gases which comprises mechanically separating most of the catalyst from the hot regeneration gases, stripping the remainder of the catalyst from the hot regeneration gases by scrubbing said gases with at least a part of the incoming charging stock to said system, and contacting the scrubbed gases with a non-volatile absorber oil characterized by a low vapor pressure for preventing losses of vaporized charging stock with regeneration gases.

2,273,077
MEANS AND METHOD OF PRODUCING SOUND EFFECTS
Gilbert M. Wright, Los Angeles, Calif.
Application October 10, 1938, Serial No. 234,121
6 Claims. (Cl. 272—14)

3. In combination, means responding to electrical currents representing audio frequency sound waves having magnitudes of amplitude and frequency variation of the order of those occurring in speech and music, said means generating

mechanical energy corresponding to such sound waves, and means for introducing said mechani-



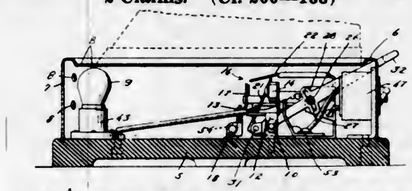
cal energy into the vocal parts of the human body for modulation upon movement of said vocal parts.

2,273,078
MEANS AND METHOD FOR PRODUCING SOUND EFFECTS
Gilbert M. Wright, Los Angeles, Calif.
Application March 27, 1939, Serial No. 264,399
6 Claims. (Cl. 272—14)



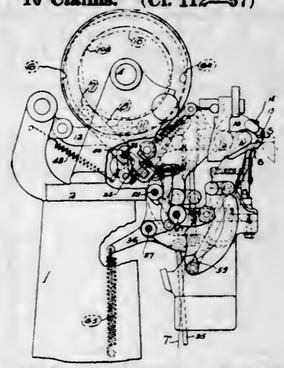
3. A method of the character described, comprising: mechanically applying vibrations of audible frequencies to the skin of a human in the region of the throat, transmitting such vibrations through the skin to cause the air within the vocal cavities to vibrate, and then molding the sound waves thus generated within the vocal cavities to impart to them the understandability of speech, by means of the tongue and lips and without the use of the vocal chords of the human to which such vibrations are applied.

2,273,079
ELECTRIC IRON CONTROL
John Wright, Parkland, Md.
Application October 11, 1940, Serial No. 360,845
2 Claims. (Cl. 200—138)



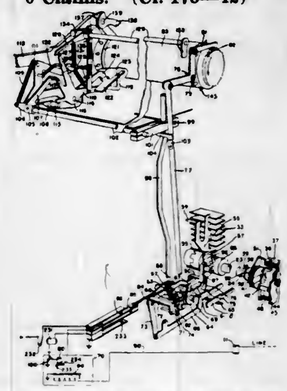
1. A thermal switch comprising a thermal member, a contact, a spring actuated finger held against the contact by the thermal member when the thermal member is contracted, the spring of the finger moving the finger away from the contact when the finger is released by expansion of the thermal member by heat, a hinge member including a part of non-conducting material against which the spring of the finger moves the finger when released by the thermal device, manually operated means for moving the hinge member to press the finger against the contact and to a position where it will be engaged by the thermal member when the same is in normal condition, a second contact against which a conducting part of the hinge member is moved when the hinge member is engaged by the finger and yieldable means for normally holding the hinge member out of engagement with the second contact.

2,273,080
SHOE STITCHER STRUCTURE
Eugene G. Wolf, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application July 17, 1939, Serial No. 284,819
10 Claims. (Cl. 112—57)



1. In a stitching machine, a thread lock including a thread engaging member, cam mechanism for positively holding said member against the thread during a portion of the cycle of operations of the machine and for positively releasing the thread from said member during another portion of said cycle, and manually operable means for releasing the thread engaging member of the lock at any point in the cycle of operations of the machine.

2,273,081
PRINTING TELEGRAPH APPARATUS
Raymond E. Zenner, Brookfield, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 13, 1940, Serial No. 345,257
6 Claims. (Cl. 178—42)



1. In a printing telegraph apparatus, mecha-

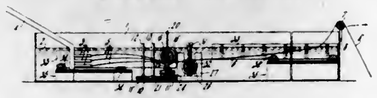
nism effective normally to advance a record strip step-by-step, signal controlled means, means releasable by said signal controlled means for operating said advancing mechanism, an instrumentality selectable by said signal controlled means, means operated by said instrumentality for controlling the consecutive operation of said advancing mechanism, and means controlled solely by a single designation in the record strip for interrupting said consecutive operation of said advancing mechanism at a point determined by the location of said designation in the record strip.

2,273,082

MANUFACTURE OF MULTIFILAMENT RUBBER THREADS

Lucius Dexter Aldrich, North Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 15, 1938, Serial No. 213,762
16 Claims. (Cl. 18—8)



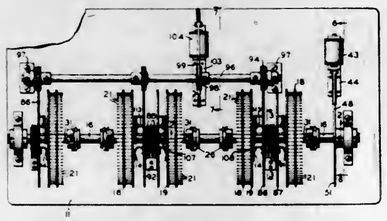
9. Apparatus for producing a multifilament rubber thread comprising a tank, a fluid medium within said tank, means for drawing a plurality of at least partially coagulated rubber filaments through said fluid medium, and grouping means intermediate the ends of the tank for grouping such filaments, said grouping means comprising a member having a lower forming surface below the surface of said fluid medium adapted to adhere together into a thread of the desired grouping configuration a plurality of filaments being drawn through said fluid medium.

2,273,083

TELEGRAPH STORAGE TRANSMITTER

Herbert Angel, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application August 17, 1940, Serial No. 353,011
10 Claims. (Cl. 178—17.5)



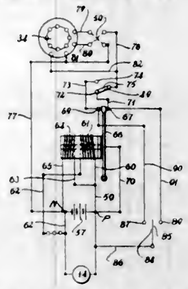
1. In a signal storage telegraph device, a rotatable shaft, a plurality of arms rotatable with said shaft and movable along the axis thereof, a plurality of sets of mechanical elements arranged in rings around said shaft and having normal and operated positions, means responsive to a received signal group for selectively moving said arms in accordance therewith to move said mechanical elements in the direction of the axis of said shaft whereby groups of elements, one from each ring, are positioned into operated and normal positions to represent according to a predetermined arrangement received signal groups.

2,273,084

AUTOMATIC CONTROL FOR WIND POWER UNITS

Benjamin Roy Ansley, Fargo, N. Dak.

Application April 25, 1940, Serial No. 331,540
4 Claims. (Cl. 290—44)



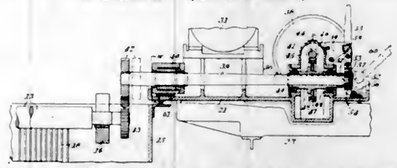
1. In combination with a generator actuated by a wind wheel and a battery charged by the generator, a rod supported for vertical movement, means connected with the upper end of the rod for stopping the generator when the rod is moved downwardly and for starting the generator when the rod moves upwardly, a reversible motor, switch means for controlling the circuit to the fields thereof, second switch means for controlling the circuit to the motor, means actuated by the motor for moving said rod vertically and means carried by the rod for actuating both switch means.

2,273,085

DRIVE MECHANISM FOR SHEET COATING APPARATUS

Henry S. Bell, Wheeling, W. Va., and Hans E. Melin, Youngstown, Ohio, assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio

Application October 25, 1940, Serial No. 362,756
4 Claims. (Cl. 91—12.7)



1. A drive for the exit rolls of a sheet-feeding rig adapted to be disposed on a pot containing molten coating metal, said drive comprising a motor, a shaft extending over one of said rolls and geared thereto, and normally preventing removal of said rolls, gearing connecting said motor and said shaft, and means mounting said shaft for sliding movement relative to said gearing whereby it may be retracted relative to said motor and gearing to clear said rolls and facilitate changing thereof.

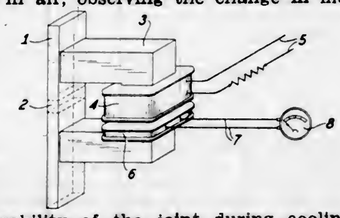
2,273,086

METHOD OF COOLING WELD JOINTS

William A. Bruce, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 12, 1939, Serial No. 289,934
1 Claim. (Cl. 148—21.5)

In the cooling of a weld joint between steel pieces the steps of setting up a magnetic circuit, including the joint, while the joint is still substantially at welding temperatures, cooling the joint in air, observing the change in magnetic



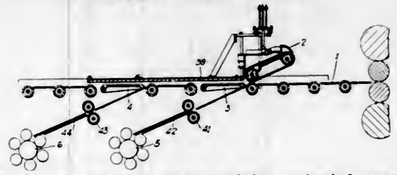
permeability of the joint during cooling, and quenching the joint when the change is complete.

2,273,087

GUIDE MECHANISM

Thomas L. Burrell, Cleveland, Ohio

Application May 3, 1941, Serial No. 391,683
8 Claims. (Cl. 242—76)



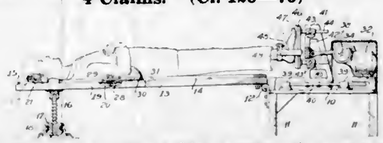
1. Apparatus for guiding strip material passing along a conveyor or the like comprising a pair of vertically-movable parallel frames, strip end-engaging means inclined to the horizontal mounted between said frames, means for actuating said strip end-engaging means, and means for adjusting said frames vertically.

2,273,088

MASSAGING TABLE

George Byers, Los Angeles, Calif.

Application January 3, 1940, Serial No. 312,193
4 Claims. (Cl. 128—73)



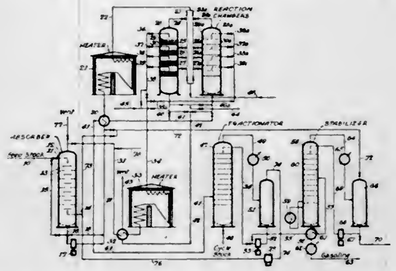
4. In a massaging table, a support, a one piece body supporting table positioned in front of and hinged to said support so as to swing bodily on a horizontal axis, the tops of said table and support occupying substantially the same horizontal plane, means for raising the other end of the table so as to vary the inclination thereof, rails mounted on the sides of said table at one end thereof, said rails being provided with slots, plates adjustably positioned on said rails above the slots therein, means passing through said plates and through the slots in said rails for clamping said plates to said rails in differently adjusted positions and elbow rests secured to said adjustable plates, pairs of aligned bearings on said support, rods arranged for sliding movement in said bearings, an upright frame secured to said rods, a motor mounted on said support, driving connections between said motor and said upright frame, rods adjustably seated in said brackets, means for clamping said rods to said brackets in differently adjusted positions, foot supports carried by the forward ends of said rods and means carried by said foot supports for engaging the ankles of the occupant of the table.

2,273,089

CATALYTIC CONVERSION APPARATUS

Morris T. Carpenter, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application January 12, 1938, Serial No. 184,669
3 Claims. (Cl. 196—107)



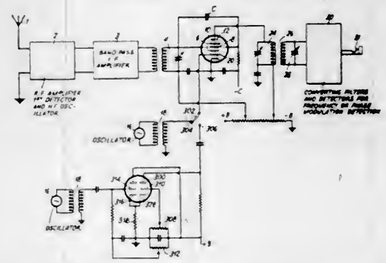
3. A catalytic hydrocarbon conversion system which includes a plurality of catalyst chambers, means including a first heat exchanger and a first pipe still heating coil for heating a hydrocarbon charging stock to reaction temperatures, means for selectively introducing said heated charging stock into one of said catalyst chambers, means including a second heat exchanger and a second pipe still heating coil for superheating a gas to a temperature of about 1000 to 1500° F., means for selectively introducing said gas into the same catalyst chamber into which the preheated charging stock is introduced, means for regenerating catalyst in the catalyst chamber in which the charging stock is not being introduced whereby hot regeneration gases are produced, means for passing said hot regeneration gases through said second heat exchanger, and means for passing hot reaction products from the other reactor through said first heat exchanger.

2,273,090

SUPERREGENERATIVE LIMITER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 3, 1940, Serial No. 317,041
17 Claims. (Cl. 250—20)



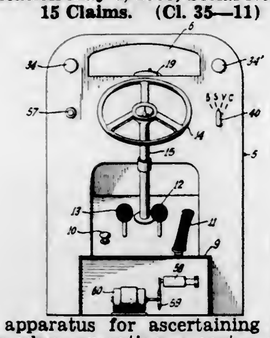
3. Means for frequency multiplying and simultaneously limiting the amplitude of angular velocity-modulated wave energy comprising in combination, a super-regenerative amplifier constructed to produce oscillations of constant amplitude, means for impressing said wave energy on said amplifier, and means for deriving wave energy of increased frequency limited as to amplitude from said amplifier.

2,273,091

APPARATUS FOR ASCERTAINING A SUBJECT'S BEHAVIOR WHEN OPERATING A MOTOR VEHICLE

Harry R. De Silva, Cambridge, Mass.

Application May 4, 1938, Serial No. 206,092
15 Claims. (Cl. 35—11)



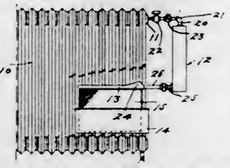
1. In apparatus for ascertaining a subject's behavior when operating a motor vehicle, the combination comprising a cabinet having a transparency and a plurality of motor vehicle controls, means including a road scene visible through said transparency for simulating driving conditions on a road, means for imparting limited lateral motion to said road scene whereby curves in the road about which the vehicle must be steered are simulated, a plurality of means associated with said road scene including mechanism selectively operable upon manipulation by a tester for giving respectively at the choice of a tester different stimuli that may be encountered on a road by an operator of a motor vehicle, means including mechanism to be selectively operated by the subject being tested at his will upon perception of said different stimuli for selectively registering different behavior characteristics of the subject being tested when subjected to said different stimuli, means for selectively registering the muscular response of the subject to said stimuli in selectively operating controls of a motor vehicle following perception of said stimuli and physical exhibition of perception response thereto by said subject, and means for selectively setting up a coordinated relation between a stimulus giving means chosen by the tester and a predetermined registering means to be actuated by a subject being tested whereby the subject's particular response to the stimulus given is registered and coordinated data as to his behavior are obtained.

2,273,092

HUMIDIFIER

George A. Dole, Minneapolis, Minn.

Application July 27, 1940, Serial No. 347,921
4 Claims. (Cl. 237—78)



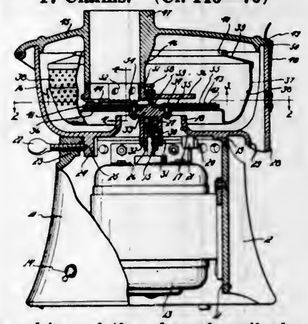
4. The combination with a radiator and a steam supply therefor, of a humidifier means mounted on the radiator and including a long narrow closed distributor having in its top a narrow discharge orifice extending substantially the full length thereof, means for taking steam from the radiator and discharging the same into the distributor at one end thereof, a long narrow drain pan directly under the distributor, and a curtain made of absorbent material between the distributor and the drain pan, said distributor having at its opposite end from its steam intake a short depending discharge spout through which condensation in the distributor is drained onto the curtain and into the drain pan, said curtain having a rigid marginal frame loosely resting on the bottom of the drain pan and supporting the curtain therefrom, said discharge spout having in its lower end a notch into which the curtain removably extends for holding the same in an upright position.

2,273,093

MACERATOR AND JUICE EXTRACTOR

Richard Drachenberg, Detroit, Mich.

Application May 19, 1937, Serial No. 143,548
17 Claims. (Cl. 146—76)



1. A machine of the class described, comprising: a rotatable plate; alternately arranged scraping blades and toothed blades projecting outwardly from one face of said plate; means for rotating said plate; a stationary chute open at one end, said end terminating in close proximity to said face of said plate, said chute being arranged eccentric of said plate; and a pair of spaced blades carried by and projecting beyond the open end of said chute for cooperating with said first-named blades upon rotation of said plate.

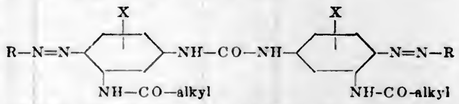
2,273,094

DISAZO DYESTUFFS SOLUBLE IN WATER

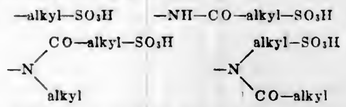
Erich Fischer, Bad Soden, Taunus, and Richard Huss, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 27, 1940, Serial No. 367,378. In Germany July 10, 1939
5 Claims. (Cl. 260—175)

1. The water-soluble disazo-dyestuffs of the following general formula:



wherein R stands for a radical of the benzene series containing as a substituent a member of the group consisting of



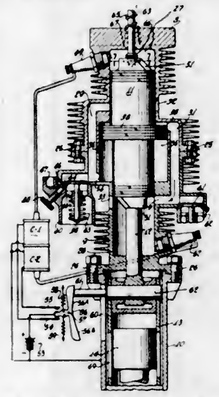
and X stands for a member of the group consisting of hydrogen, alkyl and alkoxy, being yellow to yellow-brown powders which dissolve in water to a yellow to orange solution and dye cellulose fibers yellow to orange tints which are distinguished by good properties of fastness, especially by a good capacity for being discharged.

2,273,095

INTERNAL COMBUSTION HAMMER

Clifford E. Fitch, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application August 11, 1939, Serial No. 289,547
1 Claim. (Cl. 123—7)



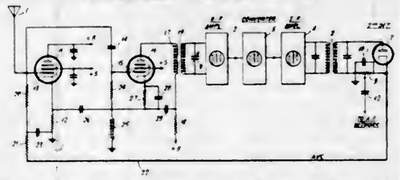
An internal combustion hammer, comprising a cylinder having a combustion chamber formed at each end thereof, a hammer barrel secured to one end of said cylinder and axially aligned therewith, a working tool supported at the outer end of said hammer barrel, a driving piston reciprocable within said cylinder, a hammer assembly within said barrel including a reciprocable cylindrical cage and a floating piston therein arranged to deliver impacts to said working tool, an ignition system including a contact element adapted when set in one position to cause an explosion in one of said combustion chambers and when set in another position to cause an explosion in the other of said combustion chambers, a connection between said driving piston and said cylindrical cage, and means comprised in said connection and extending laterally through an opening in said hammer barrel into engagement with said contact element for effecting operation of said element.

2,273,096

AUTOMATIC VOLUME CONTROL CIRCUIT

Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 30, 1937, Serial No. 171,817
8 Claims. (Cl. 250—20)



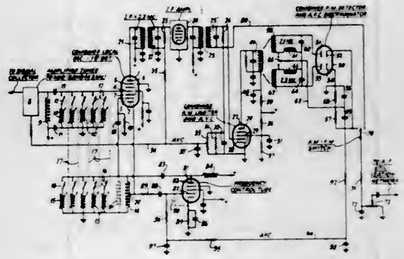
1. In a radio receiver, a signal transmission tube, means for applying signal energy between the control grid and cathode of the tube, an output circuit connected directly between the control grid and cathode of the tube, an impedance disposed in the space current path of said tube, means connecting said control grid and cathode of said tube across points of said impedance such that the signal voltage developed across the impedance is applied in degenerative phase between the two electrodes, and means automatically responsive to variations in amplitude level of received signals for varying the gain of said tube thereby to vary the signal voltage amplitude delivered to said output circuit.

2,273,097

FREQUENCY MODULATED WAVE RECEIVER

Dudley E. Foster, South Orange, N. J., and John A. Rankin, Jackson Heights, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application February 20, 1940, Serial No. 319,830
11 Claims. (Cl. 250—20)



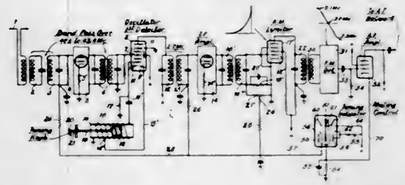
1. In a frequency modulation receiver, a tube having input and output electrodes, a frequency modulated wave input circuit, an impedance network connected between said frequency modulated wave input circuit and said tube input electrodes, an output circuit connected to the output electrodes, said impedance network deriving a direct current voltage from the frequency modulated wave applied thereto, the direct current voltage so derived serving to bias the input electrode, and the time constant of said impedance network being of the order of 1 to 25 microseconds.

2,273,098

ULTRA HIGH FREQUENCY RECEIVER

Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application February 20, 1940, Serial No. 319,831. Divided and this application August 16, 1940, Serial No. 352,857
5 Claims. (Cl. 250—20)



1. In a timing modulated carrier wave receiver, a limiter tube having a tuned input circuit including an impedance for deriving a direct cur-

rent voltage from impressed waves, an electronic indicator tube of the fluorescent target type adapted to have a variable luminescent area provided thereon, means for applying said voltage to said tube to control the said area, said limiter input circuit having a single-peaked resonance curve demodulator having an input circuit coupled to the limiter output circuit, and said limiter acting to provide a substantially flat-top response at said modulator input circuit.

2,273,099

ELECTRICAL CONNECTOR CONTACT ELEMENT STRIP AND THE METHOD OF MAKING THE SAME

Charles E. Gilbert, New York, N. Y.

Application June 15, 1939, Serial No. 279,280
2 Claims. (Cl. 113—119)



1. A strip of contact elements composed of a plurality of contact elements formed from a strip of conducting material, each element having two legs and being connected to the adjacent element by a section of one leg only so weak that each element may be easily severed from the adjacent element by longitudinal movement of one element with respect to the other.

2,273,100

CONDENSATION PRODUCTS

Anthony H. Gleason, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 5, 1936, Serial No. 67,369
9 Claims. (Cl. 260—618)

1. An improved wax-modifying agent comprising essentially a polymer-condensation product resulting from the reaction of an alcohol having a carbon chain of at least 10 carbon atoms and containing a reactive group selected from the class consisting of olefin linkages and halogen atoms, with an aromatic compound containing replaceable hydrogen atoms in the aromatic nucleus selected from the class consisting of aromatic hydrocarbons and phenolic and amino derivatives thereof, said polymer being soluble in lubricating oil and having a molecular weight above 600.

7. The process of preparing wax-modifying agents which comprises reacting an aliphatic alcohol having the general formula ROH, where the OH is an alcoholic hydroxyl group and R is a hydrocarbon chain of more than 10 carbon atoms containing a reactive group selected from the class consisting of olefin linkages and halogen atoms, with an aromatic compound containing replaceable hydrogen atoms in the aromatic nucleus and selected from the group consisting of aromatic hydrocarbons and phenolic and amino derivatives thereof, in the presence of a condensing agent of the Friedel-Crafts type, to produce a polymer-condensation product having a molecular weight above about 600, but stopping the reaction before rubbery products insoluble in hydrocarbon oils are formed, washing the reaction product with water or alkali to remove the condensing agent and recovering from the polymer-condensation product a fraction having a molecular weight above 600 and soluble in a hydrocarbon oil.

2,273,101

IRON OXIDE PIGMENTS AND PROCESS OF PRODUCING THE SAME

Ulrich Haberland, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 17, 1939, Serial No. 268,347. In Germany April 16, 1938
13 Claims. (Cl. 106—304)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

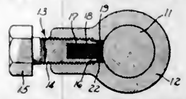
1. In the process of reducing an aromatic nitro compound involving the treatment of the nitro compound with iron and an agent hydrolysable in water to produce hydrogen ions, to the production of the corresponding amine and an iron oxide sludge, the steps which consist in reducing in the presence of an aqueous solution of a tin salt and of a compound other than the tin salt of a metal selected from the group consisting of a trivalent and a tetravalent metal and thereafter separating the sludge from the reaction mixture and purifying the sludge by levigating and washing out.

2,273,102

GRIP BOLT

Harry A. Harris, Whittier, and David Rasky, Los Angeles, Calif.

Application February 14, 1941, Serial No. 378,856
1 Claim. (Cl. 287—58)



A device for insuring the rigid locking of a primary member to or in a secondary member in such manner that said members, at any time, can be released from rigid relationship with each other, and the contact between the surfaces of said members will not be impaired due to said locking, comprising: a bolt threaded in said secondary member in such a manner that it may be advanced toward or retracted from the surface of said primary member by a rotation of said bolt; and a body of material softer than the material of said primary member, said material being carried in a cavity in the end of said bolt adjacent said surface, said material projecting beyond the end of said bolt in the form of an enlarged head smaller in diameter than the body of said bolt, so that, as said bolt is advanced toward said surface, said projecting end frictionally contacts said surface and is compressed between the end of said bolt and said surface.

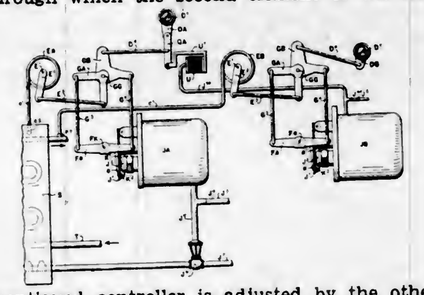
2,273,103

MEASURING AND CONTROL APPARATUS

Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application September 11, 1935, Serial No. 40,103. Divided and this application January 27, 1939, Serial No. 253,135
3 Claims. (Cl. 236—14)

1. The combination with a work heating furnace, of two air actuated controllers each including adjustable valve means and operating means therefor comprising a horizontally disposed floating lever, suspension means for said lever comprising two elements, one of said elements being a rock lever connected to one end of said floating lever and mounted for oscillatory adjustment about a horizontal axis to thereby raise and lower said one end of the floating lever and the other element being a vertically disposed ling pivotally connected at its lower end to the second end of said floating lever and adapted for longitudinal adjustment to thereby raise and lower said second end of the floating lever, means for adjusting one of the said elements of one controller in accordance with variations in temperature condition of the furnace, means through which the second element of the last



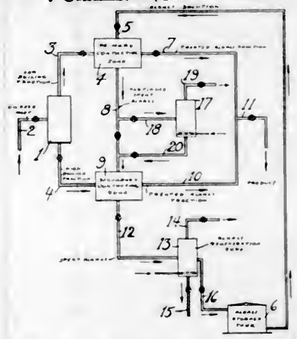
mentioned controller is adjusted by the other controller, means for adjusting one of the elements of said other controller in accordance with variations in the temperature of work heated in the furnace, means for adjusting the second of the two elements of the last mentioned controller to vary the normal value of the last mentioned temperature, and means through which the first mentioned controller regulates the supply of fuel to said furnace.

2,273,104

REFINING MINERAL OILS

William O. Heilman, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 24, 1941, Serial No. 380,272
7 Claims. (Cl. 196—32)



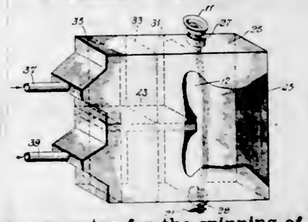
1. Process for the removal of mercaptan compounds from oils boiling above about 250° F., which comprises segregating the feed oil into a relatively low boiling fraction and into a relatively high boiling fraction, treating said relatively low boiling fraction in a primary contacting zone with an alkali metal hydroxide solution under conditions to remove the mercaptan compounds therefrom, separating the relatively low boiling treated oil from the alkali metal hydroxide solution, removing the respective streams of said low boiling treated oil and said alkali metal solution from the primary contacting zone, treating the relatively high boiling fraction in a secondary contacting zone with the separated alkali metal hydroxide solution removed from said primary zone under conditions to remove the mercaptan compounds therefrom, separating the relatively high boiling treated oil fraction and combining the same with the relatively low boiling treated oil fraction to produce a final finished product.

2,273,105

METHOD AND APPARATUS FOR THE PRODUCTION OF ARTIFICIAL STRUCTURES

Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 9, 1938, Serial No. 223,989
15 Claims. (Cl. 18—8)



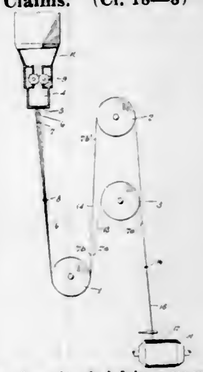
7. In an apparatus for the spinning of molten organic filament-forming compositions, a spinneret having a plurality of orifices for forming continuous filaments from said molten composition, a chamber through which said filaments are passed, means for directing a cooling medium with a straight-line flow through said chamber across said filaments, no two orifices in said spinneret being in the same straight line in the direction of movement of said cooling medium.

2,273,106

PRODUCTION OF ARTIFICIAL YARNS

Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

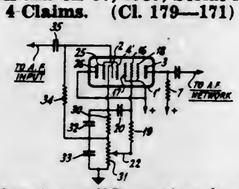
Application November 15, 1939, Serial No. 304,495
4 Claims. (Cl. 18—8)



1. Apparatus for diminishing yarn denier differences in the production of artificial yarn from filament-forming material which comprises a spinning nozzle for producing a plurality of filaments, guide means about which all of said filaments are passed to draw the same at equal speeds from said nozzle, a filament converging means, a second guide means positioned to guide at least one of said filaments from said first-named guide means to said filament converging means, a third guide means positioned to guide

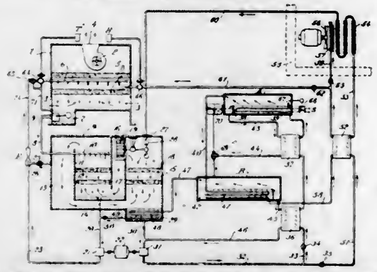
at least one other of said filaments from said first-named guide means to said filament converging means, said second guide means and said third guide means being so positioned that the distance from the first-named guide means about said second guide means to the convergence means is materially different from the distance from the first-named guide means about said third guide means to the convergence means.

2,273,107
AUTOMATIC GAIN CONTROL CIRCUIT
Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1939, Serial No. 264,942
4 Claims. (Cl. 179—171)



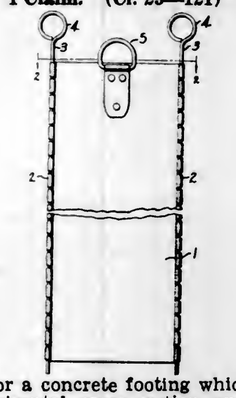
3. In a signal amplifier network, a tube having a cathode, two output electrodes, a pair of input electrodes connected to a source of signal and suitably disposed to control the electron current to said output electrodes and a gain control electrode suitably disposed to control the electron current to a first of said output electrodes, a source of direct current including suitable biasing means applied to the electrodes of said tube in such a manner that the direct current variations in electron current to said second output electrode substantially correspond to the average amplitude of said signal, a resistive impedance connected in series with the discharge paths of both of said output electrodes, and means for applying only the direct current potential variations across said resistive impedance to said gain control electrode.

2,273,108
METHOD AND APPARATUS FOR TREATING AIR
Frederick Hyde Hibberd, Harrison, N. Y.
Application May 24, 1938, Serial No. 209,652
13 Claims. (Cl. 62—129)



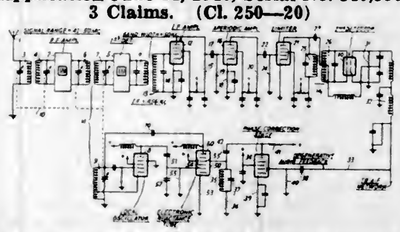
6. An air conditioning system comprising means for circulating a primary solution in successive contact with air under treatment and a body of rarefied air whereby moisture removed from the air under treatment by the primary solution is evaporated in said rarefied air, means for maintaining said rarefied air in its rarefied condition, means for circulating said rarefied air in successive contact with said primary solution and a secondary hygroscopic solution whereby moisture evaporated from said primary solution in said rarefied air is absorbed by and transferred to said secondary solution, means for evaporating moisture from said secondary solution, means for cooling said secondary solution, and means for returning the cooled and concentrated secondary solution into contact with the rarefied air.

2,273,109
FORM FOR CONCRETE FOOTING
Joseph M. Hightower, Houston, Tex., assignor to M. G. Shutte, Harris County, Tex.
Application February 27, 1939, Serial No. 258,720
1 Claim. (Cl. 25—121)



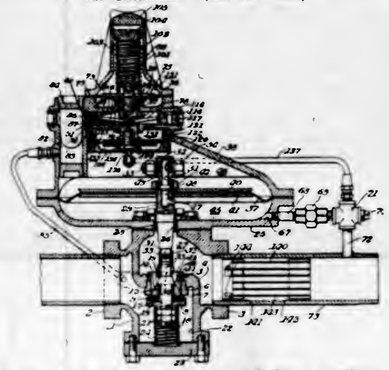
A form for a concrete footing which is polygonal in horizontal cross section and which is adapted to be set in an earth excavation, said form comprising similar flat sheet metal wall sections of greater vertical than transverse dimensions, said sections being thin and flexible, the side margins of each section being detachably connected to the adjacent side margins of the adjoining sections, each of said sections being of sufficient width to be bowed outwardly from end to end by the force exerted outwardly by the hydrostatic pressure of fluid concrete in the form, means connecting said adjacent margins, said connecting means being completely removable to completely release said margins to permit them to simultaneously move outwardly, said sections having sufficient strength to cause said margins to move outwardly when the connecting means is removed.

2,273,110
FREQUENCY MODULATED WAVE RECEIVER
Charles N. Kimball, East Orange, N. J., and George C. Szikiai, Bloomington, Ind., assignors to Radio Corporation of America, a corporation of Delaware
Application June 14, 1940, Serial No. 340,550
3 Claims. (Cl. 250—20)



1. In a method of receiving frequency modulated carrier waves, heterodyning collected frequency modulated waves with local oscillations of a frequency different from the frequency of the collected waves by an operating intermediate frequency, deriving from the intermediate frequency waves modulation component frequency voltage which corresponds to the frequency modulation of the collected waves, and varying the frequency of the local oscillations with the said modulation voltage thereby to produce frequency modulated local oscillations having a frequency deviation which is different from the frequency deviation of the aforesaid collected waves, amplifying said intermediate frequency waves whereby a phase delay occurs, and advancing the phase of the aforesaid audio voltage prior to frequency modulation of said local oscillations to an extent sufficient to compensate for said phase delay.

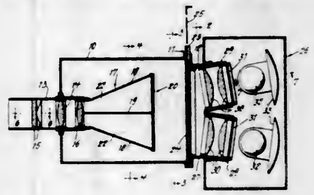
2,273,111
PRESSURE CONTROL SYSTEM
Frederick H. Kindl, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 6, 1939, Serial No. 260,049
12 Claims. (Cl. 50—11)



1. In a fluid pressure regulating system, the combination of high and low pressure mains, a valve for controlling the passage of fluid therebetween, means responsive to fluid pressure to govern the operation of said valve, a conduit to conduct flowing fluid from the high pressure main to one side of said means to bias said means, means providing a restricted passageway for conducting said flowing fluid to the opposite side of said means and discharging said restricted flow into said low pressure main, means to bias said valve against the bias of said first means, means responsive to a control pressure from one of said mains to control the pressure of flowing fluid on said first mentioned means, and means subject to the pressure of the flowing fluid and co-operating with said latter means to balance out the effect of changes in pressure of said flowing fluid thereon.

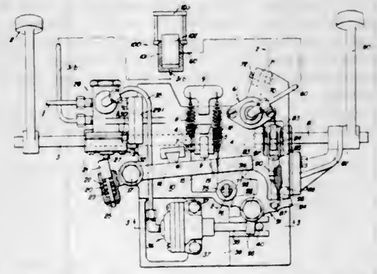
2,273,112
COLOR CAMERA AND PROJECTOR
John G. Kleinhenz, Rockville Centre, N. Y., assignor of fifteen per cent to Raymond F. Klaess, Rockville Centre, N. Y.
Application January 23, 1941, Serial No. 375,552
4 Claims. (Cl. 88—16.4)

1. A camera comprising a case having an object lens at one end and means for removably mounting a sensitized plate or the like at the other end, a tube projecting through the camera coaxial with and surrounding said object lens, prisms mounted in said tube forward of said lens, a second lens mounted in said tube rearward of said object lens, a frusto-pyramidal housing extending rearward from said tube and having a partition dividing the same into four



separate compartments increasing in area in a rearward direction, and a color filter sealing the larger end of said housing and said compartments, said filter having four separate areas formed thereon each of a different color and each forming the rear wall of one of said compartments.

2,273,113
VALVE CONTROL
Harry E. Koepcke, East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application April 26, 1941, Serial No. 390,533
10 Claims. (Cl. 192—131)

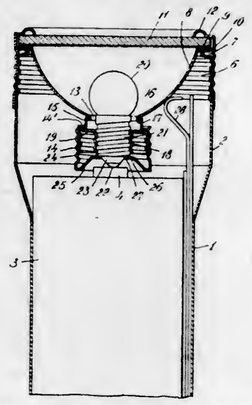


1. A device for controlling the flow of fluid to a receiving system comprising a three-way valve, having an open position that admits fluid to the system and a closed position that permits the exhaust of fluid therefrom, means including a valve operating element and a catch, for operating said valve and means responsive to a condition in the receiving system for conditioning said catch to hold said valve open only after the flow of fluid has produced a predetermined condition within said system, and manual means for releasing said catch.

2,273,114
HAND LAMP
Walter R. Kopp, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application March 20, 1941, Serial No. 384,281
4 Claims. (Cl. 240—10.66)

1. A hand lamp comprising a reflector having a central opening and having a seat formed adjacent the opening, a threaded sleeve having a flange engaging the seat, a lamp bulb having a threaded stem received in the sleeve, the bulb having a terminal on the end of the stem, and a cup-shaped member connected to the reflector and engaging a portion of the base of the lamp

bulb to exert an axial pressure on it and retain it in position, the cup-shaped member having a



central opening through which the base terminal of the lamp projects.

2,273,115

PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY

Herbert Kracker, Willy Schumacher, and Vinzenz Schwind, Frankfort-on-the-Main, and Wilhelm Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 12, 1940, Serial No. 369,744. In Germany June 15, 1939

14 Claims. (Cl. 8—46)

1. Process of producing fast dyeings on fibrous material of the group consisting of cellulose fibers, animal fibers and mixtures of animal fibers with cellulose fibers, which comprises applying to the fiber a compound derived from 1.3.5-triazine containing an azo group, a group conferring solubility in water, a diazotizable amino group and a grouping which is capable of coupling with a diazo compound, then diazotizing the compound on the fiber and causing self-coupling by an alkaline treatment.

2,273,116

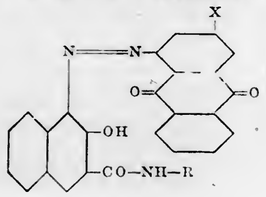
AZO DYESTUFFS INSOLUBLE IN WATER, AND FIBER DYED THEREWITH

Georg Kränzlein and Carl Josef Müller, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 4, 1940, Serial No. 355,306. In Germany November 9, 1938

12 Claims. (Cl. 260—192)

1. The water-insoluble azo-dyestuffs corresponding with the following general formula:



wherein R means a member of the group consisting of radicals of the benzene and naphthalene series and X stands for a member of the group consisting of chlorine, bromine, methoxy, methyl and trifluoromethyl,

being scarlet to red powders which have a very good fastness to light, to oils and to overstriping, and yielding, when produced on the fiber, vivid scarlet and red shades of good properties of fastness, especially of very good fastness to light.

2,273,117

PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY

Georg Kränzlein, Frankfort-on-the-Main, Werner Kirst, Konigstein in Taunus, Konrad Renn, Frankfort-on-the-Main, and Wilhelm Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 26, 1941, Serial No. 380,600. In Germany February 17, 1939

14 Claims. (Cl. 8—46)

1. Process of producing fast dyeings on fibrous material of the group consisting of cellulose fibers, animal fibers and mixtures of animal fibers with cellulose fibers, which comprises applying to the fiber a compound derived from 1.3.5-triazine containing a group lending solubility in water, a diazotizable amino group and a grouping which is capable of coupling with a diazo compound, then diazotizing the compound on the fiber and causing self-coupling by an alkaline treatment.

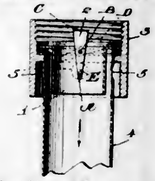
2,273,118

CHECK VALVE AND AIR VENT

Jesse D. Langdon, Los Angeles, Calif.

Application August 19, 1940, Serial No. 353,286

3 Claims. (Cl. 137—69)



1. The combination of a coupling washer having disposed therein a flanged tube having air vents therethrough disposed above the level of the lower end of a flanged sleeve which is disposed within said flanged tube, an air inlet space being provided between said sleeve and said flanged tube, an unbalanced check valve mounted on a pivot just below the flanged end of said flanged sleeve, said check valve being substantially wedge-shaped and the pivot being disposed off center as between the thick and the thin ends of the wedge, the thick end of the wedge being disposed upwardly above the flanged end of said sleeve whereby said check valve will normally remain closed due to the heavier end of the wedge falling to one side of said pivot, said thin end resting against the inner wall of said sleeve and said heavy end of the wedge resting against the upper edge of the sleeve when the check valve is in closed position.

2,273,119

STEAMING AND DRYING APPARATUS

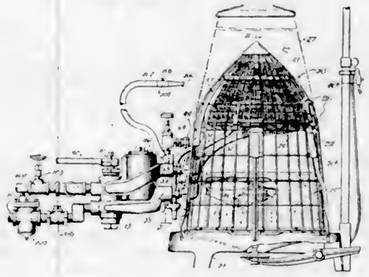
Eugene E. Lichterman, Chicago, Ill.

Application December 19, 1938, Serial No. 246,599

2 Claims. (Cl. 223—70)

1. In a machine of the character described a

cage structure, means for securing a garment thereover in an open position, a heat exchanger mounted in the upper portion of said cage structure, said heat exchanger formed of a continuous coil arranged substantially in conical form, means for discharging steam upwardly into the interior of said garment, said means comprising a tubular ring having a plurality of upwardly



directed apertures and being disposed proximate to said heat exchanger and adapted to be heated thereby whereby condensation of steam in said steam discharging means is substantially eliminated and condensation initially present in said tubular ring is conducted away, and means for directing a current of air over said heat exchanger and into said garment to dry same.

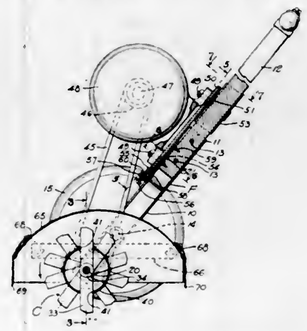
2,273,120

LAWN RENOVATING MACHINE

Segfrid J. Lindskog, Los Angeles, Calif.

Application November 12, 1940, Serial No. 365,147

4 Claims. (Cl. 97—40)



1. In a machine of the class described having a frame provided with relatively widely spaced portions; a cutting element comprising a shaft adapted to be journaled at its ends in said frame portions; a plurality of flat blades having openings intermediate their ends receiving the shaft and providing co-planar portions projecting oppositely from the shaft; means on the shaft coacting with the blades to space the latter along the length of the shaft; a guard cylinder concentrically mounted on the shaft and having slots through which the outer ends of said blades project to maintain the blades in a predetermined arrangement circumferentially of the shaft and to reinforce the blades; and means for confining the blades against displacement axially of the shaft.

2,273,121

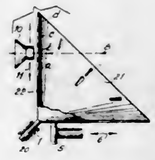
STROBOSCOPE

Heinrich List, Berlin-Lichterfelde, Germany

Application July 7, 1938, Serial No. 217,926

In Germany July 12, 1937

19 Claims. (Cl. 88—14)



1. A stroboscope having a shutter mounted to rotate about an axis, adjustable means for rotating said shutter at infinitely variable speed, a hand-operable device for adjusting said shutter rotating means to vary the shutter speed, apertures in said shutter arranged in separate groups around said axis, different numbers of apertures constituting the respective groups, a viewing aperture which is adjustable into register with any of the plurality of groups of apertures, a plurality of juxtaposed speed-indicating scales, there being one of said scales for each of said groups of apertures and the respective scales being graduated to indicate products of the variable rotational speed of the shutter multiplied by the number of apertures in the related groups, a speed-indicating pointer co-operating with the several scales simultaneously, and means operatively connected to said hand-operable device and adapted to automatically move said pointer in agreement with any adjustment of said shutter rotating means.

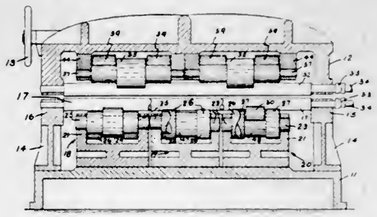
2,273,122

ROLL STRUCTURE FOR EMPLOYING SMALL DIAMETER WORKING ROLLS IN THE LEVELING OF SHEET AND STRIP MATERIAL

Friedrich K. Mäussnest, Woodside, Long Island, N. Y.

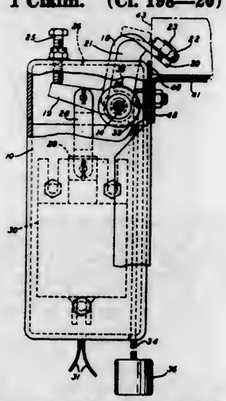
Application September 28, 1940, Serial No. 358,840

14 Claims. (Cl. 153—54)



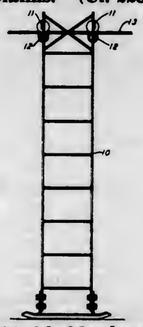
1. A supporting roll structure of the character described comprising at least two revolubly mounted supporting rolls of relatively large diameter, said supporting rolls including elements freely rotatable around the same axes of rotation as said supporting rolls, at least one backing roll of relatively smaller diameter than said supporting rolls, said backing roll being spaced between two adjacent supporting rolls so as to contact said freely rotatable elements for rotating said backing roll in the same direction as its associated supporting rolls.

2,273,123
CONTROL APPARATUS
Shryock P. McDaniels, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1939, Serial No. 307,249
1 Claim. (Cl. 198—20)



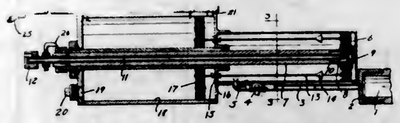
A control apparatus comprising a frame mounted at one side of a conveyor, a shaft supported by the frame, an element mounted for movement on the shaft and having a stop member formed to extend over the side of the conveyor in the path of articles thereon, and an arm extending transversely therefrom, an adjustable stop in the path of the arm to vary the extent of movement of the element in moving the stop member in front of the articles on the conveyor, a drum mounted upon the shaft and fixed to the element, a weighted cable fixed to the drum to be wound thereon upon movement of the element out of stopping position and to cause movement of the element into stopping position, and a solenoid connected to the arm of the element to move the element against the force of the weighted cable to free the articles for movement on the conveyor.

2,273,124
LADDER
Shryock P. McDaniels, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1940, Serial No. 317,647
4 Claims. (Cl. 228—52)



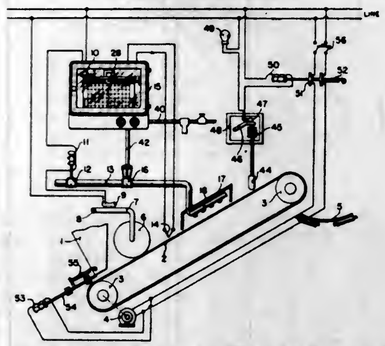
1. A track guided ladder having means mounted near the head thereof for riding on a track, and a horizontally extending slide disposed beneath and secured to the foot of the ladder and extending beyond each side thereof to hold the ladder against movement when occupied and to slide on a surface when unoccupied.

2,273,125
SPRAYER
Artie F. McFarland, Houston, Tex.
Application September 9, 1940, Serial No. 355,929
6 Claims. (Cl. 299—85)



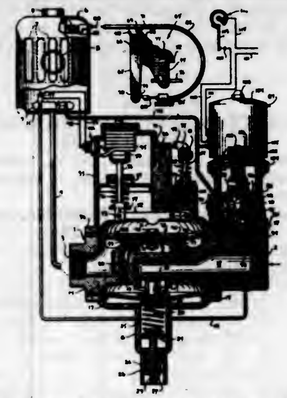
2. In a chemical mixer, a chemical reservoir, means movable to feed chemical from said reservoir into a flowing stream of liquid, a piston connected to said chemical feeding means and movable to move said chemical feeding means in a direction to feed said chemical from said reservoir, a cylinder enclosing said piston, a piston rod connected to said piston and extending from one side thereof through one end of said cylinder whereby the effective area of one side of said piston is made smaller than that of the other side thereof, means for causing said flowing stream of liquid to pass through said cylinder on that side of said piston from which said rod extends, said means including an opening into and an opening from said cylinder, a restricted by-pass through said piston whereby liquid from said flowing stream may pass from one side of said piston to the other to cause said piston to move and feed said chemical into the flowing stream, and means for adjusting the size of said restricted opening from the exterior of said device to adjust the rate of speed of said chemical.

2,273,126
CONTROL SYSTEM
Howard O. McGillin, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 10, 1939, Serial No. 289,340
7 Claims. (Cl. 22—89)



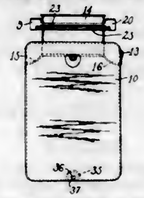
1. In a system for controlling the temperature of a material, the combination with means to convey the material through a path, means located adjacent said path responsive to passage of said material, a valve operated thereby to control the supply of a temperature changing medium to be applied to said material, separate means in proximity to the material and responsive to its temperature to adjust said valve and therefore said supply of temperature changing medium in accordance therewith, and other means also in proximity to said material and responsive to a predetermined temperature thereof to stop the supply of said material on said conveying means.

2,273,127
HEATING CONTROL SYSTEM
William J. McGoldrick and Frederick S. Denison, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 15, 1938, Serial No. 219,368
14 Claims. (Cl. 158—117.1)



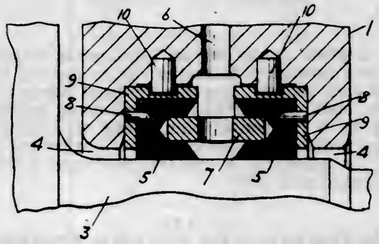
1. In a gas fired heating system including a main burner and a pilot burner, a control valve, valve closing means comprising an electromagnetic device normally energized by a thermocouple responsive to the pilot flame, said means being arranged to release upon pilot flame failure for closing the valve, manual means cooperating with the valve closing means for repositioning the electromagnetic device to its energized position, means for operating said manual means for closing the valve when it is not closed by said electromagnetic device, and a fusible link normally restraining said operating means but releasing the same for operation upon the attainment of a predetermined high temperature.

2,273,128
WATER BAG
Paul S. Madsen, Bethany, and Arthur A. Arnold, Hamden, Conn., assignors, by mesne assignments, to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Continuation of application Serial No. 74,108, April 13, 1936. This application October 7, 1937, Serial No. 167,772
8 Claims. (Cl. 150—2.1)



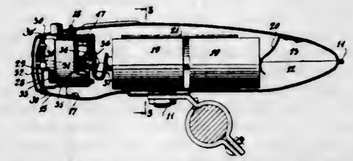
1. A water bottle or the like having a receptacle, a flexible filling neck communicating with the receptacle, a bar connected to the neck and adapted to roll up the material thereof when the bar is rotated to close the neck against leakage, said bottle having a pocket within which said rolled neck may be disposed, and means within the pocket to engage a part of said bar to prevent unrolling of the neck.

2,273,129
BEARING SEAL
William Messinger, Philadelphia, Pa.
Application June 7, 1939, Serial No. 277,883
1 Claim. (Cl. 286—9)



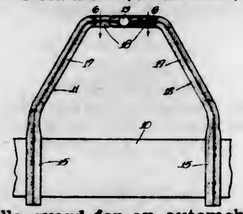
In combination a bearing housing having substantial clearance at its ends in respect to the rotating element which is applied to it and which is subject to eccentric movement that takes place in the clearance, separate complete rings of packing material spanning and packing the clearance space at the ends of the housing and mounted in the housing, and means for applying fluid pressure between the rings, the rings being composed of resilient material which is free to follow and accommodate the eccentric movements of the rotating element while closely hugging it.

2,273,130
HORN AND HOUSING
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application August 26, 1938, Serial No. 226,845
2 Claims. (Cl. 177—7)



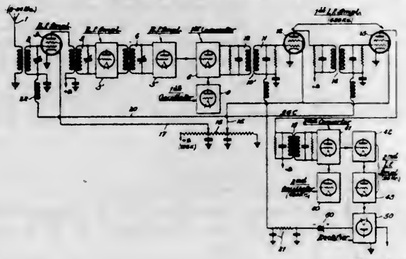
1. A horn including a housing, a diaphragm within said housing, an electric coil cooperating with said diaphragm to vibrate the latter, a horn shell enclosing said coil, one end of said coil being in electric contact with said shell and housing, a contact strip electrically connected to the electrically opposite end of said coil, said strip positioned on the horn shell and insulated therefrom, a spring strip located adjacent said contact strip and normally out of engagement therewith, means for detachably securing said spring strip to said shell and insulated therefrom, means whereby said housing may be detachably coupled to a cell containing housing, one end of said spring strip bent to provide a yielding portion for engagement with the electrode of a cell, and means for causing the other end of said strip to be moved into engagement with said first named contact strip.

2,273,131
TRUNK OR GRILLE GUARD FOR AUTOMOBILES
Gustav C. Monckmeier, Davenport, Iowa
Application March 4, 1938, Serial No. 193,875
4 Claims. (Cl. 293—55)



1. A grille guard for an automobile comprising two upwardly extending arms having their lower ends secured to a conventional bumper, the upper ends of said arms terminating substantially in a horizontal plane, and an outwardly bowed projection formed on said horizontal portion for affording a greater clearance between said guard and grille.

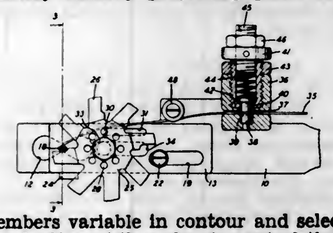
2,273,132
AUTOMATIC GAIN CONTROL SYSTEM
John B. Moore, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 6, 1940, Serial No. 368,818
4 Claims. (Cl. 250—20)



1. In a radio receiver provided with a plurality of cascaded tuned radio frequency amplifier stages, a converter stage and a plurality of intermediate frequency amplifiers; the improvement which comprises means responsive to carrier amplitude variations for controlling the gain of solely the first of the cascaded radio frequency amplifiers and each of the intermediate frequency amplifiers, said one amplifier stage and said intermediate frequency amplifiers each including an amplifier tube of the same screen grid type, and means for establishing the screen grid electrode of said one radio frequency amplifier stage at a sufficiently higher positive voltage than the screen grids of said intermediate frequency amplifiers to prevent reduction of the gain of said first amplifier until the gain of said intermediate amplifier has been reduced to a predetermined extent.

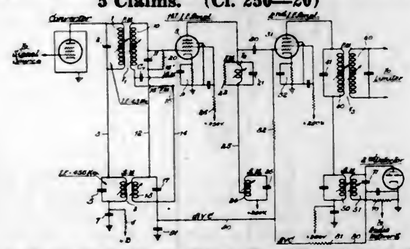
2,273,133
STRAND HANDLING APPARATUS
Earl C. Moss, Westfield, N. J., and James F. Williams, Dundalk, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,612
7 Claims. (Cl. 140—124)

1. A strand handling apparatus comprising a body having an aperture therein for receiving an arbor for the winding of a strand thereon to form a spring, and an element having a plurality of substantially radially projecting pitch control-



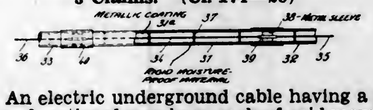
ling members variable in contour and selectively positioned adjacent the arbor to control the pitch of a spring during relative rotation of the arbor and body to wind the strand on the arbor.

2,273,134
DUAL INTERMEDIATE FREQUENCY AMPLIFIER CIRCUIT
Garrard Mountjoy, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 7, 1941, Serial No. 373,384
5 Claims. (Cl. 250—20)



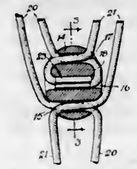
1. In combination with a plurality of cascaded amplifier tubes, an output circuit for the first of said tubes consisting of at least two series connected resonant circuits, said circuits being tuned to different frequencies, the second of said tubes having an input circuit comprising a first resonant circuit tuned to the same frequency as one of said series circuits and reactively coupled thereto, a second resonant circuit tuned to the frequency of the second series circuit and reactively coupled thereto, said second resonant circuit being included in said first resonant circuit, and means for connecting a capacity in circuit with said first resonant circuit to provide a rejection trap for high frequency energy of said first resonant circuit frequency.

2,273,135
ELECTRIC CABLE
Wilhelm Ohnesorge, Berlin - Charlottenburg, Günter Flanze, Berlin-Lichtenrade, and Friedrich Gladenbeck, Berlin-Charlottenburg, Germany
Application January 15, 1938, Serial No. 185,106
In Germany December 22, 1936
3 Claims. (Cl. 174—28)



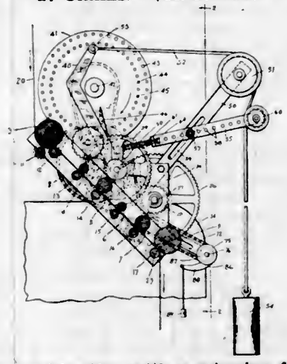
1. An electric underground cable having a plurality of sectional members, each of said members comprising a central conductor, insulating spacing means surrounding said conductor, and a protective sheath of a moisture-proof non-metallic and substantially rigid material immediately and closely surrounding said spacers and forming the only mechanically resistant enclosure of the sectional member, said sheath and said central conductor being of substantially equal lengths and having their ends shaped to engage the respective elements of the adjacent sectional members, and a conductive coating disposed on the inner surface of said sheath to form another conductor.

2,273,136
ADJUSTABLE SUPPORT
Carl G. Orech, New York, N. Y., and Edward G. Schaaf, Palisade, N. J.
Application February 2, 1940, Serial No. 316,952
1 Claim. (Cl. 224—5)



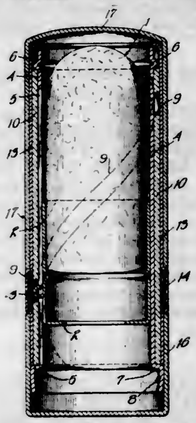
In an adjustable support for musical instruments having a strap formed with apertures adjacent its two ends adapted to encircle the neck of the wearer and an attaching device for attaching the support to a musical instrument, the combination of a unitary flexible cord having inflexible tipped ends and an adjusting slide having three substantially parallel transversely extending apertures, the flexible cord being connected adjacent its central portion to the attaching device with the two strands extending from the connected portion extending through the lowermost aperture in the slide in opposite directions and thence being formed into loops extending through the apertures in the strap, the said strands adjacent the inflexible tipped ends being projected through the uppermost aperture in opposite directions with the inflexible tipped ends positioned in the intermediate apertures whereby the slide may be shifted to adjust the effective length of the cord and the ends of the cord are releasably connected to the slide.

2,273,137
SLUBBING MECHANISM
George Partington, Pawtucket, R. I.
Application July 3, 1941, Serial No. 400,928
17 Claims. (Cl. 57—38)



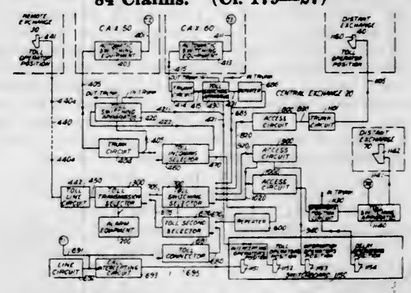
1. The combination with a spinning frame provided with drawing rolls and having means for rotating certain of said rolls, of mechanism operable intermittently and irregularly for increasing the speed of rotation of certain of said rolls to form irregularly positioned thickness variations of a non-repeat character in yarn operated upon by said drawing rolls.

2,273,138
LIPSTICK HOLDER
Gunnard P. Peterson, Naugatuck, Conn., assignor to The Risdon Manufacturing Company, Naugatuck, Conn., a corporation of Connecticut
Application January 24, 1939, Serial No. 252,537
2 Claims. (Cl. 206—56)



1. In a lipstick or like holder having an outer casing formed with an outwardly bossed band to seat a cover, an outer sleeve therein provided with a slot, an inner relatively rotary tube provided with a slot and an elevator in the tube having a lug occupying both slots, the improvement which consists in said inner tube having an attachment head abutting the ends of said sleeve and casing and an operating head in the form of a cup pressed onto said head and extending over said outer casing into proximity to said band thereon.

2,273,139
TELEPHONE SYSTEM
Seth E. Peterson, Chicago, Ill., and Irvin Geitgey, Elyria, Ohio, assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 20, 1940, Serial No. 346,592
84 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of operators' positions, supervisory signals at said opera-

tors' positions, means including automatic switching apparatus for routing a call from a calling substation of the system through a plurality of said operators' positions in tandem to either of two called substations of the system, means operative in the event said call is routed to one of said called substations for concurrently controlling the supervisory signals provided at at least two of said tandem connected operators' positions in accordance with the switch hook operations performed at said one called substation, and means operative in the event said call is routed to the other of said called substations for controlling the supervisory signal provided at only one of the tandem connected operators' positions in accordance with the switch hook operations performed at said other called substations.

2,273,140
PRODUCTION OF SYNTHETIC RESINS FOR MOLDING

Archibald Renfrew, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 6, 1938, Serial No. 217,813. In Great Britain July 6, 1937
2 Claims. (Cl. 260—73)

1. Process of preparing a polyvinyl formal resin molding powder which comprises atomizing a solution of said resin in acetic acid and allowing the atomized solution to fall into a bath of aqueous ammonia whereby said acetic acid is neutralized and said resin is precipitated in finely divided form.

2,273,141
PRODUCTION OF AMINES OF THE ACETYLENE SERIES

Walter Reppe, Ernst Keyssner, and Otto Hecht, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 1, 1938, Serial No. 216,962. In Germany July 28, 1937
3 Claims. (Cl. 260—583)

1. A process for the production of tertiary amino compounds of the acetylene series which comprises treating with acetylene at temperatures between 25 and 120° C. and at pressures between atmospheric pressure and 40 atmospheres tertiary methylol amines derived from secondary amines selected from the group consisting of saturated aliphatic, alicyclic, saturated monocyclic heterocyclic, and alkyl-aryl amines and wherein the methylol group is attached to the nitrogen atom of the amino group in the presence of a catalyst selected from the group consisting of acetylides and salts of heavy metals of the first and second group of the periodic system.

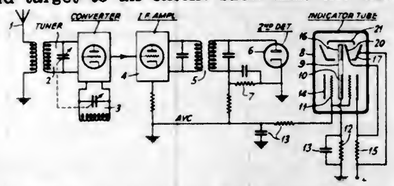
3. A process for the production of tertiary amino compounds of the acetylene series which comprises treating with acetylene at temperatures between 25 and 120° C. and at pressures between atmospheric pressure and 40 atmospheres tertiary methylol amines of the aliphatic series wherein the methylol group is attached to the nitrogen atom of the amino group in the presence of a catalyst selected from the group consisting of acetylides and salts of copper.

2,273,142
VISUAL TUNING INDICATOR

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 10, 1940, Serial No. 334,311
6 Claims. (Cl. 250—40)

1. In an indicator tube of the type provided with at least a source of electrons, a fluorescent target at a positive potential and solely a single electron control electrode disposed in the path of electrons flowing to the target thereby to provide a shadow area on said target; the improvement which comprises said control electrode having a control surface inclined to the stream of electrons and target to an extent such that the shadow

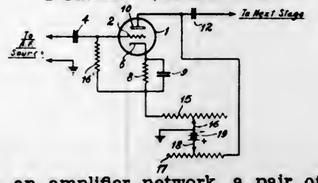


area edges overlap progressively for varying control electrode voltages whereby the position of the point of intersection of said edges indicates said varying voltages, means to apply a bias to said control electrode to provide a predetermined point of intersection of said edges, and additional means for varying the voltage of the control electrode relative to said bias.

2,273,143
AUDIO VOLUME CONTROL CIRCUIT

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 5, 1940, Serial No. 343,929
4 Claims. (Cl. 179—171)

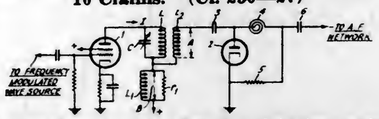


1. In an amplifier network, a pair of signal input terminals, one of said input terminals being maintained at a constant potential, a pair of signal output terminals, an amplifier tube, a connection from one of said input terminals to the tube grid, a connection from one of said output terminals to the tube plate, an unbypassed resistance between the tube cathode and a point of fixed potential, a resistance between said plate and a point of fixed potential, and a single means for simultaneously varying the magnitudes of said resistances in opposite senses whereby the ratio of the signal voltage developed at said output terminals to the total signal voltage developed in the circuit between said plate and cathode is reduced as the amount of degeneration produced by said unbypassed resistance is increased.

2,273,144
FREQUENCY MODULATION DETECTOR

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 16, 1940, Serial No. 361,369
10 Claims. (Cl. 250—27)



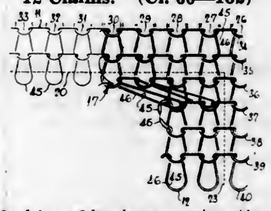
1. In a frequency modulation detector, a circuit

exactly resonant to the mid-frequency of frequency modulated signals, means to produce a voltage in said circuit whose phase varies with frequency variations, a second reactive circuit, means to produce therein a second voltage whose phase varies relatively little with frequency variations, the constants of the resonant and second circuits being so chosen that the resultant of said two voltages is substantially at right angles to said first voltage at the mid-frequency and vector increments to said first voltage due to frequency departures from the mid-frequency are substantially in phase with said resultant, means to combine said voltages to produce said resultant, and detecting means for said resultant.

2,273,145
CORNER CONSTRUCTION FOR FULL-FASHIONED HOSIERY

Ervin S. Sachsenmaier and Edmund J. Butler, Cordele, Ga., assignors to Maywood Silk Hosiery Mills, Inc., Cordele, Ga., a corporation of Georgia

Application January 31, 1941, Serial No. 376,746
12 Claims. (Cl. 66—182)

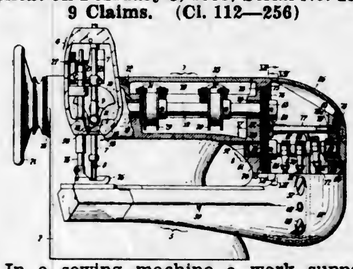


6. Full fashioned hosiery construction, comprising a leg portion, a heel tab attached to the leg portion thereby forming a corner at the junction of the edge of the leg portion and the heel tab edge, and transferred terminal loops connecting said edges at said corners.

2,273,146
SEWING MACHINE

George Sauer, Berwyn, and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application February 5, 1938, Serial No. 188,836
9 Claims. (Cl. 112—256)

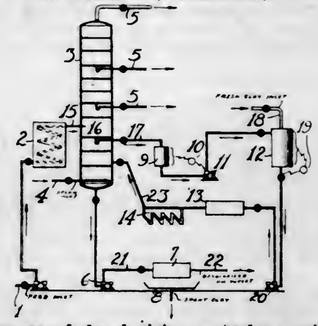


1. In a sewing machine a work support; a needle; a needle-actuating shaft; complemental stitch-forming and feeding mechanism; a parallel shaft from which said mechanism is actuated; a pair of spur gears connecting the two shafts and enclosed for the purposes of a gear pump; a by-pass in the region of tangency of the gears; a supply reservoir from which the pump draws oil; means whereby the oil is conducted from the pump to moving parts of the machine; and means whereby the size of the by-pass can be varied to regulate the capacity of the pump.

2,273,147
DECOLORIZATION OF MINERAL OILS

Frederick W. Schumacher, Mountainside, and Robert P. Ferguson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 21, 1938, Serial No. 230,928
12 Claims. (Cl. 196—79)

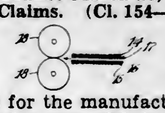


1. Process of decolorizing petroleum oils in a distillation tower comprising withdrawing constituents of the oil from a point below the feed inlet to the tower, forming a clay slurry with the fraction withdrawn, then reintroducing said slurry into said distillation tower at a point below the point at which said constituents were withdrawn.

2,273,148
MANUFACTURE OF ELASTIC FABRICS

Fernand Frederic Schwartz and Marc Alfred Chavannes, Paris, France, assignors, by mesne assignments, to American Ecla Corporation, Dover, Del., a corporation of Delaware

Application March 24, 1938, Serial No. 197,935
In France March 25, 1937
2 Claims. (Cl. 154—40)



2. A process for the manufacture of a composite elastic and porous fabric consisting of a strong and heavy woven or knitted textile fabric and a fine textile fabric joined together by means of latex rubber applied thereto by spraying, which process consists in applying to a surface of the strong fabric a porous, resistant, heavy network of rubber consisting of a plurality of coatings of latex and of such a thickness as to support substantially all of the stresses to which the composite fabric is to be subjected, applying to a surface of the fine textile fabric by spraying a porous coating of rubber latex sufficient only to insure the union of the coated surfaces of the two textile fabrics and bringing the said coated surfaces together under such conditions that effective union takes place.

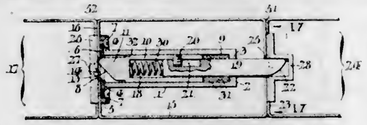
2,273,149
LOCKING MECHANISM FOR DOORS

James W. Shannon and Louis M. Hathaway, Ingleside, Tex., and James E. McKee, Wilmington, Del.

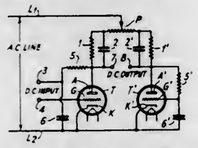
Application November 12, 1940, Serial No. 365,226
2 Claims. (Cl. 292—182)

1. In a locking device for opposedly swingable doors with an intervening edge engageable hollow post, the combination of a cylindrical casing having a centrally apertured wall at one end, and

a surrounding flange at the other end; a closure for said flanged end with means for jointly attaching it and the tubular casing transversely within the post; a tubular plunger in the casing having a coaxial rectilinearly contoured latch projection within the circumferential confines of one end, said projection being movable through a corresponding section hole in the casing flanged end closure; a round-section solid locking member slidable in the bore of the tubular plunger for projection through the aperture in the cylindrical casing end wall; said locking member and tubular plunger latch projection having their outer extremities inclined for sliding coaction with the respectively confronting door edges; spring means in the cylindrical casing influencing the tubular plunger outwards; spring means in the tubular plunger similarly influencing the locking member outwards; and a pin engaged through the tubular plunger with projection into a longitudinal groove in the locking member to prevent relative rotary motion while permitting a definite extent of relative axial movement.



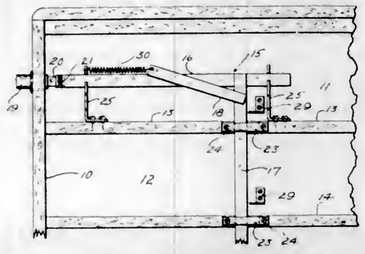
2,273,150
ALTERNATING CURRENT OPERATED DIRECT CURRENT AMPLIFIER CIRCUITS
Francis H. Shepard, Jr., Merchantville, N. J.
Original application June 29, 1938, Serial No. 216,448. Divided and this application December 7, 1940, Serial No. 369,060
7 Claims. (Cl. 179—171)



1. A system for the amplification of direct current voltages or alternating current voltages in phase with the power supply, comprising means for emitting electrons, a pair of control grids and a pair of electron collecting electrodes, a power supply source of alternating current having a pair of line conductors, a conductive connection from one of the line conductors to one of the collecting electrodes, a capacitive connection from the other line conductor to the electron emitting means, a load resistor connected between the second collecting electrode and said other line conductor, means for adjustably connecting the electron emitting means to said load resistor, an input circuit connected to said pair of control grids, and an output circuit connected to said collecting electrodes.

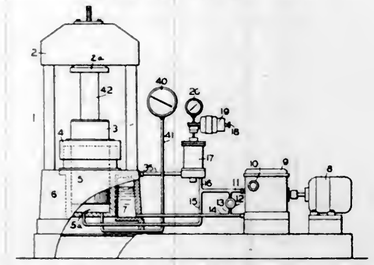
2,273,151
FURNITURE DRAWER LOCK
James C. Siegel, New York, N. Y.
Application November 2, 1939, Serial No. 302,514
7 Claims. (Cl. 45—94)

1. In a combination of the class described, a cabinet housing having a series of sliding drawers, partitions between said drawers, a series of brackets supported on one of said partitions, each of said brackets having a bearing slot internally thereof and a constricted entrance into said bearing slot, a locking bar having a horizontal arm, said horizontal arm entering said bearing slots through said constricted entrances and thereafter maintained in said bearing slots



for horizontal sliding movement, the plane of said sliding movement being juxtaposed to the plane of the backs of said drawers, means whereby said bar locks said drawers in one position of said bar, and means for locking said bar against movement from said one position.

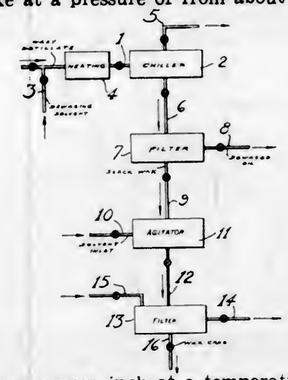
2,273,152
HYDRAULIC PRESSURE CONTROL FOR TESTING MACHINES
Alfred Sonntag, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 21, 1938, Serial No. 197,227
10 Claims. (Cl. 265—14)



1. In a testing machine, in combination, means for holding a specimen to be tested, means for exerting stress upon the specimen including a cylinder, a plunger moving in the cylinder, a sump for storing fluid, a pump capable of drawing more fluid and at a higher pressure from the sump than is needed to move the plunger enough to offset the distortion of the specimen under a pre-set stress, a conduit from the pump to the cylinder, a by-pass from the conduit back to the sump designed to by-pass a part of the fluid delivered, automatic control means in the by-pass for varying the amount by-passed to secure a pre-set pressure of fluid in the conduit and under the plunger.

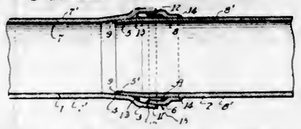
2,273,153
PROCESS OF DEOILING SLACK WAX
Reginald K. Stratford, Moore, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
Application January 11, 1939, Serial No. 250,305
3 Claims. (Cl. 196—20)

1. Process of de-oiling slack wax containing more than about 8% of oil, comprising puddling and filtering said wax, followed by washing with a dewaxing solvent and then compressing the wax cake at a pressure of from about 10 lbs. to



40 lbs. per square inch at a temperature in the range from 30° F. to 60° F.

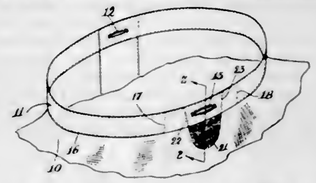
2,273,154
PIPE JOINT
Douglas A. Stromsoe, San Gabriel, Calif.
Application April 5, 1940, Serial No. 328,047
3 Claims. (Cl. 285—115)



1. In a conduit having a heat-destructible internal protective coating, a joint structure which comprises: two alined pipe sections having bell and spigot joint means whereby said sections may be joined together to form a conduit; a heat-destructible protective coating disposed at the inner peripheral surface of said pipe sections and extending throughout the length of said conduit; a flange member for each of said pipe sections, said flange members being provided with cooperating sleeve portions of greater diameter than the conduit so formed and extending concentrically around said conduit in outwardly spaced relation thereto, said sleeve portions being adapted to mate with one another at a position at which each sleeve portion is spaced outwardly from the conduit so formed and in such manner as to provide for application at said mating position of a heat-generated attachment of the type characterized by welding, brazing, or soldering, said protective coating being sufficiently removed from said mating position to prevent destruction of said coating by heat during application of said heat-generated attachment and said flange members engaging the respective pipe sections to maintain said pipe sections against longitudinal displacement upon application of such attachment at said mating position.

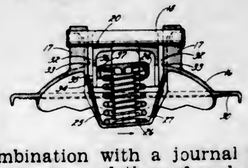
2,273,155
SHIRT NECKBAND
Edmund B. Sullivan, Mount Vernon, N. Y.
Application April 24, 1939, Serial No. 269,614
1 Claim. (Cl. 2—127)

In a shirt of the class described in combination, a neckband having walls forming a closed channel therebetween, the said channel having a portion provided with an opening at the lower edge for the insertion of a collar button and being provided with spaced transverse lines of stitching joining the walls together to form a pocket, the outer wall of said pocket being provided with a button hole, a tab member having



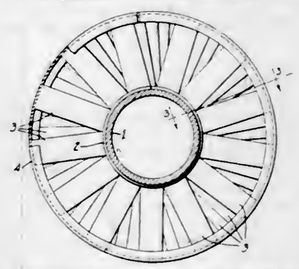
a button hole within the said pocket to register with the button hole of the outer wall of the pocket, the tab member being secured to the outer wall of the pocket at least at the lateral edges thereof and across the height thereof.

2,273,156
JOURNAL BOX LID
Hubert L. Spence, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application January 13, 1940, Serial No. 313,753
10 Claims. (Cl. 308—47)



1. In combination with a journal box having an opening in one end thereof and a hinge lug adjacent said opening, a journal box lid for closing said opening comprising a housing member pivoted to said hinge lug and a closure member pivoted to said housing member, a lever member pivoted on said housing member and having one end engaging said hinge lug, spring means between the other end of said lever member and said closure member for forcing the latter towards said opening, and means comprising sloping surfaces on certain of said members adapted to direct a component of force of said spring means in a direction at an angle to the longitudinal axis of said spring means for urging said closure member in one direction transversely of said journal box, relative to said housing member.

2,273,157
HEAT TRANSFERRING DEVICE
Dwight Tenney, Verona, N. J., assignor to Edwin F. Tilley, Dunellen, N. J.
Application April 6, 1938, Serial No. 200,357
1 Claim. (Cl. 257—262)



A heat transferring device, comprising in com-

bination, a substantially cylindrical body, a strip of thin sheet metal wound helically thereon and having a multiplicity of integral radiating fingers with the outer ends of the same spaced and separated but disposed in a substantial helical series and a strip of thin sheet metal extended continuously over the separated ends of said radiating fingers and folded flat down over the opposite faces of said fingers in clamping engagement therewith and forming a continuous helical guard enclosing and entirely covering the ends of said fingers and binding the separated fingers toge h-er in their spaced relation.

2,273,158
POLYMERIZATION PROCESS
Robert M. Thomas, Union, and Donald C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 21, 1939, Serial No. 269,178
10 Claims. (Cl. 260—93)

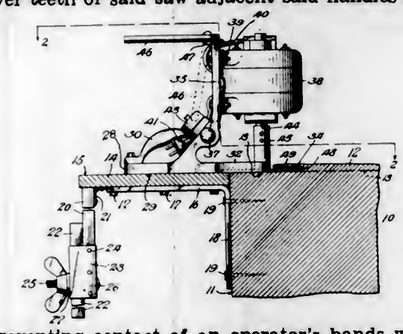
1. A polymerization procedure comprising in combination the steps of mixing a diolefin and a refrigerant at a temperature between —50° C. and —150° C., adding thereto a Friedel Crafts type catalyst and then within a time interval of 5 minutes, adding to the mixture of diolefin, refrigerant and catalyst, a portion of isoolefin, and conducting the polymerization of the mixed olefins to yield an interpolymer.

2,273,159
ISOMERIZATION OF NORMAL PENTANE
Carl O. Tongberg, Westfield, Charles S. Lynch, Fanwood, and Jeffrey H. Bartlett, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1939, Serial No. 311,522
12 Claims. (Cl. 260—676)

1. A process which comprises contacting a C_5 paraffinic hydrocarbon composition containing more than 10% of normal pentane with at least 100% by weight of aluminum chloride based on the total hydrocarbons present in the isomerization reactor at any one time in the presence of at least one hydrogen halide, vigorously agitating the reaction mixture maintained at a temperature of at least 30° F. while maintaining the temperature sufficiently low to insure liquid phase operation for a period of time sufficient to effect at least a 60% by volume yield of isopentane based on the normal pentane charged.

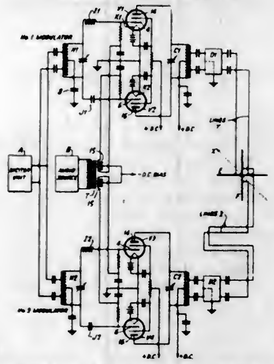
2,273,160
MEAT BLOCK RESURFACING MACHINE
Leo J. Tuck, Denver, Colo.
Application February 14, 1940, Serial No. 318,889
1 Claim. (Cl. 144—2)

A device for use in resurfacing a butcher's block comprising a frame provided with a flat bottom, a standard carried by said frame having a handle disposed at each side thereof for guiding said frame over said block, an electric motor so secured to said standard that its shaft is disposed at a right angle with respect to said bottom, a circular saw having one of its sides disposed in alignment with said bottom, a collar having an end axially secured to the other side of said saw, means for attaching the other end of said collar axially to said shaft, said frame being provided with wings constituting a guard adjacent said bottom, said guard being disposed over teeth of said saw adjacent said handles for



preventing contact of an operator's hands with said teeth during resurfacing operations.

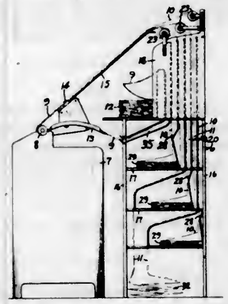
2,273,161
POLARIZED WAVE MODULATION BY PHASE VARIATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1939, Serial No. 279,657
7 Claims. (Cl. 250—6)



1. The method of receiving wave energies of like frequency, the phase relations of which are differentially displaced in accordance with signals which includes the steps of, separately intercepting of said wave energies in substantially like amounts, combining said intercepted wave energies vectorially to produce a resultant the amplitude of which is a function of the relative phase displacement thereof, and detecting the said resultant to render the signal.

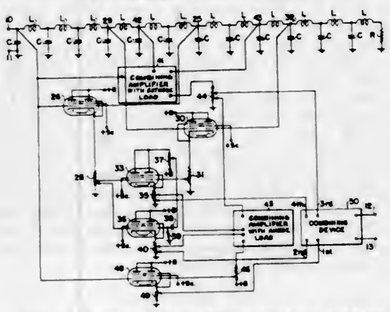
2,273,162
STRIP SEPARATING MECHANISM
Robert P. Willard, Lewiston, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application July 19, 1940, Serial No. 346,408
11 Claims. (Cl. 271—2.1)

1. In a strip separating apparatus, in combination, a plurality of gravity chutes in upright position, side by side, in which strips from an assembly pass downwardly by gravity, dividing partitions between the respective adjacent chutes, receiving compartments with which the lower ends of certain said chutes respectively communicate so as to receive the strips from the chutes, and strip folding means for causing certain of the strips to be folded in zigzag packs in the respective receiving compartments, certain of said



receiving compartments having upper walls forming strip guides to which certain other of said chutes lead so as to guide the strips laterally and downwardly past said receiving compartments.

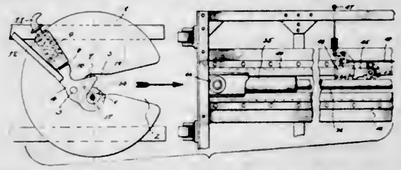
2,273,163
ELECTRICAL WAVE FILTER SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 15, 1940, Serial No. 352,805
14 Claims. (Cl. 178—44)



1. An electrical wave filter system having approximately a predetermined amplitude-frequency characteristic, related to that of a scanning aperture operating at a predetermined velocity, and a substantially linear phase-frequency characteristic over a given frequency range comprising, a multisection delay network effectively comprising a plurality of filter sections having a pass band including said frequency range, said delay network having a time delay at least as great as the period corresponding to the first zero-response frequency of such aperture, means for deriving voltages from a plurality of junctions of said filter, and means for adding said derived voltages with predetermined relative magnitudes and polarities which are effectively symmetrical about a given point of said filter to provide said amplitude-frequency characteristic.

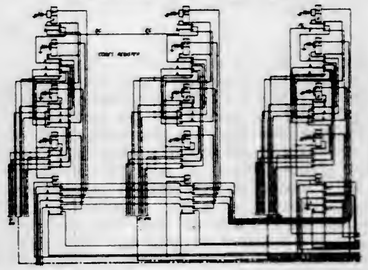
2,273,164
SEMITRAILER
William H. Wilson, Detroit, Mich.
Application July 20, 1939, Serial No. 285,511
10 Claims. (Cl. 280—33.1)

2. In a semi-trailer, a king pin mounted for fore and aft movement, a service member connected to the king pin, releasable draft means for holding the king pin at the rear of its movement, a plunger in the king pin for engaging and holding a movable coupling member on a tractor in engagement with the king pin, guide means effective on the plunger at positions of



the king pin rearward of substantially its forward position for maintaining the plunger in such holding engagement, a locking device for holding the king pin at its forward position, and another plunger in the king pin operable by the said movable coupling member to release the said locking device.

2,273,165
TARIFF DETERMINING EQUIPMENT FOR TELEPHONE SYSTEMS
Esmond P. G. Wright, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1939, Serial No. 258,394
In Great Britain April 6, 1938
8 Claims. (Cl. 179—7.1)

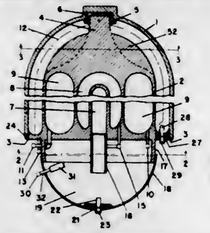


5. A ticket producing equipment for telecommunication exchange systems comprising a first means adapted to be set in response to a characteristic of the identity of a calling exchange, a second means adapted to be set in response to a characteristic of the identity of a called exchange, tariff registering means adapted to be set in response to the setting of said first and second means to indicate a tariff for a connection between said calling exchange and said called exchange, and means responsive to the setting of said tariff-registering means for producing record printing signals characteristic of the setting of said tariff-registering means.

2,273,166
EXPLOSIVE
Robert C. Allen, Sherburne, N. Y.
Application May 13, 1939, Serial No. 273,453
10 Claims. (Cl. 102—30)

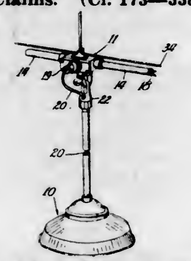
4. An explosive device comprising a unit including a central chamber containing a shattering charge, a radially concentric chamber containing a liquefied gas, another radially concentric chamber adjacent thereto and connecting therewith to permit of evaporation of said liquefied gas, another radially concentric chamber

containing a liquefied gas capable of explosive combination with said first mentioned liquefied



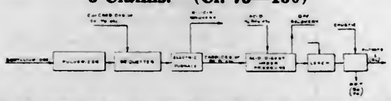
gas when intermingled therewith, and heat insulating means protecting said unit.

2,273,167
ELECTRICAL FIXTURE
Ernst G. K. Anderson, Chicago, Ill.
Application November 28, 1940, Serial No. 367,583
8 Claims. (Cl. 173—338)



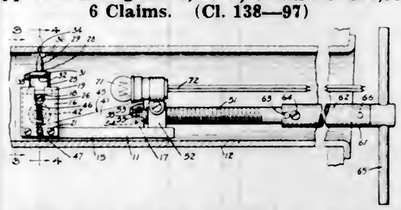
1. In an electrical fixture having a pair of inter-connected members, and a body portion for supporting said members with one of said members mounted on said body portion and having an opening therein for disconnection of the other member therefrom, the means for preventing the disconnection of said two members except only under predetermined conditions, said means including a latch, means for movably mounting said latch at one end on said one member in a position to open and close the opening therein, said latch having an extension at the other end thereof, and an electric receptacle on said body portion in a position relative to the opening in said one member and relative to said latch such that said latch extension is positioned over said receptacle when said opening is in a condition for disconnection of said members, and a plug in said receptacle engageable by said latch extension to limit the movement of said latch extension over said receptacle so that said opening is not open sufficiently to permit disconnection of said two members.

2,273,168
EXTRACTION OF BERYLLIUM FROM ORES
Harry Howard Armstrong, Newport, Pa.
Application August 23, 1937, Serial No. 160,558
3 Claims. (Cl. 75—150)



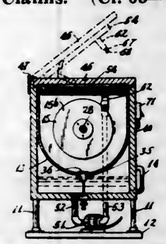
3. A method of producing beryllium-containing metallurgical concentrates for the production of alloys which comprises, treating beryl to convert the beryllium and aluminum contents to the corresponding carbides, substantially free from silica, adding to the carbide mass a compound of a metal desired in the ultimate alloy; digesting the mass under heat and pressure with a mineral acid, recovering from the digest the beryllium content, together with the said metal value and utilizing the beryllium and such metal values for the production of an alloy.

2,273,169
REPAIR PLUG DRIVING TOOL
August Baerenklau, Queens Village, and Bernhard Deja, Brooklyn, N. Y.
Application August 26, 1940, Serial No. 354,332
6 Claims. (Cl. 138—97)



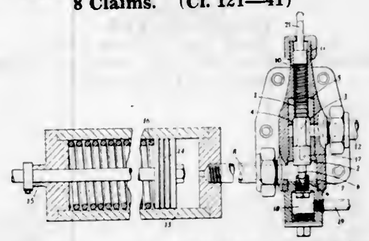
1. A repair plug driving tool comprising a base, a reciprocable plug-driving head, yieldable plug gripping means associated with said head, a guide frame, mounted on said base, adapted to retain said head and restrict the movement thereof to reciprocation substantially normal to the longitudinal axis of said tool, head driving means mounted on said base and operable from a position remote from said head to reciprocate said head with relatively greater force on its outward or plug-driving stroke than on its plug-retracting stroke, said tool being adapted for the repair of leak holes in tubes into which said tool is insertable with a repair plug yieldingly held on said head by said gripping means, said head driving means serving both as means to move said tool bodily in said tube to align said plug with a leak hole in the wall of said tube and as a power-transmitting means whereby an operator, from a remote position, may apply power wherewith to drive said plug into sealing position in said leak hole and subsequently to withdraw said driving means from engagement with said plug and out of said tube.

2,273,170
CLEANING APPARATUS
Barnett Baron, New York, N. Y.
Application March 13, 1940, Serial No. 323,777
7 Claims. (Cl. 68—18)



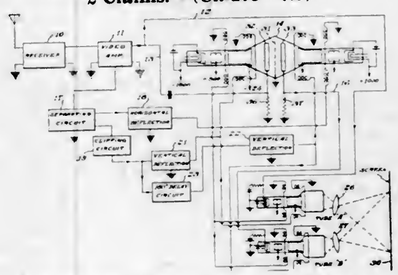
1. A cleaning apparatus, comprising an open top housing, said housing being partitioned to form a reservoir chamber in its bottom portion and a cleaning fluid chamber above said reservoir chamber and in the top portion thereof, a perforated drum rotatively mounted in said cleaning fluid chamber for receiving and holding material to be cleaned, means for rotating said drum, a regulated by-pass to allow cleaning fluid to flow from said cleaning fluid chamber to said reservoir chamber, a cover for said housing, a removable strainer for said cleaning fluid mounted on the bottom face of said cover, and a pumping system for drawing cleaning fluid from said reservoir chamber and discharging it through said strainer into said cleaning fluid chamber.

2,273,171
REMOTE CONTROL APPARATUS
Roland Bennett, London, England
Application November 16, 1939, Serial No. 304,842
In Great Britain November 30, 1938
8 Claims. (Cl. 121—41)



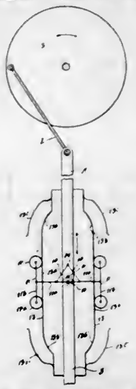
1. Remote control apparatus comprising, in combination, a reciprocable piston, a second reciprocable piston connected to but spaced from and of smaller area than the said first mentioned piston, means responsive to fluid under pressure, a conduit, interposed between said pressure-responsive means and the side of said first-mentioned piston remote from said second piston, for containing a column of fluid under pressure, means for admitting fluid under pressure to the space between said two pistons to provide a resultant thrust, on the assembly comprising said pistons, in a direction to oppose the thrust on the assembly by pressure in said conduit, and adjustable means for loading said assembly to assist said resultant thrust, whereby the pressure in said conduit may be varied by adjusting said adjustable loading means, said conduit being formed with a leakage port and said first-mentioned piston being formed with a passage for the admission of fluid from said space to said conduit in an amount equal to the leakage through said leakage port when said pistons are in equilibrium condition.

2,273,172
TELEVISION SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1940, Serial No. 320,233
2 Claims. (Cl. 178—7.5)



1. A television receiver for the reception of a picture signal representing a picture sequentially scanned at a certain frame frequency, said receiver comprising cathode ray means for reproducing said picture, a second cathode ray means for reproducing said picture in superimposed relation to said first reproduced picture, a picture storage tube comprising a double-sided mosaic of capacity elements, an electron gun positioned on one side of said mosaic to direct a cathode ray thereupon, an electron gun positioned on the other side of said mosaic to direct a cathode ray upon said other side, means or deflecting the first cathode ray of said storage tube and the cathode ray of the first picture reproducing means at the said frame frequency and in synchronism and in the same time relation, means for so applying picture signals to the storage tube that the scanning of the mosaic by the first cathode ray of the storage tube causes an electrostatic picture image to be formed on said mosaic, means for taking picture signal from the said other side of the mosaic as it is scanned by the second cathode ray of the storage tube, means for producing a deflecting wave occurring at the picture frame frequency which is delayed with respect to the first-mentioned deflection by an amount equal to one-half the frame period of the received picture, means for applying said delayed deflecting wave to both the storage tube and the second picture reproducing means for deflecting the second cathode ray of the storage tube and the cathode ray of the second picture reproducing means in synchronism and in the same delayed time relation with respect to the first-mentioned deflection, and means for supplying the picture signal taken from said mosaic to the second picture reproducing means.

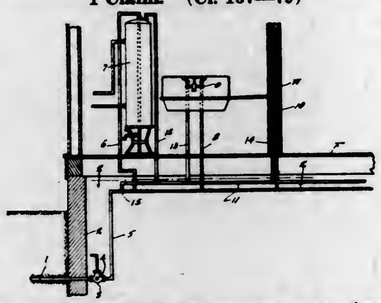
2,273,173
MOTION-TRANSMITTING MECHANISM
Bryan Brassell, Puerto de Luna, N. Mex.
Application March 11, 1941, Serial No. 382,823
18 Claims. (Cl. 74—110)



1. In motion-transmitting mechanism, a reciprocatory drive member, a power source operative to provide and control the timing and length of reciprocation of such drive member, a reciprocatory driven member in general alinement with the drive member, and a leverage unit operatively connecting the reciprocatory drive and driven members, said unit having a direct drive connection with such drive member to thereby bodily reciprocate the unit in coincidence with the drive member and having direct connection with the driven member to thereby drive the latter, said unit including means operative within

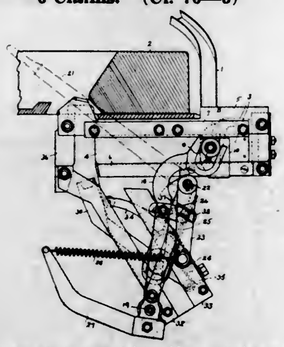
the opposite end zones of reciprocation by unit reciprocation for varying the drive relation between the members by varying the leverage angularity of lever elements to thereby control the movement of the driven member within such zones, said driven member movements intermediate such zones being by the unit and in one-to-one drive relation with such drive member with the overall length of reciprocation of the driven member less than the similar length of reciprocation of the drive member.

2,273,174
HOT WATER DRAIN DEVICE
Oscar Brooks, Arkadelphia, Ark.
Application July 11, 1941, Serial No. 402,005
1 Claim. (Cl. 137—79)



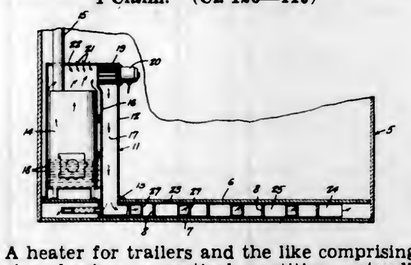
In a water installation system, a service line for water under pressure, a cold water line, a combination cut-off and drain valve connecting said line to said pipe constructed and arranged in one position to admit water under pressure to said line and in another position to drain said line, a hot water line communicating with said cold water line through conventional water heating means and including portions at levels incapable of being drained through the cold water line, means including a pipe line connecting said hot water line to the cold water line arranged to effect drainage of the said portions of the hot water line, a check valve in said pipe line constructed and arranged to close said pipe line to flow of cold water from the cold water line to the hot water line when the cold water line is under pressure and to open when the pressure is relieved.

2,273,175
FORGING MACHINE
Linwood M. Brown, Pittsburgh, Pa., assignor to L. M. Brown, Inc., a corporation of Delaware
Application December 20, 1940, Serial No. 370,975
6 Claims. (Cl. 76—5)



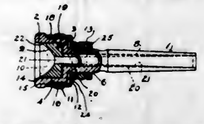
1. In a forging machine the combination with a die, of a guideway, a blank-carrier reciprocable along said guideway between receiving and delivering positions, means for positively driving said carrier along said guideway through a predetermined course, a spring tending to shift the so driven carrier in reverse direction, means for releasing the carrier from said positive driving means at the end of such course to the action of said spring, and a movable work support adapted to engage a blank within the carrier when the carrier in response to said positive driving means has come to the end of its course, and to bring the blank to position with relation to the die.

2,273,176
FLOOR HEATER
Fred C. Burt, New Hudson, Mich.
Application March 25, 1940, Serial No. 325,881
1 Claim. (Cl. 126—110)



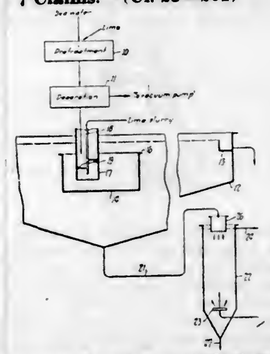
A heater for trailers and the like comprising a casing having a vertical partition extending therethrough from the bottom to a point short of the top of the casing, the said partition dividing the interior of the casing to form a heating chamber and a discharge duct opening at the bottom of the casing, the top of the casing above the heating chamber having a plurality of air inlet apertures, a heater mounted within the heating chamber of the casing having its top spaced below the top of the chamber, and a blower mounted within the casing at the top of the discharge duct operative to draw heated air from the heating chamber and air through the inlet apertures in the top thereof and force the said air downwardly through the duct and outwardly through the bottom outlet therein.

2,273,177
PITCH MODIFYING MOUTHPIECE FOR BRASS WIND MUSICAL INSTRUMENTS
Domenick Calicchio, New York, N. Y.
Application April 4, 1940, Serial No. 327,808
9 Claims. (Cl. 84—399)



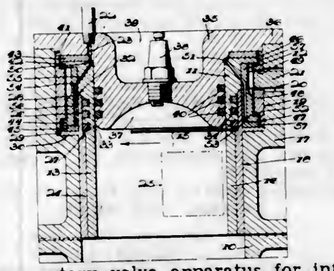
1. A pitch adjusting mouth piece for brass musical instruments comprising an apertured mouth piece portion having an elongated stem, an apertured concaved bell portion mounted in said apertured mouth piece portion for slidable and rotative movement therein, rotative means externally mounted on said mouth piece portion and connected to said bell portion for adjustably causing the movements of said bell portion and means externally mounted on said mouth piece portion for locking all of said relatively moving portions in adjusted operative positions.

2,273,178
PROCESS FOR MANUFACTURE OF MAGNESIUM PRODUCTS FROM BRINE
Neil R. Collins, San Francisco, Calif., assignor to Marine Magnesium Products Corporation, a corporation of Delaware
Application October 25, 1938, Serial No. 236,889
7 Claims. (Cl. 23—201)



1. In a process for the manufacture of magnesium hydroxide from brines containing convertible magnesium salts, the steps of deaerating the brine while the brine is at a temperature of the order of from 18 to 22° C., and then contacting the deaerated brine with a hydroxide capable of precipitating magnesium hydroxide.

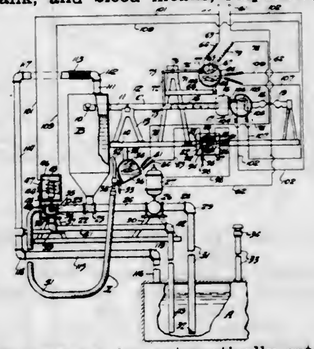
2,273,179
ROTARY VALVE AND LUBRICATION THEREOF
George E. Davison, Washington, D. C., assignor to Davison-Douglas Corporation, New York, N. Y., a corporation of Delaware
Application August 30, 1940, Serial No. 354,894
33 Claims. (Cl. 123—80)



1. In a rotary valve apparatus for internal combustion engines of the type including a stationary casing structure surrounding the valve and having an oil inlet and an outlet through which oil may flow after lubricating the valve, means for maintaining by operation of centrifugal force a quantity of oil disposed as an annular body in and filling the space between said stationary casing structure and the adjacent portion of said valve in a position such that said oil will seal a path along which gases attempt to flow in escaping from the engine cylinder.

2,273,180
LIQUID WEIGHING AND DISPENSING APPARATUS
Manuel Martinez de Castro, Habana, Cuba
Application June 29, 1939, Serial No. 281,941
In Cuba February 6, 1939
12 Claims. (Cl. 249—2)

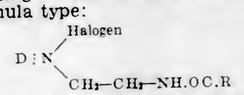
1. In an apparatus for dispensing liquid according to weight, a storage reservoir, a weighing tank, weighing means supporting said tank, feeding means for conveying liquid from said reservoir to said tank, cut-off means responsive to said weighing means for automatically stopping said feeding means approximately when a predetermined weight of liquid has been introduced into said tank, and bleed means, responsive to said



weighing means, for automatically returning to said reservoir any liquid in excess of said predetermined weight fed into said tank, said feeding means comprising an electric pump and said cut-off means comprising means for breaking the circuit of said pump after said weighing tank has moved into a predetermined position under the weight of said liquid.

2,273,181
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1941, Serial No. 401,375
4 Claims. (Cl. 252—344)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising a chemical compound of the following formula type:

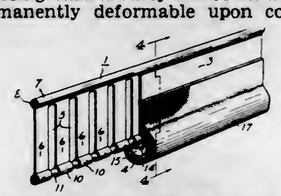


in which the acyl radical R.CO is derived from a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms, and D:N represents a radical derived from a heterocyclic compound of the pyridine series consisting of pyridine, quinoline, isoquinoline, and C-methyl homologs thereof.

2,273,182
SEALING STRIP
Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 17, 1939, Serial No. 251,397
10 Claims. (Cl. 20—69)

4. A bendable core for window or door stripping comprising a metal strip having one marginal edge portion continuous and a series of spaced tongues extending laterally from said portion, the ends of said tongues being bent reversely to form a succession of discontinuous

aligned beads, and a hollow collapsible member extending longitudinally through the beads, said member being embraced by the beads and locally and permanently deformable upon collapse of



the beads thereagainst whereby the collapsed beads embrace the deformed member to prevent longitudinal movement of the beads relative to the member.

2,273,183
PROCESS FOR THE REMOVAL OF SKINS OF FILBERT NUTS
Edward B. Edes, Lebanon, Oreg.
No Drawing. Application March 22, 1940, Serial No. 325,368
4 Claims. (Cl. 146—32)

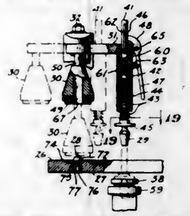
1. The process of removing the skins of nut meats, which comprises immersing the meats with the skins thereon in a solution of approximately 3% of one of the alkalis of the group consisting of sodium hydroxide, sodium carbonate, sodium bicarbonate and borax for a period of from one to four minutes, removing the nut meats and rinsing the same in water, immersing the nut meats in a bath of about 2% to 4% solution of an acid of the group consisting of hydrochloric, acetic and citric acids for a period of from one to four minutes, removing the nut meats from the last mentioned bath, and then subjecting the material to a forcible action of water to remove the skins.

2,273,184
ICE CAN
Thomas S. Elliott, Sr., Norfolk, Va., assignor to Victor Products Corporation, Hagerstown, Md.
Application November 12, 1940, Serial No. 365,373
10 Claims. (Cl. 62—108.5)



1. A can for making ice cubes comprising a body, grids removably located in the body for forming the cubes and a longitudinally extending resilient member in the can for permitting expansion of the freezing water and preventing bulging the sides of the can, said resilient member separating one grid from another and being separable from the grids.

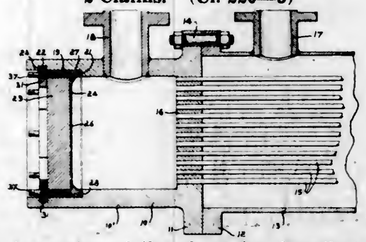
2,273,185
APPARATUS FOR SECURING VALVE STEMS TO RUBBER TUBES
Max L. Engler and Walter J. Breth, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 27, 1938, Serial No. 227,175
11 Claims. (Cl. 154—9)



1. Apparatus for securing a rubber base valve stem to a tube having a hole therein, comprising an anvil to extend into the tube, and a holder and resilient means supporting the same on the anvil, said holder having valve stem engaging means normally extending above the top of the anvil and through the hole in a tube on the anvil to support a valve stem above and spaced from the surface of such tube to which the valve stem is to be attached, and said holder being movable with the valve stem as the base of the latter is pressed against the tube.

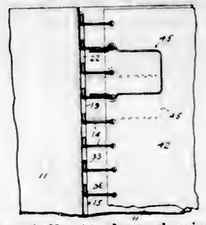
5. Apparatus for attaching valves to tubes comprising an anvil to receive a tube, a carrying member and means supporting the same for movement toward and away from the anvil, a support on the carrying member having a punch supported thereby for relative movement toward and away from the anvil, a spring interposed between the support and the punch for normally urging the latter toward the anvil, a presser on the carrying member, power means for actuating the carrying means to move the presser toward the anvil, and means coacting with the punch to energize the spring upon said actuation of the carrying means.

2,273,186
CLOSURE FOR HIGH PRESSURE HEADS
Frederick K. Fischer, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1938, Serial No. 203,290
2 Claims. (Cl. 220—3)



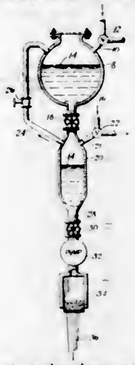
2. Apparatus of the character described comprising a hollow, pressure-sustaining body member having a thrust shoulder and a sealing surface; a cover intermediate said thrust shoulder and said sealing surface; a diaphragm comprised by a rigid rim portion positioned between said cover and said sealing surface and a flexible central portion contacting said cover and transmitting pressure thereto from within the body member; a plurality of shear pieces for transmitting pressure from the cover to the thrust shoulder; and means carried by the cover for urging the rim portion of the diaphragm into sealing relation with the sealing surface; said means comprising bolts carried by the cover and engaging the rim portion under compression and the bolts having heads which are accessible exteriorly of the body member and of the cover for adjustment of the sealing pressure.

2,273,187
METAL LOOSE LEAF BINDER
John B. Godvin, Orange, N. J., and Harold D. Penney, Pelham, N. Y.; Elizabeth Penney executrix of said Harold D. Penney, deceased
Application July 7, 1939, Serial No. 283,152
3 Claims. (Cl. 129—4)



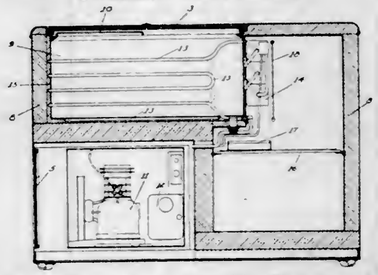
3. A substantially U-shaped wire flipper comprising arms bent respectively to form recesses between the yoke of the flipper and the free ends of the arms most remote from the yoke; each of said arms at the recess forming opposed shoulders adapted to receive therebetween a ring of a loose leaf binder and to hold said flipper against movement from the ring in either direction longitudinal to the flipper.

2,273,188
METHOD AND APPARATUS FOR PRODUCING ARTIFICIAL STRUCTURES
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 12, 1939, Serial No. 267,386
8 Claims. (Cl. 18—8)



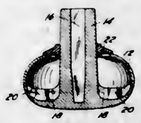
7. In a melt spinning apparatus, a reaction vessel for synthesizing a linear superpolymer at a temperature above the melting point thereof, a closed auxiliary feeding chamber connected to said reaction vessel, whereby a portion of said superpolymer from said vessel may be passed to said chamber, means for passing gas from the chamber to said vessel, means for closing the connection between said vessel and chamber, means for evacuating said vessel, means for passing a gas into said chamber, means for passing said polymer from said chamber into a pump, a spinneret assembly, and means for passing said polymer from said pump to said spinneret assembly.

2,273,189
BOTTLE COOLER
Robert H. Guyton, Oak Park, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application May 7, 1936, Serial No. 78,332
8 Claims. (Cl. 62—128)



4. A cooler having in combination a case provided with upper closures, an open-top metal tank disposed within the case towards the upper end thereof, a refrigerating unit expansion coil surrounding the tank and embracing its walls to effect efficient thermal contact between the coil and said tank walls, an insulating material surrounding the coils and contacting the tank walls over areas in addition to those contacted by the expansion coil, and a dry storage compartment also within the case, said dry storage compartment having a portion of the expansion coil extending thereinto.

2,273,190
METHOD OF MAKING MOLDED KNOBS OR BALLS
George Harrison, Toledo, Ohio, assignor to Doehler Die-Casting Co., Toledo, Ohio, a corporation of New York
Application May 28, 1938, Serial No. 210,638
3 Claims. (Cl. 29—161)



1. In the manufacture of a one-piece hollow molded knob or ball having a central axially extending integrally made shank or hub-projecting from one side toward and through the opposite side, the method which includes preliminarily molding an embryo body having the desired shank, said body resembling the desired finished body except that it is provided with an annular substantially cylindrical flange or skirt surrounding said shank and projecting for a substantial distance from the body at the point of maximum diameter and thus constituting an open body adapted to be molded in and ejected from a simple two-part mold, and thereafter bending the aforesaid skirt or flange inwardly toward the shank so substantial an amount as to at least partially close the hollow body to form the desired knob or ball.

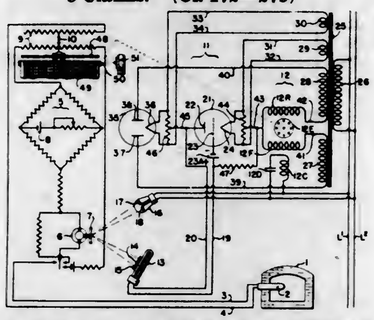
2,273,191

MEASURING AND CONTROL APPARATUS

Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application December 23, 1937, Serial No. 181,309, now Patent No. 2,172,064, dated September 5, 1939. Divided and this application August 26, 1939, Serial No. 292,061

8 Claims. (Cl. 172—278)



8. In a motor control system, a reversible rotating field motor having a plurality of winding means, an alternating voltage source of predetermined frequency, permanent connections between a first one of said motor winding means and said alternating voltage source, a transformer having a primary winding and a pair of secondary windings, connections between the ends of said transformer primary winding and said alternating voltage source, permanent connecting means between said pair of transformer secondary windings and another of said motor winding means, means including electronic valve means associated with said connecting means to control the flow of current through said connecting means, said transformer secondary windings and said last mentioned means being so constructed that current is alternately adapted to flow through said connecting means from one secondary winding and then from the other secondary winding, and means to cyclically vary the conductivity of said electronic valve means at the frequency of said alternating voltage source.

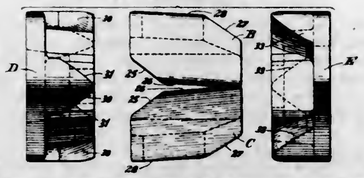
2,273,192

FRICTION SHOCK ABSORBING MECHANISM

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application March 8, 1940, Serial No. 322,997

12 Claims. (Cl. 213—32)



1. In a friction shock absorbing mechanism, the combination with a friction casing having inwardly converging friction surfaces; of a sliding friction clutch within said casing, said clutch including an annular series of friction shoes and front and rear wedge blocks, each friction shoe having rocking engagement at its forward end with the shoe adjacent one side thereof and rocking engagement at its rear end with the shoe at the other side thereof, said front wedge block having wedge means thereon having wedging engagement between the sides of the front ends of adjacent shoes which have rocking engagement with each other at their rear ends and said rear wedge block having wedge means thereon having wedging engagement between the sides of the rear ends of adjacent shoes which have rocking engagement with each other at their front ends; and yielding means resisting inward movement of said clutch.

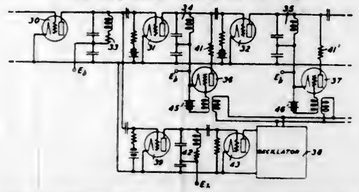
2,273,193

WAVE TRANSMISSION AND SHAPING

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 7, 1938, Serial No. 233,761

11 Claims. (Cl. 178—66)



1. In combination, means to impress on a circuit electrical impulses in periodically recurring time intervals with intervening spacing intervals, said circuit having reactance tending to prolong the impulses into the subsequent time intervals, a damping resistance the value of which can be varied between wide limits connected in shunt relation to said reactance, and means to suppress the prolonged parts of said impulses in said circuit comprising means operating to vary the value of said resistance between its limits in time-correspondence with said impulses to provide low shunting resistance across said reactance in said spacing intervals.

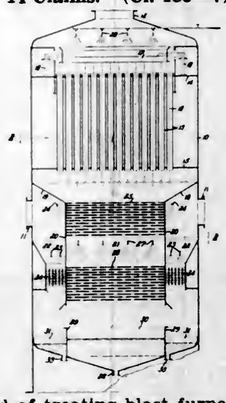
2,273,194

GAS CLEANING

Carl W. J. Hedberg, Bound Brook, and Joseph Phyl, Fanwood, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York

Application March 11, 1941, Serial No. 382,814

14 Claims. (Cl. 183—7)



7. Method of treating blast furnace gases and the like which comprises rough-cleaning the gas by contact with a high velocity confluent stream of water, collecting the wash water from said rough-cleaning operation, sharply altering the direction of flow of the gas, further cleaning the gas by contact with an extended surface stream of water flowing counter-current to the flow of the gas, and finally cleaning the gases by subjecting them to the action of an electric field in the presence of an extended surface stream of water, collecting together the water from said second cleaning and said electrical cleaning and separately collecting the water from said rough-cleaning operation.

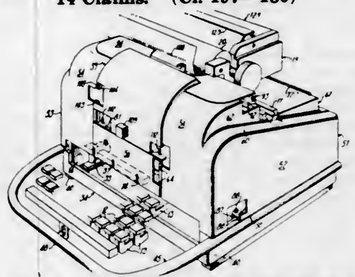
2,273,195

TYPEWRITING MACHINE

William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,837

14 Claims. (Cl. 197—186)



12. In a typewriter, a mechanism-encasing composite mask comprising, oppositely disposed spaced walls provided with shoulders extending toward each other, an intermediate shrouding member, and tongue and groove formations on said intermediate member and said shoulders, fitting each other in a manner to interlock rigidly said spaced walls with the intermediate member laterally and to render said intermediate member displaceable from said spaced walls.

2,273,196

PROCESS FOR THE PREPARATION OF USCHARIN AND USCHARIDIN

Gerhard Hesse, Marburg-on-the-Lahn, Germany, assignor to the firm C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, a firm of Germany

No Drawing. Application January 19, 1939, Serial No. 251,740. In Germany January 22, 1938

14 Claims. (Cl. 260—210)

1. The process of preparing the cardiac substance uscharidin which comprises obtaining the glucoside uscharin from the milky juice of Calotropis species, splitting said uscharin by treating it with an acidic splitting agent, and isolating uscharidin from the mother liquors.

2,273,197

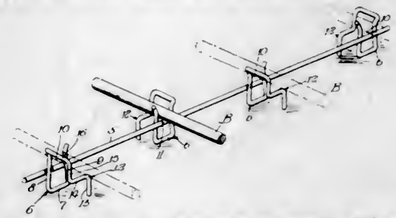
COMBINED BAR SUPPORT AND SPACER

Bror Hillberg, Chicago, Ill., assignor, by mesne assignments, to Superior Concrete Accessories, Chicago, Ill., a partnership consisting of Lawrence H. Umbach, Ruth M. Umbach, and Bror Hillberg

Application July 3, 1939, Serial No. 282,587

4 Claims. (Cl. 72—122)

1. A combined support and spacer for parallel substantially horizontal bars, comprising a spacer rod at right angles to and beneath the bars, a series of laterally spaced chairs positioned along and secured to the rod, associated with the bars respectively, and having pairs of opposed side pieces in contact with the rod and shaped to form with the adjacent portions of



the rod open top pockets for receiving and supporting the bars, and upstanding legs for preventing tilting of the chairs connected to said chairs and having pieces disposed in opposed and parallel relation with said adjacent portions of the rod and arranged to form auxiliary seats for supporting the bars from beneath.

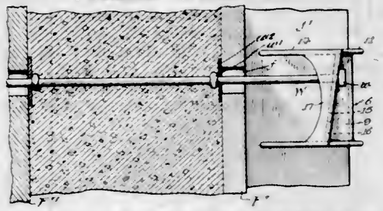
2,273,198

TIE WIRE CLAMP

Bror Hillberg, Chicago, Ill., assignor, by mesne assignments, to Superior Concrete Accessories, Chicago, Ill., a partnership consisting of Lawrence H. Umbach, Ruth M. Umbach, and Bror Hillberg

Application November 15, 1940, Serial No. 365,763

7 Claims. (Cl. 254—51)



1. A clamp adapted for application to a tie having one end thereof anchored and its other end provided with an enlargement at its extremity and projecting through and beyond a form with a reenforcing beam on its outer face adjacent the projecting end of the tie, and comprising a bracket shaped to fit around, and slide longitudinally on, the outer part of the beam, and an angularly disposed shelf at one side of the bracket having a slot therein for receiving said projecting end of the tie and adapted in response to sliding movement of the bracket in one direction relatively to the beam to engage the enlargement with a wedge action and to coact therewith in such manner as to urge the bracket into clamped relation with the beam and hold the beam and form in connected relation with the tie.

2,273,199

BOWLING BALL FINGER GRIP

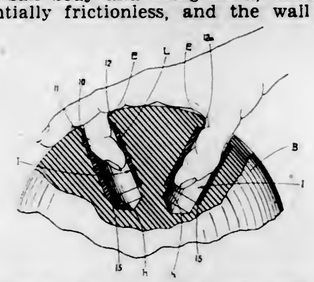
Norman Clif Hilton, Glen Ridge, and Joseph N. Kuzmick, Passaic, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application April 20, 1940, Serial No. 330,660

6 Claims. (Cl. 273—63)

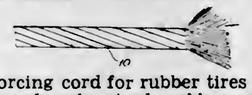
1. A bowling ball having a finger receiving hole, the wall structure of the hole being divided

into an entrant end region and an inner region, the wall at the entrant end region forming part of the ball body and being hard, smooth and substantially frictionless, and the wall at the



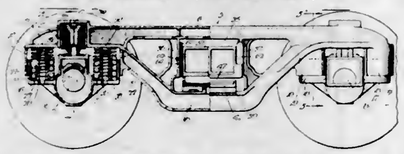
inner region comprising a compressible and resilient liner containing a lubricant, the liner face being rendered by the lubricant smooth and substantially frictionless when uncompressed.

2,273,200
ARTIFICIAL STRUCTURE
George Preston Hoff, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 1, 1938, Serial No. 238,210
6 Claims. (Cl. 152—359)



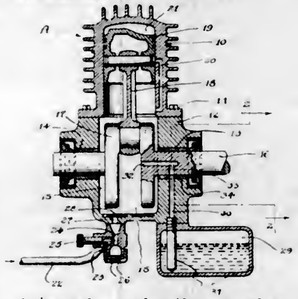
1. A reinforcing cord for rubber tires and similarly reinforced vulcanized rubber structures. said cord comprising oriented synthetic linear polyamide filaments, the filaments having an elongation of between 15% and 50%, and the cord structure having a sufficiently low twist as to exhibit an elongation substantially the same as the filaments.

2,273,201
HIGH SPEED RAILWAY CAR TRUCK
Cyrus J. Holland and Knute Edahl, Chicago, Ill., assignors to Holland Company, a corporation of Illinois
Application May 22, 1939, Serial No. 275,042
9 Claims. (Cl. 105—197)



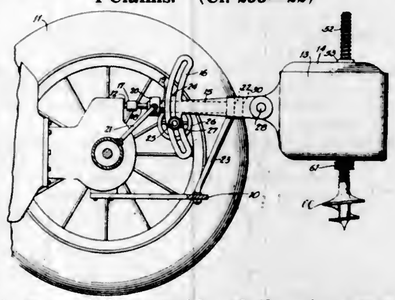
7. In a railway truck, a side frame at each side of the car, a plurality of axles for supporting said frames, a plurality of spring assemblies interposed between cooperating parts of said truck for resiliently supporting a load carried by said truck, said spring assemblies comprising a plurality of resilient units arranged to operate in parallel, certain of said units each comprising springs, their turns decreasing in cross-sectional area from one end to the other end for resiliently supporting variable loads, the external and internal diameters of said springs remaining constant throughout the length of the springs, the remaining unit being a single volute with its overlapping turns in frictional contact with each other for preventing harmonic action of said springs.

2,273,202
ENGINE
Thomas Jackson, Kokomo, Ind., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application May 15, 1940, Serial No. 335,361
16 Claims. (Cl. 123—73)



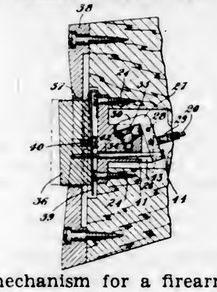
5. In an internal combustion engine of the two-stroke cycle type, a closed crankcase, a crankshaft rotatable therein, a crankshaft bearing, means for supplying a vaporized mixture of fuel and air to said crankcase in which same is compressed and subsequently introduced into the engine cylinder, and separate means for supplying a measured amount of lubricating oil to said crankshaft bearing and including an oil reservoir and cooperating passages connecting same with the crankshaft bearing and crankcase interior, said passages formed in the crankcase wall and crankshaft respectively and so constructed and arranged as to periodically place said oil reservoir in communication with the crankcase interior whereby to periodically cause the lubricating oil to flow to said crankshaft bearing.

2,273,203
POSTHOLE DIGGER
George W. Keene and Karl R. Johnson, Waterman, Ill.; said Johnson assignor to said Keene
Application October 1, 1940, Serial No. 359,208
4 Claims. (Cl. 255—22)



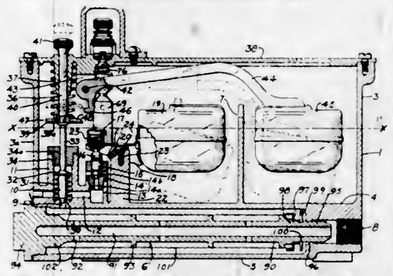
1. In a drill assembly of the character described and in combination with a tractor having a rigid frame and a power take-off shaft, a gear housing provided with a pair of forwardly extending spaced arms, a sleeve aligned with the take-off shaft and located between said arms and carrying a spacer block to which the forward ends of said arms are adjustably secured to permit tilting of said arms and the gear housing with relation to said sleeve, a forward bracket member supporting the forward end of said sleeve and rigidly secured to the frame of the tractor, a rear bracket member supporting the rear end of said sleeve and rigidly secured to the rear portion of the frame of the tractor to afford immovable support for both ends of said sleeve with respect to the tractor frame, a member adjacent the rear end of said sleeve and carrying trunnions upon which said arms are pivoted near their rear ends, a forward shaft section coupled to the take-off shaft and journalled through the sleeve, a rear shaft section flexibly connected to the forward shaft section at a point in alignment with the axis of the trunnions, a drill shaft entered through the gear housing and provided with a drill at its lower end, and a reversible power transmission train connected with the rear shaft section for imparting rotation to the drill shaft and for selectively imparting down-feeding and up-feeding movements thereto.

2,273,204
SAFETY MECHANISM FOR FIREARMS
Herman J. Kneubuehl, Shanesville, Ohio
Application March 21, 1940, Serial No. 325,198
7 Claims. (Cl. 42—70)



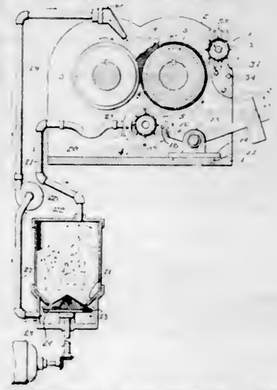
6. Safety mechanism for a firearm having a firing mechanism, including latch means engaging the firing mechanism, walls forming a conical normally vertically disposed downwardly converging socket having a ball seat adjacent one end of the latch means, and a ball freely movable by gravity in said socket and arranged to rest in said ball seat in spaced relation to said latch means when the firearm is in normal shooting position and to move into wedging engagement between the latch means and the socket wall in all other positions of the firearm.

2,273,205
FUEL CONTROL DEVICE
Fred A. Kommer and Russell F. Smith, St. Louis, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 26, 1940, Serial No. 315,724
5 Claims. (Cl. 137—68)



1. In a liquid supply system, a liquid passage having a valve seat, a valve controlling said seat, means normally urging said valve toward its open position, a valve actuating plunger for said valve and having an axially facing shoulder, means yieldingly urging said plunger toward said valve, latch means constructed and arranged to engage said shoulder and hold said plunger in a cocked position, and a device responsive to predetermined liquid pressure conditions in said system to release said latch and permit said plunger to close said valve, said plunger being manually rotatable about its longitudinal axis to disengage said latch means from said shoulder and trip said actuating plunger.

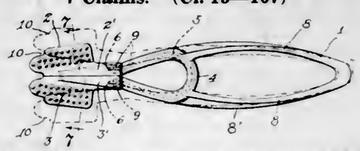
2,273,206
METHOD AND APPARATUS FOR INCORPORATING FIBROUS MATERIAL IN RUBBER
John W. Kuhn, Akron, Ohio
Application July 24, 1939, Serial No. 286,297
17 Claims. (Cl. 18—2)



1. The method of incorporating fibrous material in the form of separated fibers in rubber, which comprises placing a quantity of rubber in a rubber mill, milling the rubber until it becomes plastic and adhesive, rotating a batch of fibrous material contiguous to the rubber in the mill, whereby the adhesiveness of the rubber will cause same to pick up and separate fibers of the fibrous material, and thereafter working said fibers into the rubber.

10. The method of incorporating fibrous material in the form of separated fibers in rubber, which comprises placing a quantity of conventional uncured rubber in a rubber mill, milling the rubber until it becomes plastic and adhesive, rotating a batch of fibrous material adjacent a roller of the mill, and operating the mill, whereby the rubber in passing through the mill will contact the fibrous material and pick up portions of segregated fibers thereof.

2,273,207
TOOTHBRUSH
John W. Kuhn, Akron, Ohio
Application August 9, 1939, Serial No. 289,299
7 Claims. (Cl. 15—167)



1. A toothbrush comprising an elongated loop-shaped handle formed of resilient and moldable

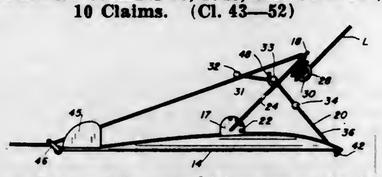
material, said loop being divided at one end to provide two flexible branches, a bridge member extending transversely of the handle to form a fulcrum for the branches, an extension on the free end of each branch, said extensions being arranged in parallel and normally in contact throughout their length, and a brush head connected with each extension, the bristles of the brush heads being substantially normal to the plane of the handle.

2,273,208
TREAD STRUCTURE
Albert L. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, a corporation of Pennsylvania
Application January 16, 1939, Serial No. 251,197
5 Claims. (Cl. 228—58)



1. A ladder tread comprising a corrodible sheet steel supporting plate, a plurality of corrosion-resisting socket members secured on one side of said plate in spaced relation to each other, an abrasive non-slip element secured in each of said socket members, and a corrosion-resisting metallic coating covering the exposed surfaces of said plate and said socket members.

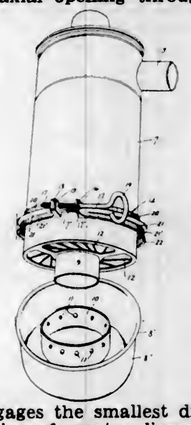
2,273,209
FISHING KITE
Clissolde L. Louthan, Lakeside, Wash.
Application November 26, 1940, Serial No. 367,156
10 Claims. (Cl. 43—52)



1. A fishing kite comprising an ovate transversely curved body plate having aligned side ears, a bail having loops journaled in said ears and supporting a fork, said bail also being provided with grip means to engage a trolling line, link means engaged between said fork and anchored to said body plate forward of the pivotal axis of said bail, trailing upright fin means on said body plate, and means on a rear portion of said body plate to guide a trolling line extending rearwardly from said line grip means.

2,273,210
DEVICE FOR DETACHABLY CLAMPING CYLINDRICAL SECTIONS TOGETHER
Wilfred W. Lowther and Fred R. Nohavec, St. Paul, Minn., assignors, by direct and mesne assignments, of twenty-five per cent to Ruth C. Donaldson, twenty per cent to Robert H. Donaldson, twelve and one-half per cent to A. Donaldson Olin, six and one-fourth per cent to Mae D. Buckeye, six and one-fourth per cent to Ralph A. Buckeye, five per cent to Margaret M. Donaldson, and twenty-five per cent to Ruth C. Donaldson as trustee
Application July 22, 1940, Serial No. 346,798
4 Claims. (Cl. 285—129)

1. In combination, a pair of axially aligned cylindrical sections provided with cooperating outstanding annular coupling flanges, and a cross-sectionally channel-shaped split clamping band comprising inwardly diverging annular band flanges forming opposite sides of a common channel and engaging opposite of said annular coupling flanges with a clamping action tending to draw the same together, the coupling flange of one of said sections being of greater diameter than the coupling flange of the other section, and the axial opening through the band



flange that engages the smallest diameter coupling flange being of greater diameter than the axial opening through the other of said band flanges, whereby the clamping band will remain locked against axial displacement in either direction from the larger diameter coupling flange when said band is opened sufficiently to permit axial displacement of the smaller diameter coupling flange from the channel of the clamping band.

2,273,211
TUBULAR COUPLING
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application February 25, 1939, Serial No. 258,373
1 Claim. (Cl. 285—192)

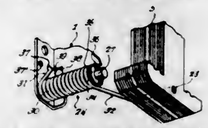


A sealed tubular coupling for suction tubes including separable tubular members telescoped one within the other, and a closure sleeve having a body portion making a circumferential closure with the inner tubular member and having a resilient gripping ring end mouth at the end of said inner tubular member making a gripping closure with the entire inner circumference of the outer tubular member, said gripping ring end mouth being thicker than the closure sleeve body portion and having an external circumference normally greater than the inner circumference of said outer tubular member.

2,273,212
SPRING DEVICE
Lynn H. Matthias, Shorewood, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 27, 1939, Serial No. 264,428
4 Claims. (Cl. 175—341)

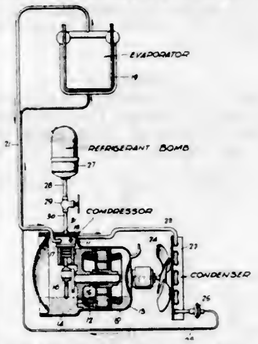
2. A spring return device for an electro-

magnet having a base, a fieldpiece mounted on said base, an armature cooperating with the fieldpiece and adapted to move in substantially a straight line; said spring return device comprising a helical coil spring having a plurality of turns, a spindle and a bearing with a shoulder integral therewith; one end of the spindle being mounted on the base and the other end of the spindle mounting the bearing; said coil spring disposed concentrically on the spindle with one end of the spring attached to the base and restrained from rotating relative to the spindle; the other end of said coil spring having means coupling it with the armature whereby upon



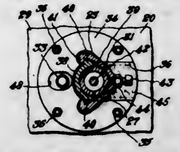
straight line motion of said armature said second mentioned end rotates relative to the spindle; said bearing being rotatable on the spindle with said shoulder opposing end thrust of said second mentioned end, and said bearing extending far enough within sufficient turns at the end of the spring attached to the armature to oppose radial thrust thereof but not far enough to come into contact with the remaining turns of the spring, whereby, said bearing and shoulder turn with and support the end of the spring attached to the armature free of restraint by the turns of the spring having less relative motion with respect to the spindle than the end turns in contact with said bearing.

2,273,213
METHOD OF CHARGING REFRIGERATING SYSTEMS
Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1940, Serial No. 335,441
8 Claims. (Cl. 62—170)



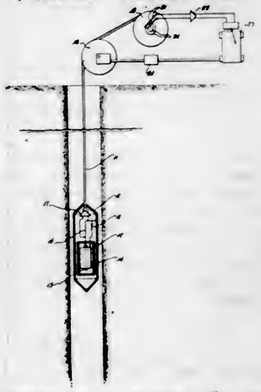
1. The method of charging a refrigerating system including an evaporator, a compressor, a condenser and an expansion device, with refrigerant and lubricant and removing non-condensable gases from said system, which method comprises connecting to the system a container containing refrigerant and lubricant for charging the system, transferring refrigerant and lubricant from the container to the system, transferring non-condensable gases from the system to the container by operating the compressor to effect flow of a mixture of non-condensable gases and refrigerant vapor into the container, condensing refrigerant vapor in the container and returning the refrigerant condensed in the container to the system.

2,273,214
SUPPORTING DEVICE FOR PUMPS
James W. McConaghy, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application July 10, 1940, Serial No. 344,635
3 Claims. (Cl. 103—218)



2. A supporting device for a pump having an extension, comprising a plate having a seating surface for the extension and a radial slot leading from the intermediate portion to the edge of the plate to permit the passage of the extension therethrough to the seating surface, projections on the plate on the opposite sides of the seating surface, a yoke partly encircling the extension and interlockingly engaging the projections, and means on the yoke to clamp the extension against the seating surface and to secure the yoke firmly to the projections.

2,273,215
WELL SURVEYING METHOD AND APPARATUS
Jacob Neufeld, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application April 22, 1940, Serial No. 331,039
7 Claims. (Cl. 250—83.6)

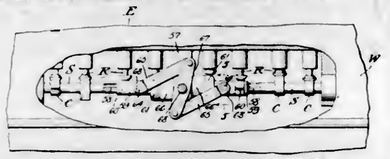


1. A method of determining the point of entrance of fluid into a well bore that comprises taking a radioactivity versus depth parameter of the fluid in the well, reducing the hydrostatic pressure of the fluid in the well and taking a second parameter of radioactivity versus depth of the fluid in the well.

2,273,216
FUEL AND VALVE CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINES
Clarence M. Oertel, Detroit, Mich.
Application March 17, 1941, Serial No. 383,840
2 Claims. (Cl. 123—52)

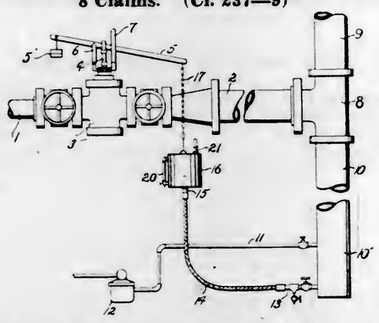
1. In a system of the character described, the

combination with an internal combustion engine having a plurality of cylinders, a rotary cam shaft, and valve actuating push rods operatively engaging the cam shaft, of a pair of cam sleeves slidably mounted on the cam shaft, mechanism for sliding the sleeves along the cam shaft to dispose cams thereon in normal operative posi-



tion and in positions wherein the intake valves of predetermined cylinders of the engine will be retained in closed position and the exhaust valves of the said cylinders will be maintained in open position, and means connected with the intake manifold of the engine for automatically actuating the sleeves in accordance with the pressure in the cylinders of the engine.

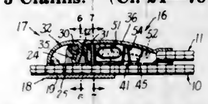
2,273,217
METHOD OF AND APPARATUS FOR CONTROLLING FLOW
Ralph W. Pressey, Newtown Square, Pa.
Application March 17, 1939, Serial No. 262,372
8 Claims. (Cl. 237—9)



3. A method of controlling the flow of a condensible vapor which comprises condensing a portion of such vapor in a receiver, expelling from said receiver variable portions of the condensate by the pressure on the condensate of uncondensed vapor and controlling the supply of vapor by variations in the weight of the expelled portions of condensate which vary the elevation of the expelled condensate, relatively to the point of expulsion thereof from the receiver, inversely to the weight of condensate expelled so that the greater the weight of the condensate portions expelled the lower the elevation thereof falls.

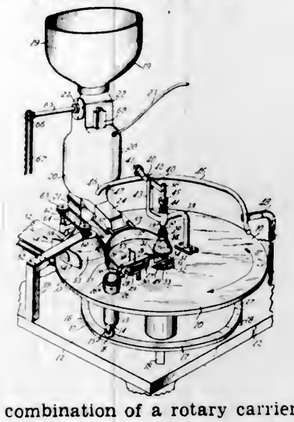
8. The combination with a conduit and condensate-receiver means communicating therewith, of weight-operable valve mechanism controlling flow between said conduit and means, a liquid container suspended from said valve mechanism and imparting stress to the valve mechanism proportional to the weight of the contents of said container, an air-escape port in said container, a float-operable valve controlling said port, said container having therein means forming a plurality of ports for supplying liquid thereto and draining liquid therefrom, one of said ports being below and smaller than the other so that said container may be filled more rapidly than it can be drained, a flexible tube connecting said means with said ports, and a trapped discharge pipe communicating with said means above the connection of said flexible tube therewith.

2,273,218
BRACELET CONSTRUCTION
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application February 15, 1939, Serial No. 256,478
3 Claims. (Cl. 24—78)



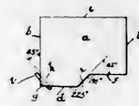
2. In a device of the character described, in combination, a bracelet catch comprising two individual sections, one of said sections including a channel member shaped so that a section of a flat bracelet may slide therein, said channel-shaped member having a bottom portion and a pair of side walls, a floating member mounted on said first-mentioned member and adapted to engage the side of said bracelet opposite that engaged by the bottom portion of said channel member, a pin secured to said side walls and spanning the space therebetween, a lever pivotally mounted on said pin and including a part adapted when said lever is pivoted to engage and force said floating member into clamping relationship with said bracelet, a hook formed on and extending from said floating member and having its free end positioned outwardly from the bottom portion of said channel member, a projection formed on each of said side walls and extending therefrom toward one another, a hook formed on said second section and shaped to interfit with the hook on said first-mentioned section, latch means resiliently mounted on said second section and extending from the sides thereof, said latch means being adapted to interlock with the projections on said first section when said sections are hooked together, and means extending from said second section and connected to said latch means and exposed for manual operation when said members are in hooked relationship.

2,273,219
DOUGH-MOLDING MACHINE
Herbert C. Rhodes, Portland, Oreg.
Application January 27, 1940, Serial No. 315,879
6 Claims. (Cl. 107—9)



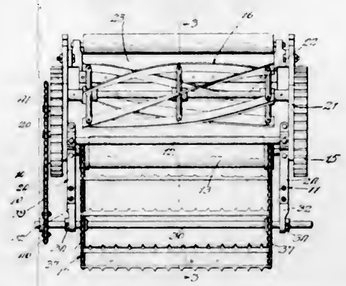
1. The combination of a rotary carrier having a measuring pocket, a dough hopper provided with a nozzle adapted to extrude dough into said pocket, a piston within said pocket adapted to eject the dough therefrom, a molding cup movable with said carrier adapted to round the ejected dough on said piston, and mechanism for raising said molding cup after its rounding operation is completed, to clear said nozzle.

2,273,220
COMPOSITION ROOF COVERING
Alexander Ritter, Rahway, N. J., assignor to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey
Application September 17, 1940, Serial No. 357,077
8 Claims. (Cl. 108—7)



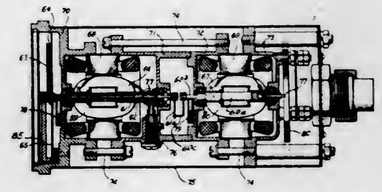
1. A flexible shingle adapted to be laid by the "Dutch lap" method comprising a body having a top edge, side edges, a weather edge comprising portions offset on a line out of the vertical with respect to the weather edge and a folded under tab, carrying locking means, located at a corner of the shingle adjacent one of the offset portions of the weather edge, the fold line of the tab extending at an angle to the adjacent portion of the weather edge and being of about the same length and angularity as the line of offset between the weather portions.

2,273,221
LAWN MOWER ATTACHMENT
Daniel N. Roundy, Cheney, Kans.
Application August 4, 1940, Serial No. 351,351
7 Claims. (Cl. 56—249)



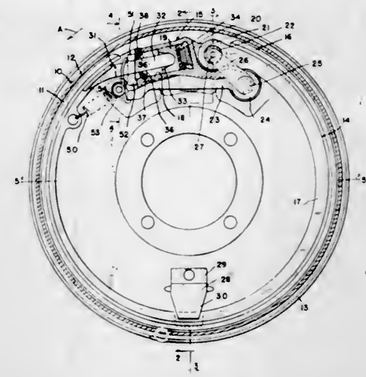
1. The combination with a lawn mower having the usual frame, a pair of wheels supporting said frame, a rotary cutter on said frame, and a pair of oppositely disposed transversely aligned bearings on said frame, of laterally spaced brackets mounted for rotary adjustment on said bearings and extending forwardly therefrom, a roller rotatably supported by said brackets and disposed within the lateral confines of said wheels adjacent said rotary cutter, a reel supported by said brackets outside the lateral confines of said wheels and at an elevated position, a driving connection between said wheels and said reel, an endless conveyor supported on and between said roller and said reel and adjustable with said brackets, and means for locking said brackets in any adjusted position.

2,273,222
REMOTE MULTIPLE INDICATOR
Wladimir A. Reichel, Bellerose, and Morris F. Ketay, Brooklyn, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application November 15, 1935, Serial No. 50,024. Divided and this application December 15, 1937, Serial No. 180,039. In France July 22, 1935
7 Claims. (Cl. 177—327)



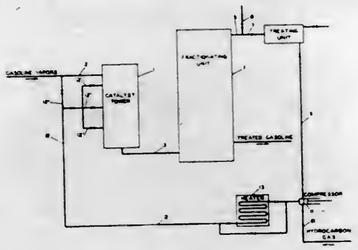
7. A multiple indicator comprising a dial having scale means thereon, a pair of concentric pointers cooperating with said scale means, a pair of electrical responsive devices behind said dial and each having a rotor and a stator, one of said rotors having a hollow shaft connected to one of said pointers for actuating it, a second shaft extending through said hollow shaft and connected to the other of said pointers, a third shaft carrying the other of said rotors, and detachable means for drivably interconnecting said second and third shafts for actuating said other pointer.

2,273,223
BRAKE MECHANISM
Charles A. Sawtelle, Plymouth, Mich.
Application July 5, 1939, Serial No. 282,875
5 Claims. (C. 188—152)



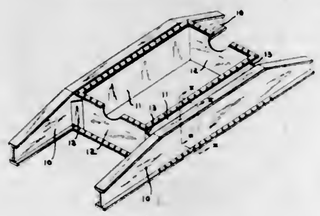
1. In brake mechanism, a brake drum, brake friction means supported within said drum for engagement with the latter and having spaced ends, means for expanding the friction means into engagement with the drum including a movable member engageable with one end of the friction means and effective to move the latter end into engagement with the drum, means actuated by the braking torque to effect movement of the spaced ends of the friction means radially inwardly of the brake drum, and means yieldably resisting radial inward movement of the spaced ends of the friction means.

2,273,224
PROCESS FOR TREATMENT OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 3, 1939, Serial No. 249,147
2 Claims. (Cl. 196—28)



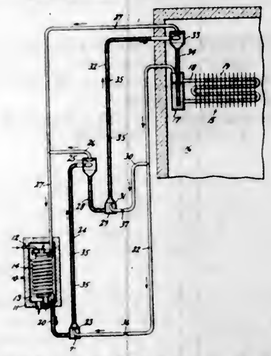
1. The process of improving the quality of straight run and cracked gasoline stocks containing organic sulfur impurities comprising passing the mixed vapors of the said straight run and cracked gasoline stocks over a catalyst of adsorbent clay at a temperature within the range of 500° to 1200° F., pressure between atmospheric and 100 pounds and at a flow rate of 1 to 100 liquid volumes per hour per volume of catalyst, and controlling the temperature of the gasoline stock vapor during the reaction by the addition of an inert gas at a temperature above that of the gasoline stock vapors to supply a portion of the endothermic heat of reaction.

2,273,225
MARINE TURBINE AND CONDENSER SUPPORT
Harold W. Semar, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1941, Serial No. 388,949
2 Claims. (Cl. 60—95)



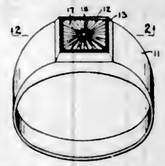
1. In a supporting construction for a turbine and its condenser, side girders, means for supporting the ends of the latter, a pair of inner girders forming a part of the turbine side walls, cross girders connected to the ends of the inner girders, vertical plates extending from the cross girders and joined to the side girders, sealing plates covering the spaces disposed outwardly of the inner girders and inwardly of the side girders and between said vertical plates, and a condenser having its inlet connected to the side and cross girders so as to be supported therefrom and having a sealed connected relation with respect to said vertical plates.

2,273,226
REFRIGERATION
Bennet Carroll Shipman, deceased, late of Arlington County, Va., by Clara Wood Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1938, Serial No. 218,485
13 Claims. (Cl. 62—125)



1. In a heat transfer system including a closed fluid circuit partly filled with a volatile liquid and having an evaporation portion at a first elevation and a condensation portion at a lower elevation, structure utilizing vapor produced in said evaporation portion to lift liquid in a plurality of stages between said elevations.

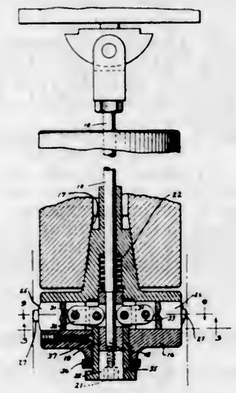
2,273,227
BOX STRUCTURE GEM MOUNTING
Joseph Simmons, Cincinnati, Ohio
Application July 23, 1941, Serial No. 403,651
3 Claims. (Cl. 63—26)



1. A box structure gem mounting comprising a bezel provided with an inwardly extending flange, a member provided with a central opening, the upper face of said member sloping downwardly from said opening, said face provided with serrations radiating from the center of said opening to provide light deflecting surfaces and said member secured to said flange.

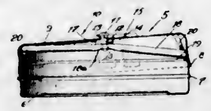
2,273,228
RETRACTABLE BORING TOOL
J. Hugo Smith, Detroit, Mich., assignor to Wesson Company, Detroit, Mich., a corporation of Michigan
Application December 28, 1939, Serial No. 311,264
12 Claims. (Cl. 77—58)

1. In a boring head of the retractable tool type, a tool member having one or more radial openings, a tool holder in each of said openings provided with a tool which projects beyond the tool member, a plunger mounted axially of said tool member, a link connecting said plunger and each of said tool members whereby axial shifting of said plunger will cause radial movement of said tool holders and an adjustable means arranged to limit the movement of said plunger in one direction whereby when said plunger is moved to its extreme position in said direction, the tools and said tool holders will be located



at a predetermined position relative to the center of said tool member and radial forces inwardly on said tools will tend to force said plunger against said adjustable means.

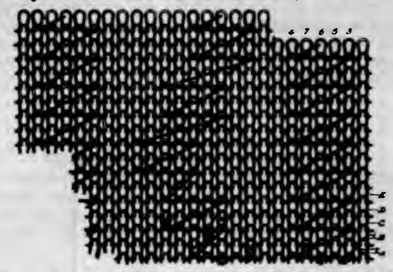
2,273,229
LID LIFTER
Lloyd L. Smith, Catasauqua, Pa.
Application November 20, 1939, Serial No. 305,360
2 Claims. (Cl. 220—43)



2. In a device of the character described, a container body having a bottom and a circumferential wall, a cover having a top and a circumferential wall shaped to fit slidably over the wall of the body, a bar disposed transversely within the cover extending over the inner edge of the body, a pair of tapered cam members projecting inwardly from the top wall of the cover in nearly diametrically opposed positions, the said cam members arranged adjacent to and approximately parallel with the circumferential wall of the cover, a stud rotatably and rockably connecting the bar with the central portion of the cover top, and a radially projecting arm attached to the stud for swinging the bar over the cam members and against the top edge of the body so as to force the cover from the body.

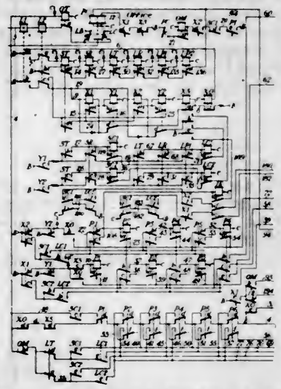
2,273,230
KNITTED FABRIC AND METHOD
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 25, 1939, Serial No. 275,710
16 Claims. (Cl. 66—201)

1. A method of knitting including wrapping an elastic yarn in non-adjacent wales of the same course of a weft knitted fabric and of a plurality of courses thereof so that the floats from wale to wale and course to course will contract and thereby distort the fabric whereby a raised or



embossed rib will be caused to appear at the face of the fabric.

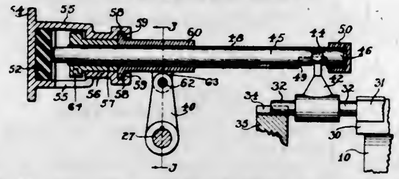
2,273,231
REMOTE CONTROL SYSTEM
Clarence S. Snavely, Wilkinsburg, and Alfred B. Miller, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 3, 1938, Serial No. 222,860
42 Claims. (Cl. 177—353)



1. In a remote control system, a plurality of stations connected by a line circuit, a code transmitter at each station effective when initiated to transmit an impulse code of timed impulses of a given polarity over said line circuit, lock-out means effective when a plurality of code transmitters are initiated simultaneously to cause the different codes to be transmitted one at a time in a predetermined order, a timing device at each station, means for selectively operating the timing devices in accordance with the lengths of said impulses, a series of stepping relays at each station, means controlled by each timing device for selectively operating selected stepping relays of the associated series, each in accordance with the relative length of a particular impulse of a code but only if such impulses are arranged in a particular code pattern, a plurality of movable devices at each station, means for causing the operation of additional stepping relays at a selected station only at which the selected stepping relays have been fully operated in response to additional impulses of a code, means controlled by the timing device at the selected station for selectively controlling the movable devices at such station one for each additional stepping relay operation, means for energizing said line circuit by current of the opposite po-

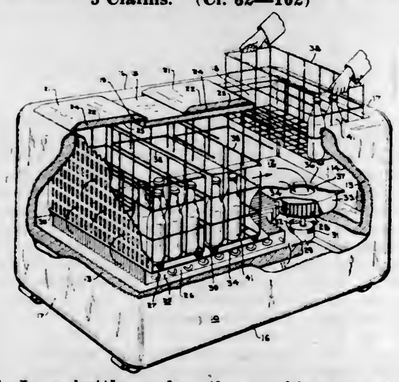
larity upon the completion of said code, and means dependent upon the energization of said line circuit at least briefly by current of said opposite polarity for initiating the operation of each code transmitter and for effecting the energization of the first stepping relay of each said series.

2,273,232
PRINTING ROLL DOCTOR BLADE RECIPROCATING MECHANISM
Stephen B. Stafford, Oxford, and Herman A. Smith, Holden, Mass., assignors to Rice Barton Corporation, a corporation of Massachusetts
Application September 13, 1939, Serial No. 294,595
11 Claims. (Cl. 74—104)



1. A connecting rod mechanism comprising an oscillating arm, a movable body having a pivot thereon, a pitman connecting said arm and body which has two relatively movable members providing bearing portions engageable with said pivot and clamping the same therebetween and means remote from the pivot for connecting said members thereto or releasing the pivot therefrom.

2,273,233
BOTTLE COOLER
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 24, 1938, Serial No. 226,425
5 Claims. (Cl. 62—102)

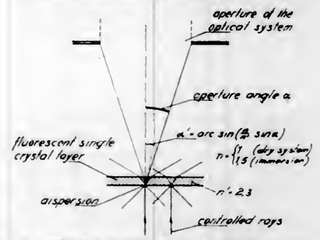


1. In a bottle cooler, the combination of an insulated chamber having two spaced apart openings in its top, closure members for said openings, a horizontal partition in said chamber, a cooling unit below said partition, a fan for circulating air over said cooling unit and around said partition, the direction of air flow above the partition being from one of said openings to the other, a plurality of foraminated baskets supported on said partition and readily movable thereon, said baskets being shaped for removal and insertion through said openings, said baskets further having a sectional area closely fitting the interior of said chamber above said partition at right angles to the flow of air above said partition, whereby the air circulated by said fan is forced through the foraminations of said baskets to rapidly cool the contents thereof.

2,273,234
METHOD OF AND SOLUTION FOR PRODUCING A COATED IRON ARTICLE
Robert R. Tanner, Highland Park, Mich., assignor, by mesne assignments, to Parker Rust-Proof Company
No Drawing. Application March 27, 1933, Serial No. 663,002
7 Claims. (Cl. 148—6.5)

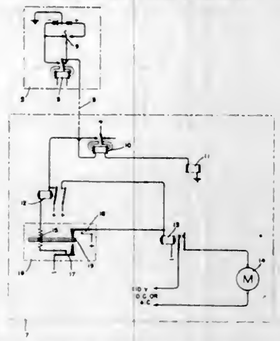
1. In the coating of iron and steel articles, the process which comprises exposing a surface of such an article to the action of an aqueous solution containing a substantial amount of ferric oxalate until a coating of substantial thickness forms.

2,273,235
ULTRAVIOLET OR ELECTRONIC MICROSCOPE
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application December 16, 1939, Serial No. 309,588
In Germany December 30, 1938
10 Claims. (Cl. 250—49.5)



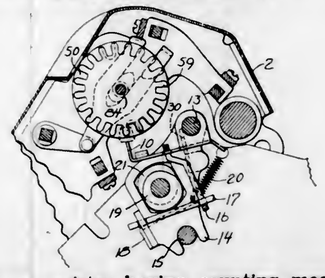
1. In a microscopic apparatus having a luminescent screen, means for producing a magnified image on said screen, and light-optical magnifying means for observing said image, said screen consisting substantially of a ground and polished single crystal of activated zinc sulfide.

2,273,236
PRINTING TELEGRAPH SYSTEM
James E. Wack, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 17, 1940, Serial No. 361,549
7 Claims. (Cl. 178—2)



1. In a telegraph system, a control station, a controlled station, a line conductor connecting said stations, a printing telegraph receiver at the controlled station, a telegraph transmitter at the control station, a motor for driving said receiver, a power control relay for controlling the application of a source of power to said motor, a relay operative under the control of signals impressed on said line for initiating the energization of said power control relay, and means also controlled by said second relay for controlling the operation of said second relay and for establishing a locking circuit for said power control relay after said transmitter is operated for a predetermined interval.

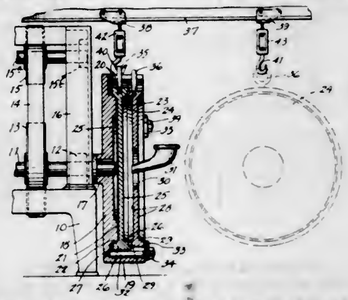
2,273,237
REGISTER
Edward C. Walter, Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 9, 1939, Serial No. 303,566
2 Claims. (Cl. 235—79)



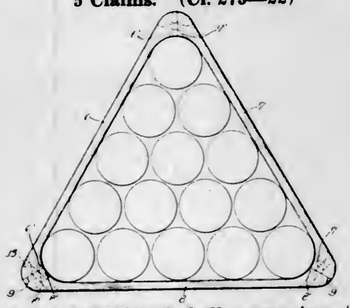
1. In a register having counting mechanism comprising a numeral wheel, a gear operatively connected therewith, a counting finger, a cyclically driven shaft, means for reversing the direction of rotation of said shaft, and a cam on said shaft operable to raise and lower said finger; two opposed radial action cams fast on said shaft, and means for moving said shaft axially to bring one or the other opposed cam into operative position, one of said opposed cams being operable to move the raised finger forwardly or alternatively rearwardly in accordance with the direction of rotation of the shaft and the other opposed cam being adapted to move the raised finger oppositely in either said direction of rotation, to advance said gear in one or in the other direction, respectively.

2,273,238
MOLDING MACHINE AND MOLD FOR CENTRIFUGAL CASTING OF ANNULAR BODIES
Nelson W. Webb, Montclair, N. J., assignor to Encor Corporation, Belleville, N. J., a corporation of New Jersey
Application August 2, 1940, Serial No. 349,926
2 Claims. (Cl. 22—65)

1. In a molding machine for the centrifugal casting of annular centrally apertured discus plates, a vertically disposed rotatable mold carrier rotatable about a horizontal axis, a two-part centrifugal casting mold comprising a pair of circular mold parts, each consisting of a circular diaphragmatic plate having complementary and identical faces at each of its sides and a circular rim surrounding said plate and projecting to an equal extent at each side thereof to constitute the peripheral wall of a circular mold recess at each side, the recesses of both of said mold parts being of the same diameter, and each of said mold parts being individually reversable to dispose the mold recess at either of its sides in either facing or non-facing relation to the other mold part, one of said mold parts having an opening for receiving molten metal, and means for removably securing said pair of mold parts to said carrier with the mold recesses at their facing sides constituting a circular mold cavity and the mold recesses at their other sides constituting spaces in which the diaphragmatic plates may bulge during the casting operation.



2,273,239
POCKET BILLIARD BALL TRIANGLE
Carl H. Welcker, Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 24, 1940, Serial No. 354,010
In Canada July 24, 1940
5 Claims. (Cl. 273—22)

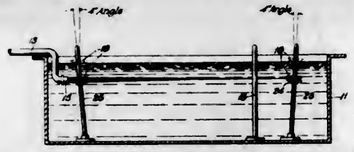


3. A pocket-billiard ball arranging triangle comprising three side members having integral end portions with angular end surfaces placed together to form joints therebetween and means for preventing separation of the members at each corner of the triangle comprising a pair of dowel pins positioned respectively in bores extending with their axes oppositely oblique to the plane of the joint and spaced apart in planes substantially parallel to the face of the triangle.

2,273,240
PRODUCTION OF YARN
Edward F. Wesp, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 24, 1939, Serial No. 300,947
9 Claims. (Cl. 18—8)

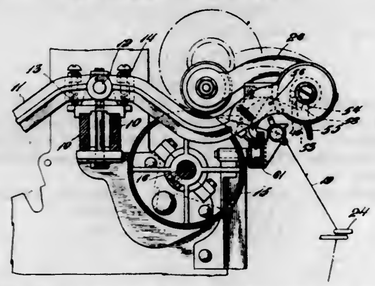
4. In an apparatus for the tension spinning of yarn in a liquid bath, a plurality of upwardly extending axles in said bath, a plurality of yarn-driven tensioning rollers mounted on said up-

wardly extending axles in said bath, said rollers being freely movable axially of said axles, means for maintaining said rollers at the surface of the



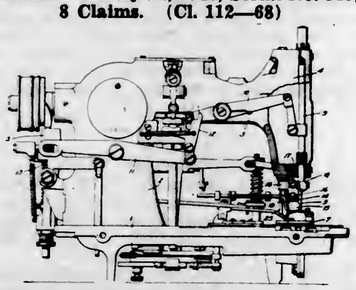
bath when the yarn has no contact therewith, said axles and rollers cooperating with each other to submerge the rollers below the bath surface upon driving the rollers by means of a yarn.

2,273,241
YARN HANDLING MACHINE
Albert E. Winslow, New London, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application February 11, 1941, Serial No. 378,406
9 Claims. (Cl. 242—37)



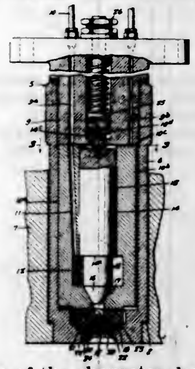
1. In a yarn packaging machine, a driving drum, a mandrel for rotatably mounting a yarn package to be driven by said drum, an arm having a hollow pivoted hub for supporting said mandrel, a spring-loaded rotatable member within said hollow hub and operatively connected thereto and responsive to the breaking of the yarn to swing said arm about its pivot away from the driving drum.

2,273,242
BUTTONHOLE CUTTING MECHANISM FOR SEWING MACHINES
Alfred B. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 24, 1940, Serial No. 315,305
8 Claims. (Cl. 112—68)



1. In a machine of the buttonhole type, an endwise reciprocatory knife-bar, a knife-carrier, a flat knife-blade mounted on said carrier, means to swingably suspend said knife-carrier from said knife-bar, means to confine the swinging movements of the knife-carrier to planes parallel to said knife-blade, and means to impart swinging movement to the knife-carrier in the downstroke of the knife-bar.

2,273,243
FUEL INJECTING DEVICE
Augustus V. Zanetti, Clifton, N. J.
Application December 5, 1938, Serial No. 244,092
1 Claim. (Cl. 299—107.6)

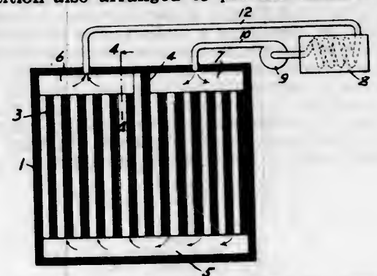


In a nozzle of the character described, a sleeve reduced at its outer end portion to form a circular centrally disposed discharge orifice therein, the said reduced portion being shaped to form an inner frusto-conical section providing a seat having an increasing taper inward from the orifice and an outer frusto-conical wall flaring outwardly from the orifice, a nozzle member mounted within the sleeve having a frusto-conical tip portion at one end seated on the seat portion of the sleeve, the outer end of the tip having a depression therein shaped to form a flaring circumferential wall co-extensive with the exterior flaring portion of the sleeve, the said nozzle member having an axial feed bore terminating inwardly of the tip and communicating through a plurality of oblique ducts with a circumferential groove in the frusto-conical portion of the tip, the latter groove forming an annular chamber in conjunction with the seat and communicating with a plurality of spiral shaped ducts formed through the medium of grooves in the tip, and discharging through the orifice through the flaring circumferential wall at the outer end of the tip.

2,273,244
STORAGE BATTERY CELL
Cornelius Ambruster, Roslyn, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application April 3, 1940, Serial No. 327,557
6 Claims. (Cl. 136—166)

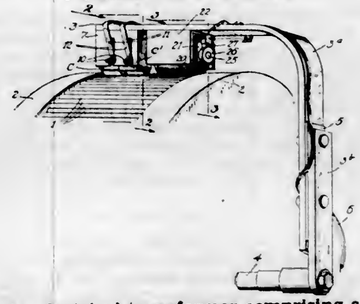
3. In a generally rectangular storage battery container having walls of rubber material, a reinforcing structure for strengthening and providing internal circulation space in the side walls of said container comprising, a metal box structure embedded in and confined to a side wall of said container and divided by a partition comprising angularly disposed members attached to opposite sides of said box structure so as to impart strength and rigidity to said box

structure and therefore to said side wall, said partition also arranged to provide channels for



the circulation of fluid, and means for circulating said fluid thru said channels.

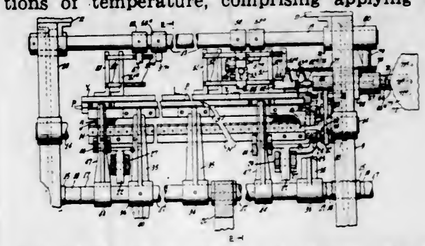
2,273,245
ELECTRICAL TRANSFORMER
Dale Ander, Bronx, N. Y.
Application February 10, 1940, Serial No. 318,267
3 Claims. (Cl. 171—119)



1. An electrical transformer comprising an annular winding of substantially circular wire having turns with a portion of each turn uncovered for cooperation with movable contacts, a movable arm pivoted coaxially of the annular winding to travel circumferentially thereof, a pair of spring pressed contacts carried by the arm and impelled into engagement with the uncovered portion of said winding, each of said contacts comprising conductive and dielectric strips positioned back to back and rigidly secured to one another with their winding-engaging ends collectively wedge shaped to fit between successive turns of the winding with the conductive strip in electrical engagement with one turn and the associated dielectric strip in dielectric engagement with the next adjacent turn of the winding, the several contacts being so positioned on said arm that the apices of their wedge shaped ends are spaced apart in a direction circumferentially of the winding a distance less than the distance between centers of the consecutive turns of the winding, and with the conductive strips of the several contacts arranged in directions facing a common interposed turn of the winding to simultaneously engage with the opposite sides thereof.

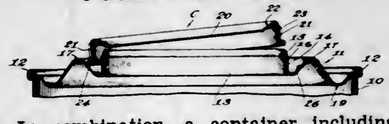
2,273,246
STRAIGHT-TYPE WARP-KNITTING MACHINE
Victor Anderson, Cliffside Park, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application January 9, 1941, Serial No. 373,717
20 Claims. (Cl. 66—87)

1. In a warp-knitting machine having the carrier bar carrying a bank of yarn guides and receiving knitting motions including longitudinal motions, and the needle bar carrying a bank of needles and receiving only transverse knitting motions; the method of maintaining accurate register between the two bars throughout variations of temperature, comprising applying the



longitudinal actuation to the carrier bar at a given longitudinal point thereof to establish a base of longitudinal thermal expansion thereof, and causing the needle bar to be held against longitudinal thermal movement at a point in its length corresponding to said given longitudinal point of the carrier bar.

2,273,247
METAL CONTAINER AND CLOSURE THEREFOR
Herbert A. Barnby and Samuel C. Robison, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application February 8, 1939, Serial No. 255,246
3 Claims. (Cl. 220—42)

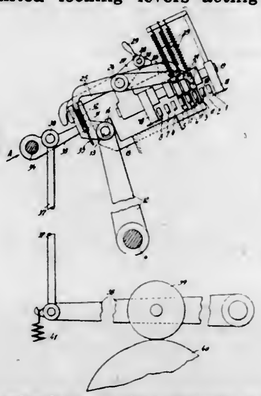


1. In combination, a container including a cylindrical body, a bottom therefor, a top having an upstanding annular wall defining a central filling and discharging opening of considerably less diameter than said body, said wall having its upper margin inwardly and upwardly tapered to facilitate positioning of a skirted closure thereover, a continuous pry-off rib intermediate the body and said wall and merging into the lower end of the latter, a sheet metal closure including a circular top portion and a depending attaching skirt, the internal diameter of said skirt normally being somewhat less than the maximum external diameter of said wall, an external reinforcing bead at the lower edge of said skirts, and an external hollow rib formed in and transverse to the length of the skirt whereby the latter is capable of expansion to the maximum external diameter of said wall when subjected to top pressure during application of the closure.

2,273,248
LOCKING THREAD CARRIER BAR
Franz Cecka, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application November 29, 1940, Serial No. 367,837
In Germany December 5, 1939
8 Claims. (Cl. 66—127)

1. A flat knitting machine, comprising thread carrier bars, stops limiting the movement of said thread carrier bars, means for automatically locking all said thread carrier bars as soon as they reach their corresponding stops, means for releasing those of said thread carrier bars which continue to operate on movement in opposite di-

rection, a change device for said thread carrier bars, including a pattern controlled shaft, pivotally mounted locking levers acting upon said



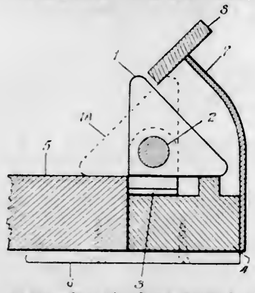
thread carrier bars, springs pressing said locking levers to locking position, and a cam controlled mechanism for releasing said locking levers.

2,273,249

GAUGE FOR STOCK SAWS AND OTHER CUTTING MACHINES

George H. Cervenka, Berwyn, Ill.

Application January 29, 1940, Serial No. 316,194
3 Claims. (Cl. 143—168)



1. In a gauge for stocksaws and other cutting machinery, a combination of measuring gauge and guide fence or abutment, consisting of any number of uniform flat units of necessary shape, size and thickness, set on edge next to one another and pierced by a shaft outside their center of gravity, so that said units may be individually tilted forward and back and remain in their respective positions of their own weight; some of said units being milled out to accommodate a number of brackets disposed to hold said shaft in place, said brackets being fastened to a saw table or frame thereof; the combination of the units, tilted back, shaft and brackets forming a work guide or abutment and the individual units when tilted forward, furnishing measurements in step with unit thickness, within the range of the gauge.

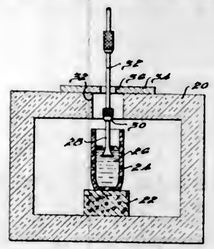
2,273,250

METHOD OF MAKING VALVE PARTS OR THE LIKE

George Charlton, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 24, 1938, Serial No. 197,798
2 Claims. (Cl. 91—70.2)

1. In the manufacture of a ferrous article subjected to the effects of a corrosive element in service, the steps of forming a main body portion of a steel having a melting point in excess of 2500° F., providing a molten bath of a metallic alloy having properties of a greater resistance to the corrosive effects of said element than the material of said main body portion, bringing the temperature of said molten bath to and maintaining the temperature of said molten bath at a value of between 150° to 250° F. less than the melting point of the material of said main body



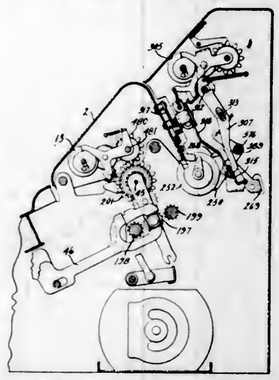
portion, immersing at least a portion of said main body portion in said molten bath and maintaining it in said immersed condition until the immersed portion thereof attains a temperature approximating the temperature of said bath whereby to effect a bonding of said molten material to said immersed portion, and then removing said main body portion and a coating of said material thereon from said bath while said bath is still in molten condition and allowing it to cool.

2,273,251

CALCULATING MACHINE

George C. Chase, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application July 27, 1940, Serial No. 347,920
11 Claims. (Cl. 235—63)



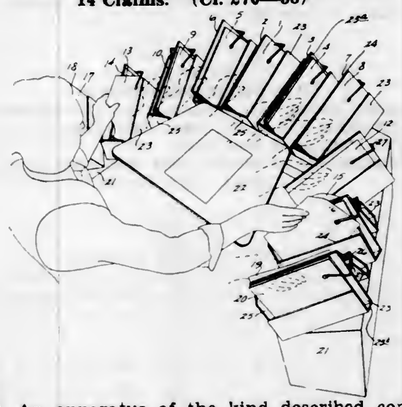
1. In a calculating machine having cyclic differential actuators and a relatively denominationally shiftable register; transmission gearing between said actuators and register including spaced pairs of relatively shiftable elements, one element of each pair being elongated, means for cycling the actuators, means operable concurrently with said cycling means for shifting the relatively shiftable parts, and means for interrupting operation of the shift means with said transmission elements in extreme contacting position.

2,273,252

MEANS FOR SORTING SHEETS IN NUMERICAL ORDER

Alfred B. Cummins, Minneapolis, Minn.

Application February 6, 1941, Serial No. 377,763
14 Claims. (Cl. 270—58)



1. An apparatus of the kind described comprising a multiplicity of sheet holders assembled in serial relation, each holder having two pockets with back-forming walls that diverge downwardly at an acute angle with their upper edges in such close relation that two sheets may be readily withdrawn by a single hand movement.

2,273,253

BEET SUGAR MANUFACTURE

Robert M. Daniels, Colorado Springs, Colo., assignor to Holly Sugar Corporation, Colorado Springs, Colo., a corporation of New York

No Drawing. Application July 31, 1940, Serial No. 348,740
5 Claims. (Cl. 127—50)

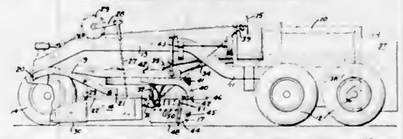
2. The process of treating sugar beet juice comprising calcining lime-cake in a direct-fired furnace to produce calcium oxide together with gases containing carbon dioxide in concentration less than 30%, slaking said calcium oxide to produce a compound suitable for defecating said beet juice, introducing said compound into said beet juice, and carbonating said beet juice by introducing said gases into said beet juice.

2,273,254

FURNACE FOR ROAD PLANING MACHINES

Oscar O. Davis, Oakland, Calif., assignor of one-half to J. C. Compton, McMinnville, Oreg.

Application August 19, 1939, Serial No. 291,066
1 Claim. (Cl. 126—271.2)



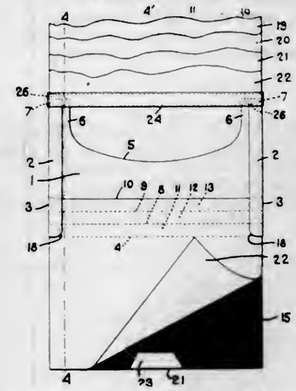
In a machine of the character described, a frame, a furnace for heating a road surface comprising a housing with an open bottom positioned adjacent the surface of the road, arms rigidly secured to the housing and extending forwardly thereof and pivoted relative to the frame at a point forward of the housing, means for adjusting the rigid connection between the arms and the housing to vary the normal angle between the road surface and the housing, and means for raising and lowering the furnace about said pivotal support.

2,273,255

MANIFOLDING MECHANISM FOR TYPEWRITERS

James W. Fader, Dorchester, Mass.

Application March 11, 1941, Serial No. 382,709
7 Claims. (Cl. 282—1)



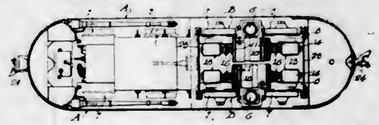
4. A carrier for a plurality of superposed manifold transfer sheets comprising a thin sheet of tough flexible material having a straight front edge and provided with a series of slits parallel to and suitably spaced from said front edge and from one another and of a length slightly greater than the width of the forms to be manifolded and terminating short of the side edges of the carrier sheet and providing strips therebetween to which the rear edge portions of the respective transfer sheets may be attached, and having narrow marginal side portions having rounded corners and so folded over the ends of the slits that the folds provide guides for the side edges of superposed form sheets to be manifolded when said form sheets are inserted in interleaved relation to said transfer sheets, the rear central portion of the carrier sheet being cut away to provide connectors adapted to be secured to a follower and means adhesively connecting the folded-over marginal side portions of said sheet intermediate of the uppermost slit and the end of the connector acting to reenforce and stiffen the connector, the rear ends of the connectors being provided with superposed folds adapted to enter recesses in the end portions of a follower and guide for the superposed form sheets.

2,273,256

ELECTRICALLY POWERED LOCOMOTIVE DRIVE

Henry Fort Flowers, Findlay, Ohio

Application October 17, 1939, Serial No. 299,867
11 Claims. (Cl. 105—179)



1. A traction vehicle including a main frame, a plurality of independent rigid truck unit frames, each of said truck unit frames being pro-

vided with a pair of wheels disposed in tandem relation, means for independently mounting said truck unit frames side by side on said main frame for pivotal movement about a vertical axis, for rockable movement fore and aft and laterally, and for movement up and down, a motor rigidly secured to each of said truck unit frames with its drive shaft projecting from the motor at both ends and disposed parallel to the plane of rotation of the wheels on the associated truck unit, and an individual intermeshing gearing set rigidly mounted on said rigid truck unit frame connecting each end of the respective drive shaft with one wheel of the associated truck unit to thereby positively drive said wheels.

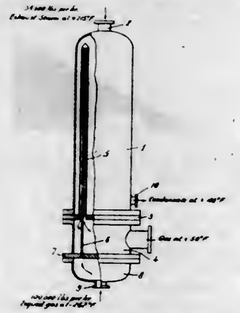
2,273,257

EVAPORATION OF LIQUEFIED GASES

Karl Albert Gardner, Freeport, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware

Application July 15, 1940, Serial No. 345,500

2 Claims. (Cl. 62—1)



1. The method of vaporizing liquefied gases having a boiling point at atmospheric temperature below 0° C. which consists in supplying said liquid to a heat exchanger, supplying steam to said heat exchanger, and maintaining an intermediate heat transferring layer of the vaporized liquid between the surface of the cold liquid passage and the surface exposed to the steam.

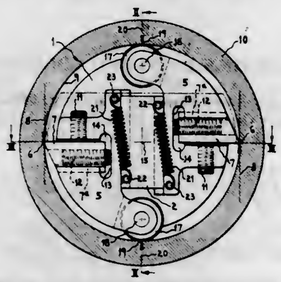
2,273,258

BORING TOOL HOLDER

Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application May 9, 1941, Serial No. 392,745

9 Claims. (Cl. 77—58)



1. In a boring tool holder arrangement, a pair of cutting tools having their cutting edges adapted to engage the bore of a work piece at diametrically opposite positions, means providing tangential floating movement of the cutting edges of said cutting tools relative to the bore of the work piece, and means engaging the bore of said work piece for limiting said tangential floating movement.

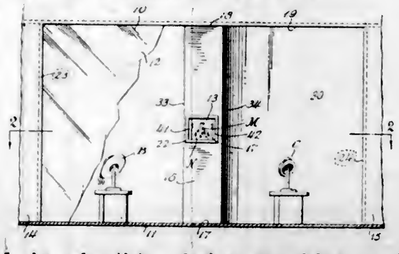
2,273,259

ADVERTISING DEVICE

James Gosling, Jr., Paterson, N. J., assignor to Franklin Simon Co. Inc., New York, N. Y., a corporation of New York

Application October 30, 1940, Serial No. 363,537

3 Claims. (Cl. 272—8)



1. An advertising device comprising: a stage adapted to have merchandise displayed thereon; a lens adapted to cast an image of said display, said lens having a certain field of view; curved framing panels disposed forwardly of said merchandise and rearwardly of said lens; said curved framing panels having convex portions extending rearwardly into the said field of view of said lens, whereby the said convex portions of the framing panels are visible from in front of said lens and form a border to the view of the merchandise as seen through the lens from in front thereof.

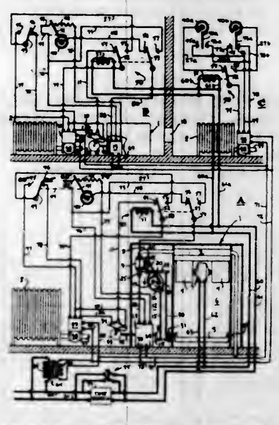
2,273,260

HEATING AND CONTROL SYSTEM

George D. Guler, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 29, 1938, Serial No. 216,509

9 Claims. (Cl. 236—46)



1. In a system of the class described, a plurality of devices to be controlled, a relay controlling each of said devices, said devices being controlled in one manner when said relays are energized and being controlled in a different manner when said relays are deenergized, a master switch for causing the simultaneous energization and deenergization of all of said relays at certain predetermined times, means for manually placing any of said relays in energized position and holding it in said position while said relays are deenergized, and means for removing the relays from the influence of said last named means in response to energization of said relays by said master switch so that upon subsequent deenergization of said relays by said master switch, said relays which have been previously manually moved to energized positions will return to deenergized positions.

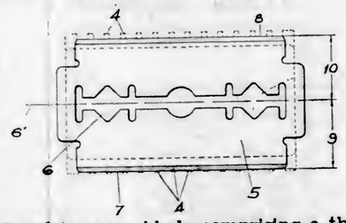
2,273,261

SAFETY RAZOR BLADE

Abraham L. Gump, San Francisco, Calif.

Application November 29, 1940, Serial No. 367,781

3 Claims. (Cl. 30—346)



1. A safety razor blade comprising a thin flat metal member having substantially parallel cutting edges at its opposite sides, and an opening between its shaving edges for receiving projecting means on the razor for normally preventing the displacement of the blade with respect to the guards of the razor, the said opening being positioned nearer to one of the shaving edges than to the other.

2,273,262

STABILIZED VINYLIDENE CHLORIDE COMPOSITIONS

Alden W. Hanson and William C. Goggin, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 19, 1940, Serial No. 357,420

9 Claims. (Cl. 260—80)

1. A composition of matter comprising a polymeric vinylidene chloride product and an ester of aconitic acid at least in stabilizing quantities.

2,273,263

SWEETENING PETROLEUM OILS

John Happel, Jr., Brooklyn, and Donald Warren Robertson, Queens Village, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 13, 1939, Serial No. 304,205

4 Claims. (Cl. 196—30)

1. The method of rendering oil fractions containing sour sulphur compounds sweet to the doctor test which comprises contacting the oil to be treated with an oil soluble lead naphthenate and with added reagent sulphur in the absence of water, and at normal atmospheric temperature, and removing from the oil the lead sulfide formed by the reaction.

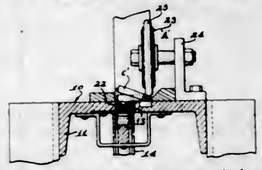
2,273,264

APPARATUS FOR OPENING METAL CONTAINERS

Louis Hermani, Baltimore, Md., assignor to Owens-Illinois Can Company, a corporation of Delaware

Application April 17, 1940, Serial No. 330,167

6 Claims. (Cl. 226—129)



1. Apparatus for opening containers each of which includes a body and a closure hinged together at a point adjacent to but spaced inwardly from one edge thereof, said apparatus comprising an upwardly facing horizontal channel, means for conveying the containers in a normal position and in succession along said channel, a magnet in the channel for positively holding the containers against tilting movement at a preselected station, a device at said station for applying top pressure to the closures at one side of the hinge to thereby swing said closure upwardly about the hinge and means in proximity to said station for engaging the closure and completing opening thereof.

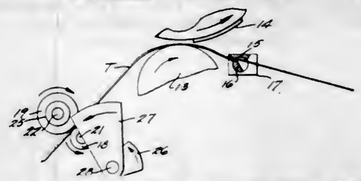
2,273,265

TAPE FEEDING AND RETRACTING DEVICE

Frederick W. Heyel, East Port Chester, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application April 27, 1940, Serial No. 331,921

6 Claims. (Cl. 271—2.4)



1. In a tape feeding and retracting device, a tape feed roller, a tape retracting roller, each roller being maintained in frictional engagement with the tape at opposite surfaces thereof, and means to alternately rotate said rollers to thereby provide a drive for one roller then the other while the opposing roller acts as a pressure roller.

2,273,266

BOTTLE CARRIER

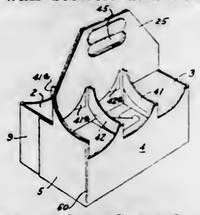
Ross A. Himes, Oakland, Calif., assignor to Nolox Company of America, Emeryville, Calif., a copartnership consisting of Ross A. Himes and Addison N. Himes

Application March 28, 1941, Serial No. 385,668

10 Claims. (Cl. 229—52)

1. A bottle carrier blank cut and creased to form pairs of foldably connected side and end wall sections disposed in end-to-end series, a handle section forming an extension of each side wall section, the center of each handle section being offset with relation to the center of each side wall section, a pair of foldable connectors permanently connecting one handle section to two end wall sections, the other handle section

having one connector permanently connecting it to one end wall section and having the other



connector free, and a glue tab on one of the end wall sections to receive and secure the free connector.

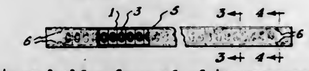
2,273,267

TYPE MOUNTING STRUCTURE

George Houk, Dayton, Ohio, assignor to Dayton Tool and Engineering Company, a corporation of Delaware

Application June 11, 1940, Serial No. 339,923

7 Claims. (Cl. 276—37)



1. A type holder formed of transparent material having a flanged channel shape designed to snugly receive the heads alone of dovetailed footed type, for the purpose described.

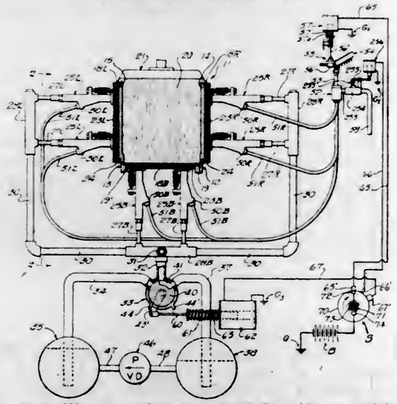
2,273,268

METHOD AND APPARATUS FOR DRIVING NAILS

Joseph L. Hunter and Glenn M. Criger, Riverside, Calif.; said Criger assignor to said Hunter

Substituted for abandoned application Serial No. 132,802, March 24, 1937. This application April 21, 1941, Serial No. 389,626

24 Claims. (Cl. 1—10)



1. A nailing machine embodying the combination of: nail driving means including a nail receiving chamber having an outlet positioned adjacent work to be nailed and a plunger movable through said chamber to drive a nail through said outlet; a nail delivery conduit communicating with said chamber; means for feeding nails one at a time into said conduit; pneumatic means for driving nails through said conduit into said chamber and into partial penetration with said work; and means for actuating said plunger to complete the penetration of said nail into said work.

2,273,269

PREPARATION OF ORGANIC ESTERS

Robert Johnson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 11, 1939, Serial No. 250,334

17 Claims. (Cl. 260—484)

1. In a process for the preparation of oxygenated organic compounds the step which comprises reacting a methylene glycol di-ether with carbon monoxide.

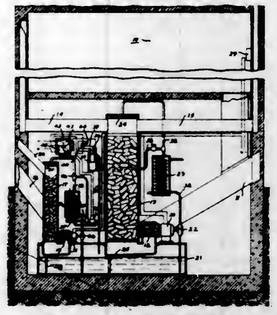
2,273,270

CONCENTRATION APPARATUS

Gilbert A. Kelley, Toledo, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Original application July 20, 1932, Serial No. 623,531. Divided and this application April 2, 1937, Serial No. 134,564. Renewed December 6, 1939

3 Claims. (Cl. 159—44)



3. Liquid concentrating apparatus comprising a sump containing a main body of liquid to be concentrated, a closed heater, a gas and liquid contact tower, a liquid pump, and connections for circulating liquid from said main body through said pump, heater and contact tower and back to said main body, means responsive to the temperature of liquid in said heater controlling the addition of heat by said heater, a control cup, means for circulating a quantity of liquid from said main body through said control cup and back to said main body, and means for controlling the concentrating operation in accordance with conditions of liquid in said control cup.

2,273,271

APPARATUS FOR REMOVING SOLIDS FROM FLUIDS

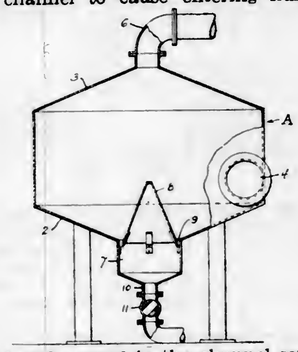
Frank W. Kerns, Berkeley, Calif.

Application December 28, 1940, Serial No. 372,037

5 Claims. (Cl. 209—211)

1. An apparatus for separating solid matter from a flowing stream of fluid, comprising a vertically disposed elongated cylindrical tank which forms an outer wall, a bottom in the tank, said bottom having a central opening formed therein, a member circular in cross section spaced from said opening and extending upwardly into the tank and forming an inner wall, said member being concentric with the bottom opening in the tank and forming, with the tank, an annular flow channel, said circular member having a diameter substantially one third that of the outer wall, to prevent the formation of a vortex and to maintain a substantially uniform velocity of

fluid flowing through the annular channel throughout the width of the channel, a closed chamber below the bottom of the tank but in communication with the annular channel through the central opening in the bottom of the tank, a discharge at the top of the tank, a tangentially disposed inlet in the tank, said inlet being in communication with the lower portion of the annular channel to cause entering fluid to flow



around and around in the channel several revolutions before discharging from the upper end of the channel, said fluid flow being maintained at a velocity to permit centripetal action and gravitational settling of solid matter towards the bottom of the channel, and to direct the solid matter towards the opening in the bottom and to settle through said opening into the lower chamber, and means for removing the solids from the lower chamber.

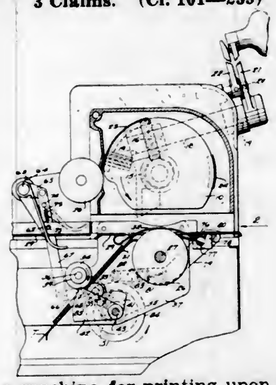
2,273,272

TAPE AND LETTER PRINTING DEVICE

Berthold Knauer, East Norwalk, and Edwin H. Owen, Old Greenwich, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application June 6, 1940, Serial No. 339,048

3 Claims. (Cl. 101—235)



1. In a machine for printing upon letters and tape which are advanced in the same general direction through the same printing point, the combination with a rotary printing member, horizontally disposed guide means for directing letters in a continuous path past the printing member, and merging tape guide means; of a drive to rotate said printing member, whereby feeding of letters or tape is effected while printing, tape devices operable by said drive to move tape to a printing position upon initiating a printing cycle of operation, means engageable and movable by a letter when passed along the letter guide means to a printing position, and means controlled by said movable means for rendering the tape feeding device ineffective.

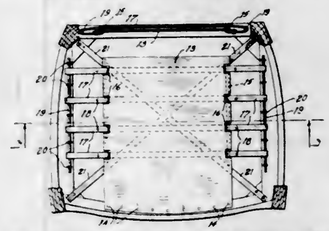
2,273,273

RESILIENT SEAT SUPPORT

Samuel Kris, Denver, Colo.

Application February 18, 1941, Serial No. 379,420

5 Claims. (Cl. 155—179)



5. A furniture cushion supporting structure comprising: a rigid frame; a rod extending along each side of said frame and secured thereto; a flexible sheet of material within said frame; a plurality of flexible straps extending outwardly from each side of said sheet around said rods, thence across the bottom of said sheet; diagonal, flexible straps extending from the corner of said frame across each other beneath the bottom of said sheet; and wires hemmed into the side edges of said sheet to which said straps attach.

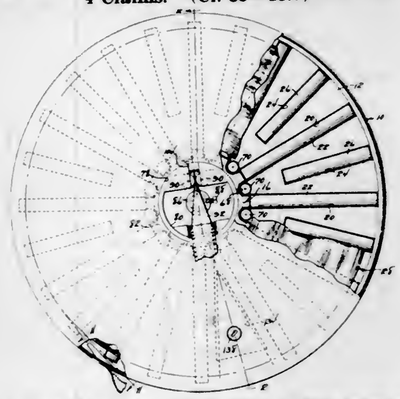
2,273,274

FILM MAGAZINE

George D. Krouse, Winter Park, Fla.

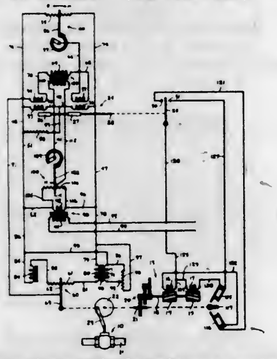
Application December 19, 1938, Serial No. 246,728

4 Claims. (Cl. 88—18.7)



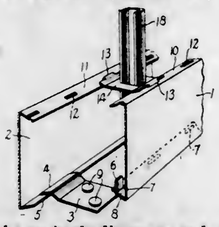
1. In a film magazine having a film inlet and a film outlet and a core for supporting convoluted film, rollers radiating from the core upon both sides of the magazine and spaced to receive the convoluted film therebetween, short rollers arranged between the outer ends of the first mentioned rollers, and yielding faces on said first mentioned rollers engageable with the edges of the convoluted film with sufficient pressure to cause film indentation of the faces and bulging thereof between the convolutions of the film to hold the latter in slightly spaced relation.

2,273,275
MOTOR CONTROL SYSTEM
Robert J. Kutzler and Le Roy A. Griffith, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 20, 1939, Serial No. 305,406
23 Claims. (Cl. 172—239)



23. In a motor control system, a motor, a control circuit for said motor comprising a variable controlling impedance, a substantially constant impedance permanently connected in said circuit, means external to said circuit for continuously inducing a potential in said constant impedance to determine the ultimate controlling effect of said variable impedance, and means for varying said potential.

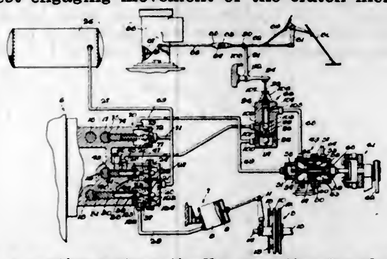
2,273,276
WALL CONSTRUCTION
Frank La Grotta, New York, N. Y., assignor to Conver Steel & Wire Co. Incorporated, a corporation of New York
Application May 11, 1940, Serial No. 334,478
6 Claims. (Cl. 72—46)



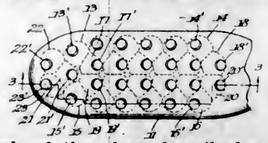
1. A wall base including spaced runners, one of said runners having apertures adjacent its lower edge, clips permanently secured to the other of said runners adjacent its lower edge and having tongues on the ends thereof engaged in said apertures, and means securing the upper edges of the runners together.

2,273,277
CLUTCH CONTROL MECHANISM
Arthur R. Leukhardt, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application July 12, 1938, Serial No. 218,843
9 Claims. (Cl. 192—3.5)

8. In combination with an automotive vehicle engine, a gear-changing mechanism, and a clutch, of a fluid pressure-operated motor for controlling the disengaging and engaging movement of said clutch, means controlled by the operation of said mechanism for energizing said motor to disengage the clutch, and means for controlling the deenergization of the motor to effect engaging movement of the clutch including a portion automatically operative for checking the movement of the clutch as the latter reaches substantially the point of initial engagement, and for thereafter controlling the movement of the clutch into and out of operative engagement in accordance with the speed of the engine.

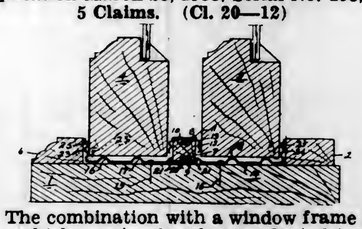


2,273,278
BRUSH
Chessborough J. H. Mackenzie-Kennedy, New York, N. Y.; Betty Mackenzie-Kennedy, New York, N. Y., administratrix of said Chessborough J. H. Mackenzie-Kennedy, deceased
Application February 8, 1939, Serial No. 255,323
5 Claims. (Cl. 15—167)



1. A brush of the class described comprising a head portion and bristle tufts mounted in said head portion, said tufts being arranged in outer rows and inner rows extending longitudinally of the head portion, the mounting of the tufts being such that the tufts of the inner rows are inclined in one direction longitudinally of the head portion and the tufts of the outer rows are oppositely inclined.

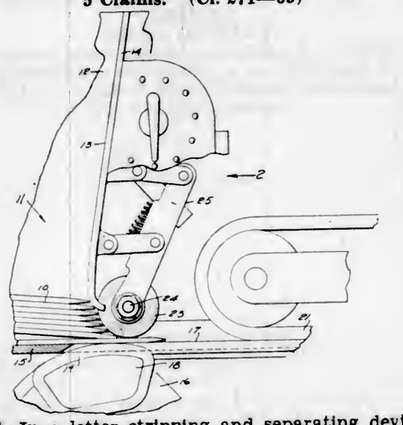
2,273,279
WINDOW SASH ASSEMBLY AND WEATHER STRIP THEREFOR
Louis A. Macklanburg, Oklahoma City, Okla.
Application March 28, 1938, Serial No. 198,470
5 Claims. (Cl. 20—12)



1. The combination with a window frame plate along which a pair of sash are adapted to slide, of a metal sealing strip attached to the plate and extending therealong between the plate and the sash, a parting stop between the sash provided with a longitudinally extending groove, and a projection carried by the sealing strip for com-

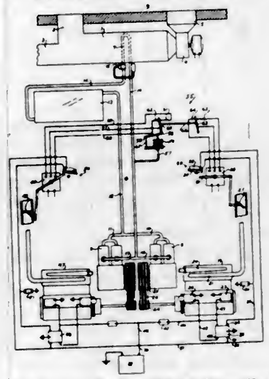
plemental interlocking engagement within said groove to anchor the parting stop to the plate in a removable manner.

2,273,280
LETTER STRIPPING DEVICE
Bernard J. Mayer, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application April 2, 1941, Serial No. 386,471
5 Claims. (Cl. 271—35)



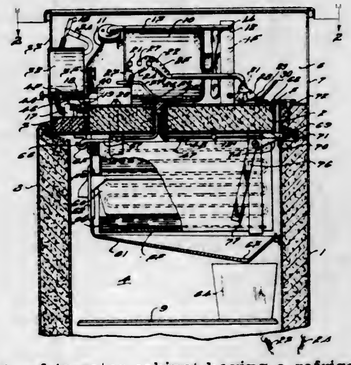
1. In a letter stripping and separating device adapted to strip the end letter from a stack of superimposed letters, the combination with a frictional letter stripping member engageable with one surface of a letter positioned adjacent thereto when stripping same; of a letter separating device positioned in the path of the letters immediately adjacent said first named letter including means having an abrasive surface engageable with the other surface of the first named letter during stripping, said abrasive providing a frictional but non-wearable surface, whereby continuous letter stripping operations may result without periodic adjustment of the separating device.

2,273,281
CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 11, 1938. Serial No. 218,577
17 Claims. (Cl. 62—4)



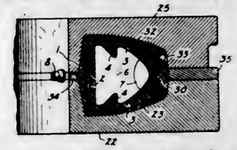
1. In a system of the class described, in combination, a first prime mover, a second prime mover, load condition responsive means, a first controller for graduatingly varying the speed of said first prime mover, a second controller for starting and graduatingly varying the speed of said second prime mover, said first and second controllers being sequentially and partially overlappingly actuated by said condition responsive means in a manner to increase progressively the speed of one of said prime movers, and then to start and increase progressively the speed of said other prime mover upon increase in load.

2,273,282
REFRIGERATOR
Glenn Muffly, Springfield, Ohio
Original application May 26, 1930, Serial No. 455,741. Divided and this application October 7, 1938, Serial No. 233,820
30 Claims. (Cl. 62—116)



1. A refrigerator cabinet having a refrigerated spaced, a refrigerating system including a pivotally mounted insulating support in said cabinet having heat absorbing means on one side and heat dissipating means on the other side, and means normally holding the system in a horizontal operative position with said heat absorbing means located in said refrigerated space and said heat dissipating means outside of said refrigerated space.

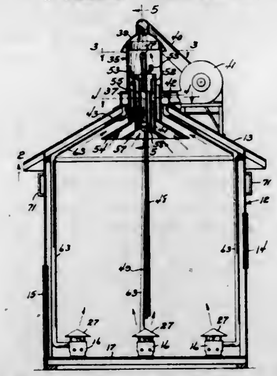
2,273,283
METHOD OF MAKING VEHICLE TIRES
Paul O. Pfeiffer, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 29, 1940, Serial No. 354,640
4 Claims. (Cl. 154—12)



1. The herein described method of making a hollow rubber tire which comprises assembling a series of arcuate metal core sections to form an annular core, the core sections having relatively thick cavity forming inner portions which abut end to end and exterior centrally disposed webs, covering the cavity forming portion of the core with uncured rubber, molding and partially vulcanizing the rubber to form a tire body on said core, removing the core sections through the tread portion of the tire body, applying a continuous band of uncured tread rubber to the

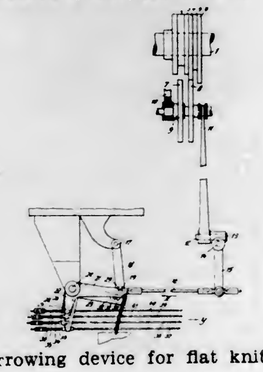
tread portion of the tire body, and vulcanizing said tire body and tread band under heat and pressure.

2,273,284
TOBACCO CURING APPARATUS
Garnett G. Plott and Perry A. Weeks, Whitakers, N. C.
Application March 30, 1939, Serial No. 265,050
5 Claims. (Cl. 263—43)



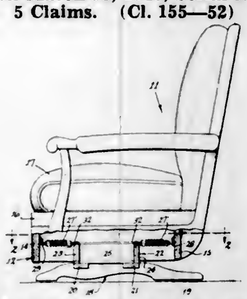
1. In a tobacco curing barn including an enclosure provided with vertically disposed side and end walls and a roof, the combination of a plurality of heaters supported in spaced relation on the floor of said barn, means in the floor for supplying fresh air to said burners, means for ventilating a portion of the products of combustion from the barn, each of said heaters comprising a jacket having burners mounted therein, a U-shaped section of pipe disposed above said burners adapted to convey air to be heated thereby, means for discharging heated air from said U-shaped section of pipe adjacent said burners, means comprising coaxially arranged conduits in the roof of said barn for directing the discharge of upwardly flowing air from said heaters, and means associated with said directing means for returning said discharged air to said U-shaped section of pipe.

2,273,285
NARROWING DEVICE FOR FLAT KNITTING MACHINES
Georg Richter, Chemnitz, Germany
Application May 31, 1941, Serial No. 396,135
In Germany May 30, 1940
4 Claims. (Cl. 66—89)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



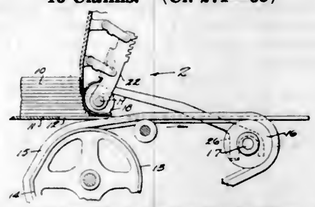
1. A narrowing device for flat knitting machines of the cotton type provided with a jacquard attachment, comprising narrowing cams, narrowing rollers scanning said cams, one of said rollers being rigidly fixed upon a bolt of a lever and the other of said rollers being displaceably arranged upon said bolt of said lever, and a locking device for automatically locking against lateral movement said displaceable narrowing roller in any selected position.

2,273,286
FLOATING CHAIR
Edward L. Roberti, Long Beach, Calif., assignor to Roberti Bros., a corporation of California
Application March 15, 1940, Serial No. 324,105
5 Claims. (Cl. 155—52)



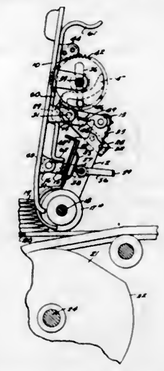
1. In a floating chair, a chair seat having a seat frame including depending side and front and rear rails; a chair base having leg members and having a fixed base frame including upright side and front and rear rails spaced inwardly from and parallel to the rails of said seat frame; and a plurality of horizontally disposed coil springs mounted on and extending between the rails of said base frame and the rails of said seat frame.

2,273,287
SEPARATOR ROLLER CONTROL
Francis J. Rouan and Alva G. Russell, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application January 28, 1941, Serial No. 376,284
13 Claims. (Cl. 271—35)



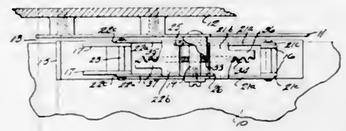
1. In a letter feeding device having yieldable separator rollers normally obstructing the feed of all but one letter of a stack of superimposed letters, and having feed means engageable with the lowermost letter to advance same past the separator rollers; means including a spring clutch associated with the separator rollers to prevent rotation of the separator rollers by the frictional engagement of the letters therewith, and driven means including a second spring clutch associated with the separator rollers to rotatively adjust the rollers a predetermined distance periodically in a direction opposed to the letter feed and thereby distribute wear resulting from the wiping of each letter over the said separator rollers.

2,273,288
ADJUSTABLE SEPARATOR
Francis J. Rouan, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application February 5, 1941, Serial No. 377,462
10 Claims. (Cl. 271—35)



1. In a yieldable letter feed separator unit arranged to obstruct the passage of all except the lowermost letter from a stack of letters, a support, a separator frame carried by said support and having friction means thereon engagable with the upper surface of the lowermost letter when said letter is stripped from the stack, spring means urging said friction means against the upper surface of the letter which is stripped, and means for mounting said spring means so that each end of the spring is movable with the frame.

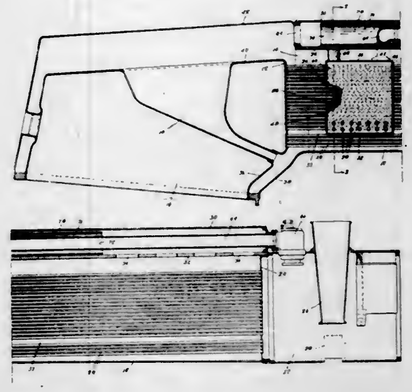
2,273,289
PRESSER DEVICE
Francis J. Rouan, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application February 8, 1941, Serial No. 378,019
6 Claims. (Cl. 271—59)



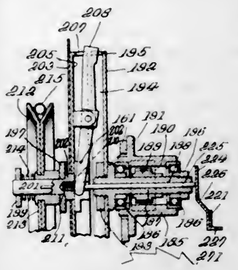
1. In a device of the character described, a shoe, arms having adjacent ends connected with said shoe and being crossed intermediate the ends thereof, a pivotal mounting for said arms at the point of intersection, stop means engageable by the opposite ends of said arms, and means to urge the latter ends against said stop means.

2,273,290
BOILER AND SUPERHEATER
Eugene L. Schellens, Ridgewood, N. J., and Christopher A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Englewood, N. J., a corporation of Delaware
Application March 17, 1939, Serial No. 262,440
6 Claims. (Cl. 122—463)

2. In a locomotive boiler, a boiler shell, fire tubes in said shell, a superheater shell within said boiler shell surrounding a part of the length of said fire tubes, means providing steam passages between said boiler shell and superheater shell to the tube collection communicating with the lower part of said superheater shell, partition plates within said superheater shell extended crosswise thereof providing steam flow transversely of said fire tubes and upwardly therebetween to the upper part of said superheater shell, and means for conducting superheated steam away from said superheater shell.

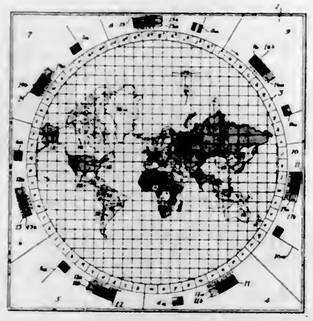


2,273,291
TICKET SCALE
Vincent F. Slezak, Chicago, Ill.
Application March 6, 1940, Serial No. 322,618
12 Claims. (Cl. 194—47)



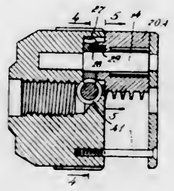
1. In a weighing scale, weighing means, an element manually movable for indicating a guess of a weight imposed upon the weighing means and having a recess therein, a second element movable with the weighing means for indicating the weight imposed upon the weighing means and having a recess therein, coin controlled means for ascertaining the result of the weighing operation, and means operable only when the element recesses are brought into registry by coincidence of the weight guess and actual weight indications for returning a coin to a user of the scale.

2,273,292
GAME
James E. Smith, San Francisco, Calif.
Application January 26, 1940, Serial No. 315,800
2 Claims. (Cl. 273—134)



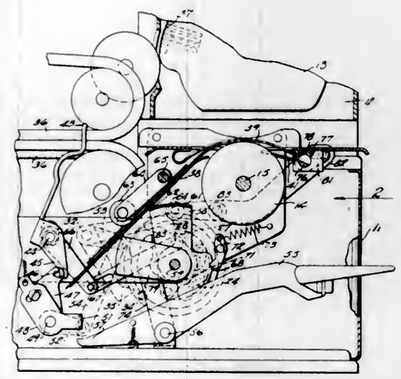
1. A game comprising a playing surface having a map with countries depicted thereon, certain of the countries being individually colored in order to be distinguishable from each other, the playing surface surrounding the map being divided into areas equal in number to the individually colored countries and each representing a home base for a player, each area having a portion thereof colored similar to the country on the map it represents and having two rows of flag-receiving openings, one row of openings being labelled "War" and the other row "Allies," and different flags for each of the colored countries, the flags of the players being exchanged and placed in the "War" row of openings when the players are at war with each other and being placed in the "Allies" row of openings when the players are aiding each other.

2,273,293
SELF-TIGHTENING CHUCK
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacob Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application June 14, 1940, Serial No. 340,518
4 Claims. (Cl. 279—34)



1. A self-tightening chuck of the type which comprises a plurality of eccentric clamping jaws pivotally supported on angularly spaced posts, actuating mechanism comprising worm gears operatively connected with the clamping jaws, and worm screws in mesh with said worm gears whereby the clamping jaws may be moved simultaneously by the rotation of the worm screws into contact with a tool, in which mechanism means for providing a clearance is incorporated whereby, after said actuating mechanism has been brought to rest a rotation may be imparted to the clamping jaws by the tool engaged by the jaws, beyond and independent of the rotation initially imparted to the jaws by the rotation of the worm screws.

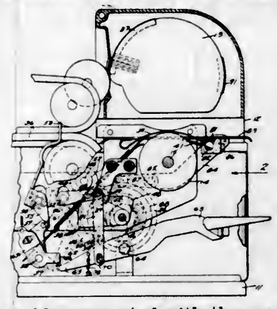
2,273,294
TAPE CONTROL PRINTING DEVICE
John A. Strother, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application March 9, 1940, Serial No. 323,109
5 Claims. (Cl. 101—235)



2. In a machine for printing on either letters or tape, a printing member, a one revolution clutch drive to rotate said printing member, a trip associated with letter printing, a trip associated with tape printing, each of said trips being connected with the one revolution clutch drive to initiate a printing operation, means to supply tape with the free end thereof in a non-printing position, tape advancing and retracting means to advance the tape to a printing position before printing and to retract the tape after printing, and a second clutch drive means connected with said tape advancing and retracting means and with the tape trip to initiate operation of the tape advancing means.

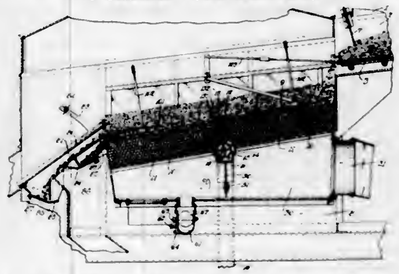
2,273,295
LETTER AND TAPE PRINTING DEVICE
John A. Strother, Stamford, and Edwin H. Owen, Old Greenwich, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application March 9, 1940, Serial No. 323,110
7 Claims. (Cl. 101—235)

1. The combination with a printing machine having means for printing upon either letters or tape at a single printing point, a letter operated tripping member for initiating a machine cycle of operation for letter printing, and a manually operated tripping member for initiating a machine cycle of operation for tape printing; of means operably connected with said letter trip and operable during an initial tripping operation thereof to effect movement of the tape from a printing position to a non-printing position,



means operably connected with the manually operated trip and operable during an initial tripping operation thereof to effect movement of the tape from a non-printing to a printing position, and means to retain the tape in the position effected by the intial tripping operation so long as like tripping operations are continued.

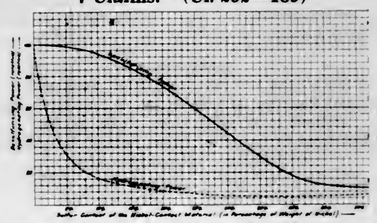
2,273,296
APPARATUS AND PROCESS FOR SEPARATING AND CLEANING MATERIALS
Earl Stump, Chicago, Ill., assignor to Roberts and Schaefer Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1938, Serial No. 187,843
7 Claims. (Cl. 209—475)



1. A material classifying device comprising a pervious fixed inclined floor, means for feeding a relatively deep stream of material to be classified downwardly therealong, a resistance bed beneath and coextensive with the floor, a discharge port extending entirely across the floor intermediate its ends, means for discharging a pulsating current of air upwardly through the stream of material, a plate having a relatively large number of apertures substantially larger than the size of the material particles being treated suspended in the stream of material above and generally parallel with the floor, said plate having a raised portion directly above said discharge port, and means for imparting to said plate a reciprocatory movement in general parallelism with the plane thereof.

6. The process of separating impurities from coal which consists in forming a continuous uniformly inclined bed of crude coal, said bed being of uniform width from end to end, causing the coal in said bed to flow lengthwise thereof by forcing pulsating currents of air upward through the bed, continuously adding crude coal to the upper end of said bed, utilizing the greater specific gravity of the impurities to bring about progressive stratification of the flowing coal and impurities, modifying the stratification step by employing air currents of greater intensity at the upper end of the bed than at the lower end, whereby only the coarser impurities separate from the coal in the upper portion of the bed, withdrawing the bulk of said coarser impurities from the bottom of the bed in a single downwardly descending stream coming from all portions of the bed on a transverse line at the lower margin of the zone of high intensity air currents, and withdrawing the remainder of the coarser impurities from the lower end of the bed separate from and underneath the fine impurities which separate in the zone of low intensity air currents.

2,273,297
SULPHUR ABSORBENT AND METHOD OF REGENERATING
Antoni Szayna, Brooklyn, N. Y., assignor to Albert C. Travis, New York, N. Y.
Application December 24, 1936, Serial No. 117,673
7 Claims. (Cl. 252—189)

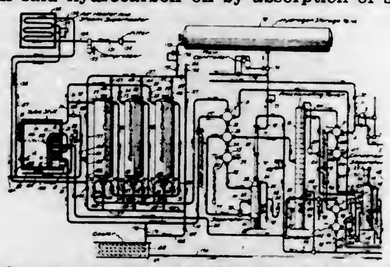


1. A regenerated sulphur absorbing mass for use in desulphurizing of hydrocarbon vapors at temperatures above about 700° F. in the presence of hydrogen, which comprises a porous inert refractory carrier material, metal of the class consisting of nickel, cobalt and iron, at least a part of which is present as free metal distributed on the surfaces of said carrier in an extended surface condition which makes it highly reactive with sulphur compounds and which would in the absence of sulphur make it highly active as a catalyst for hydrogenation and decomposition of hydrocarbons into elements at temperatures above 700° F.; and sulphur present in all parts of the mass in amount greater than one-half percent based on the weight of said metal, whereby to reduce substantially the hydrogenation activity and the capacity for said catalytic decomposition of hydrocarbons at temperature above 700° F., but the total amount of such sulphur being substantially less than sufficient to exhaust the sulphur-absorbing capacity of said mass, and the surface of said metal being free of carbon and organic deposits.

2,273,298
TREATMENT OF HYDROCARBONS
Antoni Szayna, Brooklyn, N. Y., assignor to Albert Chester Travis, New York, N. Y.
Continuation of application Serial No. 94,578, August 6, 1936. This application September 23, 1938, Serial No. 231,298
4 Claims. (Cl. 196—28)

1. A process for treating hydrocarbon oils to produce therefrom motor fuel substantially free of sulfur which comprises heating said oil to a cracking temperature, passing said heated oil in

vapor phase in admixture with 1 to 5% of hydrogen by weight through a body of contact material comprising a metal of the group consisting of iron, nickel, cobalt and copper in a special state of activity wherein its hydrogenating and desulfurizing power is less than maximum throughout said body to effect removal of sulfur from said hydrocarbon oil by absorption of sul-



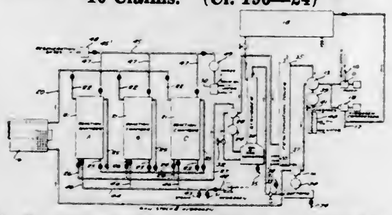
fur from said oil in said body, discontinuing the flow of said oil vapor through said body, regenerating said body by removal of sulfur therefrom, controlling said regeneration to effect retention throughout said body of a minor proportion of sulfur in combination with said metal and effect regeneration of said body, to said special state of activity.

2,273,299

TREATMENT OF HYDROCARBONS

Antoni Szayna, Brookyn, N. Y., assignor to Albert C. Travis, New York, N. Y.

Application October 8, 1938, Serial No. 233,983
10 Claims. (Cl. 196—24)



1. A process of desulfurizing sulfur-bearing hydrocarbon oils which comprises passing such oil thru a porous contact mass having an extended surface comprising free metal of the class consisting of nickel, cobalt and iron, and having sulfur distributed substantially throughout said surface acting as an inhibitor of its catalytic activity, segregating at least a part of said mass from the oil flow after it has taken up a substantial amount of additional sulfur from the oil, removing such additional sulfur by oxidization at temperature sufficiently low to avoid substantial impairment of desulfurizing activity, terminating the oxidation reaction in each part of the mass while sufficient sulfur remains in said mass to substantially poison its catalytic activity, substantially reducing the oxide formed in the oxidation step, and again in a repetition of the process utilizing the contact mass thus reformed.

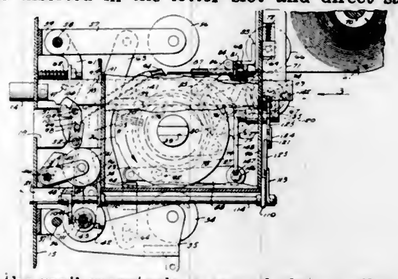
2,273,300

LETTER AND TAPE PRINTER

Linden A. Thatcher and John A. Strother, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application January 16, 1940, Serial No. 314,038
8 Claims. (Cl. 101—235)

1. In a postage printing and mailing machine, a casing enveloping said machine having a letter slot and a tape delivery opening therein, a mail receptacle within the casing, a printing cylinder, a drive to rotate said cylinder once during a printing cycle of operation, a platen roller associated with the printing cylinder and positioned so as to cooperate in the printing of letters which are inserted in the letter slot and direct same
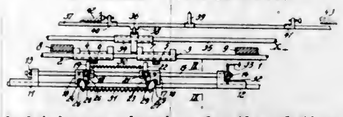


to the mail receptacle, a second platen roller cooperating with the printing cylinder in the printing of tape and in directing same to the tape delivery opening, and means operable upon initiating either a letter or a tape printing operation to limit the printing to either letters or tape during the one revolution of the printing cylinder.

2,273,301

FLAT KNITTING MACHINE

Paul Tuchscherer, Chemnitz, and Bernhard Köhler, Einsiedel, Germany, assignors to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application November 29, 1940, Serial No. 367,844
In Germany November 30, 1938
6 Claims. (Cl. 66—130)



1. A driving mechanism for the plating thread guide bars of flat knitting machines provided with means preventing rebounds due to the plating thread guide bars striking against stops limiting their stroke, comprising slurs, a bar moving said slurs, a brake bar, two plating thread guide brakes mounted on said brake bar, a cam carried by each plating thread guide brake, the cams mounted on said brake bar having surfaces inclined towards each other, brackets fixed on said slurs moving bar and spring actuated pivotally arranged means cooperating with said inclined surfaces of said cams and with said cams.

2,273,302

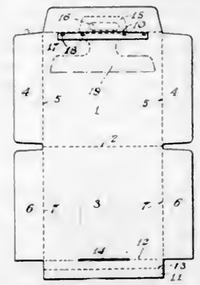
PACKAGE

Joseph Hirsch Vineberg, Ottawa, Ontario, Canada

Application September 15, 1938, Serial No. 230,132
3 Claims. (Cl. 206—7)

A packaging device comprising two substantially similar connected rectangular sections foldable one upon the other, a reinforcing multiply folded portion disposed along the entire width of one edge of one section and secured to said section to form a fixed receiving pocket, a slit in the fold line connecting the said folded portion to the said section, stiffening means connected along an edge of the other section and extending across the width of the package, the

edge of said other section and said stiffening means being insertable in the fixed pocket, and a handle member on said other section adjacent



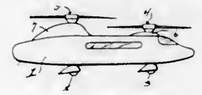
said stiffening means disposed to pass through and project from said slit when the package is closed.

2,273,303

HELICOPTER TYPE AIRSHIP

George R. Waldron, Tujunga, Calif., assignor of one-half to Francoise J. De Bouchelle, Hermosa Beach, Calif.

Application November 28, 1939, Serial No. 306,563
12 Claims. (Cl. 244—17)



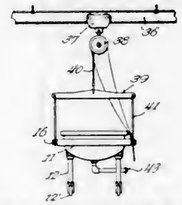
1. In a helicopter type airship, a fuselage, a pair of upwardly extending rotatable shafts carried by and projecting above said fuselage and spaced longitudinally thereof, means for applying rotary power to said shafts, said shafts being at a fixed inclination from the vertical forwardly with respect to the longitudinal center of the fuselage, a rotor unit mounted upon the upper end of each shaft to be turned thereby and including a plurality of adjustable pitch blades, said shafts being of unequal height to dispose said rotor units in vertically spaced parallel planes with the forward unit disposed in a plane below the plane of the rear unit, and means for oscillating the rearward unit transversely of the fuselage.

2,273,304

APPARATUS FOR DRYING LAUNDRY

Thomas S. Watson, Milwaukee, Wis., assignor of one-half to Huebsch Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 31, 1938, Serial No. 199,403
1 Claim. (Cl. 68—242)



In a clothes drying apparatus, the combination of an extractor body comprising a supporting wheeled carriage having a container portion and a flexible bag mounted in said container, an apertured cover for said bag, means for introducing hydraulic fluid between said container and said bag to move the bag with clothes therein toward said cover, suspending means, and supports on said carriage having tiltable engagement with said suspending means.

2,273,305

PRODUCTION OF COLOR EFFECTS ON TEXTILE OR OTHER MATERIALS

William Whitehead, Rye, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 1, 1939, Serial No. 265,508
2 Claims. (Cl. 8—14)

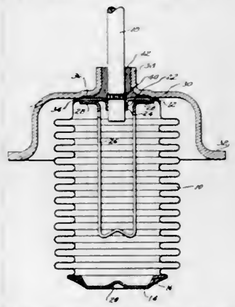
1. Process for producing color effects on materials containing organic derivatives of cellulose, which comprises locally applying to the surface of said materials a coloring composition containing a plurality of water-insoluble dyestuffs having different solubility characteristics in organic solvents and then subjecting said materials to the action of a vapor of ethylene dichloride so as to cause said organic derivatives of cellulose to swell and said dyestuffs to dissolve to different extents and to bleed on to the uncolored portions of said materials, whereby diffused color effects are produced on the surface of said materials.

2,273,306

THERMOSTATICALLY CONTROLLED UNIT

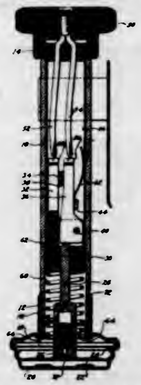
John E. Woods, Brookline, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware

Application January 30, 1940, Serial No. 316,406
1 Claim. (Cl. 297—8)



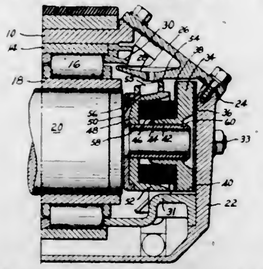
A thermostatic unit comprising a bellows cup closed at opposite end walls, one of said end walls being a plane surface and having a centrally disposed aperture therein, a supporting head forming a ring of contact with the plane surface of said end wall, said ring of contact surrounding and being concentric with said aperture, the portion of said supporting head inside said ring of contact extending inwardly and away from said end walls and terminating in an opening spaced a substantial distance from and larger than said aperture, a capillary tube passing through said opening and extending into said aperture in closely fitted relation thereto, and solder compound surrounding said capillary tube and filling the space formed by said end wall and said inwardly extending portion of said supporting head whereby said supporting head is bonded to said end wall over a substantial area while said capillary tube is supported relative to said supporting head and said aperture is sealed around said capillary tube.

2,273,307
THERMOSTATIC UNIT
John E. Woods, Brookline, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application February 10, 1940, Serial No. 318,268
2 Claims. (Cl. 200—140)



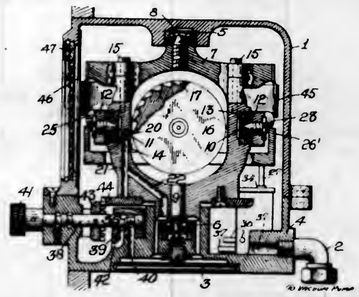
1. An immersion unit for controlling heat input, which comprises a generally tubular casing, a support of insulating material fixedly mounted within the casing and having a circuit contact mounted thereon, a pivoted arm mounted adjacent thereto and carrying a complementary contact, a head connected to the casing and having a thermostatic chamber therein, a diaphragm constituting the movable wall of the chamber, an operating rod connected with the movable wall and contacting the pivoted arm, thermostatic fluid within the chamber vaporizable at the temperature range, a spring interposed between the insulating material and the head, and means for adjusting the head longitudinally of the casing to predetermine the temperature of operation.

2,273,308
JOURNAL BOX
Otto W. Young, Maplewood, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 27, 1940, Serial No. 358,612
2 Claims. (Cl. 308—41)



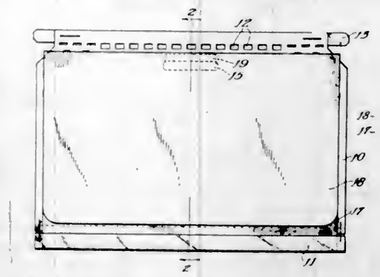
1. In a device of the character indicated, a journal box, a shaft journalled in the box, the box having an end wall extending across and spaced from the end of the shaft, a thrust block interposed in the space between the shaft and the end wall, and means for supporting the thrust block for self-aligning cushioned movement with respect to the shaft, said means comprising a pair of circular confining surfaces projecting one within the other from the thrust block and the end wall, portions of said surfaces being cylindrical and the terminal portions being convexly rounded, and a resilient cushioning ring having internal and external cylindrical surfaces confined radially under initial compression for a portion of its axial extent by said cylindrical surfaces of the projections and adapted to be radially compressed over increasing portions of its axial extent by said convexly rounded terminal portions as the thrust block is forced towards the holding plate by the shaft.

2,273,309
AUTOMATIC CAGING DEVICE FOR GYROSCOPES
Stephen J. Zand, Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 26, 1938, Serial No. 242,542
9 Claims. (Cl. 74—5)



1. An automatic caging device for gyroscopes comprising a plurality of metallic bellows and a caging ring supported thereby, a gyroscopic element supported for oscillation around two mutually perpendicular axes and including a rotor, means for operating said rotor by means of a differential pressure, and means for applying said differential pressure to said bellows to maintain said bellows in a compressed state, whereby upon failure of said pressure said bellows expand to advance said ring to cage said gyroscopic element against oscillation around one of its axes.

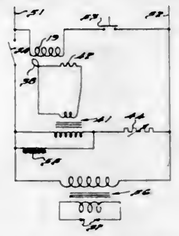
2,273,310
VISIBLE INDEX
Charles E. Attwood, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application December 20, 1940, Serial No. 370,940
5 Claims. (Cl. 129—16.7)



1. A visible index record filing device of the

class described comprising a card holder having a sheath embracing a lower marginal edge portion thereof and a record card or sheet doubled to form a rear leaf and a relatively shorter front leaf removably mounted thereon, the lower marginal edge portion of said rear leaf extending within said sheath and the upper marginal edge portion thereof being formed with a centrally positioned tongue extending through a slot formed in said holder adjacent its upper marginal edge portion and in locking engagement therewith, the said front leaf being adapted to swing freely on its fold relative to said rear leaf.

2,273,311
ELECTRIC SWITCHING PROTECTIVE SYSTEM
Ernest G. Anger, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application April 25, 1938, Serial No. 204,052
20 Claims. (Cl. 175—294)



1. An electric switch comprising separable contacts, operating means for effecting engagement and disengagement of said contacts to perform the switching operation, electromagnetic holding means for said contacts including an armature member and a coil energized in synchronization with the supply wave, the flux produced by said coil being sufficient to hold said armature closed until the instantaneous value of the flux is substantially zero, but insufficient to pull the armature back into engagment as the flux builds up in the opposite direction, said armature being connected to maintain said contacts closed while it is attracted, whereby, regardless of the point of actuation of the operating means, the armature will not move to initiate opening of the contacts except at a definite point on the supply wave, and means for adjustably varying the phase displacement between the reference supply wave and the energization wave of the coil to move the point at which the contacts disengage along the supply wave.

2,273,312
TREATMENT OF GASOLINE
Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 28, 1940, Serial No. 342,951
2 Claims. (Cl. 44—9)

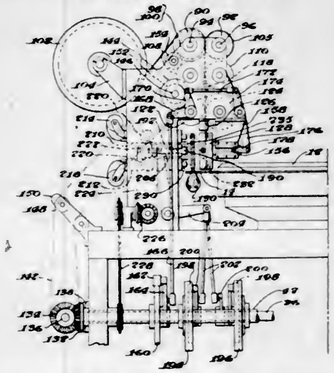
1. In the stabilization of olefinic gasoline by the addition of gum inhibitors thereto, the method of increasing the effectiveness of the inhibitor which comprises incorporating into the gasoline, in addition to the gum inhibitor, a condensation product of an aliphatic aldehyde with ammonia, the quantity of said product being insufficient, in the absence of said inhibitor, to effect any appreciable gum inhibition of the gasoline.

2,273,313
PLASTIC OR SPREADABLE FIBER-BINDER COMPOSITION AND METHOD OF MAKING SHEETS, BOARDS, AND MOLDED ARTICLES THEREFROM
Albert L. Clapp, Danvers, Mass.
No Drawing. Application December 1, 1938, Serial No. 243,388
13 Claims. (Cl. 18—48)

1. A process which comprises admixing and agitating a mass of fibers with slimy aqueous soap solution in such limited amount as to promote substantial individualization of the fibers of such mass and to impart to the mixture a foamy, plastic consistency, at which said mixture retains substantially such form as is imparted thereto, while substantially avoiding drainable water therein; and incorporating throughout the mixture a binder while substantially maintaining said foamy, plastic consistency and substantial absence of drainable water in the resulting composition.

8. A spreadable, plastic composition comprising a mass of substantially individualized fibers, foamed aqueous soap solution enveloping said fibers, and binder dispersed throughout said composition, said composition being substantially free from drainable water and retaining substantially such form as is imparted thereto.

2,273,314
PACKAGING MACHINE
William S. Cleaves, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 15, 1940, Serial No. 361,261
11 Claims. (Cl. 93—6)

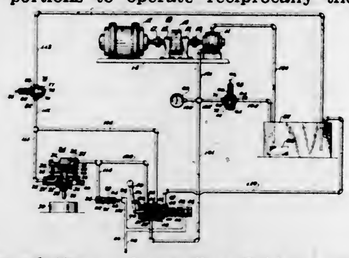


1. In a packaging machine, in combination, means for supporting a filled bag of the pouch type, with the mouth portion contracted and extended above the supporting means, means for supporting an elongated handle blank, means for wrapping one end of the blank about the extended mouth portion of the bag to form a closure thereof and means for fastening the handle to the bag.

2,273,315
HYDRAULIC WORK DEVICE
John C. Cotner, Logansport, Ind., assignor to Logansport Machine, Inc.
Original application March 10, 1938, Serial No. 195,093. Divided and this application April 4, 1939, Serial No. 266,021
8 Claims. (Cl. 78—42)

1. A self-contained fluid work device having a

high pressure fluid portion and a low pressure fluid portion comprising, in combination, a housing having an opening at the top, an anvil externally carried by the housing, a support externally carried by the housing and positioned above the anvil, a fluid work cylinder and piston supported by the said support, a work plunger operated by the piston and arranged to move relative to the anvil, means in the housing for connecting the work cylinder in communication with the high and low pressure fluid portions, a fluid pump mounted in the housing for delivering a fluid to the high and low pressure fluid portions, a motor mounted on the housing for driving the pump, control means mounted in the housing for alternately connecting the pump in communication with the high and low pressure fluid portions to operate reciprocally the said



piston relative to the anvil, a fluid pressure responsive device in the housing connected in communication with the high pressure fluid portion of the fluid system, manual means extending externally of the housing for actuating the control means to one operating position, locking means for locking the control means in said operating position, resilient means for urging the control means in another operating position, and a fluid pressure responsive device in the housing for releasing the locking means to cause the resilient means to urge the control means to the said another operating position, a flange mounted on top, and extending over the opening, of the housing, means for mounting the motor on top of the flange, and means within the housing for suspending the other associated parts, including the fluid pump, the control means, and the fluid pressure responsive device from the flange.

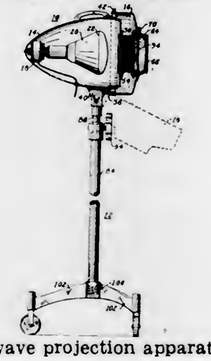
2,273,316

COLOR PROJECTOR

Henry J. Goerg, Grosse Pointe Park, and Otto Schlageter, Detroit, Mich.

Application March 27, 1939, Serial No. 264,352

6 Claims. (Cl. 240—1)



1. A color wave projection apparatus comprising, in combination, a shell having a light source therein arranged to direct the rays of light issuing from the light source through an opening in the shell, a hood of a size to cover the opening in the shell, means in said hood forming a series of parallel tracks extending from one side of the opening in the shell to the other, a color wave filter slide mounted on each track and capable of shiftable movement from a position centered in front of the opening in the shell to a position to one side of the center of the opening, a rod attached to each slide for shifting the same and extending through the wall of the hood to the outside, and a knob attached to the outer end of each rod and colored to correspond to the color of the filter slide to which the rod is attached.

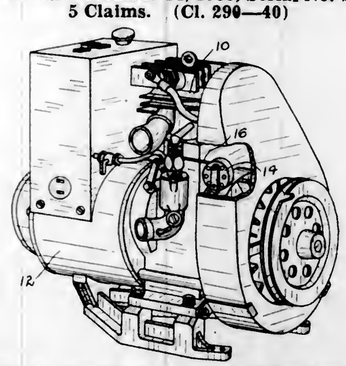
2,273,317

ELECTRIC GOVERNOR OR THROTTLING MEANS

Siegfried Hansen, Schenectady, N. Y.

Application November 14, 1938, Serial No. 240,368

5 Claims. (Cl. 290—40)



1. In an electric power generating system of the class wherein a variable speed prime mover drives a bi-phasic alternating current generator comprising a power phase circuit and a governing phase circuit, said phases being mutually inductive, and electro-responsive governing means electrically excited by the electrical load and the governing phase circuit reacts upon the energy supply to the prime mover to increase or decrease the speed thereof thereby maintaining essentially constant voltage output regardless of load variations, the combination of said governing phase inductively coupled to said power phase within said generator, with said governing means having a stator field circuit electrically connected in shunt to the governing phase circuit of the generator and a second stator field circuit electrically connected serially in the power phase circuit of said generator, and said two stator circuits of governing means arranged to be non-mutually inductive.

2,273,318

LAUNCHING DEVICE FOR LIFEBOATS

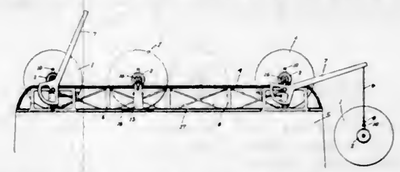
Cyrus W. Harris, Sacramento, Calif., assignor of one-half to Dante C. Pedrini, Stockton, Calif.

Application December 11, 1939, Serial No. 308,637

5 Claims. (Cl. 9—22)

1. In a water-borne vessel, a lifeboat, rollers on the lifeboat at its ends, said rollers having hubs, tracks mounted on the vessel in elevated relationship to the deck thereof and supporting the rollers, another track fixed adjacent deck level extending parallel to and substantially

alined vertically with one of said first named tracks, an upstanding frame mounted on said other track for movement along the same and



held thereon against relative vertical movement, and releasable members on the frame normally engaging about the hub of one of the rollers from below the same.

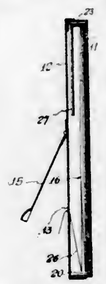
2,273,319

TOILET SEAT COVER PACKAGE

Clifford L. Huggins, Chicago, Ill.

Application December 15, 1939, Serial No. 309,323

8 Claims. (Cl. 206—57)



1. In a package for toilet seat covers, a plurality of aligned seat covers, a portion of each cover being folded over the body thereof, tabs projecting laterally from opposite sides of said covers adjacent but spaced from the ends thereof opposite from said folded portions of said covers, and a backing member to which said tabs are adapted to be secured in such a manner as to position said covers along said backing member and permit the ends of said covers opposite from said folded ends to hang downwardly along said covers in spaced relation with respect thereto, when said backing member is in a vertical position, so said tabs may be torn from said covers upon successive removal of said covers from said backing member.

2,273,320

HYDROCARBON REACTIONS

Vladimir N. Ipatieff and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 23, 1939, Serial No. 263,797

11 Claims. (Cl. 260—683)

7. A process for producing a higher molecular weight mono-olefin hydrocarbon from a lower molecular weight olefin hydrocarbon and a cycloparaffin which comprises reacting an olefin with a cycloparaffin of less than five carbon atoms in the ring in the presence of a condensation catalyst under selected pressure and temperature conditions effective for the condensation reactions in accordance with the starting hydrocarbons and condensation catalyst employed.

2,273,321

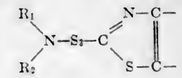
AMINO AZYL POLYSULPHIDES AND METHOD OF MAKING THE SAME

Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York., N. Y., a corporation of New York

No Drawing. Application April 25, 1940, Serial No. 331,638

10 Claims. (Cl. 260—302)

1. Compounds having the general structural formula



wherein



represents an aliphatic amino group.

2,273,322

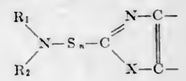
ORGANIC VULCANIZING AGENT

Paul C. Jones, Akron, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application April 25, 1940, Serial No. 331,639

13 Claims. (Cl. 260—775)

1. The method which comprises vulcanizing a rubber in the presence of a compound having the general structural formula



wherein



represents an aliphatic amino group, n represents one of the integers 2 and 3, and X represents a member of the class consisting of —S—, —O—, and —NH—.

2,273,323

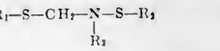
ACCELERATOR OF VULCANIZATION

Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 21, 1940, Serial No. 336,397

6 Claims. (Cl. 260—306)

1. Compounds having the structural formula



wherein R_1 and R_2 represent members of the class consisting of 2-thiazyl and 2-thiazolinyl groups, and R_3 represents an aliphatic group.

2,273,324

ACCELERATOR OF VULCANIZATION

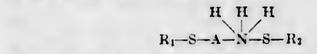
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 22, 1940, Serial No. 336,579

10 Claims. (Cl. 260—785)

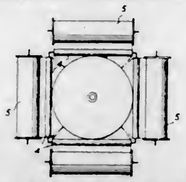
3. The method which comprises vulcanizing a

rubber in the presence of a compound having the structural formula



wherein R_1 is a thiazolinyl group, R_2 is a thiazyl group, and A is a lower alkylene group.

2,273,325
WARP LETOFF MOTION
Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 27, 1940, Serial No. 367,331
In Great Britain December 28, 1939
4 Claims. (Cl. 139—110)

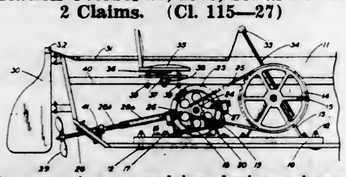


1. Warp let-off motion comprising a warp-beam carriage movable in the direction in which the yarn leaves the beam, means to urge the carriage in a direction opposite to that in which the yarn leaves the beam, means for rotatably mounting a beam in the carriage, friction gearing in driving connection with the beam mounting, the gearing comprising a driver member adapted to be constantly rotated and a driven member movable to variable radial distances with respect to the driver member, and means connecting the beam carriage to the driven member to enable the radial distance at which the driven member contacts with the driver member to be governed by movements of the beam carriage in response to variations in the tension of the yarn.

2,273,326
SAND MOLD
William F. McKee, Belleville, Ill., assignor to Cortner M. Hardy, Henderson, Ky.
No Drawing. Application July 8, 1940, Serial No. 344,377
4 Claims. (Cl. 22—189)

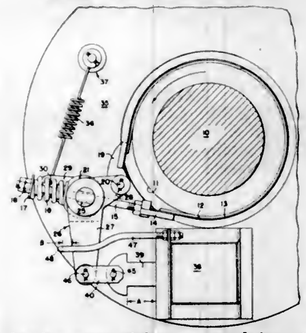
1. A surfacing composition for sand-molds and the like comprising pinewood resin in solution with a volatile solvent.

2,273,327
MARINE PROPULSION DEVICE
Victor Metaxas, Detroit, Mich.
Application October 26, 1938, Serial No. 237,133
2 Claims. (Cl. 115—27)



1. In a marine propulsion device, a base board adapted to be detachably secured to a boat, a generally vertically adjustable bracket having one end hingedly secured to said board and having its other end secured to said board with the aid of an adjustable connection so that said last named end may be adjustably raised or lowered relative to said board, a bevel gear, a pinion meshing with said gear, said gear and pinion being rigidly supported with respect to each other and bodily movable with said bracket, and a propeller shaft secured to said pinion.

2,273,328
SOLENOID OPERATED BRAKE
Edward L. Miller, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 13, 1939, Serial No. 261,416
Renewed March 2, 1940
2 Claims. (Cl. 188—171)



1. A brake comprising a revolving drum surrounded by a brake band anchored at one end, drawn up at the other by a spring and released by a solenoid, having in combination a cylindrical brake drum, a flexible brake band capable of engaging the brake drum and having limited bodily circumferential movement, a stationary stud supporting a spider and the rear end of the brake band, one arm of the spider connected to the front end of the brake band, a tension spring connected to another arm of the spider and to a fixed abutment, the spring tending to draw the spider arm toward the abutment so as to wrap the brake band around the brake drum and to move the front end of the brake band forward in the direction of rotation until the slack is taken up, a solenoid connected to the spider tending to draw the bell crank in the direction opposite to that of the spring, releasing the brake band, an indicator showing the position of the front end of the brake band, the spider, and the solenoid armature when the brake is applied; the position of the indicator relative to indicated limits showing that the brake band, spring and solenoid will all be stressed in the manner intended and function to best advantage; a rod connected to the rear end of the brake band passing through the stud, a single adjustment on the rod drawing the rear end of the brake band closer to the stud and thus bodily moving the brake band around the brake drum until the indicator connected with the forward end falls within the limits giving effective operation.

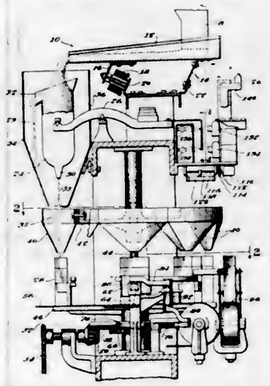
2,273,329
TREE TRIMMING DEVICE
Elbert R. Potter, Chicago, Ill., assignor of one-half to Rex D. Wray, Bloomington, Ill.
Application April 5, 1940, Serial No. 328,005
5 Claims. (Cl. 30—166)

1. A tree trimming device comprising a tubular member, an operating rod slidably mounted in said tubular member, a saw attached to the forward end of said rod, a saw holder mounted at the forward end of the tubular member and in which the saw reciprocates, a saw guide pivoted upon the saw holder, tension means adapted to maintain the guide over the blade during the initial cutting operation, a limb hook carried up-



on a bell crank pivotally mounted upon the saw holder opposite to the pivotal mounting of the guide, a spring adapted to apply and maintain pressure upon the saw blade, and an operating handle adapted to reciprocate the operating rod and saw blade.

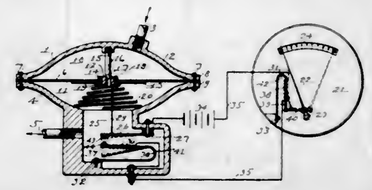
2,273,330
DISPENSING DEVICE
George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 14, 1938, Serial No. 235,001
8 Claims. (Cl. 221—118)



1. A dispensing device having, in combination, a vibratory material feeding conduit for feeding the material in a stream, a scale including a scale beam, a receptacle mounted on said scale beam into which the stream of material is discharged from said conduit, said receptacle having a discharge outlet at its lower end whereby an everchanging and relatively large mass of material is contained therein, and means controlled by movement of said scale beam for increasing the vibration of said conduit when the weight of said predetermined volume of material becomes less than the predetermined amount and for retarding the vibration of said conduit when the weight of said predetermined volume of material becomes greater than the predetermined amount.

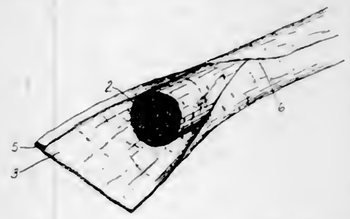
2,273,331
FLOWMETER
William Rowerdink, East Grand Rapids, Mich.
Application October 8, 1938, Serial No. 233,947
2 Claims. (Cl. 73—210)

1. A flow meter of the class described comprising, in combination: an indicator having a turnable pointer; a hollow body in the fluid line having a flexible diaphragm extending thereacross with a medial opening and a valve seat therein, and having a valve stem with a conical valve end seating in the valve seat, the diaphragm being movable toward valve-opening position by fluid pressure in the line; a bi-metal thermostatic bar connected with the pointer; a second bi-metal thermostatic bar; an electric circuit comprising portions coiled around said bars respectively for heating and thereby flexing the same by the resistance of said coiled portions to the current passing therethrough, the first bar thus flexed turning the pointer to indicate increased fluid flow, the circuit including a contact carried by



the second bar and a switch having an arm connected with the diaphragm and movable by increased fluid pressure into circuit-closing engagement with said contact for alternately energizing the circuit's resistance portion coiled around the first bar thereby flexing the same to turn the pointer for indicating such increased flow, and energizing the circuit's resistance portion coiled around the second bar thereby flexing the same to separate said contact from the switch arm.

2,273,332
PACKING
Wade E. Sackner, Grand Rapids, Mich., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich.
Application August 16, 1939, Serial No. 290,530
1 Claim. (Cl. 154—43)



A packing cord consisting of a substantially cylindrical core of compressed cellulose crepe wadding, and a smooth outer cover therefor comprising a sheet formed of substantially 10 or less plies of sheet cellulose crepe wadding surrounding said core and retaining it in form, the edges of said sheets overlapping and joined by a layer of adhesive.

2,273,333
VIBRANT BAR AND METHOD OF TUNING THE SAME
Henry J. Schluter, Chicago, Ill., assignor to Jack C. Deagan and Ella L. Deagan
Application April 24, 1939, Serial No. 269,647
9 Claims. (Cl. 84—403)

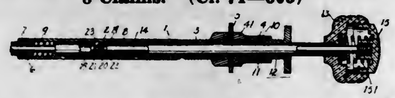
1. A percussion musical instrument bar shaped to provide sections of substantially uniform diameter spaced apart longitudinally of the bar, and

sections interconnecting the first sections having surfaces undulated in a direction longitudinally



of the bar, said latter sections being of different lengths and depths.

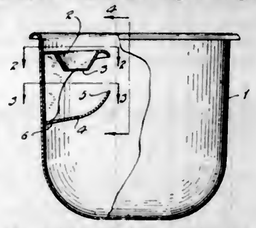
2,273,334
VERNIER CONTROL
Henry G. Shakespeare, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan
Application December 18, 1939, Serial No. 309,773
8 Claims. (Cl. 74—503)



5. In a control device of the class described, the combination of an elongated internally threaded support provided with mounting means, the thread being in the form of a helical groove of curved cross section, a tubular adjusting member slidable and rotatable in said support and having an opening in the side thereof adjacent its inner end, said adjusting member being provided with a handpiece having an outwardly facing recess therein, a spherical thread engaging element disposed in said opening in said adjusting member, a control rod slidable in said adjusting member and having an annular reduced portion permitting the retraction of said thread engaging element and having at the inner end thereof a conical cam acting to project said thread engaging element to thread engaging, actuated position, said control rod being provided with a push button at its outer end disposed in said recess in said handpiece to normally project therefrom, and a spring arranged in said recess in said handpiece and acting on said control rod to urge the cam thereon to a position projecting said thread engaging element radially of the longitudinal axis of the support into actuated thread engaging position.

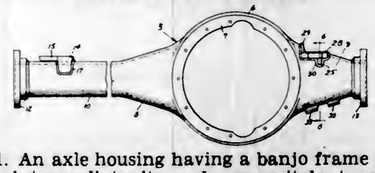
2,273,335
ASH TRAY
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 22, 1940, Serial No. 314,953
4 Claims. (Cl. 131—235)

1. A smoker's ash receptacle for use in a vehicle having in combination, an open top container free to receive refuse, a snuffer projecting into the container near the top and leaving a large free space around the same, and a small live coal catch member registering with the snuffer therebelow and having a large free space



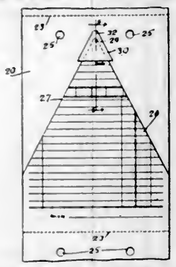
therearound, said catch member arranged to allow the ashes to shift off with the vibrations of the vehicle.

2,273,336
AXLE HOUSING
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 8, 1940, Serial No. 351,841
11 Claims. (Cl. 301—124)



11. An axle housing having a banjo frame portion intermediate its ends, oppositely tapering throat portions joined to said frame portion, a transversely extending slot across the upper surface of one of said throat portions, and a transverse spring pad disposed in and closing said slot and welded to the defining edges thereof.

2,273,337
METHOD OF LOADING MANIFOLDING DEVICES AND STATIONERY MATERIAL THEREFOR
Milton C. Stern, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application December 26, 1940, Serial No. 371,666
3 Claims. (Cl. 282—21)

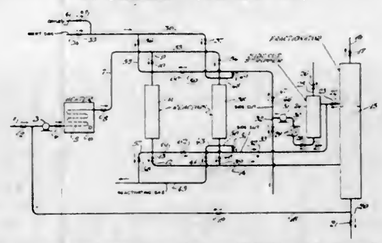


1. In a method of providing continuous reloading of manifold devices with stationery sheet material, the steps of overlapping the trailing end form of one set with the leading end form of the succeeding set, serrating the leading edge of said succeeding paper sheet form, applying adhesive to the underside of said serrated leading edge, and adhesively uniting said serrated portion to the trailing end form of said other paper web set by means of a triangular-shaped sticker having a feathered leading edge.

2,273,338
PRODUCTION OF CATALYTIC MATERIAL
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 3, 1939, Serial No. 265,761
10 Claims. (Cl. 252—232)

1. A process for producing catalytic material which comprises mixing solutions of sodium aluminate and ammonium chloride to precipitate hydrated aluminum oxide and combining with the aluminum oxide a hydrocarbon dehydrogenating catalyst comprising an oxide of an element from the left-hand columns of groups 4, 5 and 6 of the periodic table.

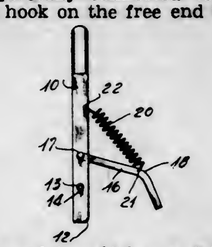
2,273,339
CATALYTIC CRACKING
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 16, 1939, Serial No. 304,663
12 Claims. (Cl. 196—52)



7. In a process for the catalytic conversion of hydrocarbon oil employing a pair of catalytic reactors each of which is alternately operated on a cycle comprising a processing step and a regenerating step, the processing step including passage of the charging oil through a reactor at conversion temperature and the regenerating step including passage of an oxygen-containing gas through a reactor at a temperature substantially in excess of said conversion temperature, the processing step being performed in one of the reactors while performing the regenerating step in the other reactor, the method which comprises fractionating the products of the processing step to separate therefrom gasoline and gas, heavy insufficiently converted oil and an intermediate side cut fraction, introducing to each reactor, following its regeneration and while it is still at a temperature above said conversion temperature, a sufficient quantity of said intermediate side cut fraction to cool the regenerated reactor to approximately the conversion temperature of the charging oil, and then passing the charging oil through the thus cooled regenerated reactor.

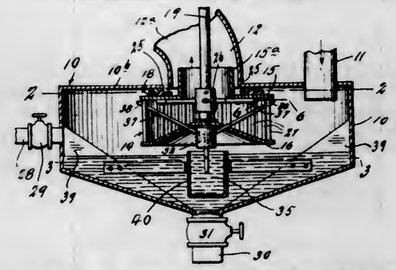
2,273,340
TIRE REMOVING TOOL
George Van Zale, Bay City, Mich.
Application April 5, 1941, Serial No. 386,975
1 Claim. (Cl. 157—6)

A tire removing tool of the class described and comprising a flat wedge bar formed with a slightly curved lower end section adapted to be inserted between a vehicle tire and a rim, an antifriction means mounted on the face of the bar, and at a point spaced from the lower end of the bar, a rim engaging stop on the opposite face of the wedge bar directly opposite the anti-friction means, an angularly-shaped lever having its one end pivotally connected to the bar, a rim engaging hook on the free end thereof, and



a spring anchored to said bar and to said lever at a point intermediate its length for exerting an upward pull on said lever.

2,273,341
DUST COLLECTOR
Charles M. Vollmer, St. Louis, Mo.
Application April 5, 1940, Serial No. 327,953
6 Claims. (Cl. 183—26)

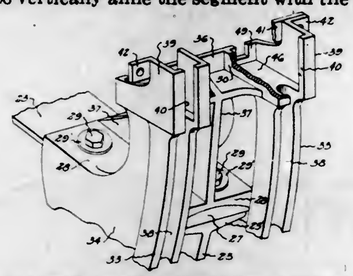


1. In a dust separator of the class described, the combination of a vertical casing having its lower part filled with water, a dust and air conduit opening into the upper end thereof, a blower in said conduit, a tubular air outlet extending upwardly from the upper end of said casing, a cage revolubly mounted in said casing coaxially with said outlet and having a top wall formed with a tubular axial extension projecting into said outlet, said cage having a closed bottom wall, a plurality of spaced-apart rods extending vertically between said walls and having their ends secured thereto, said rods forming a peripheral wall of said cage, whereby air is admitted into said cage through the spaces between said rods while dust particles are thrown outward by the impact with said rods, a tubular member extending coaxially downward from said cage into said water, and a plurality of tubes connected to the upper end of said tubular member and extending radially outward from said cage and having their discharge ends presented rearward to the direction of rotation for spraying said water into the upper end of said casing.

2,273,342
PUMP JACK
Victor E. Baum, Tulsa, Okla.
Application June 27, 1938, Serial No. 215,973
14 Claims. (Cl. 74—103)

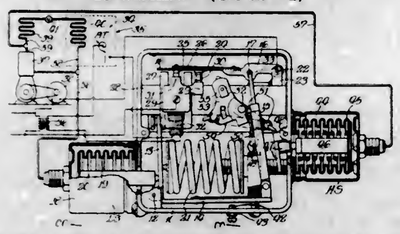
1. A pumping jack including, a pivoted beam, an arcuate segment mounted on one end of the beam and arranged to swing therewith, a supporting member secured to the beam and extending transversely across the top of said beam, the upper surface of said member providing a supporting surface which is engaged by the arcuate segment for supporting said segment, means for

adjustably mounting the segment on the supporting member, whereby the segment may be moved to various positions transversely of the beam to compensate for variations in the beam and to vertically aline the segment with the pump



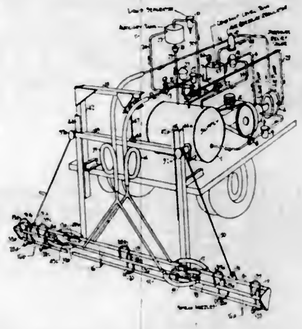
rods of a well, means for fastening the segment in a desired adjusted position, and means for connecting the pump rods to the segment, whereby swinging of the beam and segment reciprocates the rods.

2,273,343
REFRIGERATION CONTROL STRUCTURE
Robert J. Bigelow, Rochester, Minn., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 10, 1940, Serial No. 339,747
15 Claims. (Cl. 62—4)



1. In a refrigeration control structure, a switch arm having cut-in and cut-out positions, an electromagnet tending to move said switch arm to cut-in position, a spring tending to move said switch arm to cut-out position, said electromagnet being capable of moving said switch arm to cut-in position against the action of said spring upon the switch arm being moved from cut-out position to a predetermined intermediate position, said spring being capable of moving said switch arm to cut-out position against the action of said electromagnet upon said switch arm being moved from cut-in position to said predetermined intermediate position, switch contacts controlled by said switch arm and connected in circuit with a refrigerant compressor motor. means responsive to low side pressure of the refrigerant system and operable to move said switch arm to said predetermined position upon rise of the low side pressure past a degree which permits defrosting of the evaporator coil of the refrigerant system before said predetermined intermediate position of said switch arm is reached, an air thermostat responsive to the temperature of air in the space being refrigerated and controlling said electromagnet, a stop for said low side pressure responsive means in a position incapable of moving said switch arm to cut-in position and said low pressure responsive means being movable in response to extreme low pressure to a position effecting opening of said switch arm while said electromagnet is energized.

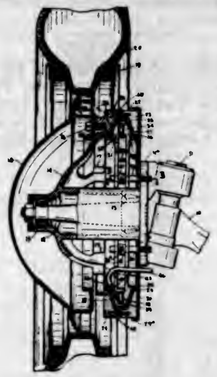
2,273,344
APPARATUS FOR AGRICULTURAL SPRAYING
Alexander Robson Black, Norwood, and Everett Burr Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 22, 1939, Serial No. 275,052
2 Claims. (Cl. 299—40)



1. In agricultural spraying equipment of the class described including an air pump, a liquid pump, a supply tank, a constant level chamber, atomization means, liquid line means for supplying liquid from said supply tank through said liquid pump and said constant level chamber to said atomization means, means for withdrawing liquid from said atomization means to said supply tank comprising an auxiliary tank, a liquid line from said tank to said supply tank, a check valve in said line whereby liquid may flow from said auxiliary tank to said supply tank and whereby reverse flow through said line is prevented, a three-way valve in the liquid line between said constant level chamber and said atomization means, a liquid line between said three-way valve and said auxiliary tank, an air line between said auxiliary tank and the intake side of said air pump, a three-way valve in said last named line, an air line from said last named three-way valve to a source of air intake, said three-way valves being adapted to operate simultaneously whereby in one position liquid will flow from said constant level chamber to said atomization means and air will be drawn from said source of air supply to said air pump and whereby in a second position air will be drawn from said auxiliary tank to said air pump and liquid will be drawn from said atomization means to said auxiliary tank and further flow of liquid from said constant level chamber prevented.

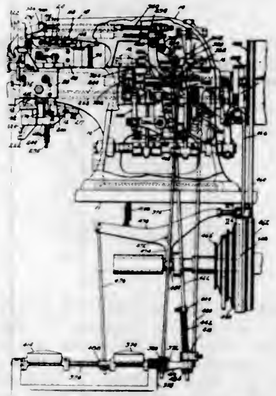
2,273,345
BRAKE MECHANISM
Edward R. Burrell, Akron, Ohio
Application June 26, 1939, Serial No. 281,166
10 Claims. (Cl. 188—152)

1. A brake comprising a rotatable member having a conical friction surface thereon, a non-rotatable annular element having a conical friction surface thereon for frictional engagement with said surface on said member, means for non-rotatably and loosely but snugly supporting said element to float relatively of said member and to be axially shiftable relatively of said member, and annular fluid-pressure means for axially urging said annular element into frictional engagement with said member to brake the same, said fluid-pressure means applying uniform pressure about said frictionally engaging



surfaces, whereby said element will be self-centering on said member.

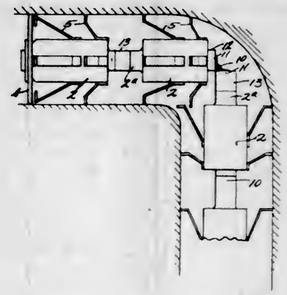
2,273,346
TAPING MACHINE
Rouel R. Campbell, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 3, 1940, Serial No. 343,816
31 Claims. (Cl. 12—17)



1. In a taping machine, tape-applying mechanism, a tape presenter for directing tape to said tape-applying mechanism, a tape-severing knife, power-driven means for operating said knife, means for moving said presenter from a position adjacent to said tape-applying mechanism to a position remote therefrom, and means operated by said tape presenter moving means for connecting said knife to said power-driven means after said tape presenter has been retracted to a remote position.

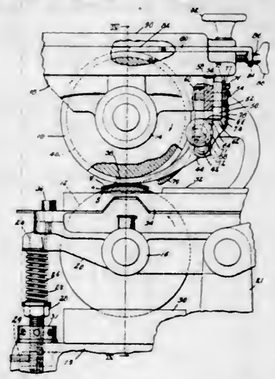
2,273,347
DUMBBELL-JOINT PRESSURE-LINE SCRAPER
Hubert R. Crane, Los Angeles, Calif.
Application April 19, 1940, Serial No. 330,585
2 Claims. (Cl. 15—104.06)

1. A pressure line scraper including a pair of body members provided with radially directed scraping blades and axially disposed means for connecting said members including a dumbbell link; one of said members having a coaxial, projecting end hub in which one ball is mounted and the other member having opposite to the said hub an attached bushing receiving the other ball of the link and limiting outward movement



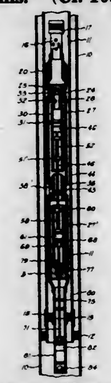
of the ball therein; the hub and the bushing being of about equal end-face diameter so that at a 90 degree bend the corners of the hubs will fulcrum one on the other; the balls of said link being freely slidable and freely rotatable in the hubs and the bar of the link being of such length as to enable a right-angle position between said bodies relatively at any relative rotative position of the bodies on their axes.

2,273,348
CEMENTING MACHINE
Albin C. Eek, Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 23, 1940, Serial No. 346,974
14 Claims. (Cl. 12—80)



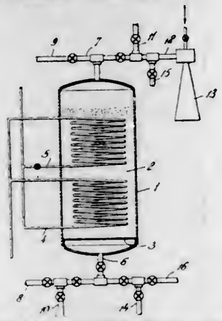
1. In a machine for applying adhesive to a shoe part having thin portions, a pair of co-operating feed rolls spaced so that their surfaces do not touch, means for supplying adhesive to the surface of one of said rolls, and means projecting beyond the surface of the other of said rolls toward the surface of the adhesive coated roll but not touching the same, said means being structurally independent of said other roll and adapted to force the thin portions of the shoe part against the surface of the adhesive coated roll.

2,273,349
PUMPING APPARATUS
Ralph C. Farley and J. W. Gillespie, Henderson, Tex.
Application August 18, 1938, Serial No. 225,504
31 Claims. (Cl. 103—46)



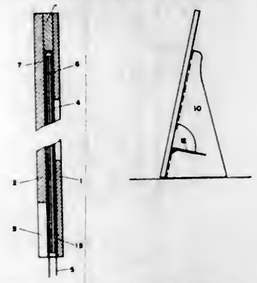
1. The combination with a well tubing and a well casing of a pumping apparatus arranged to be lowered into and removed from the well tubing on a flexible line and including, a cylinder having a pressure actuated member movable therein, a well pump having its plunger connected with said pressure actuated plunger so as to be actuated thereby, and means for introducing a pressure fluid into the tubing whereby said tubing is utilized as a conductor for conducting the pressure fluid to the cylinder to actuate the pressure actuated plunger.

2,273,350
METHOD OF HANDLING DEHYDRATION
Walter C. Fry and Harold L. Bedell, Augusta, Kans., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1940, Serial No. 351,662
4 Claims. (Cl. 196—4)



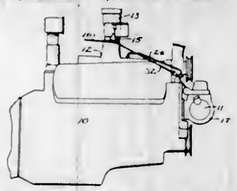
1. That method of conducting a cyclic process including dehydrating inhibited gasolines to remove dissolved water therefrom which comprises passing the gasoline through a confined body of adsorbent material capable of removing water dissolved in said gasoline, ceasing passage of gasoline when adsorbent becomes incapable of further water removal, drying said adsorbent by the joint action of heat and a stripping gas flowing therethrough, flushing said adsorbent with a normally gaseous petroleum hydrocarbon fraction, charging said adsorbent with a protective charge of said normally gaseous hydrocarbon while awaiting reuse as a dehydrator, and again using the adsorbent in the dehydrating portion of the cycle.

2,273,351
SHIPPING AND DISPLAY PORTFOLIO
Robert Jay Gunder, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application November 10, 1938, Serial No. 239,782
7 Claims. (Cl. 40—152.1)



1. A shipping and display portfolio comprising a base, a cover having a central opening therein, a spacing element between said base and said cover throughout three of the sides thereof to form a cavity, and a retaining element secured near the fourth side and having a flexible edge thereof extending outwardly from the secured edge into the cavity to directly contact and impositively engage material adapted to be placed therein.

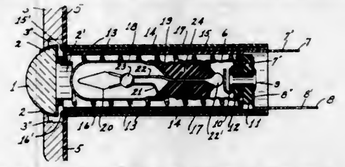
2,273,352
INTERNAL COMBUSTION ENGINE
Edmund E. Hans, Detroit, Mich.
Application April 13, 1940, Serial No. 329,507
7 Claims. (Cl. 123—117)



1. In an ignition system for motor vehicles, an ignition distributor operated by the motor of said vehicle, said distributor having a vacuum-operated retarding means associated therewith, a throttle for the carburetor of said motor, vacuum control means associated with said retarding means which in a normal position connects a vacuum source to said retarding means to hold said retarding means inoperative and in an accelerating position, connects said retarding means to the atmosphere to cause same to operate, and mechanical means connecting said control means with said throttle in such manner that the sudden opening of said throttle will momentarily retard said distributor.

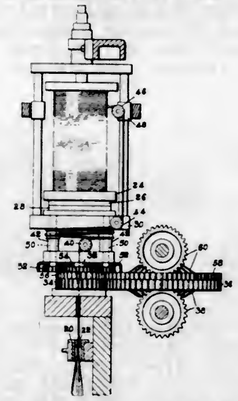
2,273,353
ILLUMINATED PUSH BUTTON SWITCH
Oran P. Harris, Richmond, Ind.
Application February 23, 1940, Serial No. 320,296
1 Claim. (Cl. 200—167)

In a push button switch, the combination of a fixed socket having an electric bulb secured therein, a pair of contact prongs electrically connected with said socket, a compression spring positioned around the socket and the bulb with an inner insulating sleeve surrounding the compression spring, a contact finger secured to and extending from each of the contact prongs along the outside of the inner insulating sleeve with each of the contact fingers extending beyond the end of the bulb, an outer insulating sleeve covering the contact fingers, and a translucent push



button member positioned beyond the end of the bulb and bearing against one end of the compression spring with the push button member being adapted to close an electric circuit through the contact fingers, and with the translucent portion of the push button permitting light from the electric bulb to emanate outwardly therethrough.

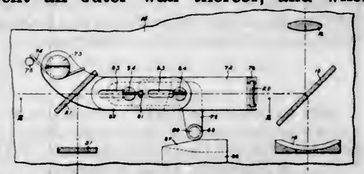
2,273,354
METHOD OF MANUFACTURING FIBER FASTENING MATERIAL
Alex Hayner, Boston, Mass., assignor to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey
Application June 28, 1940, Serial No. 343,007
7 Claims. (Cl. 57—154)



1. That improvement in methods of manufacturing felted, fibrous fastening material which consists in producing the material in twisted form and subjecting it to a rapid succession of hammer blows to reduce it to the desired shape and to harden the material, applying a surface coating of sizing to the hardened material, and then removing any surplus sizing from the surface of the material before the glue hardens.

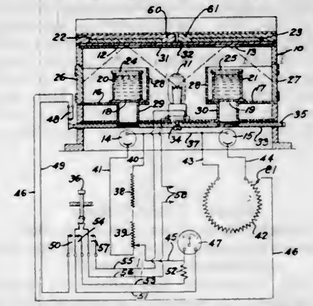
2,273,355
RANGE FINDER FOR PHOTOGRAPHIC PURPOSES
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application March 15, 1939, Serial No. 262,012. Divided and this application March 6, 1940, Serial No. 322,490
7 Claims. (Cl. 95—44)

1. Focusing mechanism for focusing in a combined view and range finder the position of the lens of a camera so that it shall focus on the plate or film of the camera, objects at varying distances from the objective lens thereof, and having means adapted and arranged only for permanently setting the parts to provide for slight actual variances in lenses classed as of the same focal length, comprising, in combination; a camera casing having a movable objective lens, said lens having a rotatable lens barrel with a cam face; a combined view and range finder attached to the camera casing and provided with two fixed mirrors and an intermediate negative lens; a positive range finder lens at one side and a fixed negative lens at the opposite side of one of said mirrors, and a glass window at one side of the other mirror for two spaced light beams; a pivoted member within said camera casing adjacent an outer wall thereof, and whereon



said negative lens is mounted for transverse movement with respect to a right line through said mirrors; and a cam follower arm or member directly engaging said cam face on the objective lens barrel and mounted upon the said outer wall of said casing, for directly engaging said objective lens barrel and having an operating, adjustment-providing connection extending through said wall of the casing and engaging, for the adjustment thereof, said pivoted member that carries the negative lens; and means adapted and arranged only for adjustably setting in permanent position said cam follower arm or member, and acting through said adjustment-providing connection, so to secure in use precisely the same amount of movement of the negative lens arm or member as would occur with a precisely accurate lens of the same classification as to focal length, in taking the same picture.

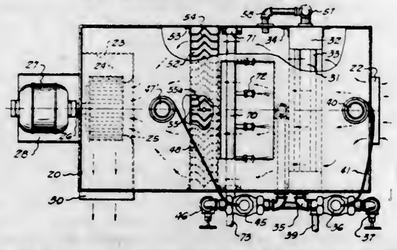
2,273,356
PHOTOELECTRIC COLOR MEASURING AND ANALYZING APPARATUS
Alfred L. Holven and Thomas R. Gillett, Crockett, Calif.
Application March 11, 1939, Serial No. 261,268
8 Claims. (Cl. 88—14)



7. In a photoelectric light absorption measuring device, the combination of a photoelectric cell of the current generative type, a first resistance of fixed value forming a closed shunt circuit across the terminals of said cell, a second and

similar photoelectric cell of the current generative type, a second resistance having a fixed value equal to that of said first resistance forming a closed shunt circuit across the terminals of said second cell, an electrical connection between the like poles at one side of said cells, a second electrical connection extending between the fixed resistance in shunt circuit across the terminals of said first photoelectric cell and a point variable along said second resistance in shunt with the other of said photoelectric cells, said latter circuit having a zero current indicating galvanometer connected therein, means for varying the connection of said latter circuit with said second resistance to effect a zero balance of said galvanometer, and a cooperating scale graduated in $-\log T$ values mounted adjacent and extending along said second resistance adapted by the position of said varying connection upon said second resistance to indicate the light transmittance characteristic of a specimen.

2,273,357
AIR CONDITIONING APPARATUS
Louis D. Houlis, Cincinnati, Ohio
Application April 15, 1939, Serial No. 267,988
4 Claims. (Cl. 236—44)



1. An air conditioning apparatus including, an elongate casing having an inlet at one end and outlet at its opposite end, means for circulating air longitudinally through the casing, a heater extending transversely of the casing for heating the air passing therethrough, a thermostat having a dry bulb disposed between the heater and inlet directly in the path of the incoming air for controlling the operation of the heater to maintain the circulating air at a desired temperature, a steam spray means within the casing beyond the heater for introducing steam into the air circulating through the casing to control the humidity thereof, a thermostat having a wet bulb element mounted in the casing beyond the spray means for controlling the admission of steam in accordance with the humidity of the circulating air, and means for directing an uninterrupted stream of moisture-laden air onto the element of the wet bulb thermostat to maintain the same in a moistened condition without covering the exterior surface thereof.

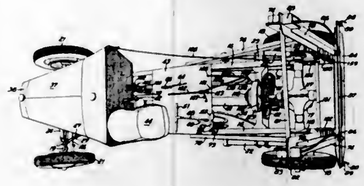
2,273,358
RING EXPANDER
Francis Hyde, Sioux Falls, S. Dak.
Application October 9, 1940, Serial No. 360,510
4 Claims. (Cl. 29—8)

1. A ring expander including an expansible member formed to receive the ring to be expanded thereover, and means to expand the member threadedly connected to the latter and having graduations thereon extending beyond the member to indicate the size to which the ring is to be expanded, the expanding means having a part cooperable with the graduations to progressively indicate the expansion of the ring without removing the ring from the expansible member, means connected to the expansible member to rotate



same, and means connected to the expanding means to rotate same, whereby to provide for actuation of the expansible member or of the expanding means by movement of either or both of said operating means.

2,273,359
MATERIAL HANDLING MACHINE
Frederick W. Johnson, Santa Cruz, Calif.
Application October 28, 1940, Serial No. 363,071
3 Claims. (Cl. 214—103)

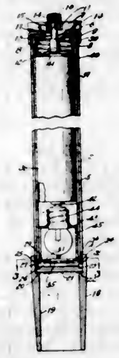


1. In a machine of the character described, a frame, a motor mounted on said frame, vertically extending inclined rails mounted on said frame, a bucket for containing material to be handled and slidable along said rails, hoisting mechanism on said frame and connected with and to move said bucket along said rails, means connecting said hoisting mechanism to be driven by said motor, means to be selectively positioned at spaced points along said rails and movable to engage said bucket for releasably securing said bucket to said rails, and means for moving said bucket securing means into the path of movement of and to engage said bucket.

2,273,360
LIGHT PENCIL
Frank W. Kidder, Los Angeles, Calif.
Application January 29, 1940, Serial No. 316,093
5 Claims. (Cl. 95—1.1)

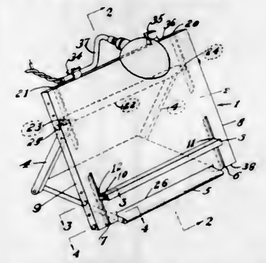
5. A light pencil including a tubular casing, a tube substantially coextensive in length with the casing and adapted to contain a battery, said tube being rotatably mounted within the casing and having an operating member projecting from the rear end thereof, a source of light within

said tube, and an iris adjacent the forward end of the tube and forwardly of said source of light



and controlled as to opening and closing thereof by rotation of said tube.

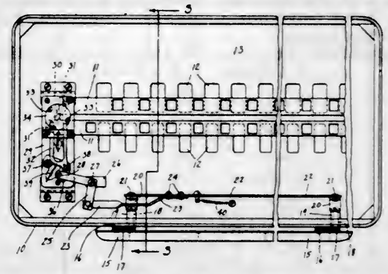
2,273,361
REST OR SUPPORT
Bassil R. Kozloff, Los Angeles, Calif.
Application October 1, 1940, Serial No. 359,226
2 Claims. (Cl. 45—80)



1. In a device of the character disclosed, a back member having front and rear faces, the rear face of said back provided with a pair of spaced-apart substantially parallel slots, a pair of levers received within said slots, means carried by the back for positioning said levers at a selected location within said slots, a transverse piece securing said pair of levers, a pair of arms spacedly secured to said transverse piece, a base member secured to said arms, and means for securing said base to said back member to adjust the angularity of said back member relative to the base.

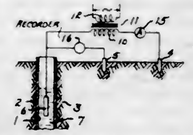
2,273,362
BASS SHIFT BAR FOR ACCORDIONS
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application June 5, 1941, Serial No. 396,653
4 Claims. (Cl. 84—376)

1. In a piano accordion including a bass section box having parallel sliding valves therein operated by a shift mechanism mounted at one end of said box operably connected with and movable to alternately slide said valves in opposite directions, a reciprocating rod mounted within said box to move longitudinally thereof, a bell crank lever operably connecting one end of said rod with said shift mechanism, a manually actuated shift bar mounted exteriorly of said box in parallel relation with said reciprocating rod, and a rocker arm adjacent each end of said bar, each of said rocker arms having a bearing



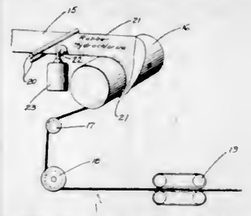
portion extending through the wall of said box with a horizontal arm pivoted to said bar and an upright arm pivoted to said rod.

2,273,363
METHOD FOR ELECTRICAL INVESTIGATION OF CASED DRILL HOLES
Edward Lipson, Houston, Tex.
Application November 28, 1939, Serial No. 307,473
2 Claims. (Cl. 175—182)



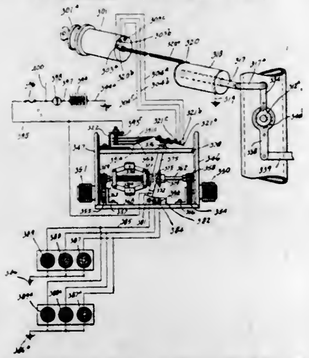
1. A method of determining the location, nature and extent of formations penetrated by a cased bore hole comprising the steps of, successively passing from points within the casing to a point in the earth exteriorly of the casing and in spaced relation with the bore hole an electric current between substantially the limits of 0.2 ampere and 1.0 ampere, and measuring the fluctuations of the potential between the said points within the casing and a point exteriorly thereof but in spaced relation with the well bore and the exterior point of current application.

2,273,364
FILAMENT
Gerald D. Mallory, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 6, 1940, Serial No. 317,512
1 Claim. (Cl. 18—54)



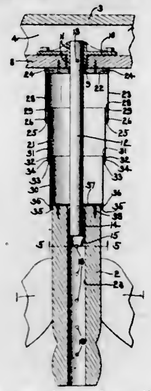
The improvement in the production of filaments from rubber hydrochloride film produced by stretching and rolling or twisting the film, which comprises coating at least a portion of the film with abrasive before twisting or rolling the same.

2,273,365
VEHICLE CONTROL AND SPEED INDICATING SYSTEM
Neel M. McCullough, Anderson, Ind., assignor to Pierce Governor Company, Anderson, Ind., a corporation
Application December 18, 1937, Serial No. 180,497
2 Claims. (Cl. 180—82.1)



1. A selective speed control system for self-propelled vehicles having a device proportionally operable to vehicle speed, and an engine with a fuel supply passage with a valve in said passage, electrically operable means for said valve, a connection between said means and valve, a plurality of parallel circuits for the electrical operable means, a multiple switch structure for said circuits and operable by the device for energizing the electrically operable means at predetermined vehicle speeds, a second multiple switch structure for said parallel circuits, and manually operable means for selectively connecting the electrically operable means to the second multiple switch structure and simultaneously adjusting the connection between the electrically operable means and valve, the amount of adjustment being inverse to the selected speed for selective speed conditioning purposes whereby valve control is proportional to selected speed condition in that valve movement is least at highest selected speed and most at lowest selected speed.

2,273,366
TABLE
Thurlow E. McFall, Sparta, Mich., assignor to Michigan Artcraft Company, Sparta, Mich., a corporation of Michigan
Application February 12, 1940, Serial No. 318,579
5 Claims. (Cl. 311—39)

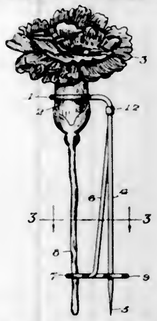


1. A table of the class described comprising, a support having a vertical opening therein, a member slidably and rotatably mounted in said opening, a top secured to said member, a tubular element secured to the lower end of said member, a plurality of spring actuated stops protruding into said opening and vertically spaced therein, said element adapted to rest on one of said stops to hold said top in an elevated position.

2,273,367
INSULATING MATERIAL AND METHOD OF MANUFACTURE
Leonard S. Meyer, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 3, 1938, Serial No. 222,759
5 Claims. (Cl. 18—48)

3. A method of making an insulating material that includes foaming a slurry comprising a calcium sulfate as a foam-stabilizing agent, and an aqueous solution of a formaldehyde-urea reaction product.

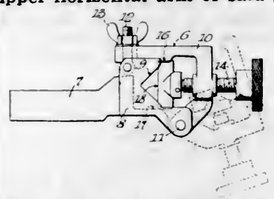
2,273,368
FLOWER HOLDER
John W. Mumford, Philadelphia, Pa.
Application August 20, 1940, Serial No. 353,358
1 Claim. (Cl. 24—6)



A flower holder, comprising an upper looped portion from the rear of which depend integral shank and pin portions, a forwardly extending lower looped portion comprising an integral extension of said shank portion, said looped portions lying in spaced substantially parallel planes, a clasp comprising a rearward integral extension of said lower looped portion, and receiving and releasably retaining the free end of said pin portion, said upper looped portion comprising circumferentially spaced, radially inwardly and abruptly curved portions, adapted to simultaneously pinch into but without mutilating the calyx of a flower or other object extending through the loop, and means to prevent the enlargement of at least one of said looped portions.

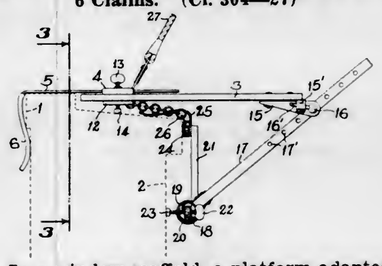
2,273,369
METAL-TURNING-LATHE ATTACHMENT
Pontus W. G. Nielson, Greensboro, N. C.
Application June 24, 1940, Serial No. 342,161
1 Claim. (Cl. 82—39)

A metal-turning-lathe attachment comprising a shank engageable with the ordinary tool post of a lathe, a head rigidly secured to the rear end of said shank, said head having a rearwardly open V-shaped notch and a lower portion projecting rearwardly beyond said notch, an inverted L-shaped yoke cooperable with said head in surrounding the work, the lower end of said yoke being pivoted to said rearwardly projecting lower portion of said head, means for releasably securing the upper end of said yoke upon said head, a screw threaded forwardly through the lower vertical arm of said yoke, and a jaw swiveled on the front end of said screw for coaction with said V-shaped notch in centering and bracing the work, the upper horizontal arm of said yoke be-



ing provided with a guideway with which the upper end of said jaw is permanently engaged slidably, said rearwardly projecting lower portion of said head being provided with a second guideway which is slidably engaged by the lower end of said jaw when said yoke is secured in operative position, said lower end of said jaw being swingable from said second guideway when the yoke, screw and jaw are swung rearwardly from said head.

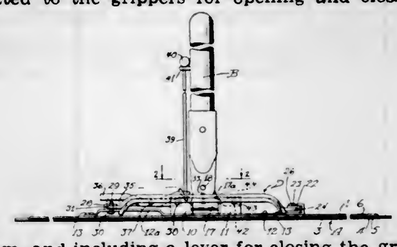
2,273,370
WINDOW SCAFFOLD
James M. Oberti, San Francisco, Calif.
Application June 11, 1941, Serial No. 397,579
6 Claims. (Cl. 304—27)



1. In a window scaffold, a platform adapted to support a window washer, sill-embracing members adjustably secured to the platform, adjustable threaded means extending beneath the inner end of the platform for raising or lowering the said inner end of the platform, inclined supporting members adjustably secured to the outer end of the platform having means at their inner ends for engaging with the side of a wall, whereby the outer end of the platform may be adjustably supported, a sill-engaging structure connected to the inner ends of inclined supporting members for normally maintaining the inner ends of the inclined supporting members in positions whereby the wall-engaging means thereon engages with the side of the wall and the inclined members are held in supporting positions, flexible means secured to the sill-engaging structure and extending through the platform and adapted to be attached to a window washer positioned on the platform.

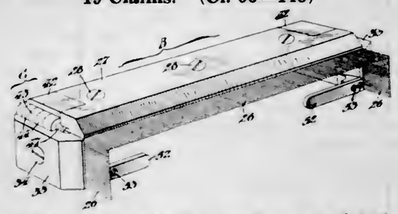
2,273,371
COMBINED FLOOR BRUSH, DUSTER, AND SQUEEGEE
James M. Oberti, San Francisco, Calif.
Application December 20, 1939, Serial No. 310,199
5 Claims. (Cl. 15—231)

5. In a cleaning device, a cleaning member, a cloth having a portion placed under the member and having its ends rolled, a pair of roll-engaging grippers, a toggle joint operatively connected to the grippers for opening and closing



them, and including a lever for closing the grippers and adapted to be actuated by the foot, said lever substantially paralleling the plane of the member when the lever is in closed position.

2,273,372
FABRIC TRANSFER DEVICE AND THE LIKE AND METHOD OF MANIPULATING FABRIC
Robert G. Ohlinger, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application September 2, 1937, Serial No. 162,128
19 Claims. (Cl. 66—148)



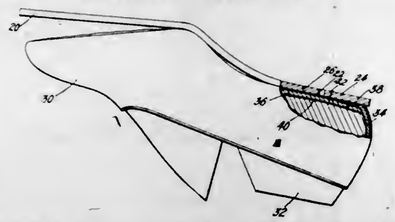
1. A device for use in transferring a full fashioned stocking leg blank from a legger to a footer machine, comprising loop manipulating implements, and means for supporting and manipulating row sections of said implements for receiving instep loops, the inside selvage edges of the heel tabs and free end loops of the heel tabs, said implement row sections including sections movable out of alignment with each other to effect said reception and into alignment with each other providing for the topping of said loops and edges onto needles of the footer machine.

2,273,373
TEXTILE WINDING CORE
Eugene L. Perry, Bloomfield, N. J., assignor to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application August 14, 1940, Serial No. 352,600
16 Claims. (Cl. 242—122)



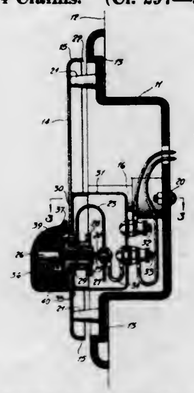
6. A seamless hollow textile winding core comprising fibrous organic material and a binder, said core being dense, moisture-resistant and balanced with respect to its major axis, the wall of the core including inner and outer strata in which a majority of the constituent fibers approximate arcs of concentric circles, and an intermediate stratum whose constituent fibers are indiscriminately oriented.

2,273,374
METHOD OF MAKING SHOES
William W. Prichard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 17, 1938, Serial No. 230,434
6 Claims. (Cl. 12—142)



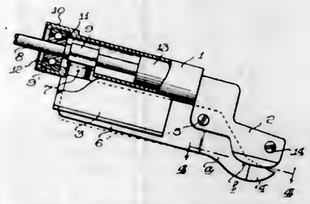
1. That improvement in methods of making shoes which comprises providing an outsole having a frangible connection between its forward and rearward portions rearwardly of the heel breast line of the outsole, positioning the outsole relatively to a shoe bottom, holding the portion of the outsole rearwardly of said connection against bodily movement relatively to the shoe bottom, thereby establishing the relative positions of the outsole and shoe, permanently attaching the outsole to the shoe in the relative positions thus established, and removing the portion of the outsole rearwardly of said frangible connection.

2,273,375
THERMOSTAT
William A. Ray, Glendale, Calif.
Application February 24, 1939, Serial No. 258,253
4 Claims. (Cl. 297—3)



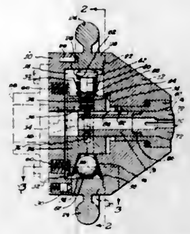
1. In a thermostat: a member made from heat insulating material and adapted to be supported by the aid of a wall; a plate overlying said member and made from material having good heat-conducting properties; a condition-controlling temperature responsive element supported by said plate and between the member and the plate; said plate having an edge inwardly directed toward said member and spaced therefrom, the space between the edge and the member forming a continuous opening clear around said edge; and means forming small contact areas spaced inwardly from said edge for maintaining said plate in said spaced relation; said plate and said member forming a casing for the accommodation of the temperature responsive element; the space between the edge of the plate and the member being small so that the parts beneath the plate are not readily visible, and serving to cause the inner surface of the plate to be in direct communication with the atmosphere.

2,273,376
CUTTING TOOL
William R. Reynolds, Dallas, Tex.
Application May 6, 1940, Serial No. 333,461
6 Claims. (Cl. 30—247)



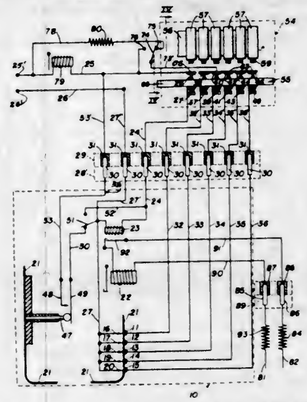
1. A cutting tool including a tubular body having a pair of relatively spaced, parallel stationary blades at its forward end, a movable cutting blade interposed between said first blades and cooperating therewith, said movable blade having a tail portion extending along said body, a power driven shaft extending into said body and cam means carried by said shaft and rotatably engageable with said tail portion to effect movement of said movable blade relative to said stationary blades whereby to remove from the work a strip equalling the width of said movable blade.

2,273,377
MECHANICAL CHUCK
Earl F. Rice, Wyandotte, and Louis E. Zieleck, Allen Park, Mich.
Application March 10, 1941, Serial No. 382,548
11 Claims. (Cl. 279—51)



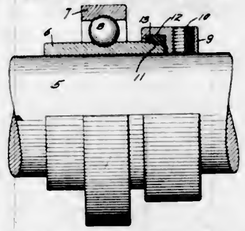
1. In a device of the character described, a pair of members supported one for rotary movement and the other for axial movement, a third member connectible with said second mentioned member to move axially therewith, a second pair of members supported each for radial movement, means operable responsive to said rotary movement of said one member for effectuating said radial movement of said second pair of members, means operable responsive to said radial movement of one of said second pair of members for effectuating said connection of said third member with said second mentioned member, and means operable responsive to said radial movement of the other of said second pair of members for effectuating said axial movement of said connected second mentioned and third members.

2,273,378
TELEGRAPHIC TRANSMITTER SYSTEM
Waldo G. Rice, Chicago, Ill.
Application January 15, 1940, Serial No. 313,807
9 Claims. (Cl. 178—17)



1. In a telegraph system, the combination with means for guiding the traverse of code perforated transmission tape along a predetermined path, of a plurality of pulse circuits arranged to send impulses over a main line, a stop pulse circuit in said main line independent of said first named pulse circuits, and magnetic tape feeding means in said predetermined tape guiding path, said stop pulse circuit being connected to said magnetic feeding means to intermittently advance said tape.

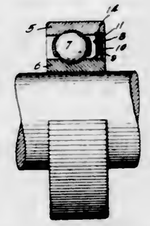
2,273,379
LOCKING MEANS FOR BEARING RINGS
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application December 7, 1938, Serial No. 244,340
6 Claims. (Cl. 287—52)



1. In a locking means for the inner ring of an anti-friction bearing including inner and outer bearing rings with interposed anti-friction bearing members, a locking ring, means for securing the same to a shaft, and an annular rubber ring interposed between said locking ring and said inner bearing ring for resiliently locking said latter rings together.

2,273,380
BEARING SEAL
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application December 7, 1938, Serial No. 244,342
2 Claims. (Cl. 286—5)

1. A seal means for an anti-friction bearing including inner and outer bearing rings with interposed anti-friction bearing members, said outer ring having an annular groove on the inner face thereof, said seal means including an annular disk of yielding material, a pair of annular stiffening disks permanently secured to said annular sealing disk, said stiffening disks being split transversely whereby the same are



rendered contractible, the outer of said stiffening disks extending substantially across the space between said inner and outer bearing rings, the inner of said stiffening disks being narrower than the outer of said stiffening disks, said sealing disk being flexed transversely and engaged with the outer surface of said inner bearing ring, said sealing disk and stiffening disks being unitary and resiliently held in said groove.

2,273,381
CONTROL SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application November 4, 1940, Serial No. 364,269
16 Claims. (Cl. 200—139)



1. In a control switch, a base member of insulating material having a recessed portion in its lower surface, a pair of base plates secured to the bottom of said member, one of said base plates having a depressed portion entering said recess to form a temperature responsive element housing in conjunction with the other base plate, a range adjusting shaft extending centrally downward through said base member and into such housing, a temperature responsive element mounted on said shaft within such housing, means for securing said other base plate to the surface of a pipe or the like to receive heat therefrom by conduction and to transfer such heat by conduction through said plates and by conduction and radiation to said temperature responsive element, a switch on said base member having an actuating element extending into such housing, an operative connection between said temperature responsive element and said actuating element, a cover of insulating material for said switch, said cover being mounted on said base member, said cover having an indicating dial thereon and a knob on said adjusting shaft cooperating with said indicating dial.

2,273,382

PREPARATION OF SYNTHETIC RESINS FROM BIGUANIDE DERIVATIVES AND FORMALDEHYDE

John Kenson Simons, Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio, a corporation of Delaware

No Drawing. Application February 15, 1939, Serial No. 256,535
10 Claims. (Cl. 260—72)

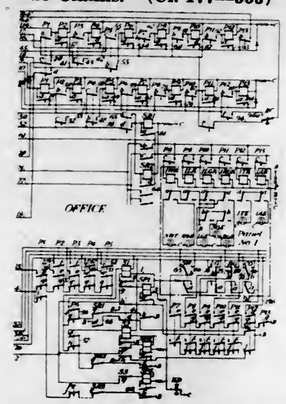
6. An intermediate reaction product of formaldehyde with a substance selected from the group consisting of 1-R-2,4-diimino-1,2,3,4-tetrahydro-1,3,5-triazines and 1-R-2-imino-4-amino-1,2-dihydro-1,3,5-triazines in which R is a radical selected from the group consisting of alkyl-phenyl, alkoxy-phenyl, halo-phenyl and unsubstituted phenyl, capable of conversion by heat into an infusible resin in the presence of an acid.

2,273,383

REMOTE CONTROL SYSTEM

Clarence S. Snavely, Wilkinsburg, and Alfred B. Miller, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 5, 1938, Serial No. 223,287
25 Claims. (Cl. 177—353)



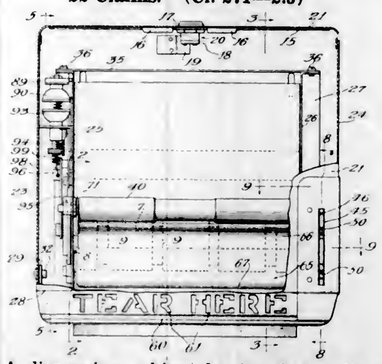
11. In combination, a line circuit connecting a control office and a plurality of stations, a code transmitter at said office operating when initiated to transmit different impulse codes to said stations over said line circuit, a plurality of starting relays at said office, one for each station, a code sending relay for each starting relay, independent means for actuating said starting relays, means controlled by each starting relay for actuating the corresponding code sending relay, means effective when a code sending relay is actuated and the line circuit has been free for at least a brief time interval to initiate said code transmitter, means controlled by each actuated code sending relay for causing the transmitted code to have a distinctive character for selecting the corresponding station, said means being effective when a plurality of code sending relays are actuated to cause the corresponding codes to be transmitted one at a time in order, means restoring each actuated starting relay and code sending relay to normal when the corresponding impulse code is transmitted, and means preventing the actuation of each code sending relay by the corresponding starting relay except when the line circuit has been free for a time interval greater than said brief interval.

2,273,384

CABINET FOR DISPENSING SHEET MATERIAL

Frank G. Steiner, Miami Beach, Fla., and Rudolph G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application March 25, 1940, Serial No. 325,686
22 Claims. (Cl. 271—2.3)



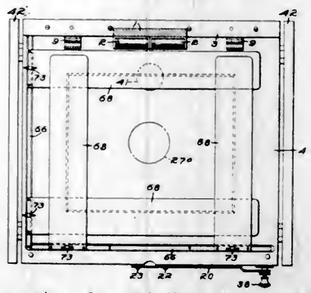
1. A dispensing cabinet having feed rolls and a delivery throat into which the feed rolls deliver the paper, said throat being formed between one of the rolls and a swingable plate, to be made divergent from the meeting point of the rolls to a point at which the paper is made accessible to the user, when the plate is swung away from one of the rolls by the introduction of the fingers into the throat.

2,273,385

MASKING MEANS

Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Original application February 18, 1939, Serial No. 256,018. Divided and this application August 28, 1940, Serial No. 354,554
3 Claims. (Cl. 95—77)



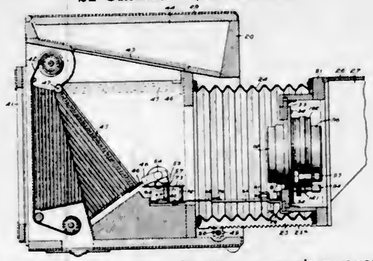
1. Apparatus for printing for photographic purposes from negative, comprising a housing or enclosure having illuminating means and a top adapted to have secured thereto at one edge the platen means, a glass-like plate upon said top to receive the negative and sensitized paper, said top having formed therein, and terminating flush with the surface of said top, grooves adjacent to and parallel with two edges of said plate which are at substantially right angles to each other, removable channel bars, substantially U-shaped in cross section, in said grooves respectively for receiving each two masking blades or members, the latter each having at one end thereof guide shoes adapted to be received directly in the said channel bars, and means carried by said blades and co-acting with said guide shoes to tighten the said blades in said channel bars by expanding said guide shoes against opposite walls of said channel bars or to loosen them therein for removal therefrom or adjustment therealong, said means carried by each of said blades including a screw extending through the blade, and a nut-like member carried by said screw and having a tapered surface to engage the said guide shoe and expand the same against said channel walls, the said blades with such securing and adjusting means and said channel bars being readily removable from the said top, thereby leaving the latter flush and entirely unobstructed.

2,273,386

MIRROR AND DIAPHRAGM RELEASE MEANS FOR REFLEX CAMERAS

Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Original application January 12, 1940, Serial No. 313,534, now Patent No. 2,236,925, dated April 1, 1941. Divided and this application February 1, 1941, Serial No. 377,035
21 Claims. (Cl. 95—42)



1. A reflex camera having a casing provided with a movable mirror, a lens board having a lens and having a diaphragm provided with means whereby it may be widely opened for focusing and be automatically stopped down to a predetermined smaller opening just prior to exposure, a member **37** constituting both a mirror-release member and a diaphragm-release member, a train of operating connections between said member **37** and both said mirror and said diaphragm for releasing them, there being included in said train of operating connections means for varying the timing action of said member with respect to its release of the mirror and its release of said diaphragm through said connections, such means for varying said timing action including an element in the said train of operating means with means to vary the position of said element and thereby to change the timing relation of the release of the mirror and the release of the diaphragm.

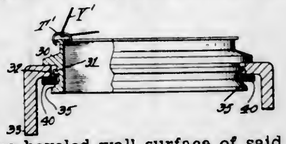
2,273,387

SECURING DEVICE FOR SPINNING OR TWISTING RINGS

Henry B. Stuart, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application June 3, 1941, Serial No. 396,425
1 Claim. (Cl. 57—122)

In a spinning or twisting frame, a ring rail having a circular opening therein, a ring supported on said ring rail and having an associated depending annular portion extending downward through said ring rail opening and loosely fitting said opening laterally, said depending annular portion being recessed below said ring rail and having a beveled surface forming the lower end wall of said recess, and a split resilient annular securing device encircling said downwardly extended portion and positioned in said recess, said securing device having a lower inner corner en-



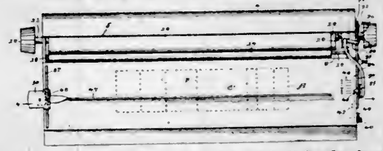
gaging the beveled wall surface of said depending annular portion and having a beveled upper surface engaging the lower edge of said opening in said ring rail, whereby said ring and securing device are firmly held in said ring rail, and whereby said securing device yieldingly centers said ring in said securing device, and whereby said securing device self-centers itself and said ring in said opening.

2,273,388

COPYHOLDER

Charles W. Stevens, Kearney, Nebr.

Application July 16, 1941, Serial No. 402,681
4 Claims. (Cl. 120—32)



1. In a copyholder, an elongated body including end walls, said body having an opening along the length thereof for copy to show through, a feed roller including trunnions journaled in the end walls, knobs secured to the trunnions, a pressure roller for holding a copy sheet against the feed roller, means for rotating the feed roller in a step by step movement and including a manually operated lever, a lug formed on the lever, a strip member secured to the outer face of one end wall for adjustment along the length of the upper edge thereof, an abutment lug formed on the strip member and disposed in the path of the first lug to limit the throw of the lever, threaded means for adjusting the strip member, a top wall included in the body, said top wall having numbered graduations thereon, and a pointer carried by the strip member for cooperation with the graduations to indicate the adjustment of the strip member.

2,273,389

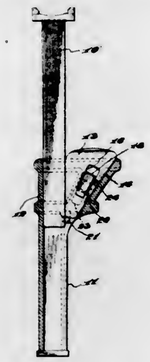
TWO-PART MINE STANCHION

Heinrich Toussaint, Berlin, Karl Maria Groetschel, Bochum, and Karl Theodor Jasper, Essen, Germany, said Groetschel and said Jasper assignors to said Toussaint and Bochumer Eisenhutte Heintzmann & Co., Bochum, Germany

Application September 28, 1939, Serial No. 297,008
In Germany September 22, 1938
4 Claims. (Cl. 248—354)

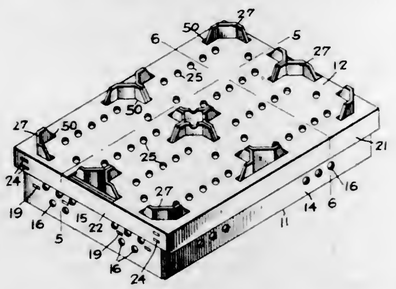
1. In a two-part metallic mine stanchion of the type including a lower stemple, and an upper stemple slidably mounted in said lower stemple, the improvement which consists in means for

clamping said upper stemple in place in said lower stemple, comprising a wedge-shaped pocket on the upper end of said lower stemple, a longitudinal wedge vertically guided in said pocket, the inner face of said wedge cooperating with the adjacent face of said upper stemple, the angle of



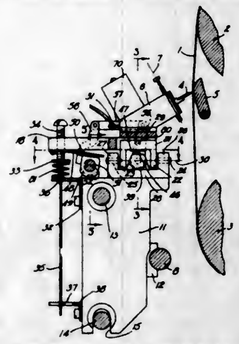
the inclined opposite face of said wedge being less than the angle of inclination of said pocket whereby said upper stemple is normally released, and means extending transversely through the wall of said pocket and said longitudinal wedge for clamping said wedge in place in clamping engagement with said upper stemple.

2,273,390
CHICK BOX
Robert H. Warren, Mount Wolf, Pa., assignor to Superior Paper Products Company, Pittsburgh, Pa., a corporation of Delaware
Application October 25, 1939, Serial No. 301,105
3 Claims. (Cl. 229—6)



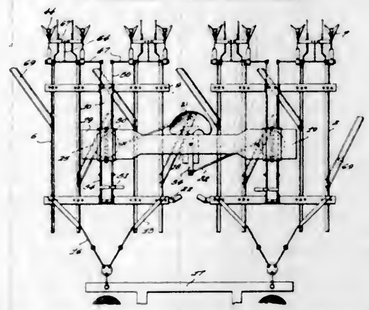
1. In a shipping box of the class described, the combination with a box formed of corrugated fibreboard and having a rectangular bottom with square corners, sides, and a rectangular removable cover, of a plurality of vertical insert members arranged within the box and dividing the interior thereof into a plurality of compartments, each of said insert members comprising a sheet of corrugated fibreboard open at the top and bottom and of continuous loop form, each insert member having an oblique wall at each corner thereof, all of said oblique corner portions extending upwardly through apertures in said cover, thereby to provide a plurality of compartments within the box, each compartment having eight side walls.

2,273,391
APPARATUS FOR REPRODUCING AND RECORDING SOUND
Simon Yerkovich, Los Angeles, Calif., assignor to United Acoustigraph Corporation, Los Angeles, Calif., a corporation of Nevada
Application June 19, 1939, Serial No. 279,849
11 Claims. (Cl. 274—1)



4. In a device of the character described, a stylus structure adapted for recording and for reproducing impulses in connection with a surface of a record member, and a mounting for the structure, comprising a carriage movable parallel with said surface, a supporting means for said structure, means mounting said supporting means on said carriage including a pivot mounting said supporting means on an axis parallel to said surface, as well as a pivot mounting said supporting means on an axis transverse to said surface, a coil spring urging the supporting means toward the surface, and a bar spring arranged between the supporting means and the carriage, and exerting a centralizing force on the structure with respect to the transverse axis.

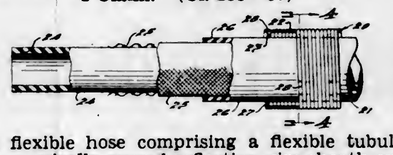
2,273,392
MULTIPLE GANG CULTIVATOR
Samuel W. Coker, Colorado, Tex., assignor of one-half to Robert F. Singleton, Dallas, Tex.
Application September 21, 1939, Serial No. 295,971
8 Claims. (Cl. 97—143)



1. An agricultural implement including coacting cultivator sections, a seat bar connecting said sections, relatively stationary and movable disks mounted on the cultivator sections, a saddle member pivotally mounted for lateral tilting movement on each stationary disk and slidably receiving the adjacent end of the seat bar, rollers carried by the saddle members and bearing against the lower surface of the seat bar, a perforated plate secured to the seat bar between the

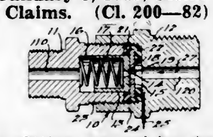
cultivator sections, a shifting lever pivotally mounted on said plate and provided with perforations adapted to register with the perforations in said plate, rods forming a connection between the stationary disks and the opposite ends of the shifting lever, and a locking pin adapted to enter registering perforations in the plate and shifting lever respectively for holding the shifting lever in a set position.

2,273,393
HEAT SHIELDED FLEXIBLE HOSE
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware
Application July 18, 1940, Serial No. 346,074
1 Claim. (Cl. 138—60)



A flexible hose comprising a flexible tubular core, a spirally wound reflective wire sheath over said tubular core and spaced substantially uniformly therefrom, the said spiral sheath having deformations formed therein at intervals thereareound and therealong for maintaining said sheath in spaced relationship to the said flexible tubular core.

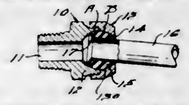
2,273,394
ALARM FITTING
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware
Application January 3, 1941, Serial No. 373,043
2 Claims. (Cl. 200—82)



1. An alarm fitting comprising two oppositely disposed interconnected coupling members each having a longitudinal passage therethrough, one coupling member being externally threaded and having a cylinder formed therein communicating with the longitudinal bore therethrough, a piston reciprocatingly fitted in said cylinder having an orifice in the head thereof, the other coupling member being internally threaded to accommodate the first-mentioned coupling member, a contact member fitted in insulated relationship within said second-mentioned coupling member including an electrical lead therefrom insulated with respect to the said second coupling member, the said contact member being disposed to be contacted by said piston, spring means normally urging said piston into contact with said contact member, the compressive strength of said spring means and the size of the orifice through said piston being such as to establish a pre-determined pressure flow through said fitting required to separate said contact and said piston therefor.

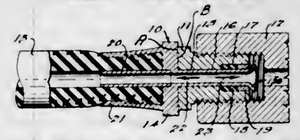
2,273,395
UNIVERSAL TUBING FITTING
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware
Application January 31, 1941, Serial No. 376,736
2 Claims. (Cl. 285—90)

1. A flexible connection for flared end tubing comprising a coupling member and nut each bored and semi-spherically counterbored to form when threaded together a spherical socket which accommodates the flared end of a flared end tubing, and a resilient annular washer telescoped over



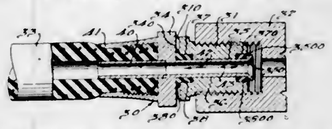
said tubing pressed within said spherical socket in sealed relationship between the flared end of said tubing and said socket forming a resilient ball member which provides for flexing of the said tubing with respect to the said coupling member.

2,273,396
SWIVEL HOSE FITTING
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware
Application April 5, 1941, Serial No. 386,979
1 Claim. (Cl. 285—97.5)



In a swivel coupling including a coupling member composed of a tubular stem, a nut having an axial bore therein telescoped over said tubular stem, the said nut having a counterbore therein at one end thereof, and a deformable annular gasket in said counterbore, means for sealing against alternate internal pressure and vacuum comprising an annular sleeve telescopingly mounted in said counterbore contacting the said annular gasket and extending axially outward from the counterbored end of said nut, and means for holding said coupling member, nut, annular gasket and annular sleeve in assembled relationship simultaneously with initial deformation of the said annular gasket within said counterbore.

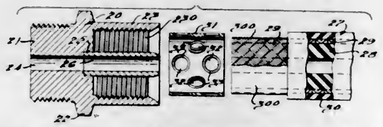
2,273,397
SWIVEL HOSE FITTING
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, a corporation of Delaware
Application April 5, 1941, Serial No. 386,980
3 Claims. (Cl. 285—97.5)



1. In a swivel coupling including a coupling member having a tubular stem, a nut having an axial bore therein telescoped over said tubular stem, said nut having a counterbore in the end thereof adjacent the coupling member, said coupling member and said nut having oppositely disposed annular faces, an annular radially flanged gasket disposed in said counterbore and having its radial flange extending between said annular faces, the annular portion of said gasket being slightly longer than the depth of the counterbore in said nut, and means for holding said nut and annular radially flanged gasket in assembled relationship with respect to said cou-

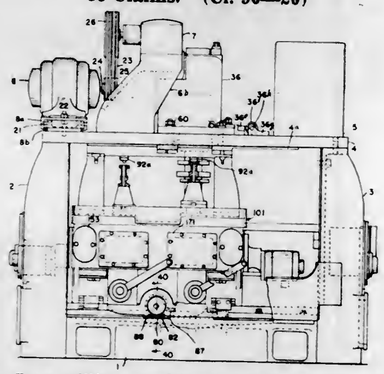
pling member simultaneously with initial deformation of said annular gasket within said counterbore.

2,273,398
FLEXIBLE HOSE COUPLING
Norman M. Couty and William F. Corley, Detroit, Mich., assignors to The Flex-O-Tube Company, a corporation of Delaware
Application May 2, 1941, Serial No. 391,520
1 Claim. (Cl. 285—84)



In a reinforced flexible hose having an outer layer of rubber, neoprene or the like over the reinforcement thereof and having the said outer layer cut-away near the end of the said hose leaving a thin protective layer over said reinforcement and a coupling member including an internally deformed cupped portion and a fluid pass stem disposed axially therein and substantially coextensive of said deformed cupped portion, means for securing said coupling member to said hose comprising an apertured retainer ring positioned over said cut-away end of said reinforced flexible hose, the said cut-away end of said hose and said retainer ring being telescoped within the said cupped portion of said coupling member and over said fluid pass stem thereof, and the said cupped portion of said coupling member being compressed sufficiently with respect to said retainer ring and fluid pass stem whereby to grip said retainer ring and force said reinforcement and protective layer thereover in anchored relationship with respect to the said retainer ring within the apertures thereof.

2,273,399
MACHINE TOOL
Charles B. De Vlieg, Detroit, Mich., assignor to National Broach and Machine Company, Inc., Detroit, Mich., a corporation of Michigan
Application November 21, 1938, Serial No. 241,667
59 Claims. (Cl. 90—20)



1. In a milling machine in combination, a base, a pair of closely spaced tool supports disposed above and carried by said base, a work table reciprocably mounted on said base and in operative relation to said tool supports, means to support a piece of work on said work table including means to rotate said work piece, means to steady the free end of the work piece including a bar member disposed above and parallel to said table, means carried by said table for supporting said bar member, said bar member adapted to pass between said tool supports, and means carried by the work table for axially moving said means to support a work piece whereby said work piece may be brought into engagement with the means to steady the free end of said work piece, and means to relatively reciprocate said work table and tool supports selectively at feed and traverse rates whereby said work piece and cutters may be moved relatively of each other.

36. A method of circular milling which includes rapid traversing a non-rotating work piece toward a pair of laterally displaced constantly rotating cutters, then feeding said work piece into said cutters in straight line relation until the axes of the work piece and cutters lie in the same plane and arresting said feeding of the work piece, then rotating said work piece to finish cut said work piece and then rapid traversing said work piece away from the cutter.

2,273,400
PORTABLE DUCT-PROJECTING TOOL
William J. Du Pont, Toledo, Ohio
Application May 13, 1940, Serial No. 334,853
3 Claims. (Cl. 221—51)

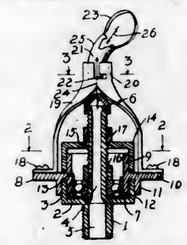


1. A portable tool embodying a reservoir, a reservoir directing grip, a pump operating handle on the grip, an arm extending from the grip and provided with a duct in communication with the reservoir, an additional arm with a duct therealong, a coupling between the arms, and an electrical insulation duct connection between the duct of the arm from the grip and the duct of the additional arm, whereby the latter arm may be definitely positioned from the grip.

2,273,401
SPRINKLER HEAD
Francesco Ferrando and Giuseppe Ferrando, Menlo Park, Calif.
Application October 30, 1940, Serial No. 363,510
2 Claims. (Cl. 299—126)

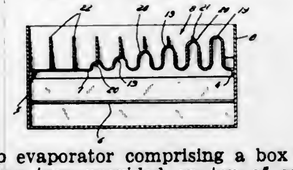
1. A device of the character described comprising, a base member including a liquid discharge nozzle and an annular chamber encompassing the nozzle, ball-bearings seated in the chamber in concentric relation to the nozzle, a tubular member seated on the ball-bearings in the chamber and having an outwardly directed flange extending over the top wall of the chamber, said flange having a depending flange

formed thereon to closely encompass the outer surface of the chamber wall, a cover mounted on the tubular member to exclude liquid therefrom, a bracket mounted on the first named flange of the tubular member provided with a



tubular portion disposed in spaced and axial alignment with the discharge end of the nozzle, and a spray forming element removably mounted on the said tubular portion in direct communication with said nozzle.

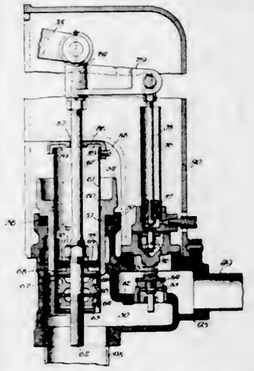
2,273,402
SIRUP EVAPORATOR
Sidney P. Hayes, West Valley, N. Y.
Application November 23, 1940, Serial No. 366,934
1 Claim. (Cl. 159—38)



A sirup evaporator comprising a box and an evaporating tray provided on top of said box, said tray embodying a wall common to the tray and said box and having a corrugated section and a relatively flat section; inlet means for said tray at one corner thereof, and outlet means for said tray at a corner diagonal to said inlet means; and the corrugated section of said wall embodying ribs extending inwardly from one end of said tray and terminating short of the opposite end of said tray, and intermediate ribs extending inwardly from said opposite end of the tray and terminating short of the first named end of said tray; said ribs co-acting to provide a sinuous passage for the juice entering the tray at the inlet thereof and flowing over said wall to the outlet of said tray, said ribs progressively decreasing in height as the ribs approach the flat section of said wall, and fins rising from the crests of said ribs and the flat section of said wall with the upper edges of all of said fins being in the same horizontal plane.

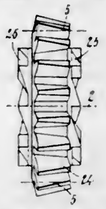
2,273,403
PUMP CONSTRUCTION
William Horace Hazard, Dubuque, Iowa, assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa, a corporation of Iowa
Application October 30, 1939, Serial No. 301,874
1 Claim. (Cl. 103—221)

In combination with a deep well pump, a casing having a water discharge chamber therein, a differential cylinder mounted in said casing having a drain opening in the wall thereof, a piston in said cylinder, a removable splash ring spaced apart from the piston head in engagement with the walls of the cylinder and to move with the piston head whereby a water receiving chamber is formed above the piston head, the water receiving chamber above the piston head



coming into register with the opening in the cylinder wall only at the top of the upstroke of the piston.

2,273,404
VARIABLE VELOCITY RATIO GEARING
Francis Jeremiah Healey, Surbiton, England
Application April 22, 1940, Serial No. 331,029
In Great Britain February 20, 1939
7 Claims. (Cl. 74—348)

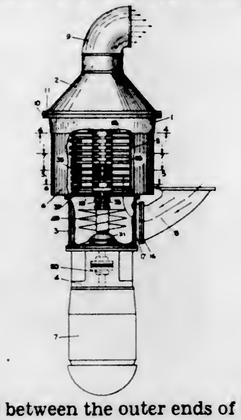


1. Variable velocity ratio gearing comprising a plurality of conical toothed wheels of different diameter arranged adjacent to one another on a common axis and together forming a composite member of substantially the form of a toothed cone, the teeth on the conical toothed wheels being spur teeth the actual pitch lines of which are parallel with the axis of rotation of the cone, and a displaceable toothed wheel mounted on a shaft arranged substantially parallel with the generating line of the cone so as to be capable of being moved in an axial direction to engage one or other of the conical toothed wheels in order to secure a driving connection at one or other of a plurality of velocity ratios.

2,273,405
DISINTEGRATOR
Charles J. P. Hoehn, San Francisco, Calif., assignor to Enterprise Foundry Corporation, San Francisco, Calif., a corporation of Nevada
Application August 19, 1938, Serial No. 225,739
7 Claims. (Cl. 83—11)

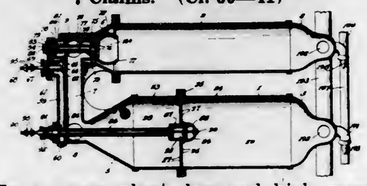
1. In a disintegrator of the character described, a rotor including a shaft having a series of substantially radially disposed hammers extending therefrom, a screen surrounding said rotor, a casing surrounding the screen, means for feeding material to one end of the rotor, a breaker ring surrounding the hammers adjacent the feed end of the rotor only provided with a series of in-

wardly projecting jaws for pre-breaking the entering material, and normally fixed comb teeth



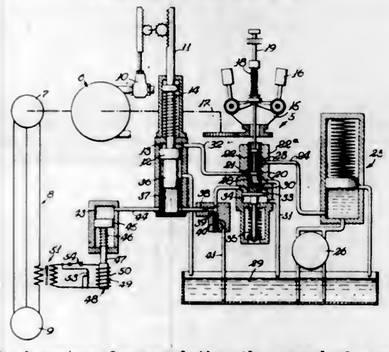
interleaved between the outer ends of the remaining hammers.

2,273,406
POWER PLANT
Robert E. Lasley, Waukegan, Ill.
Application December 15, 1938, Serial No. 245,966
7 Claims. (Cl. 60—41)



1. In a power plant, low and high pressure cylinders, a perforated partition in the low pressure cylinder dividing the same into a front combustion chamber and a rear air chamber, a duct connecting the rear ends of said cylinders for passage of air from the low pressure cylinder into the high pressure cylinder, means for delivering air under low pressure into said cylinders through end portions of said duct, a fuel passage extending longitudinally of said duct, a valve for controlling flow of fuel from said passage into said duct adjacent the high pressure cylinder having an outwardly extending stem, the valve when opened admitting fuel into the duct to mix with air therein and form a rich fuel mixture, a valve mounted through said partition and having a fuel tube extending to said fuel passage and a valve stem extending through said tube and projecting from the fuel passage, means for simultaneously actuating said valves to open the same for delivery of fuel into the front combustion chamber of the low pressure cylinder to mix with air and form a combustible mixture and into said duct adjacent the high pressure cylinder to mix with air and form a rich fuel mixture, means for exploding the combustible mixture in the front chamber of the low pressure cylinder and create force to act upon air in its rear chamber and drive air and fuel through the duct and into the high pressure cylinder to mix with air therein and form a combustible mixture under high pressure, a check valve between the high pressure cylinder and the duct opening towards the high pressure cylinder and having a nozzle for directing air and fuel passing into the cylinder, means to explode the combustible mixture in the high pressure cylinder, a turbine, and means for delivering products of combustion from the cylinders to the turbine to rotate the rotor thereof.

2,273,407
SPEED REGULATING SYSTEM
Edgar D. Lilja, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application June 19, 1940, Serial No. 341,264
9 Claims. (Cl. 290—40)

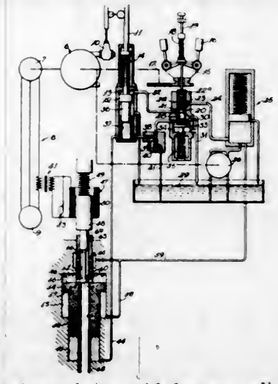


1. A system for regulating the speed of a prime mover driving an electric generator having, in combination, an hydraulic servo motor regulating the speed of said prime mover, a source of pressure fluid, a pilot valve controlling the flow of said fluid to and from said servo motor and including two axially movable valve elements, flyballs driven in unison with said prime mover and modulating one of said valve elements in accordance with speed changes, interconnected cylinders filled with fluid and connected to a body of fluid through a leak valve, a transmitting piston in one of said cylinders actuated by said servo motor, a receiving piston in the other cylinder connected to said other valve element to produce a compensating action, a third fluid filled cylinder communicating with said first mentioned cylinders and having a piston urged in a direction to vary the pressure in the cylinders, and an electric actuator constantly but variably energized from the network supplied by said genciprocably mounted on said base and in operpiston in accordance with load variations.

2,273,408
SPEED REGULATING SYSTEM
Elmer E. Woodward, deceased, late of Rockford, Ill., by Walter T. Woodward, administrator, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application May 19, 1941, Serial No. 394,109
4 Claims. (Cl. 264—7)

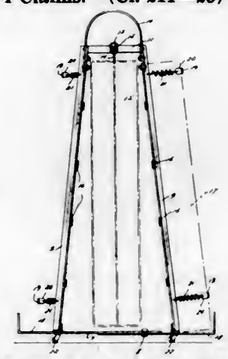
2. The combination with a prime mover of a governor operable in unison with and controlling the speed of said prime mover, an hydraulic system associated with said governor to produce a compensating action in response to speed adjustments, two cylinders of different diameters disposed end to end, connected pistons slidable in said cylinders and having a passage extending through the two cylinders and providing a valve chamber communicating with the outer end of the larger cylinder and a drain outlet at the other end, means connecting the smaller cylinder

to said hydraulic system, means applying a substantially constant fluid pressure to the inner end of the larger cylinder, a valve member in said chamber regulating the flow of pressure



fluid therefrom into said larger cylinder, and means operable automatically to vary the position of said valve member in accordance with load changes on said prime mover.

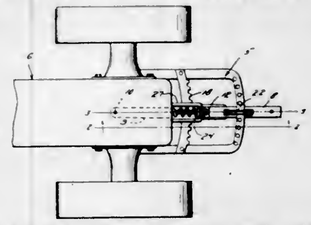
2,273,409
DISPLAY RACK
Hyman Livingston, Santa Fe, N. Mex.
Application April 1, 1941, Serial No. 386,344
4 Claims. (Cl. 211—28)



1. In a display stand, a base frame, pairs of uprights rising from said frame, means for connecting said pairs of uprights, means coacting with said first means, the uprights, and the frame in the support of mattresses, and means supported by said uprights for slidably supporting a bed spring between said mattresses whereby the bed spring may be moved from between the mattresses for display.

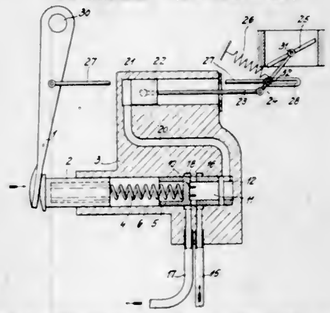
2,273,410
DRAW BAR
John Lux, Chinook, Mont.
Application July 11, 1941, Serial No. 402,031
5 Claims. (Cl. 280—33.44)

1. In a draw bar, a draw-bar guide, a draw bar adapted to be pivotally mounted for lateral swinging movement relative to said guide, said draw bar embodying a pair of complemental sections having ends arranged in overlapping sliding relation, with one of the sections being movable longitudinally relative to the other section of the draw bar, an arcuate rack bar fixedly mounted on and extending transversely of said guide, and the first-named draw bar section having the end thereof lapping the second-named draw bar section provided with teeth to engage the teeth of the rack bar to secure said draw bar



against lateral swinging movement relative to the guide, and interengaging means on the draw bar sections for securing said sections against longitudinal movement relative to one another, and for securing the first-named section in either a position with the teeth thereof engaged with said rack bar or in a position with the teeth thereof disengaged from said rack bar, optionally.

2,273,411
DEVICE FOR REGULATING THE FUEL ADMISSION OF INTERNAL COMBUSTION ENGINES
Karl Maybach, Friedrichshafen, Bodensee, Germany
Application January 12, 1940, Serial No. 313,621
In Germany January 13, 1939
11 Claims. (Cl. 123—103)

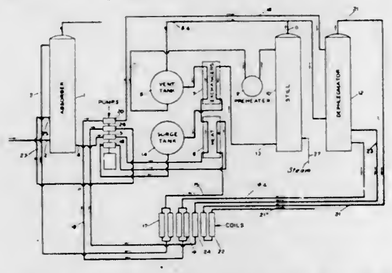


1. In a device of the kind described in combination hydraulic means for regulating the fuel admission of a motor, mechanical means for the same purpose, and a lost motion connection between said means adapted to allow full admission by said hydraulic means and partial admission only by said mechanical means.

2,273,412
METHOD OF RECOVERING HYDROCARBONS
Gerald W. McCullough, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 26, 1938, Serial No. 231,820
1 Claim. (Cl. 196—8)

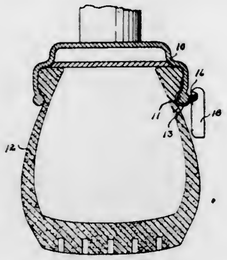
In the process of extracting heavier constituents from a mixture of gases by selective absorption, the combination of steps comprising introducing absorbent oil to an absorber, contacting the gas with the absorbent oil therein, steam distilling the resulting enriched absorbent

oil, passing the vaporous effluent of the distilling step in contact with water to dephlegmate the same to condense fractions having boiling points higher than water, separating the resulting con-



densate of the dephlegmating step from the water and passing the condensate to the absorber at a point below that at which the absorbent oil is introduced.

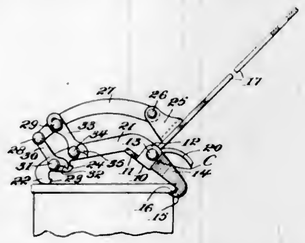
2,273,413
UNDERINFLATED TIRE WARNING DEVICE
William E. McCulloch, Des Moines, Iowa
Application December 29, 1939, Serial No. 311,581
2 Claims. (Cl. 116—34)



1. In combination with a wheel rim and pneumatic tire therein, a warning device comprising, a spring member capable of making a clicking sound when flexed, a bracket having one end detachably secured to the rim of said wheel and its other end rigidly secured to one end of said spring member; said spring member extending radially outwardly from said wheel rim and adjacent a portion of the side wall of said tire, and a housing loosely embracing all of said spring member hinged to said bracket in one of its end portions and having one of its sides extending between said spring member and the side wall of said pneumatic tire; said housing extending radially outwardly from said rim and capable of being engaged by the side wall of said tire near its free end at times and thereby move to engage and flex said spring.

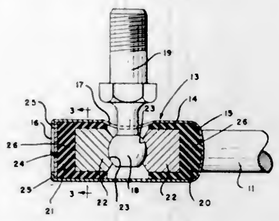
2,273,414
CAN OPENER
Matthew H. Meade, North Wilkesboro, N. C.
Application April 24, 1941, Serial No. 390,183
4 Claims. (Cl. 30—16)

1. In a can opening device, a clamp member having spaced apart can gripping jaws, a clamping arm having a gripping jaw on its outer end, a pivot connecting the inner end of the clamping arm with the said clamping member, an operating lever connected to the said pivot, means yieldingly urging the said clamping elements to contracted gripping positions, a cutter formed on and projecting from the operating lever, a



cutter pivotally mounted on the clamping arm, and a bar connecting the last-mentioned cutter with the lever whereby the said lever is operable to simultaneously actuate the cutters for puncturing the can end at diametrically opposed points.

2,273,415
ROD ASSEMBLY
John M. Nickelsen, Ann Arbor, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application June 24, 1940, Serial No. 342,154
3 Claims. (Cl. 287—90)



1. A rod assembly comprising, a member having a housing provided with an opening through one side wall, a connecting member extending into the housing through said opening and having a spherically-shaped head portion of less diameter than the opening in the side wall of the housing to enable the head to be inserted into said housing through said opening, cylindrical metal bearing blocks positioned in the housing at opposite sides of the head and having spherically-shaped recesses in adjacent ends cooperating with each other to provide a bearing engaging said head, a cup-shaped retainer for each bearing block formed of a resilient material, and means for securing the retainers in said housing under compression whereby the said retainers cooperate with one another to urge the bearing blocks into frictional engagement with the head of said connecting member.

2,273,416
GOLF INSTRUCTION DEVICE
Joseph W. Norwood, Los Angeles, Calif.
Application July 3, 1939, Serial No. 282,683
4 Claims. (Cl. 273—35)

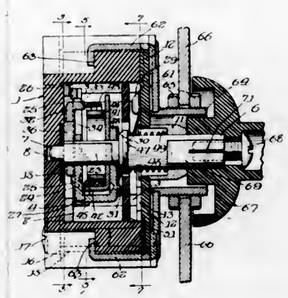
1. A golf instruction device comprising an arm

band, club retaining means secured to said arm band, said club retaining means including a ta-



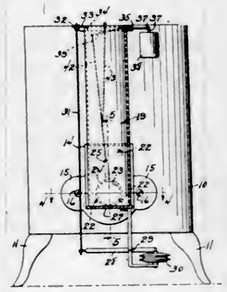
pered club retaining member and a finger gripping spacer.

2,273,417
SWITCH
Thomas L. Parker, Chicago, Ill., assignor to The Standard Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 284,602
7 Claims. (Cl. 200—66)



1. In a multi-position switch mechanism, the combination of a body member having a bore therein, a ring positioned in the bottom of said bore and rigidly secured to the body member, a shaft positioned in said bore, a plate pivotally carried on said shaft and partially overlying said ring, cooperating means on said ring and plate for aligning the same relative one another at each position of the switch, an actuating arm rigidly carried by said shaft and operatively connected to said plate, a contact within said bore adjacent the mouth thereof carried by said plate, fixed contacts positioned adjacent the mouth of said bore and extending laterally therein engageable with the contact on said plate, a locking member engageable with said plate and ring, means carried by said shaft for drawing said locking member out of engagement with said ring, a plate positioned across the mouth of said bore and having a sleeve thereon through which said shaft extends, the latter having a flange positioned inwardly from said sleeve, a compression spring, the ends of which engage said flange and sleeve to maintain said mechanism in operating position, and means for maintaining said plate in operative position relative said body member.

2,273,418
THERMOSTAT WAFER CONTROL FOR WOOD STOVES
Charles C. Prince, Bostic, N. C.
Application March 17, 1941, Serial No. 383,864
2 Claims. (Cl. 236—95)

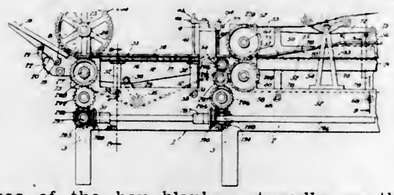


1. The combination with a wood burning stove having a sheet metal wall provided with a draft opening near the bottom, of a down draft flue opening at the top at substantially the top of the stove and extending down along the wall of the stove to a point below the draft opening for conducting air from above the stove to said draft opening, means securing the flue to the wall of the stove, said flue being closed at the bottom, a thermostat wafer connected to the bottom of the flue and disposed below and in front of the fire box of the stove so as not to be directly influenced by the fire, a horizontally disposed lever pivoted between its ends below the flue and connected at one end to the wafer to be rocked thereby, a horizontally disposed lever pivoted to the top of the flue and extending at both ends beyond the flue, a vertically disposed rod adjustably connected at the upper end to the second named lever and connected at the lower end to the first named lever, a wire rod pivoted in the upper end of the flue and connected to the second named lever, a weight detachably connected to one end of the wire rod, a chain connected to the other end of the wire rod, a vertical damper controlling said draft opening connected to said chain, and a second chain connected to the first named chain to operate the damper independently of the thermostat to eliminate smoke while the thermostat has the damper cut off, said weight opening the damper when the thermostat wafer contracts and holding the damper in proper place to be unaffected by velocity of air currents or other causes than the temperature of the room to be heated, removal of the weight permitting of the fire to smoulder when so desired even after the temperature of the room has dropped low enough for the thermostat to allow the weight to open the damper.

2,273,419
MEANS FOR BREAKING THE FOUR SCORED CORNERS OF COLLAPSIBLE PAPER BOXES
George Seifert, Beverly Hills Township, Los Angeles County, Calif.
Application December 6, 1939, Serial No. 307,855
11 Claims. (Cl. 93—49)

1. A corner breaking machine as disclosed comprising means for bending the sides of the

box blanks, and means for folding the ends of the box blanks and for folding the uncut corner



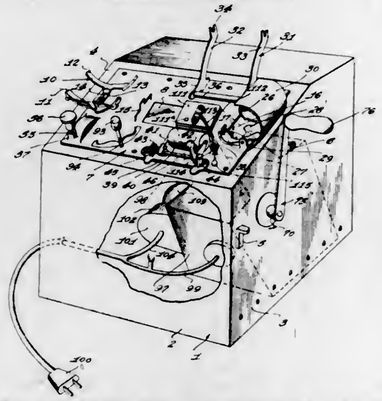
areas of the box blanks outwardly on their diagonal scores.

2,273,420
CENTRIFUGAL PUMP
Rudolph D. Schott, Pomona, Calif., assignor to Pomona Pump Co., Pomona, Calif., a corporation of Delaware
Application February 17, 1941, Serial No. 379,182
6 Claims. (Cl. 103—103)



1. In a pump of the class described, including an impeller, and a bowl member having a plurality of vanes defining flow passages operative to change the direction of flow of the fluid induced in the fluid by the impeller wherein the advanced ends of the vanes have a bulbous form.

2,273,421
CONTACT PRINTER
Guy W. Staley, Robbinsdale, Minn., assignor of fifty per cent to Peter Hauenstein, Minneapolis, Minn.
Application January 8, 1940, Serial No. 313,001
17 Claims. (Cl. 95—75)



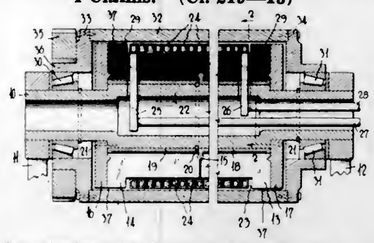
1. In a contact printer, a cabinet, illuminating means in the cabinet and having an opening, a frame carried by the cabinet and having a transparent pane confronting the opening, means carried by the frame for supporting a roll of film to be exposed, means for engaging an end of said roll of film and shifting said roll across the surface of the frame above the transparent pane, means carried by the frame for supporting a roll of sensitized paper, means carried by the frame and engageable with the end of the last-mentioned roll for drawing said paper across the surface of the frame and above the transparent pane and film, means for forcing the sensitized paper and film against the pane and defining a backing for said paper whereby the printing of an exposure on the film upon the paper will take place upon illumination of the illuminating means, and means on the frame and movable to one position for operating both said third and fifth mentioned means whereby the film and sensitized paper will be simultaneously shifted above the pane, said last-mentioned means being movable to other positions for shifting either the film or the sensitized paper above the pane.

2,273,422
BEVERAGE FILTER
Max H. Schroeder, Rockville Centre, N. Y.
Application June 28, 1940, Serial No. 343,043
5 Claims. (Cl. 210—160)



2. A device for use in the preparation of beverage extracts comprising, a rigid, impervious, self-supporting, disposable receptacle substantially in the form of an inverted cone having a drain aperture only at the apex thereof, a lining of imperforate filtering material covering substantially all of the interior of said receptacle and extending across said drain aperture, and means permanently connecting said receptacle and lining for unitary use and disposal, said lining being characterized by lack of rigidity when wet.

2,273,423
ELECTRICALLY HEATED ROLL
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application June 23, 1939, Serial No. 280,798
4 Claims. (Cl. 219—13)



1. An electrically heated roll structure comprising a support, a magnetic core element surrounding the support, a stationary inducing winding surrounding the core element wholly outside the core element, and a hollow rotatable roll surrounding the winding and coaxial therewith.

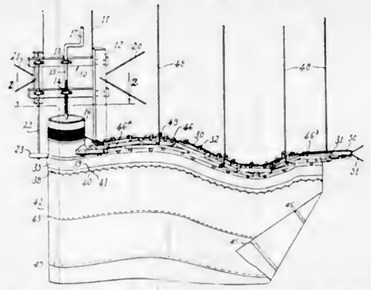
2,273,424
PREPARATION OF 2-MERCAPTO-THIAZOLINES
Bernard M. Sturgis, Pitman, N. J., and John J. Verbanc, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1939, Serial No. 283,183
9 Claims. (Cl. 260—302)

1. The method of making a 2-mercapto-thiazoline which comprises reacting carbon disulfide with an ortho-monoamino aliphatic alcohol of at least 3 carbon atoms which is otherwise free of strongly acidic, strongly basic and aromatic substituents in a closed vessel at temperatures above 120° C.

2,273,425
CHEWING GUM
Waldorf S. Traylor, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1940, Serial No. 343,167
11 Claims. (Cl. 99—135)

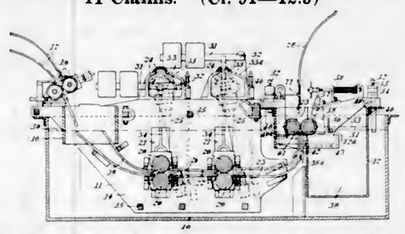
1. A chewing gum material comprising ethyl cellulose and a gum selected from the group consisting of resins, rubbers, and chicle.

2,273,426
DEVICE FOR SUPPORTING STAGE CURTAINS OR THE LIKE
David A. Washburn, New Haven, Conn.
Application December 18, 1940, Serial No. 370,700
18 Claims. (Cl. 156—46)



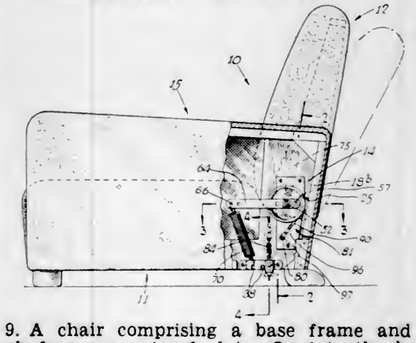
1. In a device for movably suspending a sheet of thin material, a suitably supported substantially horizontally extending member, cable-guiding means on said member, a vertically arranged rotatable drum adjacent one end of said member, a cable engaged with said guiding means the ends of which are adapted to be wound on said drum, a suitably supported pulley about which the bight portion of the cable is trained, said sheet being secured to said cable, and a portion of said cable being supported as well as guided by said guiding means.

2,273,427
APPARATUS FOR GALVANIZING
Raymond J. Wean, Hans E. Melin, and Elmore R. Berk, Warren, Ohio, assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application December 30, 1939, Serial No. 311,810
11 Claims. (Cl. 91—12.5)



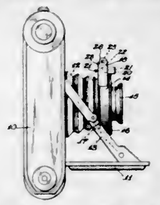
9. In a galvanizing apparatus, a pot adapted to contain a heated fluid bath, feed rolls for passing sheet material through said bath, a main frame removably disposed on said pot, said rolls being journaled in said frame, a zinc pot removably disposed in said first-mentioned pot, an auxiliary frame in said zinc pot, the auxiliary frame being adjustable vertically relative to said zinc pot, exit rolls journaled in said auxiliary frame, a drive for said exit rolls including a base with a motor thereon, and means for adjusting said base vertically and horizontally.

2,273,428
FURNITURE
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application May 3, 1939, Serial No. 271,437
10 Claims. (Cl. 155—164)



9. A chair comprising a base frame and a back frame, a pair of plates fixed to the base frame and provided with aligned studs, members rotatably mounted on said studs, spring means connecting each rotatably mounted member at a point thereon spaced from the axis of the studs, with the base frame, brackets fixed to said members and having portions passing through the planes of said plates, and portions fixed to the back frame, and friction means engaging said rotatably mounted members to retard rotation thereof.

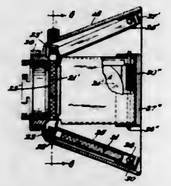
2,273,429
PHOTOGRAPHIC CAMERA WITH BUILT-IN EXPOSURE METER
Joseph M. Bing, New York, N. Y.
Application March 11, 1940, Serial No. 323,250
13 Claims. (Cl. 95—10)



1. The combination with a photographic camera having an exposure control element and an adjusting member therefor, of an exposure meter structurally combined with said camera, said exposure meter comprising a casing provided with a pair of openings forming a light passage therebetween, an optical wedge element provided with a series of distinct marks constituting an adjusting scale for said exposure control element and being of gradually varying transparency from one to the other end of the scale, said wedge

element being mounted within said casing at a point intermediate said openings, whereby, by holding the camera with one of the openings of said meter facing a photographic scene, the distance from one end of said wedge of the dimmest mark being just barely visible by viewing the other opening is representative of the existing scene brightness, said adjusting member having an index arranged adjacent to and movable along the scale on said wedge element.

2,273,430
MOUNT FOR OPTICAL DEVICES
Joseph M. Bing, New York, N. Y.
Application July 24, 1940, Serial No. 347,262
12 Claims. (Cl. 95—81)

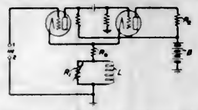


1. In a device of the character described, a chamber for passing a light bundle, at least one optical filter having a holder hingedly secured to an inside wall of said chamber near one edge thereof so as to lie against said wall in the non-operative position and adapted to be swung to and from its operative position with respect to said light bundle, a non-reflecting cover member hingedly secured to said wall near the opposite edge thereof, the distance between the hinges of said holder and cover being slightly greater than the distances the holder and cover extend from their hinges, spring means arranged to urge said cover member against said filter in the non-operative position and to allow lifting of said cover member and return to its resting position by swinging said filter from its non-operative to its operative position and vice versa, the cover riding on one side of the filter holder when the holder is first swung towards its operative position and riding on the other side of the holder after the free edge of the holder has passed the free edge of the cover, the free end of said cover member forming an abutment to retain said filter in the operative position and being shaped to glide upon said filter holder at the initiation of a return movement of said filter from its operative to its non-operative position.

2,273,431
TITANIUM PIGMENT PRODUCTION
James Eliot Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1938, Serial No. 215,218
13 Claims. (Cl. 23—202)

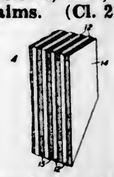
1. A process for producing rutile titanium dioxide comprising subjecting anatase titanium dioxide to initial calcination at temperatures ranging from about 800 to 1100° C., in the presence of a small amount of potassium sulfate, treating the resultant calcined pigment to effect substantially complete removal of potassium sulfate therefrom, and thereupon recalcining said pigment to convert the same to substantial rutile modification.

2,273,432
ELECTRON DISCHARGE DEVICE CIRCUITS
Sherman T. Brewer, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 3, 1940, Serial No. 312,236
2 Claims. (Cl. 179—171)



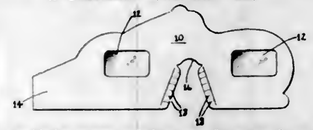
1. A circuit comprising a plurality of electron discharge devices connected in tandem, each of said devices comprising a cathode, an anode and a control grid, and a single feedback means common to the cathode-grid and cathode-anode circuits of each of said devices for causing a change in the signal volume output of said circuit non-proportionate to a change in signal impressed on the input of said circuit, said means including a thermosensitive resistance element to be heated by current flow in said cathode-anode circuit and being of a substance having a non-linear temperature-resistance characteristic, and means in shunt with said resistance element and of high impedance to the signal current.

2,273,433
CATHODE RAY TUBE
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1940, Serial No. 328,816
12 Claims. (Cl. 250—164)



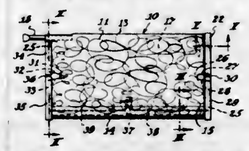
1. A cathode ray device which comprises a vessel having a non-conductive wall, means within said vessel for projecting a cathode beam, and beam-receptive means sealed into said wall in position to be impinged by said beam, said beam-receptive means comprising a plurality of discrete conductors arranged in a single row and extending parallel to each other through said wall and disposed with one of their smaller dimensions lying in the direction of the row, the outer end of each conductor terminating in a sharp tip, the distance from each of said tips to an adjacent tip being of the order of 0.01 inch.

2,273,434
OPHTHALMIC DEVICE
Fford Burchell, Port Chester, N. Y., assignor of twenty-three one-hundredths to John Q. A. Halloway, Brooklyn, N. Y., and one-tenth to James J. Ryan, New York, N. Y.
Application June 19, 1940, Serial No. 341,279
2 Claims. (Cl. 88—41)



1. An article comprising a frame for spectacles, said frame having a nose notch lying substantially in the plane of said frame, a plurality of gripping elements attached to said frame along each of the side edges of said notch and adapted to extend forwardly from said frame and adapted to take various angles with the plane of said frame whereby said elements are bent at various angles by the contours of the nose of the wearer as said article is forced back over the nose of the wearer, said elements being originally in the plane of said frame and the material of said elements and said frame along the side edges of said notch being of a resilient material whereby said elements tend to resist the deformation caused by the attaching of the article to the nose and hence grip the sides of the nose of the wearer.

2,273,435
FLASH LAMP
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 30, 1939, Serial No. 302,023
In Hungary August 19, 1939
3 Claims. (Cl. 67—31)



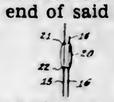
2. A flashlamp comprising a sealed envelope of self-supporting cellulose acetate, an active gas, combustible metal and igniting means therein, said envelope having the edge of one side adjacent the edge of another side of the envelope, connections from said igniting means extending to said edges and metal means closing said edges and making electrical contact to said connections.

2,273,436
COMPOSITION OF HALOGEN CONTAINING FILM FORMING MATERIAL
Kurt Desamari, Leverkusen-I. G. Werk, and Reinhard Hebermehl, Cologne-Deutz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application March 6, 1937, Serial No. 129,381. Divided and this application May 4, 1940, Serial No. 333,368. In Germany March 7, 1936
15 Claims. (Cl. 260—3)

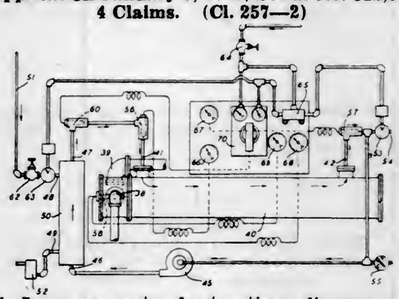
1. A composition of matter comprising a halogen containing film-forming plastic material selected from the group comprising chlorinated rubber, polyvinyl chloride, and chlorobutadiene, and an acetal of a compound of the type formula aryl·X·alkyl·OH wherein X stands for a member of the group consisting of O and S as a plasticizer therefor.

2,273,437
BEADING PROCESS
Thomas R. Dunn, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1939, Serial No. 291,855
3 Claims. (Cl. 49—81)

1. The hereindescribed method comprising sealing a bead on a conductor and supplying an additional amount of the bead material next an end for forming an enlargement next the end of the bead, sealing a second bead on a second conductor with a like additional amount of bead material next an end of said second bead forming an enlargement thereon, and unifying said beads into a single bead about the two conductors and with both of said enlargements unified into and serving to correspondingly enlarge the unified bead thereat.



2,273,438
LIQUOR TREATING APPARATUS
Harold F. Entwistle, Nutley, and Mark C. Lewis, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 6, 1940, Serial No. 312,670
4 Claims. (Cl. 257—2)

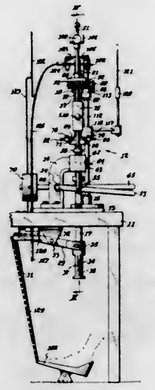


1. In an apparatus for treating a liquor, means to circulate the liquor in a primary circuit, means to force circulation of the liquid therein, means to circulate a heat tempering fluid in a closed secondary circuit having a heat exchanging relation to the primary circuit, means to force circulation of the fluid therein, means to circulate a second heat tempering fluid in a tertiary circuit having a heat exchanging relation to the secondary circuit, means actuable to release a portion of the first named fluid from the secondary circuit, means actuated by the release of the fluid from the secondary circuit to replace the released portion with fresh untempered fluid, means actuable to control the flow of fluid in the tertiary circuit, temperature responsive means to report a temperature within the apparatus, and single means actuable by the temperature control means to simultaneously actuate the fluid releasing means and the flow control means.

2,273,439
SEALING ELECTRODES INTO QUARTZ BULBS
George A. Freeman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1940, Serial No. 351,627
13 Claims. (Cl. 176—3)

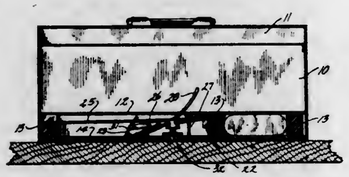
12. Apparatus for sealing electrodes into a quartz bulb having an exhaust tube and sealing glass on each end, with holes therein where the electrodes are to pass thereinto, comprising a chuck adapted to hold such a bulb with its axis vertical, resilient means for connecting said exhaust tube to a source of inert gas, means for holding an electrode in position in the upper hole of said

bulb, a lever for moving said holding means up and down, means for adjusting the position of



said holding means from side to side, and means for providing fires encircling the upper end portion of said bulb.

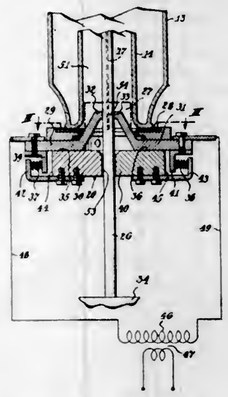
2,273,440
ALARM BOX
Arthur Raymond Gould, Derby, Colo.
Application July 1, 1940, Serial No. 343,396
4 Claims. (Cl. 109—39)



1. An alarm mechanism for portable containers comprising: an electric alarm circuit in said container; a plunger protruding from the bottom of said container; a leaf spring secured at one extremity and extending across said plunger to urge said plunger to protrude; a switch bar included in said circuit and pivoted intermediate its extremities with its first extremity below the free extremity of said spring; and a circuit closing contact in said circuit positioned above the second extremity of said bar to be contacted by the latter to close said circuit when the first extremity is depressed by said spring.

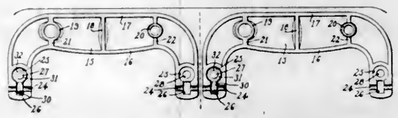
2,273,441
METHOD AND APPARATUS FOR SEALING VITREOUS VESSELS
Daniel S. Gustin, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1939, Serial No. 307,055
18 Claims. (Cl. 176—2)

1. The method of sealing a vitreous vessel having an exhaust tube extending from a reentrant portion, comprising closing said reentrant portion around said tube, creating a gas pressure above atmospheric in said closed space,



and electrically tipping off at a portion of said tube while subjected to said pressure.

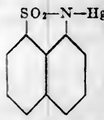
2,273,442
HANDLE FOR LUGGAGE OR THE LIKE
Jon Hedu, Watertown, Conn., assignor to The Watertown Manufacturing Company, Watertown, Conn., a corporation of Connecticut
Application August 2, 1940, Serial No. 349,426
4 Claims. (Cl. 190—57)



3. A hollow handle for luggage or the like, said handle being formed of plastic material and having an opening adjacent each end thereof, a metallic insert lying wholly within the handle having a part at its lower end extending about the lower edge of the opening, and means in the handle for supporting said insert, said means comprising a post formed integrally with the handle, and said insert having an opening adjacent its upper end within which said post is received.

2,273,443
ORGANIC MERCURY COMPOUND
Heinrich Klös, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 8, 1938, Serial No. 194,549. In Germany March 8, 1937
2 Claims. (Cl. 260—299)

1. An alkyl mercury naphthosultamic acid of the formula

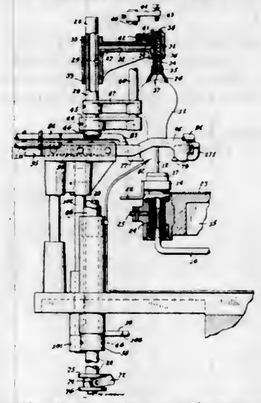


in which alk stands for an unsubstituted alkyl radical containing from 1–4 carbon atoms.

2,273,444
PROCESS OF PRODUCING SULPHAMIDES OF ORTHO-DICARBOXYLIC ACID IMIDES
Karl Koeberle, Willy Braun, and Fritz Hanusch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 18, 1939, Serial No. 299,974. In Germany February 15, 1938
8 Claims. (Cl. 260—326)

1. A process of producing a phthalimide-4-sulphonic acid amide which comprises treating a 2-halogen benzoic acid with chlorosulphonic acid thereby converting it into the corresponding 5-sulphochloride, then treating the said sulphochloride with a nitrogen compound selected from the class consisting of ammonia, primary and secondary alkylamines, aralkylamines, cycloalkylamines, arylamines, heterocyclic amines and secondary cyclic nitrogenous bases to form the corresponding 5-sulphonic acid amide, and heating this amide with cuprous cyanide.

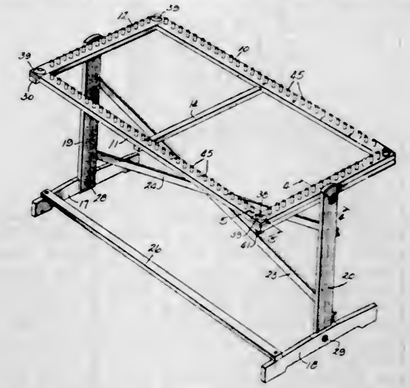
2,273,445
METHOD AND MACHINE FOR SEALING VITREOUS VESSELS
Michael E. McGowan and Richard A. Rehberg, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1940, Serial No. 326,652
16 Claims. (Cl. 176—3)



2. The method of sealing a vitreous vessel having an exhaust tube, comprising enclosing only a portion of said tube in a chamber, introducing into said chamber air compressed above atmospheric, heating a portion of said enclosed tube, simply slightly raising said vessel to restrict and tip off said tube in said chamber, allowing the tip to cool an appreciable length of time in said heated compressed air and raising still further to remove it from said chamber.

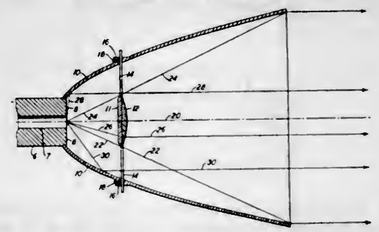
2,273,446
RUG WEAVING FRAME
Joseph J. Meyer, Milwaukee, Wis., assignor to G-H Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 2, 1940, Serial No. 349,482
7 Claims. (Cl. 139—34)

1. In a device of the character described, the combination with spaced supporting posts, of a frame structure pivoted therebetween and comprising side members and end members, each of the end members comprising upper and lower plies and each such end member having one of said plies reduced in thickness sufficiently to receive the end of a side member and to provide a shoulder abutted by the side member, said side members being positioned between the reduced thickness portion of the last mentioned



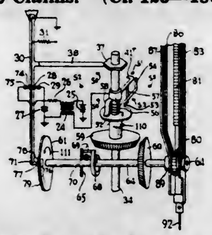
ply and the other ply against said shoulder, and means passing through the plies of the end members at the corners of the frame structure and between the end portions of the side members positioned between said plies, whereby to clamp said frame structure together, and means for pivotally mounting said end members to said posts.

2,273,447
UNIDIRECTIVE ENERGY RADIATING SYSTEM
Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1939, Serial No. 293,704
3 Claims. (Cl. 250—11)



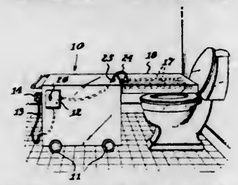
1. Means for producing a unidirective beam of ultra-high frequency radio wave energy comprising a cylindrical wave guide having an internal diameter approximately 0.7 times the wave-length of the energy to be used, a paraboloid reflector having a diameter at its normal focal plane which is large with respect to the internal diameter of the said wave guide, a focusing lens having a diameter substantially equal to the diameter of said reflector at its normal focal plane, said reflector being truncated through its normal focal plane, said wave guide, said reflector and said lens being coaxially aligned, the lens being within the reflector and positioned to have its focal point coincident with the focal point of said reflector, said wave guide being without the reflector, its nearer end lying in the normal focal plane of said reflector.

2,273,448
STARTING OF INTERNAL COMBUSTION ENGINES
James A. Patterson, Astoria, Long Island, N. Y.
Application May 27, 1939, Serial No. 276,095
10 Claims. (Cl. 123—180)



1. The method of starting a multi-cylinder internal-combustion engine having at least four cylinders and igniting means, including main ignition distributor means driven by the engine, which comprises the steps of supplying ignitible combustible starting charges to the closed cylinders of the engine, and selectively applying an ignition voltage to an ignitible charge in a cylinder having a piston on a firing stroke if the piston is on the high power part of the firing stroke, or to selectively apply an ignition voltage to an ignitible charge in a cylinder having a piston on the compression stroke for moving a piston which is on the lower part of the firing stroke back to a position in the high power part of its firing stroke so that in a subsequent starting operation an ignition voltage is selectively applied to an ignitible charge in the cylinder in which the piston was moved back to the high power part of its firing stroke.

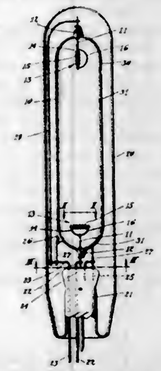
2,273,449
PORTABLE STERILIZER
Herbert Edward Plishker, Flushing, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1940, Serial No. 341,230
3 Claims. (Cl. 250—88)



1. A sterilizer comprising a bank of sterilizing lamps, a supporting casing for said bank of lamps limiting the direction of the radiating energy therefrom, a portable cabinet, electric apparatus for said bank of sterilizing lamps in said cabinet, means for adjustably supporting the supporting casing of said bank of lamps from said cabinet with the casing in constant parallelism in all positions and limited to positions within the range of the height of the cabinet and too close to the floor for a worker to be wholly thereunder.

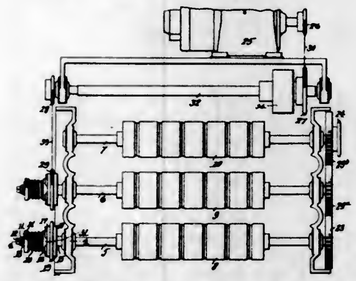
2,273,450
HIGH PRESSURE METAL VAPOR LAMP
Harvey Clayton Rentschler, East Orange, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application March 9, 1934, Serial No. 714,762
9 Claims. (Cl. 176—122)

1. A lamp comprising a hermetically sealed container, having a press, a plurality of leading-in conductors sealed in said press and extending exteriorly and interiorly thereof, a plurality of supports also sealed in said press, an envelope located in said container, a plurality of cold-hot



electrodes in said envelope, said conductors being electrically connected to said electrodes, a plurality of rods sealed in said envelope, said rods cooperating with said supports to maintain said envelope in proper position.

2,273,451
NEWSPAPER CONVEYER
Charles L. Ricards, South Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application April 5, 1939, Serial No. 266,120
2 Claims. (Cl. 198—203)

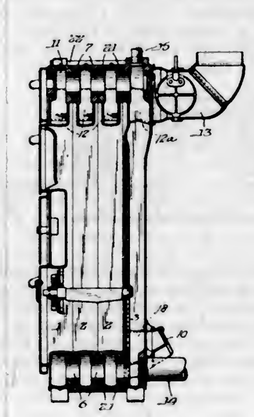


1. The combination with a newspaper conveyer and means for delivering papers thereto, of means for driving the conveyer, including a shaft and a clutch thereon comprising a sleeve fixed on said shaft, a clutch jaw longitudinally movable with respect to the sleeve but rotatably fixed thereto and having teeth having slanting surfaces, a sprocket rotatably mounted on the shaft for driving the conveyer and having a surface fitting said slanting surface and capable of forcing the jaw longitudinally out of mesh, and a spring for forcing the jaw into mesh whenever the teeth on the sleeve and those on the sprocket come into mesh, a second shaft, an auxiliary motor for operating said second shaft and through it the conveyer, whereby when the motor is energized the conveyer is operated to thereby clear the conveyer of newspapers remaining thereon when the clutch on the first shaft is rendered inoperative.

2,273,452
METHOD OF UNITING SURFACES
James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,398
4 Claims. (Cl. 154—42)

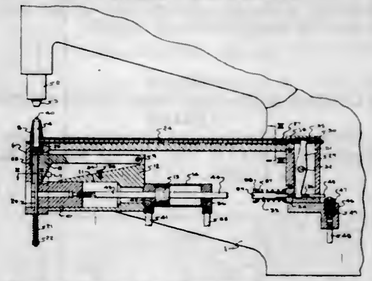
1. The method of bring two rubber hydrochloride surfaces together and uniting a limited area of said surfaces which comprises treating only said limited area of at least one of said surfaces with a low boiling organic liquid swelling agent which does not rapidly render the rubber hydrochloride tacky at normal room temperature but causes the rubber hydrochloride to become tacky almost immediately when heated to an elevated temperature below that required to cause untreated rubber hydrochloride to become tacky, bringing the two surfaces together and then while applying pressure, supplying to areas of said surfaces larger than, and including, said limited areas sufficient heat to cause said treated limited areas to coalesce, but not supplying sufficient heat to cause the untreated surfaces to become tacky.

2,273,453
BOILER
Paul W. Vandenberg, Elmhurst, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application August 16, 1939, Serial No. 290,418
4 Claims. (Cl. 122—225)



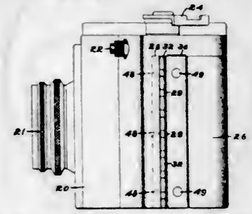
2. In a boiler having a plurality of vertically extending sections, a front section, a rear section, one or more intermediate sections therebetween, the said intermediate sections being capable of inversion when assembled with said front section and said rear section to convert the said boiler from an up-draft type of boiler to a down-draft type, or vice versa, the said rear section being provided with a plurality of flue apertures whereby in predetermined assembly with said intermediate sections, the upper of said flue apertures serves as an outlet for the gases of combustion for a coal-fired boiler, the lower of said flue apertures of the rear section being closed when the boiler is converted to an up-draft type and the upper of said flue apertures of the rear section being closed when the boiler is assembled for operation as a down-draft boiler.

2,273,454
UNDERFEED RIVETING MACHINE
Loyd A. Ward, Jackson, Mich., assignor to Tomkins-Johnson Company, Jackson, Mich., a corporation of Michigan
Application February 25, 1938, Serial No. 192,467
20 Claims. (Cl. 78—48)



1. A machine of the character described, comprising a set, means to operate said set, an anvil movable into and out of operative relation with said set, an anvil guiding member having a slideway along which said anvil moves, a channel for feeding upsettable members communicating with said slideway, means to reciprocate said anvil in said slideway into and out of operative relation with said set, said anvil in its retracted position being substantially in alignment with the bottom of said channel, means to feed a single upsettable member from said channel onto said anvil, and a lost motion delayed action connection between said anvil moving means and said feeding means to operate the latter whereby when said anvil reaches its retracted position said connection becomes effective to actuate said feeding means to feed an upsettable member from said channel onto said anvil.

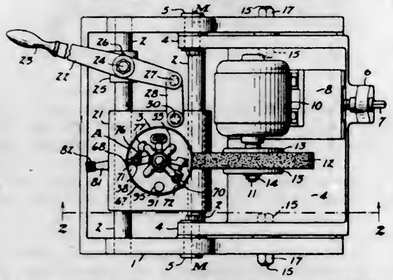
2,273,455
COMBINED HINGE AND LATCH STRUCTURE OF GENERAL APPLICATION
Vernon E. Whitman and Louis D. Nadel, Rochester, N. Y., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application July 12, 1940, Serial No. 345,140
15 Claims. (Cl. 16—147)



7. A combined hinge and latch device for body structures having doors and like closures comprising in combination, a pair of hinge plates adapted to be attached to the body structure at the respective sides of the door to which the said combined hinge and latch device pertains; a pair of hinge plates adapted to be respectively secured to the door at opposite sides thereof, said two companion plates at each side of the door having dowel-receiving tubular portions which, when positioned for use, are in alignment; a pair of slidable pivot plates positionable at the respective sides of the door in superposed relation to said hinge plates that are there secured to the door

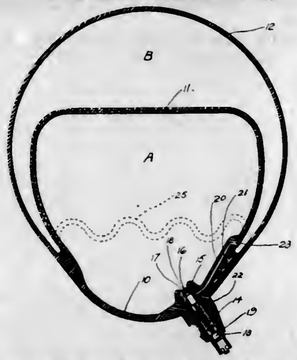
and each such slidable plate having pivotal dowel pin formations to be received in the said dowel-receiving portions when aligned; and a pair of cover plates adapted to overlie said slidable plates respectively and to be secured in such overlying position to the door at the opposite sides thereof, each cover plate having one or more formations engageable with the companion sliding plate to limit the sliding movements thereof.

2,273,456
MACHINE FOR GRINDING THIN METAL STRIPS
Henry L. Zimmerman, Davenport, Iowa
Application May 6, 1939, Serial No. 272,263
11 Claims. (Cl. 51—92)



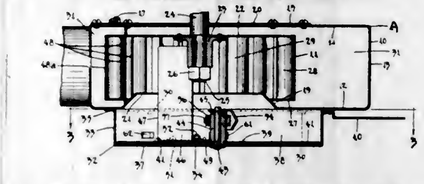
2. In a machine for grinding thin metal strips, having a rotatable grinding wheel, means for holding strips during grinding, and means for pivotally mounting the grinding wheel about an axis parallel to the axis of the grinding wheel and passing through the point of contact of the grinding wheel and the top edge of the strip to be ground.

2,273,457
SAFETY TUBE
Charles H. Zimmerman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application April 27, 1940, Serial No. 332,018
8 Claims. (Cl. 152—342)



1. A plural-chambered container of the class described comprising at least two chambers, with a flexible wall separating said chambers to allow for expansion or contraction of said chambers when differential pressures are exerted in said chambers on opposite sides thereof, a valve on said container having a bore through which fluid is supplied to said chambers, said valve having two ports both communicating with said bore and each communicating with different ones of said chambers to supply fluid thereto from said bore, one of said ports having a substantial effective cross-section such as to provide for rapid flow of fluid to its respective chamber, the other port being of an effective cross-section materially less than said first port whereby fluid is supplied to said first chamber at a higher rate than said second chamber thereby causing a flexing of said wall out of its normal operative position during inflation to a stressed position other than normal due to the excess pressure built up in said first chamber because of the more rapid supply of fluid thereto, thereby reducing the volumetric capacity of the second chamber, said wall being urged toward its normal position after inflation by the action of the stress in the wall set up during inflation thus forcing some of the fluid through the communicating ports from said first chamber to said second chamber to equalize the pressures in said chambers, said ports being in constant intercommunication to equalize the pressures in said chambers at all times, and said second port being of a small enough size to permit only the slow passage of fluid therethrough, thereby providing an interconnecting passage between said chambers of the effective size of the smaller port, whereby upon failure of one chamber the fluid will leak out of the other chamber to the atmosphere through said second port at only a relatively slow rate of speed.

2,273,458
AIR CONTROL
Clifford H. Anderson, Minneapolis, Minn., assignor to Crown Iron Works Company, Minneapolis, Minn., a corporation of Delaware
Application July 12, 1940, Serial No. 345,164
18 Claims. (Cl. 230—114)

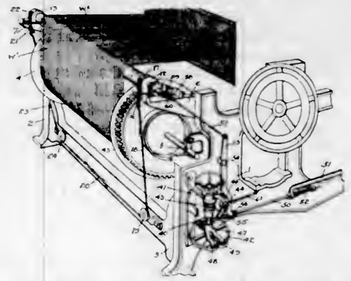


1. In combination with a blower having a rotor and a case providing an outlet and an inlet, a movable damper for controlling the flow of air through the inlet, a vane disposed in proximity to the portions of the blades of the rotor at which the air enters the same and extending in a direction transverse of the direction of movement of the blades of the rotor, pivot means for guiding the vane for movement along a path following the inner edges of the blades of the rotor and in a direction corresponding to the direction of movement of the blades of the rotor, the turbulence of the air at the inner edges of the blades exerting a pressure on the vane tending to move it along its path of movement, said vane being connected to said damper and serving upon movement along said path to move the damper.

2,273,459
PURIFICATION OF ACETIC ACID
Edgar C. Britton, Ralph P. Perkins, and Andrew J. Dietzler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 25, 1938, Serial No. 242,278
7 Claims. (Cl. 260—541)

1. In a method for purifying acetic acid from a natural source, the step of heating the acid with minor proportions of nitric acid and sulphuric acid and thereafter separating acetic acid from the resultant mixture.

2,273,460
WHIP ROLL
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 25, 1941, Serial No. 380,525
2 Claims. (Cl. 139—114)

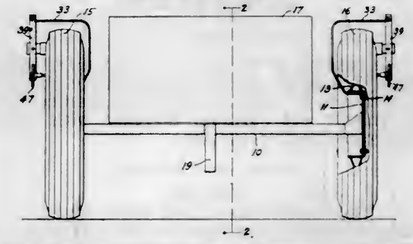


1. In a loom including a warp beam and let-off mechanism for controlling rotation of the warp beam, a whip roll structure comprising a pair of spaced parallel brackets mounted on said loom above said warp beam, a track element mounted on each bracket and extending longitudinally of said loom, a shaft mounted on said track elements for rolling movement thereon toward and from the front of said loom, a whip roll rotatably mounted on said shaft, a sprocket wheel fixed to each end of said shaft, said sprocket wheels being mounted on and rolling along said track elements, a roller chain mounted on each sprocket wheel and having one end fixed to the wheel and the other end fixed to the rear end of the track element along which said wheel moves said chains being so mounted on said wheels that as said wheels roll forwardly said chains unwrap from said wheels and are superimposed on said track elements and as said wheels move rearwardly said chains are wrapped around said wheels, means carried by said chains for preventing displacement thereof from said track elements, the warp sheet from said warp beam extending upwardly and forwardly about said whip roll, means for urging said whip roll rearwardly against said warp sheet and means operated by said shaft for controlling the let-off mechanism.

2,273,461
PROCESS FOR THE PRODUCTION OF CALCIUM METAPHOSPHATE AND HYDROGEN
Stephen Brunauer and John Floid Shultz, Washington, D. C. assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application February 29, 1940, Serial No. 321,388
8 Claims. (Cl. 23—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

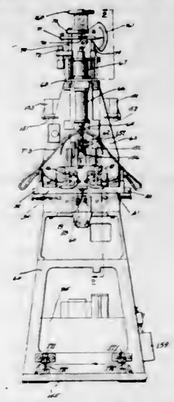
1. A method for the simultaneous production of calcium metaphosphate and hydrogen, which comprises passing upward through a bed of phosphate rock a mixture of steam and phosphorus vapor in which the ratio of steam to phosphorus is greater than ten to one by volume, the while maintaining a temperature of at least 900° C. and at substantially atmospheric pressure; thereby obtaining as products substantially pure calcium metaphosphate free of phosphite, and hydrogen.

2,273,462
DEMONSTRATING DEVICE
William M. Bryan, St. Petersburg, and William F. Peters, Miami, Fla., assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 9, 1940, Serial No. 344,538
13 Claims. (Cl. 35—49)



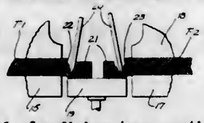
1. A demonstrating device comprising a tire support, a tire mounted on said support, an inflatable, flexible tube within said tire, valve means through which said tube may be inflated, said tube having a relatively large opening therein through which air can escape rapidly to simulate a sudden tube failure, a valve for closing said opening to permit inflation of said tube, and means for releasing said valve to permit the air to rush out of the tube.

2,273,463
APPARATUS FOR SPLICING RUBBER ARTICLES
John F. Campbell, Cuyahoga Falls, and Jerome F. Ringlein, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 4, 1939, Serial No. 254,722
9 Claims. (Cl. 154—9)



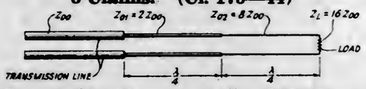
8. A machine for splicing an inner tube comprising clamping means operable to flatten and hold flat the ends of the tube stock, cutting means adapted to cut transversely through the clamped ends of the stock, and means for moving both the clamping means and the cutting means during at least part of the cutting operation.

2,273,464
METHOD OF SPLICING RUBBER ARTICLES
John F. Campbell, Cuyahoga Falls, and Jerome F. Ringlein, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Original application February 4, 1939, Serial No. 254,722. Divided and this application April 25, 1940, Serial No. 331,576
7 Claims. (Cl. 154—14)



1. A method of splicing two portions of rubber which comprises cutting substantially obliquely the surfaces of rubber to be joined, and bringing the freshly cut surfaces together with transversely progressive contact.

2,273,465
TRANSMISSION LINE MATCHING
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 14, 1939, Serial No. 261,745
8 Claims. (Cl. 178—44)



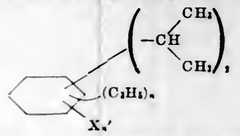
5. In combination, a radio frequency load operable over a wide band of frequencies and a transmission line, an even number of series connected matching sections interposed between said transmission line and load, each having a length equal to one-quarter of the length of the operating wave at midband frequency, the surge impedance of each of said sections being so proportioned with respect to the ratio of said load impedance to the line impedance that at frequencies removed from midband the reactance introduced by each section is counterbalanced by an opposite reactance introduced by another of said sections, the surge impedance of each of said sections having values between the limits determined by the impedances of said load and said transmission line the surge impedance of each section being less than one adjacent impedance and greater than the other adjacent impedance.

2,273,466
LAMINATED STRUCTURE
Ray P. Dinsmore, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 19, 1941, Serial No. 394,144
2 Claims. (Cl. 154—43)

1. A laminated structure, the laminae of which are plies of elastoplastic film and are united throughout their common area, one of said plies having its structure oriented in one direction (herein referred to as the first direction) so as to possess greater tensile strength in said direction than in the direction perpendicular thereto (herein referred to as the second direction), and another of said plies having a substantially unoriented structure, said laminated structure being distinguishable from a homogeneous ply of film of the same elastoplastic and of the same dimensions and having an unoriented structure, by virtue of having greater impact tensile strength in said first direction than in said second direction; and being distinguishable from a homogeneous ply of film of the same elastoplastic of the same dimensions having a structure oriented sufficiently to have the same tensile strength as the laminated structure in said first direction, by virtue of having greater impact tensile strength in said second direction than said homogeneous ply of elastoplastic film having an oriented structure.

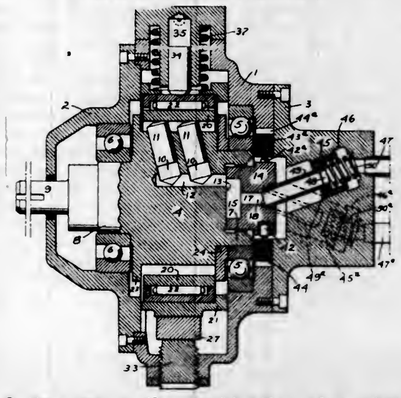
2,273,467
ETHYLATED DI-ISOPROPYL HALOBENZENE
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 3, 1938, Serial No. 233,035
7 Claims. (Cl. 260—650)

1. A compound having the general formula,



wherein X is a halogen selected from the class consisting of chlorine and bromine and n and n' are integers having a sum not exceeding 4.

2,273,468
HYDRODYNAMIC MACHINE
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 20, 1939, Serial No. 300,353
9 Claims. (Cl. 103—161)

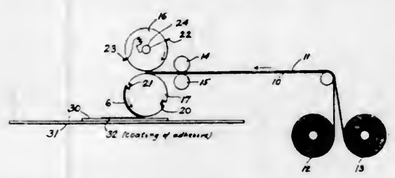


2. In a pump, the combination of a rotatable cylinder barrel restrained from axial movement and having pumping means arranged therein and passages extending from said pumping means through the rear end of said cylinder barrel, a valve member engaging the rear end of said cylinder barrel and forming therewith a valve for controlling the flow of liquid to and from said pumping means, a stationary cylinder arranged at an angle to the axis of said cylinder barrel and adapted to be connected to an external circuit, a hollow piston fitted in said cylinder, a hollow connecting rod arranged upon the axis of said cylinder and having its ends fitted into said piston and said valve member so that the liquid discharged by said pumping means is directed through said rod and said piston to said cylinder and exerts upon said piston a force proportional to pump pressure the axial component of which urges said valve member against said cylinder barrel and the radial component of which tends to move said valve member radially, and yieldable means for supporting said valve member and for enabling said valve member to have a slight radial movement in response to a material variation in pump pressure.

2,273,469
DRIED MILK PRODUCT
James D. Ingle, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 16, 1939, Serial No. 262,286
5 Claims. (Cl. 99—56)

1. The method of preparing dried skimmed milk products for use in bakery products which comprises incorporating with liquid skimmed milk about 0.05 per cent to 5 per cent starch based on the solids content of the milk and drying the resulting mixture whereby a dried milk product adapted to produce a bakery product of improved texture, uniformity and volume is obtained.

2,273,470
METHOD OF LINING CARTONS
Charles E. Gardner, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application April 8, 1941, Serial No. 387,406
1 Claim. (Cl. 93—36.01)

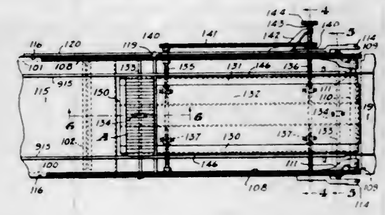


The method of forming liners for cartons and affixing them to carton blanks, which comprises applying adhesive to one side of each carton blank feeding two sheets of heat-sealable film to a roll while carrying the sheets on the roll, severing them at intervals with a hot instrument along a line perpendicular to the direction of travel of the sheets and fusing them together on both sides of the line of severance by heat from the instrument thus forming tubular liners of the film, carrying the liners as formed on the roll and transferring each directly from the roll to the coated side of a carton blank and pressing the liners to the carton blank by the roll as it transfers the liner to the blank so as to bond the liner to the blank in the position in which it is transferred to the blank from the roll.

2,273,471
DI (ARYLALKYL) SULPHIDE
Richard H. Kimball, Lewiston, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application January 17, 1941, Serial No. 374,915
10 Claims. (Cl. 260—608)

1. As new compositions of matter blending readily with mineral lubricating oils and useful as film strengthening agents therein, the products obtained by reacting with a sulphide of an alkali metal a mixture of benzyl chloride and chlorbenzyl chloride in proportions to yield, after separation from any unreacted reagents and the by-product alkali metal chloride, reaction products normally largely liquid at ordinary temperatures and having last crystal points not substantially above 40.2° C.

2,273,472
CONVEYER
Arthur A. Kottmann, Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware
Original application April 23, 1938, Serial No. 203,865. Divided and this application September 10, 1940, Serial No. 356,169
20 Claims. (Cl. 198—168)



1. A conveyer for carrying sliced bread loaves from a slicing machine, said conveyer having an apron for supporting the loaves, and opposite substantially parallel edge portions of the conveyer apron being movable toward and away from one another in parallelism to adjust the effective article supporting width of the apron to loaves of different size.

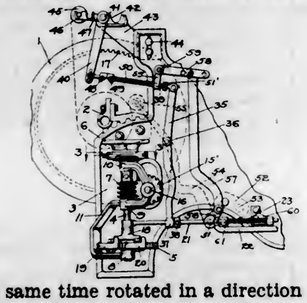
2,273,473
COLORING RUBBER HYDROCHLORIDE CEMENTS
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 26, 1937, Serial No. 122,408
3 Claims. (Cl. 260—738)

1. The method of coloring a rubber hydrochloride cement with insoluble coloring matter which comprises milling the coloring matter into a material of the class consisting of rubber, gutta percha, balata and condensation derivatives of rubber, which material is compatible with rubber hydrochloride and dispersing the colored material and the rubber hydrochloride in a solvent for the same.

2,273,474
LETOFF MECHANISM FOR LOOMS
Martin W. Phillips, Lowell, N. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 17, 1940, Serial No. 370,521
6 Claims. (Cl. 139—109)

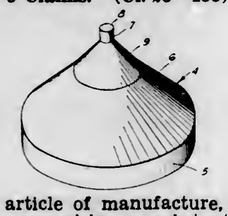
1. In a loom let-off, a warp beam rotatable to let-off warp, a horizontal shaft geared to said warp beam for turning same, means for rocking said shaft with a greater movement in one direction than the other, the direction of greater

movement being such as to effect let-off of the warp whereby said warp beam is oscillated and



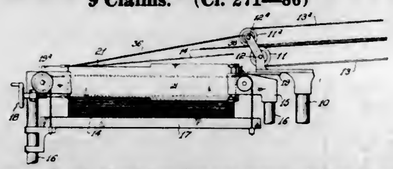
at the same time rotated in a direction to let off warp.

2,273,475
PIN FOR SUPPORTING CERAMIC WARE
Armin L. Schreiber, Altadena, Calif.
Application August 4, 1940, Serial No. 351,299
5 Claims. (Cl. 25—153)



5. As an article of manufacture, a ware supporting pin comprising a substantially conical member including a base portion having the form of a right circular cylinder, an integral body portion of conical form extending upwardly from said base portion, and an integral apex portion having the form of a right circular cylinder extending upwardly from said body portion.

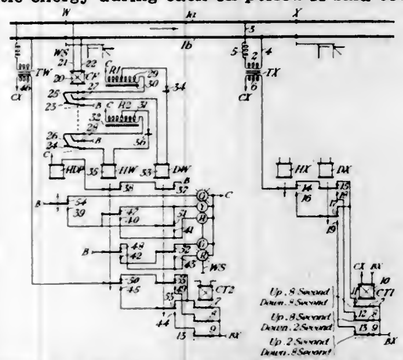
2,273,476
STACKING FRAME FOR PRINTED SHEETS
Harry A. Shaffer, East Cleveland, Ohio
Application July 2, 1940, Serial No. 343,595
9 Claims. (Cl. 271—86)



1. A sheet stacking frame, comprising in combination, spaced side wall members having end slots therein, a front wall member engageable with the end slots, and a rear wall member having end slots therein and being engageable with the spaced side wall members.

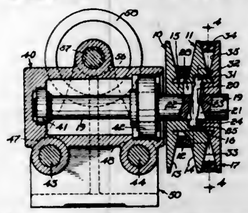
2,273,477
RAILWAY TRAFFIC CONTROLLING APPARATUS
Howard A. Thompson, Edgewood, and Charles W. Failor, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 2, 1940, Serial No. 321,928
16 Claims. (Cl. 246—38)

1. In apparatus for use with a code following relay which at times is operated to a first and a second position in step with the on and off periods of a coded current having a cyclic pattern consisting of one on and one off period of preselected durations, the combination comprising, a source of direct current, a reactor having a magnetic core; a first circuit including said source of direct current, a first position contact of said code following relay and a winding mounted on said reactor core; said first circuit proportioned for a predetermined time constant to build up magnetic flux in said reactor core at a predetermined rate and store a predetermined amount of magnetic energy during each on period of said coded



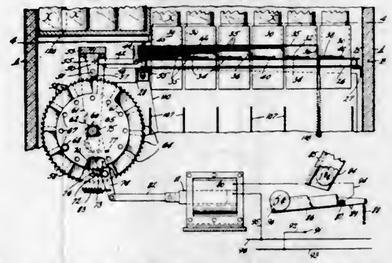
current, a decoding relay adjusted for a preselected pick-up electromotive force; a second circuit including a winding mounted on said reactor core, a second position contact of said code following relay and a winding of said decoding relay; said second circuit proportioned to create said pick-up electromotive force by the decay of the magnetic energy stored in the reactor core during each off period of said coded current only when the stored magnetic energy is at least equal to said predetermined amount to selectively pick up the decoding relay in response to said coded current, and a signaling circuit including a contact of said decoding relay.

2,273,478
VARIABLE SPEED DEVICE
John H. Thompson, Glendale, Calif., assignor to Eric Locke, Los Angeles, Calif.
Application January 18, 1939, Serial No. 251,552
4 Claims. (Cl. 74—230.17)



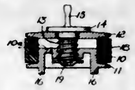
1. A variable speed device including a shaft, a first pulley section having an extended sectional hub slideably mounted on said shaft for rotation therewith, a second pulley section slideably mounted on said hub for rotation therewith, said shaft and hub having aligned slots, a lever fulcrumed on said shaft within its slot and extending from its fulcrum in one direction through said slots with an end engageable with said second pulley section in a recess therein and extending from its fulcrum in another direction with an end engageable with said hub in a recess therein, said hub slot and recess being defined by adjacent hub sections to permit assembly and disassembly of the pulley structure.

2,273,479
ARTICLE DISPENSING OR VENDING MACHINE
John C. Wahl, Buffalo, N. Y.
Application June 15, 1940, Serial No. 340,747
18 Claims. (Cl. 312—88)



1. In a machine for dispensing articles, the combination of a plurality of compartments, each adapted to contain one article, a retainer for each compartment for supporting the article therein, when in retaining position and to permit the contents of the compartment to be discharged when out of retaining position, a rotary member having a plurality of projections corresponding in number to said compartments, each projection being spaced from other projections both lengthwise and circumferentially of said rotary member, and parts associated with said retainers and extending into the path of movement of said projections about the axis of said rotary member, said projections engaging said retainers successively during the rotation of said rotary member to move said retainers into article releasing positions.

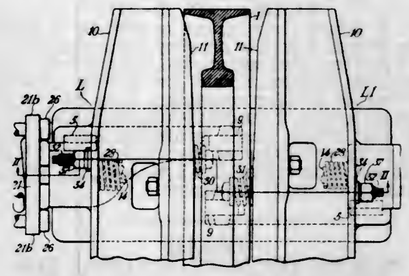
2,273,480
DRAIN PLUG
George Yates, Glendale, Calif.
Application August 27, 1940, Serial No. 354,352
1 Claim. (Cl. 4—295)



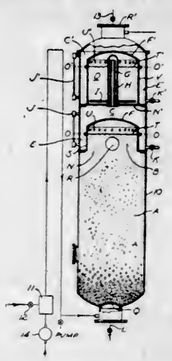
A stopper for drains and the like comprising a cylindrical body having a flange secured to one end thereof, a second flange, a member rotatable in said second flange and threadedly engaging the cylindrical body, said member having a shoulder engaging the second flange to move said second flange toward the first mentioned flange upon rotation of the threaded member in said cylindrical body, and a resilient ring surrounding the cylindrical body between the flanges.

2,273,481
RAILWAY BRAKING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 2, 1940, Serial No. 364,044
14 Claims. (Cl. 188—62)

1. The combination with a vertically movable track rail, of two levers pivotally supported on opposite sides of said rail and each having one arm engaging the underside of the rail and another arm extending upwardly and carrying means for frictionally engaging the wheels of a car traversing said rail, said wheel engaging means being spaced apart when no car is traversing the rail a distance which is less than the widths of car wheels, whereby when a car is traversing the rail the wheels of the car will rotate the levers in directions to raise the rail and will thus cause the car to exert on the levers a force which is proportional to the weight of the car, and the axes about which the levers pivot being free to move laterally relative to the rail to permit the levers to adjust themselves to the positions and sizes of the car wheels.



2,273,482
APPARATUS FOR TREATING OILS
Sumner E. Campbell, Long Beach, Calif.
Original application September 3, 1935, Serial No. 38,992. Divided and this application April 18, 1939, Serial No. 268,496
2 Claims. (Cl. 196—46)



1. A tower for treating liquids comprising: a shell having greater height than diameter, a separating wall in the upper part of the shell having a discharge aperture therein, a body of contact material in the lower part of said shell, means to introduce liquids of different specific gravities into the lower part of the shell to pass upwardly through said contact material and separating wall, means to cause the heavier of said liquids to immediately separate and fall below the level of said aperture after passage therethrough, means to withdraw said separated heavier liquid from said shell; and means to withdraw the lighter liquid from the upper part of the shell above the separating wall at a point above the level of heavier liquid withdrawal means.

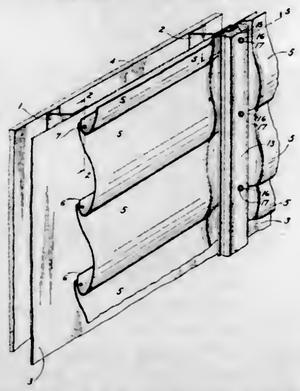
2,273,483
WIRE SCREEN CLOTH
William L. Fink, Aspinwall, Pa., and William T. Ennor, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 29, 1940, Serial No. 348,282
4 Claims. (Cl. 29—181)

1. A screen cloth strand comprising a duplex wire having a core of an alloy containing from 4 to 6 per cent magnesium, the balance being substantially aluminum, said core having a coating thereon of an alloy containing from 0.5 to 3 per cent zinc, 0.5 to 2 per cent magnesium, 0.25 to 1.25 per cent silicon, and a hardening element from the group consisting of chromium 0.1 to 0.5 per cent and manganese 0.1 to 1 per cent, the balance being substantially aluminum.

2,273,484
PROCESS FOR MANUFACTURING SYNTHETIC RUBBER FROM FURFUROL
Henri Martin Emmanuel Guinot, Niort, France, assignor to Les Usines de Melle, Melle, Deux-Sevres, France, a body corporate of France
No Drawing. Application December 30, 1936, Serial No. 118,364. In France January 3, 1936
10 Claims. (Cl. 260—93)

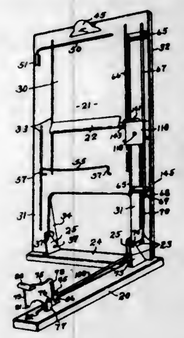
1. A process of manufacturing synthetic rubber, comprising converting furfurol into methylfurane, converting the methyl furane into tetrahydromethylfurane, converting the tetrahydromethylfurane into piperylene, and finally converting the piperylene into synthetic rubber.

2,273,485
WALL CONSTRUCTION
Jerome R. George, Marion, Mass.
Application May 19, 1939, Serial No. 274,620
7 Claims. (Cl. 189—86)



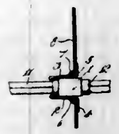
1. A metal siding strip of the type described comprising an elongated sheet metal member having at its bottom edge a portion bent to extend substantially vertically upwardly and having at its top edge a flange extending substantially horizontally outwardly and adapted to have edge engagement with a side surface of another siding strip, said siding strip being of substantially uniform curvilinear cross-section intermediate its ends and having its ends flattened to lie in the same plane, said flattened ends being provided with flanges extending outwardly therefrom, said cross sectional form of said strip having a concave upper portion and a convex lower portion smoothly merged into said concave portion.

2,273,486
COPYHOLDER
Philip P. Glassey, Manlius, N. Y., assignor of one-third to Theodore E. Simonton, Cazenovia, N. Y., and two-thirds to Joyce Mather Glassey
Application August 14, 1940, Serial No. 352,564
14 Claims. (Cl. 120—34)



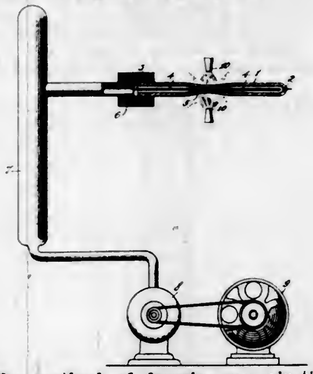
1. In a copy holding machine having an easel for supporting the copy and a marker, wherein said easel and said marker are relatively movable for indicating lines, in combination, actuating means for producing said relative motion in substantially equal steps in one direction, adjustable means for obtaining infinite variation of the amplitude of said steps between maximum and minimum limits, and means connected with said actuating means for changing said relative motion from a step by step motion in one direction to a back and forth movement without substantial progress in either direction.

2,273,487
STRAIN-RELIEF MEANS FOR ELECTRICAL CORDS
Horace W. Heyman, Kenilworth, N. J.
Application November 16, 1940, Serial No. 365,902
5 Claims. (Cl. 173—322)



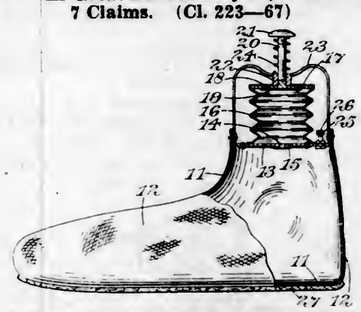
1. Strain-relief means for an electrical cord comprising in combination with a plate having a polygonal opening therein, a metallic member having a body portion adapted to be swaged around the cord into a polygonal form to fit the opening in the plate, the body having arms extending therefrom and bent backwardly over the body and having their ends bent to engage one side of the plate, and catches on the arms spaced from said arm ends a distance approximately the thickness of the plate, whereby the plate will be engaged on opposite sides by the said ends and catches when the said cord with the metallic member is inserted into the opening in the plate.

2,273,488
METHOD OF SEALING ELECTRICAL CONDUCTORS TO QUARTZ
Emil Hofman, Newark, N. J., assignor to Chemical Products Company of New Jersey, Inc., Newark, N. J.
Application December 29, 1939, Serial No. 311,444
7 Claims. (Cl. 49—81)



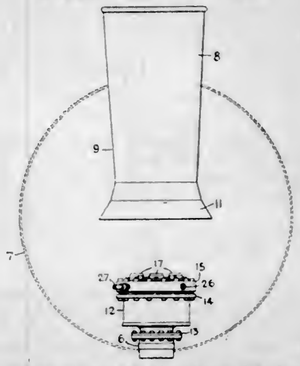
1. The method of forming an air-tight seal between a ribbon conductor of metal selected from the group consisting of molybdenum and tungsten and having a melting point materially above the melting point of quartz, and a quartz envelope, which consists in first treating the conductor with a solution of uranium, hydrofluoric and hydrochloric acids, inserting the treated conductor into a quartz envelope closed at one end, applying a vacuum to the open end of the envelope and also applying heat to the envelope at a portion where the seal is desired, thereby allowing pressure of the air to squeeze the heated quartz portion securely around the wire.

2,273,489
STRETCHER FOR ARTICLES OF CLOTHING
Mary Hanby Holmes, Bexhill-on-Sea, England
Application May 27, 1940, Serial No. 337,529
In Great Britain May 30, 1939
7 Claims. (Cl. 223—67)



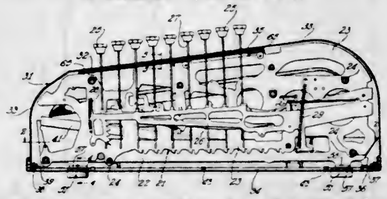
1. A form for supporting articles of clothing comprising in combination a hollow or flexible form-member pre-shaped to yield on inflation approximately the shape of the interior of the article to be supported, a diaphragm extending across one end of the form-member, a non-return inlet valve in said diaphragm, a pumping device permanently mounted on the diaphragm to inflate said form-member through said valve, and means on the diaphragm affording a grip whereby the pumping device can be readily operated.

2,273,490
EXHAUST NOZZLE FOR LOCOMOTIVES
Otto Jabelmann and Leonard K. Botteron, Omaha, Nebr.
Application May 14, 1940, Serial No. 335,184
6 Claims. (Cl. 230—100)



1. An exhaust nozzle structure for locomotives for directing exhaust blast into a lift pipe, comprising in combination an open topped single chamber manifold having means for connection with an exhaust passage; a plate releasably connected directly to said manifold and closing the top thereof, said plate having a plurality of orifices simultaneously opening directly into said chamber; nozzles, one mounted separately and removably in each orifice and projecting exteriorly from said plate; and individual readily-releasable means for holding each of said nozzles in place in its orifice.

2,273,491
BUSINESS MACHINE
Haldon A. Leedy, Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 28, 1939, Serial No. 270,483
2 Claims. (Cl. 248—22)

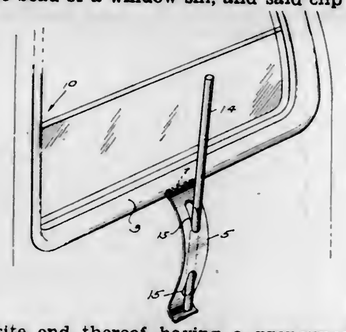


1. In a machine of the class described having an outer casing, and an operating mechanism supporting frame disposed interiorly of said casing; resilient pad members having grooves in the outer surfaces thereof for receiving portions of said casing to support the same and said frame, and means for securing said frame to the central portions of said resilient pad members, the weight of said frame being taken in sheer by the pad members whereby transmission of vibrations therefrom to said casing is prevented.

2,273,492
SPRING CLIPS
Albert E. Malmer, Blue Island, Ill.
Application July 8, 1941, Serial No. 401,488
2 Claims. (Cl. 248—43)

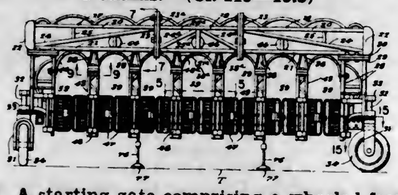
1. A spring clip for the purpose specified com-

prising a narrow spring metal body longitudinally curved and having at one end a reverse bend for positively engaging said end of the clip with the inside bead of a window sill, and said clip at the



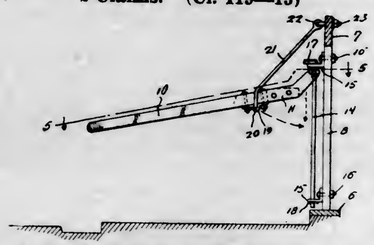
opposite end thereof having a pronounced returned bend for bearing engagement with the wall beneath the sill; and said clip body being provided adjacent the ends thereof with slots elongated longitudinally of the clip body.

2,273,493
AUTOMATIC STARTING GATE
Cullum H. McMillan, San Saba, Tex.
Application December 29, 1939, Serial No. 311,647
4 Claims. (Cl. 119—15.5)



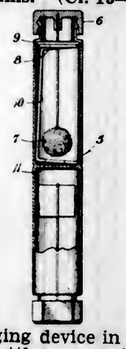
1. A starting gate comprising a wheeled frame having a superstructure, stall defining posts carried by and depending from said superstructure and terminating at their lower ends well above the ground, stall side members carried by said posts above their lower end portions and having longitudinally extensible rear end portions, ground engageable supports carried by certain of said rear end portions and means on said rear end portions for raising and lowering said supports.

2,273,494
STALL PARTITION
Ernest W. Moxham, North Blenheim, N. Y.
Application July 8, 1941, Serial No. 401,486
2 Claims. (Cl. 119—15)



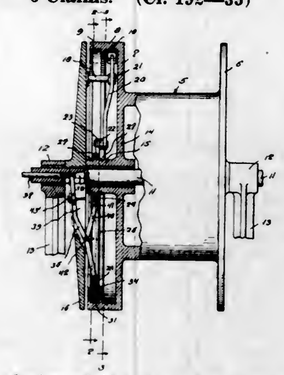
1. In a stanchion partition, superimposed spaced brackets secured on the stanchion, a rod removably mounted on the stanchion by said brackets and arranged vertically, a partition bar, plates secured to one end of said bar and extending angularly thereto, a collar slidable on the rod and pivoted to said plates whereby said bar may assume vertical and horizontal positions, and a yoke journaled on said bar adjacent said plates and hinged to the stanchion.

2,273,495
SWAB WRINGING DEVICE
Julius A. Nelson, Atlanta, Ga.
Application August 4, 1939, Serial No. 288,423
2 Claims. (Cl. 15—257)



1. A swab wringing device in the nature of an attachment for bottles or analogous containers having a neck portion, comprising a length of spring wire having at one extremity thereof a wringing coil or convolution adapted to be positioned at the base of the neck of the bottle, said coil being of less diameter than the swab and terminating in a free extremity which is sprung outwardly into a convolution of greater diameter than the neck base and anchors the device against outward displacement beyond the base of the neck, the wire being turned downwardly substantially perpendicular to said wringing coil to provide a leg which holds the coil in place against downward movement in the bottle, said leg terminating in a partial convolution providing a foot or base which rests on the bottom of the bottle and may be bent to adjust the height of the device.

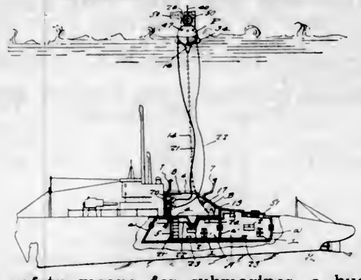
2,273,496
BOOSTER FOR FRICTION CONTROLS OR CLUTCHES
Leon Perry, Brooklyn, N. Y.
Application June 6, 1941, Serial No. 396,917
6 Claims. (Cl. 192—35)



1. In a device of the class described, a power

shaft, a winch drum to be driven by said power shaft, friction means driven by said shaft to engage and disengage with the drum and including linkage, a booster connected with said linkage and mounted for rotation on the winch drum with its axis of rotation coinciding with the axis of rotation of the shaft and including a movable shoe, and a hand operated means connected to the shoe for the engagement and disengagement thereof with the winch drum.

2,273,497
SIGNAL PONTOON FOR SUBMARINES
Benito Rivera, Philadelphia, Pa.
Application February 3, 1940, Serial No. 317,202
1 Claim. (Cl. 114—16.5)



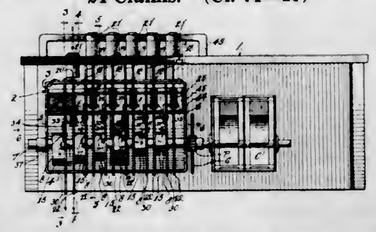
In safety means for submarines, a buoyant chamber forming member having an opening in its top, a door for closing such opening, a flexible member connecting the buoyant member with the submarine, a hose leading from the buoyant member into the submarine and said hose having a portion located in the buoyant member with an end arranged adjacent one side of the opening in said buoyant member, said hose having an unobstructed passage therethrough, a second hose leading from the interior of the buoyant member into the submarine, a pump in the buoyant member having its inlet connected with the second hose and a third hose leading from the outlet of the pump to a point adjacent the opposite side of the opening in the buoyant member, those portions of the three hose in the buoyant chamber, and the pump, being located adjacent internal walls of the chamber to prevent such parts from interfering with the occupants of the chamber.

2,273,498
SHOULDER PAD
Dorothy W. Romaine, Reno, Nev.
Application May 25, 1940, Serial No. 337,289
2 Claims. (Cl. 2—268)



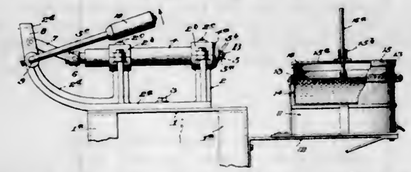
1. A shoulder pad comprising a plurality of laminations in sheet form and including a base of stiff cloth of tear-drop contour, a plurality of slits at the opposite side edges of the cloth adjacent its bulbous end, means for securing the edges of the slits in overlapping relation to elevate the central portion of the base to produce an elongated concavo-convex base construction, a plurality of substantially oval-shaped sheets of padding secured in crossed relation to the upper surface of the base, a pad of substantially oval-shape sheet form secured transversely to the under side of the base and cloth cover sheets for each surface of the pad, all of said oval-shaped pads being positioned in the region of the inner ends of the slots to reinforce the elongated concavo-convex structure at the center of the rounded end of the pad.

2,273,499
MECHANICAL TUNING MECHANISM
John H. Teaf, Moorestown, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application February 4, 1938, Serial No. 188,640
24 Claims. (Cl. 74—10)



1. For a radio receiving set having a tuning device with a movable part for tuning circuits therein, means for operating said movable part of the tuning device including; a frame carrying a rotatable shaft adapted to be connected to said movable part of the tuning device, a plurality of longitudinally slidable units carried by the frame for turning the shaft and each unit corresponding to a radio station desired to be selected, each unit having shaft-turning engaging parts, and an adjustable device, one for each slidable unit carried on said shaft, each device having turning and positive stopping engagement parts on diametrically opposite sides of its axis adapted to be acted on by the engaging parts of its cooperative unit for turning the shaft in either direction of rotation and definitely stopping the shaft in a fixed position from any previously set position, depending on the station desired, as defined by the adjustment of said device.

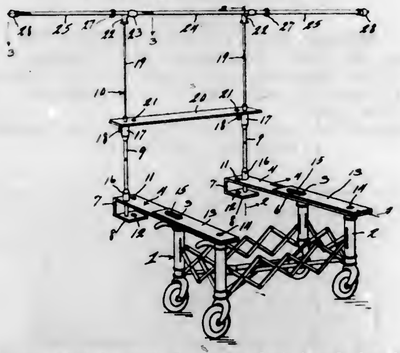
2,273,500
MACHINE FOR COMPRESSING LENSES OR THE LIKE
William Henry Umlandt, Muscatine, Iowa, assignor to Automatic Button Company, Muscatine, Iowa, a corporation of Iowa
Application September 18, 1939, Serial No. 295,512
2 Claims. (Cl. 18—1)



2. In combination, a heater comprising a receptacle containing liquid; a cover for said receptacle having an opening adjacent its periphery and a bearing at its center; a dish-shaped pan rotatably mounted in said receptacle and floating

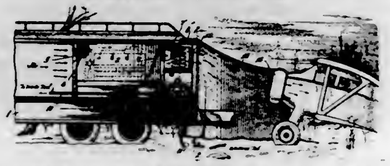
upon the surface of the liquid therein; an axially disposed pin on said pan slidably engaging said bearing; and means for heating said liquid.

2,273,501
BACK DRAPE SUPPORT FOR CASKET TRUCKS
Harvey A. Sullins, Gower, Mo.
Application April 5, 1941, Serial No. 387,092
6 Claims. (Cl. 27—27)



1. An attachment for a casket truck having vertical wheel supported legs, comprising a vertically disposed frame, and a horizontal, means coupled with the frame adapted to lie across and have connection with the top ends of said legs whereby the frame will be supported from the truck, at one side of the truck.

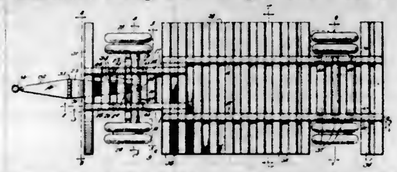
2,273,502
WARMING UP AND DRYING OUT MEANS FOR AUTOMOTIVE EQUIPMENT
Kibbey W. Couse, Newark, N. J.
Application January 13, 1940, Serial No. 313,708
3 Claims. (Cl. 98—1)



1. Means for warming and drying automotive equipment in the field including, a travelling machine-shop cruiser having its own engine delivering driving power and heat, the cruiser also having other sources of heat such as an auxiliary engine and air compressor, a chamber on the cruiser for collecting heat from at least some of said sources, and a flexible hood extending from the chamber to the part of the automotive vehicle to be warmed and dried, and means for forcing the heated air from the chamber through the hood to the part on said vehicle covered by the hood.

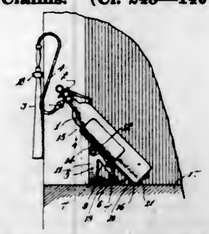
2,273,503
LOW FLOOR LEVEL TRAILER
Kibbey W. Couse, Newark, N. J.
Application December 5, 1940, Serial No. 368,618
9 Claims. (Cl. 280—106.5)

1. In a low floor level trailer having, front and rear axles and wheels with draft means attached to the front end of the trailer, longitudinal frame members extending over said axles, cross-members carried in spaced relation by said longitudinal members along their length and means for



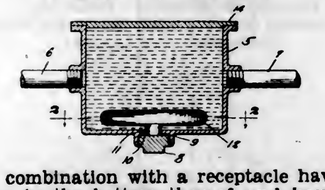
covering the entire bottom of the trailer with a substantially smooth covering.

2,273,504
MEANS FOR MOUNTING FIRE EXTINGUISHERS ON AUTOMOTIVE VEHICLES
George M. Beimer, Lodi, N. J., assignor to Couse Laboratories, Inc., Newark, N. J., a corporation of New Jersey
Application December 5, 1940, Serial No. 368,643
6 Claims. (Cl. 248—140)



6. Means for mounting a hand fire extinguisher comprising a mounting bracket, a U-shaped saddle for receiving and gripping the extinguisher, the saddle itself having inherent stiffness and resilience to grip the extinguisher around its central portion, and also having an unobstructed end, thereby leaving one end of the extinguisher free, and pivotal means completing a union between the bracket and the saddle, the bracket being adapted to be mounted at a height whereby the extinguisher may be easily pulled from the saddle by a direct end pull on its free end onto the back or shoulder of an operator.

2,273,505
CONTAINER
Raymond R. Florian, Monroe, Mich.
Application April 28, 1939, Serial No. 270,691
1 Claim. (Cl. 138—28)

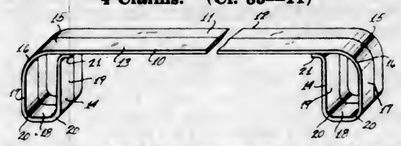


The combination with a receptacle having an opening in the bottom thereof and having inlet and outlet pipes connected with the receptacle and disposed in a horizontal line drawn through the center of the receptacle, of a substantially shallow circular hollow body portion constructed of rubber material, fitted within the receptacle, through the opening in the bottom of the receptacle, a neck forming a part of the body portion through which air is directed to the body portion inflating the body portion, said neck being fitted within the opening in the bottom of the receptacle, the upper surface of the hollow body portion being spaced an appreciable distance below the direct line of flow of water through the pipes and receptacle, and means for removably securing the neck of the body portion, within the opening in the bottom of the receptacle.

2,273,506
RECLAIMING OF RUBBER
Otto Bächle, Cologne, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 17, 1939, Serial No. 268,331. In Germany April 28, 1936
3 Claims. (Cl. 260—714)

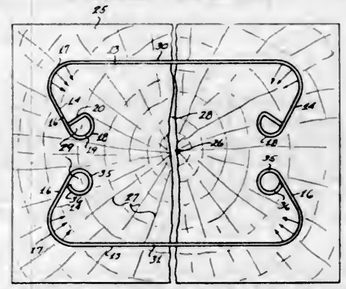
1. The reclaiming of vulcanized rubber scrap selected from the group consisting of natural rubber, polymeric butadiene-1.3 hydrocarbons and copolymerizates of butadiene-1.3 hydrocarbons with other copolymerizable compounds, by heating the same for from about ten to about twenty hours in the presence of a solvent to a temperature of from about 100 to about 140° C. while bubbling an oxygen-containing gas through the mix and in the presence of a monoarylhydrazine.

2,273,507
ANTISPLITTING DEVICE
Raymond E. Beegle, East St. Louis, Ill.
Application June 14, 1940, Serial No. 340,491
4 Claims. (Cl. 85—11)



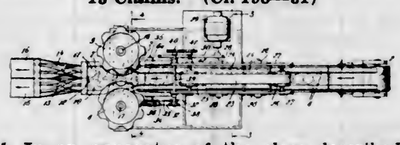
1. A split-checking iron constructed of a metal strip, shaped to provide a body of substantial length and a substantially closed terminal loop on at least one end of the body and projected laterally thereof, said loop having a substantially non-circular configuration and including an arcuate portion of substantial curvature, joining the loop to the body, and a terminal lug on said loop, projected outwardly thereof.

2,273,508
ANTISPLITTING IRON
Raymond E. Beegle, East St. Louis, Ill.
Application June 14, 1940, Serial No. 340,492
4 Claims. (Cl. 85—11)



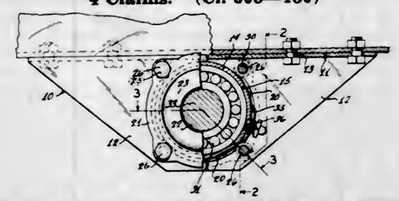
3. An anti-splitting device for hardwood cross ties, comprising a body member and arms members at the ends thereof, extending from the same side of the body member, a substantially closed, self-locking terminal at the free end of each arm, said terminal including rectilinear and curved portions, said body and arm members being relatively arranged and proportioned such that the device in application to a tie end, in either the upper or the lower half thereof, spans the spiking areas and intersects at substantially a right angle, the major radial lines in that half of an average center pith hardwood tie in which the device is embedded.

2,273,509
CAN-ARRANGING MACHINE
Cornelius I. Braren, Jamaica, N. Y., assignor to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application April 12, 1939, Serial No. 267,425
13 Claims. (Cl. 198—31)



1. In an apparatus of the class described, a stationary support having a substantially horizontal surface, means for feeding cans in upright position in a single line along the support, two spaced parallel shafts at right angles to the support, one positioned on each side of the line of cans, a plurality of lanes for receiving the cans, each of said shafts carrying two wheels having teeth and recesses in their peripheries adapted to cooperate with one another as the cans are fed between the wheels to provide can positioning pockets, the position of the said pockets as each can passes the center line between the wheels determining the lane which is to receive the can, the lower wheels on each shaft being arranged to rotate in close proximity to the surface of the support so as to coact with the lower beads of the cans, and the upper wheel on each shaft being arranged to coact with the upper beads of the cans.

2,273,510
SHEET METAL JOURNAL BOX
Otto H. Brauer, Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application July 31, 1940, Serial No. 348,721
4 Claims. (Cl. 308—180)



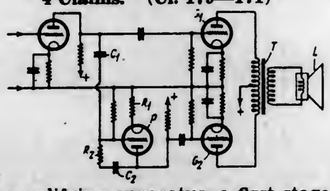
1. In a journal and journal box assembly for an axle of a light railway vehicle, an inverted channel member formed of a sheet steel stock, the opposite flanges thereof being substantially parallel, and being provided with substantially large registering journal-receiving apertures, a length of tubing bridging the flanges, extending substantially through the apertures, and being secured to the flanges by lines of welding metal along the zones of juncture of the tubing and flanges, a pair of opposed tapered roller bearing assemblies in the tubing element, and a pair of centrally and circularly shouldered plates provided with central apertures to receive the axle,

said plates and flanges being provided with registering bolt openings and bolts therein for detachably securing the plates in assembly to the flanges as closure elements for the opposite ends of the journal assembly, the bolts each extending through both plates and both flanges in regions adjacent the tubing element.

2,273,511
MEANS TO TRANSFORM AN ALTERNATING POTENTIAL

Lothar Brück, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 2, 1938, Serial No. 238,341
In Germany November 27, 1937
4 Claims. (Cl. 179—171)

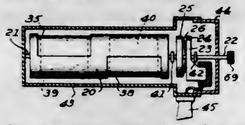


1. In amplifying apparatus, a first stage comprising an electron discharge tube, a second stage comprising two electron discharge tubes connected in push pull relation, a phase reversing electron discharge tube, means connecting the output circuit of said first named electron discharge tube to the input circuit of one of said push-pull tubes and to the input circuit of said phase reversing tube in parallel, means connecting the output circuit of said phase reversing tube to the input circuit of said other push pull tube, and means for controlling the amplification characteristics of said phase reversing tube comprising between the output and input circuits thereof a negative voltage feedback circuit and an independent current feedback circuit.

2,273,512
VIEWING INSTRUMENT FOR STEREOSCOPIC PICTURES AND THE LIKE

Geoffrey D. Caldwell and George M. Hathorn, Claude, Tex.

Application March 16, 1938, Serial No. 196,144
2 Claims. (Cl. 88—16.6)



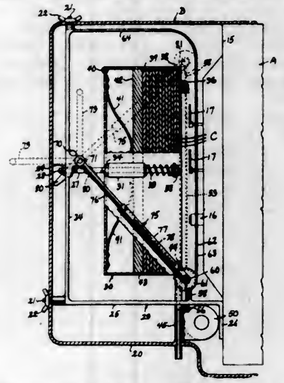
1. A viewing instrument for stereoscopic pictures and the like comprising a shutter housing with eye holes therein, a motor housing rotatably journaled with respect to said shutter housing, a single phase synchronous electric motor secured in said motor housing, shutter means adapted to alternately open and close the eye holes, said shutter means being journaled on the motor shaft whereby rotation of the motor housing rotates the shutter means regardless of whether the shutter is operating.

2,273,513
DEVICE FOR PRINTING METER READINGS

Chester M. Carlton, McIvor, Mich.

Application May 23, 1940, Serial No. 336,843
7 Claims. (Cl. 101—69)

1. Mechanism for printing type characters on successive cards of a pack comprising means supporting the pack for movement toward and away from the type, an inked sheet movable into and out of cooperative relation to the type, control means including an operating member having a lost motion connection to the pack supporting means and a resilient connection to the sheet, said control means being partially advancible to dispose the inked sheet in cooperative relation to the type and further advancible to move said

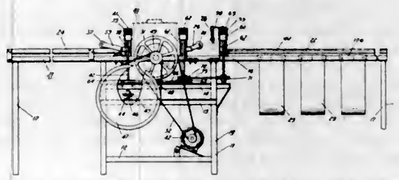


pack supporting means through said lost motion connection toward the type to dispose the foremost card of the pack in printing relation to the type, said control means being partially retractible to move the pack away from the type and further retractible to remove the foremost card from the pack.

2,273,514
VENETIAN BLIND CLEANING MACHINE

Earl A. Chamberlin, Cedar Rapids, Iowa

Application March 3, 1941, Serial No. 381,509
11 Claims. (Cl. 15—77)



1. In a washing machine, at least one pair of substantially vertical feed rolls, means for guiding slats to be washed into the feed rolls, at least one pair of opposed, circular scrubbing brushes disposed for rotation on a horizontal shaft adjacent the discharge side of the feed rolls, a pair of discharge rolls, means for receiving slats discharged from the discharge feed rolls, and means for rotating the feed rolls and rotating the scrubbing brushes.

2,273,515
FIRE-EXTINGUISHING LIQUID

Karl Dachlauer, Hofheim in Taunus, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 14, 1939, Serial No. 299,511. In Germany September 23, 1938
3 Claims. (Cl. 169—1)

1. The process of arresting a flame which comprises directing into the atmosphere in the neighborhood of the flame a chloro-, bromo- derivative of methane of the general formula

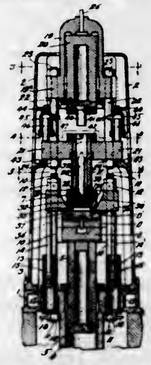
$$CH_xCl_mBr_n$$

wherein m, n and x are at least one, and $m+n+x$ is equal to 4.

2,273,516
INJECTION MOLDING MACHINE

Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey

Application December 12, 1940, Serial No. 369,709
8 Claims. (Cl. 18—30)



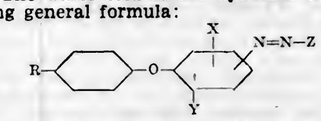
1. An injection molding machine including a mold-charging injection device comprising a vertically disposed injection cylinder and plunger and means for operating the plunger, a platen to support a molding die beneath said injection device in vertical axial alignment with said device and in opposed relation thereto, means supporting said device and platen in said relation to each other and supporting them also for vertical shifting individually, abutment means to limit downward shift of the injection device, abutment means to limit downward shift of said platen and so vertically located that downward shift of the platen thereto will break a charge delivery connection between said dies and injection device when the latter is engaged with its said abutment means, a mold-closing device to support and lift a companion die against said first die for mold closure and then lift both dies and through the dies lift said platen, effect a delivery connection between the platen-borne die and the injection device and by thrust through said delivery connection lift the injection device bodily from its supporting abutment means for sealing said connection, fluid pressure means to exert downward force upon the injection device for pressure-sealing of said delivery connection, and abutment means to limit upward movement of the platen and cooperate with said mold-closing device to clamp the dies together.

2,273,517
AZO DYESTUFFS SOLUBLE IN WATER

Erich Fischer, Bad Soden in Taunus, and Hans Henke, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 15, 1940, Serial No. 361,253. In Germany December 7, 1938
6 Claims. (Cl. 260—162)

1. The water-soluble azo-dyestuffs of the following general formula:



wherein the azo-group stands in one of the positions ortho- and para- to the oxygen bridge, X standing in meta-position to the azo-group means a member of the group consisting of hydrogen, chlorine, methyl and carbethoxy, Y stands for hydrogen, R for a member of the group consisting of butyl, hexyl, cyclohexyl and isooctyl, and Z for a member of the group consisting of a 1-sulfophenyl-5-pyrazolone radical and a 1 - acylamino - 8 - hydroxynaphthalene - disulfonic acid radical, being yellow and red powders which dye the animal fiber yellow and red shades of good fastness properties, especially of very good fastness to wet-processing and to light.

2,273,518
METHOD OF INSULATING ELECTRICAL CONDUCTORS

Walter E. Gloor, Milltown, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

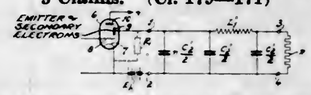
No Drawing. Application May 31, 1939, Serial No. 276,645
10 Claims. (Cl. 91—70)

1. In the preparation of electrical equipment comprising an electrical conductor and insulation therefor, the improvement which consists in subjecting the said conductor to immersion in a heat-stable, molten composition consisting essentially of ethyl cellulose and pine wood resin distinguished by substantial insolubility in petroleum hydrocarbons, solubility in alcohol, and by a methoxyl content of between about 3% and about 6% until the conductor is protected and insulated by the composition.

2,273,519
AMPLIFIER CIRCUIT

Johan Haantjes, Eindhoven, Netherlands, assignor to Radio Corporatio nof America, a corporation of Delaware

Application June 25, 1940, Serial No. 342,195
In the Netherlands September 8, 1939
5 Claims. (Cl. 179—171)



4. An amplifying circuit arrangement comprising an impedance constituted by the input impedance of a standard derived type of filter whose image impedance between the input terminals has the nominal value R which is equal to the image impedance of the corresponding basic type of filter and whose output circuit is terminated by an impedance matched to the image impedance between the output terminals, said circuit arrangement having a negative resistance element connected to the initial reactance element of said filter to produce therewith a composite impedance network having a negative power factor, that is, a negative ratio of real component to magnitude of imaginary component, determined by the ratio of the impedances of said elements, and wherein the magnitude of the impedance of said initial element is so altered as to reduce the magnitude of said power factor by the factor

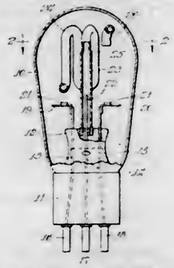
$$\frac{1}{n+1}$$

the value of n being given by the expression

$$\sqrt{1-\frac{R}{R_1}}$$

where R_1 is the magnitude of said negative resistance.

2,273,520
LIGHT SOURCE
Andrew F. Henninger and George D. Henninger, Chicago, Ill.
Original application December 23, 1937, Serial No. 181,361. Divided and this application September 26, 1940, Serial No. 358,404
6 Claims. (Cl. 176—122)



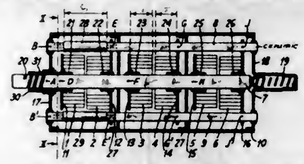
6. Means for providing a light source comprising in combination an outer envelope filled with a gaseous medium adapted to emit light when excited by the passage of electric current through it, an elongated translucent tube mounted in said envelope and having an opening to the interior of the envelope, the tube having an electrode therein at the mounted end thereof and remote from said opening, and the envelope having an electrode spaced from said opening, said tube comprising a plurality of undulations disposed in an annular path about an axis which extends perpendicularly to said last named electrode.

2,273,521
TREATMENT OF PECTINOUS MATERIALS
Paul Hirsch, Palermo, Italy, assignor, by mesne assignments, to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application November 21, 1935, Serial No. 50,871. In Germany November 26, 1934
2 Claims. (Cl. 260—210)

1. A process for converting water-insoluble pectin into water-soluble pectin, which comprises treating a vegetable material containing water-insoluble pectin with a liquid consisting of an organic acid in which the substances accompanying the pectin are soluble but in which pectin itself is practically insoluble, and separating the resulting solution from the residue containing the water-soluble pectin.

2,273,522
ADJUSTABLE SLIDABLE-ELECTRODE CONDENSER
Alexandre Horowitz and Herre Rinia, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 30, 1939, Serial No. 297,299
In Germany October 18, 1938
3 Claims. (Cl. 175—41.5)

1. An adjustable slidable condenser, comprising a housing having a pair of end walls, a plurality of pairs of cooperating fixed and movable electrodes contained within the housing, an operating shaft extending through one of the end walls carrying the several movable electrodes, at least one carrier rod for supporting the several fixed electrodes extending in the direction of adjustment and having one end affixed to the end wall through which the operating shaft extends and the other end freely mounted within the other end wall, at least one of the electrode carriers having at its end adjacent to the end wall through which the operating shaft extends a



metallic part whose temperature coefficient is such that the temperature dependency of the initial capacity of each of the several pairs of cooperating electrodes follows a certain predetermined regularity.

2,273,523
FENDER SHIELD CONSTRUCTION
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 28, 1940, Serial No. 363,094
1 Claim. (Cl. 280—153)

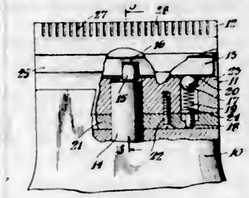


In a fender shield comprising a panel adapted to cover the wheel access opening in a fender having a shoulder on an inner face thereof, said panel having a substantially horizontal flange near its lower edge, a reinforcing bar secured to said horizontal flange, means for supporting said fender shield on said fender including an arm having an end thereof formed into a hook adapted to fit around behind and over said shoulder on said fender, an upright pin on said bar upon which said arm is pivotally mounted, said arm having a tail portion overlying said bar and seated thereon, said bar and said tail portion of said arm each having an elongated slot therein disposed at an angle with respect to the longitudinal axis of said bar and at an intersecting angle with respect to each other, different portions of said slots being in registry when said arm is in different angular positions with respect to said bar, and releasable clamping means passing through said slots for clamping said arm to said bar at a desired point of registry of the slots of said bar and said arm.

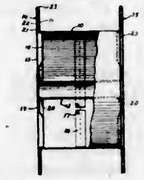
2,273,524
SHAVING DEVICE WITH OFFSET SLOTS
Jens O. Jensen, Miami Beach, Fla., and Bernard F. Connolly, New York, N. Y.; said Jensen assignor to said Connolly
Application October 1, 1937, Serial No. 166,738
8 Claims. (Cl. 30—43)

1. In a shaving device a relatively fixed shear member having a series of alternate slots and blades on each side of an intermediate longitudinally extending comb portion, each slot on one side communicating with a corresponding slot on the opposite side but laterally offset therefrom to pass over different areas of the face as the shear member is moved back and

forth in the general direction of the slots, the contiguous ends of the opposed slots being connected by a space widened to include both such contiguous ends, the teeth on one side comprising generally continuations, respectively of teeth on the opposite side but offset similarly to said slots; and movable shear means under said fixed shear member in shearing relation with said slots.

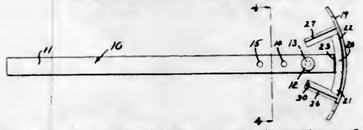


2,273,525
SPOOL
Bernard C. Johnson, Libertyville, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 2, 1939, Serial No. 302,475
1 Claim. (Cl. 242—123)



An all-metal spool comprising a sheet-metal tubular barrel having its end portions deflected radially to form annular flanges, heads for said spool in the form of integral sheet-metal discs, means securing said heads at their peripheries to the peripheries of said flanges, said heads being inwardly offset to form annular bosses defining annular external shoulders extending only part way into the respective ends of the barrel to closely fit the barrel ends to strengthen the barrel radially, the annular portions of said heads between their peripheries and the outer ends of said shoulders being inclined relative to said flanges to form braces for stiffening said flanges and holding them in their radial planes during winding of the spool, said heads having axial openings, and a tubular core extending with its ends through said openings and being secured to said heads to maintain the engagement of said shoulders with the barrel ends.

2,273,526
WIRE STRETCHING AND TWISTING DEVICE
Garnet C. Johnson, Pasadena, Calif.
Application December 6, 1940, Serial No. 368,794
8 Claims. (Cl. 140—123.5)

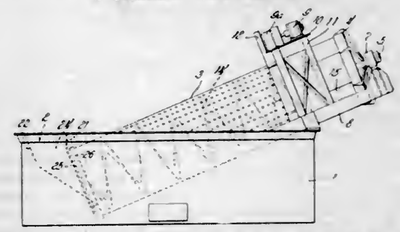


1. In a wire stretching and twisting device, a pair of arms, means to pivotally connect said arms, the arms including adjacent portions at the forward ends and spaced portions at the rear ends thereof, an arcuate engaging member arranged transverse to and secured upon the forward end of each arm, the engaging members being disposed in side by side relation, one of said engaging members having a notch therein at one end and having a tongue projecting beyond the notch and the other engaging member at the end remote from said one end having a second notch therein and having a second tongue projecting beyond the second notch.

2,273,527
TREATMENT OF PECTINOUS MATERIAL
Glenn Howe Joseph, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application February 26, 1936, Serial No. 65,926. In Canada February 28, 1935
24 Claims. (Cl. 260—210)

1. A method of treating pectinous material which comprises contacting the pectinous material with an acidic reagent incapable of dissolving the pectin to any appreciable extent, the reagent being adapted to materially alter the intrinsic setting time of the pectin to be extracted therefrom, the pectinous material being maintained in contact with the reagent for a period of time and at a temperature insufficient to destroy the gelatin characteristics of the pectin to be extracted, but sufficient to materially alter the intrinsic setting time thereof.

2,273,528
ROLLER SUPPORT
Edward J. Karp, Cicero, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a corporation of Illinois
Application December 23, 1940, Serial No. 371,333
4 Claims. (Cl. 141—1)

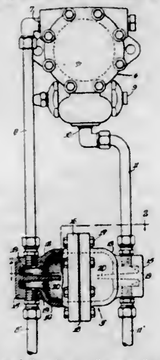


1. In a machine of the class described, the combination of a tank, a hopper, a stationary inner ring fixed to said hopper, said hopper discharging through said inner ring, a rotatably mounted inclined drum extending downwardly into said tank and having an outer ring adjacent its lower end, and a plurality of bearing rollers disposed between said rings maintaining them in concentric spaced relation.

2,273,529
HUM ELIMINATOR
William Ray Kiefer, Rockford, Ill., assignor to Sundstrand Engineering Co., Rockford, Ill., a corporation of Illinois
Application December 23, 1939, Serial No. 310,686
4 Claims. (Cl. 103—224)

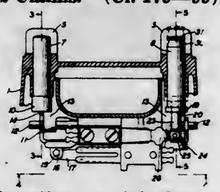
1. A fluid circuit comprising, in combination, a pump having an inlet port, a discharge port and a by-pass port, an intake line connected to the intake port of said pump, a by-pass return line connected to the by-pass port of said pump, and a hum eliminator device comprising a hollow casing, a non-metallic diaphragm divid-

ing said casing into two chambers, one of the chambers being connected in the intake line and



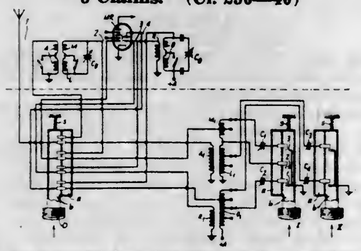
the other of said chambers being connected in the by-pass line to have the fluid flowing in the lines flow through the chambers.

2,273,530
TELEPHONE SET
Douglas H. King, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1938, Serial No. 198,825
12 Claims. (Cl. 179—99)



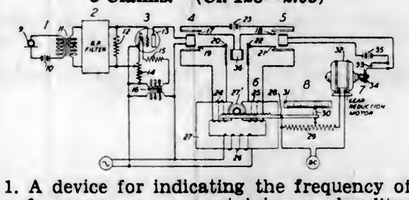
1. In combination, a telephone handset, a stand therefor having a cradle member in which the handset normally rests, a set of contacts, a plunger in said cradle movable under control of said handset for opening and closing said contacts, a second plunger movable independently of said first plunger for opening and closing said contacts, a second set of contacts, and means operated by a further movement of said second plunger for actuating said second set of contacts.

2,273,531
RECEIVER TUNING SYSTEM
Friedrich Kreienfeld, Berlin-Spandau, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 6, 1939, Serial No. 272,069
In Germany May 20, 1938
5 Claims. (Cl. 250—40)



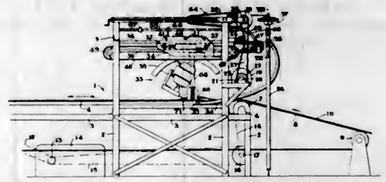
1. In a multi-band radio receiver, a circuit including variable tuning means for adjusting the receiver to receive signals in one of a plurality of bands, band switching means for enabling said circuit in cooperation with said variable tuning means to adjust the receiver to receive signals in a second band, a plurality of fixedly tuned circuits, each adapted for adjustment to a particular frequency in any of the bands, and push button means disconnecting entirely the first mentioned circuit and selectively controlling the operation of the fixedly tuned circuits whereby the receiver will receive signals in all bands independently of the band switching means.

2,273,532
LOW FREQUENCY INDICATOR AND RECORDER
Clarence A. Lovell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1938, Serial No. 243,623
3 Claims. (Cl. 128—2.05)



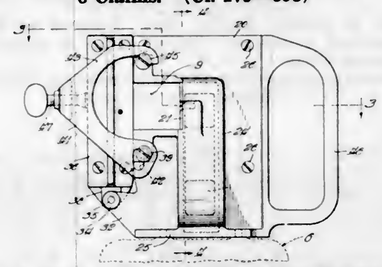
1. A device for indicating the frequency of a low frequency source containing a plurality of other frequencies comprising filtering means for selecting the low frequency to be measured, an impulse generator the pulse frequency whereof is reponsive solely to said selected frequency, a variable speed driving means of high speed stability, a second impulse generator having a pulse frequency proportional solely to the speed of said variable speed means, a relay means for each of said generators adapted to respond independently and synchronously with the pulses generated by its associated generator, control means interconnecting said relay means adapted to control the speed of said variable speed driving means so that pulses therefrom are maintained in synchronism with the pulses from the first-named generator, and an indicator associated with said control means to indicate said selected frequency.

2,273,533
APPARATUS FOR HOLDING RUBBER TIRE STOCK DURING CUTTING OPERATIONS THEREON
George L. Mather, Newark, Ohio, assignor to The Pharis Tire and Rubber Company, Newark, Ohio, a corporation of Ohio
Application May 3, 1941, Serial No. 391,774
8 Claims. (Cl. 164—76)



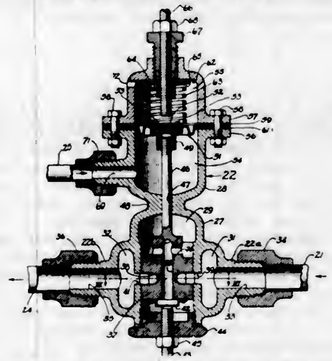
8. In apparatus for cutting sheet material during movement thereof, conveyor means for supporting and moving the material to be cut, cutting means, means for simultaneously moving said cutting means in the same direction as and in unison with said conveying means and in another direction relative thereto to sever material thereon, means for moving said cutting means in a direction opposed to that of said conveying means to return the same to a starting position, vacuum operated means for holding the sheet material to prevent movement thereof relative to said conveying means while the cutting means is severing the material, and means for rendering said holding means inoperative during movement of said cutting means in the direction opposed to that of said conveying means.

2,273,534
SPLIT CORE TRANSFORMER
Chester F. Mitchell, Wheaton, Ill., assignor to H D Electric Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1939, Serial No. 255,573
8 Claims. (Cl. 175—358)



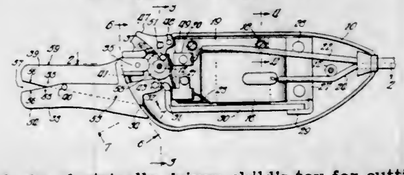
1. A split core current transformer comprising a core having two separable sections cooperating to provide a conductor receiving passage through an annular magnetic circuit when held together, means to hold said sections together, a secondary coil wound about one section, a protective housing for said coil cooperating with said section to completely enclose said coil, said housing including a portion of non-conducting material extending through the core and separating the coil from a conductor in said passage, the other portions thereof being of metal.

2,273,535
CONTROL DEVICE FOR REFRIGERATING SYSTEMS
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application May 8, 1939, Serial No. 272,302
2 Claims. (Cl. 137—153)



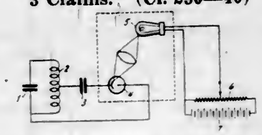
1. A control valve comprising a casing having aligned superimposed chambers, a fluid inlet and a fluid outlet in one of said chambers, a piston in said one chamber between the inlet and outlet, a peripheral recess in said piston for connecting said inlet and outlet when in registry therewith, an axial recess in said piston for maintaining the piston in pressure balance, a screw in the end of said one chamber defining an adjustable seat for said piston, a diaphragm extending entirely across an intermediate portion of the other of said chambers to divide the latter into two compartments, a piston rod connecting said diaphragm and piston, a spring in one of said compartments abutting said diaphragm on the side opposite its connection to said piston, threaded means in said one compartment for adjusting the pressure of said spring, a screw in said threaded means for limiting movement of said diaphragm in one direction, and means for transmitting fluid under pressure, other than from said inlet and outlet in the one chamber, into the other of said compartments and against said diaphragm in opposition to the pressure of said spring, said screws being adjustable for locking said piston in any position and for limiting its movement between positions in which said peripheral recess is either in or out of registry with the inlet and outlet in said one chamber.

2,273,536
ELECTRICAL SHEARS
James Pollak, Chicago, Ill., assignor to General Transformer Corporation, Chicago, Ill., a corporation of Illinois
Application May 13, 1940, Serial No. 334,857
11 Claims. (Cl. 30—228)



1. An electrically driven child's toy for cutting paper comprising a housing, a stationary blade associated with said housing, a vibrating blade pivotally mounted on said stationary blade exteriorly of said housing and at a point closer to the end of said stationary blade than to said housing, the inner end of said vibrating blade extending into said housing, and electromagnetic means positioned within said housing and associated with said inner end of said vibrating blade for actuating the same, the outer ends of said blades forming an opening smaller than the diameter of a child's finger.

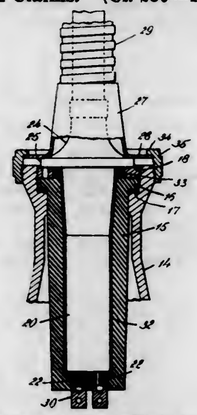
2,273,537
REMOTE TUNING CONTROL MEANS
Hans Rehder, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 18, 1939, Serial No. 285,217
In Germany July 18, 1938
3 Claims. (Cl. 250—40)



1. Means for controlling from a remote point

the tuning of a parallel resonant circuit consisting of fixed inductance and capacity, comprising a photo-electric cell, means including a condenser for coupling said cell in parallel to at least a portion of the resonant circuit whereby the electrostatic capacitance of the cell is reflected into the circuit, means including a source of light adapted to direct a steady, uninterrupted light beam upon said cell to control the effective capacitance of said cell, the intensity of said light source determining the amount of capacitance reflected into the circuit and consequently its tuning, and means at a remote point for varying the intensity of said light source.

2,273,538
X-RAY APPARATUS
Thomas H. Rogers, New Canaan, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application July 26, 1940, Serial No. 347,611
14 Claims. (Cl. 250—104)



1. In X-ray apparatus which includes a housing and an X-ray tube immersed in an insulating liquid within the housing, means for supplying high potential energy to the tube which comprises a socket of insulating material mounted in an opening in the wall of the housing and provided near its closed end with at least one terminal having portions exposed both inside and outside the socket, a connection inside the housing between the socket terminal and a terminal on the tube, a cable connected at one end to a source of energy, an insulating sleeve mounted on the other end of the cable and provided with at least one terminal connected to a conductor within the cable, the sleeve being mounted in the socket with the sleeve and socket terminals in contact, a body of high dielectric deformable medium within the socket filling the space between the opposed surfaces of the socket and sleeve, deformable insulating means contacting with the sleeve and socket and closing the outer end of the space between them for sealing the body of insulating medium in place, and means for holding the sleeve within the socket.

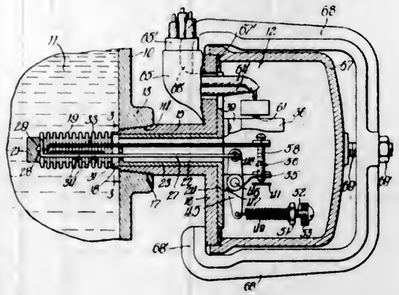
2,273,539
ADJUSTABLE FENDER SHIELD
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 1, 1939, Serial No. 293,013
14 Claims. (Cl. 280—153)

1. A fender shield comprising a sheet metal panel curved vertically and longitudinally, and means extending between and adapted to contact



opposite edges of said panel, said means being adjustable to vary the distance between said opposite edges.

2,273,540
PRESSURE AND TEMPERATURE RESPONSIVE DEVICE
Boyd H. Smith, Shelby, Ohio, assignor to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application November 18, 1938, Serial No. 241,143
26 Claims. (Cl. 200—83)

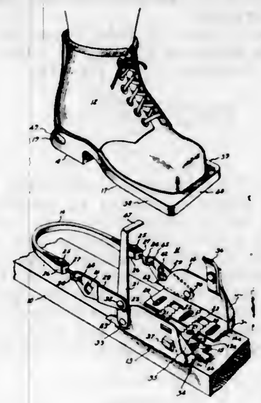


1. In pressure and temperature responsive apparatus for transformer tanks and the like, the combination of a member associated with an opening in the tank and responsive to the pressure therein, said member serving to seal said opening closed, another member also associated with said opening and responsive to the temperature within said tank, and switch means actuated by said pressure and temperature responsive members, said temperature responsive member and said switch means being removable from said tank without disturbing the sealing function of said pressure responsive member.

2,273,541
SKI HARNESS
John S. Summerhayes, Schenectady, N. Y.
Application January 4, 1939, Serial No. 249,267
11 Claims. (Cl. 280—11.35)

1. A harness for securing a ski on a boot comprising a pair of upright toe pieces, means for mounting one of said toe pieces parallel to the longitudinal axis of a ski, said one of said toe pieces having a length of the order of one-third to one-half that of a boot to be used therewith, means for limiting forward movement of the boot between said toe pieces and for preventing upward movement of the end of the toe of a boot between said toe pieces, and resilient means for holding a boot in place between said toe pieces and against said forward movement limiting

means, said toe pieces constituting the sole effective means for restraining the boot against lateral movement with respect to the ski, the inner upright sides of said toe pieces being free



from obstructions whereby a boot may swing freely angularly toward and away from the ski about a transverse axis adjacent the front ends of said toe pieces.

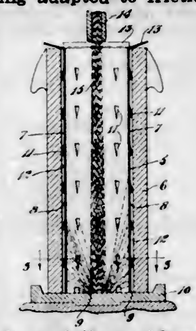
2,273,542
DIAPER
Robert A. Tasker, Syracuse, N. Y., assignor of one-third to Harley M. Gates, Syracuse, N. Y.
Application September 27, 1938, Serial No. 231,928
3 Claims. (Cl. 128—284)



1. A diaper oblong in general form and consisting of layers of material having their side margins gathered forming the diaper between the side margins with transverse wrinkles or corrugations, particularly in the portion which comes in the crotch of the child, the transverse wrinkles or corrugations in the crotch portion forming a sack when the diaper is applied to the child, the gathering in the side margins being secured.

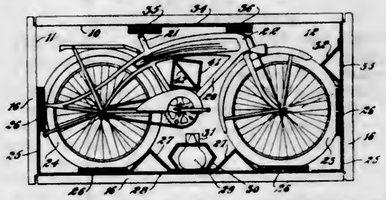
2,273,543
INGOT MOLD LINER
Percy M. Terrill, Weirton, W. Va., assignor to Ruth L. Spach, Canton, Ohio
Application November 8, 1940, Serial No. 364,829
7 Claims. (Cl. 22—139)

1. A tubular sheet metal liner for an ingot mold including a wall having laterally spaced openings at its bottom end, said wall having vertically spaced tangs bent outwardly therefrom forming openings therein, and the outer ends of said tangs being adapted to frictionally engage



the inner surface of the mold walls when the liner is positioned in the mold.

2,273,544
CARTON
Paul F. Vandervort, Canton, Ohio, assignor to General Container Corporation, Cleveland, Ohio, a corporation of Ohio
Original application July 5, 1938, Serial No. 217,461. Divided and this application July 12, 1940, Serial No. 345,122
2 Claims. (Cl. 229—23)

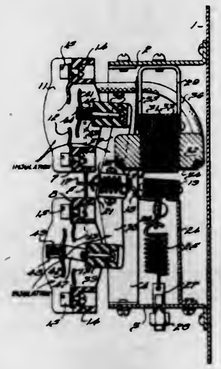


1. A carton formed of corrugated paper including elongated rectangular side walls having outturned, angular flanges at their upper and lower edges and co-extensive therewith, end walls having angular flanges at their ends lapped over and connected to the adjacent end portions of the side walls, and outturned angular flanges at their upper and lower edges of greater length than the end walls and terminating at the ends of the upper and lower flanges of the side walls in outwardly disposed ends located in the same planes as the body portions of said outturned angular flanges, and rectangular top and bottom walls having their edge portions overlying and stitched to said upper and lower angular flanges respectively of the side walls and end walls including outwardly disposed ends of the latter flanges.

2,273,545
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application September 22, 1937, Serial No. 165,023
15 Claims. (Cl. 200—104)

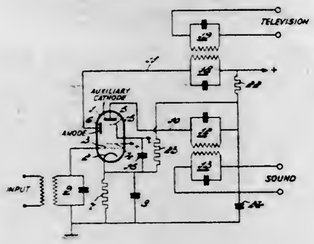
1. An electromagnetically operated electric switch comprising an insulating block having a plurality of vertically elongated, horizontally spaced slots extending from the front to the back face thereof in side by side relation, a pair of vertically spaced stationary contacts in each slot and having terminals accessible from the front of the block, movable contacts adapted to bridge

said stationary contacts, supporting means for said movable contacts movable in said slots from the back of said block, a magnet structure in back of said block and including an energizing



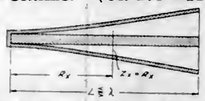
coil and a rotatable armature member operatively connected to said movable contact supporting means to effect movement of said movable contacts to perform the switching operation.

2,273,546
RECEIVING SYSTEM
Adelbert van Weel, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1940, Serial No. 342,263
In the Netherlands October 10, 1939
2 Claims. (Cl. 178—5.8)



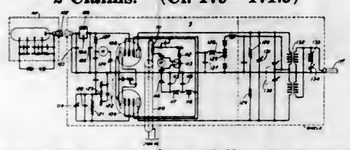
1. A circuit for amplifying and separating two signal-modulated carriers of different frequencies, comprising an electron discharge tube having at least a cathode, a control grid, a secondary-emitting auxiliary cathode and an anode, means for simultaneously impressing both carrier frequencies upon the control grid, a pair of impedances each included respectively in the circuit of the auxiliary cathode and in that of the anode and each having respectively a high value for one of the carrier frequencies to be separated, the anode of said tube being disposed outside the path of the electrons passing from the cathode to the auxiliary cathode, a grid-shaped electrode electrically separated from said anode within the tube arranged at a short distance in front of the auxiliary cathode and approximately parallel to the latter, said grid-shaped electrode having impressed thereon a high positive potential and being connected to the cathode through an impedance which is negligible for alternating current.

2,273,547
OHMIC RESISTANCE FOR ULTRA-SHORT WAVES
Rudolf von Radinger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 19, 1939, Serial No. 300,161
In Germany October 28, 1938
3 Claims. (Cl. 178—44)



1. A circuit arrangement exhibiting substantially pure ohmic resistance characteristics especially for use in ultra-short wave work, characterized by a dissipative double-wire transmission line unilaterally short-circuited and of a length exceeding one twentieth of the wave length, and being of such a form that the characteristic impedance of each line element is equal to the ohmic resistance of the line portion between this line element and the short-circuited line end.

2,273,548
MODULATOR
Charles L. Weis, Jr., Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application February 3, 1940, Serial No. 317,104. Divided and this application September 24, 1940, Serial No. 358,054
2 Claims. (Cl. 179—171.5)



2. A modulating system of the suppressed carrier type comprising a pair of electric discharge tubes, each including a cathode, an anode, a control grid and a second grid between said cathode and control grid and an output circuit, means for impressing negative biasing potentials on said control grids independently, means for impressing modulating currents on one of said control grids only, means to impress carrier current on said second grids in like phase relation, means to impress positive biasing potentials on said second grids, and means coupling the output circuits of said tubes together and to a work circuit to suppress the unmodulated component of carrier current in said work circuit.

2,273,549
OIL GAUGE
Walter K. Youngberg, Meriden, Conn.
Application August 14, 1939, Serial No. 290,115
14 Claims. (Cl. 33—126.7)

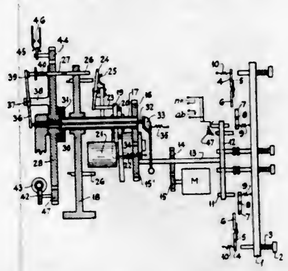
1. In an oil gauge device, an elongated gauge member, a gauge receiving member having an aperture through which said gauge member is insertable in one angular position of said members relative to each other, and interlocking mechanism on said members for requiring, after an initial insertion of said gauge member in said aperture to a predetermined depth, the insertion of said gauge member to full depth before permitting withdrawal and longitudinal separation thereof in another angular position, including

abutments on said receiving member and gauge member movable into obstructing relation with one another after said initial depth insertion and also including means preventing the movement of said gauge member into said other angular position unless and until said gauge is inserted to its full depth.



14. In an oil gauge, a cover member having a marginal portion and an annular countersunk portion eccentrically disposed relative to said cover member, and also having communicating apertures in said countersunk portion disposed eccentrically with respect to said countersunk portion and through which a gauge member is insertable, and gauge member engaging abutments oppositely located with respect to one another on said marginal portion.

2,273,550
IMPULSE SENDER
Georg Zapf, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application May 25, 1938, Serial No. 210,042
In Germany June 15, 1937
8 Claims. (Cl. 179—90)



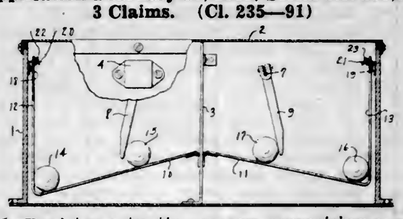
4. In an impulse sender, a series of elements, a set of keys for controlling the marking off of any desired portion of the series, the portions corresponding to different keys containing different numbers of said elements, motor driven means thereafter associated with the elements of the marked-off portion in sequence and effective to control the transmission of impulses of a number dependent upon the number of elements in said portion, and means controlled by the actuation of any key to store driving power in the motor for said last means.

2,273,551
CAP FOR INGOT MOLDS
Ralph D. Zweier, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application June 14, 1939, Serial No. 278,990
4 Claims. (Cl. 22—139)



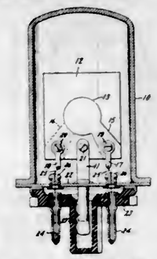
1. A cap for ingot molds comprising a body portion having a face, a plurality of ribs extending outwardly from said face and a plurality of recesses extending inwardly from said face.

2,273,552
REGISTER ACTUATING MEANS
Everett L. Bacon, Houston, Tex.
Application February 27, 1939, Serial No. 258,619
3 Claims. (Cl. 235—91)



1. Register actuating means comprising a casing, an adjustable inclined guide therein forming a track, an oscillatable register actuating lever whose free end is adjacent the track, a stop, spherical bodies on opposite sides of the free end of the lever and on the track normally held by gravity, one against the stop and the other against the lever to hold the lever in one position, said bodies being movable along the track under the influence of their inertia one away from the lever and the other against the lever to actuate the lever to another position, then after said movement, the balls being movable by gravity to original positions whereby the lever will be returned to starting position.

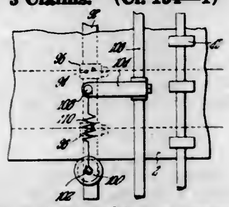
2,273,553
PIEZOELECTRIC CRYSTAL MOUNTING
Charles F. Baldwin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 27, 1938, Serial No. 237,237
21 Claims. (Cl. 171—327)



1. A piezo-electric crystal whose operating fre-

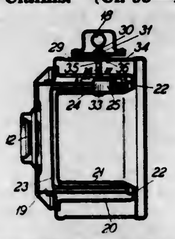
quency is higher than its fundamental frequency and greater than a megacycle, said crystal having an aperture formed therethrough near the periphery thereof, and supporting means extending through said aperture and secured to said crystal in rigid supporting relation therewith.

2,273,554
MANUFACTURE OF LAMINATED MATERIAL
Leroy F. Bannon, Norwich, Conn., assignor to Atlantic Carton Corporation, Norwich, Conn., a corporation of Connecticut
Application February 14, 1940, Serial No. 318,871
3 Claims. (Cl. 154—1)



1. Apparatus for making a composite reinforced web comprising, pairs of coacting rolls spaced longitudinally of the machine for receiving superposed webs of material therebetween and pressing the same together, means for supplying separate webs in superposed relation to said rolls, means for applying adhesive to the surface of one of said webs, a support for a plurality of supplies of reinforcing strips, means for applying adhesive to a plurality of reinforcing strips, guide means for guiding reinforcing strips between webs prior to entrance thereof between said rolls in predetermined spaced arrangement relative to one another and to an edge of said webs including a support member slidable back and forth transversely of the machine having separate reinforcing strip guide members, means for moving said support member accordingly as said superposed webs move axially of said rolls including a contact member on said support member for engaging an edge of said webs and spring means acting on the support member causing said contact member to engage and follow said edge of the webs as said edge moves back and forth.

2,273,555
CAMERA CONSTRUCTION
Herbert S. Barnhart, New York, N. Y., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 22, 1939, Serial No. 285,883
2 Claims. (Cl. 95—45)

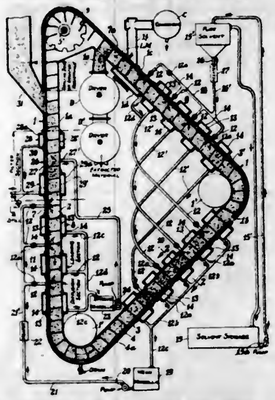


1. A photographic camera having a casing, a view finder member rotatably mounted with respect to one wall of said casing for movement into and out of alignment with the optical axis of the camera, an objective lens on said camera, a supporting member for said objective movable between an extended operative position and a retracted position with respect to said casing, and means operatively connecting said finder member and said supporting member for movement of the latter into its extended and retracted positions when said finder member is moved into and out of alignment with the optical axis of the camera, said connecting means comprising a cam operatively connected to said finder member, and corresponding opposed cam surfaces associated with said supporting member.

2,273,556
AROMATIC ESTERS AND THE MANUFACTURE THEREOF
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 1, 1938, Serial No. 217,023
10 Claims. (Cl. 260—471)

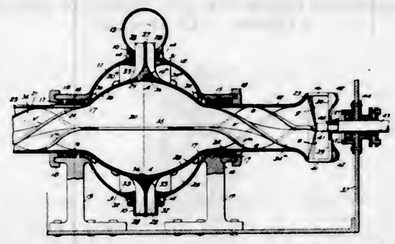
1. A process for the manufacture of esters, which comprises forming a mixture of an organic acid of the formula HOOC—CH_2—NHR, where R represents a p-hydroxyphenyl group, with an excess of an aliphatic alcohol having 3–5 carbon atoms, saturating this mixture with hydrogen chloride gas, warming the mixture for 4–20 hours at a temperature such as obtains in a steam bath, removing at least a portion of the unreacted alcohol, precipitating the ester hydrochloride in an aqueous alkaline solution and recovering the aromatic ester from the solution.

2,273,557
SOLVENT-EXTRACTION PROCESS AND APPARATUS
Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware
Application August 12, 1939, Serial No. 289,791
11 Claims. (Cl. 202—39)



5. A process of continuous solvent extraction of oil-bearing solid materials consisting in providing a continuous conduit-conveyor, feeding to and continuously moving solid material through said conduit-conveyor while maintaining the same in substantially filled condition to produce, in said conduit-conveyor, a columnar body of solid material having a given amount of frictional resistance to the flow of liquid-solvent, dividing, into a plurality of units, the total amount of friction in said columnar body by providing solvent outlets that divide said columnar body into a plurality of treating zones, passing liquid-solvent through an inlet in each of said zones of said body of solid material during movement thereof, regulating the rate of flow of said liquid-solvent to flood said zones, and withdrawing used solvent from said zones through said outlets.

2,273,558
PUMP
Walter K. Burgess, Riverside, Calif.
Application October 18, 1940, Serial No. 361,745
17 Claims. (Cl. 103—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A multi-stage fluid pump having, in combination, a feed screw, a centrifugal impeller having a center intake at the fluid-exit end of the screw, a chamber enclosing the centrifugal impeller for receiving the fluid-discharge of the centrifugal impeller and having an annular Venturi-like fluid exit passage, an evacuating propeller in the chamber for boosting the fluid flow toward the Venturi-like fluid exit passage of the chamber, an annular outlet chamber in communication with the Venturi-like fluid exit passage of the chamber, and a centrifugal impeller operatively associated with the first-mentioned centrifugal impeller to be rotated therewith and disposed between the fluid receiving chamber and the outlet chamber to receive the discharge from the fluid receiving chamber and to deliver it to the outlet chamber.

2,273,559
RECEPTACLE
Crystal Burnett, Clinton, Utah
Application February 14, 1941, Serial No. 378,985
3 Claims. (Cl. 132—79)

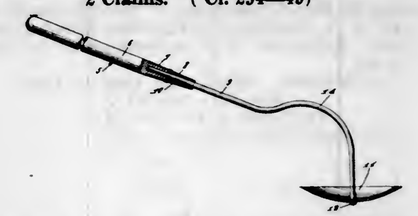


1. In a receptacle of the character described, a tubular barrel divided transversely into a pair of complemental sections complementarily equipped at one end for detachable connection of the sections in longitudinal alignment, one of said sections serving as a receptacle for powder and being open at its free end, a closure plug for said end of said one section, a lipstick having an end seated in the free end of the other of said sections, a protector cap for the lipstick detachably connected with said free end of the second-named section; and the first-named section having a tool shank secured to the free end thereof and extending into the second-named section when said sections are joined together.

2,273,560
METHOD OF COATING
William C. Calvert, Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 4, 1933, Serial No. 696,687. Divided and this application November 20, 1940, Serial No. 366,439
2 Claims. (Cl. 229—3.5)

1. A new article of manufacture for use as a material for forming a container comprising the combination of a sheet of paper, a layer of solvent-free thermoplastic resinous varnish superimposed thereupon and bonded thereto by a bond formed therebetween in the presence of solvent and an exposed superimposed preformed sheet-like thermoplastic medium mounted on the solvent-free surface of said varnish and adhesively adhering thereto, said thermoplastic medium being bonded to the solvent-free varnish layer by a bond formed therebetween under the action of heat but in the absence of solvent.

2,273,561
SHOVEL
Edward F. Cenis, Spokane, Wash.
Application July 29, 1940, Serial No. 348,191
2 Claims. (Cl. 294—49)



1. In a shoveling device, an elongated handle, a metal shank fastened to and extending longitudinally from one end of the handle, the said shank having a longitudinal curvature and having the outer portion bent laterally of the said longitudinal curvature to form an arcuate portion, the outer end of the shank terminating in a straight extension portion directed at an acute outward angle with reference to the axis of the handle, and a concave circular scoop secured to the outer end of the said shank.

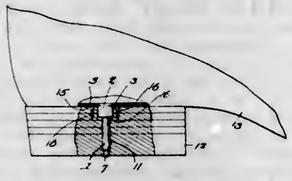
2,273,562
PHOTOGRAPHIC EMULSION
Edward P. Davey and Edward B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 25, 1940, Serial No. 347,489. In Great Britain August 29, 1939
9 Claims. (Cl. 95—7)

1. A sensitive silver halide photographic emulsion stabilized by the presence therein of a pyrimidine compound containing at least two like polar substituents selected from the group consisting of amino and hydroxyl groups.

2,273,563
GROUNDING CONTACT FOR FOOTWEAR
John Delamere, Denver, Colo.
Application May 3, 1941, Serial No. 391,815
1 Claim. (Cl. 128—383)

The combination with the ground-engaging portion of a shoe provided with a counterbored opening therethrough, of a grounding contact

including a guide sleeve seated in the opening, a hollow enlargement at one end of the sleeve seated in the counterbore, thereby to support the sleeve in the shoe, means for attaching said enlargement to the shoe, a screw plug constituting a closure for the enlargement and



accessible from within the shoe, a contact pin slidable in the sleeve, a head at one end thereof slidable in the enlargement, and a cushioning spring within the enlargement and bearing against the head and plug for holding one end of the pin normally projected beyond the ground-engaging surface of the shoe.

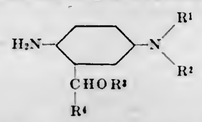
2,273,564

DIAMINO BENZYL ALCOHOLS AND PROCESS FOR MAKING SAME

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 21, 1939, Serial No. 269,218
10 Claims. (Cl. 260—574)

5. A compound having the formula:



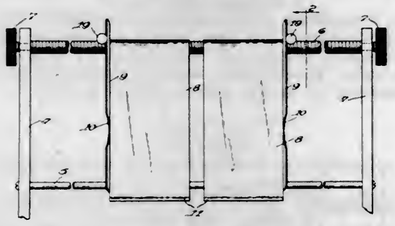
wherein R^1 is a member from the group consisting of hydrogen, alkyl, hydroxy alkyl, and alkoxy alkyl, R^2 is a member from the group consisting of hydrogen, alkyl, hydroxy alkyl, alkoxy alkyl, and lower aliphatic carboxy oxyalkyl, R^3 is a member from the group consisting of hydrogen, alkyl, hydroxyalkyl, and carboxylic acid acyl and R^4 is a member from the group consisting of hydrogen, alkyl and alkoxy alkyl.

2,273,565

STATIONERY-GUIDE ASSEMBLY

John E. Euth and Richard H. Colwill, Chicago, Ill., assignors to United Autographic Register Co., a corporation of Illinois

Application May 18, 1940, Serial No. 336,049
6 Claims. (Cl. 197—142)



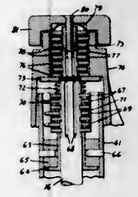
1. An adjustable stationery-guide assembly for a typewriting machine, comprising: a frame having a cross-bar; a threaded shaft journalled in said frame; and a guide-member comprising a stationery-supporting base portion and an upwardly extending side-wall having one end portion slidably resting on said cross-bar and the other end portion secured against radial displacement from said shaft, a spur gear frictionally journalled on said guide-member in toothed engagement with the thread of said shaft so that it will move the guide-member axially on said shaft when the shaft is rotated.

2,273,566

WASHING MACHINE

Erich Faber, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 16, 1937, Serial No. 169,421
5 Claims. (Cl. 68—133)



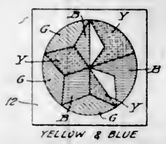
5. In a washing machine, an agitator, means for oscillating the agitator including a friction drive having frictionally engaging parts arranged between the agitator and an oscillatory driving member, and manually operable means for adjusting the pressure between said parts to values between zero and the pressure at which no slippage occurs between frictionally engaging parts whereby the angle of oscillation of the agitator is adjustable, said manually operable means including provisions for maintaining its adjusted position.

2,273,567

MULTIPLE SUBJECT AND MULTIPLE COLOR PICTURE

Robert G. Fishel, Evanston, Ill., assignor of one-third to Frederick I. Eppey, Detroit, Mich., and one-third to Arthur H. Watson, Highland Park, Ill.

Application April 4, 1938, Serial No. 199,793
4 Claims. (Cl. 95—5.1)



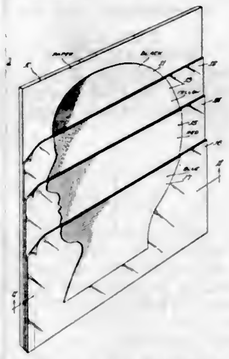
1. In combination, means providing a multicolor print presenting a picture of one subject, and a plurality of transparent films superimposed upon the print one upon another, said film having imprinted thereon transparent images, each in a different color and of different configuration, said picture of said print and said images being so composed one relative to the others that when said films are placed over said print with their images in register with one another and with the picture of said print, a picture new in configuration is formed differing from said first named picture both as to coloration and subject.

2,273,568

COLORED PRINT

Robert G. Fishel, Evanston, Ill., assignor of one-third to Frederick I. Eppey, Detroit, Mich., and one-third to Arthur H. Watson, Highland Park, Ill.

Original application March 14, 1939, Serial No. 261,820. Divided and this application November 13, 1939, Serial No. 304,200
2 Claims. (Cl. 41—26)



1. A colored picture comprising a backing and superimposed alternate layers of transparent water insoluble separating films and transparent ink images in different primary colors, the ink images being adhered to the films and separated thereby, the relative depth of ink in the several images being so proportioned that the thicker ink layers of one color and thinner ink layers of another color are superposed.

2,273,569

PROCESS FOR THE RECOVERY OF SILVER

August Goette, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.

No Drawing. Application January 19, 1939, Serial No. 251,833. In Germany June 26, 1937
4 Claims. (Cl. 75—105)

1. A process for the recovery of silver from waste photographic material containing a substance selected from the group consisting of silver and compounds of silver which comprises leaching out the waste material with a solution containing alkali cyanide and having a pH of more than 7, separating the silver-containing solution so formed from the residual material, and treating such silver-containing solutions for the recovery of silver therefrom.

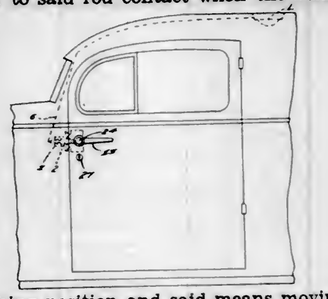
2,273,570

ILLUMINATING ATTACHMENT FOR VEHICLE DOOR LOCKS

Edward E. Greenlees, Flint, Mich.

Application September 11, 1940, Serial No. 356,378
4 Claims. (Cl. 240—2.13)

1. An illuminating attachment for the keyhole of a door lock comprising a door handle including a housing and a shaft, said housing having a window therein for the passage of the light rays to the keyhole, the shaft being rotatably arranged in the door, a push button slidably arranged in the housing, a lamp carried by the button and the rays of which pass through the window, a spring actuated live contact in the door frame, a spherical member, a non-conducting part in the door carrying the spherical member with the member projecting therefrom and engaging the live contact when the door is closed, a contact rod in the shaft engaged by a part of the lamp when the push button is pressed inwardly, and means for connecting the spherical member to said rod contact when the handle is



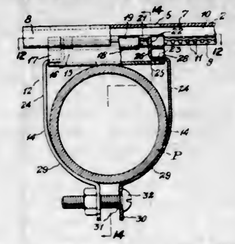
in latching position and said means moving out of contact with the spherical member when the handle is moved to unlatching position.

2,273,571

PIPE HANGER

Fred F. Hafemeister, Cleveland Heights, Ohio, assignor to The Cleveland Switchboard Company, Cleveland, Ohio, a corporation of Ohio

Application November 23, 1938, Serial No. 241,893
13 Claims. (Cl. 248—62)



13. In a pipe hanger construction, the combination of a rail, a base member slidably mounted on the rail, a pair of hanger arms pivotally supported adjacent the ends of said base member and formed with portions adapted, when the arms are advanced toward each other, to frictionally engage opposed areas on the under side of a pipe disposed below said base member and to move the pipe into frictional engagement with the base member, screw means for simultaneously advancing said portions toward each other, the upper end of at least one of said arms being formed with a lip adapted to engage the rail in clamping relation when the screw means has advanced the said portions into engagement with the pipe sufficiently to move the pipe into frictional engagement with the base, whereby the screw means coincidently effects the clamping of the base member to the rail and the clamping of the pipe to the base member.

2,273,572

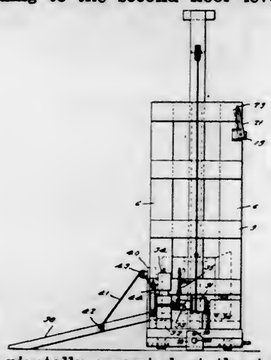
PORTABLE ELEVATOR

Martin M. Haider, St. Paul, Minn., assignor of one-third to Joseph G. Haider and one-third to Rudolph Mottl, both of St. Paul, Minn.

Application May 20, 1941, Serial No. 394,353
2 Claims. (Cl. 187—9)

2. A portable elevator comprising a wheel supported base, a skeleton shaft forming structure arising from said base and including a front side and a rear side, a lift in said shaft, power operated means for elevating the lift to different levels corresponding to floor levels of a building, means closing the front side of the structure above a level corresponding to the second floor

level, means closing the rear side of the structure from the bottom of the structure to a level corresponding to the second floor level, and a



stop yoke pivotally mounted at the top of the structure for swinging into the path of the lift to prevent elevation thereof out of the top of the structure.

2,273,573

PROCESS FOR TREATING ALCOHOL, AND CATALYST THEREFOR

Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 20, 1939, Serial No. 280,126

8 Claims. (Cl. 260—603)

1. A process for treating lower aliphatic alcohols, which comprises contacting the alcohol at a space velocity between 500 and 5000 with a copper catalyst that has a low tendency to dust and is essentially comprised of water-quenched copper pellets, 2 to 5 mesh size, obtained from molten oxides of copper.

7. A process of producing an active metal catalyst which comprises fusing metallic materials, of which a major portion consists of oxides of copper, pouring the fused materials in an attenuated condition while in a substantially liquid condition, into a quenching bath of water to produce substantially dustless metal pellets.

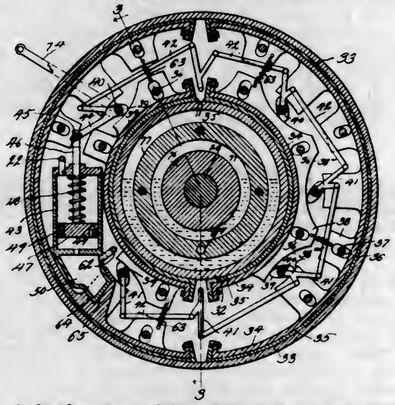
2,273,574

WHEEL BRAKE MECHANISM

Robert T. Humphrey, Longwood, Fla.

Application August 22, 1939, Serial No. 291,408

6 Claims. (Cl. 188—74)



1. A brake comprising internal and external rotatable brake drums, radially movable segmentally shaped brake shoes cooperating with said drums, cam surfaces carried by said brake shoes, rockable cams mounted between the cam surfaces of the brake shoes, link connections between said cams and disposed between the brake shoes for simultaneously rocking the cams and actuating means connected with one of the cams for rocking all of said cams through the link connections.

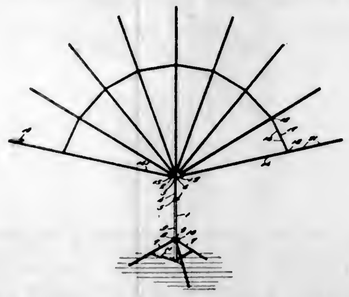
2,273,575

DISPLAY RACK

Newell G. Hurlbut, Joplin, Mo.

Application May 20, 1941, Serial No. 394,376

1 Claim. (Cl. 211—125)



A flower display rack comprising a foldable stand including an elongated rod section adapted to be disposed in upright position, a segmental plate fixed in said section to extend equidistantly upon opposite sides thereof intermediate the ends of the section with its arcuate edge uppermost, a plurality of rods pivoted at inner ends thereof on said plate upon opposite sides of said section with said ends spaced along said edge whereby said rods are swingable into and from outwardly diverging fanwise relation, means to limit swinging of said rods into diverging relation comprising pivoted links, pins on said rods and section for hanging floral sprays thereon, and means to lock said rods together against outward swinging comprising a loop member on one rod swingable over the outer ends of the other rods when said rods are swung from diverging relation.

2,273,576

REFLECTOR

William Irby, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application October 22, 1940, Serial No. 362,221

4 Claims. (Cl. 88—105)



1. A process for producing a reflector including the step of depositing a metal layer upon a supporting glass surface, thereafter applying a refractory mixture of enamel to the exposed surface of said metallic layer, then raising said reflector to the fusing temperature of said enamel mixture to thereby solidify said metallic layer and fuse it to the glass support, the said metallic layer being protected by said fused enamel mixture, and thereafter removing said fused enamel from said metallic surface.

2,273,577

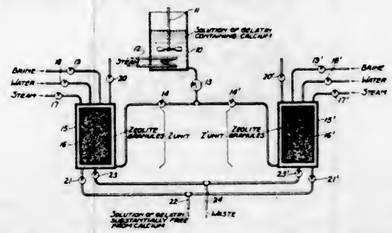
TREATMENT OF GELATIN

Edwin Ernest Jelley, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 23, 1939, Serial No. 296,320

In Great Britain November 22, 1938

7 Claims. (Cl. 260—118)



5. A process for removing calcium from gelatin comprising passing an aqueous solution of gelatin over a zeolite selected from the group consisting of base-exchanging alkali metal and ammonium zeolites, steaming the resulting calcium zeolite and then converting the steamed calcium zeolite to a zeolite selected from the group consisting of base-exchanging alkali metal and ammonium zeolites.

2,273,578

HOSE CLAMP

James T. King, Burbank, Calif.

Application April 3, 1941, Serial No. 386,718

6 Claims. (Cl. 24—19)



6. A flexible hose clamp comprising a flexible sheet metal band having a slot near one end, a bolt at the other end of the band, a combined bolt guide and trunnion member which includes trunnions and an elongated bolt guide, the latter being designed to project a substantial distance through said slot when the band and block are assembled with the band at the sides of the slot looped around the trunnions of the block, said bolt projecting through said bolt guide when the clamp is assembled on a hose, and a nut on the bolt for the application of clamping tension, said bolt guide lying between the trunnions and the hose, by virtue of which said bolt guide will lie adjacent the hose while the trunnions will lie spaced from the hose when the clamp is in use.

2,273,579

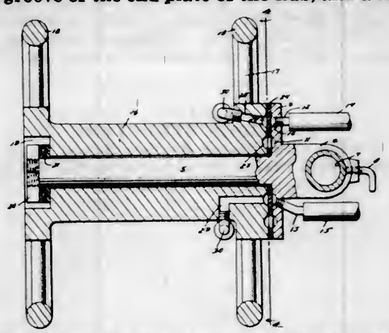
REEL

Eldon L. Krieg, South Whitley, Ind.

Application March 20, 1941, Serial No. 384,422

3 Claims. (Cl. 299—78)

3. A reel comprising a stationary support, a reel hub rotatably mounted on the support and adapted to have a hose wound thereon, an end plate on the hub having an annular groove in its outer face, passages in the plate connecting the groove with the hose, a plate on the support having one face abutting the outer face of the end plate of the hub, said last-named plate also having an annular groove communicating with the groove of the end plate of the hub, and a feed



pipe connected to said groove of the last-named plate.

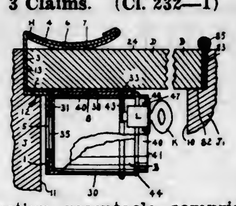
2,273,580

DOOR COLLECTION RECEPTACLE

William F. Kruschwitz, Warren V. Kruschwitz, and John S. Florenz, Methuen, Mass.; said Warren V. Kruschwitz, John S. Florenz and William F. Kruschwitz assignors to William F. Kruschwitz, trustee

Application October 9, 1937, Serial No. 168,260

3 Claims. (Cl. 232—1)



1. A collection receptacle comprising a one piece thin spring metal holder having several sections, the last section being substantially parallel with the first section and at right angles with the adjoining intermediate section and being adapted to engage the edge of a door; a box having one face fixed to and carried by the first section of the holder, there being a deposit opening through said fixed face and through the first section of the holder, said box also having a closure opening opposite the deposit opening; a movable cup member which fits inside the box and closes the closure opening; and means operable by a key from the outside to lock the cup member within the box and to unlock it therefrom.

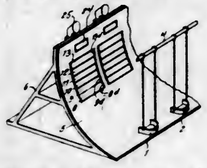
2,273,581

PASSENGER OPERATED SWING DEVICE

Walter Liebrecht, New York, N. Y.

Application March 29, 1941, Serial No. 385,917

13 Claims. (Cl. 272—57)



6. An amusement device comprising, a plurality of independently operated swings, an inclined wall constituting a support disposed adjacent said swings and in position to be reached by the

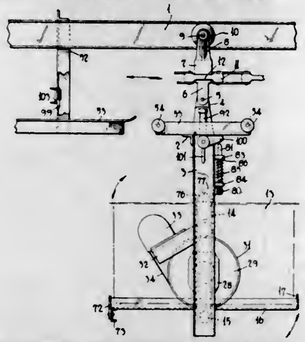
feet of the occupants of said swings as the swings move back and forth, switches carried by the support and adapted to be operated by the feet of the swing occupants, and electric signals controlled by operation of said switches.

2,273,582
FISHHOOK STRUCTURE
Joseph Cline Maire, Bradley Beach, N. J.
Application March 20, 1939, Serial No. 262,854
4 Claims. (Cl. 43—40)



1. The combination, with a fish hook, of a bait retaining plate secured to said hook, said plate having a plurality of indentations along its edge, serving as anchorage points preventing slipping of a flexible element used to fasten bait against said plate.

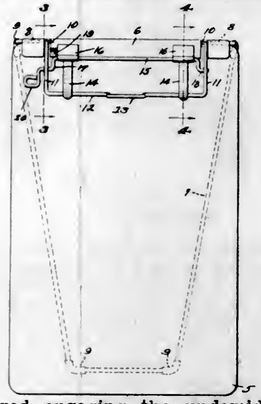
2,273,583
TROLLEY CONVEYER
Juluis A. Meister, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application July 30, 1940, Serial No. 348,562
13 Claims. (Cl. 214—60)



1. A conveyer comprising a movable carriage, a load carrying means supported by said carriage and movable with respect thereto, a spring connected between said carriage and said load carrying means for positively inverting said load carrying means with respect to said carriage to discharge a load therefrom, and latch means for normally retaining said load carrying means in load supporting position, said spring acting to hold said tray in inverted position after the material has been discharged.

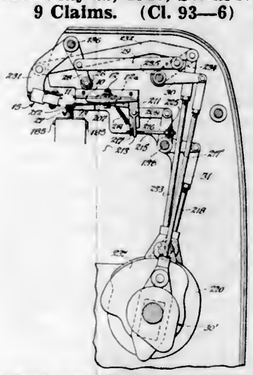
2,273,584
COPYHOLDER
Mark D. Moore, Bloomington, Ind.
Application April 1, 1940, Serial No. 327,337
1 Claim. (Cl. 24—66)

A copyholder comprising a support embodying a board, a substantially U-shaped clamp fitted over one end of the board and having cut-out portions, a clamping jaw embodying a length of heavy wire material of substantially U formation, the ends of the clamping jaw extending through the cut-out portions and disposed laterally, the laterally extended ends being pivotally held between said U-shaped clamp and end of the board, said clamping jaw overlying the support and adapted to clamp an article on the support, ears formed integral with the clamp, said ears being bent rearwardly providing bearings, an operating rod mounted for rotary movement within the bearings, offset members on the



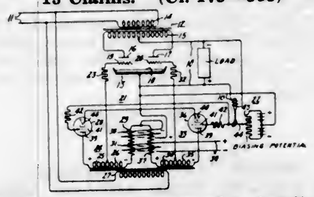
operating rod engaging the underside of the clamping jaw and adapted to move the clamping jaw away from the support, flat spring members secured between the clamp and support, the opposite ends of the spring members resting on the jaw normally urging the jaw into clamping relation with the support whereby an article is clamped to the support.

2,273,585
APPARATUS FOR FORMING SIFTPROOF BAG CLOSURES
Royal T. Moore, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York
Application May 22, 1940, Serial No. 336,504
9 Claims. (Cl. 93—6)



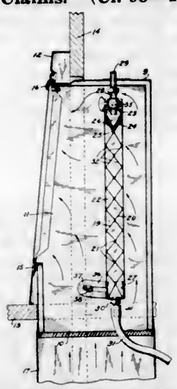
1. In a filled bag closing machine, an operating station comprising a creasing device adapted to form a crease in the collapsed mouth of a bag a certain distance above the enclosed contents, a second creasing device operative beyond said first device and simultaneously therewith and adapted to form a relatively narrow marginal return fold adjacent the extreme end of said collapsed bag mouth, and means movable transversely of the creased end of the bag to fold the end of the bag once upon itself along said first mentioned crease.

2,273,586
ELECTRIC VALVE CIRCUITS
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 6, 1940, Serial No. 344,280
13 Claims. (Cl. 175—363)



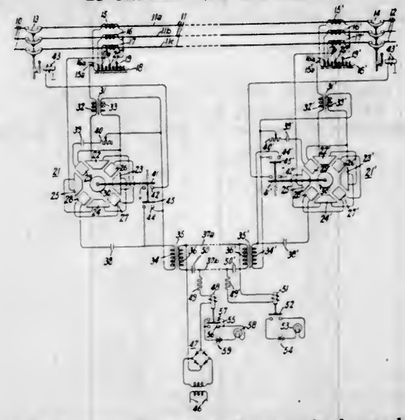
1. In combination, a supply circuit, electric translating apparatus, electric valve means including a control member interconnecting said supply circuit and said translating apparatus, an excitation circuit for energizing said control member to vary the conductivity of said electric valve means in accordance with an operating condition of said translating apparatus, said excitation circuit including parallel electric paths each including in series a source of periodic voltage and a variable impedance element, the impedance element in one of said paths comprising an electric valve and the other of said impedance elements comprising an impedance variable in response to the current conducted by said electric valve, and means for controlling the conductivity of said electric valve in response to variations in said operating condition of said translating apparatus.

2,273,587
AIR CONDITIONER
James E. Myers, Milwaukee, Wis., assignor of one-half to William F. Simonsen, Milwaukee, Wis.
Application October 26, 1940, Serial No. 362,984
5 Claims. (Cl. 98—109)



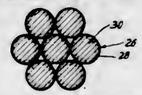
1. In combination with an air distribution box having a lower air inlet opening and an upper laterally directed air outlet opening, a flat air-pervious member having its upper end pivotally suspended in the upper portion of said box while its lower end is swingably adjustable across said inlet opening toward and away from said outlet opening, means for delivering a film of liquid across said member, and means for adjusting the angularity of said member relative to said outlet opening so as to vary the quantity of air passing therethrough from said inlet to said outlet openings while maintaining the total effective area of said inlet opening constant.

2,273,588
ELECTRIC PROTECTIVE ARRANGEMENT
John H. Neher, Merion, Pa., assignor to General Electric Company, a corporation of New York
Application April 2, 1940, Serial No. 327,453
13 Claims. (Cl. 175—294)



1. In a protective system for a polyphase alternating-current transmission line having two distant relaying stations at opposite ends of a line section thereof, means for providing a communication channel between said stations, means responsive to the line currents at each of said stations for deriving a relaying current therefrom, a relay at each of said stations comprising a plurality of windings, means for energizing one of said windings directly by said relaying current, means for energizing another of said windings with a component of current derived from said relaying current but displaced in phase therefrom whereby a relay operating torque is produced due to the interaction of the fluxes set up by the currents flowing in said windings, said last-mentioned winding at each of said stations being connected in opposed-voltage relationship through said first-mentioned means so that substantially no current flows therethrough to produce a relay-operating torque under sound conditions of said line section, and an additional winding on each of said relays energized with a component of current derived from said relaying current for producing a relay-restraining torque.

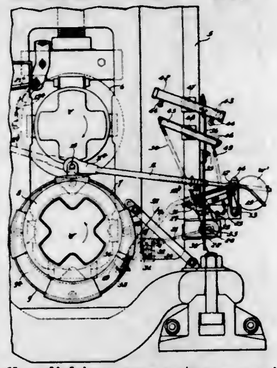
2,273,589
METHOD OF MAKING POROUS METAL BODIES
Richard G. Olt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1940, Serial No. 322,753
18 Claims. (Cl. 29—189)



1. In a method for reducing the shrinkage of porous alloy articles during sintering which articles are made from non-compacted metal powder, the steps comprising: providing metal powder having at least two metallic constituents of different melting points, particles of said powder including a constituent rich surface thereon, said constituent being the lowest melting constituent and then sintering the powder in the loose non-compacted condition and in desired

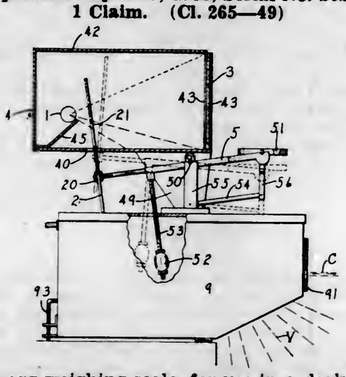
shape under suitable conditions at a temperature above the melting point of the constituent rich surface metal and below the melting point of the highest melting constituent metal for a time sufficient to cause at least partial alloying of the lower melting constituent with the other constituent whereby the powder is bonded together in an alloy bond without excessive shrinkage.

2,273,590
POLISHING APPARATUS FOR ROLLS
Paul K. Pisarcik, East Vandergrift, Pa.
Application September 14, 1940, Serial No. 356,784
17 Claims. (Cl. 51—253)



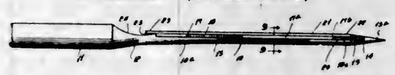
12. In roll polishing apparatus, a reciprocably moving lever-supporting member, an inclined stone supporting lever pivotally and freely mounted between its ends on said reciprocably moving member, means for moving the lever laterally and alternately on its pivotal mounting, an outer counterweight on the free end of the lever, a removable stone holder having a handle on the inner opposite end of the lever, and a support for the stone holder on the inner active end of the lever.

2,273,591
EGG GRADING MACHINE
John E. Powell, Issaquah, Wash., assignor to National Poultry Equipment Co., Seattle, Wash., a corporation of Washington
Application April 15, 1938, Serial No. 202,263
1 Claim. (Cl. 265—49)



An egg weighing scale, for use in a dark room, comprising a cabinet having an open upright side, a ground glass screen or the like closing such side, a scale beam pivotally mounted externally of the cabinet, a light source within the cabinet, an opaque plate mounted upon the scale beam and projecting, at right angles thereto, into the cabinet, the cabinet being suitably apertured for passage and movement of the plate, said plate, within the cabinet, being disposed between the light source and the screen, and having an edge past which light shines to define a shadow boundary movable along the screen to indicate the position of the scale beam, and a baffle fixed between the light source and the plate-receiving aperture, in position to prevent emission of light therethrough.

2,273,592
SEWING MACHINE NEEDLE
Omer J. Rainville, South Attleboro, Mass., assignor to E. Z. I. Needle Company Incorporated, Providence, R. I.
Application April 30, 1940, Serial No. 332,552
2 Claims. (Cl. 112—224)



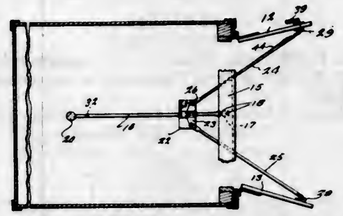
2. In a sewing machine needle of the character described, a needle shank having an eye adjacent its outer end, a mounting hub, a tapering neck connecting the shank to the mounting hub, one side of the shank being cut away to provide a longitudinally extending rib terminating at one end adjacent the neck and defining lateral thread guide grooves, and a resilient arm anchored at its outer end to the outer end of the shank in overlying relation to said rib with the inner end of the resilient arm overlapping the outer end only of the tapering neck with the inner terminal end spaced laterally of the tapering neck and providing an unobstructed opening to facilitate placement of a thread between the resilient arm and shank rib for movement into the eye of the needle, said shank being of constant diameter from a point substantially midway the ends thereof to the eye at the outer end and the inner end of the shank from the portion of constant diameter to the outer end of said tapering neck being of gradually increasing diameter inwardly to strengthen the needle shank, and said rib being of gradually increasing width corresponding to the diametrically increased portion of said shank.

2,273,593
RESINS CONTAINING RUBBER
Cyril Aubrey Redfarn and Philip Schidrowitz, London, England, assignors to The British Rubber Producers' Research Association, London, England, a corporation of Great Britain
No Drawing. Original application October 12, 1938, Serial No. 234,708. Divided and this application July 19, 1939, Serial No. 285,416. In Great Britain September 22, 1937
8 Claims. (Cl. 260—768)

1. A process for the preparation of synthetic resinous products consisting in simultaneously treating rubber with maleic anhydride and a phenol at about the boiling point of the phenol.

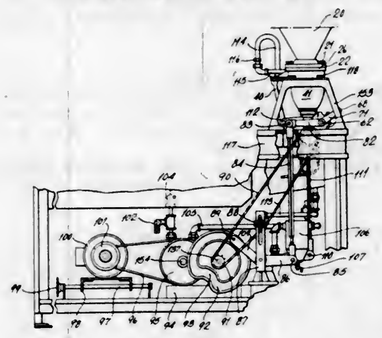
2,273,594
GARAGE DOOR ACTUATING MEANS
John R. Rich, Houston, Tex.
Application October 9, 1939, Serial No. 298,665
2 Claims. (Cl. 292—277)

2. In an actuating apparatus for double swinging doors for a garage; a locking means comprising a guide, a tube slidable on the guide, a relatively wide top plate and a relatively narrow bottom plate fixed to the tube, a bracket secured to one of said plates, a bolt slidable through the bracket and engageable with the guide, yieldable means normally holding the bolt



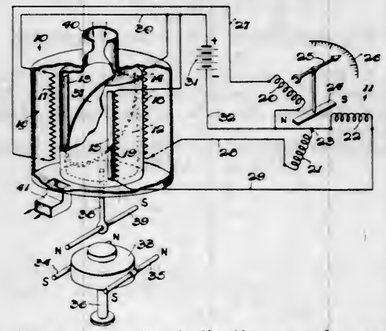
in said engagement, a bell crank pivoted to one of said plates and having one of its arms in engagement with the bolt and means connected to the other arm of the bell crank for remotely controlling the same to release, or permit the engagement of, said bolt with the guide.

2,273,595
EXTRUSION DEVICE
Ernest J. Roth, Norwood, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application June 21, 1941, Serial No. 399,061
5 Claims. (Cl. 107—14)



1. In an extrusion machine and in combination, a chamber for housing plastic material, said chamber having a valved inlet through which plastic may be admitted into, and a valved outlet through which plastic may be extruded out of, said chamber, a pump for supplying compressed air to said chamber when the inlet valve is closed and the outlet valve is open to extrude plastic from said chamber, an exhaust port for venting said chamber to atmosphere, a three-way valve operable to intermittently disconnect said pump from said chamber and connect said chamber with the exhaust port to equalize the pressure in said chamber with atmosphere before the inlet port opens to admit plastic into the chamber, to disconnect said exhaust port from said chamber after the inlet port closes, and then to connect said pump to said chamber to rapidly build up the pressure within the chamber substantially above atmosphere before the outlet valve opens to allow plastic to be extruded through said extrusion outlet, and means for opening and closing said inlet and outlet valves and for operating said three-way valve in properly timed sequence.

2,273,596
DIRECT CURRENT REMOTE INDICATING SYSTEM
Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application October 28, 1940, Serial No. 363,231
12 Claims. (Cl. 177—351)

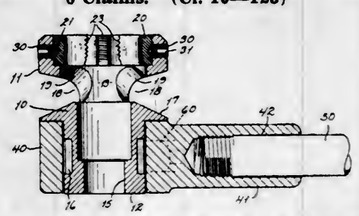


1. In a system for indicating angular motion of a movable element of a sensitive instrument at a remote repeater, a transmitter device electrically connected with said repeater comprising a circuit having a plurality of temperature responsive resistors arranged in parallel in the circuit, a source of current for heating said resistors, means directing a flow of air to said resistors, air flow control means rotatably mounted adjacent said resistors, and magnetic means operatively connecting said control means for angular movement with said element whereby said control means are actuated for controlling the flow of air to said resistors to vary the temperature of said resistors in accordance with the angular movement of said element.

2,273,597
METALLIC PIGMENTS AND METHOD OF PREPARING SAME
Arthur Schroder, Highland Park, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 8, 1939, Serial No. 303,364
13 Claims. (Cl. 106—290)

10. The method of producing copper pigments comprising thermally decomposing one or more copper compounds selected from the group consisting of copper linoleate, stearate, oleate, resinate and naphthenate in the presence of sufficient alkali to appreciably lower the decomposition temperature.

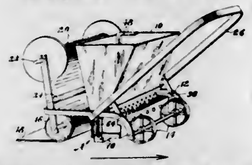
2,273,598
DIE STOCK
Clarence W. Shafer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application July 15, 1940, Serial No. 345,553
6 Claims. (Cl. 10—123)



1. In a die stock, the combination of a button

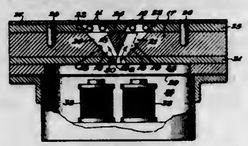
die, a tubular head having recess in one end adapted to receive the die, said head having an elongated barrel beyond the inner face of the die, inclined openings through the wall of the barrel leading from the inner face of the die to the exterior in a region beyond the die.

2,273,599
MACHINE FOR APPLYING ROOFING MATERIAL
Roy A. Smith, Norwood, and Lytle L. Williams, Walpole, Mass., assignors to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application January 30, 1939, Serial No. 253,560
4 Claims. (Cl. 91—30)



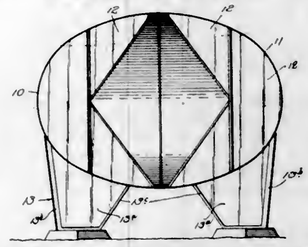
3. In a machine of the class described, a hopper for a liquid bonding agent, means to support said hopper for movement over a surface, a feeding device associated with said hopper and adapted to contact said surface, said device forming a chamber adapted to confine a head of bonding agent received from said hopper against said surface and terminating in bottom edges, including a leading edge and side edges disposed in a horizontal plane and a rear edge spaced above said plane and forming a spreading element, and means supporting said feeding device for vertical movement independently of said hopper and its supporting means.

2,273,600
TORQUE AMPLIFIER
Paul Specht, Berlin-Lichtenrade, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application November 29, 1939, Serial No. 306,766
In Germany October 26, 1938
6 Claims. (Cl. 201—48)



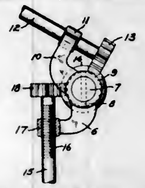
1. In apparatus of the class described, an electrical bridge circuit having two arms thereof formed of temperature responsive resistor elements, a source of current for said bridge circuit, a source of fluid pressure whose temperature differs from the normal temperature of said resistor elements, a pair of conduits for normally conveying fluid pressure from said source equally to said resistor elements thereby maintaining said elements at like temperatures whereby said bridge is balanced, said conduits being in communication and forming a fork, a nozzle for directing fluid pressure from said source to said conduits, and a wedge-shaped member whose diverging sides constitute a side for each of said conduits and having an apex thereof disposed in said forked connection opposite said nozzle, said nozzle and wedge-shaped member being relatively displaceable whereby fluid pressure flows unequally from said source through said nozzle to said resistor elements thereby unequally varying the temperature and resistance of said elements whereby said bridge is unbalanced and current flows therethrough.

2,273,601
CONTAINER
Frank P. Thomas, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application January 22, 1940, Serial No. 315,084
2 Claims. (Cl. 220—1)



1. A rigid sheet metal pressure container rectangular in top plan, having all of its surfaces curved, said container formed by the intersection substantially at right angles of two similar flattened cylinders of the same cross-section and having their longitudinal axes intersecting, each wall of the container having its edges defined by the lines of intersection of the flattened cylinders.

2,273,602
MOTION TRANSMITTING MECHANISM
William A. Traut, West Allis, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 21, 1940, Serial No. 325,145
6 Claims. (Cl. 74—380)

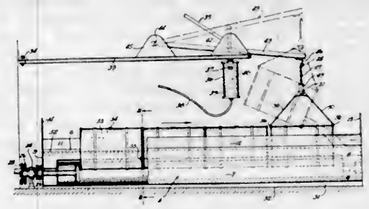


1. In combination, a frame, a shaft fixedly supported on said frame, a member movable along said shaft and having annular parallel peripheral teeth, a driving gear meshing with said member teeth and being swingable about the axis of said shaft, and a driven gear meshing with the teeth of said member and having screw thread coaction with said frame, whereby when said member is moved along said shaft by said driving gear said driving gear is moved along its own axis.

2,273,603
ART OF CLEANING CYLINDRICAL CONTAINERS
Theodore J. Verden, Milwaukee, Wis.
Application September 30, 1940, Serial No. 359,062
13 Claims. (Cl. 141—6)

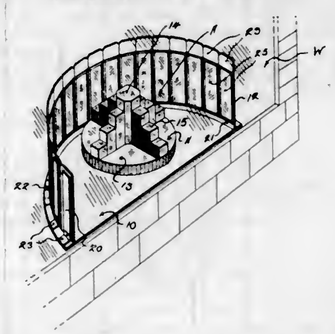
1. Apparatus for cleaning cylindrical containers comprising an elongated tank for cleaning fluid, means extending longitudinally in said tank for supporting a plurality of containers in end to

end relationship in the cleaning fluid and for simultaneously rotating the supported containers about their longitudinal axes, said supporting



means being longitudinally inclined to cause endwise movement of the containers by gravity as they are rotated.

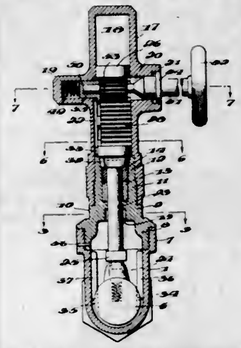
2,273,604
DISPLAY APPARATUS
Julius W. Vetter, Milwaukee, Wis.
Application September 5, 1939, Serial No. 293,456
2 Claims. (Cl. 40—33)



1. In a display apparatus having a base plate and a rotatable platform for receiving goods to be exhibited; an arcuate attaching band on said base plate extending partially about the platform, upstanding supporting boards arranged in equidistantly spaced relation fitted against the base plate and the rear face of the band, supporting angle-shaped brackets on said base plate engaging the rear faces of the boards, means connecting the brackets, the boards, and the band together, and a mirror attached to each board and extending beyond the vertical edges of the boards in abutting relation to adjacent mirrors.

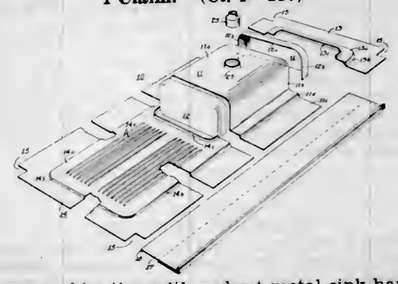
2,273,605
VALVE
Joseph E. Wall, St. Louis, Mo.
Application August 31, 1940, Serial No. 355,097
19 Claims. (Cl. 251—156)

1. A valve including a casing composed of a plurality of separable sections, a valve stem within said casing, a valve head connected to said stem within said casing to control the flow of fluid through said valve, means for moving said valve stem to selectively move the valve head to open, intermediate or closed position, and interlocks between said valve stem and casing sections in engagement to prevent relative rotation between said valve stem and casing sections and separation of said sections when the valve head is in open or closed position, disengagement of said interlocks permitting relative rotation between said valve stem and casing sections and



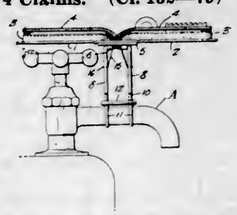
separation of said casing sections when the valve head is in intermediate position.

2,273,606
SHEET METAL SINK
Owen T. Webber, Pittsburgh, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
Application November 10, 1937, Serial No. 173,754
1 Claim. (Cl. 4—187)



In combination with a sheet metal sink having a bowl section and a fillet section at each end thereof, at least one of which is centrally depressed to provide a drainboard, of an upstanding flange along the back of said bowl and end fillet sections, and a member extending the full length of said sink having one edge bent over upon itself to provide a spring for frictionally holding said member on said flange, said member having its end seams welded together and to the ends of said flange.

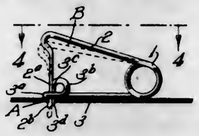
2,273,607
TOILET DEVICE
George Wise, Washington, D. C.
Application August 19, 1941, Serial No. 407,509
4 Claims. (Cl. 132—79)



1. A toilet device comprising a carrying case

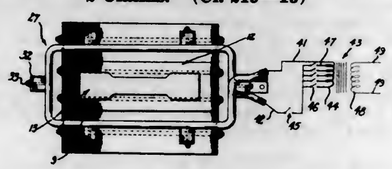
for toilet articles, a pair of elongated members pivotally connected at one of their ends to said case, clamping jaws formed on said members, means slidably mounted on said members for disposing the jaws in clamping engagement with a faucet for said members to support the case in open position above said faucet, and said members being foldable in parallelism with said case when not in use.

2,273,608
SHEET METAL HOLDER
Ernest F. Wooster, San Diego, Calif.
Application October 30, 1940, Serial No. 363,407
5 Claims. (Cl. 85—5)



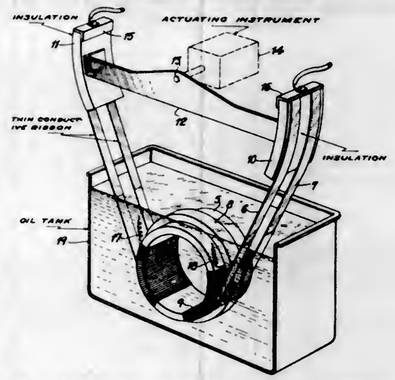
1. In a sheet metal holder of the class described, the combination of a single piece of spring metal provided with a resilient spring portion intermediate its opposite end portions, the opposite end portions of said single piece of spring metal each being semi-circular in cross section and both arranged together in parallel annular in cross section form, one of said opposite end portions being longitudinally shiftable and the other end portion being stationary, said shiftable end portion provided with a detent stop portion extending outwardly from the semi-circular side portion thereof, said resilient spring portion being of coil form, and a U-shaped portion at one end of said resilient spring portion arranged to support and guide said semi-circular in cross section end portions.

2,273,609
INDUCTION HEATING
William J. Wrighton and Tracy C. Jarrett, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 31, 1939, Serial No. 302,210
2 Claims. (Cl. 219—13)



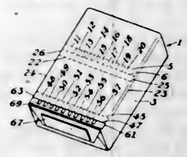
1. The process of substantially uniformly solder uniting an assembly of superposed metallic plates comprising placing a sheet of bonding material between the adjacent surfaces of a layer of precious metal and a layer of non-precious metal, forming heater strips of heat conducting metal each to a controlled shape and size with respect to the shape and size of the metallic strips to be solder united so that the said heater strips will have a central area of a width no greater than the greatest width of the metallic layers to be solder united and each having end areas greater than the adjacent end areas of said layers with the said end portions of said strips protruding outwardly of the sides and ends of the adjacent portions of said layers, said central area and end areas of said heater strips being so proportioned according to the respective adjacent areas of the strips as to cause substantially uniform heat distribution throughout the total area of said strips, a further step of subjecting the superposed metallic members and the heater strips to uniform compression while inductively heating the superposed metallic members and the heater strips until the bonding material reaches a melting temperature to the end that the superposed metallic members to be soldered together are thoroughly compressed while the bonding material is in a state of flux and holding the superposed metallic members under compression until after the bonding material has set.

2,273,610
ELECTRICAL CIRCUIT CONTROL DEVICE
Constantine P. Xenis, Little Neck, Woodman Perine, Halesite, and Robert E. King, Brooklyn, N. Y., assignors to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application May 10, 1941, Serial No. 392,910
6 Claims. (Cl. 201—48)



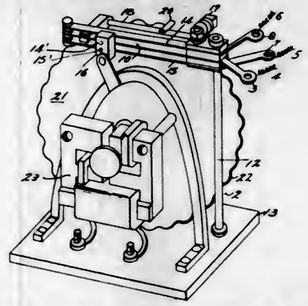
1. A resistance-varying device having its weight disposed substantially symmetrically about a horizontal axis of revolution and with contact areas along an arc concentric with said axis, and adjustable contact means for said areas comprising a flexible conductor forming a loop in and by which the device is rotatably suspended.

2,273,611
CIGARETTE PACKAGE
Harry J. Anderson and Harry K. Deike, Chicago, Ill.
Application February 11, 1939, Serial No. 255,828
9 Claims. (Cl. 206—48)



1. A cigarette package comprising an inner wrapper, an outer wrapper, a plurality of relatively small areas on said outer wrapper, each of which is defined by weakened lines or perforations, and a plurality of matches between said inner and outer wrappers, each of said matches adhering to a single one of said areas.

2,273,612
NONINTERRUPTED-CURRENT MULTIPLE CIRCUIT CONTROLLER
Otto Bailer, Los Angeles, Calif.
Application February 24, 1941, Serial No. 380,405
7 Claims. (Cl. 179—1.5)

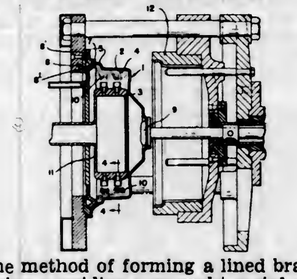


1. In an apparatus of the class described, a plurality of circuits having a common hot wire, and a means including a vibrating switch for selectively throwing in circuit with the hot wire either of the other circuit wires and breaking the circuit flow to the remainder and having a circuit closure part for keeping overlapping current flow in all circuits for a period of time before break in each circuit.

2,273,613
PROCESS FOR PREPARING MIRRORS
Willard F. Bartoe, Hulmeville, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 17, 1939, Serial No. 256,927
2 Claims. (Cl. 91—69.1)

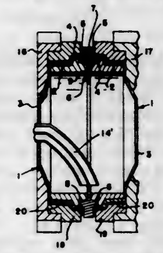
1. A process for forming a mirror on an article made of α-methacrylate resin which comprises treating the surface of said article for a period of time of the order of from 12 to 48 hours with a concentrated solution of an alkali hydroxide until the surface is receptive to silver, subjecting the surface to the action of a mixture of a silvering solution and a reducing solution, draining the spent solution and repeating the silvering operation until a continuous film of proper thickness has been deposited.

2,273,614
METHOD OF FORMING COMPOSITE ARTICLES
Joseph E. Batie, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 27, 1939, Serial No. 306,419
6 Claims. (Cl. 22—204)



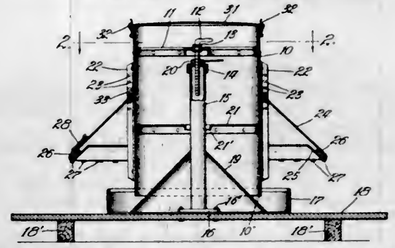
1. The method of forming a lined brake drum, comprising providing a wrought metal shell having an annular flange with a generally cylindrical portion and a generally radial portion at one edge thereof, rotating said shell, and while rotating the shell carrying out the steps of heating the annular flange by passing a flame over substantially the entire inner surfaces of the generally cylindrical and radial portions, determining the size of and supporting the generally cylindrical portion and also clamping the generally radial portion against a sealing element by engaging an annular member with the outer surface of the generally cylindrical portion and with the generally radial portion, and pouring molten iron against the inner surface of the generally cylindrical portion while externally supporting the same and also while the sealing element protects the generally radial portion and forms a dam for retaining the molten iron.

2,273,615
METHOD OF FORMING BRAKE DRUMS
Joseph E. Batie, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 4, 1940, Serial No. 364,308
9 Claims. (Cl. 22—204)



1. In the method of forming brake drums, the steps of holding a pair of individual brake drum shells in substantially axially aligned relation with their brake flanges extending toward each other, directing brake engaging material simultaneously against the inner surfaces of the brake flanges during rotation of the shells and at the same time forming annular grooves by controlling the flow of the brake engaging material in the zones of the free edges of the brake flanges, and then separating the lined shells.

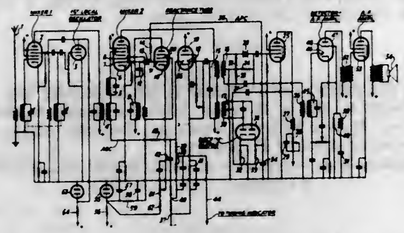
2,273,616
PIG FEEDER
Thaddeous C. Beatty, Lynnville, Iowa
Application June 30, 1939, Serial No. 282,141
2 Claims. (Cl. 119—53.5)



1. In a pig feeding device, a feed pan, a feed supply bin, support means in said pan carrying said bin, said support means having mounted on its top a hand screw feed flow regulating member permitting said bin to be rotated, rocked,

and adjusted vertically with respect to said pan, means mounted on the bin to limit the rock of the bin with respect to the support, and adjustable hood means carried by said bin and covering said pan whereby feed may be selectively served to pigs to the exclusion of larger pigs and hogs.

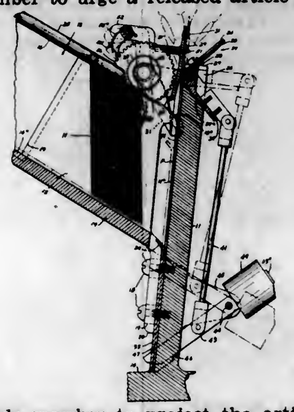
2,273,617
RADIO RECEIVER
Cornelis Jacobus Boers, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 5, 1940, Serial No. 322,296
In the Netherlands April 11, 1939
3 Claims. (Cl. 250—20)



1. In a superheterodyne receiver of the type comprising a signal input circuit, a local oscillator provided with a tuned tank circuit and means for producing intermediate frequency energy from signals and local oscillations, a frequency control tube having at least a cathode, control electrode and anode, means to connect the anode to cathode impedance of the tube across the tank circuit, means to apply to said control electrode alternating voltage in phase quadrature with the tank circuit voltage, and means responsive to departures in frequency of the intermediate frequency energy for controlling the gain of said control tube; the improvement which comprises a source of energizing direct current voltage for the oscillator and control tube, energizing connections from said source to the electrodes of the oscillator and control tube, an automatic gain control circuit arranged to regulate the receiver output in a sense to compensate for carrier fading, said gain control causing frequency modulation effects of said oscillator during rapid fading periods, means to supplement the frequency control of said tank circuit during such periods, said last means comprising a quick-acting stabilizing device electrically connected with said voltage source to maintain said energizing voltages applied to the electrodes of the oscillator and control tube substantially constant.

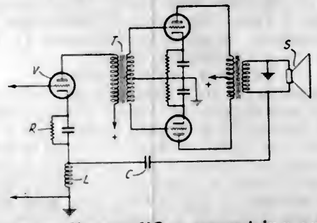
2,273,618
DISPENSING DEVICE
Clifton C. Breyley, Spencer, Ohio, assignor of fifty one-hundredths to Hugh L. Strickland, Rittman, Ohio
Application April 25, 1940, Serial No. 331,542
15 Claims. (Cl. 312—92)

14. A device of the class described for dispensing articles comprising a guide member for guiding the articles toward a delivery end of the member, means for supporting and progressively urging a series of articles toward said guide member, feed mechanism for withholding said series of articles and for releasing said articles toward said member in succession, a shiftable member in association with said guide member, and operating means for shifting said shiftable member to urge a released article through



said guide member to project the article from the delivery end thereof.

2,273,619
RECEIVER CIRCUITS
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 4, 1939, Serial No. 254,562
In Germany March 16, 1938
3 Claims. (Cl. 179—171)

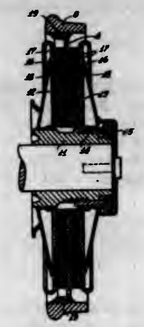


2. In an audio amplifier comprising an amplifier tube having input terminals and output terminals, means, comprising a push-pull amplifier, coupled to said output terminals, a resonant network, series tuned to a frequency at the upper end of the audio range, connecting between said push-pull amplifier and said input terminals, and means impressing audio voltage of said upper frequency developed by said resonant network upon said input terminals in degenerative phase.

2,273,620
METHOD OF MAKING WHEEL PLATES
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application March 9, 1939, Serial No. 260,812
1 Claim. (Cl. 29—168)

The method of making a tire and tire carrying plate for a resilient wheel which consists in forming a metallic tire, in placing in said tire a flat round metallic plate having an annular rim portion of sufficiently less diameter than the inside diameter of said tire to provide a substantial gap therebetween, and in welding said plate at opposite sides said rim portion to said tire, the welds being spaced both laterally and circumferentially whereby substantial portions of said

gap are unobstructed and facilitate circulation of air both laterally between circumferentially spaced welds and circumferentially between the laterally spaced welds said plate having a central opening therethrough concentric with said tire irrespective of whether the outside periphery is



concentric with said tire thereby causing possible variations in the sizes of said welds.

2,273,621
TRAIN COUPLING DEVICE
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application March 15, 1939, Serial No. 262,034
4 Claims. (Cl. 213—75)



1. A rail car having a pair of couplers at opposite ends thereof, one coupler of each of said pairs being located adjacent the platform of the car and the other coupler of each pair being located adjacent the roof thereof, all of said couplers being resiliently mounted, the roof couplers projecting a shorter distance from the ends of cars than the platform couplers whereby the roof couplers are automatically placed in tension when two cars are coupled together.

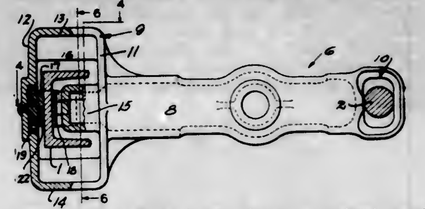
2,273,622
SUBSTITUTED AROMATIC ALIPHATIC ETHER CHLORIDES AND PROCESS
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Original application March 29, 1938, Serial No. 198,697. Divided and this application July 5, 1940, Serial No. 344,111
19 Claims. (Cl. 260—408)

1. The process which comprises reacting by heating in the presence of a surface-active siliceous clay an ether chloride of the formula

$$R'(O—A)_nCl$$

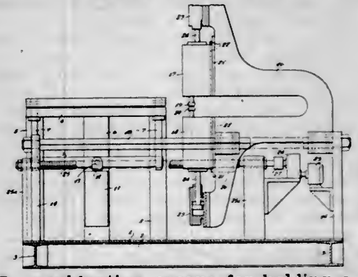
in which R' is an aryl nucleus, A is a group selected from the class consisting of alkylene radicals having a chain of at least two carbon atoms and polyalkylene ether radicals having at least two carbon atoms in each alkylene group, and n is an integer less than 8 and a member of the group consisting of unsaturated and hydroxy-substituted higher carboxylic acids and esters selected from the aliphatic, arylaliphatic, and hydroarylaliphatic series.

2,273,623
BRAKE BEAM STRUCTURE
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1941, Serial No. 404,313
15 Claims. (Cl. 188—222)



1. In a truss type brake beam, a strut part, a brake beam compression member part, a device for thrusting said parts into engagement with each other, and an element of non-metallic yielding material subjected to pressure by said device and engaging one of said parts to resist the sliding movement of the latter over the other part.

2,273,624
APPARATUS FOR REMOVING WELD FLASH FROM SHEET METAL
Rolla G. Campbell and Donald B. McLouth, Detroit, Mich., assignors to McLouth Steel Corporation, a corporation of Michigan
Application July 17, 1939, Serial No. 284,846
8 Claims. (Cl. 90—15)



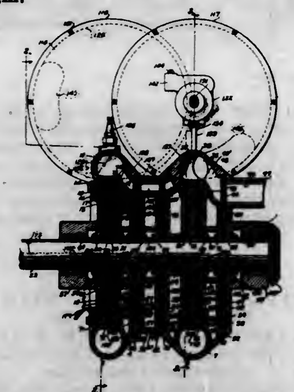
1. In combination, means for holding a work piece, a pair of end mills in opposed coaxial relation, said mills having axially disposed bearing surfaces in the same plane as their cutting edges, and means supporting said mills for simultaneous traversal from one edge to the other of opposite sides of the work piece with the bearing surfaces in contact with the work piece.

2,273,625
INTERNAL COMBUSTION ENGINE
Thomas G. Concannon, Emporia, Kans.
Application September 23, 1939, Serial No. 296,279
13 Claims. (Cl. 123—13)

8. An engine of the character described including a housing having an annular chamber, a disk-like valve intersecting the annular chamber, a shaft for the valve, a cup-like member fixed to said shaft, yielding means supporting said cup-like member, and cam means on said cup-like member for supporting said valve against yielding movement during a portion of rotation of said valve.

10. In an engine of the character described, a housing having annular combustion and compression chambers, means supplying a fuel to

the compression chamber, fuel transfer means connecting the compression and combustion chambers including a diaphragm having fixed support in the housing and provided with a port, a shaft supported in the axis of said chambers and extending through the diaphragm, rotors on the shaft, a piston in each chamber having connection with one of the rotors, valve disks slidably keyed on said shaft and engaging the respective sides of said diaphragm to control fuel transfer through said port, and springs for retaining said disks in sealing contact with the diaphragm.



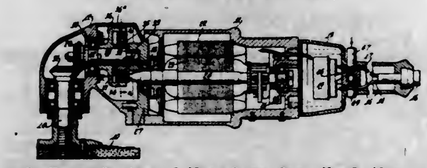
12. In a device of the character described, an annular chamber, a rotor chamber intersecting said annular chamber, a piston in the annular chamber, a rotor in the rotor chamber mounting the piston for movement through the annular chamber and having outwardly tapering peripheral flanges closing the annular chamber from the rotor chamber, packing rings inset into annular recesses of the rotor chamber on the respective sides of the rotor and having wedge-like peripheries engaging the tapering portions of the flanges for sealing the rotor with the annular chamber, and means for supplying a lubricant to said recesses for acting against said packing rings to enhance sealing contact of said wedge-like peripheries with the tapered portions of said flanges and to provide lubrication for the surfaces in said sealing contact.

2,273,626

TWO-SPEED SANDER

Edwin L. Connell, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application July 11, 1940, Serial No. 344,907
8 Claims. (Cl. 74—367)
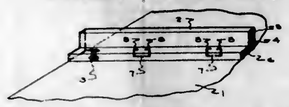


1. In a device of the class described, the combination of a driven element, a driving element rotatable in opposite directions, transmission means intermediate said driving element and said driven element, means comprised in said transmission means for effecting a change in speed ratio between said driving element and said driven element in response to a change in the direction of rotation of said driving element, said last mentioned means including a pair of gears rotatable in opposite directions relatively to each other by said driving element each at a different cyclical speed, and clutch means rendering each of said gears effective to transmit rotation to said driven element in one direction only.

2,273,627

CONVEYER SLAT

Otis C. Currie, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware

Application November 3, 1939, Serial No. 302,631
2 Claims. (Cl. 198—199)



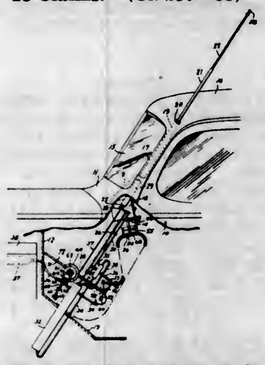
1. In a flexible conveyer belt of the character described having a plurality of transverse slats disposed in spaced relation along the same, a slat comprising a composite sheet metal and fibrous strip, the sheet metal being disposed directly about the fiber in enveloping relation, said slat being substantially L-shaped in cross-section and having a leg portion and a foot portion, said sheet metal at the bottom of the foot portion exposing portions of the fibrous material, and fastening means passing through the belt and through said exposed portions of fibrous material, and through the sheet metal on the top of the foot portion, the belt being clamped against said exposed portions of fibrous material, said leg portion rising above the level of the top of the fastening means projecting through the top of the foot for protecting the same.

2,273,628

MOTOR VEHICLE ANTENNA

Pierre Stuart de Beaumont, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application March 15, 1940, Serial No. 324,034
18 Claims. (Cl. 250—33)



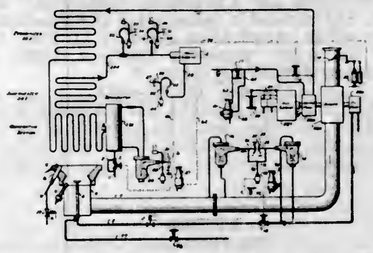
1. In radio apparatus having a hollow stationary column, an antenna including a pair of telescopically related sections retractible within and adapted to be extended from said column, reciprocating power actuator means operable in one stroke to engage and move one antenna section outwardly of the other section and in another stroke to move and engage the other antenna section outwardly from the column, and power means engaging one of the antenna sections and operable to retract both said antenna sections into said column from extended position.

2,273,629

CONTROL SYSTEM

Paul S. Dickey, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Original application December 18, 1935, Serial No. 55,023. Divided and this application April 16, 1938, Serial No. 202,381
1 Claim. (Cl. 122—448)



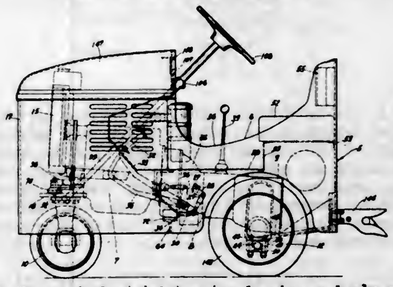
In combination, a vapor generator of the forced flow type heated by combustible fuel and air and having a liquid supply, a separator between the generating and superheating portions of the fluid flow path, and common means for regulating the supply of liquid and fuel and air to the vapor generator responsive to liquid level within the separator.

2,273,630

INDUSTRIAL TRACTOR

Elmer J. Dunham and Wayne Gunning, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application August 23, 1939, Serial No. 291,526
11 Claims. (Cl. 280—87)



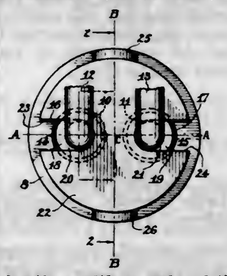
1. In an industrial tractor having a body and a power drive assembly therein, a transverse plate in the forward end of said body forming a support for one end of said assembly, a post fixed to and depending from said plate, a steering housing rotatable about the post and carrying steering means at the lower end thereof, a gear secured to the upper end of said housing, means between said plate and housing limiting the arc of rotation of said gear, an intermediate gear journalled on said plate and meshing with said first gear, an angularly inclined steering post, a gear at the lower end thereof meshing with said intermediate gear, and a steering wheel at the upper end of said steering post for imparting rotation to said housing through said gears.

2,273,631

SANITARY FITTING FOR THERMOMETER STEMS AND THE LIKE

Evan A. Edwards, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application March 27, 1941, Serial No. 385,454
2 Claims. (Cl. 73—375)



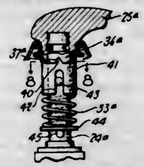
1. In combination with a pair of thermometer stems or the like each provided with a ferrule having a circumferential male conical seat and an opposing shoulder, a part having an opening therethrough, a member serving to close said opening, said member having a pair of apertures therethrough of approximately the respective diameters of said stems, said member also having a female conical seat bordering each of said apertures, a second member having slots therein extending along a diameter of said member from the edge thereof into substantial registry with said female conical seats, said second member at one surface thereof having its edge portions at said slots engaging the shoulders on said stems, said second member on the other surface thereof having lugs positioned on a second diameter of said second plate, said second diameter being perpendicular to said first-mentioned diameter, and means engaging said lugs and said part to draw them toward each other whereby said seats are held in engagement, said stems with their ferrules being removable through said last-mentioned means.

2,273,632

WINDOW REGULATOR MECHANISM

Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application February 8, 1940, Serial No. 317,911
2 Claims. (Cl. 74—549)



1. A crank operated overload drive for a window regulator mechanism, including a rotatable shaft having an annular groove adjacent the outer end thereof, a handle having an integral hub formed with a socket into which said end of the shaft and the groove projects, a pin rigidly secured to the shaft inwardly of the free end of the hub and disposed tangentially thereof and received in the groove to hold the handle against movement longitudinally of the handle while permitting rotation of the handle relative to the shaft, said hub having its free end formed with one or more substantially V-shaped notches dis-

posed at the outer end of the socket, an elongated sleeve slidable on the shaft and having its outer end, formed with a number of substantially V-shaped teeth corresponding to the number of notches and projecting within the latter, said sleeve being formed with opposed longitudinal slots which extend through the inner end thereof, projections rigid on the shaft and received in said slots, a coil spring encircling the shaft and having its outer end abutting the outer end of the sleeve, and means carried by the shaft and engaging the inner end of the spring to retain the latter on the shaft.

2,273,633

PROCESS FOR THE MANUFACTURE OF NITRILES

Maurice Louis Auguste Fluchaire and Serge Iavorsky, Lyon, France, assignors to Societe "Rhône-Poulenc," Paris, France, a corporation of France

No Drawing. Application July 9, 1940, Serial No. 344,498. In Great Britain August 29, 1939

11 Claims. (Cl. 260—464)

1. A process for the production of aliphatic dinitriles of at least 3 carbon atoms which comprises passing a rapid current of ammonia through a liquid dicarboxylic compound containing at least 3 carbon atoms and adapted to form an ammoniated carboxylic compound with ammonia, the reaction being carried out at a temperature of from 150 to 350° C. in the presence of a catalyst soluble in the reaction material and selected from the group consisting of phosphoric acids and neutral and acid esters of phosphoric acids.

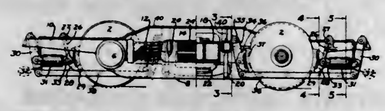
2,273,634

RAILWAY TRUCK BRAKE

Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application January 18, 1940, Serial No. 314,369

19 Claims. (Cl. 188—153)



1. In a railway truck, spaced wheeled axles, equalizer structure extending between and mounted on said axles, load-carrying parts spring-supported on said equalizer structure, brake elements for said wheels, and power devices for actuating said elements pivotally suspended from said structure.

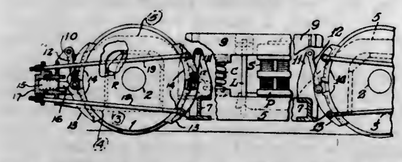
2,273,635

RAILWAY TRUCK STRUCTURE

Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application June 14, 1940, Serial No. 340,485

11 Claims. (Cl. 188—153)



1. In a railway truck, wheels, axles, equalizer framing carried thereby, brake shoe units at opposite sides of one of said wheels, and individual fluid operated cylinder and piston units for each shoe unit mounted in said framing and arranged to thrust the respective shoe units towards said wheel.

2,273,636

PROCEDURE FOR THE DRESSING AND SOFTENING OF CELLULOSE PRODUCTS

Walter Gellendien, Berlin-Charlottenburg, and Johann Eggert, Berlin, Germany, assignors, by mesne assignments, to "Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren," Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application January 31, 1935, Serial No. 4,327. Renewed March 4, 1939. In Germany January 31, 1934

4 Claims. (Cl. 91—68)

1. Agents for the dressing and softening of regenerated cellulose products consisting of an aqueous impregnation-liquid containing 1.5% of glycerol-monomethylether and 1.5% of triacetine.

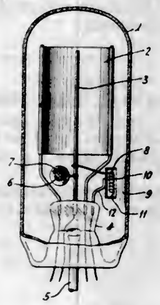
2,273,637

PHOTOTUBE

Alan M. Glover, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1939, Serial No. 297,023

4 Claims. (Cl. 250—165)



1. A photo-electric tube comprising an envelope enclosing an anode, a cathode photosensitized with alkali metal, and a thin layer comprising an alkali metal and a metallic element selected from the group consisting of antimony, arsenic and bismuth on a portion of the inner wall of said envelope and disposed remote from said cathode.

2,273,638

SPINNERETTE LUBRICANT

George D. Graves and Warner J. Merrill, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 24, 1939, Serial No. 264,038

5 Claims. (Cl. 18—54)

1. The process of improving the spinning property of a filament-forming spinnerette which comprises coating the same with a lubricant to prevent fouling of the spinnerette orifices, said lubricant composed of a polymer of an unsaturated hydrocarbon material.

2,273,639

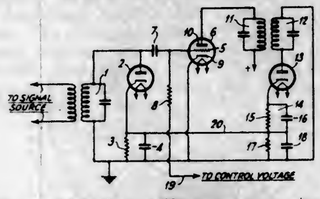
SELECTIVITY CONTROL CIRCUIT

Johan Haantjes,, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 22, 1939, Serial No. 280,512

In Germany October 25, 1938

10 Claims. (Cl. 250—20)



1. In combination with a common tuned high frequency input circuit, means for controlling the damping thereof comprising a first rectifier connected across the circuit and developing a uni-directional voltage from high frequency energy, a second rectifier coupled to said common circuit and developing a second uni-directional voltage from high frequency energy thereof, and means connecting said two rectifiers whereby a uni-directional current is caused to flow through said common circuit in a sense dependent on the relative magnitudes of said voltages.

2,273,640

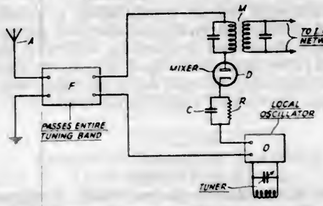
SUPERHETERODYNE RECEIVER

Johan Haantjes and Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application June 14, 1940, Serial No. 340,500

In the Netherlands September 8, 1939

7 Claims. (Cl. 250—20)



1. In combination with a diode mixer tube, a filter network constructed to pass all the carrier frequencies in a desired tuning range, a local oscillator provided with means for tuning the oscillator over a range of frequencies differing from said carrier frequencies by an intermediate frequency, said intermediate frequency exceeding the highest carrier frequency of said range, and an intermediate frequency circuit, said filter, oscillator and intermediate circuit being connected in a closed series circuit with the electrodes of said mixer tube.

2,273,641

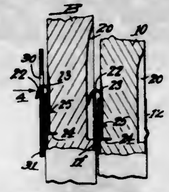
MEANS FOR SUPPORTING BRUSHES

Fred A. Henderson, Pawtucket, R. I., assignor of one-half to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island

Application June 3, 1940, Serial No. 338,489

5 Claims. (Cl. 248—360)

1. In brushes having handles, that improvement which comprises providing each brush with a hook secured to one side of its handle, and in providing hook-engaging means at the opposite side of each brush effective to coact with the hook on an adjacent brush to relatively position



and support a second brush on a first brush, whereby adjacent similar brushes may be relatively positioned and supported.

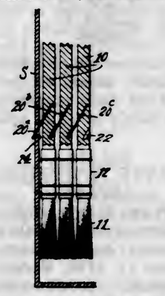
2,273,642

BRUSH SUPPORTING DEVICE

Fred A. Henderson, Pawtucket, R. I., assignor of one-half to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island

Application June 3, 1940, Serial No. 338,490

2 Claims. (Cl. 248—360)



1. A brush having a substantially straight supporting device inserted in the handle at one side thereof and inclined toward the bristle end of the brush, and having an inclined opening in the other side of the handle which is substantially parallel to said device and which is adapted to loosely receive the end portion of the supporting device of an adjacent brush nested therewith.

2,273,643

ELECTROLYTIC PREPARATION OF YELLOW CUPROUS OXIDE

Loren C. Hurd, Glenside, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application December 10, 1938, Serial No. 244,919

7 Claims. (Cl. 204—10)

1. The process of preparing dry, stable yellow cuprous oxide which comprises anodically oxidizing copper in hot alkaline solution containing at least 4% of an alkali halide and a small amount of a lyophilic protein colloid, adding additional amounts of colloid at a rate commensurate with electrolytic action, washing the precipitated copper compound, treating said precipitated compound with a solution of a lyophilic protein-containing colloid, and drying said compound.

2,273,644

CUP DISPENSER

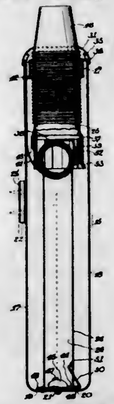
Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin

Application May 18, 1940, Serial No. 335,962

14 Claims. (Cl. 312—43)

1. In a dispenser, the combination of a con-

tainer adapted to receive therein a succession of articles to be dispensed and having a delivery end toward which the articles are urged, said container comprising a pair of complementary pivotally connected casing members movable

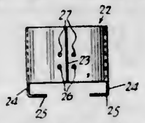


relatively apart to permit loading of the container, and shiftably mounted cover means for the delivery end of said container forming a retainer for detachably holding said casing members together.

2,273,645

QUICK DETACHABLE ELECTRIC LAMP AND SOCKET CONSTRUCTION

Carl August Johnson, Astoria, Long Island, N. Y.
Application June 12, 1940, Serial No. 340,127
5 Claims. (Cl. 176—32)



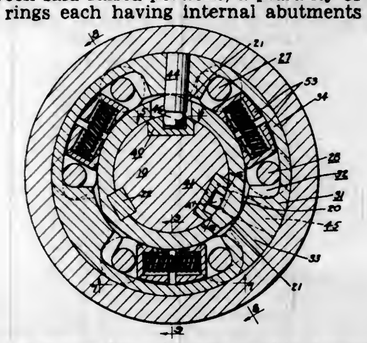
4. In combination, a socket, a split cylindrical sleeve within said socket having diametrically disposed ears equiangularly spaced from the split in the sleeve, means for attaching said ears to the socket, said sleeve being formed on each of the opposite sides of the split with a plurality of longitudinally spaced, inwardly extending projections, and a lamp having a base formed with a fixed sleeve having a plurality of annular grooves, said base being adapted to be pushed into the socket, and said projections being adapted to snap into said grooves, said grooves and projections being equally spaced apart and spaced equal distances from the central contacts of said base and socket respectively, so that when the base is fully inserted into the socket, said central contacts will touch and when the lamp is pulled down a distance sufficient for the lower projection to snap into the upper groove, the central contact of the socket will be disengaged from the central contact of the base.

2,273,646

CLUTCH

William Horace Johnson, Cranston, R. I., assignor to Weskenson Corporation, Providence, R. I., a corporation of Rhode Island
Application November 15, 1939, Serial No. 304,489
6 Claims. (Cl. 192—44)

1. In a clutch, first and second power transmitting members having annular rollways, one of said rollways having raised portions, each raised portion having opposite tapered surfaces, pairs of rolls disposed between said rollways and between said raised portions, a plurality of control rings each having internal abutments pro-

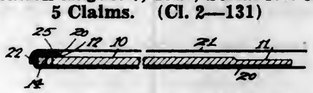


viding recesses for said rolls, spring assemblies, one for each recess, each spring urging its pair of rolls apart against the adjacent abutments of said rings, and means for shifting said control rings to move said rolls into and out of operative engagement with said tapered surfaces.

2,273,647

MULTIPLY COLLAR

Edward A. King, Boston, Mass., assignor of one-half to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application August 7, 1940, Serial No. 351,717
5 Claims. (Cl. 2—131)

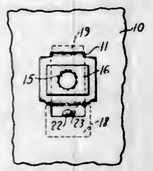


1. A multi-ply collar comprising a relatively thick liner, a thin narrow tape secured along one edge of said liner and projecting outward therefrom, and front and back face fabrics secured to the projecting edge of said tape and also secured to said liner in turned relation thereto.

2,273,648

FASTENER

Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1940, Serial No. 317,907
9 Claims. (Cl. 85—32)



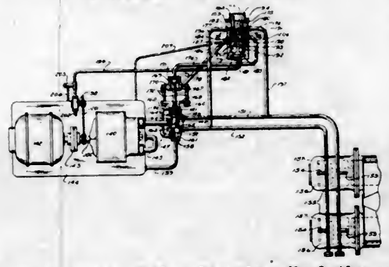
1. A fastener adapted to be secured in an assembly opening of a sheet metal structure comprising a body portion overlapping opposite sides of the opening, screw thread engaging means on said body portion in alignment with the opening for receiving a threaded member inserted therethrough, offset tongues arranged respectively on opposite sides of said screw thread engaging means and extending lengthwise of the opening, said tongues engaging the side of the structure opposite to that engaged

by said body portion, shoulder means on one tongue adapted to abut against one end wall of said opening, and raised shoulder means on the other tongue adapted to snap into engagement with the opposite end wall of said opening.

2,273,649

HYDRAULIC CONTROL SYSTEM

Howard F. Lawrence, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 24, 1937, Serial No. 132,689, now Patent No. 2,221,313, dated November 12, 1940. Divided and this application May 29, 1940, Serial No. 337,803
8 Claims. (Cl. 60—52)



1. In a device of the class described, the combination of a pump, a pair of pipes for alternately delivering fluid pressure from said pump, a distributing valve for controlling the flow of fluid in said pipes, normally inoperative fluid pressure means for adjusting said valve to different positions of adjustment, valve means for controlling the operation of said fluid pressure means, means connecting one end of said valve means to the pressure side of said pump, an auxiliary source of fluid pressure, and means connecting the other end of said valve means to said auxiliary source of pressure, whereby when the pressure imposed upon said valve means by said pump exceeds that imposed thereon by said auxiliary source of fluid pressure said valve means operates to render said fluid pressure means operative to effect adjustment of said distributing valve.

2,273,650

COMPOSITIONS OF MATTER

Charles E. Linebarger, Jr., Chicago, Ill., and Charles E. Linebarger, deceased, late of Chicago, Ill., by Charles E. Linebarger, Jr., administrator, Chicago, Ill., assignor to The Chaslyn Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original application August 14, 1935, Serial No. 36,214. Divided and this application July 30, 1938, Serial No. 222,220
4 Claims. (Cl. 106—243)

1. A composition of matter comprising 20 to 80 parts of hydrogenated castor oil dissolved in 80 to 20 parts of melted chlorinated naphthalene, to which is added meta-dinitrobenzene in proportion of less than 10 percent, and including not more than 10 percent benzoic acid.

2,273,651

SPARK PLUG

Max H. Lude, Greenville, Ill., assignor to Thoma & Gould Sales Company, St. Louis, Mo., a firm composed of Walter C. Thoma and Herman C. Gould
Application September 26, 1940, Serial No. 358,398
6 Claims. (Cl. 123—169)

1. A spark plug comprising a metallic shell having an outer electrode attached to its inner end and having air passages in its outer portion, an insulating body removably mounted in said shell, center electrodes projecting beyond the ends of said insulating body and adapted to cooperate with said outer electrode, means for supporting said insulating body in alternative positions in said shell in which either selected

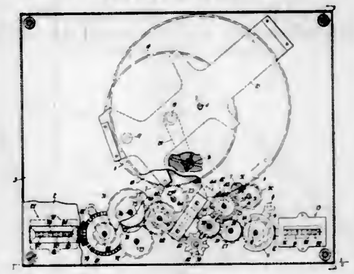


one of said center electrodes is adjacent to said outer electrode, an insulating element extending into said shell for holding said insulating body in rigid position in said shell, a clamping gland screwed in said shell around the inner end of said element and clamping said element rigidly against said body, and a terminal adjustably supported by said element and adapted to engage the outer one of said center electrodes.

2,273,652

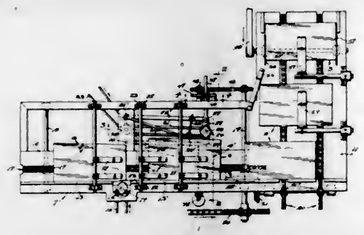
MATHEMATICAL APPARATUS

William Maxson, South Orange, N. J., and Peter J. McLaren, New York, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application December 1, 1936, Serial No. 113,572
8 Claims. (Cl. 235—61)



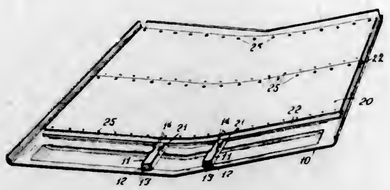
1. A variable ratio driving mechanism comprising, in combination, a rotary input member, a rotary output member, variable ratio transmission gearing operatively interposed between said members for operation by the input member throughout a plurality of revolutions in uniformly magnified relation to a basic angle which varies between zero and 90°, and constructed and arranged to cause the total operation of the output member throughout a plurality of revolutions thereof corresponding to the range from zero to 90° of the basic angle to be constantly proportional to a trigonometric function of the basic angle having finite limits, input reversing mechanism between the input member and the variable ratio transmission gearing to reverse the direction of drive of said variable ratio gearing relative to the input member, and means operated by and in proportion to the input member for operating the reversing mechanism at the end of the first quadrant of the basic angle.

2,273,653
EDGING AND BUTTING MACHINE
Charles J. Melby, Everett, Wash.
Application November 23, 1937, Serial No. 176,013
10 Claims. (Cl. 144—117)



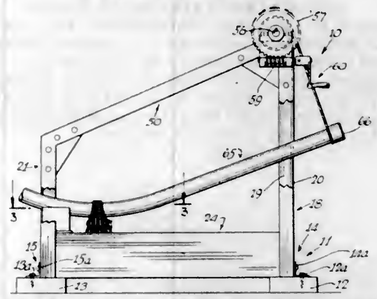
1. In a trimming machine, in combination, a fixedly-located trimming device, an associated trimming device movable laterally toward and from the same, means for feeding the work into edge-trimming relation to said associated trimming devices, means operating automatically in response to the travel of the work into trimming relation to said trimming devices for positioning the movable trimming device relative to the fixedly located trimming device according to the width of the work being trimmed, and cam devices operating in timed relation to the work-feeding means for locking the movable trimmer at predetermined fixed intervals during the travel of the conveyor in the positions to which the same is moved by the work.

2,273,654
RAILROAD BOX CAR CEILING CONSTRUCTION
Karl F. Nystrom, Milwaukee, Wis.
Application May 15, 1940, Serial No. 335,297
2 Claims. (Cl. 108—5.2)



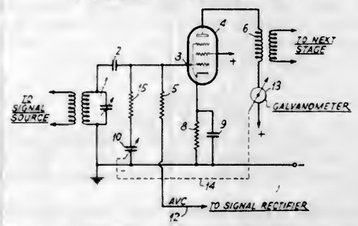
1. In a box car ceiling construction, the combination of a sheet metal car roof provided with brackets secured thereto at spaced apart points lengthwise of the roof and at opposite sides of the ridge of the roof; a plurality of outwardly facing channel members arranged lengthwise of the roof and secured to the brackets, the sides of the channels having spaced apart recesses at prearranged points lengthwise of the channels; wood purlines disposed throughout the lengths of the channels and secured therein, the purlines having recesses coincident with the channel recesses; transversely disposed battens arranged in the recesses of the channels and purlines and secured to the purlines; and transversely disposed plywood sheets extending continuously from side to side with their longitudinal edges arranged in abutting relation coincident with the battens and secured thereto so as to provide a smooth uninterrupted ceiling.

2,273,655
PIPE BENDING MACHINE
Harvey H. Olsen, Port Richmond, Staten Island, N. Y., assignor of fifty per cent to Gustav E. Larson, Brooklyn, N. Y.
Application August 7, 1940, Serial No. 351,705
1 Claim. (Cl. 153—32)



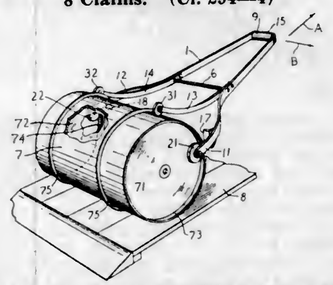
A pipe bending machine comprising a pair of parallel front and rear base members, a pair of parallel upstanding vertical posts on the front base member, a pair of parallel vertical upstanding posts on the rear base member, aligned with the front posts, the front posts extending to a greater height than the rear posts, means to interconnect the upper ends of the rear posts with the upper ends of the front posts, a pair of parallel plates attached to the front and rear posts and extending from front to rear, a block mounted on the rear ends of said parallel plates and formed with a longitudinal groove of inclined, curved, transverse cross-section, inclined forwardly and downwardly, a horizontal plate mounted on said parallel plates in advance of said block and formed with two parallel rows of openings, a cable wound continuously through said openings in the form of a numeral **8**, the upper loop of the numeral **8** comprising a strap located in advance of the groove and aligned therewith and substantially at the same level, a winch at the upper end of the front posts, said strap being adapted to receive the pipe to be bent, with a portion of the pipe in the groove, and said winch having means to engage another portion of the pipe, means on the front post to indicate the degree to which the pipe has been bent, and means on the upper and lower sides of said horizontal plate about which the lower loop of the numeral **8** is wound.

2,273,656
AMPLIFIER CONTROL CIRCUITS
Ekko Oosterhuis, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1940, Serial No. 322,461
In the Netherlands July 11, 1939
3 Claims. (Cl. 179—171)



1. In a signal transmission system having input and output terminals, at least one electron discharge tube provided with at least a signal control electrode, cathode and output electrode, means connecting said input terminals to said control electrode and cathode, means coupling the output electrode and cathode to said output terminals, means for adjusting the potential difference between said control electrode and cathode thereby to vary the gain of said tube whereby the capacity existing between said control electrode and cathode varies, a device connected between said input terminals providing a compensating capacity thereacross, and means conjointly operative with changes in said potential difference for varying the magnitude of said compensating capacity in a sense to prevent said first capacity from being effective across said input terminals and a resistor in series with said device whose damping effect between said input terminals increases wtih increase of the compensating capacity magnitude.

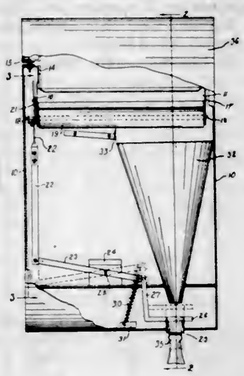
2,273,657
DRUM ROLLING DEVICE
Mark Owen, Seattle, Wash., assignor to Northern Stevedores, Inc., Seattle, Wash., a corporation of Washington
Application July 28, 1941, Serial No. 404,347
8 Claims. (Cl. 294—4)



1. A drum roller comprising two connected arms urged together but capable of being spaced apart to encompass the ends of a drum, a roller mounted upon each such arm in planes generally parallel to the drum's heads, and engageable within the chimes, a handle connected to said arms and spaced outwardly of the drum, and a contact member supported from the arms in position to ride upon the top of the drum, and thereby to support the rollers approximately in a radius of the drum extended through the handle.

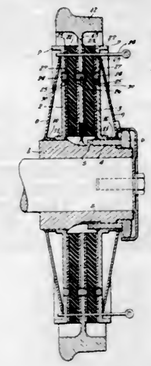
2,273,658
DRINKING STRAW DISPENSER
George W. Pace, Elwood, Ind.
Application July 17, 1940, Serial No. 345,905
7 Claims. (Cl. 312—84)

1. In a dispenser for delivering straws directly into a bottle, the combination with a straw hopper formed to retain straws in parallel alignment and a shiftable member under the hopper having a slot therealong restricted in cross-sectional area to receive a selected number of straws from the hopper; of an arm, means for shifting said shiftable member to dump straws from said slot onto said arm, said arm being positioned to be contacted by the straws at a position removed from the longitudinal centers of the straws whereby the longer ends of the straws tend to drop by gravity, means for receiving the falling straws tending to direct them toward vertical positions, said receiving means having an opening at its lower end, a bottle mouth receiving member interconnected with and adapted to actuate said slotted member shifting means upon raising the bottle mouth receiving member, said bottle mouth receiving



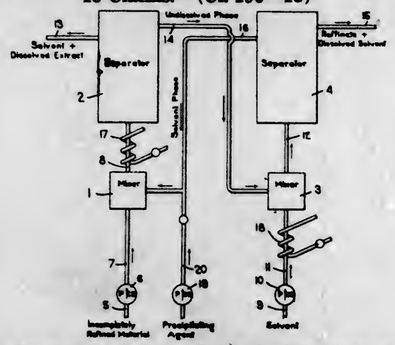
member aligning the mouth of a bottle carried thereagainst with said opening, whereby the straws uptilted by said arm are directed into the mouth and drop into the bottle.

2,273,659
METHOD OF GRINDING
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Original application April 8, 1935, Serial No. 15,151, now Patent No. 2,138,506, dated November 29, 1938. Divided and this application November 23, 1938, Serial No. 241,907
1 Claim. (Cl. 51—281)



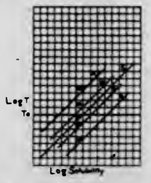
The method of re-surfacing the tire tread of a resilient wheel comprising a hub portion having spaced radial plate members, a tire having a plate radiating inwardly therefrom, said tire plate being separated from said hub plates by rubber-like elements adapted to resist relative radial movements of said plates in shear, said tire plate and said hub plates having a plurality of sets of aligned holes therethrough, which consists in inserting a pin through each set of said holes whereby to rigidify said tire plate against radial movement with respect to said hub, and in rotating said wheel about its axis while making pressure contact of said tire tread with a grinding means.

2,273,660
PROCESS OF REFINING BY SELECTIVE SOLVENT ACTION
John Ward Poole, Jaffrey, N. H.
Original application February 14, 1934, Serial No. 711,180. Divided and this application January 12, 1938, Serial No. 185,387
13 Claims. (Cl. 196—13)



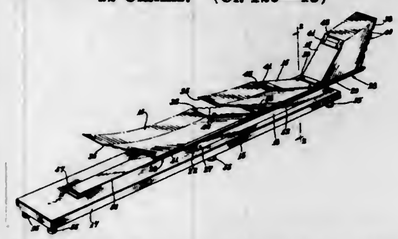
1. In a process for refining hydrocarbon mixtures by the action of a selective solvent in a continuous countercurrent operation wherein a raffinate phase passes countercurrent to and in contact with an extract phase, and in which an extract is discharged from the countercurrent operation at a terminal stage, the improvement which comprises continuously mixing a precipitating agent soluble in the solvent with and dissolving it in the solvent in said terminal stage thereby to continuously produce a precipitate comprising a portion of the dissolved hydrocarbons having properties which are intermediate those of the extract and raffinate, passing the resulting precipitated hydrocarbons from said terminal stage countercurrent to said extract phase, and maintaining the conditions in all other parts of the countercurrent extraction operation such as will maintain the solvent at an essentially constant solvent power of predetermined optimum efficiency.

2,273,661
PROCESS OF REFINING MINERAL OIL
John Ward Poole, Jaffrey, N. H.
Substituted for abandoned application Serial No. 675,040, June 9, 1933. This application January 27, 1938, Serial No. 187,260
7 Claims. (Cl. 196—13)



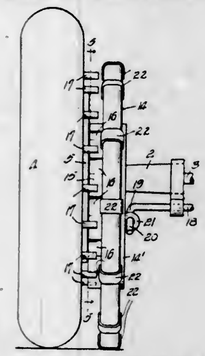
1. The process of refining a mineral oil containing desirable lubricating oil by selective solvent action of suitable solvents substantially liquid at usual atmospheric conditions under which conditions none of the solvents used will by itself approach maximum selective efficiency which comprises using as a solvent a blend of crotonaldehyde and another solvent which is sparingly soluble in said mineral oil, is substantially liquid under said conditions, and possesses insufficient solvent power to properly dissolve hydrocarbons of low hydrogen carbon ratio of said oil under said conditions, the relative proportions of the blended solvents being correlated to the nature of the oil being treated, and to said conditions to cause the resultant blend to possess a solvent power of approximate maximum selective efficiency intermediate of the solvent powers of the respective solvents, contacting the solvent blend with the oil to produce a fluid oil phase and a fluid solvent phase, thereafter separating the phases and removing the solvent from the oil phase to produce a lubricating oil of predetermined quality and yield.

2,273,662
SORTING DEVICE
Hurley D. Ralston, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 5, 1938, Serial No. 243,950
12 Claims. (Cl. 129—15)



7. A sorting device of the character described comprising, in combination, a sorting tray including an alined series of pintles anchored at one end and extending in spaced parallel relation toward one side of the tray, a series of sorting flaps including hinges removably engageable with said pintles, said flaps providing a plurality of sorting pockets therebetween, means for removably supporting said tray generally horizontally above a base, and means on said supporting means partially overlying said tray for holding said tray and said supporting means together in a predetermined assembled relationship.

2,273,663
ANTISKIDDING DEVICE FOR AUTOMOBILES
Robert G. Robert, St. Louis, Mo.
Application February 27, 1939, Serial No. 258,642
3 Claims. (Cl. 180—15)

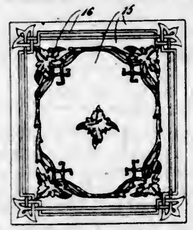


1. In combination with an axle housing and a motor driven wheel, of a vertically movable bearing member through which the axle housing passes, crank means for raising and lowering of the bearing member, an anti-skid wheel mounted for rotation on the bearing member, a hub on the anti-skid wheel having spaced peripheral notches, spaced pins projecting laterally from the vehicle wheel, certain of the lowermost pins adapted to engage in certain of the lowermost hub notches when the anti-skid wheel is in its lowermost position to cause the anti-skid wheel to be driven by the vehicle wheel and held against rotation when the motor driven wheel has been locked by the usual brake mechanism.

2,273,664
PEST CONTROL
Norman E. Searle, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1939, Serial No. 269,098
9 Claims. (Cl. 167—33)

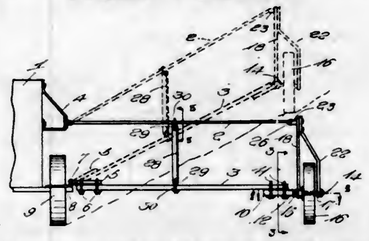
1. A pest-control composition containing as an essential active ingredient a cyclic aminomethyl sulfide.

2,273,665
METHOD OF DECORATING AND RESURFACING METALS
Arthur D. Small, Lake Cable, Ohio, assignor of one-third to Otto G. Krayer, Massillon, Ohio
Application April 29, 1940, Serial No. 332,260
12 Claims. (Cl. 41—18)



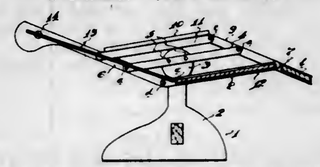
1. The method of decorating or resurfacing stainless steel, tin or chromium surfaces which consists in placing a mask having openings therein upon the surface to be decorated, applying a solution containing mercury salts to the portions of the surface exposed through said openings for only a few seconds, rinsing the solution from the surface and removing the mask.

2,273,666
HARVESTER ATTACHMENT
Leonard O. Smith, Spokane, Wash.
Application August 26, 1940, Serial No. 354,303
3 Claims. (Cl. 56—209)



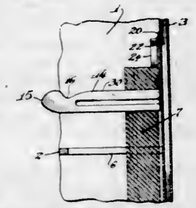
1. A device of the character described comprising upper and lower bars having means at their inner ends for pivotally connecting the bars with a harvester and mounting the device laterally of the harvester for vertical swinging movement, a stub axle extending longitudinally of the lower bar and projecting outwardly therefrom, said stub axle being mounted for vertical pivotal movement, a ground engaging wheel carried by said axle, an upright fixed at its lower end to the stub axle and having its upper end pivoted to the outer end of the upper bar for vertical pivotal movement, a bracing bar extending vertically between the upper and lower bars midway the length of the device and having perforated ears at its ends, and clamps secured about the upper and lower bars and passing through the ears to hold the bracing bar in place and permit pivotal movement of the brace to maintain the brace vertical in parallel relation to the standard.

2,273,667
ADJUSTABLE CHAIR
James R. Staudt, Fort Worth, Tex.
Application November 27, 1939, Serial No. 306,270
2 Claims. (Cl. 155—110)



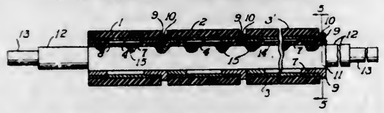
1. In a reclining chair having a base comprising a pair of connected uprights, longitudinal supports rigidly secured to the upper end of each of the said uprights, a back frame and a leg supporting frame pivotally secured to the rear and front ends of said supports, arm rests above the supports pivotally secured to the back frame and leg supporting frame, a seat below the supports pivotally secured to the back frame and leg supports, a back pivoted at its lower edge to the said seat and having a sliding pivotal connection with the said back frame at its upper end.

2,273,668
PACKAGE WITH MOUNT, AND COMBINATION THEREOF WITH A DISPENSING CABINET
Frank G. Steiner, Miami Beach, Fla., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application May 13, 1940, Serial No. 334,849
6 Claims. (Cl. 248—223)



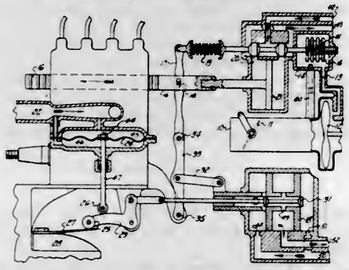
1. In combination with a support, a projection spaced outwardly from the support, said projection having extensions attached to the support and acting to secure the projection and to hold it spaced outwardly, a hanger bracket having a slot of the same configuration as and adapted to fit over said projection, said slot having recesses which cooperate with said securing extensions to hold the bracket against rotation and against motion in a direction parallel with the support.

2,273,669
SECTIONAL INKING ROLLER FOR PRINTING PRESSES
Russell L. Stumpf, Springfield, Ohio, assignor of one-half to Louis J. Stumpf, Springfield, Ohio
Application February 28, 1941, Serial No. 381,099
5 Claims. (Cl. 101—205)



1. In a sectional inking roller, a shaft, a plurality of inking sections, each section consisting of a sleeve, a covering of ink-applying material on the outer surface of said sleeve, a bushing in each end of said sleeve and connected therewith, one of said bushings extending no substantial distance beyond the corresponding end of said sleeve, the other bushing having an extended part projecting beyond said sleeve, a key secured to said shaft, each of said bushings having a keyway to receive said key to hold said bushing connected with said shaft to rotate therewith, and means carried by said extended part to engage said key to hold said section against endwise movement on said shaft.

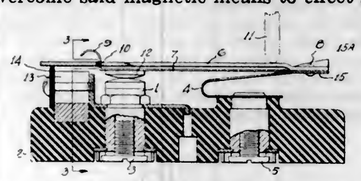
2,273,670
FUEL INJECTION CONTROL SYSTEM
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 4, 1940, Serial No. 322,103
4 Claims. (Cl. 123—140)



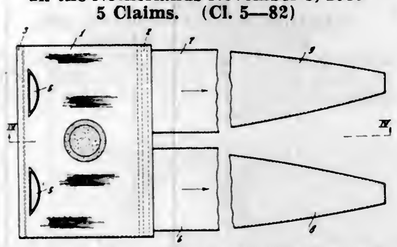
1. A fuel control unit for an internal combustion engine having a fuel injection pump adapted to supply fuel to said engine, air supply means for said engine, throttling means therefor, means responsive to the pressure of the air entering said engine for regulating the discharge of said fuel pump, said means being operative throughout the working range of the engine, additional regulating means responsive to the rate of fuel flow to said fuel pump adapted to admit additional fuel to said engine after the fuel flow exceeds approximately 40% of its maximum flow.

2,273,671
MAGNET SWITCH
Harold V. Ullberg, Portland, Oreg., assignor to L. R. Teeple Company, Portland, Oreg.
Application September 26, 1939, Serial No. 296,580
7 Claims. (Cl. 200—67)

1. A switch comprising a pair of contact points mounted respectively upon a base and resiliently with respect to an arm terminating in an armature, a leaf spring fixed at one of its ends to the base and attaching said arm resiliently and rockably to said base, magnetic means acting upon said armature to constrain said points into contact, and actuating means bearing upon said arm at its opposite extremity from said armature to bias the spring in a direction and to a degree to overcome said magnetic means to effect separation of said contact points, said spring being disposed for effective support of said arm between the extremities thereof and being conformed with a portion substantially parallel to said arm.

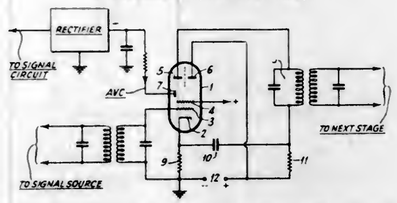


2,273,672
STRETCHER
Antonius Johannes Mathijs van Gasselt, Venlo, Netherlands
Application March 29, 1940, Serial No. 326,649
In the Netherlands November 3, 1939
5 Claims. (Cl. 5—82)



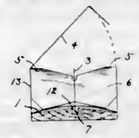
1. A stretcher including a flexible sheet of material such as a textile fabric adapted to be rolled up toward an end thereof, handle means upon one end of said sheet and flexible draw means of a length at least equal to that of the sheet connected to the other end of the sheet serving for the unrolling of said sheet upon pulling the same when the sheet and draw means are folded double at the junction of the same and beginning at the fold the sheet is rolled up with at least a portion of the draw means into a roll.

2,273,673
VOLUME CONTROL CIRCUIT
Carel Jan van Loon, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1940, Serial No. 321,180
In the Netherlands July 1, 1939
5 Claims. (Cl. 250—20)



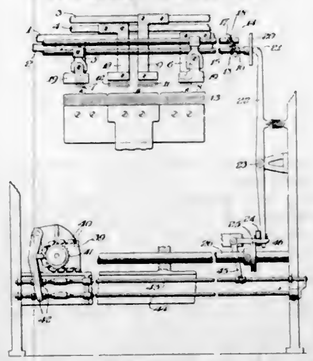
5. In combination with a source of signals, an electron discharge tube of the type including an emission element, a pair of positive output electrodes arranged substantially side by side to receive a flow of electrons from said emission electrode, means for impressing signals from said source upon said input electrode, a signal output circuit connected to one of said output electrodes, an auxiliary electrode disposed within the tube and substantially outside said flow of electrons for controlling the relative flow of electrons from said emission element to each of said output electrodes, means responsive to signal amplitude variations for varying the voltage of said auxiliary electrode, and additional means responsive to electrons deflected from said one output electrode to the other output electrode for degeneratively applying signal voltage to said input electrode.

2,273,674
EGG CARTON
Russell T. Van Vick, Duluth, Minn.
Application May 16, 1940, Serial No. 335,501
4 Claims. (Cl. 229—29)



1. A collapsible egg carton made of a unitary blank and including, sides, a bottom, and transverse partitions, a plurality of longitudinally alined spaced openings centrally of the bottom, a removable longitudinal central division wall, and hook-like members, spaced along the lower edge of said division wall and extendable downwardly through certain of said spaced openings, and upwardly extending tits formed at the free ends of certain of said hook-like members, and adapted to register upwardly within certain others of said spaced openings.

2,273,675
CONTROL ATTACHMENT FOR NARROWING MECHANISM
Arnold Friedrich Verbeek, Saxony, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application March 27, 1939, Serial No. 264,441
In Germany March 29, 1938
10 Claims. (Cl. 66—89)

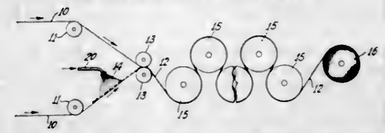


1. A control attachment for the narrowing mechanism of a flat knitting machine including a set of narrowing combs, comprising: an actuator for each comb for flexing the points thereof out of alignment with the needles of the knitting machine; a pair of slidably and rotatably mounted shafts connected to said actuators; mechanism actuated by a movable part of the knitting machine for the operation of said shafts to manipulate said actuators; a second mechanism actuated from a movable part of the knitting machine and operatively associated with said shafts for moving said actuators out of operative engagement with the narrowing combs.

2,273,676
MIXED UNSYMMETRICAL KETONES AND A PROCESS FOR PRODUCING THEM
Reginald L. Wakeman, Pittsburgh, Pa., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application September 8, 1939, Serial No. 293,952
12 Claims. (Cl. 260—586)

1. A ketonic condensation product comprising essentially a mixture of unsymmetrical ketones in which one radical is a lower alkyl radical and the other radical is a hydrocarbon radical selected from the group consisting of aliphatic and cycloaliphatic radicals containing 9 to 14 carbon atoms, said unsymmetrical ketones differing from one another with respect to said hydrocarbon radicals, said hydrocarbon radicals being identical with the residues of hydrocarbons selected from the group consisting of aliphatic and cycloaliphatic hydrocarbons present in a hydrocarbon mixture of the type of a petroleum distillate, said ketonic condensation product being obtainable by condensing a lower aliphatic acid chloride with a hydrocarbon mixture of the type of a petroleum distillate of which the major portion is composed of hydrocarbons selected from the group consisting of aliphatic and cycloaliphatic hydrocarbons containing 9 to 14 carbon atoms.

2,273,677
ARTICLE AND PROCESS OF MAKING THE SAME
Roger Wallach, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application December 30, 1939, Serial No. 311,809
15 Claims. (Cl. 154—40)

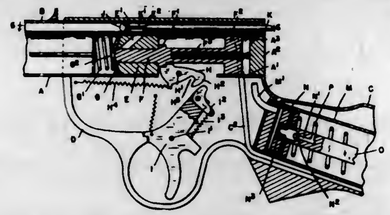


1. As an article of manufacture, a composite sheet material comprising a plurality of hydrophilic non-fibrous cellulosic pellicles united by a composition containing an adhesive consisting essentially of a hydrophilic cellulose ether.

2,273,678
REPEATING AIR GUN
Clive Nelson Webby, Riverlea, Taranaki, New Zealand, assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 358,003
12 Claims. (Cl. 124—13)

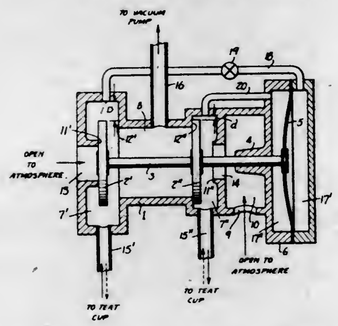
1. In an air gun, the combination with a storage chamber for compressed air and a shooting barrel, of an air delivery connection between said storage chamber and barrel, a valve for normally closing said air delivery connection having a limited area exposed to the air pres-

sure within said storage chamber and seated against said pressure, said valve being further provided with an oppositely facing portion of larger area exposed to air pressure derived from



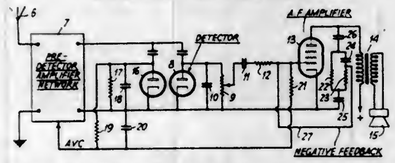
said barrel whereby said valve will be automatically closed upon delivery of a metered quantity of air to said barrel, and trigger actuated means for opening said valve.

2,273,679
VALVE DEVICE
Evald Eugén Westberg, Stockholm, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 30, 1940, Serial No. 326,979
In Sweden May 12, 1938
4 Claims. (Cl. 137—145)



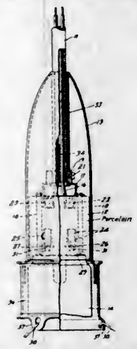
1. In a valve mechanism, a casing forming three aligned communicating chambers, shoulders forming valve seats between the center chamber and each of the end chambers, each of the end chambers being formed with a port communicating with a region in which the same fluid pressure exists, a valve member in each end chamber arranged to alternately cooperate with the seat and the port in the respective end chambers, means connecting said valve members together for simultaneous movement, means for connecting said center chamber with a region in which the fluid pressure differs from that existing in the first-mentioned region, and pressure responsive means for shifting said valve members in response to pressure changes in said end chambers, the cross-sectional area between the side edges of one of said valve members and the walls of the end chamber in which it is located being different from the corresponding space between the side edges of the other valve member and the walls of the other end chamber, to produce an unbalance in the fluid pressure acting on said connected valve members when said valve members are in an intermediate position spaced from both said valve seats and said ports.

2,273,680
AMPLIFIER CONTROL CIRCUIT
Hendrikus T. J. Wiegerinck, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1940, Serial No. 322,460
In Germany April 26, 1939
6 Claims. (Cl. 250—20)



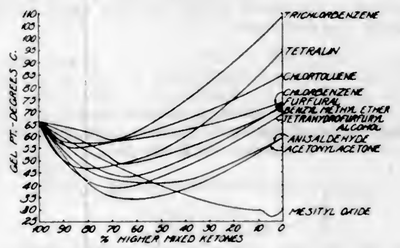
1. In a radio receiver of the type including a modulated carrier wave transmission network, a demodulator, a modulation voltage transmission network and means for controlling the transmission efficiency through said carrier network in response to received carrier amplitude variation; the improvement which comprises purely passive means for degenerating transmission of modulation voltage through said modulation network at the low and high portions of the modulation frequency range, and means responsive to said control means for minimizing said degeneration at relatively high received carrier amplitude.

2,273,681
LUMINAIRE
Frederic C. Winkler, Lakewood, and Andrew De Vries, Cleveland, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 309,004
8 Claims. (Cl. 240—78)



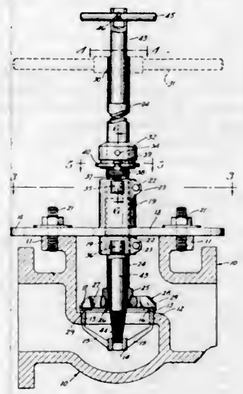
1. A luminaire comprising, a support stem, a socket attached to the bottom of the stem for supporting and conducting current to a lamp, a husk mounted on the stem and extending downwardly over the socket and terminating at the lower end of the socket, the joint between the side walls of the socket and husk being relatively close so as to prevent circulation of any appreciable amount of heated air therebetween, a cylindrical extension member of larger diameter than the husk attached to the bottom of the husk in spaced relation thereto and to the upper portion of the lamp and open at both ends to produce air circulation about the base of the lamp adjacent the lower end of the socket, and a reflector basin supported beneath the lamp from said cylindrical extension member.

2,273,682
POLYVINYL CHLORIDE SOLUTION AND METHOD OF MAKING THE SAME
Ralph F. Wolf, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 2, 1939, Serial No. 259,339
4 Claims. (Cl. 260—32)



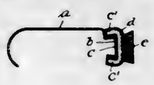
1. The method of making a solution of gamma polyvinyl chloride having a lower gel point than a solution in either solvent alone, which comprises dissolving gamma polyvinyl chloride in a mixed solvent containing a saturated aliphatic ketone containing between 4 and 7 carbon atoms and another compatible solvent having a boiling point between about 56° and about 247° C.

2,273,683
VALVE SEAT REFACING TOOL
William Aab, New Ulm, Minn., assignor to New Ulm Manufacturing Company, New Ulm, Minn., a corporation of Minnesota
Application August 26, 1940, Serial No. 354,156
10 Claims. (Cl. 90—12.5)



1. In a tool of the kind described, anchoring means having a sleeve-like hub, a tubular shaft mounted in said hub for independent rotary and axial movements, a cutterhead applied to the lower end of said tubular shaft, a centering stem extended through said tubular shaft and mounted for independent axial movements therein, and feed means interconnected between said hub and tubular shaft permitting free rotation of the latter and adjustable to produce a feed movement of said tubular shaft and cutterhead.

2,273,684
WEATHER STRIP
David C. Bailey, Amesbury, Mass.
Original application January 18, 1939, Serial No. 251,544, now Patent No. 2,197,332, dated April 16, 1940. Divided and this application November 9, 1939, Serial No. 303,649
6 Claims. (Cl. 20—69)



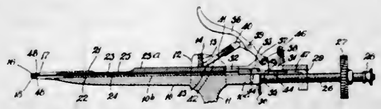
1. In combination with a body member having an elongated rib on the face side thereof, a weather strip having a U-form core of transversely corrugated sheet metal adapted to be bent in any direction and surrounding and fitting about said rib and frictionally engaged therewith, and cushioning means on the outer side of the middle portion of said core.

2,273,685
SHAVING DEVICE
Emil G. Berg, Erie, Pa., assignor of one-twentieth to Edmund J. Te Pas, Euclid, Ohio
Application October 15, 1936, Serial No. 105,765
5 Claims. (Cl. 30—43)



1. A cutter for a shaving device comprising a pair of similarly formed stampings which are secured face-to-face with each other; said stampings forming a bearing slot for receiving an operating member, a pair of longitudinally extending bearing flanges and a toothed cutting portion at one edge of the cutter.

2,273,686
SURGICAL INSTRUMENT
Samuel J. Blumenthal, Brooklyn, N. Y.
Application March 26, 1940, Serial No. 325,943
6 Claims. (Cl. 128—309)

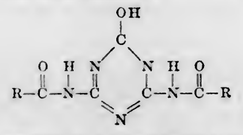


5. In an instrument of the class described comprising an elongated body terminating at one end in a relatively thin ring, three superimposed blades independently movable toward and from said ring, the top and bottom blades forming means for clamping tissue against said ring, the intermediate blade comprising a knife adapted to sever the tissue between said first named blades, independent means for moving said blades, a key member movable longitudinally of said body, cooperating means on said key member and blades for maintaining vertical alinement of said blades, and said key member slidably engaging said top and bottom blades and closely engaging said intermediate knife blade thereby forming means for positively advancing and retracting said knife blade with respect to the top and bottom blades.

2,273,687
DIACYLAMINO-1,3,5-TRIAZINES
Louis H. Bock, Glenside, and Alva L. Houk, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application October 21, 1939, Serial No. 300,549
12 Claims. (Cl. 260—248)

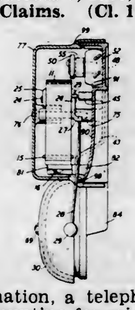
8. The reaction mixture obtained by the condensation by heating within the temperature range of about 80° C. and about 250° C. an aliphatic carboxylic acid with dicyandiamide in the substantial absence of water.

10. A compound having, in one of its tautomeric forms, the formula



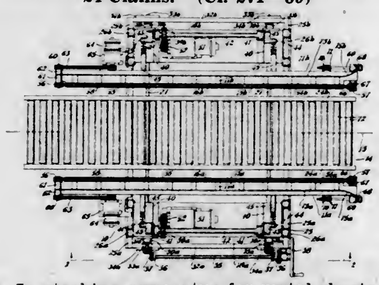
wherein R represents a member of the group consisting of hydrogen and aliphatic radicals.

2,273,688
AUDIBLE SIGNAL DEVICE
Andrew L. Bolz, New York, N. Y., Harold A. Bredehoft, Millington, N. J., and Charles F. Wiebusch, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,408
6 Claims. (Cl. 177—7)



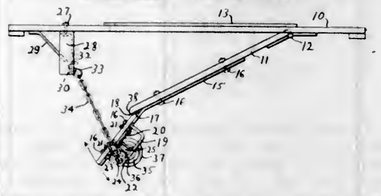
1. In combination, a telephone ringer having a bell, and a mounting for said ringer comprising a casting to which said ringer is secured and having a hemispherically shaped portion supporting said bell and constituting a resonator therefor.

2,273,689
SHEET STACKER
Eugene F. Boron and Roy E. Carter, Niles, Ohio
Application March 16, 1940, Serial No. 324,370
24 Claims. (Cl. 271—89)



1. In stacking apparatus for metal sheets and the like, two longitudinally extending endless belt conveyors having a clear space laterally therebetween, the conveyors being adapted in a first position to receive and convey and support the entire length of opposite edges of a sheet moved onto the conveyors, two motor drive means, each motor drive means being drive connected with one of the conveyors, and means for moving the motor drive means and the conveyors laterally away from and back to the first position for dropping a conveyed sheet into the clear space between the conveyors.

2,273,690
DOOR
Joseph H. Bowers, Wahoo, Nebr.
Application April 20, 1939, Serial No. 268,932
5 Claims. (Cl. 20—16)



5. In a device of the class described, a door hinged in a support and adapted to swing horizontally, an angular wing attached adjacent the free vertical edge thereof, and door closing means comprising a bracket extending in the direction of door opening movement, a weight, a flexible, weight supporting member, means for attaching one end of the flexible member in various positions along the bracket, and means for operably connecting the flexible member to the door, said weight supporting member, when attached to the bracket outwardly of the support therefor, depending substantially vertically throughout its length and exerting substantially no closing force on the door when the latter is in the closed position.

2,273,691
OFFSET PISTON RING CONSTRUCTION
Thomas A. Bowers, Mattapoisett, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application November 7, 1940, Serial No. 364,674
6 Claims. (Cl. 309—45)



1. A flexible piston ring comprising a strip of piston ring material folded longitudinally of itself, said strip having openings extending transveresly inward from each of its edges in overlapping relation, said openings defining crowns and connecting web portions and said web portions being arranged in staggered relation in a direction radially of the ring.

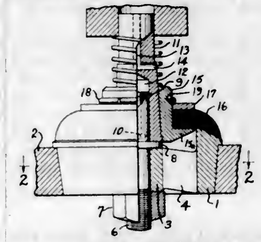
2,273,692
FASTENING
William J. Boyer, deceased, late of Wilmington, Del., by Frederick G. L. Boyer, administrator, Hamilton, Ohio, assignor to Frederick G. L. Boyer, Hamilton, Ohio
Application July 3, 1939, Serial No. 282,712
7 Claims. (Cl. 152—237)

5. An anti-skid chain structure comprising, in combination: a cross chain connecting plate having a slot; a strap passed through said slot to lie upon opposite sides of the plate; an end of said strap secured to one face of the plate adjacent the slot; a sheet metal member passing through said slot with the strap, lying between the body of the strap and a face of the plate and



turned about the material of the plate at one edge of the slot to completely surround said portion; a portion of said member extending from the plate in contact with and secured to the body of the strap to provide a second means for transferring strains of cross chains upon the plate, to the strap.

2,273,693
VALVE ASSEMBLY
James B. Burks, Houston, Tex., assignor of one-third to Monroe B. Taylor, Harris County, Tex.
Application January 6, 1940, Serial No. 312,690
2 Claims. (Cl. 251—144)



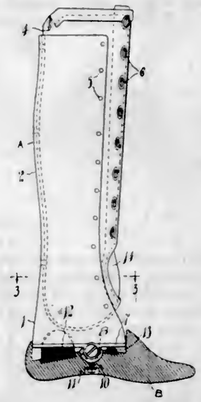
1. A valve assembly comprising a valve seat having an outside tapering face, a spider in the seat, a guide rod anchored to the spider, a valve stem having an axial socket to receive the upper end of the guide rod, a valve body on the stem, a valve disc formed of resilient material on the body and removable therefrom whose underside has a tapering face adapted to cooperate with the seat face, the guide rod and the stem each having a channel leading downwardly from the upper ends thereof and terminating in lateral ports.

2,273,694
DECALCOMANIA PAPER
Lewis Davis and Edwin C. Tuukkanen, Worcester, Mass., assignors to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts
No Drawing. Application August 10, 1939, Serial No. 289,454
11 Claims. (Cl. 41—33)

1. A decalcomania paper comprising a water-pervious backing sheet and a coating of a normally dry, non-tacky adhesive united to the surface of said sheet by a union readily releasable by water, said coating being readily softened by water and rendered tacky thereby but containing a substantial proportion of an adhesive strongly resistant to the solubilizing action of water.

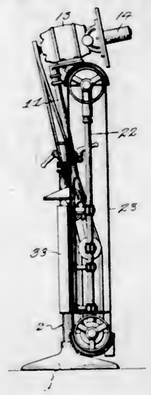
2,273,695
ARTIFICIAL LEG
Stanley J. Dew, Toronto, Ontario, Canada
Application January 15, 1941, Serial No. 374,445
6 Claims. (Cl. 3—3)

1. In an artificial limb for use with a "Symmes" amputation, a shank-encasing member comprising a base having a stump-receiving socket formed in its upper side; an open-fronted support forming an upward extension of the rear



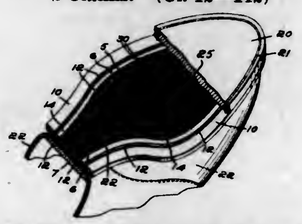
and sides of said socket for supporting the rear and sides of the calf of the leg; a tubular shank sheath secured in said open-fronted support; and an artificial foot member pivotally connected with the base.

2,273,696
SANDING MACHINE
William L. Ducker, Jr., Tulsa, Okla., assignor to Walter S. Koons, Tulsa, Okla.
Application October 25, 1940, Serial No. 362,842
5 Claims. (Cl. 51—135)



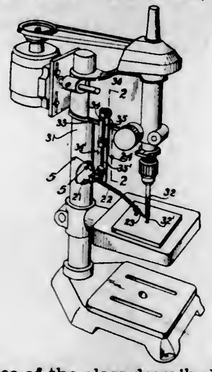
1. A portable sanding machine comprising a base, an upright carried by said base, a motor and sander belt frame supporting bar universally connected to the upper end of the upright and adapted to be held in various adjusted positions, said motor bar being universally connected to the upright intermediate the ends of said motor bar, a drive motor carried by one end of the motor bar, an endless sander belt carrying bar hingedly and axially adjustably connected to the other end of the motor bar, an endless sander belt carried by the sander bar and means for driving said sander belt from the motor at the other end of the motor bar.

2,273,697
SHOE STRUCTURE, INSOLE, AND METHOD OF MAKING SAME
Elmer A. Ellis, Medford, Mass.
Application May 4, 1940, Serial No. 333,283
2 Claims. (Cl. 12—142)



1. A flexible insole for use in the manufacture of boots and shoes, comprising a base layer, and a reinforcing textile layer, said two layers being secured together by adhesive, said textile layer being woven with relatively heavy warp threads and relatively light cross-threads, and applied to said base layer with the heavy warp threads crosswise of the insole, said light threads being lengthwise of the insole and normally capable of withstanding lasting strains during shoe manufacture, but breakable upon flexing of the sole during use.

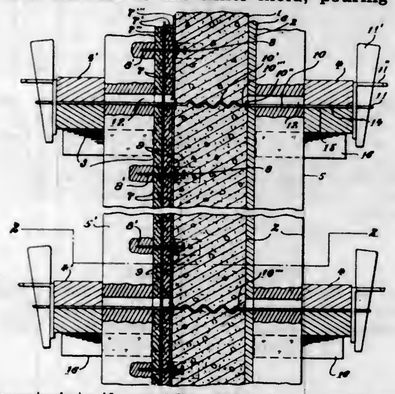
2,273,698
AUTOMATIC OIL FEEDING DEVICE FOR METAL WORKING MACHINES
Fenwick L. Ellis, Chicago, Ill.
Application December 11, 1940, Serial No. 369,537
3 Claims. (Cl. 77—55)



2. In a device of the class described, an oil container provided with bendable spout means thereon, a member adjustably inserted in the channel in the end of the spout means to regulate the flow of oil therethru, and air-inlet means on the container operable to let in air or to close the inlet.

2,273,699
CONCRETE WALL CONSTRUCTION
Foster T. Fenton, Baltimore County, Md.
Application August 16, 1939, Serial No. 290,340
4 Claims. (Cl. 72—16)

1. The method of molding and covering the inner surface, of a concrete wall for buildings and similar enclosures which consists in constructing an inner mold by affixing a sheet of material, which is approximately impervious to the plastic concrete and is also adapted to act as a plaster base, to spaced inner frame members used to support the inner mold and located inside said enclosure, employing as securing means, anchoring devices projecting into the mold cavity and also extending through said sheet material and having a separable engagement with said inner frame members, an outer mold being located in suitably spaced relation to the inner mold, pouring the

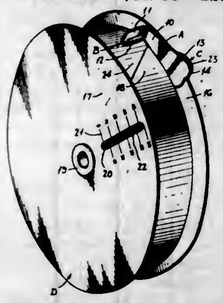


concrete into the mold cavity between said molds and permitting the concrete to set whereby the anchoring devices are secured in and to the concrete, removing the inner frame members and thus separating them from the anchoring devices leaving the sheet material and anchoring devices affixed to the concrete and applying a plaster like coating to the sheet metal.

2,273,700
DECORATED FOIL AND FILM
Kurt Feuerstein, Frankfort-on-the-Main, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 17, 1939, Serial No. 274,105. In Germany June 4, 1938
2 Claims. (Cl. 18—61)

1. The process of applying designs to sheets of thermoplastic material which comprises filling the depressions of a design sunk in a non-porous plate with a paste consisting of a pigment and an organic vehicle, pouring a solution of a thermoplastic material on said plate, said vehicle being soluble in said solution, and evaporating the solvent.

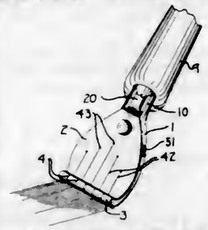
2,273,701
NARROW FABRIC HOLDER DEVICE
Juliann Whitehill Funke, Pelham Manor, N. Y.
Application August 22, 1939, Serial No. 291,295
8 Claims. (Cl. 33—128)



1. In combination with a spool having a reel

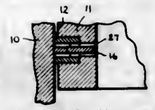
of a narrow fabric and side flanges, a sheet metal clip to hold the end of the fabric comprising a main body member consisting of a U-shaped strip of metal, the legs of which are placed upon one of said side flanges to grip the same, and a finger with a curled edge extending from one side of the body member to press the end of the narrow fabric.

2,273,702
BROAD-TIPPED PEN AND FEEDER
Ross F. George, Seattle, Wash.
Application August 16, 1940, Serial No. 352,904
22 Claims. (Cl. 120—111)



1. A pen body having a broad marking tip, longitudinally slit, to define a plurality of fingers, for transverse flexibility; a feeder disposed at one side of the pen, and extending across a material part of the width of the pen's tip, in position to constitute an ink reservoir and a capillary channel to feed ink to the tip; said feeder being characterized in that it has sufficient transverse flexibiity to permit substantially unrestricted transverse flexing of the pen's tip, in marking, notwithstanding pressure of the pen's fingers thereagainst.

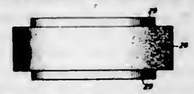
2,273,703
PISTON RING
Willis H. Gille, St. Paul, Minn., assignor to Power Research Corporation, Boston, Mass., a corporation
Application January 22, 1940, Serial No. 314,969
2 Claims. (Cl. 309—45)



1. In combination, a hollow piston having an annular groove in the outer surface thereof, openings extending from the inner wall of said groove to the inner surface of said piston, a piston ring disposed in said groove, said piston ring having a plurality of openings extending therethrough and communicating with the openings through said piston, and a member associated with said ring and having portions extending through both said openings in the piston ring and said openings in the piston, said member being reciprocable with respect to said ring and piston in the direction of normal movement of said piston in operation so as to reciprocate said portions within said openings as said piston is reciprocated.

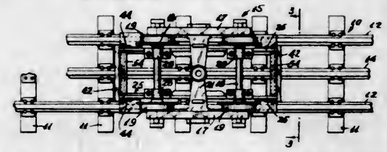
2,273,704
ELECTRICAL CONDUCTING MATERIAL
Richard O. Grisdale, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1935, Serial No. 44,344
15 Claims. (Cl. 201—72)

1. An electrical conductor having non-ohmic characteristics for a potential range from a few volts to a few hundred volts, said conductor comprising conductive granules, each of which is completely coated with a thin film of a material



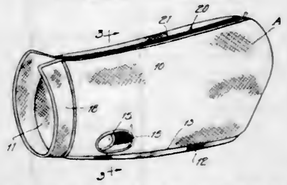
having a low conductivity such as is normally associated with insulators, and a bond for bonding the granules together and in which the insulating film is insoluble.

2,273,705
RAILROAD SAFETY DEVICE
Diego Guerrero, Brooklyn, N. Y.
Original application December 1, 1939, Serial No. 307,127. Divided and this application November 5, 1940, Serial No. 364,350
6 Claims. (Cl. 104—248)



1. A railroad truck having an axle carrying wheels engageable on a pair of spaced tracks, a pair of longitudinal members slidably mounted on said axle to move laterally of said truck, downwardly extending fins formed on the ends of said members and engageable with the inside faces of the heads of said tracks to prevent derailment of the truck, means for limiting the outward movement of said members to positions in which said fins will be in close proximity to the inside faces of said heads, a sleeve of a length shorter than the space between the adjacent faces of said members, means supporting said sleeve between the ends of said members, a pair of spaced sleeves on said first sleeve, and resilient means on said first sleeve and operating between the inner ends of said second sleeve for spreading said second sleeves to cause their outer ends to engage the inner faces of said members and spread said members to cause said fins to be disposed in close proximity to the inside faces of the heads of said tracks, whereby said members may be squeezed together against the action of said resilient means to disengage said fins from beneath said track heads permitting said truck to be removed from said tracks.

2,273,706
ANIMAL GARMENT
Marcelite F. Hafner, New York, N. Y.
Application May 14, 1940, Serial No. 335,173
1 Claim. (Cl. 54—79)



As an article of manufacture, an animal garment comprising a body encircling member formed of two similar side members of non-stretchable material, an under body member of

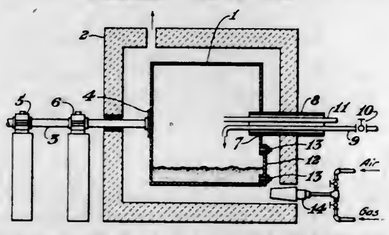
stretchable material extending throughout the length of the body encircling member for connecting said side members together and to permit of independent adjustment thereof, a leg opening formed in each of said side members, a collar of non-elastic material secured to one end of each side member, and means for securing the garment in body encircling position, said last mentioned means comprising a separable fastener for securing together, the unattached side edges of the side members.

2,273,707

METHOD OF MAKING PURE MAGNESIUM OXIDE

Sheldon B. Heath and Alvin D. Dahl, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application October 30, 1939, Serial No. 301,894
4 Claims. (Cl. 23—201)



1. In a method of producing highly pure magnesium oxide from metallic magnesium and water, the steps which comprise adding water to a body of molten magnesium in an enclosed space in the absence of air and at substantially atmospheric pressure, controlling the rate of addition of the water so that the temperature of the reaction does not exceed about 800° C., stopping the addition of water when the evolution of hydrogen substantially ceases, and thereafter heating the reaction mixture above about 650° C.

2,273,708

STABLE YELLOW CUPROUS OXIDE

Loren C. Hurd, Glenside, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application June 9, 1939, Serial No. 278,322
3 Claims. (Cl. 167—16)

1. A fungicidal composition containing a yellow cuprous oxide substantially all of the particles of which are less than four microns in diameter characterized by its color, its fine state of subdivision, its high copper content, and the presence of a small amount of a lyophilic protein colloid within and surrounding the particles thereof.

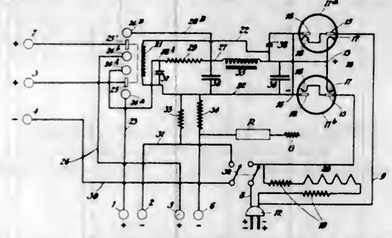
2,273,709

ELECTRIC POWER TRANSMISSION CIRCUIT

Townsend S. Jones, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application February 2, 1939, Serial No. 254,290
11 Claims. (Cl. 250—27)

7. In a radio receiver including vacuum tubes in the signal-translating channel thereof, a battery circuit for supplying power to said tubes to operate said receiver, a power-supply circuit connectible to a power line for supplying power to said tubes to operate said receiver, means for selectively connecting said battery circuit or said power-supply circuit to said tubes, and means responsive to the energization of said power-supply circuit from a power line for actuating



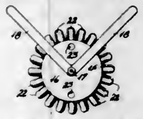
said connecting means to disconnect said battery circuit from said tubes during operation of said receiver by power from said power line.

2,273,710

MASSAGE DEVICE

John F. Klaes, Denver, Colo., assignor, by mesne assignments, of one-half to J. Scott Hyde, Denver, Colo., and one-half to Helen Margaret Klaes, San Francisco, Calif.

Application November 17, 1938, Serial No. 240,964
1 Claim. (Cl. 128—57)



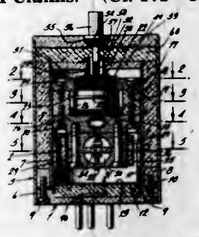
Massage apparatus comprising a handle frame and a roller assembly journaled for rotation about its axis in said frame, said roller assembly comprising a hollow, cylindrical shell and a plurality of identical, U-shaped elements, each formed to provide a pair of parallel, cylindrical fingers having smoothly rounded tips, disposed with their parallel members intersecting said shell to project radially, uniformly, and in closely-spaced relation outwardly therefrom.

2,273,711

PIEZOCRYSTAL DEVICE

Mark Klein, Flushing, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York

Application August 22, 1940, Serial No. 353,643
14 Claims. (Cl. 171—327)



1. In a piezo-crystal device, a heat insulated gas-tight casing comprising tubular inner and outer members, end closure members for the outer casing and joined thereto in a gas-tight manner, one of said closure members carrying a plurality of rigid contact prongs, a removable closure plug in the other closure member, a unitary assembly of piezo-crystal and holder mounted within said casing, said unitary assembly having a frequency adjusting member in

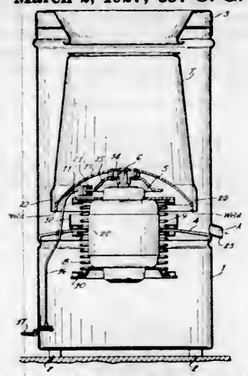
alignment with said plug whereby said crystal can be adjusted without removing it from the casing.

2,273,712

LAUNDRY MACHINE MOUNTING

Emil Köttgen, Berlin-Gross-Glienicke, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 31, 1939, Serial No. 276,683
In Germany May 30, 1938
4 Claims. (Cl. 248—26)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



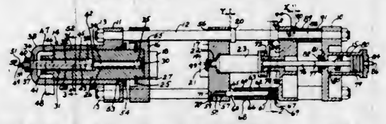
1. In a resilient support for a centrifuge structure including a basket and a motor for driving the same, the combination of a support, helical spring means having a portion intermediate the ends thereof carried by said support, said helical spring means being disposed substantially in coaxial relation with respect to the motor, first and second carrier members secured to axially spaced portions of the centrifuge structure, and means for securing the end portions of the spring means to the first and second carrier members, respectively.

2,273,713

PLASTIC INJECTION MOLDING MACHINE

Ira B. Lawyer, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware

Application October 6, 1938, Serial No. 233,630
10 Claims. (Cl. 18—30)



2. In a plastic injection molding machine, an injector with a nozzle for supplying plastic material to said machine, a sectional mold arranged to receive molding material from said nozzle, fluid pressure means for closing and holding the mold sections together, spring means for yieldingly supporting one of said mold sections against the thrust of the other section, a fixed stop positioned to arrest the motion of one of said mold sections after the closing of said mold sections following the compression of said spring means by said mold-closing motion, and additional spring means for holding said nozzle in engagement with one of said mold sections.

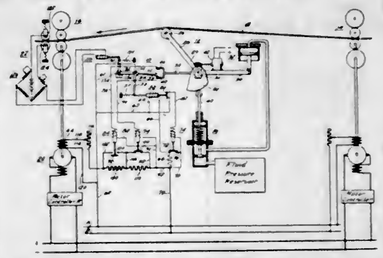
3. In a plastic injection molding machine, an injector with a nozzle for supplying plastic material to said machine, a sectional mold arranged to receive molding material from said nozzle, fluid pressure means for bringing and holding the mold sections together, spring means for yieldingly supporting one of said mold sections against the thrust of the other section, means to absorb said thrust without completely compressing said yielding means, said yielding means causing engagement of said nozzle with said mold, and a motor for forcibly separating said nozzle from the mold section engaged thereby.

2,273,714

TENSIOMETER CONTROL SYSTEM

Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 21, 1939, Serial No. 263,146
13 Claims. (Cl. 80—35)



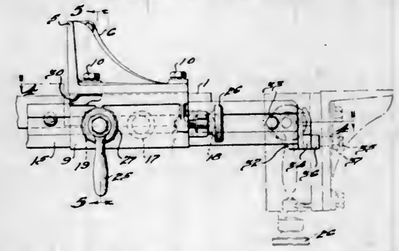
1. In a system for controlling the tension on a strip of material as it passes between two adjacent work devices, force operated tensioning means for applying such transverse forces to the strip as will cause the strip tension to vary as a function of the amount of deflection of the strip from its normal pass line between the work devices, regulating means responsive to the degree of deflection of the strip for maintaining the strip deflection within a predetermined range, and continuously operating means responsive to the strip thickness for automatically causing said regulating means to vary the range of deflection of the strip in accordance with variations of the strip thickness.

2,273,715

RIP FENCE FOR BENCH SAWS

John H. Lonskey, Ypsilanti, Mich., and Samuel O. Rice, Jr., Winnetka, Ill., assignors to Central Specialty Company, Ypsilanti, Mich., a corporation of Michigan

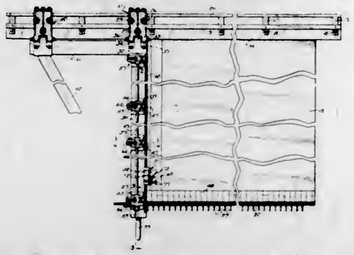
Application September 14, 1938, Serial No. 229,900
2 Claims. (Cl. 143—174)



1. In a wood working machine having a bed and a cutter, a channel track secured to one side

of the bed, a carriage movable longitudinally of the channel track, a rip fence supported on the carriage and movable over the bed with a face thereof in a plane parallel with the plane of the cutter, a shaft on the carriage, means including the shaft for clamping the carriage to the channel track at any desired position, a guide member mounted on the carriage and riding in the channel track, the guide member being in the form of an eccentric and being turnable to raise or lower one end of the carriage on the shaft as a pivot, the channel track extending beyond one side of the bed and the rip fence being movable to the extending end of the channel track and turnable with the shaft to bring the said face of the rip fence to the plane of the bed.

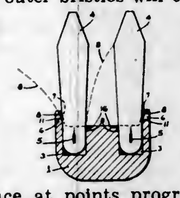
2,273,716
GLASS CUTTING APPARATUS
Raoul J. Louviaux and Arthur W. Goralske, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 28, 1940, Serial No. 354,564
12 Claims. (Cl. 33—32)



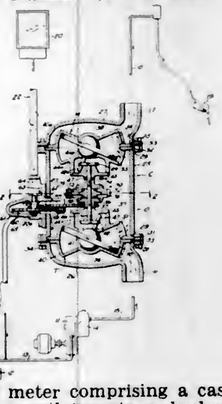
1. In apparatus for cutting sheets or plates of glass and the like, a table for horizontally supporting the sheet or plate to be cut, a cutter support bar mounted above said table, means for supporting said cutter support bar for movement across said table, supporting elements movably carried by said cutter support bar and each being provided with a rack portion, a rail carried by said supporting elements and extending longitudinally of said cutter support bar, a cutting unit mounted for movement along said rail and including a cutting tool, a shaft carried by said cutter support bar, gears fixed to said shaft and meshing with the rack portions of said supporting elements, means for rotating said shaft to effect actuation of said supporting elements to move said rail bodily horizontally toward or away from the said cutter support bar including a handle keyed to one end of said shaft, a stationary gage plate associated with said handle, and coacting means carried by said handle and gage plate for securing said rail in predetermined adjusted position upon turning of said shaft.

2,273,717
BRUSH
Glen E. Millard and William G. Hughes, St. Paul, Minn., assignors to Lactona Incorporated, St. Paul, Minn., a corporation of Minnesota
Application January 14, 1938, Serial No. 184,982
9 Claims. (Cl. 15—167)

1. A bristle brush comprising a head, bristles mounted on said head to project from a face thereof, and means for supporting the outer of said bristles against outward deflection comprising a supporting ridge having a curved bristle-supporting surface rising from the plane of said face and from adjacent the outer sides of said outer bristles at said plane, said bristle-supporting surface being continuously curved away from the normal unflexed position of said bristles from said plane to substantially the top of the ridge, whereby said outer bristles will engage said supporting surface at points progressively farther removed from their normal unflexed positions, along their lengths from the said plane to the top of the ridge, when said bristles are deflected in the direction of said supporting surface.



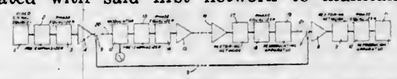
2,273,718
LIQUID METER
Porter S. Morgan, Westport, Conn.
Application October 18, 1940, Serial No. 361,757
7 Claims. (Cl. 73—232)



1. A liquid meter comprising a casing formed with inlet and outlet ports, a hydraulically responsive flow member positioned in the casing adjacent the inlet port, a second hydraulically responsive flow member positioned in the casing adjacent the outlet port, said members being spaced in said casing and each being formed with inlet and outlet ports to provide a series passage through said casing and said members, means connected to said first named member adapted to drive a counter, a vent port formed in the casing intermediate said members, a valve for normally closing said port, and differential gearing interposed between said members and connected thereto and to said valve for actuation of said valve in response to asynchronous movement of said hydraulically responsive flow members resulting from flow of liquid through said casing.

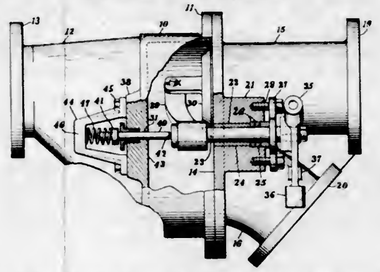
2,273,719
TELEVISION SIGNALING SYSTEM
Laurence W. Morrison, Jr., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,401
2 Claims. (Cl. 178—44)

1. In the art of signaling, the combination with electrical conducting means of means for impressing thereon signal waves, or a carrier wave modulated in accordance with such signal waves, of the kind produced by successive scanning of elemental lines of a picture or field of view, said conducting means comprising a network adapted to transmit a range of frequencies with greater attenuation in one portion of the range than in another and a phase equalizer network associated with said first network to maintain a



linear phase shift of the network combination to reduce the peak amplitude of the signal wave, a third network having a transmission characteristic which is complemental to that of said first network, means for impressing the signal wave from said conducting means upon said third network, and a fourth network associated with said third network which corrects, at least in part, for non-linear phase shifts in said third network.

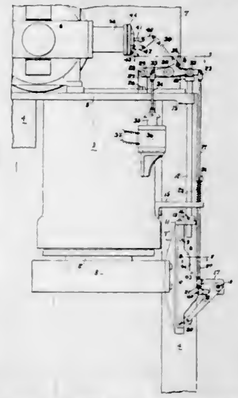
2,273,720
VALVE
Joseph H. Morrow, Hokendauqua, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application February 28, 1941, Serial No. 381,029
1 Claim. (Cl. 251—18)



In a slidable valve having a chamber provided with a plane inner surface through which is formed at least one port, the surface acting as a valve seat, the combination of a flat valve disc lying against said seat, a spindle extending into the chamber through a wall thereof at one side of and at right angles to the plane of said seat, an arm rigidly secured to the spindle and connected to the disc, means for rotating the spindle to cause the arm to move the valve over the seat to open and close the port, a rod extending through a wall of the chamber in axial alignment with the spindle, the rod having a rounded end bearing on the spindle, a collar on the rod outside the chamber and spaced from the chamber wall, a spring encircling the exposed end of the rod beyond the collar and bearing at one end against the collar, a member secured to the chamber wall, the spring bearing at its other end against the member, and a packing gland sealing the rod in the opening in the chamber wall.

2,273,721
SPEED CONTROL MECHANISM FOR HYDRAULIC PRESSES
Johan A. Muller, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application October 26, 1939, Serial No. 301,515
5 Claims. (Cl. 60—52)

1. The combination of a hydraulic press containing a piston which terminates in a platen and a variable delivery pump including a flow-control member for controlling and supplying pressure fluid alternately to the opposite sides of the piston whereby the piston moves first on its working stroke and then returns, a servomotor piston in said delivery pump for shifting said flow-control member in order to control the supplying of pressure fluid to the press, the movement of said piston being controlled by a valve associated with the piston, means including an electromagnet and an armature therefor for initially moving the servomotor valve to cause the press piston to start its working stroke, means for controlling the further movement of the servomotor valve in a predetermined manner and in accordance with the position of the press



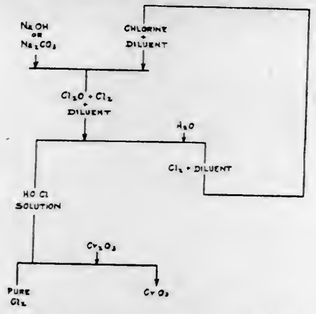
piston in its stroke, said last-mentioned means including a cam secured to said platen and a cooperating follower, a first lever pivoted at one end on the press and connected at the other end to said follower through a follower rod, and a second lever pivotally mounted on said first lever and connected at one end to said armature and at the other end connected to the servomotor valve through a connecting rod, said electromagnet when energized to initiate the working stroke serving to hold the armature in a fixed position by which a fixed pivot is provided for said second lever whereby the connecting rod secured to the second lever pushes the servomotor valve to one of a plurality of on-stroke positions determined by the relative positions of the cam and its follower in order to vary the instantaneous speed of the press platen.

2,273,722
PREPARATION OF SOLID CAUSTIC
Irving E. Muskat, Akron, and Dwight R. Means, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application January 9, 1937, Serial No. 119,876
3 Claims. (Cl. 23—300)

1. An improvement in the process of dehydrating an aqueous solution of an alkali metal hydroxide at a pressure below 16 inches of mercury to insure precipitation of granules of alkali metal hydroxide during dehydration which comprises preventing substantial corrosion of the dehydrating equipment by the hydroxide and contamination of the hydroxide by mixing a non-reactive liquid coating agent, which is substantially nonvolatile at the temperature of dehydration, with the aqueous hydroxide and dehy-

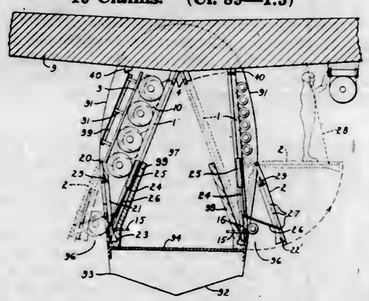
drating said hydroxide, the concentration of said agent in the mixture being of sufficient magnitude to cause formation of a corrosion resistant film upon the walls of the evaporator and upon precipitated granules of the hydroxide.

2,273,723
RECOVERY OF CHLORINE FROM GASEOUS MIXTURES
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 14, 1939, Serial No. 267,917
12 Claims. (Cl. 23—145)



1. A method of recovering chlorine from a gaseous mixture which is derived from a process which results in the formation of a gaseous mixture containing chlorine and a substantial amount of other gaseous constituents which are normally insoluble in water which comprises treating the mixture to convert at least a substantial portion of the chlorine into chlorine monoxide, contacting the mixture with a quantity of water whereby the major portion of the chlorine monoxide is absorbed without absorption of a substantial amount of said gaseous constituents, and a solution of hypochlorous acid is produced, contacting the hypochlorous acid with an oxidizable material which is capable of reducing hypochlorous acid to generate chlorine and recovering the chlorine.

2,273,724
BOMB-CARRYING AIRPLANE
Richard H. Nelson, Richard L. Stith, and Thomas A. Endres, Seattle, Wash., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application November 8, 1939, Serial No. 303,420
19 Claims. (Cl. 89—1.5)

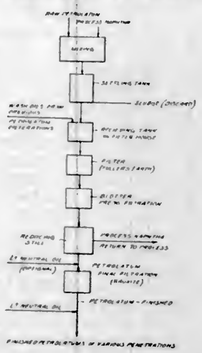


15. A bomb-carrying aircraft comprising a fuselage enclosing a bomb bay having an opening adjacent the lower portion of its side for discharge of bombs, a multiple-station bomb rack within the bomb bay including stationary suspending means releasably holding each bomb individually, guide rails engaging the inner sides of said bombs held by said bomb rack, extending therebelow to said opening, and generally inclined slightly from vertical, the lower ends of said guide bars being disposed outwardly of the upper ends, means operable to release said individual bomb suspending means separately or simultaneously to enable said bombs to fall freely through the bomb bay guided by said rails, for discharge through said opening, and means disposed laterally outward from the side of said fuselage for engagement by the freely falling bombs after discharge through said opening for deflecting the bombs from a downward and outward course to a directly downward course with substantially unimpeded movement.

2,273,725
TAR
Philip A. Ray, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 8, 1940, Serial No. 360,263
16 Claims. (Cl. 252—1)

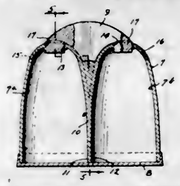
1. As a new article of manufacture, a tar comprising a blend of the residue of the destructive distillation of a pine wood resin which contains at least about 15% of gasoline-insoluble resinous material, and a resin oil miscible therewith.

2,273,726
FINISHING PETROLATUM
David F. Renshaw, Olean, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 401,612
3 Claims. (Cl. 196—21)



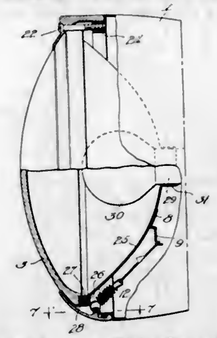
1. That method for the finishing of petrolatum stocks to produce brilliant, clear petrolatums consisting of the steps of diluting raw petrolatum stock with about an equal portion of process naphtha, subjecting the solution to a prolonged period of settling to settle and separate therefrom a sludge, passing the clarified solution through a percolating filtration with an adsorbent filter material, blotter pressing the filtered solution, distilling the solution to remove naphtha therefrom, and percolating the reduced petrolatum through an adsorbent filter material to filter to final color.

2,273,727
CONDIMENT CONTAINER
Benjamin R. Rowen, Flint, Mich., and Elno H. Trump, Barberton, Ohio, assignors to Ward Plastic and Rubber Company, Detroit, Mich., a corporation
Application March 20, 1940, Serial No. 324,944
1 Claim. (Cl. 65—45)



A condiment container comprising a molded member, the upper reaches of which define a pair of individual bodies, the adjacent sides of which terminate near the base in a common wall, each body having a filler opening and dispensing apertures, and each filler opening having a press-fitted stopper, the said stoppers being joined together by a carrying handle having a bearing surface adapted to ride on the side of each body.

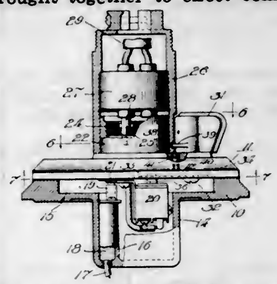
2,273,728
ELECTRIC LIGHT FIXTURE
Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application December 29, 1939, Serial No. 311,437
2 Claims. (Cl. 240—41.5)



1. In combination, a dish-shaped reflector, a lens extending across the front of the reflector, a sealing gasket between the lens and the edge face of the reflector, the rim of the reflector being flanged over the marginal portion of the lens to cause the gasket to be compressed, a bezel engaged with the front side of the lens, an anchoring member overlying the center of the back side of the reflector, and a plurality of tension springs connecting said anchoring member to points distributed angularly of the bezel.

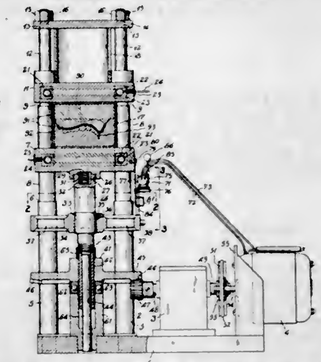
2,273,729
SWITCH BOX HAVING PLUG-IN OUTLET
Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application July 31, 1940, Serial No. 348,939
9 Claims. (Cl. 200—168)

1. In combination, a cover for a connection box comprising two members lying one upon the other, said members being shaped to form between them a sealed switch chamber the lower portion of which extends down into a box to which the cover is applied, a switch in said chamber, contact pieces on said members engaging with each other in said chamber when said members are brought together to effect connections



in a circuit containing said switch, an outlet for said circuit including a connector adapted to be plugged into the upper cover member, and lead-in wires passing through and sealed in a wall of the said lower portion of said chamber.

2,273,730
AUTOMATIC COMBINED HEATING AND COMPRESSING APPARATUS
Garland S. Varcoe, Cleveland Heights, and Edwin A. Purdy, University Heights, Ohio, assignors to Garland S. Varcoe, Cleveland Heights, Ohio
Application September 10, 1938, Serial No. 229,314
5 Claims. (Cl. 18—17)



2. An apparatus of the character described having in combination a frame providing a support, a fixed abutment and a movable abutment on said support, a plurality of movable elements for moving said movable abutment toward said fixed abutment including a lost-motion connection having a spring element between said movable elements and said movable abutment, and a frame-contacting, sliding, abutment locking and releasing element on one of said movable elements, whereby the movement of at least one of said elements will be continued after the movable abutment has reached its limit of movement toward the fixed abutment.

2,273,731
STAINLESS STEEL CONTAINING BISMUTH
Robert S. Peoples and Henry A. Holden Pray, Columbus, Ohio, assignors to Alloy Casting Institute, of New York, an unincorporated association of New York
No Drawing. Application January 17, 1940, Serial No. 314,244
6 Claims. (Cl. 75—126)

5. A ferrous alloy of the stainless steel type

containing between 12 and 30 per cent chromium, and having improved machinability due to the presence of bismuth therein, said alloy containing from .02 to 1.0 per cent bismuth.

2,273,732

METHOD OF MAKING SLIDE FASTENERS

Sverre Quisling, Madison, Wis., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania

Application January 10, 1939, Serial No. 250,180
11 Claims. (Cl. 154—2)



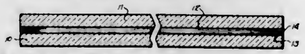
1. The process of forming slide fastener stringers each consisting of a flexible member having a series of interdigitating fastener elements attached thereto, which comprises impregnating fibrous material with a phenol formaldehyde condensation product in a workable state, shaping the interdigitating fastener members from the impregnated fibrous material, attaching the same to the flexible member, and converting the shaped phenol formaldehyde material to a hard and inert material after attachment to the flexible member.

2,273,733

SEAL FOR DOUBLE-WALLED GLASS UNITS

Ormond H. Paddock, Rossford, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application June 26, 1940, Serial No. 342,499
11 Claims. (Cl. 20—56.5)



1. A double-walled glass unit including two sheets of glass arranged in spaced substantially parallel relation and having arranged therebetween a layer of glass threads in contact with the adjacent sheet surfaces and associated with said sheets to provide a channel around the edges of the unit, and a plastic sealing material inserted within said channel and engaging the peripheral edges of the layer of glass threads, comprising a concentrated latex paste and a dehydrating powder mixed together in predetermined portions to provide a self-setting plastic compound of the desired consistency.

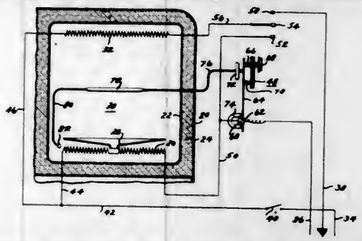
2,273,734

DOMESTIC APPLIANCE

George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application March 30, 1940, Serial No. 326,930
7 Claims. (Cl. 219—35)

3. In combination, an oven, heating means for said oven, and cyclically operable control means for rendering said heating means effective and ineffective in response to variations in temperature in said oven, said control means including a movable element and thermostatic actuating means therefor adapted to effect movement of said movable element and having two connected thermostatic bulb portions, one of said portions being so located that it is subject to the average temperature in the oven, and the other of said portions being located in good heat transfer relation to said heating means so as to be heated substantially above the average temperature in the oven when said heating means is rendered



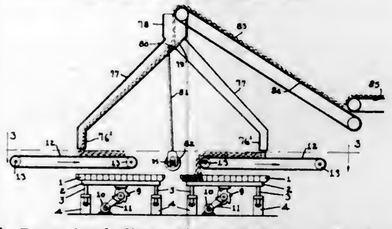
effective, whereby when said heating means is rendered effective said other portion will facilitate and hasten the subsequent actuation of said movable element by said one portion and thus a smaller differential of cycling will result than if both said portions were responsive to the average temperature in the oven.

2,273,735

MACHINE FOR FILLING FORMS WITH BISCUIT MATERIAL

Morris M. Raymer, Augusta, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware

Application May 15, 1939, Serial No. 273,638
12 Claims. (Cl. 226—94)



1. In a food-dispensing machine, a food-containing hopper, a conveyor carried on pulleys and adapted to receive food from said hopper, means for moving the conveyor and pulleys as a unit from a position directly over the first row of a plurality of trays to a position directly over the last row of trays, and means for rotating said pulleys to cause the conveyor to move in a direction opposite from the direction in which the conveyor-pulley unit moves, whereby food on the conveyor is maintained at a position over the trays such as to drop food progressively and evenly into the trays from the first to the last row thereof, the rate of said movements being substantially equal whereby the food remains stationary in space and in a position to drop substantially vertically downward from the conveyor into the trays as the conveyor-pulley unit moves over the trays.

2,273,736

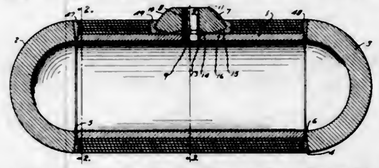
METHOD OF MAKING PRESSURE VESSELS AND THE LIKE

Gwynne Raymond, Merl D. Creech, and Ralph L. Feagles, Oklahoma City, Okla.

Application December 5, 1938, Serial No. 244,076
2 Claims. (Cl. 29—148.2)

1. The method of making a laminated vessel

capable of withstanding a high predetermined internal pressure including forming a tubular shell, applying a fitting to the shell, testing the tubular shell for leaks, winding a sheet metal ribbon into a plurality of convolutions about the shell one directly upon another with the surfaces of one convolution in frictional contact with



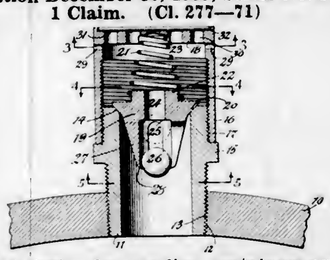
those of adjacent convolutions whereby said frictional contact maintains the convolutions from relative movement, forming openings in the respective convolutions at the time of winding to pass the fitting, applying differential tension in the respective convolutions at the time and place of said winding, and welding the convolutions to said shell.

2,273,737

VENT DEVICE FOR GASOLINE CONTAINERS AND THE LIKE

Mahlon C. Snyder, Blasdell, N. Y.

Application December 30, 1939, Serial No. 311,913
1 Claim. (Cl. 277—71)



A vent device for gasoline containers and the like comprising a tubular housing adapted to be connected at its inner end with a container and provided at its outer end with a vent opening and between its inner and outer ends with an outwardly facing intermediate safety valve seat, a single valve disk movable axially in said tubular housing and having a peripheral valve flange which is adapted to engage said intermediate valve seat upon moving said disk inwardly and also provided with a central port which is surrounded by an inwardly facing central check valve seat, a plurality of spaced guide arms arranged around said port and connected at their upper ends with said valve disk and forming passages between them and provided at their inner ends with stops, a ball valve arranged between the several guide arms and adapted to move outwardly into engagement with the inwardly facing valve seat surrounding said port and also adapted to move inwardly into engagement with said stops, and spring means interposed between said valve disk and the top of said housing.

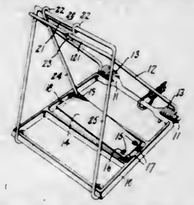
2,273,738

TRAP

Thomas H. Taylor, Lake Luzerne, N. Y., assignor to Henry G. Ketchum, Lake Luzerne, N. Y.

Application September 7, 1940, Serial No. 355,721
2 Claims. (Cl. 43—81)

1. In a trap of the swinging jaw type the combination of a swingable jaw, a base on which said jaw is pivoted and which constitutes a stationary jaw, a bail pivoted to said base opposite to the first pivot, a trigger generally rectangular in form and substantially centrally positioned and pivoted to said base, said trigger having at one corner thereof an upwardly extending part,



said pivoted jaw and bail in set position intersecting directly above the trigger, a trigger means suspended from the bail and engaging said upwardly extending part in set position, and a holding means to retain the trigger in set position.

2,273,739

SHAVING DEVICE AND CUTTER HEAD THEREFOR

Edmund J. Te Pas, Euclid, Ohio; Coletta A. Te Pas administratrix of said Edmund J. Te Pas, deceased

Application January 9, 1939, Serial No. 249,898
4 Claims. (Cl. 30—43)



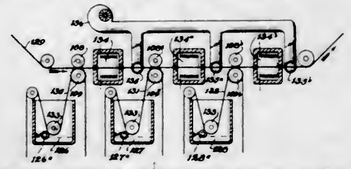
1. A corrugated face plate for a shaving device having a plurality of series of cutter bars adapted for simultaneous contact with the skin, said cutter bars being in the form of comb teeth with unsupported outer ends and projecting in the same general direction.

2,273,740

PRINTING PROCESS

Bennett F. Terry, New York, N. Y.

Application February 15, 1939, Serial No. 256,608
5 Claims. (Cl. 101—170)



1. That method of forming a series of natural colored transparencies from three photographic strip films having supplementary partial images photographically impressed thereon in sunken portions in correspondence respectively to the intensities of three predetermined colors to be selectively combined, which comprises developing

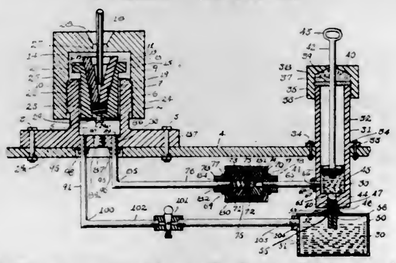
said films, treating said films chemically to bring said partial images into relief, applying transparent inks of said three predetermined colors separately to the sunken portions of said respective films, and continuously pressing said three films into registered contact with a moving substantially straight transparent strip at three spaced and aligned stations whereby said inks may be transferred from said sunken portions forming said partial images to the surface of said strip to form partial color images thereon, the spacing of said aligned stations and the registry of said films with said strip being adapted to bring said partial ink images of said three colors into mutually supplementary relation.

2,273,741

APPARATUS FOR ATTACHING FERRULES TO FISHING RODS

Arthur W. Wenger, Utica, N. Y.

Application January 22, 1940, Serial No. 315,134
3 Claims. (Cl. 144—2)



1. In a machine for reducing a fishing rod, a casing, a die member within said casing, said die member made in sectors forming a truncated cone, said sectors effecting an opening which is reduced in size to form a shoulder, springs located between said sectors for holding said sectors normally separated, a compressing member having a conical opening and disposed within said casing and cooperating with said die member, hydraulic pressure to force said compressing member against said die member and another spring in said compressing member and contacting said die member for forcing said wedge shaped member away from said die member when the pressure is released.

2,273,742

LAPEL FOR REVERSIBLE COATS AND THE LIKE

Charles Weinberg, New York, N. Y.

Application January 6, 1940, Serial No. 312,658
2 Claims. (Cl. 2—98)



1. In a garment, a lapel having a base layer continuing from the material of said garment and disposed on the outside face thereof, said base layer continuing into a top layer superimposed on said base layer, and said top layer continuing into a flange layer disposed along the inside face of said garment, means for holding said base layer in position on said garment, and means for holding said flange layer in position on the inside face of said garment to hold said top layer in position on said base layer, said first means, comprising a button on said garment engageable with a complementary buttonhole in said base layer.

2,273,743

COLLAPSIBLE DRESS FORM

Edward Weinstein, New York, N. Y.

Application May 14, 1940, Serial No. 335,075
6 Claims. (Cl. 223—68)



1. A collapsible dress form, comprising a form body having separate shoulder and side portions hingedly mounted at their bottom ends to the adjacent portions of the form body, a pair of slidably supported parallel racks extending in opposite directions and having their teeth opposed to each other and at their outer ends connected with said shoulder and side portions to move into fully extended or retracted positions, a rod turnably and longitudinally movably supported in said form body and extending between said racks and having its top end projecting from the top of said form body, means for urging said rod upwards into a raised position, a wide pinion mounted on said rod and meshing with said racks, and means for limiting turning of said pinion through a small amplitude and including rack teeth meshing with the top portion of said pinion in the raised position of said rod, whereby said rod may be moved down and then turned to fully extend or retract said shoulder and side portions.

2,273,744

COLLAPSIBLE DRESS FORM

Edward Weinstein, Bronx, N. Y.

Application November 25, 1940, Serial No. 367,016
9 Claims. (Cl. 223—68)



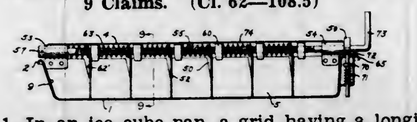
1. In a collapsible dress form, a form body having shoulder and side portions for moving outwards, keeper members movably mounted within said form body and between said shoulder portions, bolts mounted on said shoulder and side portions and cooperative with said keeper members for latching said shoulder and side portions inwardly, means for freeing said bolts from the keeper members, and bumpers for arresting the outward motion of said shoulder and side portions.

2,273,745

ICE CUBE RELEASE

Chancey B. Westra, Houston, Tex., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 21, 1937, Serial No. 149,295
9 Claims. (Cl. 62—108.5)



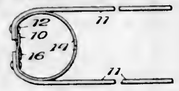
1. In an ice cube pan, a grid having a longitudinal division member of channel shape having recesses therein, transverse web members swingably supported in said recesses, each of said web members having a tongue portion extending downwardly into said channeled division member, a rod movably mounted within said division member and having shoulders thereon adapted to sequentially engage said tongue portions and swing the web members, and manually operable means extending into the channel of said division member for moving said rod to engage the web members.

2,273,746

LOOSE-LEAF BINDER

William Dabney White, Greensboro, N. C.

Application November 6, 1940, Serial No. 364,573
9 Claims. (Cl. 129—17)



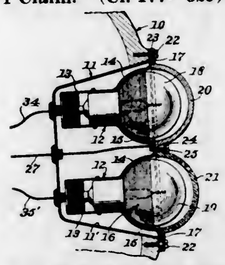
2. A loose-leaf book binder formed of two members, interlocking projections on said members, said interlocking members alone normally preventing lateral detachment of said members, and prong sections on the respective members movable into and out of engagement with each other to form leaf-embracing rings.

2,273,747

CODED AIRPLANE LIGHT

Charles Adler, Jr., Baltimore, Md., assignor to the People of the United States of America

Application September 6, 1941, Serial No. 409,876
1 Claim. (Cl. 177—329)



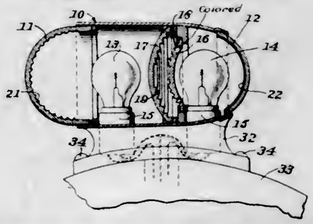
An airplane position signal comprising a plurality of light projecting devices disposed closely in vertically spaced relation within the end portion of an airplane, each light projecting device including light producing means, a reflector, and a cover glass, said cover glasses being differently colored from each other and distributing the light from said light producing means through an angle of at least substantially 140° horizontally and vertically.

2,273,748

AIRPLANE LIGHT

Charles Adler, Jr., Baltimore, Md., assignor to the People of the United States of America

Application August 7, 1941, Serial No. 405,867
3 Claims. (Cl. 177—329)



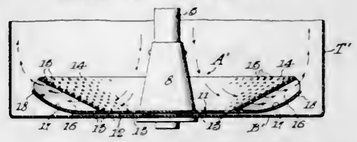
1. An airplane position signal comprising an elongated housing thereby offering a minimum of resistance to air flow, two light projecting devices disposed one behind the other longitudinally of the housing, said light projecting devices comprising light sources and the rearmost of said sources having associated therewith means for producing light rays of a color contrasting with rays produced by the other source, means for causing the colored rays from the said rearmost source to converge at the said other source, and cover glass means for distributing the light from said devices through an angle of at least 140° horizontally and vertically.

2,273,749

WASHING MACHINE

Roman B. Bukolt, Stevens Point, Wis.

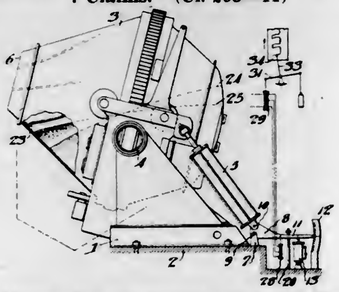
Application November 7, 1939, Serial No. 303,263
2 Claims. (Cl. 68—151)



1. In a clothes washing machine, a tub to contain wash water and clothes, a shallow bowl-like disk in said tub mounted for oscillation on a vertical axis, said disk being provided with a substantially flat central portion of circular outline, and also having a circular outwardly inclined peripheral portion of uniform inclination throughout its circumference to upwardly direct the wash water and clothes when they are moved radially, said inclined peripheral portion having perforations through which some of the radially moved wash water may flow, and horizontally elongated paddles secured to and projecting downwardly from said perforated inclined peripheral portion and extending radially substantially throughout the width thereof, whereby said paddles will centrifugally displace the wash water under said perforated inclined peripheral portion and thus cause water within the confines of said perforated inclined peripheral portion to flow radially through said perforations and press

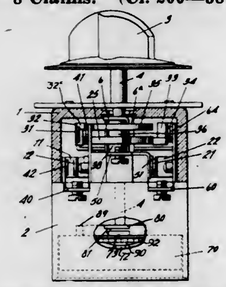
the clothes against said perforated inclined peripheral portion while this portion is directing water and clothes upwardly.

2,273,750
MEANS FOR DETERMINING THE CONSISTENCY OF CONCRETE MIXTURES
William Horace Clagett, Jr., Mason City, Wash.
Application November 9, 1938, Serial No. 239,712
7 Claims. (Cl. 265—11)



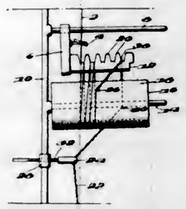
7. Means for determining the consistency of a concrete mixture during the mixing thereof comprising a mixer of the type in which the center of gravity of the materials being mixed is shifted by changes in consistency during the mixing operation, having portions yieldable under the shifting of materials due to changes in consistency and including means responsive to yielding of said portions for indicating the consistency of the materials while the mixing operation is being performed.

2,273,751
ELECTRIC SWITCH WITH TIME CONTROL MECHANISM
William F. Edwards, West Hartford, and Johannes R. Carlson, Hartford, Conn., assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application January 7, 1939, Serial No. 249,814
8 Claims. (Cl. 200—38)



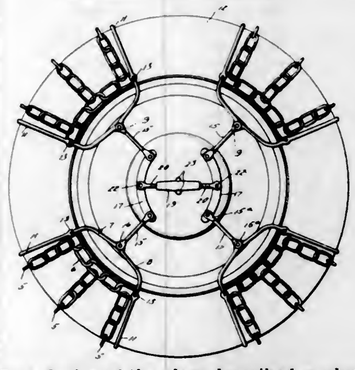
1. In a manually and automatically operable switch, a plurality of separable switch contacts connectible in at least two different closed-circuit positions and an open-circuit position, manually rotatable means movable in both clockwise and counterclockwise directions, rotary cam means for causing engagement and disengagement of said contacts at will into all of said positions, and a lost-motion connection between said manual means and said cam means, and means settable by rotation of said manual means for moving said contacts at the end of a selected time interval from one of said positions to another position with a snap action.

2,273,752
YARN ABRADING APPARATUS
Henry Frey, Kingston, Pa.
Application November 16, 1939, Serial No. 304,864
4 Claims. (Cl. 28—1)



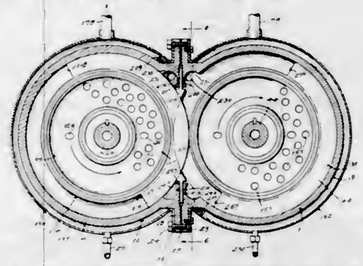
1. The combination of a rail, a pin outstanding therefrom and unsupported at its outer end, an abrasive roller loosely mounted thereon and removable therefrom, a comb in proximity to the roller, yarn wrapped around the roller and between the teeth of the comb a plurality of times first in an approximately straight direction and finally in a diagonal direction, whereby when the yarn is pulled from the roller the latter is turned by and at the speed of the traveling yarn which is abraded at the point where it leaves the roller.

2,273,753
ANTISKID DEVICE
Ralph L. Gelinas, East Stroudsburg, Pa.
Application April 25, 1941, Serial No. 390,389
3 Claims. (Cl. 152—231)



2. In a device of the class described, a plurality of tread chain units, each embodying a pair of side chains and cross chains connecting said side chains, a frame for each unit embodying a pair of integral frame members extending in divergent relation to one another, an integral lug and at points remote from said lug merging into substantially U-shaped hooks disposed in a plane at substantially right angles to said diverging frame members for straddling a vehicle wheel; each tread chain unit having one side chain thereof connected at its ends to the hook members at approximately the point of merger of said diverging frame members with said hook members, and a second side chain thereof connected at its respective opposite ends to the U-shaped hooks at the free ends of the latter; a turn buckle for connecting at least one pair of the frames and for drawing the frames into positive engagement with the tire, and links pivotally connecting the threaded shanks of the turn buckle with the lugs of the respective frames.

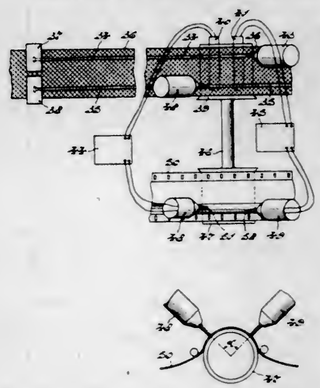
2,273,754
ROTARY INTERNAL COMBUSTION ENGINE
Howard H. Hand, Corpus Christi, Tex.
Application March 10, 1941, Serial No. 382,657
10 Claims. (Cl. 123—12)



1. A rotary internal combustion engine comprising a stationary housing having a pair of sidewise abutting and communicating cylinders, a pair of shafts journalled one in each cylinder, a rotor fixed to each shaft, each rotor including a substantially semi-cylindrical reduced diameter part and a substantially semi-cylindrical enlarged diameter part constituting a rotary abutment, the reduced part of one rotor substantially contacting with the enlarged part of the other rotor, inner and outer sealing rings carried by each of said rotors on the opposite faces thereof, each rotor having an annular cooling chamber in the opposite faces thereof and connecting passages between said chambers, each shaft having an axial fluid passage therein and radial passages communicating with a peripheral groove and each rotor also having fluid passages communicating said cooling chambers with said groove, a water jacket about each cylinder, means connecting said jacket with one of said cooling chambers, means discharging water into said axial passages, said housing having a pair of intake ports adjacent the abutting portions of said cylinders and also having a pair of exhaust ports spaced from said intake ports, a pair of opposed wedge-shaped sealing members, and means for adjusting said sealing members whereby the opposite sides thereof will substantially contact with the peripheral surfaces of said enlarged rotor parts.

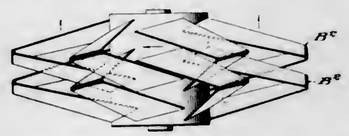
7. In a rotary internal combustion engine, a pair of stationary power cylinders disposed in inner sidewise abutting relation and opening into each other from their inner sides, each of said cylinders having an intake and an outlet disposed respectively in proximity to the upper and lower ends of its inner side, a pair of stationary compression cylinders arranged in inner sidewise abutting relation and opening into each other from their inner sides, each of said compression cylinders having an intake and an outlet respectively disposed in proximity to the upper and lower ends of its inner side, each of said compression cylinders arranged rearwardly of, spaced from and having its axis aligned with the axis of a power cylinder, a pair of geared together shafts each journaled in a power and a compression cylinder, a pair of power rotors fixed to said shafts and disposed in said power cylinders, a pair of compression rotors fixed to said shafts and arranged in said compression cylinders, the rotors of each pair having oppositely disposed portions for overlapping at the inner sides of their correlated cylinders, a pair of upstanding connecting tubes each arranged between a power and a compression cylinder and leading from the outlet of the latter to the intake of the former, each of said tubes constituting a combustion chamber, a spark plug connected to each tube, intermediate the ends of the latter, and means for securing the cylinders of a pair together in abutting relation.

2,273,755
METHOD OF PRODUCING SOUND RECORDS
Jan Jesayas Hardenberg, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford Conn., as trustee
Application January 8, 1940, Serial No. 312,977
In Germany January 20, 1939
3 Claims. (Cl. 179—100.3)



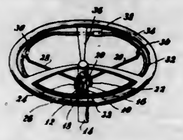
1. A device for copying on a carrier a plurality of sound tracks displaced longitudinally on a second carrier comprising, a copying sprocket drum adapted to receive said carriers, and a plurality of sound copying devices spaced apart around said roller and spaced apart laterally thereof.

2,273,756
FAN
Friedrich Honerkamp, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application October 18, 1939, Serial No. 300,073
13 Claims. (Cl. 170—171)



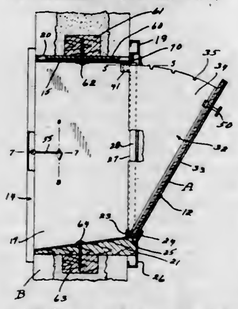
1. A fan comprising a hub and a first series of pairs of blades extending outwardly from said hub, the blades of each pair converging toward and being joined together at their outer ends, said blades being disposed diagonally relative to the plane of rotation of the fan, the inner ends of the blades of each pair being spaced apart both forwardly and rearwardly and annularly relative to said hub, and a second series of pairs of blades duplicating said first series, the forward blades of the rear series being disposed rearwardly of the forward blades and forwardly of the rear blades of the forward series, and the rear blades of the forward series being disposed forwardly of the rear blades and rearwardly of the forward blades of the rear series.

2,273,757
SWITCH UNIT FOR AUTOMOBILE HORNS
Victor Kotliarevsky, Charata ,Chaco, Argentina
Application July 31, 1941, Serial No. 404,942
In Argentina October 31, 1940
4 Claims. (Cl. 200—59)



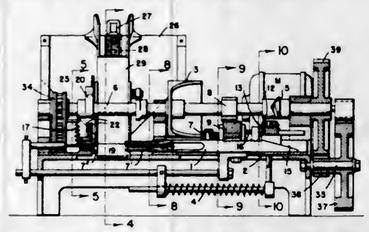
1. A switch unit for actuating electrically operated horns and the like signalling devices and adapted to be detachably mounted to the steering column of mechanically propelled vehicles, said steering column bearing a steering wheel including a rim, said unit comprising a switch device including a hollow body portion having clamping means for detachably mounting the device to said steering column, and having rockably mounted on one end thereof a hollow contact bearing member on the end of which remote from said body portion there is secured a contact ring electrically insulated from said contact bearing member, a fixed contact member electrically connected with said body portion and including the contact surface, said contact member being rigidly supported with said contact surface in parallel spaced relationship with the side of said contact ring remote from said contact bearing portion, plug means in the other end of said body portion to close the same, and resilient balancing means operatively connected between said contact bearing portion and said body portion normally to maintain said contact bearing portion in balanced off position, while permitting rocking of said contact bearing portion with respect to said body portion to bring said contact ring into electrical engagement with the contact surface of said contact member, said contact bearing portion having extending therefrom outwardly a plurality of arms terminating at their ends remote from the contact bearing portion in an operating member defining a closed figure and including a pair of opposed ends normally connected together by a separable coupling, said operating member being adapted, when the switch unit is mounted on said steering column, to lie in parallel and closely spaced relationship to said rim.

2,273,758
WINDOW AND WALL VENTILATOR
Otto Kubatzky, St. Louis, Mo.
Application July 25, 1938, Serial No. 221,189
4 Claims. (Cl. 98—37)



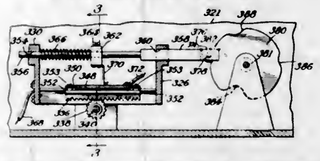
1. In a ventilator, a frame including an end wall having a stop shoulder and a sealing tongue at its forward edge, a one piece end shield rockably supported in the frame having a flange along its outer edge engageable with the stop shoulder for limiting opening swinging of the end shield and a channel along its inner edge for receiving the sealing tongue when the end shield is in a closed position, a lug on the frame and forming a guide for one side of the end shield, and a bendable lug on the outer edge of the end shield engageable with the lug on the frame for retaining the flange in operative relation to the stop shoulder.

2,273,759
NUT CRACKING MACHINE
Leon K. Maulsby, San Antonio, Tex.
Application November 19, 1940, Serial No. 366,311
15 Claims. (Cl. 146—12)



1. In a machine of the character described, the combination of a carriage and slide movable independently of each other, a locking mechanism which includes teeth on the slide and a toothed pawl movably mounted on the carriage, a main drive-shaft having means thereon for directly engaging the pawl at timed intervals to cause the teeth to engage each other and lock the slide and carriage together, a cam on the main shaft, a roller on the slide in position to be engaged by the rim of the last-named cam for retracting the slide, and a spring normally under compression extending from the carriage to the slide, which spring tends to move the carriage and slide in opposite directions.

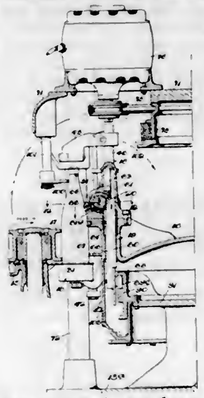
2,273,760
AUTOMATIC VOLUME CONTROL
Curtis O. Nelson, Belleville, Ill.
Original application October 28, 1938, Serial No. 237,563, now Patent No. 2,197,312, dated April 16, 1940. Divided and this application August 28, 1939, Serial No. 292,329
1 Claim. (Cl. 201—48)



In a radio receiver circuit, a volume control comprising a panel having an opening, a support having a threaded shank extending through said opening and having a bore, means acting on said shank and said panel for fixedly securing the support to the panel, said support having spaced bars, a rack member slidably guided by said bars and having a resistor secured thereto to be carried thereby but insulated therefrom, a pinion meshing with said rack member, a rotative shaft fixed to said pinion and extending through said

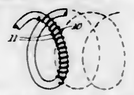
bore and journaled in said bars, a second shaft axially slidably supported by said support, a circuit wire connected to said support with the latter electrically connected with said second shaft, a second wire connected with one end of said resistor, a wiper contact carried by said second shaft and engaging said resistor, a rotary cam engaging said second shaft for moving the latter to shift said wiper contact along said resistor, and a spring supported at one end on said support and having its other end connected with said second shaft for yieldingly urging the latter into engagement with said rotary cam.

2,273,761
MIXING APPARATUS
George W. Newton and Paul R. Powell, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application September 23, 1940, Serial No. 357,974
15 Claims. (Cl. 259—54)



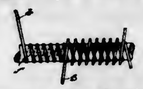
1. In a mixing apparatus, a base, a rotary table, a plurality of members carried by and vertically reciprocable with respect to said table, cam means on said base to reciprocate said members, container supporting elements journalled upon said table for rotation with respect thereto, and a flexible strap connection between each of said members and said container supporting elements so that the supporting elements will be rotated in a vertical plane upon vertical movement of said members.

2,273,762
INCANDESCIBLE CATHODE
Engbert Harmen Reerink and Paul Christiaan van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 15, 1935, Serial No. 16,486
In Germany April 17, 1934
2 Claims. (Cl. 250—27.5)



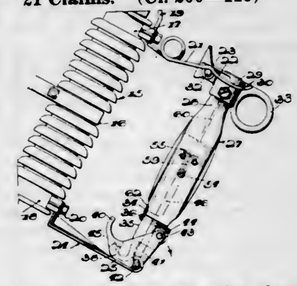
1. An incandescible cathode comprising a metal core wire, a hollow helix of thin metal wire, said helix being helically wound on said core wire and in contacting relationship therewith, and a highly electron-emissive substance carried by said helically-wound helix and extending into the hollow thereof.

2,273,763
INCANDESCIBLE CATHODE
Engbert Harmen Reerink and Paul Christiaan van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Original application April 15, 1935, Serial No. 16,486. Divided and this application December 17, 1940, Serial No. 370,538. In Germany April 17, 1934
5 Claims. (Cl. 250—27.5)



2. An incandescible cathode structure comprising a metal core-wire, a plurality of helically wound thin wires forming superimposed spaced layers around said core-wire, adjacent layers of said thin wires being wound in opposite directions, and a highly electron-emissive substance carried by said structure and at least partly filling the space between said layers.

2,273,764
ELECTRICAL SWITCH
Avery L. Salter, Johnston, S. C.
Application July 15, 1940, Serial No. 345,622
21 Claims. (Cl. 200—116)



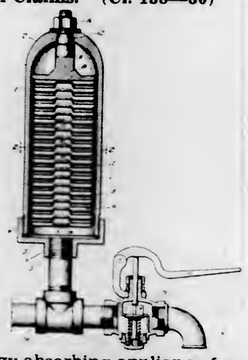
1. In a switch of the character described, a body portion, a contact element mounted upon the body portion, a resilient contact to engage the contact element and exert a downward force thereon longitudinally of the body portion, a support, a member pivotally mounted upon the support and pivotally connected with the body portion, a releasable latch device to hold the body portion for turning upon its pivotal connection with the member, means to normally hold the latch device against releasing action and to release the latching device for releasing action upon a short circuit or overload, said means including a bimetal thermostatic element adapted to move when heated without fusing, and means for permanently electrically connecting one end of the thermostatic element with the contact element and permanently electrically connecting the other end of said thermostatic element with the member so that the current passes through the thermostatic element to heat the same and cause its movement.

2,273,765
WATER - SOLUBLE COMPLEX GOLD - PEPTONE - SACCHARIDE COMPOUNDS AND THEIR MANUFACTURE
Alois Schwarzmann, Basel, Switzerland
No Drawing. Application May 10, 1940, Serial No. 334,467. In Switzerland May 20, 1939
8 Claims. (Cl. 260—211)

1. A process for the manufacture of water-

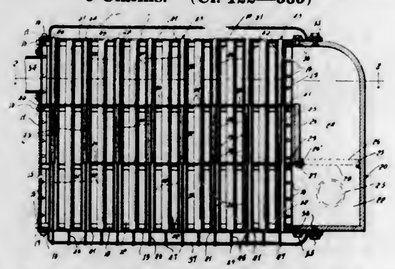
soluble gold-peptone-saccharide-complexes, comprising causing a gold salt to act upon a peptone and a water-soluble member of the group consisting of mono-, di-, tri- and polysaccharides in aqueous weakly acid solution as long as metallic gold is separated out and removing the metal.

2,273,766
WATER HAMMER ARRESTER
Edwin B. H. Tower, Jr., Milwaukee, Wis.
Application August 4, 1940, Serial No. 351,412
4 Claims. (Cl. 138—30)



1. An energy absorbing appliance for suppressing water hammer or similar purposes, comprising in combination, a casing enclosing a cylindrical chamber and having an inlet to admit pressure fluid subject to impulses in pressure, a plicated metallic bellows arranged within said casing to partition said chamber into an expansion compartment to receive said pressure fluid and a sealed compression compartment to contain a compressible fluid to absorb energy from said pressure fluid and said bellows having its plaits forming annular pistons fitting close to the walls of said chamber to guide said bellows upon deflection thereof and form constricted passages between said plaits and said walls of an order to throttle displacement of fluid from the external pockets between said pistons to absorb energy from said pressure fluid, upon deflection of said bellows by said impulses in pressure, and a compressible fluid confined within said sealed compression compartment to absorb energy from said pressure fluid upon its impulses in pressure to limit the amplitude of its fluctuations in pressure.

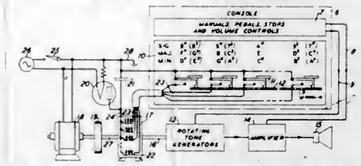
2,273,767
STEAM GENERATOR
Eugene V. Upton, Springfield, Mo.
Application October 10, 1940, Serial No. 360,643
9 Claims. (Cl. 122—333)



1. A steam generator comprising a water pan, a steam chest disposed above the water pan, a plurality of tubes connecting the water pan and steam chest, means for conveying heated gases around said tubes for heating water contained therein, and means disposed within the tubes for varying the amount of water contained in different sections of the tubes and for retaining the water adjacent the walls of the tubes, said last mentioned means comprising spindles disposed in said tubes and including portions of different diameters for forming annular chambers of varying thicknesses, decreasing progressively toward the steam chest.

4. A steam generator comprising a casing having a water pan at the bottom thereof and a steam chest at the top thereof, a plurality of perpendicular tubes disposed in spaced apart relationship relatively to one another and connecting said water pan and steam chest, a fire box at one end of said casing, said casing being provided with horizontal baffles for directing heated gases back and forth through the casing from the bottom to the top thereof for heating corresponding portions of said tubes, an outlet for said gases in an end of said casing and adjacent to the upper portions of said tubes, and a valve associated with the fire box for directing the heated gases directly to the upper part of the casing for heating the upper portions of the tubes, when the valve is in an open position.

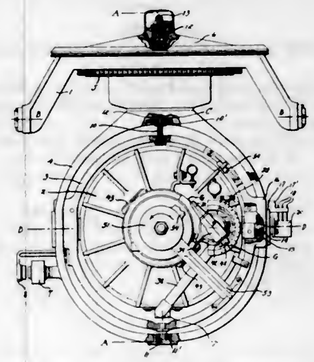
2,273,768
MUSICAL INSTRUMENT
Sidney T. Fisher, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1940, Serial No. 361,220
8 Claims. (Cl. 84—1.11)



1. In a transposing electrical musical instrument for transposing music to sound in keys other than that in which it is written, a system of rotating tone generators, means for driving said system, speed control means including clutches interposed between said system and said driving means for quickly and accurately changing the speed of said system throughout a plurality of predetermined fixed ratios and a separate control for each key to be selected adapted to operate the clutches to substantially instantaneously change said speed control means from one speed ratio to another.

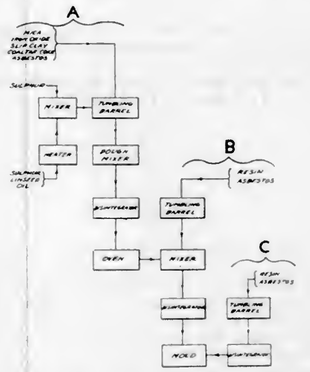
2,273,769
GYROSCOPE
William George Harding, Whitton, and Robert Hayes Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a company of New York
Application October 18, 1938, Serial No. 235,546
In Great Britain October 27, 1937
10 Claims. (Cl. 33—226)

1. In a directional or free gyroscope having a normally horizontal spin axis and a horizontal pivotal axis at right angles to said spin axis, means for compensating for the earth's rotation comprising means for applying to the gyroscope a force to one side of said second axis which has the same magnitude in all latitudes and means for angularly adjusting the line of action of said



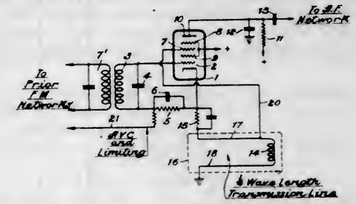
force about an axis parallel to and in the same horizontal plane as said spin axis so that the angle of elevation of said means from the horizontal equals the latitude.

2,273,770
PROCESS OF MAKING BRAKE LINING
William Nanfeldt, Clifton, N. J., assignor to World Bestos Corp., Paterson, N. J., a corporation of New Jersey
Application August 16, 1938, Serial No. 225,158
5 Claims. (Cl. 18—47.5)



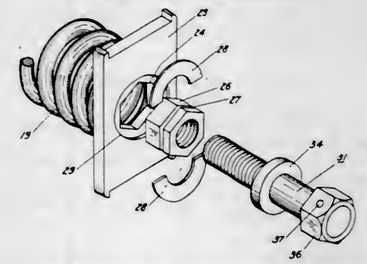
1. The process of making a heterogeneous particle molded brake lining which consists in mixing together sulphurized linseed oil and sulphur with a mixture of mica, iron oxide, clay, coke and asbestos to form a second mixture, mechanically disintegrating said second mixture, baking the second mixture to effect an incomplete absorption of the sulphur by the oil, mixing the second mixture with a third mixture of cresol-formaldehyde resin and asbestos to form a fourth mixture, mixing asbestos and a proportion of resin greater than in the third mixture to form a base mixture, and molding the fourth mixture into a slab on a layer of base material with heat and pressure to effect an incomplete cure, forming the slab to size, and finally curing the slab.

2,273,771
FREQUENCY MODULATED CARRIER DETECTOR
Seymour Hunt, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 10, 1941, Serial No. 387,829
9 Claims. (Cl. 250—27)



1. In an angular velocity modulated carrier wave detection network, a tube provided with at least a cathode, an output electrode and a pair of spaced control grids in the electron stream between the cathode and output electrode, a modulated carrier input circuit connected between one control grid and the cathode, an output load element across which is developed modulation voltage connected to the output electrode, a phase shifting network connected in the space current path of said tube between said cathode and a point of relatively fixed alternating potential, said shifting network developing modulated carrier voltage which is in phase quadrature with the voltage at said input circuit, and means for applying said quadrature voltage to the second control grid of said tube.

2,273,772
CRUSHER
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application April 2, 1940, Serial No. 327,379
4 Claims. (Cl. 83—12)



1. In a rock crushing device, an overload release means including an adjusting screw, a shear nut threadedly received on the adjusting screw, a shear plate having an opening therein for slidably receiving the shear nut, and a replaceable plate-like shearable member adapted to be received between the shear nut and the shear plate.

2,273,773
SLIDE FASTENER
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application July 29, 1940, Serial No. 348,116
5 Claims. (Cl. 24—205.5)

5. A slider fastener comprising a pair of tapes, rows of fastener members attached to the ad-

jacent edges of the tapes, a slider mounted on the rows of fastener members for engaging and disengaging them, the tapes projecting beyond the rows of fastener members at the bottom end of the fastener, and a separable end connection comprising a socket member attached to one of the projecting tape ends adjacent the row of fastener members on that tape, a pin member secured to the projecting tape end of the other stringer adapted to be threaded into engagement with the socket member, said slider having a



locking device including a locking detent movable inwardly and outwardly relative to the fastener members, said socket member having a box-shaped portion against which the slider abuts when the fastener is open and a tubular extension between the box-shaped member and the fastener members over which the slider is moved when the fastener is open, said tubular extension having a recess into which said locking detent may engage to hold the slider in position against the box-shaped member while the pin member is disconnected therefrom.

2,273,774

MANUFACTURE OF MONOPERPHTHALIC ACID

Joseph S. Reichert and Arthur A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 8, 1940, Serial No. 360,341

7 Claims. (Cl. 260—502)

1. A process for preparing monoperphthalic acid which comprises reacting phthalic anhydride and a solution of hydrogen peroxide having a concentration within the range 90–140 volumes, said reaction being carried out at a temperature not exceeding 73° C.

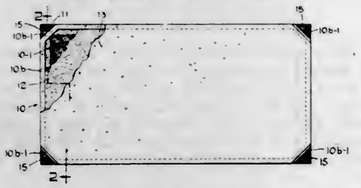
2,273,775

CEMENTITIOUS STRUCTURAL UNIT

William E. S. Strong, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application October 31, 1939, Serial No. 302,085

3 Claims. (Cl. 72—36)



1. A structural unit of slab formation having substantially straight bounding edge faces and angular corners and comprising a slab portion proper, and frame elements defining said angular corners and secured to said slab portion proper, the corners of said slab portion proper being clipped substantially diagonally to form substantially triangular corner recesses between said slab portion proper and said frame elements, said triangular corner recesses opening into a major face of said structural unit and providing means for joining said structural unit to other structure.

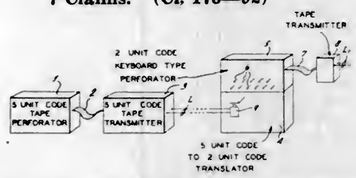
2,273,776

CODE TRANSLATING MACHINE AND MECHANISM

Frank Zurek, Roslyn Heights, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware

Application July 3, 1940, Serial No. 343,736

7 Claims. (Cl. 178—92)



1. A machine for automatically translating a five-unit telegraph code into a two-unit code comprising a main timing shaft, a cam barrel driven by said shaft, a set of code bars, shiftable means between said barrel and said bars for operating said bars conjointly by received five-unit code impulses and by said cams, a plurality of perforator control bars mounted in intersecting relation with said code bars, a main bail normally holding said control bars out of engagement with said code bars, and a cam controlled by said shaft for moving said bail whereby said control bars engage said code bars.

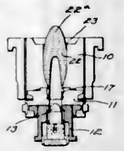
2,273,777

METHOD OF FORMING BLOWN GLASS ARTICLES

Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application December 28, 1938, Serial No. 248,082

9 Claims. (Cl. 49—80)



9. In a method of forming a blown article of hollow glassware, the steps of delivering a separated charge of glass to a fixed inverted parison body mold and a neck mold having in combination a cavity therein exceeding in size the charge by not over 15%, forming a parison in said cavity by blowing the charge downwardly to settle it in the neck mold about a neck pin therein and to force the glass of the charge into intimate contact with the parison body mold wall, closing the upper end of the inverted body mold by a baffle having a cavity at its bottom having a peripheral wall in register with and constituting an upward continuation of the peripheral wall of the adjacent end of the cavity of the inverted body mold, counterblowing the charge upwardly against the wall of the cavity of the baffle, removing the baffle, applying low pressure air to the interior of the parison to expand it upwardly beyond the closed parison body mold wall to break the contact of glass of said parison with said body mold wall at the upper end of the latter, thereafter transferring said parison to an upright blow mold located at a fixed station, and blowing said parison to final form in said upright blow mold.

2,273,778

METHOD OF INCREASING THE DURABILITY OF GLASSWARE

Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

No Drawing. Original application March 17, 1939, Serial No. 262,415. Divided and this application March 27, 1939, Serial No. 264,479

3 Claims. (Cl. 49—79)

1. The method of increasing chemical durability of an article of glassware, which comprises the steps of introducing steam into said article and thereafter circulating a scavenging fluid through the article to remove steam and all residual moisture from the interior thereof.

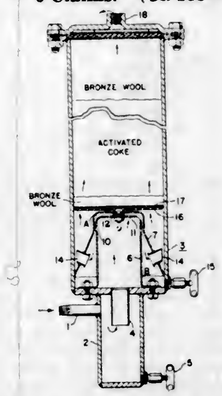
2,273,779

AIR SEPARATOR AND FILTER

Paul S. Dickey, Shaker Heights, and Clarence Johnson, Cleveland Heights, Ohio, assignors to Bailey Meter Company, a corporation of Delaware

Application January 3, 1940, Serial No. 312,212

6 Claims. (Cl. 183—75)



6. An air cleaning device for removing oil from compressed air, comprising a pair of elements having plane, parallel portions spaced apart a relatively small distance to form a thin passageway therebetween, an orifice near the center of one of said plane portions for admitting air to said passageway for flow radially outward between said plane portions to gradually decrease the velocity of said air when passing between said plane portions, said plane portions being so spaced that the air in passing through said orifice has attained its maximum velocity at the time of impingement.

2,273,780

WAX ACRYLATE ESTER BLENDS

Harry R. Dittmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1939, Serial No. 311,937

20 Claims. (Cl. 260—28)

1. A process which comprises heating and thoroughly mixing per 100 parts by weight of the mixture at least 25 parts by weight of a saturated, hydroxy fatty acid ester containing at least twelve carbon atoms with at least 20 parts by weight of a polymeric compound of the group consisting of the acrylic and methacrylic acid esters of the aliphatic alcohols containing more than 2 carbon atoms.

2,273,781

MEANS FOR TRANSMITTING HEAT AND POWER

Carroll A. Hochwalt, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 8, 1938, Serial No. 184,023

15 Claims. (Cl. 252—75)

1. A fluid medium for transmitting energy comprising water and from 20 to 50% by weight of a water-soluble phosphate mixture comprising potassium monoethyl phosphate and potassium diethyl phosphate, said mixture being dissolved in said water in sufficient amounts to depress substantially the freezing point of water and said medium having a pH between about 7 and 8.5.

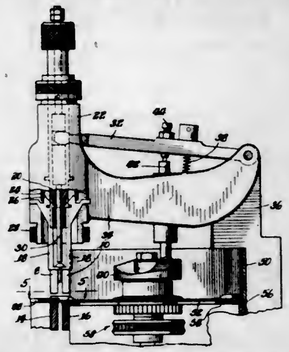
2,273,782

WASHER FEEDING DEVICE

Charles J. Irwin, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application October 3, 1940, Serial No. 359,542

15 Claims. (Cl. 10—169)



1. Washer feeding means comprising a shiftable feed plate receiving on its surface a supply of washers to be fed and having outwardly opening edge recesses receiving washers from the surface of the plate, washer directing lugs upstanding from the surface of said plate between said recesses and each having a portion thereof projecting over an adjacent recess to hold a washer in the recess.

2,273,783

WASHER FEEDING DEVICE

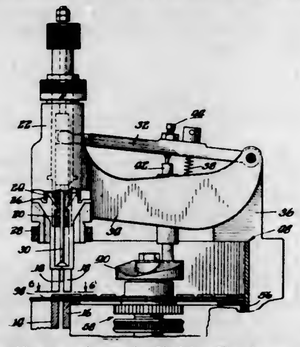
Charles J. Irwin, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application October 3, 1940, Serial No. 359,543

18 Claims. (Cl. 10—169)

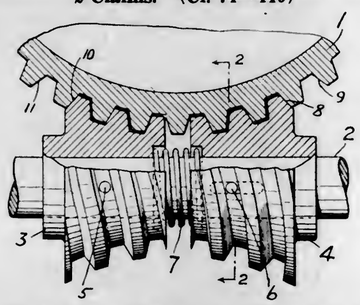
1. Washer feeding means comprising a shiftable feed plate receiving on its surface a mass of washers, a member overlying a portion of said plate and shiftable with said plate, spaced other members shiftable with said plate and positioned

between said plate and overlying member to form with said plate and member spaced pockets, said pockets opening inwardly to receive washers from the mass and outwardly to dis-



charge the washers individually from the plate, and means for shifting said plate, said overlying member and said other members to carry the washers in the pockets successively to a discharge point.

2,273,784
WORM GEARING
John O. Kahl, Philadelphia, Pa., assignor to Acme Gear & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 17, 1940, Serial No. 361,489
2 Claims. (Cl. 74—440)



1. In worm gearing a reversible worm shaft, a worm wheel, and a worm comprising two conical sections spaced apart disconnected in respect to each other and each independently and directly attached to the shaft for rotation therewith and whereof one section is additionally and normally movable endwise of the shaft, and a spring urging the movable section to slide in respect to the other section, whereby the thread on one section of the worm bears on one face of the teeth on the wheel and the thread on the opposite section of the worm bears on the opposite face of the teeth on the wheel.

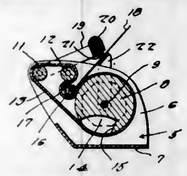
2,273,785
ORGANIC ACIDS FROM KETONES
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 12, 1939, Serial No. 289,830
14 Claims. (Cl. 260—540)

1. In a liquid phase process for the preparation of aliphatic organic acids, the step which comprises heating in the liquid phase an aliphatic ketone and water with carbon monoxide at a temperature below 350° C. and at a pressure of at least 10 atmospheres in the presence of a liquid catalyst comprising boron fluoride and water.

2,273,786
PREPARATION OF ACIDS AND ACETALS FROM ESTERS AND ALDEHYDES
Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 12, 1939, Serial No. 308,823
15 Claims. (Cl. 260—338)

1. A process which comprises reacting an organic ester of an organic acid, which forms a stable acid when the alkoxy group of the ester has been replaced by a hydroxyl group, with an aldehyde and water, and thereby obtaining the corresponding acid and acetal.

2,273,787
CIGARETTE ROLLING MACHINE
Clarence W. Phillips, Akron, Ohio
Application July 30, 1940, Serial No. 348,494
1 Claim. (Cl. 131—37)

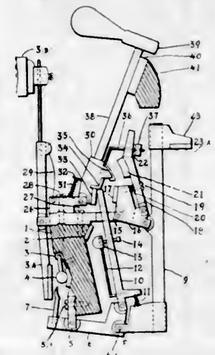


A moistening attachment for a cigarette making machine including a forming roller, said attachment comprising a U-shaped member having its ends pivoted to the machine and with its bight portion disposed parallel to the roller, an absorbent pad carried by the bight portion of the member, and a second U-shaped member having its ends pivoted to the machine and provided with a flat bight portion to form a bed for a cigarette portion, said members being constructed and arranged for swinging toward each other into upstanding converging relation to oppose the pad and bed above the forming roller in gripping relation to a cigarette paper disposed on said bed and with the bed sloping downwardly toward said roller.

2,273,788
ALKYL UREA-FORMALDEHYDE RESIN
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application January 30, 1940, Serial No. 316,315
14 Claims. (Cl. 260—69)

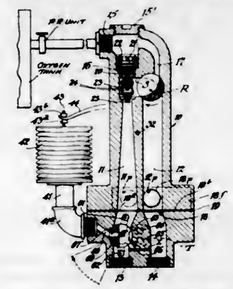
1. A condensation product formed by the condensation reaction with formaldehyde of a mixture of an unsubstituted urea and a urea substituted by an alkyl radical containing at least four carbon atoms, said unsubstituted urea being present in the condensation reaction in an amount sufficient to permit the final product to be hardened by the application of heat, and said higher alkyl substituted urea being present in the condensation reaction in an amount sufficient to enable the final product to be dissolved in organic solvents.

2,273,789
UPRIGHT PIANO ACTION
Auxance N. Prevost, Deep River, Conn.
Application August 3, 1939, Serial No. 288,065
17 Claims. (Cl. 84—240)



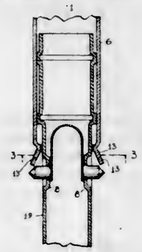
1. In a piano, an action rail and an action comprising a wippen, a hammer, a fly connecting the wippen and hammer, and an abstract movable to operate said wippen, the said elements of the action being interconnected for support in substantially operative relationship solely by the action rail.

2,273,790
MECHANICAL RESUSCITATOR FOR COMBATING ASPHYXIA
Horace H. Raymond, Berlin, Conn., assignor to William H. Stephenson, New York, N. Y.
Application April 26, 1939, Serial No. 270,216
13 Claims. (Cl. 128—30)



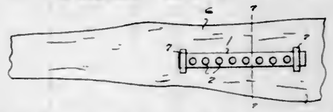
1. A resuscitation device comprising an inhalation passage adapted to be connected intermediate a source of oxygen supply and a patient's lungs, an exhaust passage, adapted to be connected to the patient's lungs and an intermediate portion of the inlet passage, valve means positioned below the point of intercommunication between said passages for simultaneously opening one of said passages and closing the other, a pressure responsive member, a conduit leading from said inhalation passage below the said reciprocable valve to the said member, said reciprocable valve having a plurality of spaced contact members, a pivoted arm adapted to engage one of said contacts when it is travelling in one direction and the other contact when it is travelling in the other direction, means connected between said pressure responsive member and said pivoted arm for actuating said arm, and means positioned adjacent respective ends of the path of said pivoted arm adapted to engage said arm and hold it until a predetermined opposing pressure is exerted on the arm.

2,273,791
TRIPOD LEG
Josef Wirgin, New York, N. Y.
Application August 6, 1940, Serial No. 351,590
2 Claims. (Cl. 248—191)



2. A telescopic tripod leg comprising, in combination, an upper tubular section, at least one lower tubular section, both of said sections having a circular cross section for the greatest part of their length and being rotatable relative to each other, at least one locking pin, yielding means adapted to urge said pin outwardly through an having said opening and pin extending through opening in the wall of said lower section to a position for positively securing said sections in extended condition by abutment of said pin against the end portion of said upper section, and an inwardly embossed socket, in said lower section, its bottom for preventing accidental dislodging of the pin beyond its operative position.

2,273,792
SURGICAL CAST
Marion G. Brown, Tacoma, Wash.
Application June 21, 1941, Serial No. 399,203
4 Claims. (Cl. 128—91)



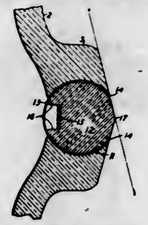
1. A surgical cast comprising superposed layers of flexible material forming a tubular wall structure, said wall being provided with longitudinally extending rows of ventilating apertures therein, strips of tearable material in said cast extending over the inner ends of the apertures of said rows, respectively, and a plurality of plugs of resilient material attached to said strips and fitted in said apertures for removal outwardly of the cast by tearing the same loose from said strips

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2,273,793
CATHODE RAY TUBE
Sture O. Ekstrand, Bergenfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1940, Serial No. 328,819
19 Claims. (Cl. 250—164)

1. A cathode ray device which comprises a vessel having a non-conductive boundary wall, means within said vessel for projecting a cathode beam, and a current window element sealed into said wall in position to be impinged by said beam,

said window element comprising a plurality of discrete open loops of conductive material arranged parallel to and insulated from each other, a part of the body of each loop intermediate its



tips being exposed to the interior of the vessel and at least one tip of each loop being exposed to the exterior of the vessel in position to make contact with a record element in the air outside of said vessel.

2,273,794

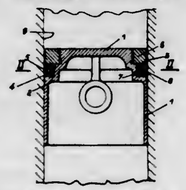
PISTON PACKING

Lucien Harel, Barcelona, Spain

Application May 9, 1938, Serial No. 206,933

In Germany May 18, 1937

7 Claims. (Cl. 309—7)



5. A packing arrangement for the piston of a cylinder wherein the piston is provided with a circumferentially extending groove comprising, a continuous laterally rigid piston ring of slightly smaller lateral width than said groove arranged in said groove for free radial displacement therein, said ring having a circumferentially extending recess therein facing the cylinder, a split elastic piston ring of smaller cross-section than said recess mounted in said recess for free radial displacement therein, and yieldable means interposed radially between the two rings pressing the continuous ring radially outwardly with respect to the piston and with respect to the elastic ring against the cylinder at points adjacent the split of the elastic piston ring and urging the split ring radially outward with respect to the continuous piston ring and radially outward with respect to the piston into engagement with the cylinder at points diametrically opposite the split of the elastic piston ring.

2,273,795

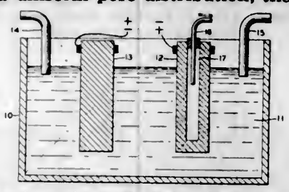
ELECTROLYTIC PROCESS

George W. Heise, Rocky River, and Erwin A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Application December 31, 1936, Serial No. 118,472

13 Claims. (Cl. 204—98)

1. An electrolytic cell comprising a container; an aqueous electrolyte within the container; a porous carbon electrode and a second electrode, both of said electrodes being in contact with said electrolyte; a source of electric current connected to said electrodes; and a conduit for fluid connected to said carbon electrode; said carbon electrode being uniformly porous and comprising solid carbon particles in a porous carbon binder having a uniform pore distribution, the porosity



of said carbon electrode being between 40% and 70% and the air permeability thereof being above 30.

2,273,796

METHOD OF ELECTROLYTIC PREPARATION OF NITROGEN COMPOUNDS

George W. Heise, Rocky River, and Erwin A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Original application December 31, 1936, Serial No. 118,472. Divided and this application December 17, 1938, Serial No. 246,278

5 Claims. (Cl. 204—74)

3. Process of reducing nitrobenzene to p-aminophenol which comprises passing an electric current through an electrolyte between an anode and a porous cathode having a porosity between 40% and 70% and an air permeability above 30 and comprising comminuted solid carbonaceous material embedded in a porous carbonaceous binder having uniformly distributed pores; and passing nitrobenzene through said cathode into said electrolyte.

5. Process of electrolyzing halide brine which comprises passing the brine into an electrolytic cell containing an anode and a porous cathode, the cathode having a porosity between 40% and 70% and an air permeability above 30 and comprising solid comminuted carbonaceous material embedded in a porous carbonaceous binder having uniformly distributed pores; passing an electric current through the anode, cathode, and electrolyte; and passing into the cell through the porous cathode a material selected from the group consisting of nitric acid and higher oxides of nitrogen.

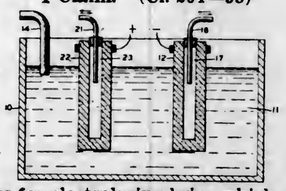
2,273,797

ELECTROLYZING BRINES

George W. Heise, Rocky River, and Erwin A. Schumacher, Lakewood, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Original application December 31, 1936, Serial No. 118,472. Divided and this application December 17, 1938, Serial No. 246,279

1 Claim. (Cl. 204—98)



Process for electrolyzing brine which comprises passing the brine through a porous anode into an electrolytic cell containing said anode and a porous cathode and means for withdrawing catholyte through the cathode, said porous anode and

porous cathode having an effective surface area in contact with the electrolyte many times greater than their superficial areas, having only minute pores distributed uniformly throughout, and consisting essentially of carbon; and passing an electric current through the anode, cathode, and brine, whereby caustic alkali is formed at the cathode; and withdrawing through the porous cathode catholyte containing the caustic alkali; said anode and cathode both having a porosity between 35% and 70% and an air permeability above 15 and comprising comminuted solid carbon embedded in a porous carbon binder having uniformly distributed pores.

2,273,798

ELECTROLYTIC PROCESS

George W. Heise, Rocky River, and Erwin A. Schumacher, Parma, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Application October 31, 1939, Serial No. 302,112

10 Claims. (Cl. 204—82)

1. Method of oxidizing a salt selected from the group consisting of ferrous salts and salts of manganese in a valence state less than 7, which comprises electrolyzing an aqueous solution of such salt in an electrolytic cell between a cathode and a porous anode, said anode being uniformly porous and composed of comminuted solid carbon in a uniformly porous carbon binder, the porosity of said anode being between 35% and 70% and the air permeability thereof being above 15, whereby said salt is oxidized at the anode to a lower negative valence state, and promptly withdrawing, from between the anode and cathode and out of the cell through the porous anode, anolyte containing the oxidized salt.

2. Process for depositing copper from an aqueous electrolyte containing cupric sulfate and ferrous iron ions which comprises passing said electrolyte into an electrolytic cell between a cathode and a uniformly porous anode consisting of comminuted solid carbon in a porous carbon binder and having a porosity between 35% and 70% and an air permeability above 15, such cell being provided with means for withdrawing anolyte through the anode; passing an electric current through the cathode, anode, and electrolyte, thereby depositing copper at the cathode and anodically oxidizing the said ferrous iron ions; and withdrawing, from between the anode and cathode and out of the cell through the porous anode, anolyte containing the depolarization product.

6. Process for depositing zinc from an aqueous electrolyte containing a zinc salt and a ferrous salt which comprises passing said electrolyte into a cell between a cathode and a uniformly porous anode consisting of comminuted solid carbon in a porous carbon binder and having a porosity between 35% and 70% and an air permeability above 15, such cell being provided with means for withdrawing anolyte through the anode; passing an electric current through the anode, cathode, and electrolyte, thereby depositing zinc at the cathode and oxidizing the ferrous salt at the anode; and withdrawing from between the said anode and cathode and out of the cell through the porous anode anolyte containing the ferric salt.

10. A continuous process for oxidizing an alkali metal ferrocyanide which comprises electrolyzing an aqueous electrolyte containing said ferrocyanide in an electrolytic cell containing a uniformly porous anode and a uniformly porous cathode, both the cathode and the anode being of carbon and having a porosity between 35% and 70% and an air permeability above 30 and consisting of solid carbon particles in a porous carbon binder, and means for withdrawing electrolyte through said anode and cathode, whereby the anion of said salt is oxidized at the anode to ferricyanide and alkali metal hydroxide is formed at the cathode; promptly withdrawing from between the anode and cathode, and out of the cell through the porous anode, anolyte containing the ferricyanide; and promptly withdrawing from between the anode and cathode, and out of the cell through the porous cathode, catholyte containing the alkali metal hydroxide.

2,273,799

PROCESS FOR ELECTROLYTIC REDUCTION

Milton Janes, Lakewood, and George W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc., a corporation of New York

Application December 17, 1938, Serial No. 246,281

10 Claims. (Cl. 204—91)

1. Method of reducing a water soluble inorganic salt of an element of variable valency in a high valency state to a salt of such element in a lower valency state which comprises electrolyzing an aqueous solution of said salt in an electrolytic cell containing an anode and a porous carbon cathode composed of comminuted solid carbon in a uniformly finely porous binder, said cathode having a porosity between 35% and 70% and an air permeability above 15, whereby the salt is reduced at the cathode, and withdrawing through the pores of said cathode catholyte containing the reduced salt, such withdrawal being prompt, whereby only partial reduction of the valency of said element takes place.

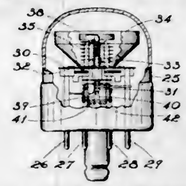
2,273,800

FLUORESCENT TYPE INDICATOR TUBE

Arne Schleimann Jensen, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application August 9, 1939, Serial No. 289,223

9 Claims. (Cl. 250—27.5)



1. An indicator tube comprising an envelope enclosing an electron emitter, a target which fluoresces under electron impact from said emitter, a deflector electrode between the emitter and target for controlling the fluorescent pattern on said target, and a foraminous electrode between the deflector electrode and target and electrically connected to the target for insuring substantially uniform distribution of the lines of force between said deflector and said target.

2,273,801

TELEVISION RECEIVER

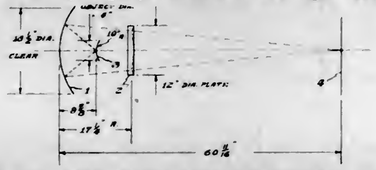
Daniel O. Landis, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1938, Serial No. 248,569

13 Claims. (Cl. 178—7.5)

1. An optical system for image projection and

enlarging comprising a light source adapted to emit light according to Lambert's law to produce a bi-dimensional optical picture image of finite area substantially centered on the optical axis of the system, a light reflecting surface of revolution having its concave surface positioned to receive the light issuing from the source, an aspherical zone plate positioned to receive the reflected light projected from the light source,



said zone plate being arranged external to the light path from the light source to the reflector and axially aligned with each and adapted to correct the spherical aberrations introduced into the reflected light rays by the reflecting surface whereby a sharply focused enlargement of the original finite dimension light source is developed at a plane located at a finite distance from the aspherical zone plate.

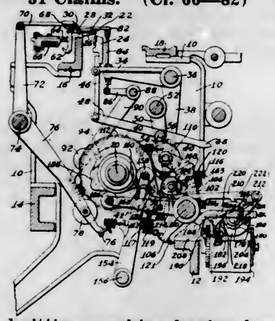
2,273,802

LOOP REGULATING MECHANISM FOR FLAT KNITTING MACHINES

Max C. Miller, Cumberland, R. I.

Application September 21, 1938, Serial No. 230,971

31 Claims. (Cl. 66—82)



1. In a knitting machine having loop forming elements including knitting needles and associated sinkers and dividers operable in accordance with a loop forming cycle, and loop regulating means coacting with said loop forming elements for producing fabric loops of predetermined length, said loop regulating means comprising separately adjustable devices successively operable in said loop forming cycle for positioning the loop forming elements during each of the yarn sinking and divide operations.

2,273,803

BEARING FOR SENSITIVE INSTRUMENTS

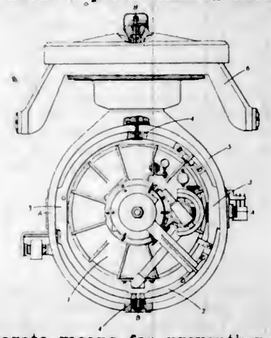
Hugh Murtagh, Laleham-on-Thames, and William George Harding, Whitton, England, assignors to Sperry Gyroscope Company Incorporated, Brooklyn, N. Y., a company of New York

Application December 19, 1939, Serial No. 309,944

In Great Britain December 21, 1938

10 Claims. (Cl. 248—358)

1. In a substantially horizontal trunnion bearing for sensitive members, a supporting member, a sensitive member, a trunnion on one of said members, a normally vertical leaf spring extending between the other member and the trunnion for suspending the weight of the sensitive member but permitting limited pivotal movement thereof about a predetermined horizontal axis,



and separate means for preventing translatory movement of said trunnion with respect to said other member without opposing its pivotal movement.

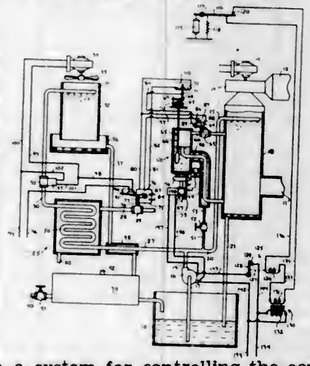
2,273,804

CHEMICAL DEHUMIDIFYING SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 23, 1939, Serial No. 252,378

2 Claims. (Cl. 159—44)



2. In a system for controlling the concentration of a solution, the combination of, a concentrator for concentrating the solution, regulating means for regulating the concentrating effect of said concentrator, a boiler separate from said concentrator, means for circulating a portion of the solution being controlled through the boiler to be boiled therein, means for providing heat exchange between the solution entering and leaving the boiler, and means responsive to the boiling temperature of the solution in the boiler for controlling the regulating means.

2,273,805

PLATINUM ALLOY

Edmund Merriman Wise, Westfield, and Raymond Francis Vines, Garwood, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 24, 1941, Serial No. 390,104. In Canada March 22, 1941

3 Claims. (Cl. 75—172)

1. A platinum alloy comprising a small but effective amount up to about 5% of tin and the balance substantially all platinum.

2,273,806

PLATINUM ALLOY

Edmund Merriman Wise, Westfield, and Raymond Francis Vines, Garwood, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application April 24, 1941, Serial No. 390,104. Divided and this application June 17, 1941, Serial No. 398,406. In Canada March 22, 1941

5 Claims. (Cl. 75—172)

4. A platinum-base alloy comprising about 0.35% to about 5% tin, about 0.5% to about 15% of at least one metal of the group consisting of ruthenium, iridium, palladium, osmium and rhodium, and the balance substantially all platinum.

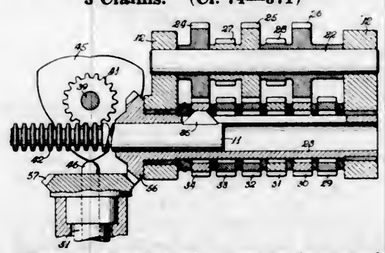
2,273,807

SPEED-CHANGE GEARING

Raymond M. Woytych, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Original application June 7, 1939, Serial No. 277,757. Divided and this application April 15, 1940, Serial No. 329,699

3 Claims. (Cl. 74—371)



1. The combination of a gear train embodying a plurality of gears arranged in series relation and adapted to be driven in series from one terminal of the train, a plurality of freely and independently rotatable driven gears arranged with each one meshing with a different gear in said train, part of said driven gears being rotated in the opposite direction with respect to the remainder, a driven member, selector means for connecting any selected one of said driven gears in driving relation with said driven member, a rotatable power take-off device, means including a reversing clutch for connecting said driven member in driving relation with said power take-off device, and means for actuating said reversing clutch as an incident to the operation of said selector means for maintaining unidirectional rotation of said power take-off device irrespective of the direction of rotation of the selected driven gear.

2,273,808

SYSTEM FOR TRANSMITTING INDICATIONS

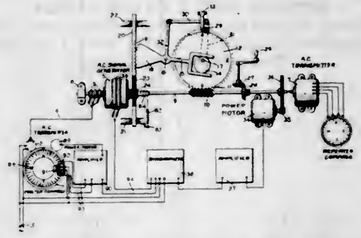
William George Harding, Whitton, and Robert Hayes Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 5, 1938, Serial No. 206,208

In Great Britain May 7, 1937

8 Claims. (Cl. 33—226)

1. In a transmission system for sensitive indicators, the combination with the sensitive and follow-up elements thereof, a two-part A. C. electrical pick-off, one part being on each of said elements and the signal from which is substantially proportional to the relative displacement of said elements, a power motor controlled by said pick-off for driving said follow-up element,



an A. C. transmitter driven by said motor for actuating remotely located repeater devices, and means for compensating the signals transmitted to said repeater devices from said transmitter by a correction factor derived from and a function of the signal from said pick-off, whereby lag between the sensitive element and repeater is eliminated.

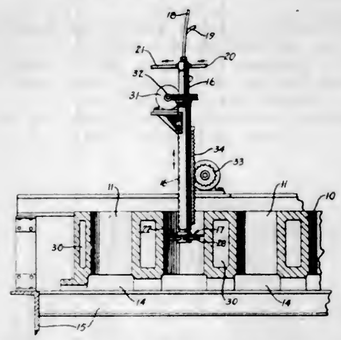
2,273,809

METHOD OF AND APPARATUS FOR HARDENING SURFACES OF METAL BODIES

Augustus B. Kinzel, Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Continuation of application Serial No. 2,501, January 19, 1935. This application July 13, 1938, Serial No. 218,930

19 Claims. (Cl. 148—21)



1. The method of hardening the inner periphery of a tubular ferrous chamber, comprising mounting the tubular chamber in a vertical position, directing heating jets substantially radially against a horizontal circumferential zone of the inner periphery at the lower end thereof, directing cooling jets generally radially against the inner periphery beneath the heating jets, providing an upward helical motion of the heating and cooling jets with respect to the tubular chamber, and passing air upwardly through the tubular chamber past the heating and cooling jets.

DESIGNS

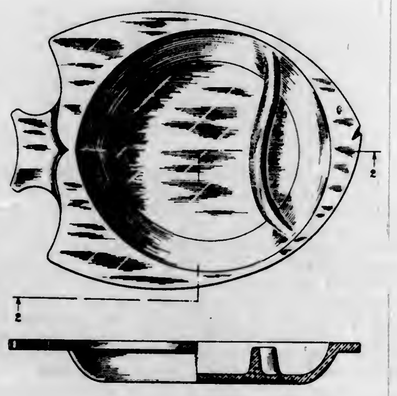
FEBRUARY 17, 1942

131,403
DESIGN FOR A CANDELABRA
Mildred Bryant Brooks, South Pasadena, Calif.
Application December 17, 1941, Serial No. 104,681
Term of patent 7 years



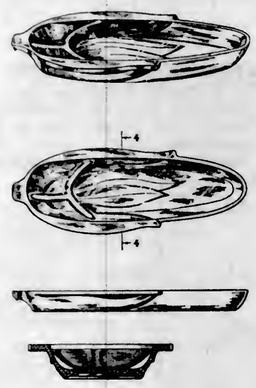
The ornamental design for a candelabra, as shown.

131,404
DESIGN FOR A GLASS NAPPY OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application December 18, 1941, Serial No. 104,714
Term of patent 7 years



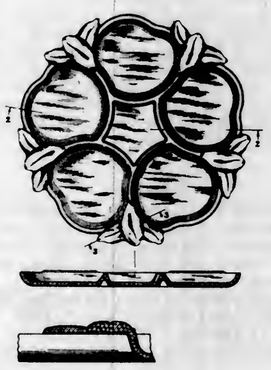
The ornamental design for a glass nappy or article of similar nature, substantially as shown.

131,405
DESIGN FOR A GLASS DISH OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application December 18, 1941, Serial No. 104,715
Term of patent 7 years



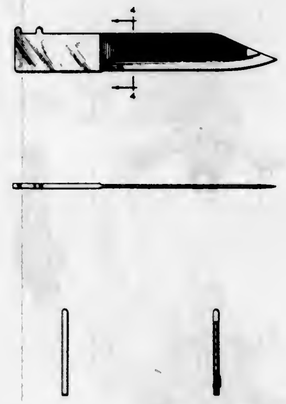
The ornamental design for a glass dish or article of similar nature, substantially as shown.

131,406
DESIGN FOR A GLASS RELISH DISH OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application December 20, 1941, Serial No. 104,770
Term of patent 7 years



The ornamental design for a glass relish dish or article of similar nature, substantially as shown.

131,407
DESIGN FOR A COMBINATION KNIFE BLADE AND FILE
Howard L. Fischer, St. Paul, Minn.
Application May 1, 1941, Serial No. 100,734
Term of patent 14 years



The ornamental design for a combination knife blade and file, as shown.

131,408
DESIGN FOR A SOCK
Jean Harms, Clayton, Mo.
Application May 7, 1941, Serial No. 100,821
Term of patent 7 years



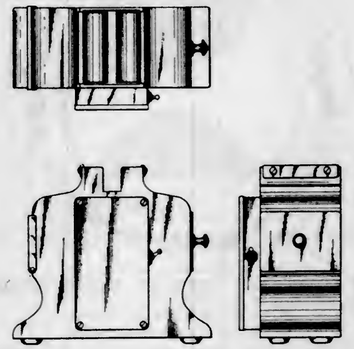
The ornamental design for a sock, as shown and described.

131,409
DESIGN FOR A JEWELRY FINDING
Joseph Kantor, New York, N. Y.
Application December 23, 1941, Serial No. 104,804
Term of patent 3½ years



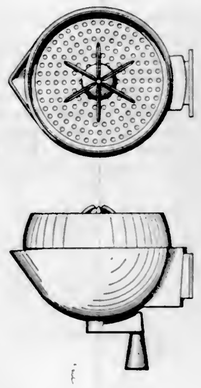
The ornamental design for a jewelry finding, substantially as shown.

131,410
DESIGN FOR A CARD SHUFFLER
Walter Krebs, New York, N. Y., assignor to Revo Specialty Company, New York, N. Y.
Application May 13, 1941, Serial No. 100,919
Term of patent 7 years



The ornamental design for a card shuffler, as shown.

131,411
DESIGN FOR A FRUIT JUICER
Jean Otis Reinecke, Oak Park, Ill., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 7, 1941, Serial No. 101,341
Term of patent 7 years



The ornamental design for a fruit juicer, substantially as shown.

131,412
DESIGN FOR A PLATE OR SIMILAR ARTICLE
William Remstein, Syracuse, N. Y., assignor to Iroquois China Company, Syracuse, N. Y.
Application November 7, 1941, Serial No. 104,087
Term of patent 7 years



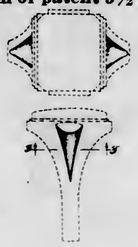
The ornamental design for a plate or similar article, as shown.

131,413
DESIGN FOR AN ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application March 12, 1940, Serial No. 90,845
Term of patent 14 years



The ornamental design for an electric vaporizer, substantially as shown and described.

131,414
DESIGN FOR A VENTILATED FINGER RING
William R. Rowan, North Attleboro, Mass.
Application August 26, 1941, Serial No. 103,016
Term of patent 3½ years



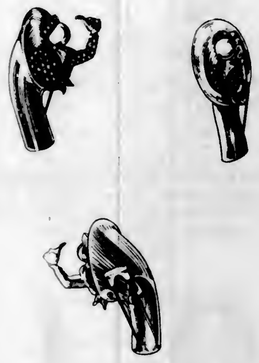
The ornamental design for a ventilated finger ring, substantially as shown and described.

131,415
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application January 12, 1942, Serial No. 105,155
Term of patent 3½ years



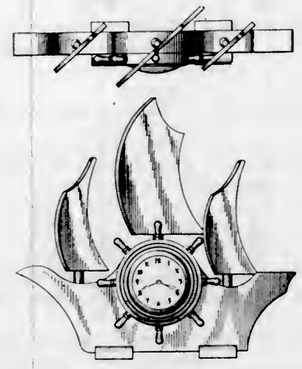
The ornamental design for a pin or similar article, substantially as shown.

131,416
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application January 12, 1942, Serial No. 105,157
Term of patent 3½ years



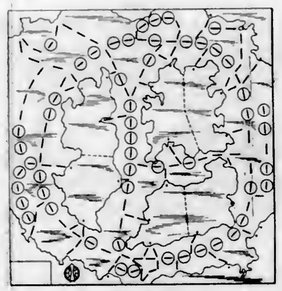
The ornamental design for a pin or similar article, substantially as shown.

131,417
DESIGN FOR AN ELECTRIC CLOCK
Louis Eickemeyer, Union, N. J., assignor to Joseph Gottlieb, Jersey City, N. J.
Application December 30, 1941, Serial No. 104,907
Term of patent 7 years



The ornamental design for an electric clock, as shown.

131,418
DESIGN FOR A GAME BOARD
Lester Eugene Hoffmaster, Lebanon, Pa.
Application November 22, 1941, Serial No. 104,249
Term of patent 3½ years



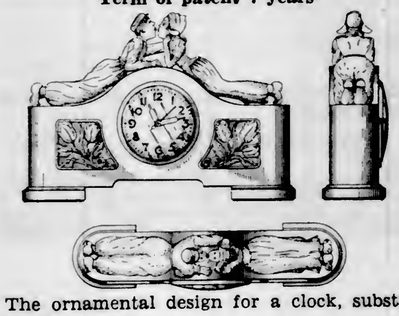
The ornamental design for a game board, as shown.

131,419
DESIGN FOR A CAP
Elsie C. Hogg, Elizabeth, N. J.
Application December 12, 1941, Serial No. 104,604
Term of patent 3½ years



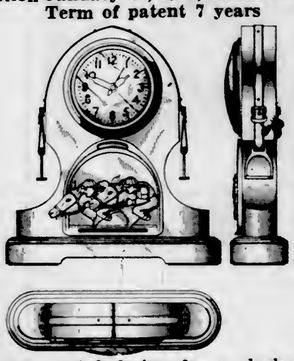
The ornamental design for a cap, as shown.

131,420
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application January 15, 1942, Serial No. 105,209
Term of patent 7 years



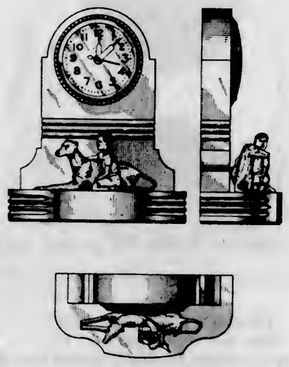
The ornamental design for a clock, substantially, as shown.

131,421
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application January 15, 1942, Serial No. 105,210
Term of patent 7 years



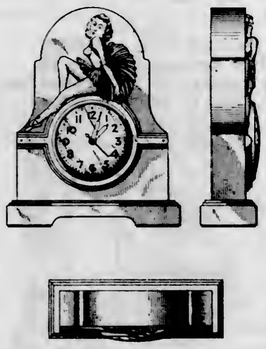
The ornamental design for a clock, substantially as shown.

131,422
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application January 15, 1942, Serial No. 105,211
Term of patent 7 years



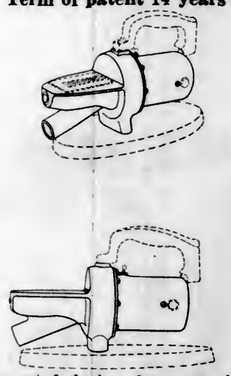
The ornamental design for a clock, substantially as shown.

131,423
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application January 15, 1942, Serial No. 105,212
Term of patent 7 years



The ornamental design for a clock, substantially as shown.

131,424
DESIGN FOR A COMBINED ERASER AND CHALK RAIL CLEANER BODY
John C. Mather, Indianapolis, Ind.
Application December 12, 1940, Serial No. 97,281
Term of patent 14 years



The ornamental design for a combined eraser and chalk rail cleaner body, as shown and described.

131,425
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
David Mir, New York, N. Y.
Application January 3, 1942, Serial No. 105,004
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,426
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,058
Term of patent 3½ years



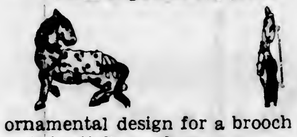
The ornamental design for a brooch or similar article, substantially as shown.

131,427
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,059
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,428
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,060
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,429
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,061
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,430
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,062
Term of patent 3½ years



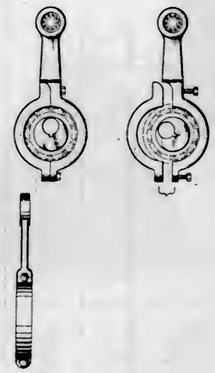
The ornamental design for a brooch or similar article, substantially as shown.

131,431
DESIGN FOR A SLIP OR SIMILAR ARTICLE
Semon Wolf, New York, N. Y.
Application November 10, 1941, Serial No. 104,099
Term of patent 14 years



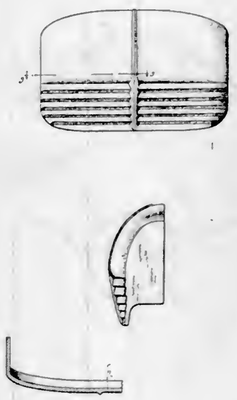
The ornamental design for a slip or similar article, substantially as shown and described.

131,432
DESIGN FOR A CONNECTING ROD
Frank P. Clark, St. Paul, Minn.
Application March 31, 1941, Serial No. 100,039
Term of patent 14 years



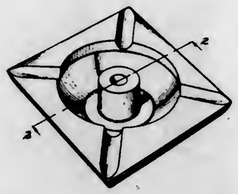
The ornamental design for a connecting rod, as shown and described.

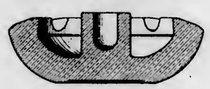
131,433
DESIGN FOR A LAMP FOR COOKING RANGES
David L. Edelmuth, Shaker Heights, Ohio, assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application December 20, 1940, Serial No. 97,488
Term of patent 3½ years



The ornamental design for a lamp for cooking ranges, substantially as shown.

131,434
DESIGN FOR AN ASH TRAY
Rollie B. Fageol, Beverly Hills, Calif.
Application June 18, 1941, Serial No. 101,522
Term of patent 3½ years

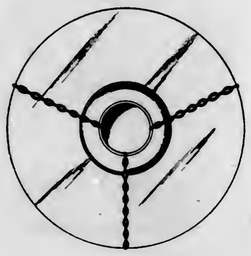




The ornamental design for an ash tray, as shown.

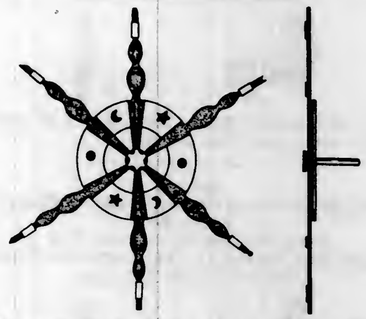
131,435
DESIGN FOR A COMBINED FLOWER BOWL AND MIRROR
Horace A. Fuld, New York, N. Y.
Application December 9, 1941, Serial No. 104,551
Term of patent 3½ years





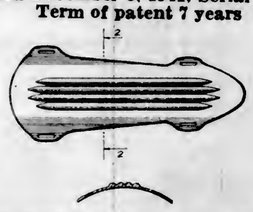
The ornamental design for a combined flower bowl and mirror, substantially as shown.

131,436
DESIGN FOR A LIPSTICK ADVERTISING DEVICE
Florence N. Lewis, New York, N. Y.
Application December 4, 1941, Serial No. 104,463
Term of patent 3½ years



The ornamental design for a lipstick advertising device, substantially as shown, and described.

131,437
DESIGN FOR AN ARCHER'S ARM GUARD
Clarence E. Love, Denver, Colo.
Application December 8, 1941, Serial No. 104,541
Term of patent 7 years



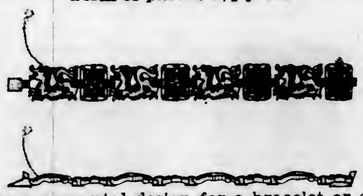
The ornamental design for an archer's arm guard, as shown.

131,438
DESIGN FOR AN ASH TRAY
Olive Matthews, Memphis, Tenn.
Application October 29, 1941, Serial No. 103,944
Term of patent 7 years



The ornamental design for an ash tray, as shown.

131,439
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 7, 1942, Serial No. 105,063
Term of patent 3½ years



The ornamental design for a bracelet or similar article, substantially as shown.

131,440
DESIGN FOR A LIPSTICK HOLDER
Henriette Preller, Forest Hills, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application October 2, 1941, Serial No. 103,612
Term of patent 7 years





The ornamental design for a lipstick holder, as shown and described.

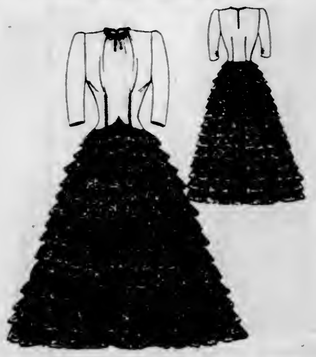
131,441
DESIGN FOR A DRESS
Adelé Brody, Dorchester, Mass., assignor to Murray White Company, Boston, Mass., a corporation of Massachusetts
Application November 22, 1939, Serial No. 88,409
Term of patent 3½ years





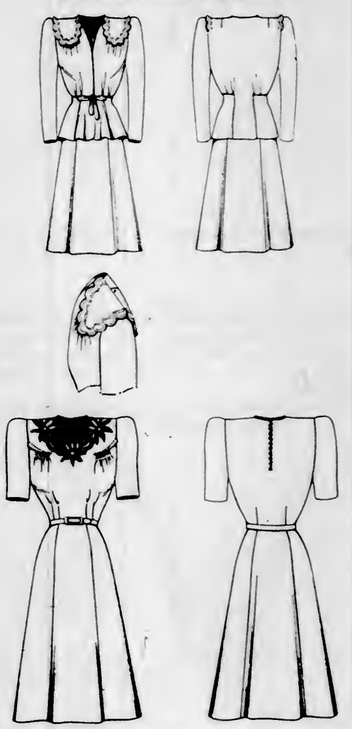
The ornamental design for a dress, as shown.

131,442
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application January 19, 1942, Serial No. 105,277
Term of patent 3½ years



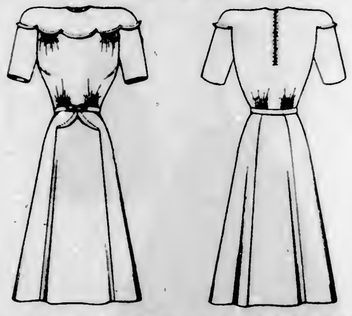
The ornamental design for a dress, substantially as shown.

131,443
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application January 19, 1942, Serial No. 105,274
Term of patent 3½ years



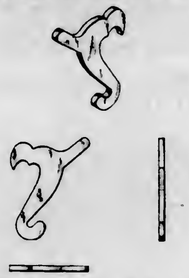
The ornamental design for a dress ensemble, substantially as shown.

131,444
DESIGN FOR A DRESS
Simon Etkin, New York, N. Y.
Application January 19, 1942, Serial No. 105,276
Term of patent 3½ years



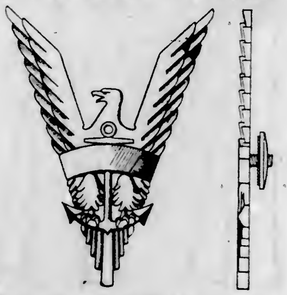
The ornamental design for a dress, substantially as shown.

131,445
DESIGN FOR A CLOTHING HOOK
Viktor Keller, New York, N. Y.
Application January 30, 1941, Serial No. 98,533
Term of patent 3½ years



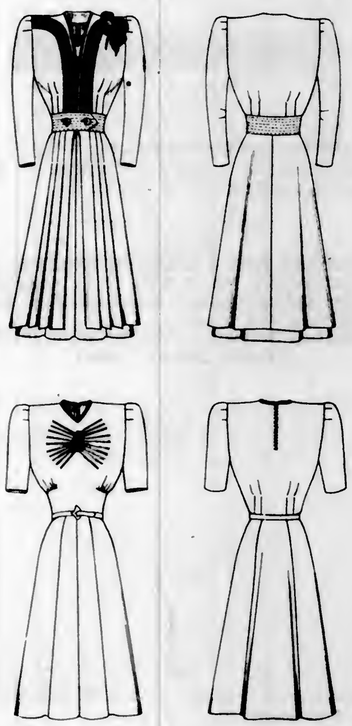
The ornamental design for a clothing hook, as shown.

131,446
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Mark O'Dea, Washington, D. C., assignor to Government of the United States of America as represented by the United States Maritime Commission
Application February 2, 1942, Serial No. 105,547
Term of patent 14 years



The ornamental design for a badge or similar article, as shown.

131,447
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, New York, N. Y.
Application January 19, 1942, Serial No. 105,278
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,448
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application December 6, 1941, Serial No. 104,526
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,449
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 19, 1942, Serial No. 105,270
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,450
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 19, 1942, Serial No. 105,271
Term of patent 3½ years



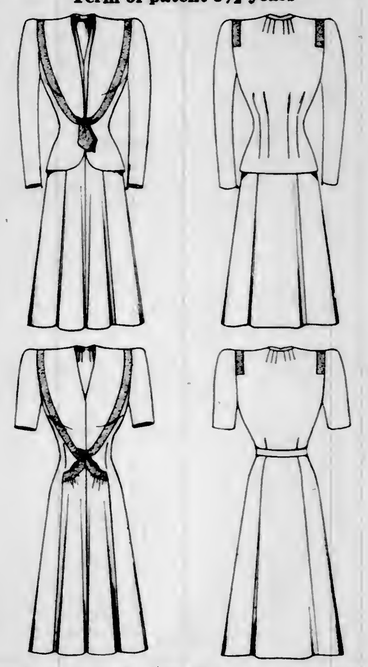
The ornamental design for a dress, substantially as shown.

131,451
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 19, 1942, Serial No. 105,272
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,452
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application January 19, 1942, Serial No. 105,273
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

Patents Nos. 2,273,810 to 2,274,631

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 535—No. 4 TUESDAY, FEBRUARY 24, 1942 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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February 24, 1942

Trade-Marks	94—No. 393,626 to No.	393,719, inclusive
T. M. Renewals	90	
Reissues	12—No. 22,030 to No.	22,041, inclusive.
Plant Patents	1—No. 503	
Patents	822—No. 2,273,810 to No.	4,631, inclusive.
Total	1,019	

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 22, 1942.*

American Crude Oil Motors Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Acrotorque Company, 4815 Lexington Avenue, Cleveland, Ohio, to effect the cancellation of registration No. 198,071, issued May 5, 1925, to American Crude Oil Motors Corp., 153 Hudson Street, New York, N. Y., and a notice of such proceeding sent by registered mail to said American Crude Oil Motors Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said American Crude Oil Motors Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice

Under Public No. 239 (Approved August 21, 1941)

Each petition for license to file in a foreign country, an application for patent, etc., corresponding to an allowed United States application should be brought at least six weeks before payment of the final fee in the allowed application.

Consideration of petitions filed after the time indicated above may be subjected to unavoidable delays, so that petitioners' rights to file in foreign countries under the convention may be jeopardized.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Ohio.) Hopkins patent, No. 1,780,485, for operating blast furnaces, *Held* invalid. *Hopkins* v. *Republic Steel Corporation*, 42 F. Supp. 45.

(C. C. A. Tex.) White patent, No. 2,121,675, for combination fitting for gas dispensing systems, claims 1, 3, 5, 11, 12, and 17 *Held* invalid. *Butex Gas Co.* v. *Southern Steel Co.*, 123 F.(2d) 954.

Drawings

Rule 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

Rule 52—Extract

(*f*) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth, of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

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Patents Nos. 2,273,810 to 2,274,631

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It is suggested that numerals or letters be used without exponents.

Condition of Applications Under Examination at Close of Business January 31, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,394; Trade-Mark Division, 1,257. Oldest new case, Apr. 26, 1941; oldest amended, Apr. 25, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 10	June 20	755
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 9	Aug. 13	636
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 18	Oct. 16	551
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 10	Sept. 29	469
8077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 9	493
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 16	July 18	950
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	July 22	1012
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	Aug. 4	843
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 2	555
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	May 31	June 5	816
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 2	Oct. 7	395
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 20	Aug. 4	568
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	June 9	629
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 7	Oct. 6	562
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 21	June 20	1200
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 20	Sep. 17	466
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	June 26	868
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Aug. 18	509
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 22	July 24	653
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 24	July 28	393
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 1	Sept. 5	345
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 28	Apr. 30	1537
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	243
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 25	Aug. 16	793
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 8	Sept. 3	567
8803	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 12	Sept. 5	384
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	Aug. 7	493
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 24	382
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 19	July 18	684
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 20	Oct. 18	371
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 9	Aug. 8	1478
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 16	June 25	892
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	June 20	June 23	929
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 23	July 22	372
3676	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 3	June 27	864
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 11	Aug. 12	595
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Sept. 10	598
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 19	June 14	682
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Oct. 10	464
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 7	July 7	1574
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 13	Aug. 2	561
5882	42. CUTTING, H. O., Electric Signaling	Sept. 6	Aug. 22	380
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 21	Aug. 12	666
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 20	Aug. 23	393
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 7	Nov. 10	281
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 28	July 28	809
6082	47. KANOF, W. J., Clutches; Brakes	Aug. 14	Aug. 15	426
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 29	July 29	726
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 26	July 14	665
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 25	July 29	1348
5638	51. BACKUS, C. D., Radiant Energy (part)	Nov. 7	Nov. 6	319
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 4	Sept. 11	477
6607	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 20	Apr. 28	576
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 16	Sept. 29	308
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 20	Sept. 17	279
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 14	June 10	1366
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 21	Oct. 10	367
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 30	Oct. 14	379
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 16	June 20	1076
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 12	Aug. 28	315
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 6	Aug. 11	681
5631	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 21	Aug. 9	642
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 3	July 3	1246
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 31	Aug. 1	1500
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 13	Sept. 19	390
2000 B	Trade-Marks: F. A. RICHMOND	Dec. 19	Dec. 21	1,258
2005	Designs: H. H. KALUPY	Nov. 29	Dec. 12	747

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

B. B. Chemical Co.
v.
Ellis and Magic Tape Company

No. 75. Decided January 5, 1942

[— F.(2d) —]

Infringement—Defenses—Public Policy—Patent No. 1,830,428.

Where the B. B. Co. as the owner of Ellis patent, No. 1,830,428, for a method of reinforcing insoles, authorized shoe manufacturers to use the patented method only with materials furnished by it, and where E et al. were sued for infringement of said patent for supplying shoe manufacturers with materials for use by the patented method and aiding in such use *Held* that maintenance of the suit to restrain any form of infringement is contrary to public policy and that the suit rightly was dismissed by the district court.

On writ of certiorari to the United States Circuit Court of Appeals for the First Circuit. Affirmed.

Mr. Harrison F. Lyman (*Mr. C. E. Hammett, Jr.*, *Mr. Arnold C. Rood*, *Mr. A. D. Salinger*, and *Messrs. Fish, Richardson & Neave* with him on the brief) for B. B. Chemical Company.

Mr. William Gates, Jr. (*Mr. Robert Cushman*, *Mr. James R. Hodder*, and *Messrs. Roberts, Cushman* and *Woodberry* with him on the brief) for Ellis and Magic Tape Company.

Mr. Chief Justice Stone delivered the opinion of the Court.

This is a companion case to No. 49, *Morton Salt Company* v. *Suppiger Company*, decided this day, and involves the question whether the owner of a method patent who authorizes manufacturers to use it only with materials furnished by him may enjoin infringement by one who supplies the manufacturer with materials for use by the patented method and aids in such use.

Petitioner brought the present suit for an injunction and an accounting for infringement of the Ellis patent, No. 1,830,428, of November 3, 1931, for a method of reinforcing insoles in shoe manufacture. Respondents denied infringement and set up as a further defense petitioner's misuse of the patent by permitting its use only with the unpatented materials sold by petitioner. The district court sustained this defense and the Court of Appeals for the First Circuit affirmed. 117 F. 2d 829. We granted certiorari, 313 U. S. 558, because of the importance of the question presented and because we wished to consider this with the Morton Salt Company case.

Claim 4 of the patent is for a method

"of reinforcing insoles which comprises applying, at room temperature, to a strip of reinforcing material provided with a dry coating of a cement having a substantial rubber content, a coating of adhesive containing a relatively large amount of rubber and of such a character that it will be effective even when freshly applied to cause quick adhesion of the reinforcing material and the material of the insole, and applying to each other, still at room temperature, a portion of the coated strip and the insole to be reinforced."

Both courts below sustained the validity of claim 4 and held it was infringed by respondents' selling to purchasers of petitioner's materials like material for use with the patented process. But both held that petitioner was debarred from enjoining the infringement because of the manner of conducting its business, which is to supply shoe manufacturers, for use in reinforcing insoles, pre-coated fabric which it has slit into strips of suitable width for use by the patented method. If the manufacturer desires he provides the fabric and petitioner pre-coats and slits it. Petitioner supplies adhesive of high rubber content to be applied to the pre-coated fabric at the factory, just before the application of the reinforcing material to the insole. It also furnishes patented machines suitable for applying the adhesive to the strips, the machines remaining petitioner's property.

As compensation petitioner makes a single charge to the shoe manufacturer at a rate per web yard of fabric used, and if the manufacturer does not furnish the fabric the price of that is added to the charge. Petitioner has not granted to shoe manufacturers, or asked them to take, written licenses. The courts below held that petitioner's sale to manufacturers of the unpatented materials for use by the patented method operated as a license to use the patent with that material alone and thus restrained competition with petitioner in the sale of the unpatented material, as in *Carbice Corp.* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3, and *Leitch Mfg. Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657.

Petitioner insists that the respondents' acts of infringement, as found by the district court, were not limited to the sale of material for use by the patented method as in the Carbice and Leitch cases, but amounted to active inducement of infringement by the shoe manufacturers and to cooperation with their infringing acts. Petitioner argues that even though under the Carbice and Leitch cases it has "no right to be free from competition in the sale" of the materials, it has the right under the patent law to restrain infringement in any manner other than by the competitive sale of the unpatented materials.

We may assume, for purposes of decision, that respondents' infringement did extend beyond the mere sale of the materials to the manufacturers. But in view of petitioner's use of the patent as the means of establishing a limited monopoly in its unpatented materials, and for the reasons given in our opinion in the Morton Salt Company case, we hold that the maintenance of this suit to restrain any form of infringement is contrary to public policy, and that the district court rightly dismissed it.

It is without significance that, as petitioner contends, it is not practicable to exploit the patent rights by granting licenses because of the preferences of manufacturers and of the methods by

which petitioner has found it convenient to conduct its business. The patent monopoly is not enlarged by reason of the fact that it would be more convenient to the patentee to have it so, or because he cannot avail himself of its benefits within the limits of the grant.

Despite this contention, petitioner suggests that it is entitled to relief because it is now willing to give unconditional licenses to manufacturers on a royalty basis, which it offers to do. It will be appropriate to consider petitioner's right to relief when it is able to show that it has fully abandoned its present method of restraining competition in the sale of unpatented articles and that the consequences of that practice have been fully dissipated.

Affirmed.

Mr. Justice ROBERTS took no part in the decision of this case.

U. S. Court of Appeals for the District of Columbia

DYER

v.

COE, COMMISSIONER OF PATENTS

No. 7,374. Decided December 22, 1941

[— F.(2d) —]

1. PATENTABILITY—CO-PENDING REFERENCE.

"We think it can be regarded as settled law that co-pending applications which, either singly, or in combination with previous patents or other co-pending applications, or both, disclose knowledge inconsistent with a claim of first invention, are available as references."

2. SAME—ALLOWED CLAIMS AS MEASURE OF PATENTABILITY OF REJECTED CLAIMS.

"We rule that the action of the Commissioner on allowed claims is not to be taken as a conclusive measure of the patentability of rejected claims; that patentability of the latter must be determined ultimately by comparison with the prior art; although in connection with such other items of evidence as may be relevant the Commissioner's action on allowed claims can be taken into consideration in determining the patentability of rejected claims—the persuasive value to be given to the action of the Commissioner in respect of allowed claims to be determined in each case on its own facts."

3. SAME—SAME.

"If the rejected claims cannot in and of themselves be held patentable over the prior art, they cannot be held patentable for the purpose of protecting allowed claims against infringement through equivalents."

4. SAME—CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINES.

Certain claims to control apparatus for internal combustion engines *Held* properly denied to appellant.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Frank E. Liverance, Jr. (*Mr. John Boyle, Jr.* of counsel) for Dyer.

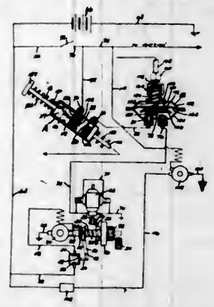
Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before STEPHENS, MILLER and VINSON, Associate Justices

STEPHENS, *A. J.:*

This is an appeal from a decree of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill in equity seeking, under Rev. Stat. § 4915, an order authorizing the appellee Commissioner of Patents to issue to the appellant Dyer a patent on his application for Letters Patent, Serial No. 608,476, filed April 30, 1932. The appeal is from that portion of the decree in which the district court held Dyer not entitled to the allowance of claims 1, 3, 4, 5, 7, 8, 9, 28, 29, 30, 34, 35, 41, and 44.[1] All of the claims relate to an apparatus for starting internal combustion engines of automotive vehicles. They were held by the trial court, accepting the views of the Commissioner, to be lacking in invention over the prior art. On this appeal the references relied upon by the Commissioner are: Collins, No. 1,862,006, June 7, 1932; Hasselbring, No. 1,763,702, June 17, 1930; Hasselbring, No. 1,596,876, Aug. 24, 1926; Renault (French), No. 468,161, Apr. 17, 1914; Stevenson, No. 1,771,866, July 29, 1930; Ulam, No. 1,845,855, Feb. 16, 1932.

Dyer's application, in terms of the wiring diagram set forth below, discloses an apparatus which operates as follows: When ignition switch 98, 96 is closed and accelerator pedal head 122 is depressed, thus bringing points 88 and 86 into contact, an electric circuit is completed, through closed switch B, between battery 66 and auxiliary motor 40. The auxiliary motor, actuated by the battery, operates to rotate shaft 38 and beveled gear 36 mounted thereon. Enmeshed with gear 36 and rotating at a right angle thereto is beveled gear 34 which is threaded on worm grooved sleeve 24, which is itself splined to armature shaft 22 of starting motor 20. When, as a result of the action of auxiliary motor 40, gear 34 revolves, sleeve 24 is caused to move horizontally to the right along shaft 22, thus bringing starting pinion 28 into engagement with ring gear 30 which is attached to the flywheel of the engine to be started. At the same time the motion of sleeve 24 toward the right causes the lower end of lever 48 to move to the left thereby closing switch 54, 56. This completes an electric circuit between battery 66 and starting motor 20, and the starting motor then operates, through pinion 28 and ring gear 30, to turn the



[1] Claims 13, 16, 17, 19, 20, 21, 25, 31, 33, and 46 had been rejected by the Commissioner only on the ground of multiplicity. At the trial below the Commissioner conceded that such ground had been avoided by the withdrawal of a number of other claims and that there was no other basis for rejecting the claims enumerated and that the decree of the court below might authorize the issuance of a patent thereon. These claims were therefore decreed to Dyer.

engine flywheel. As soon as the engine "catches," that is, starts to operate under its own power through the explosions of gasoline in the cylinders, sleeve 24 moves back toward the left, on shaft 22, to its original position. This movement is occasioned by the fact that the speed of the engine operating under its own power is greater than that of auxiliary motor 40, which thereby (according to the specification) "acts as a brake to retard the movement of the gear 34." As sleeve 24 moves back to its original position it withdraws pinion 28 from engagement with ring gear 30 of the flywheel and at the same time, by occasioning a rightward movement of the lower end of lever 48, it causes disconnection of the electric circuit of the starting motor at switch 54, 56. The circuit between battery 66 and auxiliary motor 40 is also at the same time disconnected, the auxiliary motor thereby ceasing operation, by the opening of switch B by means of suction communicated from the manifold of the engine through tube 162.[2]

The principal reliance of the Commissioner is upon the Collins patent and the two Hasselbring patents, each of which defines an apparatus for starting an internal combustion engine of an automotive vehicle. We think it necessary to discuss only these. The Collins patent discloses a variable fuel control (accelerator) pedal mechanically connected to a lever which operates a switch connection closing an electric circuit between a battery and a starting motor. When the automobile engine commences to operate under its own power, a pin, by gravity made a part of the mechanical connection between the accelerator pedal and the starting motor switch, is, by force of suction from the manifold, withdrawn. This breaks the mechanical connection mentioned, the switch opens, and the starting motor is thus rendered inoperative. The accelerator pedal is then free to be operated as a throttle without affecting the starting motor. The Hasselbring patents disclose an apparatus wherein by closing an ignition switch a solenoid (a type of "power operated means") is energized through the closing of a circuit between it and a battery. Movement of the magnetic core of the solenoid then closes a circuit between the starting motor and the battery, and at the same time causes, through a series of mechanical connections, the engagement of gears which establish driving connection between the automobile engine and the starting motor. In the Hasselbring patents the engine starting is completely automatic upon the closing of the ignition switch. The Hasselbring patents also describe means, either by vacuum or by magnetic switches similar to those employed by the appellant, for rendering the starting motor inoperative and releasing it from engagement with the engine flywheel.

[2] Some of the claims define other methods of effecting a disconnection of the auxiliary motor circuit through switch B. One is through the use of a solenoid energized by a generator driven by the engine; another is through the use of both a solenoid and generator in connection with the vacuum in the manifold.

Claim 1, typical of the rejected Dyer claims, reads as follows:

1. Control apparatus for internal combustion engines comprising, a current source, a starting motor adapted to be operated by current from said source, means for establishing driving connection between the starting motor and the engine, power operated means other than the starting motor for operating said last named means, means for variably controlling the quantity of combustible mixture supplied to the engine and means operated by said mixture controlling means for controlling the operation of said power operated means.

Certain elements described in this claim are lacking in Collins, to wit, a starting motor adapted to be operated by a current source, means for establishing driving connection between the starting motor and the engine, and power operated means other than the starting motor for operating the last named means. But these are supplied by the Hasselbring patents. Thus claim 1 of Dyer describes an apparatus which could be produced by a combination of Collins and the Hasselbring disclosures. The Commissioner concluded, and the trial court also held, that it did not involve invention to produce this combination. After a careful examination of the claims in issue and of the references we think it cannot with reason be said that the rulings of the Commissioner and the findings and conclusions of the trial court to this effect were in clear error. Therefore they are to stand. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449 (1939), 512 O. G. 3.

[1] The record discloses that Collins filed his application January 15, 1931, Dyer his April 30, 1932, and that the Collins patent issued June 7, 1932. Dyer contends that the Collins patent is not a valid reference since the Collins application was thus co-pending with the Dyer application. But we think the point not well taken. In *Minnesota Mining & Manufacturing Co.* v. *Coe*, 69 App. D. C. 256, 258, 100 F.(2d) 429, 431 (1938), 497 O. G. 766, we said:

It is disclosure of knowledge inconsistent with a later claim of first invention which is important in determining the effect of co-pending applications. Although the issuance of a patent or other proof of prior invention will constitute a disclosure, prior invention is not alone controlling; for disclosure may also occur in other ways, as by publication in a periodical, by a disclaimer of invention of a described process, or by an abandonment thereof. Consequently, it is immaterial—if a disclosure actually occurs—whether it results from a description in a single co-pending application, from descriptions in several such applications, or from descriptions in co-pending applications together with descriptions in previously issued patents. Prior knowledge, clearly revealed, is repugnant to the claim of first invention. . . . [Italics supplied.]

Dyer relies upon *Hazeltine Corp.* v. *Coe*, 66 App. D. C. 341, 87 F. (2d) 558 (1936), 476 O. G. 941, as supporting the contention that the Collins patent is not available as a reference. But, as we said in *Minnesota Mining & Manufacturing Co.* v. *Coe*, supra,[3] *Hazeltine Corp.* v. *Coe* merely decided that since

"all of the co-pending references relied upon therein failed, either singly or in combination, to disclose the claims of the later applicant, they did not prevent the issuance of a patent to him as the first inventor."

We think it can be regarded as settled law that co-pending applications which, either singly, or in combination with previous patents or other co-pending applications, or both, disclose knowledge inconsistent with a claim of first invention, are available

[3] 69 App. D. C. at 259, 100 F.(2d) at 432.

as references. Cf. *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390 (1926), 344 O. G. 817.

Dyer further urges, however, that he has made an inventive advance over the prior art, even though the Collins patent be a valid reference, in this: In Dyer as soon as pedal 122 shown in the diagram set out above is depressed, it commences at once to open the fuel throttle between the carburetor and the engine cylinders, that is, starts immediately to feed gas, and continues to do this in constantly increasing quantity as further depressed; this function continues not only up to the time of contact of points 88, 86 as a result of which, as above explained, auxiliary motor 40 and starting motor 20 commence operating, but also thereafter. Thus whether the engine "catches" or not at the moment it starts turning over, more gas may be fed in. In other words, the pedal in the Dyer device performs the function of a variable fuel control at all times. This it is contended is a highly useful function in cold weather starting—in aiding the engine to "catch" by feeding an increasing amount of fuel as the pedal is depressed. But in Collins, although some gasoline, to wit the definite quantity which would be admitted to the carburetor through a flutter valve when the pedal is pressed down to the extent necessary to mechanically operate the switch connection closing the circuit between battery and starting motor, is fed into the carburetor by this depression of the pedal, no more can be introduced until the engine actually "catches" and is operating under its own power and through consequent suction in the manifold withdraws the pin breaking the mechanical connection between the accelerator pedal and the starting motor switch so that thereafter the pedal is free to be operated as a throttle without affecting control of the starting motor. More briefly, only after the engine has commenced operating under its own power in Collins and the pedal is disconnected from the starting apparatus can it be fully used to variably control the admission of fuel to the cylinders. In the Hasselbring patents the gas feed pedal is not combined with the starting device.

On the court's own motion this case was reheard on October 13, 1941, in consolidation with two other cases mentioned below, upon the question single to this case whether this feature of the Dyer apparatus is described in the rejected claims, and upon a further question, mentioned below, common to all three cases. But upon consideration of the contentions made at the reargument and in briefs submitted, we think the conclusion is compelled that, however, useful, novel and inventive this variable fuel control during starting feature of the Dyer apparatus may be, it is not described in any of the claims in issue. For example claim 1 merely says "means for variably controlling the quantity of combustible mixture supplied to the engine and means operated by said mixture controlling means for controlling the operation of said power operated means."

In order adequately to describe the specific advance upon which Dyer relies as above stated it would be necessary to add words defining means for variably supplying fuel to the engine during engine starting. Therefore, assuming, without ruling, that Dyer made a meritorious contribution of inventive character, the trial court could not authorize the granting of a patent thereon where that contribution is not defined in the claims as now written. The statutory requirement (Rev. Stat. § 4888) that the applicant for a patent "shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention," has not been met. 2 Walker, Patents (Deller's ed., 1937) 769.

Dyer urges a further ground for the allowance of a patent upon the rejected claims. He asserts that the only difference between those claims and the ones which were allowed by the Commissioner is that the latter are limited by the recital of specific types of means such as "a foot operated accelerator pedal," "an auxiliary rotary motor" and "a generator," and that the rejected claims, in other respects similar to the allowed claims, are phrased for protection of the allowed claims against substitution of certain well-known equivalents for the specific means mentioned. Assuming that the rejected claims are substantially identical with the allowed claims, differing only as asserted by Dyer in breadth for the purpose of protecting against infringement through equivalents, still the contention that the rejected claims should be allowed in order to protect the allowed claims assumes that the action of the Commissioner in granting the allowed claims is a conclusive measure of patentability of the rejected claims. That is to say, what Dyer in effect is urging is that since the allowed claims were held patentable and the rejected claims are substantially identical therewith—differing only for the purpose of protection against infringement through equivalents—they must be granted.

[2] At the rehearing of this case, referred to above, consolidated with No. 7,400 *Sharp* v. *Coe* and No. 7,533 *Minnesota Mining & Manufacturing Company* v. *Coe*, the question common to the three cases, whether or not a court in passing upon the patentability of claims rejected by the Commissioner may use as a measure of patentability allowed claims, was reargued and briefs presented thereon. As stated in No. 7,400 *Sharp* v. *Coe*, decided this day, we rule that the action of the Commissioner on allowed claims is not to be taken as a conclusive measure of the patentability of rejected claims; that patentability of the latter must be determined ultimately by comparison with the prior art; although in connection with such other items of evidence as may be relevant the Commissioner's action on allowed claims can be taken into consideration in determining the patentability of rejected claims—the persuasive value to be given to the action of the Commissioner in respect of allowed claims to be determined in each case on its own facts.

[3] [4] If the rejected claims cannot in and of themselves be held patentable over the prior art, they cannot be held patentable for the purpose of protecting allowed claims against infringement through equivalents. And in this case we think that, even considering the action of the Commissioner in granting the allowed claims as one item of evidence bearing upon the question of patentability of the rejected claims, still it cannot reasonably be said that the trial court was in clear error in its ruling that the rejected claims were not patentable.

Affirmed.

U. S. Court of Appeals for the District of Columbia

SHARP
v.
COE, COMMISSIONER OF PATENTS

No. 7,400. Decided December 22, 1941

[— F.(2d) —]

1. PATENTABILITY—ALLOWED CLAIMS AS MEASURE OF PATENTABILITY OF REJECTED CLAIMS.
"Action of the Commissioner on allowed claims is not to be taken as a conclusive measure of the patentability of rejected claims. Patentability of the latter must be determined ultimately by comparison with the prior art. • • • But • • • in connection with such other items of evidence as may be relevant, the action of the Commissioner on allowed claims can be taken into consideration in determining the patentability of rejected claims. • • • what persuasive value should be given to the action of the Commissioner in respect of allowed claims is a matter which must be determined in each case on its own facts."

2. SAME—VALVE.
Certain claims to a valve *Held* properly rejected as not patentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Lester B. Clark (*Messrs. Emmett L. Sheehan, Jesse R. Stone* and *Ray L. Smith* of counsel) for Sharp.

Mr. W. W. Cochran for the Commissioner of Patents.

Before STEPHENS, MILLER and VINSON, Associate Justices

STEPHENS, *A. J.*:

This is an appeal from an order of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill of complaint filed by the appellant Sharp under Rev. Stat. § 4915, as amended. The appellant sought a decree authorizing the appellee, Commissioner of Patents, to issue a patent upon application No. 473,087, for an improved valve for pumps. Claims Nos. 23, 25, 26, 28, and 29 were rejected by the Examiner and the Board of Appeals and by the Commissioner as lacking invention over specified prior art, to wit, Biedermann, No. 1,530,924, Eastwood, No. 827,716, Hickerson, No. 1,785,259, MacClatchie, No. 1,882,433, and Ginaca, No. 666,245. The trial court held that these claims were not patentable over the prior art, specifying particularly Eastwood, Biedermann and MacClatchie. On this appeal the Commissioner urges Biedermann, Eastwood, Hickerson and MacClatchie. Nothing is said of Ginaca. The rejected claims read as follows:

23. In a high pressure pump, a pump body, a valve ring mounted therein, a valve including a stem, a valve gasket, and means to clamp said gasket upon said stem, a seat for said gasket on said ring, and means removably mounted (upon said valve ring) and formed of hard wear resisting material to receive the shock of the closing of the valve and hold said gasket from pounding against said seat.

25. In a high pressure pump, a body, a valve ring mounted therein, an inner downwardly-tapered seat on said ring, a valve stem, clamping plates on said stem, a gasket between said plates and having a downwardly tapered outer margin to engage said seat, said margin being tapered at a more obtuse angle than said seat so that said outer margin of said gasket will first engage said seat, a stop ring of hardened wear-resisting material on said valve ring and a stop member on said stem engaging said stop ring to take the shock of closing said valve.

26. In a high pressure pump, a body, a valve ring mounted therein, an inner downwardly tapered seat on said ring, a valve stem, a valve body on said stem, a gasket mounted on said valve body and having a downwardly tapered outer margin to engage said seat, said margin being tapered at a more obtuse angle than said seat so that said outer margin of said gasket will first engage said seat, a stop ring of hardened wear-resisting material on said valve ring and a stop member on said stem engaging said stop ring to take the shock of closing said valve.

28. A valve of the character described including a seat ring, a tapered seat thereon, a valve stem, a gasket, means supporting said gasket on said stem, said gasket being tapered differently than said seat and to a thin edge to contact with said seat at the outer margin thereof before the inner margin is fully seated, and *means to stop the closing of said valve before said gasket contacts fully with said seat except at its outer margin.* [Italics supplied.]

29. A valve including a body, a packing gasket carried thereby and having a thin flexible edge, a seat on which said gasket is adapted to seal, and *means to stop the closing of said valve before said gasket contacts fully with said seat except along its outer margin.* [Italics supplied.]

The ultimate question in the case is whether the trial court erred in holding that these claims do not define invention. There is no dispute as to utility.

Seven claims of the application were allowed by the Commissioner. Five of these, to wit, Nos. 2, 21, 22, 24, and 27, contain a limitation, italicized below, substantially identical with that also italicized in rejected claims 28 and 29 above. Of the five allowed claims referred to, No. 27, reading as follows, is typical:

27. In a high pressure pump, a body, a valve ring supported therein, an upper steeply tapered seat on said ring, a valve stem, valve plates thereon, a packing gasket between said plates and projecting above said seat, the lower margin of said gasket being tapered more obtusely than said seat, a removable stop member on said valve ring, and means formed to move with said valve stem and rigidly connected therewith to engage said stop member and *adapted to limit the closing movement of said valve before said gasket fully seals upon said ring and with the outer edge only in contact with said seat and take the shock of closing from said gasket before said valve is sealed.* [Italics supplied.]

The other four are printed in the margin.[1]

[1] 2. A valve including a seat ring, a seat thereon tapered downwardly and inwardly, a supporting guide member, a removable guide bushing in said guide, a valve stem slidable in said bushing, upper and lower plates on said stem, a nut to clamp said plates together, said nut being adapted to seat on said bushing, and a flexible packing gasket between said plates adapted to contact with said seat, *said gasket being tapered on its outer margin at a steeper angle than said seat, whereby it contacts with said seat on the outer margin first when said nut seats on said bushing.* [Italics supplied.]

21. A pump valve including a valve ring adapted to be supported in a pump body, a downwardly and inwardly inclined seat at the upper end of said ring, a valve stem, upper and lower valve plates thereon formed to pass through said ring, a downwardly tapered packing gasket between said plates, said gasket being of greater diameter than said plates to project above said seat, *and removable wear-resisting stop means to stop the closing movement of said valve before said gasket seals upon said seat, whereby the fluid pressure above said gasket will act to then force the same into sealing engagement.* [Italics supplied.]

22. A pump valve including a valve ring adapted to be supported in a pump body, a seat at the upper end of said ring, a valve stem, upper and lower valve plates thereon formed to pass through said ring, a packing gasket between said plates, said gasket being of greater diameter than said plates to project above said seat, but fitting entirely within the contour of said seat when closed, *and removable wear-resisting stop means supported upon said valve ring to stop the closing movement of said valve before said gasket is forced by said plates upon said seat, said stop means acting to take the wear of closing of the valve and to prevent pounding of said gasket on said seat.* [Italics supplied.]

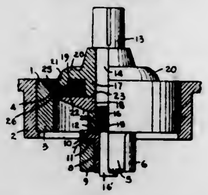
24. In a high pressure pump, a body, a valve ring mounted therein, an inner downwardly tapered seat on said ring, a valve stem, clamping plates on said stem, a gasket between said plates and having a downwardly tapered outer margin to engage entirely within said seat, *said margin being tapered at a more obtuse angle than said seat so that said outer margin of said gasket will first engage said seat, and means on said valve ring to stop said valve with the outer edge only of said gasket engaging said seat.* [Italics supplied.]

Incidental to determination of the correctness of the ruling of the trial court in respect of the rejected claims is the question whether or not a court in passing upon the patentability of such claims may use allowed claims as a measure of patentability. On this question this case was reheard on October 13, 1941, having been consolidated for that purpose with No. 7374, *Dyer* v. *Coe*, and No. 7533, *Minnesota Mining & Manufacturing Company* v. *Coe*.

At the trial the Commissioner introduced in evidence the record in the Patent Office. Expert testimony was introduced for the appellant. From the record including the testimony, and from the briefs, the following appears: The type of valve which is the subject of the appellant's application is especially adapted for use in slush pumps, employed in connection with the drilling of deep oil wells, to force a prepared slush, or mud, down the drill pipe, out through the cutting bit, and then up the well bore on the outside of the pipe. This slush, which is of greater specific gravity than the earth being penetrated, acts to prevent the same from caving into the well bore. It also cools the bit and carries away the cuttings. On discharge from the bore the slush flows into a settling basin, and when the cuttings have settled out is again forced by the pump back into the drill pipe. For efficiency the valves must be sealed against leakage by the use of a flexible material such as rubber. To stop the valve a hard wear resisting material such as steel is used. Because of the high specific gravity of the slush and of the large quantity of slush required in wells of great depth, the valves in slush pumps are subjected to extreme pressure. As a result of this and of the abrasive action of the slush, the sealing part of the valves quickly wore out. On this account it was necessary to repair valves frequently. This had become one of the major expenses of drilling. The appellant's improvement solved the problem thus existing in the art.

The appellant's application discloses, in terms of a drawing set forth as Illustration I, a valve stem

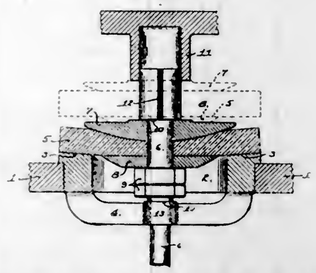
ILLUSTRATION I



13, 14, 15, 16′ carrying two clamping plates 17 and 18 which themselves confine the flexible sealing member 19, a rubber packing gasket with a beveled edge. The valve seat is the beveled edge of the support ring 3. This seating surface is beveled downward at an angle slightly different from the angle of inclination of the gasket itself and thus a small space 26 separates the lower edge of the gasket and the ring. Such valves are used as both discharge and suction valves. The one shown in Illustration I is a discharge valve. As the pump piston moves on the pressure stroke, the slush is forced out through the valve, and thus pushes against the slush previously pumped. After the piston reaches the end of this stroke and reverses direction, a suction occurs which causes the slush outside the valve to press against and close the same sharply. In closing, the valve is stopped by the contact of the nut 16 upon the shoulder 10 of the removably mounted metal wear resisting bushing 8. The arrangement of the parts in the appellant's valve is such that this occurs at the instant the outer edge of the beveled rubber gasket contacts the seat and therefore before this flexible sealing portion of the valve is completely seated. Since the shock of impact is thus borne by the wear resisting metal, the flexible material performs only the sealing function and thus escapes undue wear. The complete seal is effected after the stopping of the valve through the metal contact has taken place, the pressure of the slush against the gasket forcing the latter against the seat.

The Biedermann patent, on which the Commissioner puts its principal reliance, discloses a pump valve with a rubber member 5 which closes against an inclined seat 3. See Illustration II. There is a

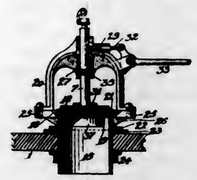
ILLUSTRATION II



metal to metal contact between the nut 9 and the abutment 13 which accomplishes stopping.

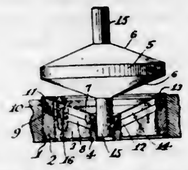
The Eastwood patent shows a flushing tank valve in which the seating surfaces of the valve 21 and seat 16 are beveled in such manner that the outer tapered edge of the valve first contacts with the seat. See Illustration III.

ILLUSTRATION III



The MacClatchie patent discloses a pump valve in which the functions of sealing and seating are both performed at the same place, to wit, the place of contact of the metal surface 6 and the surface of the stop member 12, 13, 14, also metal. See Illustration IV. The stop member 12, 13, 14 is integrated and

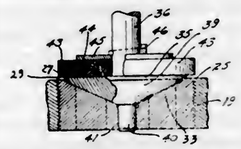
ILLUSTRATION IV



removable. Underneath it is a ring 9 made of yieldable packing material.

The Hickerson patent shows a metal valve body 39, a flexible gasket 43 carried thereby, seating and sealing surfaces 27, also of metal, and means 25 to stop the closing of the valve. See Illustration V.

ILLUSTRATION V



In Hickerson, if, on account of the introduction of grit or other foreign material, the metal to metal stop does not accomplish a complete seal, the edge of the gasket will bend over through suction and pressure into sealing engagement, at point 29.

[1] In respect of the question whether the allowed claims may be used as a measure of the patentability of the rejected claims: We are in agreement that the action of the Commissioner on allowed claims is not to be taken as a conclusive measure of the patentability of rejected claims. Patentability of the latter must be determined ultimately by comparison with the prior art. *In re Zalkind*, 118 F.(2d) 356 (C. C. P. A., 1941), 529 O. G. 511; *In re Farrand*, 49 F.(2d) 1035, 1038 (C. C. P. A., 1931), 413 O. G. 559. And see *In re Eitzen*, 86 F.(2d) 759, 760 (C. C. P. A., 1936), 478 O. G. 228. But we are also agreed that, in connection with such other items of evidence as may be relevant, the action of the Commissioner on allowed claims can be taken into consideration in determining the patentability of rejected claims. *Minnesota Mining & Manufacturing Co.* v. *Coe*, 28 F. Supp. 80, 82 (D. C. U. S. Dist. Col., 1939). And see *Cothran* v. *Coe*, 38 F. Supp. 984, 989 (D. C. U. S. Dist. Col., 1941); *Raytheon Mfg. Co. of Newton, Mass.* v. *Coe*, 68 App. D. C. 255, 257, 96 F.(2d) 527, 529 (1938), 491 O. G. 233; *In re Davis*, 77 F.(2d) 640, 643 (C. C. P. A., 1935), 461 O. G. 741. Cf. also *Poulsen* v. *Coe*, 73 App. D. C. 324, 528 O. G. 1031, 119 F.(2d) 188, 199 (1941); *Fessenden* v. *Coe*, 69 App. D. C. 193, 199, 99 F.(2d) 426, 432 (1938), 495 O. G. 707; *In re Engelhardt*, 40 F.(2d) 760, 762 (C. C. P. A., 1930), 400 O. G. 678. Contra: *In re Borden*, 68 F.(2d) 983, 984 (C. C. P. A., 1934), 444 O. G. 761. And we are agreed that what persuasive value should be given to the action of the Commissioner in respect of allowed claims is a matter which must be determined in each case on its own facts.

[2] In the instant case on the merits Justices Miller and Vinson are of the view that, giving consideration to all of the evidence relevant to the question of invention, including the action of the Commissioner on the allowed claims, the trial court did not err in rejecting claims 23, 25 and 26 as not patentable over the prior art. They think that these claims were clearly anticipated by Biedermann (Illustration II), MacClatchie (Illustration IV) and Eastwood (Illustration III). Justices Miller and Vinson are further of the view that, giving consideration to all of the evidence relevant to the question of invention, including the action of the Commissioner on the allowed claims, the trial court did not err in rejecting claims 28 and 29 as not patentable over the prior art. In respect of claims 28 and 29 Justices Miller and Vinson state their views as follows: The question of patentability was answered in the negative by the Examiner and the Board of Appeals in the Patent Office. The applicant comes into the district court under Rev. Stat. § 4915 for an independent hearing. He introduced, as he is permitted to do under the statute, evidence additional to that offered in the Patent Office. If the rejected claims are held to be patentable the Patent Office is told to issue a patent. Are these claims patentable? That was the question in the district court. It answered in the negative. The question here then

"is not whether in our opinion there was invention, but whether the finding that there was none is consistent with the evidence, or, what is the same thing, is 'supported by the evidence.'"[1]

This court through the years has repeatedly held that in cases in which the Patent Office and the district court agree as to claims being unpatentable, we will not reverse unless clear error is shown. We adhere to that well settled position, and, in so doing, we do not in any way abdicate our appellate function. It is the opinion of the majority that the record before us does not show clear error, or error at all, in respect of claims 28 and 29.

When claims 28 and 29 leave the high pressure field and enter the low pressure field, they are immediately confronted with existing inventions and disclosures in the entire valve structure field. We do not possess the doubt expressed by our brother Stephens that these claims are in the high pressure field.[2]

In the low pressure valve structure field Eastwood (Illustration III) clearly anticipates the beveled or inclined surface of the valve seat in such manner so that the outer tapered edge of the valve gasket first contacts with the seat. The Board of Appeals in the Patent Office was of the opinion that claims 28 and 29 read directly upon the patent of Eastwood, except for the stop feature. Here is where Biedermann (Illustration II), and Hickerson (Illustration V) enter the picture. They anticipate the stop. As a matter of fact, it is common knowledge in the

[1] *Minnesota Mining & Mfg. Co.* v. *Coe*, 118 F.(2d) 593, 594; *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449.

[2] The Board of Appeals of the Patent Office found that claims 28 and 29 "are not limited to a high pressure pump valve; instead they are directed to valve structure, broadly." (R. 78.)

valve structure field generally that the stopping of the valve is an ordinary, yet important and necessary function.

The district court in its conclusions of law found:

2. It was not invention to taper the outer margin of the valve member of the Biedermann patent downwardly at an angle more obtuse than the angle of inclination of the seat member in view of the teaching of the Eastwood patent.

and

3. It was not invention to provide means in the structure shown in the Eastwood patent to stop the closing of the valve before the gasket fully contacts with the seat, except at its outer margin.

We conclude that no reason is shown whatever for extending the Sharp apparatus to the low pressure field, or for allowing any claims which are broad enough to apply to the low pressure field. If the Patent Office erred in allowing a claim or claims which did have such application we can see no reason therein for upsetting the decision of the district court as to claims 28 and 29, or either of them. Neither the Examiner nor the Board of Appeals in the Patent Office, nor the district judge, discussed the allowed claims. We are of opinion that the district court did not err in its action.

My own views in respect of the ruling of the trial court on the five claims in question are as follows: That aspect of the construction and adjustment of parts in the appellant's valve as a result of which, as above explained, the valve is stopped on the suction stroke by the contact of the metal parts at the instant the outer edge of the gasket contacts the seat and before complete seating, with the result of avoiding undue wear upon the gasket, is not shown in any of the references. According to the undisputed testimony in the trial court it is this advance over the prior art which proved useful and which resulted in commercial success. It is this aspect of the device which is described in the italicized portion of allowed claim 27 printed in the text above, and in each of allowed claims 2, 21, 22 and 24 printed in the margin above.[4] The trial court in conclusion of law 3 held that it was not invention to provide this means of avoiding undue wear upon the gasket.[5] I think that in this respect the trial court was clearly wrong. In my view this aspect of the appellant's valve is an inventive modification of or step beyond the prior art. If modification of the prior art, even though not great, nevertheless, as the last step taken accomplishes a new and useful result, and solves a problem which has beset the art and achieves commercial success, this, under substantial authority, is strong evidence of invention. *Hibel Process Co.* v. *Paper Co.*, 261 U. S. 45 (1923), 310 O. G. 3; *Minerals Separation, Ltd.*, v. *Hyde*, 242 U. S. 261 (1916), 234 O. G. 1311. Indeed, the brief of the Commissioner on this appeal recognizes this particular aspect of the appellant's device as critical on the question of invention by justifying the rejection by the trial court and the Commissioner of claims 23, 25, 26, 28 and 29 upon the ground that the valve as described therein did not possess this differentiation.[6]

I think claims 23, 25 and 26 were properly held not patentable over the prior art because, as an examination of these claims will demonstrate, they do not describe this particular advance and therefore, particularizing: Since claim 23 lacks this critical differentiation it distinguishes from Biedermann (Illustration II) only in reciting that the abutment member 8 is formed of hard wear resisting material and is removably mounted. I agree with the point of view expressed in the Commissioner's brief that the member 13 of Biedermann was probably sufficiently wear resisting to perform its intended function of stopping the valve, and that no patentable advance is involved in the removable feature. The MacClatchie device (Illustration IV) discloses a removable stop member 12, 13 and 14 and describes it as being made of suitable wear resisting material. Claims 25 and 26, absent the critical advance, add nothing to Biedermann except the element of the beveled edge of the rubber gasket. This feature is suggested by Eastwood (Illustration III) in which the valve member 21 is tapered to a thin edge. I think that in view of this suggestion in the Eastwood patent, it did not require invention to modify Biedermann so as to reach the structure described in claims 25 and 26.

In respect of claims 28 and 29: Examination of the italicized portion of these two claims will demonstrate that they do contain the critical limitation which I have described. If this is, as I think, an inventive advance over the prior art and therefore properly made patentable the five allowed claims in which it is defined, then it is a valid criterion of invention for all of the claims in which it is described. It thus follows, in my view, that claims 28 and 29 must clearly have been held allowable, unless

[4] This aspect of the appellant's device is not described in allowed claims 3 and 4. Why they were granted does not appear. These claims read as follows:

"3. A valve including a seat ring, a seat thereon tapered downwardly and inwardly, a supporting guide member, a removable guide bushing in said guide, a valve stem slidable in said bushing, upper and lower plates on said stem, a nut to clamp said plates together adapted to seat on said bushing, shock absorbing means on said support for said bushing, and a flexible packing gasket between said plates adapted to contact with said seat.

"4. A valve including a seat ring, a seat thereon tapered downwardly and inwardly, a supporting guide on said ring, a removable guide bushing in said guide, an outwardly sloping upper end on said bushing, a valve stem slidable in said bushing, upper and lower plates on said stem, a nut to clamp said plates together adapted to seat on said bushing, shock absorbing means on said support for said bushing, and a flexible packing gasket between said plates adapted to contact with said seat."

[5] Conclusion of law 3 reads as follows: "It was not invention to provide means in the structure shown in the Eastwood patent to stop the closing of the valve before the gasket fully contacts with the seat, except at its outer margin."

[6] The Commissioner's brief states: "Upon comparing the two sets of claims it will be found that *each of the rejected claims* lacks one or more limitations which are recited in the allowed claims. For example, rejected claim 23 omits limitation (*g*) of allowed claim 21, limitations (*f*) and (*g*) of allowed claim 22, limitations (*g*) and (*i*) of allowed claim 24, and limitation (*i*) of allowed claim 27." [Italics supplied.] (The lettered references are to lettered paragraphs into which the rejected claims and the allowed claims were divided in the appellant's brief for the purpose of comparison.) An examination of these limitations shows that within them is contained the advance described in the italicized portion of allowed claims 2, 21, 22, 24 and 27, which claims the Commissioner held inventive over the prior art. These five claims were not, so far as the record shows, allowed because the Commissioner considered them to possess any other differentiation over the prior art.

I demonstrate in the text below that the statement in the Commissioner's brief that "each of the rejected claims" lacks the modification of the prior art under present discussion is incorrect in respect of claims 28 and 29.

rejected for mere multiplicity. But this was not the basis of their rejection. The Commissioner, however, in his brief on appeal attacks these two claims by asserting that they are drawn broadly enough to cover valves in general rather than merely valves for pumps, and contends that they are therefore met by Eastwood (Illustration III), except for the means in the appellant's device to stop the valve by contact of the metal parts at the instant the outer edge of the gasket contacts the seat and before complete seating.[7] It is to be noted in passing that this assertion as to the breadth of the claims is not correct in respect of claim 28 for it reads "a valve of the character described," i. e., described in the previous claim, to wit, claim 27, which itself defines a valve "in a high pressure pump."[8] But assuming that both claims 28 and 29 are drawn broadly enough to cover valves in general rather than merely valves for pumps, I cannot agree with the contention that they are met by Eastwood except for the means in the appellant's device to stop the valve at the moment the outer edge of the gasket contacts the seat. In this exception lies the very differentiation over the prior art which is in my view inventive over all of the references relied upon, including Eastwood, which, it is to be noted, is much less close to the appellant's structure than Biedermann (Illustration II). The mere fact that claims 28 and 29 relate to a broader art than the other rejected claims cannot, I think, defeat them, unless in the broader art there is anticipation, or unless in the broader art they lack utility—and it is not asserted that they lack utility.

"The use for which a device is intended is not the measure of a patentee's right. He may ordinarily claim every use to which the product can be applied, irrespective of whether he had it in mind at the time he made the invention."

Deitel v. *La Minuette Trading Co.*, 37 F.(2d) 41, 42 (C. C. A. 2nd, 1930). Against claim 29 the Commissioner's brief also urges Hickerson (Illustration V). But, again, Hickerson lacks the particular limitation which is, as I see it, determinative of invention. Hickerson can therefore no more anticipate claim 29 than could Eastwood and Biedermann. This is made evident by an examination of the drawings of Hickerson, Biedermann and the appellant above set forth. In Biedermann the gasket fully contacts the seat before the metal to metal stop occurs; in Hickerson complete metal to metal contact is made before the gasket contacts at all. I therefore think that there was clear error in the ruling of the trial court that claims 28 and 29 are not patentable.

In summary: Justice Miller, Justice Vinson and I all agree that claims 23, 25 and 26 were properly held not patentable; Justices Miller and Vinson conclude also that claims 28 and 29 were properly held not patentable; in my view there was error in holding claims 28 and 29 not patentable.

In accordance with the foregoing the judgment of the trial court is affirmed.

[7] The Examiner thought that Eastwood did have a means other than the flexible gasket 21 for stopping the valve. But the Board of Appeals recognized that this was not correct, saying: "Claims 28 and 29 are not limited to a high pressure pump valve; instead, they are directed to valve structure, broadly. These claims are deemed to read directly upon the patent to Eastwood *except for the stop feature*." [Italics supplied.]

[8] As do also claims 26, 25, 24 and 23.

U. S. Court of Appeals for the District of Columbia

MINNESOTA MINING & MANUFACTURING CO.

v.

COE, COMMISSIONER OF PATENTS

No. 7,533. Decided December 22, 1941

[— F.(2d) —]

1. SUIT UNDER SECTION 4915 R. S.—FINDINGS ON INVENTION AND PATENTABILITY.

Findings on invention and patentability, and underlying findings which support them, are findings of fact and not conclusions of law.

2. SAME—SUFFICIENCY OF FINDINGS.

"The court did not make a finding concerning novelty, though appellant urged it to do so; but it considered novelty in making its decision. While an express finding on the point might well have been made, omission to make it did not affect the result and is not reversible error. It is enough that the findings, taken together, give us 'a clear understanding of the basis of the decision.'"

3. PATENTABILITY—SANDPAPER.

Certain claims relating to sandpaper bonded with particular alkyd resins *Held* properly denied to appellant.

4. SAME—ALLOWED CLAIMS AS MEASURE OF PATENTABILITE OF REJECTED CLAIMS.

"The action of the Commissioner on allowed claims is not a conclusive measure of the patentability of rejected claims. Patentability of the latter must be determined ultimately by comparison with the prior art, although the Commissioner's action on allowed claims may be taken into consideration, together with other relevant evidence, in determining the patentability of rejected claims."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Harold J. Kinney (*Mr. Charles S. Grindle* of counsel) for Minnesota Mining & Manufacturing Co.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and VINSON, and EDGERTON, Associate Justices

EDGERTON, *A. J.:*

This is a suit under R. S. § 4915, 35 U. S. C. § 63, to obtain a patent on an abrasive article in the nature of sandpaper. On the court's own motion the case was reheard on October 13, 1941, together with No. 7400, *Sharp* v. *Coe*, and No. 7374, *Dyer* v. *Coe*, upon the question, common to all three cases, whether a court in passing upon the patentability of claims rejected by the Patent Office may use allowed claims as a measure of patentability. This question was reargued, and briefs thereon were presented, before Justices Vinson, Edgerton and Rutledge. After the rehearing it was stipulated that the question might be submitted to Chief Justice Groner, who had sat in the original argument. Justice Rutledge did not participate in the decision.

The claims are those of the Guth application, No. 347,159, filed March 14, 1929. They relate to sandpaper bonded with a particular type of synthetic

resin, especially a particular type of alkyd resin resulting from the interaction or condensation of three reactants. Two of the claims are further specific in regard to the binder, in that they call for a resinified or condensation product of a phenol and an aldehyde in admixture with a polybasic acid such as phthalic anhydride and a polyhydric alcohol such as glycerine. Five related and overlapping claims were allowed by the Patent Office, and several other claims were abandoned. The appealed claims were held by the Patent Office and the district court to lack invention. Appellee concedes novelty and commercial success, and does not deny utility.

[1] [2] The court found that sandpaper made in accordance with the appealed claims has had large commercial success. Appellant requested an express finding concerning utility, and complains that none was made; but it recognized, both at the trial and here, that utility had, in effect, been found. The court found as conclusions of law that the appealed claims were not inventive or patentable over the references. Strictly, these are findings of fact, and should be made as such, in accordance with rule 52(*a*) of the Rules of Civil Procedure. The common practice of designating findings on invention and patentability, and underlying findings which support them, as conclusions of law is erroneous.[1] But the error here was a formal one, and did appellant no harm; moreover, it was not called to the attention of the district court. For these reasons, we do not think it necessary or useful to remand the case. The court did not make a finding concerning novelty, though appellant urged it to do so; but it considered novelty in making its decision. While an express finding on the point might well have been made, omission to make it did not affect the result and is not reversible error. It is enough that the findings, taken together, give us "a clear understanding of the basis of the decision."[2]

[3] [4] Appellant concedes that Weber Patent No. 1,690,515, Strafford Patent No. 1,977,652, and Adams Patent No. 1,898,874, while they do not refer specifically to sandpaper, disclose the resinous composition which is described in several of the appealed claims. Taking into consideration everything which appellant asks us to take into consideration, including the relation between the appealed claims, certain allowed claims, and certain claims of Guth Patent No. 2,202,765 and other patents, we cannot say that it was clearly inventive to substitute the resinous composition of Weber, etc., or the more specific compositions disclosed in the other appealed claims, for the resinous bonds which had previously been used in sandpaper. As we ruled in *Sharp* v. *Coe*, decided this day, the action of the Commissioner on allowed claims is not a conclusive measure of the patentability of rejected claims. Patentability of the latter must be determined ultimately by comparison with the prior art, although the Commissioner's action on allowed claims may be taken into consideration, together with other relevant evidence, in determining the patentability of rejected claims. It follows that we must affirm.[3] This makes it unnecessary to rule upon appellee's motion to strike parts of appellant's brief.

Affirmed.

[1] *United States* v. *Esnault-Pelterie*, 299 U. S. 201.
[2] *Shellman* v. *Shellman*, 68 App. D. C. 197, 198, 95 F.(2d) 108; *Societe Suisse, etc.*, v. *Cummings*, 69 App. D. C. 154, 156, 99 F.(2d) 387; *Goodacre* v. *Panagopoulos*, 72 App. D. C. 25, 27, 110 F.(2d) 716.

[3] *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449.

U. S. Court of Appeals for the District of Columbia

THE AKRON STANDARD MOLD COMPANY ET AL.

v.

COE, COMMISSIONER OF PATENTS

No. 7,806. Decided January 12, 1942

[— F.(2d) —]

PATENTABILITY—NEW MATTER—TIRE MOLDING AND VULCANIZING PRESS.

Judgment of the district court that certain claims to a tire molding and vulcanizing press were properly rejected as finding no basis in the original disclosure of the application, affirmed.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Albert R. Teare (*Mr. Donald A. Gardiner* of counsel) for The Akron Standard Mold Company et al.

Mr. W. W. Cochran (*Mr. Edwin L. Reynolds* of counsel) for the Commissioner.

Before MILLER, EDGERTON and RUTLEDGE, Associate Justices

PER CURIAM:

In our opinion, appellant has failed, on this appeal, to demonstrate that the findings of the district court are wrong,[1] or to overcome the presumption of correctness which follows the decision of the Patent Office.[2]

Affirmed.

[1] *Abbott* v. *Coe*, 71 App. D. C. 195, 197, 109 F.(2d) 449, 451, 512 O. G. 3.
[2] *Standard Cap & Seal Corp.* v. *Coe*, (No. 7664, decided November 27, 1941) App. D. C. —, — F.(2d) —.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JANUARY, 1942

TORINO VERMOUTH, INC., v. RICHARD GOTTARDI, Trade-Mark Interference No. 3214.

In a decision rendered January 6, 1942 (163 Ms. Dec. 877, 52 U. S. P. Q. 182), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences adjudging Richard Gottardi, of New York, N. Y., the senior party to this interference, not entitled to be granted registration on his application for a trade-mark comprising his surname and containing his facsimile signature. The Examiner had dissolved the interference and adjudged that neither party was entitled to the registration for which the applications were filed. Since the junior party, Torino Vermouth, Inc., of New York, N. Y., took no appeal, the Assistant Commissioner held that the appeal of the senior party was not concerned with the dissolution of the interference.

Before the Assistant Commissioner, the senior party contended that he entered into a joint venture with the junior party for the manufacture and sale of vermouth; that the trade-mark in issue was adopted and used by the joint venture in interstate commerce; that the trade-mark was his sole property; that said adoption and use of the mark inured as a matter of law to his benefit as the owner of the mark; and that he never bestowed the ownership of said mark upon the junior party.

In refusing to accept the contentions of the senior party, the Assistant Commissioner said:

"The fact that the understanding between the parties was not expressed in writing makes it difficult to determine exactly what it was, particularly as the parties are not now in agreement. The senior party states he was a partner with the junior party company in the business of manufacturing and selling vermouth as a joint venture between them with the understanding that he would be made a stockholder and officer of the junior party at a fixed salary. The secretary of the junior party, and with whom the senior party had the understanding, states that the senior party was merely a salesman for the junior party company on a commission basis and the matter of the senior party's acquiring an interest in the junior party company was never mentioned between them.

"It is my conclusion from a review of the entire record that the senior party's connection with the junior party was to promote the junior party's vermouth and wine business and to secure orders for the junior party's products. It appears he expected to receive one-third of the net profits derived from the sales of vermouth. This I consider in the nature of commission based on sales. Also he received five, and sometimes ten percent commission on orders he secured for the junior party's wines. Further it seems that in consideration for giving the junior party the vermouth formula and permission to use his name as a trade-mark and a sum of money he expected to receive some stock of the company and be made an officer thereof.

"In my opinion the association between the parties was not such as can result in the use of the mark by the junior party inuring to the benefit of the senior party or to establish such use of the mark by the senior party as permits registration thereof by him. The business in connection with which the trade-mark was used was solely that of the junior party and it seems to me that the senior party's conduct and activities amounted in purpose and effect to a deliberate attempt to become employed by the junior party at a fixed salary and to be made an officer of and stockholder in the company rather than to engage in a partnership or joint venture with the junior party. Furthermore it does not appear that the senior party has used the mark in any business since he severed relations with the junior party. Irrespective of what sort of ownership the senior party may have in his personal name his lack of trade-mark use of the mark requires that registration be refused on his application."

WEST DISINFECTING COMPANY v. G. E. HARRIS, Cancellation No. 3743.

On January 9, 1942 (163 Ms. Dec. 879, 52 U. S. P. Q. 183), *First Assistant Commissioner Frazer* denied a motion by G. E. Harris, of Los Angeles, Calif., respecting his appeal from the decision of the Examiner of Trade-Mark Interferences sustaining the petition of West Disinfecting Company, of Long Island City, N. Y., to cancel trade-mark registration No. 335,244, issued May 26, 1936, under the provisions of the act of March 19, 1920, to said Harris.

In his decision, rendered November 6, 1941, the Examiner fixed December 6, 1941, as the limit of appeal therefrom. Harris filed an appeal on December 8, but did not pay the appeal fee until December 17. By his motion, Harris sought an extension of time, nunc pro tunc, to protect his tardy appeal.

The First Assistant Commissioner concluded that the showing in support of the motion did not warrant the extraordinary relief sought. He stated that such a motion should be supported by a very compelling showing, and that the showing presented was grossly insufficient. In setting forth the facts of the case he said:

"The envelope in which the appeal was mailed to the Patent Office bears a Los Angeles postmark of December 2 at 2 p. m. Conceivably it could have reached Washington on December 6, but by the simple expedient of affixing an air mail stamp timely delivery would have been insured. Moreover, the only reasons given for waiting until so late a date to forward the appeal are that 'the party Harris was out of the city of Los Angeles, California, and did not return until the second day of December, 1941,' and that 'his attorney was unable to prepare appeal until authorized by Harris to do so.' How long Mr. Harris had been away is not stated, nor is there any explanation of his failure to give the necessary authority before leaving. There may have been an acceptable excuse for omitting payment of the fee within time, but that does not cure the lateness of the appeal."

DWINELL-WRIGHT COMPANY v. NATIONAL FRUIT PRODUCT COMPANY, INC., Cancellation No. 3929.

On January 12, 1942 (163 Ms. Dec. 880, 52 U. S. P. Q. 184), *Assistant Commissioner Van Arsdale* granted a petition by Dwinell-Wright Company, of Boston, Mass., the petitioner for cancellation of several registrations granted to the respondent, National Fruit Product Company, Inc., of Winchester, Virginia, wherein the petitioner prayed that the Commissioner exercise his supervisory authority and vacate the stay of proceedings granted by the Examiner of Trade-Mark Interferences. The Assistant Commissioner made reference to an equity suit between petitioner and

respondent, and to the petition for cancellation, as follows:

"In July 1941, respondent filed equity suit against petitioner for infringement of several of respondent's registered trade-marks, and for unfair competition. Petitioner filed answer and counterclaimed, alleging infringement by respondent of three of petitioner's registered trade-marks. The marks of all the registrations consist of the words 'White House' either alone or in association with a picture of the executive mansion. Respondent charges infringement of all its registered marks by the use by petitioner of its mark 'White House' for orange and grapefruit juice (no registration therefor asserted), and petitioner charges infringement of all three of its registered marks by the use by respondent of respondent's registered marks on the goods named in these registrations.

"After issue was joined in the equity suit petitioner, the defendant in that suit, filed petition to cancel all of the registrations which respondent herein asserted in the equity suit to be infringed by the petitioner herein, basing the petition for cancellation on the registrations asserted in its counterclaim and use of the marks of those registrations on the goods named therein. Thus the petition for cancellation in effect alleges that in view of the said registrations and uses of the marks by petitioner the Patent Office erred in granting respondent the registrations now sought to be cancelled and that the registrations should have been refused and that they are invalid."

In concluding that the cancellation proceeding should not be stayed pending the termination of the equity suit, the Assistant Commissioner said:

"If in fact the registrations were improvidently granted and instead should have been refused because the marks were not registrable to respondent at the time the applications for registration were filed, it seems to me the sooner the mistake of the Patent Office is rectified the better, not only in the interest of justice to those whom the registrations may be affecting adversely but also to correct the register without undue delay.

"In my opinion, since the registrations issued as a result of decisions of a Patent Office tribunal these decisions should be reviewed by the Patent Office tribunals when challenged through a proper proceeding, for instance, this cancellation proceeding which is authorized by the statutes. Sec. 13, act of February 20, 1905. Furthermore, cancellation of the registrations would not deprive respondent of such common law rights in the marks as respondent may possess and registrations are not necessarily essential to supporting a suit for unfair competition. In the equity suit cancellation of the registrations is not prayed for."

MODERN DIET PRODUCTS, INC., *v.* AL. MASSERA, Opposition No. 19,419.

In a decision rendered January 15, 1942 (163 Ms. Dec. 882, 52 U. S. P. Q. 261), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the notice of opposition by Modern Diet Products, Inc., of Milwaukee, Wis., to the application of Al. Massera, of Watsonville, Calif., for registration of the words "Swiss Miss" for fresh vegetables.

The opposition was based on prior use by opposer of the mark "Swiss Kriss" for a laxative compounded of herbs and vegetables and on the prior registration of the mark "New Swiss Kriss" for the same product.

In agreeing with the Examiner that fresh vegetables and herbal laxative are goods of not the same descriptive properties, the Assistant Commissioner said:

"The word 'laxative' has a medicinal meaning. It is defined in Webster's New International Dictionary, second edition, 1940, as 'a laxative medicine'. Opposer points out that under the stipulated facts, opposer's laxative is an herbal preparation of vegetable origin, is sold in certain food stores where fresh vegetables are sold and has been featured by lecturers in connection with dissertations on the dietary values of vegetables. Even so, it is my opinion that purchasers would classify the herbal laxative as a medicine and would not classify fresh vegetables as medicines. Nor do I consider the fact that applicant deals in fresh vegetables would be likely to lead purchasers to believe applicant also deals in herbal, or other, laxatives. The goods appear to me to be so dissimilar in character that the concurrent use of the marks on the respective goods would not be likely to cause confusion or result in mistake or deception of purchasers.

"Were the goods of the same descriptive properties I would say that the marks of the parties are so similar that likelihood of confusion would exist, but in my opinion the goods are not of the same descriptive properties. This requires the notice of opposition to be dismissed. *Mulhens & Kropff, Inc.*, v. *Onnen*, 17 C. C. P. A. 831, 37 F.(2d) 435, 394 O. G. 9."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 24, 1942

[VOL. 535. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 448,135. GODCHAUX SUGARS, INC., New Orleans, La. Filed Oct. 27, 1941.

CANITE

FOR PLASTIC MOLDING COMPOUNDS IN POWDERED FORM.

Claims use since Sept. 30, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 449,336. BELT MODES, INC., New York, N. Y. Filed Dec. 10, 1941.

COLLEGE CLASSICS

FOR LADIES' HANDBAGS.

Claims use since Sept. 16, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 446,048. GENERAL BRANDS CORP., New York, N. Y. Filed Aug. 7, 1941.

QUICK CLEANER CLEANS CLEAN A

The drawing is lined for red and yellow. All wording except "Pixie" is disclaimed apart from the mark.

FOR GENERAL HOUSEHOLD CLEANING AND POLISHING PREPARATION FOR TILE, CEILINGS, DOORS, LINOLEUM, STAIRS, METALS, REFRIGERATORS, PORCELAIN, MIRRORS, WINDOWS, LEATHER UPHOLSTERY, FLOORS, VENETIAN BLINDS, WOODWORK, WALLS, BATH TUBS, SINKS, AND THE LIKE.

Claims use since Mar. 22, 1941.

Ser. No. 449,859. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1941.

Avalon

FOR WALLPAPER CLEANER, GLASS CLEANER AND SOAP FLAKES.

Claims use since Mar. 22, 1932.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 439,855. BOHME FETTCHEMIE G. M. B. H., Chemnitz, Germany. Filed Jan. 22, 1941.

CAVIT

FOR WETTING, FINISHING, DYEING, WASHING, AND BLEACHING AGENTS IN THE TEXTILE AND LEATHER INDUSTRY.
Claims use since Mar. 1, 1939.

Ser. No. 440,615. ANTISEPTOL COMPANY, INC., Chicago, Ill. Filed Feb. 13, 1941.

MARVELOKS

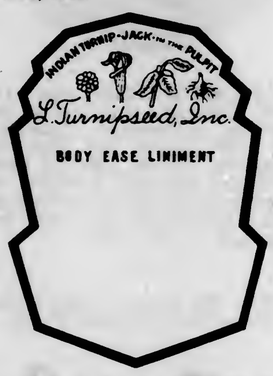
FOR PREPARATIONS FOR USE IN HAIR AND SCALP TREATMENTS—NAMELY, SHAMPOO AND CREME.
Claims use since Apr. 17, 1936.

Ser. No. 447,802. FEDERATED FOODS, INC., also doing business as Federated Foods, Chicago, Ill. Filed Oct. 15, 1941.

KLORO-KLENZ

The word "Klenz" is disclaimed apart from the mark.
FOR HOUSEHOLD BLEACH.
Claims use since May 23, 1941.

Ser. No. 447,962. L. TURNIPSEED, INC., St. Louis, Mo. Filed Oct. 20, 1941.



Applicant disclaims the words "Indian Turnip—Jack in the Pulpit" and "Body Ease Liniment" except as shown. The name "L. Turnipseed, Inc." is in the handwriting of L. Turnipseed, applicant's president.
FOR LINIMENT FOR EXTERNAL APPLICATION FOR THE RELIEF OF SORE MUSCLES, STRAINS, BRUISES, WRENCHES, ACHES AND PAINS, SUNBURN, CUTS, INSECT BITES, ITCH, ATHLETE'S FOOT, ETC.
Claims use since Sept. 2, 1941.

Ser. No. 448,331. OXFORD PRODUCTS, INC., Cleveland, Ohio. Filed Nov. 1, 1941.

TABSULE

FOR VITAMIN PREPARATIONS.
Claims use since June 2, 1941.

Ser. No. 448,532. EDWARD A. SPARE, doing business as Douglas Miller Company, Camden, N. J. Filed Nov. 10, 1941.

K-7
(KAY-SEVEN)

FOR TABLET FOR HEADACHES.
Claims use since Dec. 10, 1940.

Ser. No. 448,534. STRONG COBB & CO., INC., Cleveland, Ohio. Filed Nov. 10, 1941.



No claim is made to the words "Strong Cobb & Co." apart from the mark.
FOR VITAMIN PREPARATIONS.
Claims use since Oct. 6, 1941.

Ser. No. 448,670. CHARLOTTE CHEMICAL LABORATORIES, INC., Charlotte, N. C. Filed Nov. 15, 1941.

CHARLAB

FOR ORGANIC AMINE COMPOUND SUCH AS HIGHER FATTY ACID-ALKYLOLAMINE CONDENSATES, WHICH ARE USEFUL AS TEXTILE SOFTENING AND CLEANSING AGENTS.
Claims use since Apr. 10, 1941.

Ser. No. 448,873. MAMIE RADLEY, doing business as Mrs. J. W. Radley, Houston, Tex. Filed Nov. 24, 1941.

RADLEY'S COCCIDIOSINE

The surname "Radley's" is disclaimed apart from the mark.
FOR PREPARATION TO HELP PREVENT AND FOR USE IN THE TREATMENT OF COCCIDIOSIS IN CHICKS, AND FOR USE AS A FLUSH FOR HENS.
Claims use since Apr. 1, 1941.

Ser. No. 448,874. SCHRATZ, INC., Detroit, Mich. Filed Nov. 24, 1941.

Bathfresh

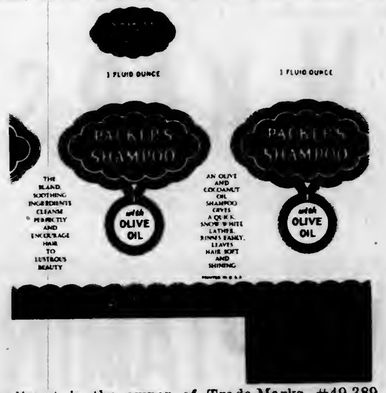
FOR BATH CRYSTALS AND OILS, WATER SOFTENING PREPARATIONS, PREPARATIONS FOR BUBBLE BATHS, AND PERFUMES.
Claims use since November, 1931.

Ser. No. 449,017. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Nov. 28, 1941.

PREMOCOL

FOR COUGH AND BRONCHIAL SYRUP.
Claims use since January, 1927.

Ser. No. 449,210. PACKERS TAR SOAP, INC., Mystic, Conn., and New York, N. Y. Filed Dec. 5, 1941.



Applicant is the owner of Trade-Marks #49,389 and 53,525 (both renewed), effected under the 10-year proviso and including the name "Packer's." All wording except "Packer's" and "Packers Tar Soap, Inc.," is disclaimed apart from the mark.
FOR SHAMPOOING PREPARATION.
Claims use since Nov. 12, 1941.

Ser. No. 449,211. PACKERS TAR SOAP, INC., Mystic, Conn., and New York, N. Y. Filed Dec. 5, 1941.



Applicant is the owner of T. M. 49,389, registered Feb. 6, 1906 (renewed), and T. M. 53,525, registered June 5, 1906 (renewed), both of which include the name "Packer's" and both effected under the 10-year proviso. All wording except "Packer's" and "Packers Tar Soap, Inc." is disclaimed apart from the mark.
FOR SHAMPOOING PREPARATION.
Claims use since Nov. 12, 1941.

Ser. No. 449,243. HERMAN STEIN, doing business as The Ondolea Company, New York, N. Y. Filed Dec. 6, 1941.

ONDOLEA

FOR HAIR WAVING AND FIXING SOLUTIONS AND SHAMPOOS.
Claims use since July 1, 1941.

Ser. No. 449,260. THE FRIGERBAR CORPORATION, Kansas City, Mo. Filed Dec. 8, 1941.



The words "Absorbs Food Odors" are disclaimed apart from the mark.
FOR AIR PURIFYING COMPOUND IN BLOCK FORM USED PARTICULARLY IN FOOD COMPARTMENTS OF REFRIGERATORS FOR ABSORBING FOOD ODORS THEREFROM.
Claims use since Oct. 28, 1941.

Ser. No. 449,329. FRANK J. RIESSER, Ft. Thomas, Ky. Filed Dec. 9, 1941.

RIESSCO

FOR OINTMENT FOR RECTAL IRRITATIONS.
Claims use since August, 1929.

Ser. No. 449,553. PINE COCO PRODUCTS INCORPORATED, Des Moines, Iowa. Filed Dec. 17, 1941.

Sheen of Youth

FOR SHAMPOOS, RINSES, AND HAIR OILS.
Claims use since July 1, 1941.

Ser. No. 449,617. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Dec. 19, 1941.

PERDIPIGEN

FOR MEDICINAL PREPARATION CONSISTING OF A COMBINATION OF PERTUSSIS VACCINE AND DIPHTHERIA TOXOID, ALUM PRECIPITATED USED FOR IMMUNIZATION AGAINST WHOOPING COUGH AND DIPHTHERIA.
Claims use since Nov. 10, 1941.

Ser. No. 449,622. FRANCES MIKE, Newark, N. J. Filed Dec. 19, 1941.

Mi-Col

FOR PASTE OR POMADE FOR TREATING THE SCALP AND AN OILY PASTE FOR APPLICATION TO THE HAIR DURING HEAT PRESSURE TREATMENT THEREOF.
Claims use since Oct. 15, 1941.

Ser. No. 449,649. MARCY LABORATORIES, INC., New York, N. Y. Filed Dec. 20, 1941.

VEROCALATE

FOR CHOLAGOGUE EVACUANT.
Claims use since Dec. 3, 1941.

Ser. No. 449,731. AMERICAN VISCOSE CORPORATION, Wilmington, Del. Filed Dec. 24, 1941.

AVCONIT

FOR CONDITIONING MEDIA FOR YARNS, THREADS, AND FILAMENTS.
Claims use since Dec. 9, 1941.

Ser. No. 449,732. AMERICAN VISCOSE CORPORATION, Wilmington, Del. Filed Dec. 24, 1941.

AVCOWEVE

FOR CONDITIONING MEDIA FOR YARNS, THREADS, AND FILAMENTS.
Claims use since Dec. 9, 1941.

Ser. No. 449,786. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 26, 1941.

BENAPLEX

FOR GENERAL TONIC.
Claims use since Dec. 4, 1940.

Ser. No. 449,800. DR. D. JAYNE & SON, INC., Philadelphia, Pa. Filed Dec. 27, 1941.

IROVITE

FOR MEDICINAL PREPARATIONS COMPRISING VITAMINS AND IRON.
Claims use since Nov. 20, 1941.

Ser. No. 449,841. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 29, 1941.

LISETTE

FOR PERFUMES, CREAM ROUGE, EYE SHADOW, ROUGE, CLEANSING CREAM, COLD CREAM, HAND LOTION, COMPLEXION CREME LOTION, ANTI-WRINKLE CREAM, FOUNDATION CREAM, TISSUE CREAM, LIP STICK, NAIL POLISH; CUTICLE OIL, CUTICLE REMOVER, SACHET, MASCARA, EYE BROW PENCIL, TALC POWDER, DUSTING POWDER, SKIN FRESHENER, ASTRINGENT, EAU DE COLOGNE, TOILET WATER, BRILLIANTINE, AND FACE POWDER.
Claims use since Sept. 22, 1941.

Ser. No. 449,876. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 31, 1941.

OPTI-KAPS

FOR VITAMIN PREPARATIONS.
Claims use since Dec. 10, 1941.

Ser. No. 449,877. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 31, 1941.

V-KAPS

FOR VITAMIN PREPARATIONS.
Claims use since Dec. 11, 1941.

Ser. No. 449,878. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 31, 1941.

VIOPTAMIN

FOR VITAMIN PREPARATIONS.
Claims use since Dec. 10, 1941.

Ser. No. 449,911. H. J. MAYER AND SONS COMPANY, Chicago, Ill. Filed Dec. 31, 1941.

GOLDEN GLOW

FOR COMPOUND OR PREPARATION FOR CURING PRESERVED MEATS, SUCH AS CORNED BEEF, PORK AND HAM OR THE LIKE.
Claims use since June 10, 1941.

Ser. No. 449,925. E. R. SQUIBB & SONS, New York, N. Y. Filed Dec. 31, 1941.

CLORARSEN

FOR ANTI-VENEREAL PREPARATIONS.
Claims use since Aug. 21, 1941.

Ser. No. 449,939. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed Jan. 1, 1942.

PRIORITE

FOR PERFUME AND TOILET WATER, FACE POWDER AND LIPSTICK.
Claims use since Dec. 27, 1941.

Ser. No. 449,940. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed Jan. 1, 1942.

RENOUVEAU

FOR PERFUME AND TOILET WATER, FACE POWDER AND LIPSTICK.
Claims use since Dec. 27, 1941.

Ser. No. 449,941. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed Jan. 1, 1942.

SYMBOLE

FOR PERFUME AND TOILET WATER, FACE POWDER AND LIPSTICK.
Claims use since Dec. 27, 1941.

Ser. No. 450,106. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Jan. 9, 1942.

DAREDEVIL

FOR LIPSTICKS, ROUGE IN CAKE FORM AND IN CREAM FORM, VANITY CASES CONTAINING ROUGE AND/OR LIPSTICKS, NAIL POLISH, COLOGNE, TALCUM POWDER, DUSTING POWDER, AND BUBBLING BATH PREPARATION.
Claims use since Aug. 11, 1939 on lipsticks, rouge and vanity cases and since Mar. 8, 1941 on nail polish; on cologne since Oct. 29, 1941; on talcum powder since Nov. 22, 1941; on dusting powder since Nov. 15, 1941; and on bubbling bath preparation since Nov. 28, 1941.

Ser. No. 450,256. MARY CHESS INC., New York, N. Y. Filed Jan. 16, 1942.

Strategy

FOR PERFUME.
Claims use since Jan. 7, 1942.

CLASS 7

CORDAGE

Ser. No. 446,384. BRITISH ROPES LIMITED, Doncaster, England. Filed Aug. 20, 1941.

SPITFIRE

FOR ROPES MADE FROM MANILA, HEMP, JUTE, SISAL, COTTON, AND SYNTHETIC MATERIALS, STRING, AND TWINE.
Claims use since 1940.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 447,513. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.

Pendec

No claim is made to the representation of the tag and string attached thereto apart from the mark.
FOR CIGAR AND CIGARETTE BOXES, TRAYS AND STANDS.
Claims use since Jan. 1, 1940.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 433,982. JOHN P. NISSEN, JR., doing business as John P. Nissen, Jr., Co., Wyncote, Pa. Filed July 15, 1940.

WIN-COTE

The word "Cote" is disclaimed apart from the mark.
FOR TEXTILE PRINTING COLORS—I. E., INK-LIKE MATERIAL COMPRISING A VEHICLE AND A PIGMENT FOR PRINTING COLORED DESIGNS UPON TEXTILES.
Claims use since June 20, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 440,605. MASTIC ASPHALT CORPORATION, South Bend, Ind. Filed Feb. 12, 1941.

INSELSTONE

FOR BUILDING SIDING MATERIAL.
Claims use since Jan. 31, 1941.

Ser. No. 447,031. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Sept. 13, 1941.



FOR CELLULAR STEEL BEAM UNITS FOR BUILDING PURPOSES.
Claims use since March, 1941.

Ser. No. 447,864. HENRY S. BLUMENTHAL, Jackson Heights, Long Island, N. Y. Filed Oct. 17, 1941.

"Perma-surface"

No claim is made for the word "Surface" apart from the mark.

FOR CEMENTITIOUS MATERIAL FOR SURFACING OR COATING WALLS OR FLOORS OR THE LIKE.

Claims use since Sept. 20, 1935.

Ser. No. 448,738. REYNOLDS METALS COMPANY, Richmond, Va. Filed Nov. 18, 1941.

REYN-O-LATH

The word "Lath" is disclaimed apart from the mark.

FOR PLASTER REINFORCEMENT AND PLASTER BASE.

Claims use since Aug. 25, 1941.

Ser. No. 448,764. MARATHON PAPER MILLS COMPANY, Rothschild, Wis. Filed Nov. 19, 1941.

LIGNOLITE

FOR LAMINATED BOARDS MADE FROM SHEETS BONDED WITH LIGNIN RESIN.

Claims use since Aug. 1, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 432,189. HUBBARD AND COMPANY, Emeryville, Calif. Filed May 21, 1940.

DRIVEPOINT

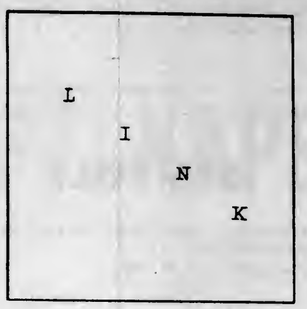
FOR POLE LINE HARDWARE—NAMELY, UP-SWEEP STREET HOOD BRACKETS TELEPHONE POLE TOP BRACKETS, CLEVISES, LAMP LEAD BRACKETS, RIDGE IRONS, ONE AND TWO BOLT ARM CLAMPS, TRANSFORMER KICK-IRON BRACKETS, POLE GAINS, GUY GUARDS AND PROTECTION STRIPS, STRAIN PLATES, GUY SHIMS, GUY AND LOAD PLATES, THREE TO ONE GUY ADAPTERS, MESSENGER DEAD ENDS, LOAD PLATES, BREAST PLATES, POLE REENFORCING BANDS, POLE STRUTS, SIDEWALK GUY ARMS, SIDEWALK GUY ARM FITTINGS, ANGLE CROSS ARM BRACES, FLAT CROSS ARM BRACES, ALLEY ARM BRACES, VERTICAL BRACES, CROSS ARM BACK BRACES, HIGHWAY CROSS OVER BRACKET, CABLE EXTENSION ARMS, CABLE RINGS, TRUSS ARMS, STREET HOOD BRACKETS, MAST ARMS, SCROLLS, GROUND ROD CLAMPS, NUTS, FLAT, SPRING, ROUND CUSHION, SPRING LOCK, AND SQUARE WASHERS, POLE BANDS, CABLE SUSPENSION CLAMPS, POLE SEATS, CABLE RACKS, CABLE RACK EXTENSIONS, CABLE DUCT SHIELDS, CROSS ARM SADDLES, CROSS ARM REENFORCING PLATES, THIMBLES, THIMBLE ADAPTERS, CENTERING WASHERS, TRIANGLE ARMS, POLE TOP FIXTURES, BO-ARROW ARMS, DOUBLE ARMING SETS, WISHBONE ARMS, TRUSS ARM FITTINGS FOR WISHBONE STRUCTURES, HORN GAPS, STRAIN YOKES, SECONDARY POLE PLATES, PIPES, BUSHINGS, REDUCERS, POLE PULLEYS.

Claims use since Feb. 6, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 449,633. AMERICAN VAPOR, INC., New York, N. Y. Filed Dec. 20, 1941.



FOR BABBITT METAL.

Claims use since Nov. 21, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 445,782. THE SCIENTIFIC OIL COMPOUNDING CO., Chicago, Ill. Filed July 30, 1941.

Q. B.

FOR COMPOUND OR COMPOSITION OF BODIED OITICICA OIL FOR USE IN PAINTS AND VARNISHES.

Claims use since June 27, 1941.

Ser. No. 447,514. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.



No claim is made to the representation of the tag and string attached thereto apart from the mark.

FOR READY-MIXED PAINTS, AND VARNISHES.

Claims use since Jan. 1, 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 449,623. PHILIP R. MYERS, New York, N. Y. Filed Dec. 19, 1941.

THREE CAPTAINS

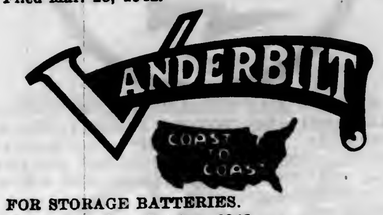
FOR CIGARS, CIGARETTES, AND SMOKING AND CHEWING TOBACCO.

Claims use since Dec. 2, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,923. READING BATTERIES INC., Temple, Pa. Filed Mar. 25, 1941.



FOR STORAGE BATTERIES.

Claims use since October, 1940.

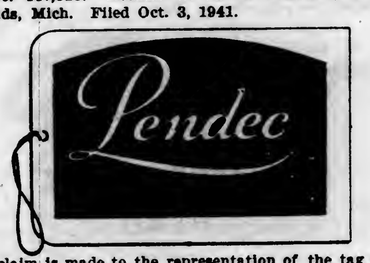
Ser. No. 445,893. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 2, 1941.

FENNO

FOR ELECTRICAL APPARATUS—NAMELY, MAGNET CORES, RELAY CORES.

Claims use since Jan. 29, 1941.

Ser. No. 447,515. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.



No claim is made to the representation of the tag and string attached thereto apart from the mark.

FOR ELECTRIC LAMPS—NAMELY, FLOOR AND TABLE LAMPS.

Claims use since Jan. 1, 1940.

Ser. No. 448,213. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Oct. 28, 1941.

MERCURYSTAT

FOR ELECTRIC REGULATORS FOR REGULATING THE EXCITATION OF DYNAMOELECTRIC MACHINES.

Claims use since Sept. 7, 1940.

Ser. No. 449,569. DURO-TEST CORPORATION, North Bergen, N. J. Filed Dec. 18, 1941.

S.V.

FOR INCANDESCENT AND FLUORESCENT LAMPS.

Claims use since Nov. 10, 1941.

Ser. No. 449,673. ELECTRO MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 22, 1941.

BOMBER

FOR FLUORESCENT LAMPS AND LIGHTING FIXTURES AND APPARATUS THEREOF.

Claims use since Apr. 1, 1940.

Ser. No. 449,853. DRIVER-HARRIS COMPANY, Harrison, N. J. Filed Dec. 30, 1941.

Filnic

FOR METALLIC WIRE AND STRIPS FOR USE FOR PARTS OF RADIO TUBES.

Claims use since Nov. 3, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 445,240. NEWTON LINE COMPANY, INC., Homer, N. Y. Filed July 10, 1941.

AIRLINE

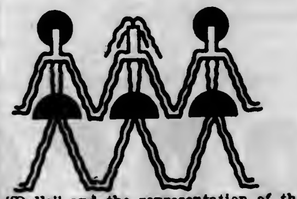
FOR FISH LINES.

Claims use since July 1, 1940.

Ser. No. 446,335. GIRDNER PROVOST, doing business as Girdner Provost Co., New York, N. Y. Filed Aug. 18, 1941.

PIPER

DOLLS



The word "Dolls" and the representation of the three dolls are disclaimed apart from the mark.

FOR DOLLS AND PRE-FORMED PARTS TO BE ASSEMBLED INTO FINISHED DOLLS, SUCH PARTS INCLUDING DOLLS' HEADS, FLEXIBLE METALLIC ELEMENTS WITH A FIBROUS COVERING TO BE

USED IN FORMING DOLLS' BODIES, AND PREFORMED BLANKS OF PAPER AND FABRIC FOR DOLLS' DRESSES.
Claims use since July 2, 1941.

Ser. No. 446,828. A. B. CHANCE COMPANY, Centralia, Mo. Filed Sept. 5, 1941.

....Victory

FOR MARBLE GAMES.
Claims use since Aug. 28, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 443,971. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed May 27, 1941.

CASCO

FOR ROTARY CUTTING AND CARVING TOOLS AND ELECTRICALLY OPERATED HAND HELD CHUCKS, OR DRIVERS THEREFOR.
Claims use since Dec. 4, 1939.

Ser. No. 445,068. ROTARY LIFT COMPANY, Memphis, Tenn. Filed July 3, 1941.

Airdraulic

FOR NON-ELECTRIC FREIGHT AND PASSENGER ELEVATORS AND AUTOMOBILE, BUS, TRUCK, AND FREIGHT LIFTS.
Claims use since July 1, 1928.

Ser. No. 449,029. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Nov. 28, 1941.

LIFELONG MUFFLER

No claim is made to the word "Muffler" apart from the mark, nor to the representation of the label per se.
FOR MUFFLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 15, 1941.

Ser. No. 449,601. A. DALKIN CO., Chicago, Ill. Filed Dec. 19, 1941.

ADCO

FOR VENDING MACHINES.
Claims use since Feb. 1, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 449,806. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Dec. 27, 1941.

RCA

FOR ELECTRICALLY OPERATED LAUNDRY WASHING MACHINES AND IRONERS, PARTS THEREOF, ATTACHMENTS THERETO AND ACCESSORIES THEREFOR, SUCH AS TUBS, WRINGERS, DRYERS, HEATING ELEMENT ASSEMBLIES, IRONER ROLLS, AND CABINETS.
Claims use since May 14, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 447,853. VICTOR ADDING MACHINE CO., Chicago, Ill. Filed Oct. 16, 1941.

Fleet

FOR ADDING AND CALCULATING MACHINES.
Claims use since Oct. 7, 1941.

Ser. No. 449,219. TINIUS OLSEN TESTING MACHINE CO., Philadelphia, Pa. Filed Dec. 5, 1941.

THE EXCLUSIVE "CHANGE-O-MATIC" HEAD

No claim is made to the expression "The exclusive head."
FOR IMPACT TESTERS.
Claims use since Oct. 29, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 425,798. LONGINES-WITTNAUER WATCH CO. INC., New York, N. Y. Filed Nov. 18, 1939.

"OBSERVATORY MOVEMENT"

Applicant disclaims the word "Movement" apart from the mark.
FOR WATCHES AND CLOCKS.
Claims use since 1921.

Ser. No. 440,945. MONTRES ROLEX S. A. (ROLEX UHREN A. G.) (ROLEX WATCH CO. LTD.), Geneva, Switzerland. Filed Feb. 24, 1941.

OYSTER PERPETUAL

The word "Perpetual" is disclaimed apart from the mark.
FOR WATCHES AND PARTS THEREOF.
Claims use since Feb. 25, 1938.

Ser. No. 449,520. HOROWITZ & SON, INC., New York, N. Y. Filed Dec. 16, 1941.

Mervos

FOR WATCHES.
Claims use since Nov. 17, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 445,942. GEORGE J. HECHT, New York, N. Y. Filed Aug. 4, 1941.

Relaxation

FOR STRINGS OF BEADS FOR PERSONAL ADORNMENT, MADE OF PLASTIC MATERIALS, GLASS, AND SEMI-PRECIOUS STONES.
Claims use since Mar. 25, 1941.

Ser. No. 446,570. GEORGE J. HECHT, New York, N. Y. Filed Aug. 27, 1941.

Fidget

FOR STRINGS OF BEADS FOR PERSONAL ADORNMENT, MADE OF PLASTIC MATERIALS, GLASS, AND SEMI-PRECIOUS STONES.
Claims use since Apr. 14, 1941.

Ser. No. 449,091. COHN & ROSENBERGER, INC., New York, N. Y. Filed Dec. 2, 1941.

DAY and NIGHT

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since January, 1938.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 443,113. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Apr. 30, 1941.

CHASE

FOR WHISK BROOMS, CLOTHES BRUSHES, AND HAIR BRUSHES.
Claims use to whisk brooms since Aug. 17, 1939; to clothes brushes since Nov. 7, 1939; and to hair brushes since Dec. 4, 1939.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 447,516. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.

Pendec

No claim is made to the representation of the tag and string attached thereto apart from the mark.
FOR CERAMIC BREAKFAST, LUNCHEON, AND DINNER DISHES.
Claims use since Jan. 1, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 447,517. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.

Pendec

No claim is made to the representation of the tag and string attached thereto apart from the mark.
FOR BEDROOM FURNITURE—NAMELY, BEDS, MATTRESSES, CHAIRS, TABLES, BUREAUS, CHIFFONIERS, DRESSING TABLES AND MIRRORS; DINING ROOM FURNITURE—NAMELY, TABLES, CHAIRS, BUFFETS, SERVING TABLES, SIDEBOARDS AND CABINETS; LIVING ROOM FURNITURE—NAMELY, SOFAS, CHAIRS, MIRRORS, BOOKCASES, SETTEES, BENCHES, SECRETARIES, CHEST AND DESKS; PORCH FURNITURE—NAMELY, CHAIRS, TABLES, BENCHES AND SETTEES; UPHOLSTERY—NAMELY, UPHOLSTERY SPRING CONSTRUCTION UNITS, STUFFING AND FILLING MATERIAL, PORTABLE ASH STANDS, COAT AND HAT STANDS AND MIRRORS.
Claims use since Jan. 1, 1940.

Ser. No. 448,745. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Nov. 18, 1941.

AVALON

FOR MATTRESSES.
Claims use since Aug. 27, 1941.

CLASS 33

GLASSWARE

Ser. No. 447,518. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.



No claim is made to the representation of the tag and the string attached thereto apart from the mark.
FOR TABLE, BAR, AND COOKING GLASSWARE, INCLUDING DRINKING GLASSES AND TUMBLERS.
Claims use since Jan. 1, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 448,473. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Nov. 8, 1941.

HUMIHEET

FOR CIRCULATING OIL, WOOD, COAL, AND GAS HEATERS.
Claims use since Aug. 15, 1941.

Ser. No. 449,784. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed Dec. 26, 1941.

Duraclad

FOR ELECTRIC AND GAS WATER HEATERS.
Claims use since May 15, 1941.

Ser. No. 449,785. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed Dec. 26, 1941.

Permaglas

FOR ELECTRIC AND GAS WATER HEATERS.
Claims use since Jan. 6, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND AND NONMETALLIC TIRES

Ser. No. 449,306. TON TEX CORPORATION, Grand Rapids, Mich. Filed Dec. 8, 1941.

VE-E-ZY

No claim is made to the word "Ve" apart from the mark.
FOR CROSS-SECTIONALLY V-SHAPED, FLAT, AND ROUND TRANSMISSION, ELEVATING, AND CONVEYING BELTING.
Claims use since Sept. 1, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 444,348. LYONS BAND INSTRUMENT COMPANY, Chicago, Ill. Filed June 9, 1941.

CHALLENGER

FOR BAND AND ORCHESTRA MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, HORNS, MELLOPHONES, BASSES, TUBAS, CLARINETS, OBOES, BASSOONS, FLUTES, PICCOLOS, SAXOPHONES, CELLOS, VIOLAS, VIOLINS, AND ACCESSORIES FOR SAID INSTRUMENTS.
Claims use since May 1, 1933.

CLASS 37

PAPER AND STATIONERY

Ser. No. 445,900. RAND MCNALLY & COMPANY, Chicago, Ill. Filed Aug. 2, 1941.

PARTICIPLAN

FOR BLANK FORMS—NAMELY, ACCOUNT CARDS FOR PERIODICAL SAVINGS ACCOUNTS.
Claims use since July 14, 1941.

Ser. No. 445,939. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Aug. 4, 1941.

Gift Suitificate

The word "Gift" is disclaimed apart from the mark.
FOR BLANK FORMS—NAMELY, GIFT CERTIFICATES SOLD AS SUCH.
Claims use since July 24, 1941.

Ser. No. 449,551. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Dec. 17, 1941.

FALLSCOAT

FOR BOOK PAPER.
Claims use since Nov. 28, 1941.

Ser. No. 449,779. PHILLIPS RIBBON & CARBON AGENCY, INC., Chicago, Ill. Filed Dec. 26, 1941.

Econ-O-Time

FOR COMBINATION CARBON AND SECOND SHEETS.
Claims use since June 1, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 445,078. ALL-AMERICAN COMICS, INC., New York, N. Y. Filed July 2, 1941.



FOR CARTOONS PUBLISHED IN A SERIES.
Claims use since May 1, 1940.

Ser. No. 445,606. BRUCE KING, doing business as Zolar, New York, N. Y. Filed July 24, 1941. Under the act of Feb. 20, 1905, as amended June 10, 1938.

ZOLAR'S

FOR PUBLICATIONS—NAMELY, HOROSCOPES, ASTROLOGICAL PREDICTIONS AND ASTROLOGICAL GUIDES ISSUED FROM TIME TO TIME.
Claims use since January, 1934.

Ser. No. 445,750. THE SAFETY LEGION OF AMERICA, Berne, Ind. Filed July 29, 1941.



FOR MAGAZINES AND CIRCULARS.
Claims use since September, 1933.

Ser. No. 447,519. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.



No claim is made to the representation of the tag and string attached thereto apart from the mark.
FOR WALL PICTURES, PAINTINGS, AND PRINTS.
Claims use since Jan. 1, 1940.

Ser. No. 448,076. DETECTIVE COMICS, INC., New York, N. Y. Filed Oct. 24, 1941.

SUPERWOMAN

FOR MAGAZINE PUBLICATION.
Claims use since Sept. 1, 1941.

Ser. No. 448,096. DETECTIVE COMICS, INC., New York, N. Y. Filed Oct. 25, 1941.

SUPERBOY

FOR MAGAZINE PUBLICATION.
Claims use since Sept. 1, 1941.

Ser. No. 448,576. THE NEWSPAPER PM, INC., Brooklyn, N. Y., assignor to Marshall Field, Lloyd's Neck, N. Y. Filed Nov. 12, 1941.



No claim is made to the words "Five Cents" or "Daily." The drawing is lined for red.
FOR DAILY NEWSPAPER.
Claims use since Oct. 20, 1941.

Ser. No. 449,229. MAX C. GAINES, New York, N. Y. Filed Dec. 6, 1941.

AMERICAN CAVALCADE

Applicant disclaims the word "American" apart from the mark.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Nov. 5, 1941.

CLASS 39

CLOTHING

Ser. No. 439,932. GEORGE J. HECHT, doing business as Children's Products Company, New York, N. Y. Filed Jan. 24, 1941.

I am a Parents' Magazine Giftland FASHION

The words "Parents' Magazine" and "Fashion" are disclaimed apart from the mark.
FOR CHILDREN'S SWEATERS AND DRESSES.
Claims use since Oct. 25, 1940.

Ser. No. 443,300. MAXWELL COOPER & CO. LIMITED, London, England. Filed May 6, 1941.

MAXLIM

FOR ARTICLES OF CLOTHING FOR WOMEN COMPRISING MATERNITY GOWNS.
Claims use since Oct. 1, 1940.

Ser. No. 443,346. SHERMAN BROS. RAINWEAR CORP., New York, N. Y. Filed May 7, 1941.

Talk O'the Teens

FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, COATS, SUITS, DRESSES, SWEATERS, RAINCOATS, PLAY CLOTHES, CONSISTING OF SHORTS, SLACKS, SHIRTS, SKIRTS, BEACH PAJAMAS, SNOW AND SKI SUITS, CAMPUS JACKETS AND HALTERS; BATHING SUITS, HATS, UNDERWEAR, LINGERIE, CONSISTING OF SLIPS, BRASSIERES, PANTIES, GIRDLES, NIGHTGOWNS, HOUSE COATS, NEGLIGEES, PAJAMAS AND BATHROBES; GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; HANDKERCHIEFS, AND STOCKINGS.
Claims use since Apr. 20, 1941.

Ser. No. 446,314. CONSOLIDATED HAT STORES, LTD., doing business as New York Hat Stores, Los Angeles, Calif. Filed Aug. 18, 1941.

SUNLAN SPORTSWEAR by Brentwood New York Hat Stores

All wording except "Sunlan" is disclaimed apart from the mark.
FOR LADIES' AND MEN'S SPORTSWEAR—NAMELY, SPORT SHIRTS, JACKETS, COATS, AND SWEATERS.
Claims use since Aug. 4, 1941.

Ser. No. 446,625. MORRIS W. HAFT & BROS., INC., New York, N. Y. Filed Aug. 28, 1941.

All Year RUFFER

Applicant disclaims the words "All Year" except as shown.
FOR WOMEN'S AND MISSES' SUITS AND COATS.
Claims use since August, 1932.

Ser. No. 446,714. WORTHY-MISS DRESSES, INC., New York, N. Y. Filed Aug. 30, 1941.

Suede-A-Roy

Applicant disclaims the word "Suede" except as shown.
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 23, 1941.

Ser. No. 447,236. GEORGE J. HECHT, doing business as Children's Products Company, New York, N. Y. Filed Sept. 22, 1941.

"TRICKS for TEENS"

The words "for Teens" are disclaimed apart from the mark.
FOR CHILDREN'S SWEATERS, DRESSES, SUITS, COATS, HOUSECOATS, BLOUSES, PLAY SUITS, SLACKS, AND SKIRTS.
Claims use since Aug. 26, 1941.

Ser. No. 447,261. NORMAN D. WATERS & ASSOCIATES, INC., New York, N. Y. Filed Sept. 22, 1941.

A Fashion Discovery OF TELEVISION

Applicant disclaims the word "Fashion" except as shown.
FOR SWEATERS.
Claims use since Sept. 2, 1941.

Ser. No. 448,834. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Nov. 22, 1941.

SQUIREENS

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATION OF THESE MATERIALS.
Claims use since Nov. 6, 1941.

Ser. No. 448,837. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 22, 1941.

Jim Penney

The trade-mark consists of the abbreviated signature of James C. Penney, chairman of the board of applicant.
FOR YOUNG MEN'S AND BOYS' CLOTHING—NAMELY, HATS, SHOES MADE OF LEATHER, FABRIC, OR RUBBER AND COMBINATIONS THEREOF, BELTS IN THE NATURE OF GARMENT SUPPORTERS, SUSPENDERS, GARTERS, SUITS, JACKETS, TROUSERS, SPORT COATS, OVERCOATS, TOPCOATS, RAINCOATS, HOSIERY, UNDERWEAR, GYM SHIRTS AND SHORTS, GLOVES, AND MITTENS MADE OF LEATHER AND FABRIC OR COMBINATIONS THEREOF, BATHROBES, SWEATERS, SWEAT SHIRTS, SWIM TRUNKS, PAJAMAS, SPORT SHIRTS, DRESS AND WORK SHIRTS, NECKWEAR—NAMELY, BOW TIES, FOUR-IN-HAND TIES, AND MUFFLERS, LUMBER JACKETS, MACKINAWS, SKI SUITS, OVERALLS, PLAY AND WORK SUITS, AND WORK PANTS.
Claims use since Oct. 10, 1941.

Ser. No. 449,313. BOTANY WORSTED MILLS, Passaic, N. J. Filed Dec. 9, 1941.



Applicant is owner of registration for "Botany" under 10-year proviso and also owner of registration for "Botany" for neckties under section 5b.
FOR NECKTIES.
Claims use since Nov. 25, 1941.

Ser. No. 449,565. S. AUGSTEIN & CO., College Point, New York City, N. Y. Filed Dec. 18, 1941.

KOOLOMATIC

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S SWEATERS, SUITS, BATHING SUITS, SCARFS, MUFFLERS, CAPS, HATS, CAPES, DRESSES, PLAY SUITS, JACKETS, OUTER SKIRTS, COATS, SLACKS AND POLO SHIRTS, ALL MADE OF KNITTED AND WOVEN FABRICS.
Claims use since Oct. 30, 1941.

Ser. No. 449,625. THE OAKLAND TOGGERY, doing business as L So & Co., Oakland, Calif. Filed Dec. 19, 1941.

Golden Lotus

FOR HOSIERY.
Claims use since Oct. 11, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 449,119. BOURJOIS, INC., New York, N. Y. Filed Dec. 3, 1941.

MAIS OUI

FOR ORNAMENTAL SACHETED LINGERIE CASES OR ENVELOPES.
Claims use since Sept. 13, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,924. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 4, 1941.

CUTGLASS

FOR LACE CURTAINS.
Claims use since February, 1941.

Ser. No. 447,199. DALCO TEXTILE CO., INC., New York, N. Y. Filed Sept. 20, 1941.

American Maid

"American" is disclaimed apart from the mark.
FOR DISH CLOTHS AND UNTREATED UTILITY CLOTHS.
Claims use since Jan. 2, 1941.

Ser. No. 447,520. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.

Pendec

No claim is made to the representation of the tag and string attached thereto apart from the mark.

FOR UPHOLSTERY, DRAPERY, AND CURTAIN FABRICS OF SILK, SILK AND WOOL, WOOL, COTTON, SILK AND COTTON AND RAYON; BLANKETS; COMFORTABLES; CARPETS; RUGS; TOWELS; TABLE LINENS; BEDSPREADS; SHEETS; BATH MATS; BEDROOM AND BATHROOM RUGS MADE OF BOTH COTTON AND WOOL.

Claims use since Jan. 1, 1940.

Ser. No. 448,086. PALATINE DYEING COMPANY, INC., St. Johnsville, N. Y. Filed Oct. 24, 1941.

Trecofur

The mark consists of the word "Trecofur."

FOR PIECE GOODS OF COTTON, RAYON, AND SO ON, PROCESSED OR FINISHED TO MAKE THE GOODS CREASE PROOF AND WATER REPELLENT, AND TO GIVE THE SAME A FINISH SO AS TO RESEMBLE FUR.

Claims use since Sept. 1, 1940.

Ser. No. 448,607. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 13, 1941.

EASI-DRI

Applicant disclaims the words "Easy-Dri" apart from the mark.

FOR DISH TOWELS AND TOWELING IN THE PIECE.

Claims use since Sept. 1, 1940.

Ser. No. 448,608. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 13, 1941.

FIELDCREST

FOR SHEETS AND SHEETING IN THE PIECE, PILLOW CASES AND TUBING, BLANKETS OF COTTON, WOOL, RAYON, AND MIXTURES THEREOF, BED SPREADS, TOWELS AND TOWELING IN THE PIECE, WASH CLOTHS, WINDOW AND BED DRAPES, AND LACE CURTAINS AND CURTAINING.

Claims use since Dec. 15, 1918.

Ser. No. 448,610. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 13, 1941.

KWIK WIPE

Applicant disclaims the words "Kwik Wipe" apart from the mark.

FOR DISH TOWELS.

Claims use since Sept. 1, 1936.

Ser. No. 448,637. FOREMAN FABRICS CORP., New York, N. Y. Filed Nov. 14, 1941.

SOFSKIN CREPE

Applicant disclaims the word "Crepe" apart from the mark.

FOR COTTON, RAYON, ACETATE AND/OR SILK PIECE GOODS.

Claims use since May 1, 1941.

Ser. No. 448,650. PONEMAH MILLS, Taftville, Conn. Filed Nov. 14, 1941.

SOIESETTE

FOR RAYON AND MIXTURES OF RAYON AND COTTON PIECE GOODS.

Claims use since Oct. 24, 1941.

Ser. No. 448,838. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 22, 1941.

nursery

FOR COTTON, RAYON, AND/OR WOOLEN PIECE GOODS, MATTRESS PROTECTORS AND COVERS, BEDSPREADS, BLANKETS, COMFORTS, SHEETS, SHEETING, AND PILLOW CASES.

Claims use since Aug. 8, 1935.

Ser. No. 448,849. BROOKHAVEN TEXTILES, INC., New York, N. Y. Filed Nov. 24, 1941.

EVEROY

FOR PIECE GOODS MADE OF COTTON, WOOL, SILK, RAYON, AND/OR ANY COMBINATIONS THEREOF.

Claims use since Oct. 1, 1941.

Ser. No. 448,850. BROOKHAVEN TEXTILES, INC., New York, N. Y. Filed Nov. 24, 1941.

HARDIKORD

FOR PIECE GOODS MADE OF COTTON, WOOL, SILK, RAYON, AND/OR ANY COMBINATIONS THEREOF.

Claims use since Oct. 1, 1941.

Ser. No. 448,851. BROOKHAVEN TEXTILES, INC., New York, N. Y. Filed Nov. 24, 1941.

LUXUROY

FOR PIECE GOODS IN THE NATURE OF A CORDUROY FABRIC.

Claims use since Oct. 1, 1941.

Ser. No. 448,996. BARTMANN & BINER, INC., New York, N. Y. Filed Nov. 28, 1941.

S-VEE'S

FOR WINDOW CURTAINS.

Claims use since Nov. 15, 1941.

Ser. No. 449,000. BROOKHAVEN TEXTILES, INC., New York, N. Y. Filed Nov. 28, 1941.

ROLLICORD

FOR PIECE GOODS MADE OF COTTON, WOOL, SILK, RAYON, AND/OR ANY COMBINATIONS THEREOF.

Claims use since Oct. 1, 1941.

Ser. No. 449,052. E. MILIUS & CO., INC., New York, N. Y. Filed Nov. 29, 1941.

BOWLING CLOTH

The word "Cloth" is disclaimed apart from the mark.

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, ACETATE, AND COMBINATIONS THEREOF.

Claims use since Jan. 2, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 450,111. ORTHO PRODUCTS INC., Linden, N. J. Filed Jan. 9, 1942.

ortho

FOR APPLICATORS.

Claims use since Dec. 10, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 449,478. ARTHUR J. DELAUNAY, Spring Lake, N. J. Filed Dec. 15, 1941.

The Year Round Cue

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED FOR MAKING SAME.

Claims use since November, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Serial No. 434,432. MARGARET C. BURDEN, doing business as Mrs. M. Burden and Grandma's Spanish Pepper Co., Berkeley, Calif. Filed July 29, 1940.

GRANDMA'S SPANISH SEASONING

Applicant is the owner of trade-mark registrations Nos. 43,009 and 45,883. The portrait is that of Mrs. Kathe Vaughan, deceased mother of petitioner. The words "Spanish Seasoning" are disclaimed apart from the mark.

FOR FOOD SEASONING CONTAINING GROUND CHILI PEPPERS, CUMIN SEED, OREGANO, AND GARLIC.

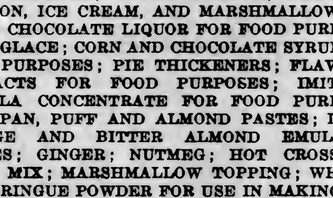
Claims use since November, 1939.

Ser. No. 437,746. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Nov. 9, 1940.



FOR CANNED FRUITS AND VEGETABLES; CRUSHED FRUIT; DICED PEELS; PIE AND CREAM PUFF FILLINGS; COCOA POWDER, CHOCOLATE CHIFFON, ICE CREAM, AND MARSHMALLOW POWDERS; CHOCOLATE LIQUOR FOR FOOD PURPOSES; ICING GLACE; CORN AND CHOCOLATE SYRUPS FOR FOOD PURPOSES; PIE THICKENERS; FLAVORING EXTRACTS FOR FOOD PURPOSES; IMITATION VANILLA CONCENTRATE FOR FOOD PURPOSES; MARZIPAN, PUFF AND ALMOND PASTES; LEMON, ORANGE AND BITTER ALMOND EMULSIONS; CLOVES; GINGER; NUTMEG; HOT CROSS BUN FRUIT MIX; MARSHMALLOW TOPPING; WHIPPER OR MERINGUE POWDER FOR USE IN MAKING PIES, CAKES, CANDY; STABILIZER OR PREPARATION FOR PREVENTING THE FALLING OF MERINGUE AND SIMILAR PIE TOPPINGS; SHORTENING; COTTONSEED OIL FOR FOOD PURPOSES; COCOANUT; RUM FLAVOR FOR FOOD PURPOSES; FRUIT ESSENCE FOR FOOD PURPOSES; GELATINE; BUTTER; POPPY BUTTER FILLING FOR BUNS AND CAKES PREPARED FROM CRUSHED POPPY SEED AND SUGAR; LARD; CREAM FONDANT; WHITE FUDGE; POWDERED MILK; IMITATION RASPBERRY FLAVOR JELLY AND APPLE BASE JELLY.
Claims use since April, 1915.

Ser. No. 439,236. NATIONAL FRUIT PRESERVES, INC., Jacksonville, Fla. Filed Dec. 27, 1940.



The word "Brand" is disclaimed apart from the mark.
FOR FRUIT PRODUCTS—NAMELY, MARMALADES AND JELLIES AND JELLIED MAPLE SYRUP PACKED IN PAPER CUPS AND CARTONS.
Claims use since Oct. 9, 1940.

Ser. No. 447,256. SMITH & NELSON, INC., Tonasket, Wash. Filed Sept. 22, 1941.

BIG CHECK

FOR FRESH APPLES.
Claims use since Oct. 1, 1940.

Ser. No. 448,918. MUCKLAND CELERY COMPANY, Sarasota, Fla. Filed Nov. 25, 1941.

TURF

FOR CELERY.
Claims use since Dec. 15, 1939.

Ser. No. 448,936. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Nov. 26, 1941.

Man-O-War

FOR CANDY.
Claims use since Oct. 30, 1941.

Ser. No. 449,095. FIRST CARAMEL MALTING CORPORATION, Paterson, N. J. Filed Dec. 2, 1941.

BLACKPRINZ

FOR MALT IN SOLID CONDITION.
Claims use since Sept. 26, 1941.

Ser. No. 449,096. FIRST CARAMEL MALTING CORPORATION, Paterson, N. J. Filed Dec. 2, 1941.

CARABROWN

FOR MALT IN SOLID CONDITION.
Claims use since Sept. 26, 1941.

Ser. No. 449,097. FIRST CARAMEL MALTING CORPORATION, Paterson, N. J. Filed Dec. 2, 1941.

GOLDPILS

FOR MALT IN SOLID CONDITION.
Claims use since Sept. 26, 1941.

Ser. No. 449,132. GENERAL GROCERY CO., Phoenix, Ariz. Filed Dec. 3, 1941.



No claim is made to the representation of a label apart from the mark.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since Aug. 1, 1941.

Ser. No. 449,240. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif. Filed Dec. 6, 1941.

TWIN TREE

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1941.

Ser. No. 449,298. J. E. SHIELDS, doing business as Pacific Coast Codfish Company, Seattle, Wash. Filed Dec. 8, 1941.

ICICLE

FOR CODFISH IN CANS AND BULK.
Claims use since Sept. 1, 1911.

Ser. No. 449,402. ABBOTTS DAIRIES, INCORPORATED, Philadelphia, Pa. Filed Dec. 12, 1941.

Ice Creamwich

No claim is made to the word "Ice" apart from the mark substantially as shown.
FOR FOOD PRODUCT CONSISTING OF A LAYER OF ICE CREAM BETWEEN TWO SUGAR WAFERS.
Claims use since Nov. 1, 1941.

Ser. No. 449,696. PANGBURN COMPANY, INC., Fort Worth, Tex. Filed Dec. 22, 1941.



FOR CANDY.
Claims use since Aug. 7, 1941.

Ser. No. 450,187. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Jan. 13, 1942.

TASTONE

FOR FOOD FLAVORING COMPOSITION CONTAINING VEGETABLE EXTRACTS AND VEGETABLE PROTEIN DERIVATIVE MATERIAL.
Claims use since July 3, 1941.

CLASS 47

WINES

Ser. No. 448,808. W. A. TAYLOR & CO., INC., New York, N. Y. Filed Nov. 21, 1941.

REVERY

FOR WINES.
Claims use since Oct. 30, 1941.

Ser. No. 450,022. F. PIRRONE & SONS, Garfield, N. J. Filed Jan. 6, 1942.

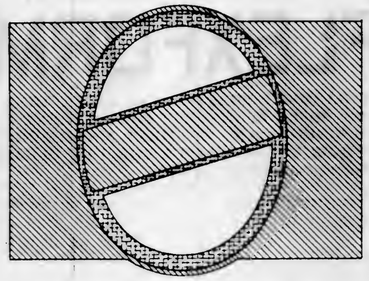
NESTOR

The mark comprises the name of the legendary Greek king of Pylos.
FOR WINES.
Claims use since November, 1939.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 449,530. RED TOP BREWING COMPANY, Cincinnati, Ohio. Filed Dec. 16, 1941.



No claim is made to a label per se. The drawing is lined for green and gold.
FOR MALT BEVERAGES—NAMELY, ALE AND BEER.
Claims use since May 3, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 448,751. BARDINET, LTD., New York, N. Y. Filed Nov. 19, 1941.



FOR CORDIALS.
Claims use since Nov. 1, 1941.

Ser. No. 448,985. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Nov. 27, 1941.

Blendhaven

FOR WHISKEY.
Claims use since Oct. 3, 1941.

Ser. No. 449,517. JOHN DE KUYPER & SON, INC., New York, N. Y. Filed Dec. 16, 1941.

DELECTA

FOR LIQUEUR.
Claims use since Dec. 5, 1941.

CLASS 50

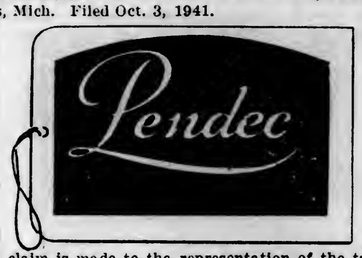
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 427,578. JOHN FITZGERALD, doing business as Tripak Machinery Service, Harlingen, Tex. Filed Jan. 18, 1940.

FLEXFORM

FOR GARMENT SHAPING AND STRETCHING MACHINES, SHIRT SPREADERS FOR GARMENT SHAPING MACHINES, AND GARMENT MEASURING AND SHAPER-DRIER APPARATUS FOR DRY CLEANERS.
Claims use since Oct. 15, 1939.

Ser. No. 447,521. ROBERT W. IRWIN COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1941.



No claim is made to the representation of the tag and string attached thereto apart from the mark.

FOR CLOSET ACCESSORIES—NAMELY, INDIVIDUAL HAT STANDS AND GARMENT HANGERS, STATUETTES AND PLASTER PLAQUES, WATERPROOF FABRIC FOR USE AS SHOWER CURTAINS.
Claims use since Jan. 1, 1940.

Ser. No. 448,754. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed Nov. 19, 1941.

Co-Ro-Lite

FOR RESIN-IMPREGNATED NEEDLED FELTED VEGETABLE FIBER MATERIAL IN SHEET FORM OR IN SHAPES CUT THEREFROM FOR MOLDING.
Claims use since Oct. 25, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 24, 1942

393,626. NECKTIES. H. C. COHN & Co., Rochester, N. Y., assignor to Superba Cravats, Rochester, N. Y., a copartnership consisting of Herman C. Cohn, Herman M. Cohn, Julian Wiley, Sr., Harold Shrier, Harry S. Cohn, Irving Lerner, Julian Wiley, Jr., Frederick P. Muhlhauser and H. W. Lewine.
Filed February 15, 1939. Serial No. 416,028. PUBLISHED DECEMBER 9, 1941. Class 39.

393,627. MALTLESS NONALCOHOLIC CARBONATED BEVERAGE, AND SYRUP FOR USE IN MAKING THE SAME. VANTI PA-PI-A CORPORATION, New York, N. Y., now by change of name Par Beverage Corporation, a corporation of New York.
Filed December 14, 1939. Serial No. 426,584. PUBLISHED DECEMBER 16, 1941. Class 45.

393,628. MALTLESS NONALCOHOLIC CARBONATED BEVERAGE, AND SYRUP FOR USE IN MAKING THE SAME. VANTI PA-PI-A CORPORATION, New York, N. Y., now by change of name Par Beverage Corporation, a corporation of New York.
Filed December 14, 1939. Serial No. 426,585. PUBLISHED DECEMBER 16, 1941. Class 45.

393,629. MALTLESS NONALCOHOLIC CARBONATED BEVERAGE, AND SYRUP FOR USE IN MAKING THE SAME. VANTI PA-PI-A CORPORATION, New York, N. Y., now by change of name Par Beverage Corporation, a corporation of New York.
Filed December 14, 1939. Serial No. 426,586. PUBLISHED DECEMBER 16, 1941. Class 45.

393,630. WORK SHIRTS, OUTER SHIRTS, LEATHER AND WOOL JACKETS, SWEATERS, MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES AND BOOTS, WORK SHOES AND BOOTS, SPORT SHOES, MEN'S COTTON AND WOOL UNDERWEAR, WORK PANTS, AND OVERALLS. COPPER QUEEN, INC., Atlanta, Ga.
Filed August 7, 1940. Serial No. 434,740. PUBLISHED DECEMBER 9, 1941. Class 39.

393,631. LADIES' HOSIERY. THE HIOBEE COMPANY, Cleveland, Ohio.
Filed September 21, 1940. Serial No. 436,214. PUBLISHED DECEMBER 16, 1941. Class 39.

393,632. HEADBANDS WHICH MAY BE USED SEPARATELY OR IN CONJUNCTION WITH A CAP OR HAT. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed September 25, 1940. Serial No. 436,356. PUBLISHED DECEMBER 9, 1941. Class 39.

393,633. EDGING—NAMELY, RICK RACK BRAID, RUCHING, AND CORDING FOR CURTAINS, DRAPERIES, ETC. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed November 15, 1940. Serial No. 437,892. PUBLISHED DECEMBER 9, 1941. Class 40.

393,634. CHEMICALS FOR DEVELOPING LINE AND HALF-TONE NEGATIVES. PHILIP A. HUNT COMPANY, Brooklyn, N. Y.
Filed January 24, 1941. Serial No. 439,933. PUBLISHED MARCH 18, 1941. Class 6.

393,635. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed February 20, 1941. Serial No. 440,813. PUBLISHED DECEMBER 2, 1941. Class 39.

393,636. CORSETS, GIRDLES, AND BRASSIÈRES. DOMINION CORSET COMPANY, LIMITED, Quebec, Quebec, Canada.
Filed February 21, 1941. Serial No. 440,855. PUBLISHED DECEMBER 2, 1941. Class 39.

393,637. LADIES' APPAREL—NAMELY, SLIPS, NIGHTGOWNS, PAJAMAS, BLOOMERS, CHEMISES, BRASSIÈRES, NEGLIGEES, PETTICOATS, UNDERVESTS, AND UNDERSHIRTS. QUEEN ANNE UNDIES, INC., New York, N. Y.
Filed March 10, 1941. Serial No. 441,411. PUBLISHED DECEMBER 2, 1941. Class 39.

393,638. GYMNASIUM SUITS, PLAY SUITS FOR WOMEN AND GIRLS, CHOIR GOWNS, ACADEMIC GRADUATION CAPS AND GOWNS, AND MINISTERS' AND JUDGES' GOWNS. E. R. MOORE COMPANY, Chicago, Ill.
Filed March 15, 1941. Serial No. 441,587. PUBLISHED DECEMBER 16, 1941. Class 39.

393,639. VITAMIN PREPARATION. ANTHONY LABORATORIES, Cliffwood, N. J.
Filed March 26, 1941. Serial No. 441,937. PUBLISHED DECEMBER 16, 1941. Class 6.

393,640. LIQUID COMPOSITION TO BE USED FOR REMOVABLE PROTECTIVE LAYER IN ART, ARCHITECTURAL, DECORATIVE, PHOTOGRAPHIC, AND SIMILAR WORK. ANDREW JERI, Brooklyn, N. Y., assignor to Andrew Jeri Company, Inc., New York, N. Y., a corporation of New York.
Filed April 1, 1941. Serial No. 442,173. PUBLISHED DECEMBER 16, 1941. Class 6.

393,641. PREPARATION TO BEAUTIFY THE HAIR BY DYEING IT. OSAKI SHOTEN LTD., Honolulu, Territory of Hawaii.
Filed April 29, 1941. Serial No. 443,090. PUBLISHED DECEMBER 16, 1941. Class 6.

393,642. GLOVES OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y.
Filed May 12, 1941. Serial No. 443,505. PUBLISHED DECEMBER 2, 1941. Class 39.

393,643. HOSIERY, GLOVES MADE OF FABRIC OR COMBINATIONS OF FABRIC AND LEATHER, AND LADIES' UNDERWEAR, GIRDLES, SLIPS, PAJAMAS, NIGHTGOWNS, BED-JACKETS, SWEATERS, AND SPORT SHIRTS AND JACKETS. JULIUS KAYSER & Co., New York, N. Y.
Filed May 20, 1941. Serial No. 443,722. PUBLISHED DECEMBER 2, 1941. Class 39.

393,644. PREPARATION USED TO RELIEVE SKIN ITCH AND ATHLETE'S FOOT. BOYD J. PIERCE, doing business as Pierce Products Co., High Point, N. C.
Filed May 28, 1941. Serial No. 444,013. PUBLISHED DECEMBER 16, 1941. Class 6.

393,645. SLIPPERS, SHOES, AND BEACH SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAID MATERIALS. WELLCO SHOE CORPORATION, Waynesville, N. C.
Filed May 28, 1941. Serial No. 444,027. PUBLISHED DECEMBER 2, 1941. Class 39.

393,646. LADIES' AND MISSES' SLIPS, PETTICOATS, BLOOMERS, UNDERSHIRTS, STEP-INS—NAMELY, UNDERDRAWERS, PANTIES, AND BRASSIÈRES. LUXURAY, INC., New York, N. Y.
Filed June 12, 1941. Serial No. 444,460. PUBLISHED DECEMBER 16, 1941. Class 39.

393,647. LADIES' GARMENTS MADE OF FUR—NAMELY, COATS, JACKETS, CAPES, AND SCARFS; AND LADIES' GARMENTS OF CLOTH TRIMMED WITH FUR—NAMELY, COATS, JACKETS, CAPES, AND SUITS. FROMM BROS., INC., Hamburg, Wis.
Filed June 26, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 444,866. PUBLISHED DECEMBER 9, 1941. Class 39.

393,648. MEN'S OUTER SHIRTS. WILSON BROTHERS, Chicago, Ill.
Filed July 17, 1941. Serial No. 445,443. PUBLISHED DECEMBER 16, 1941. Class 39.

393,649. LEATHER SWEATBANDS FOR HATS AND CAPS. HERMAN BARZ, New York, N. Y.
Filed August 2, 1941. Serial No. 445,873. PUBLISHED DECEMBER 2, 1941. Class 39.

393,650. CROCHET HOOKS FOR HAND USE. HAMILTON C. BATES, Chester, Conn.
Filed August 2, 1941. Serial No. 445,874. PUBLISHED DECEMBER 16, 1941. Class 40.

393,651. SOAP. JOSEPH METRIE, Milwaukee, Wis.
Filed August 2, 1941. Serial No. 445,898. PUBLISHED DECEMBER 16, 1941. Class 4.

393,652. LADIES' PAJAMAS, LADIES' BLOUSES, AND LADIES' NIGHTGOWNS AND LADIES' LOUNGING PAJAMAS. MICHAEL BERKOWITZ COMPANY, INC., New York, N. Y.
Filed August 5, 1941. Serial No. 445,974. PUBLISHED DECEMBER 16, 1941. Class 39.

393,653. SHOEHORNS. MEXUSA-HOLANDA CORPORATION, New York, N. Y.
Filed August 5, 1941. Serial No. 446,002. PUBLISHED DECEMBER 2, 1941. Class 40.

393,654. BOWS FOR PERSONAL WEAR MADE FROM RIBBON MANUFACTURED FROM SILK, RAYON, AND COMBINATIONS OF SILK, RAYON, COTTON, AND TINSEL. STARK BROS. RIBBON CORPORATION, New York, N. Y.
Filed August 5, 1941. Serial No. 446,005. PUBLISHED DECEMBER 2, 1941. Class 40.

393,655. SHOES OF LEATHER AND FABRIC AND COMBINATIONS THEREOF. O'DONNELL SHOE COMPANY, St. Paul, Minn., and Humboldt, Tenn.
Filed August 11, 1941. Serial No. 446,141. PUBLISHED DECEMBER 2, 1941. Class 39.

393,656. POWDER WHICH IS ADDED TO THE BATH TO SOFTEN AND PERFUME THE WATER, AND A LIQUID WHICH IS ADDED TO THE BATH TO PERFUME THE WATER AND CREATE BUBBLES THEREIN. THE C. S. WELCH COMPANY, New York, N. Y.
Filed August 13, 1941. Serial No. 446,224. PUBLISHED DECEMBER 16, 1941. Class 6.

393,657. HAIR NETS AND NEGLIGEE CAPS. NAT P. STECKLER, New York, N. Y.
Filed August 14, 1941. Serial No. 446,250. PUBLISHED DECEMBER 2, 1941. Class 39.

393,658. DIAPERS MADE OF TEXTILE FABRIC. JOSEPH ROBINSON, New York, N. Y.
Filed August 18, 1941. Serial No. 446,336. PUBLISHED DECEMBER 2, 1941. Class 39.

393,659. LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT. DAVID CRYSTAL INC., New York, N. Y.
Filed August 27, 1941. Serial No. 446,567. PUBLISHED DECEMBER 16, 1941. Class 39.

393,660. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, BATH ROBES, BATHING SUITS, PAJAMAS, SWEATERS, BLOOMERS, AND ROMPERS; MEN'S AND WOMEN'S UNDERWEAR, AND WOMEN'S SLIPS AND BRASSIÈRES. THEODORE SILVERMAN, New York, N. Y.
Filed August 27, 1941. Serial No. 446,599. PUBLISHED DECEMBER 16, 1941. Class 39.

393,661. MEN'S AND WOMEN'S GLOVES MADE OF FABRICS, LEATHER, OR COMBINATIONS THEREOF. FOWNES BROTHERS & COMPANY, INC., New York, N. Y.
Filed August 28, 1941. Serial No. 446,624. PUBLISHED DECEMBER 2, 1941. Class 39.

393,662. ARTIFICIAL FLOWERS FOR PERSONAL WEAR—NAMELY, BOUTONNIERES. JACOB DE JONG, INC., New York, N. Y.
Filed September 4, 1941. Serial No. 446,774. PUBLISHED DECEMBER 9, 1941. Class 40.

393,663. ARTICLES OF RANCH WEAR—OUTER SHIRTS, JACKETS, JUMPERS, COATS, OUTER SKIRTS, VESTS, TROUSERS, NECKERCHIEFS, BELTS FOR OUTER WEAR, HATS, AND BOOTS AND SHOES MADE OF LEATHER. ANDREW ANDERSON, Encampment, Wyo.
Filed September 9, 1941. Serial No. 446,904. PUBLISHED DECEMBER 9, 1941. Class 39.

393,664. COSMETICS AND TOILET PREPARATIONS—NAMELY, SUNTAN LOTION, HAND LOTION, CLEANSING CREAM, ETC. GABY, INC., Philadelphia, Pa.
Filed September 9, 1941. Serial No. 446,915. PUBLISHED DECEMBER 16, 1941. Class 6.

393,665. MILLINERY BRAIDS. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed September 13, 1941. Serial No. 447,032. PUBLISHED DECEMBER 9, 1941. Class 40.

393,666. PLASTICIZER FOR SYNTHETIC RUBBER. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed September 13, 1941. Serial No. 447,035. PUBLISHED DECEMBER 16, 1941. Class 6.

393,667. LADIES' AND MISSES' DRESSES AND JACKETS, BLOUSES, AND SLACKS, SKIRTS, AND SUITS. EUNICE ESSON BRENNAM, St. Louis, Mo.
Filed September 16, 1941. Serial No. 447,057. PUBLISHED DECEMBER 16, 1941. Class 39.

393,668. COMPOUNDS FOR CLEANING TEETH. THOMAS H. ODENEAL, doing business as Cape Ann Laboratory, Gloucester, Mass.
Filed September 17, 1941. Serial No. 447,106. PUBLISHED DECEMBER 16, 1941. Class 6.

393,669. HOUSEHOLD AND ELECTRICIANS' GLOVES MADE OF RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 20, 1941. Serial No. 447,207. PUBLISHED DECEMBER 9, 1941. Class 39.

393,670. THREAD OF NYLON AND OTHER SYNTHETIC FIBERS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed September 23, 1941. Serial No. 447,265. PUBLISHED DECEMBER 16, 1941. Class 43.

393,671. LEATHER ARTICLES OF CLOTHING FOR MEN, COMPRISING APRONS, COATS, GLOVES, OVERALLS, AND SLEEVES. THEODORE L. WIGGINS, doing business as Wiggins Mfg. Co., Seattle, Wash.
Filed September 23, 1941. Serial No. 447,281. PUBLISHED DECEMBER 16, 1941. Class 39.

393,672. YARN. CREPE DE CHINE INCORPORATED, Wilkes-Barre, Pa.
Filed September 26, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 447,323. PUBLISHED DECEMBER 16, 1941. Class 43.

393,673. LEATHER SOLES FOR SHOES. KISTLER LEATHER CO., Boston, Mass.
Filed September 26, 1941. Serial No. 447,336. PUBLISHED DECEMBER 9, 1941. Class 39.

393,674. MEN'S AND WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. MISSOURI SHOE COMPANY, St. Louis, Mo.
Filed September 29, 1941. Serial No. 447,400. PUBLISHED DECEMBER 2, 1941. Class 39.

393,675. SHOES MADE OF LEATHER. SOMMER & KAUFMANN, San Francisco, Calif.
Filed October 1, 1941. Serial No. 447,469. PUBLISHED DECEMBER 2, 1941. Class 39.

393,676. WOMEN'S AND GIRLS' COATS. STERN-SLEOMAN PRINS COMPANY, North Kansas City, Mo.
Filed October 1, 1941. Serial No. 447,471. PUBLISHED DECEMBER 16, 1941. Class 39.

393,677. PREPARATION USED IN THE TREATMENT OF ATHLETE'S FOOT. KATE T. SUMMEY, doing business as Mon Ray Chemical Company, Forest City, N. C.
Filed October 1, 1941. Serial No. 447,472. PUBLISHED DECEMBER 16, 1941. Class 6.

393,678. SULPHUR. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va.
Filed October 2, 1941. Serial No. 447,499. PUBLISHED DECEMBER 16, 1941. Class 6.

393,679. SEALING SOLVENT. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va.
Filed October 2, 1941. Serial No. 447,500. PUBLISHED DECEMBER 16, 1941. Class 6.

393,680. WIRE. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 7, 1941. Serial No. 447,602. PUBLISHED DECEMBER 16, 1941. Class 14.

393,681. MEN'S, YOUTHS', AND CHILDREN'S SUITS, ONE-PIECE OVERALL SUITS, OVERALLS, DUNGAREES, JACKETS, ETC. CARY & COMPANY, INC., Binghamton, N. Y.
Filed October 10, 1941. Serial No. 447,656. PUBLISHED DECEMBER 16, 1941. Class 39.

393,682. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. COMAR COMPANY, Washington, D. C.
Filed October 10, 1941. Serial No. 447,657. PUBLISHED DECEMBER 16, 1941. Class 39.

393,683. YARN. SPINNERIN YARN CO., INC., New York, N. Y.
Filed October 10, 1941. Serial No. 447,676. PUBLISHED DECEMBER 16, 1941. Class 43.

393,684. WOMEN'S HATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,727. PUBLISHED DECEMBER 16, 1941. Class 39.

393,685. WOMEN'S HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,732. PUBLISHED DECEMBER 16, 1941. Class 39.

393,686. MEN'S AND BOYS' NECKTIES. THE PARIS NECKWEAR CO., INC., New York, N. Y.
Filed October 14, 1941. Serial No. 447,783. PUBLISHED DECEMBER 16, 1941. Class 39.

393,687. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS; LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS; LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS; ANESTHETIC TABLETS, ANESTHETIC POWDERS, AND ANESTHETIC SOLUTIONS. ARTHUR E. SMITH, Los Angeles, Calif.
Filed October 15, 1941. Serial No. 447,828. PUBLISHED DECEMBER 16, 1941. Class 6.

393,688. SOAPS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed October 16, 1941. Serial No. 447,836. PUBLISHED DECEMBER 16, 1941. Class 4.

393,689. MEN'S TOPCOATS AND OVERCOATS. THE OHIO OVERCOAT COMPANY, Galion, Ohio.
Filed October 17, 1941. Serial No. 447,887. PUBLISHED DECEMBER 16, 1941. Class 39.

393,690. BEER. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis.
Filed October 22, 1941. Serial No. 448,013. PUBLISHED DECEMBER 16, 1941. Class 48.

393,691. BRONCHIAL MEDICAMENTS AND EXPECTORANTS AND COUGH SYRUPS. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa.
Filed October 23, 1941. Serial No. 448,061. PUBLISHED DECEMBER 16, 1941. Class 6.

393,692. LAXATIVE TABLETS. FRANCO-AMERICAN CHEMICAL COMPANY, LIMITED, Boston, Mass.
Filed October 28, 1941. Serial No. 448,191. PUBLISHED DECEMBER 16, 1941. Class 6.

393,693. ANTISEPTIC WHICH IS USED ON WOUNDS. ARNOLD A. FEIST, V. M. D., St. Paul, Minn.
Filed October 29, 1941. Serial No. 448,221. PUBLISHED DECEMBER 16, 1941. Class 6.

393,694. RAT AND MOUSE BAIT. ANCHOR PRODUCTS CO., Minneapolis, Minn.
Filed October 31, 1941. Serial No. 448,275. PUBLISHED DECEMBER 16, 1941. Class 6.

393,695. SULPHANILAMIDE DERIVATIVE FOR PARENTERAL INJECTION. SPECIFIC PHARMACEUTICALS INC., New York, N. Y.
Filed November 1, 1941. Serial No. 448,339. PUBLISHED DECEMBER 16, 1941. Class 6.

393,696. RECTAL SUPPOSITORY CONTAINING BISMUTH. SPECIFIC PHARMACEUTICALS INC., New York, N. Y.
Filed November 1, 1941. Serial No. 448,340. PUBLISHED DECEMBER 16, 1941. Class 6.

393,697. INTESTINAL ASTRINGENT USED TO ALLAY LOOSE BOWEL MOVEMENTS DUE TO MINOR INTESTINAL DISTURBANCES. NYAL COMPANY, Detroit, Mich.
Filed November 3, 1941. Serial No. 448,369. PUBLISHED DECEMBER 16, 1941. Class 6.

393,698. MEDICINAL PREPARATION USED FOR RELIEF OF BRONCHIAL TROUBLES, AND CERTAIN FORMS OF ASTHMA AND CERTAIN FORMS OF HEADACHES. LUTHER WARD, doing business as Ward's Pharmacy, Tuscaloosa, Ala.
Filed November 3, 1941. Serial No. 448,376. PUBLISHED DECEMBER 16, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

393,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIGGLY WIGGLY CORPORATION, Atlanta, Ga. Filed July 25, 1940. Serial No. 434,343.

PLYMOUTH



FOR COFFEE.
Claims use since Aug. 27, 1930.

393,700. (CLASS 32. FURNITURE AND UPHOLSTERY.) MICHIGAN ARTCRAFT COMPANY, Sparta, Mich. Filed Oct. 28, 1940. Serial No. 437,344.

Michigan Maid

FOR DROP LEAF TABLES, EXTENSION DROP LEAF TABLES AND CABINET DROP LEAF TABLE.
Claims use since June 24, 1940.

393,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY BOROSMILLER & SONS, Murphysboro, Ill. Filed Nov. 20, 1940. Serial No. 438,065.

IT'S GOOD

FOR CANNED VEGETABLES — NAMELY, GREEN BEANS, CORN, TOMATOES, RED BEANS, PEAS; CANNED FRUITS—NAMELY, PEACHES AND PINEAPPLES; PACKAGED DRIED FRUITS; ALL PURPOSE FAMILY FLOUR, MADE FROM WHEAT; IMITATION PRESERVES COMPOSED OF CORN SYRUP, APPLE PECTIN, SUGAR, FRUITS AND FLAVORS, MACARONI, SPAGHETTI, CANNED SALMON, AND COFFEE.
Claims use since June 1, 1940.

393,702. (CLASS 37. PAPER AND STATIONERY.) SKINNER & KENNEDY STATIONERY COMPANY, St. Louis, Mo. Filed Dec. 6, 1940. Serial No. 438,590.

TUFFPOINT

FOR PENCILS.
Claims use since Nov. 19, 1940.

393,703. (CLASS 39. CLOTHING.) LAROS TEXTILES COMPANY, Bethlehem, Pa. Filed Dec. 7, 1940. Serial No. 438,622.

Laros "NO-RIDE"

FOR LADIES' SLIPS.
Claims use since Sept. 30, 1940.

393,704. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Dec. 10, 1940. Serial No. 438,695.

SHIRT GRIPPERS

FOR WAIST BAND DEVICES MADE OF RUBBER FOR HOLDING GARMENTS IN POSITION ON THE WEARER.
Claims use since Sept. 9, 1940.

393,705. (CLASS 39. CLOTHING.) COURTNEY, INC., New York, N. Y. Filed Dec. 20, 1940. Serial No. 439,043.

MEET
Jane Courtney
THE PERFECT JUNIOR MISS

FOR JUNIORS' AND MISSES' DRESSES.
Claims use since September, 1940.

393,706. (CLASS 25. LOCKS AND SAFES.) SAMUEL GREENBERG, doing business as Automatic Gas-Loc Mfg. Co., Chicago, Ill. Filed Dec. 23, 1940. Serial No. 439,103.

STA-ON

FOR GAS TANK LOCKS.
Claims use since Nov. 1, 1940.

393,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO ROTH & CO., INC., New York, N. Y. Filed Jan. 10, 1941. Serial No. 439,559.



FOR CHEESE.
Claims use since Nov. 1, 1940.

393,708. (CLASS 39. CLOTHING.) VENUS FOUNDATION GARMENTS, INC., Chicago, Ill. Filed Jan. 17, 1941. Serial No. 439,765.

"Twin-Bak"

FOR WOMEN'S UNDERGARMENTS CONSISTING OF FOUNDATION GARMENTS, GIRDLES, CORSETS, GARTER BELTS, BRASSIÈRES, AND BANDEAUX.
Claims use since Dec. 20, 1940.

393,709. (CLASS 14. METALS AND METAL CASTINGS, AND FORGINGS.) SERVICE ENGRAVING WORKS, New York, N. Y. Filed Jan. 29, 1941. Serial No. 440,101.

"SERVICE-TYPE"

FOR METAL PRINTING TYPE USED FOR PRINTING, STAMPING, AND EMBOSSING.
Claims use since Jan. 10, 1941.

393,710. (CLASS 39. CLOTHING.) BALLY INC., New York, N. Y. Filed Feb. 5, 1941. Serial No. 440,309.

Swiss-aire

FOR LADIES' AND MISSES' SHOES AND SLIPPERS, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since November, 1940.

393,711. (CLASS 39. CLOTHING.) FARIS BROTHERS, New York, N. Y. Filed Feb. 21, 1941. Serial No. 440,857.

Hand Look

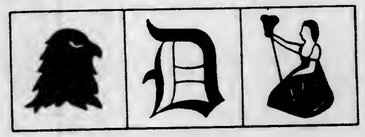
FOR WOMEN'S AND MISSES' LINGERIE—NAMELY, HOUSECOATS, BED JACKETS, NIGHTGOWNS, SLIPS, PANTIES, NEGLIGEES, AND PAJAMAS.
Claims use since Oct. 25, 1940.

393,712. (CLASS 39. CLOTHING.) THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Apr. 30, 1941. Serial No. 443,129.

DRESS-N-PLAY

FOR OUTER SHIRTS.
Claims use since Dec. 30, 1940.

393,713. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GOLD RECOVERY & REFINING CORPORATION, New York, N. Y. Filed May 20, 1941. Serial No. 443,718.



Dunkirk

FOR PRECIOUS METAL WARE, STERLING SILVER HOLLOW WARE.
Claims use since May 15, 1939.

393,714. (CLASS 39. CLOTHING.) AMERICAN SILK HOSIERY MILLS, Indianapolis, Ind. Filed June 4, 1941. Serial No. 444,170.

Snag Protected

FOR HOSIERY.
Claims use since Dec. 29, 1940.

393,715. (CLASS 39. CLOTHING.) H. J. JUSTIN & SONS, INC., Fort Worth, Tex. Filed June 12, 1941. Serial No. 444,457.

THE Maverick

FOR LEATHER SHOES AND BOOTS.
Claims use since December, 1940.

393,716. (CLASS 39. CLOTHING.) DESMOND'S, Los Angeles, Calif. Filed Aug. 4, 1941. Serial No. 445,921.

DESMOND'S
Low Oval  Collar

FOR MEN'S, WOMEN'S, BOYS' SHIRTS AND BLOUSES.
Claims use since Sept. 19, 1940.

393,717. (CLASS 39. CLOTHING.) MILROE DRESS, INC., New York, N. Y. Filed Oct. 3, 1941. Serial No. 447,525.

Jane Evans

FOR LADIES' AND MISSES' DRESSES, SKIRTS, COATS, JACKETS, BLOUSES, AND SUITS.
Claims use since Apr. 2, 1937.

393,718. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 13, 1941. Serial No. 448,606.

BROMPTON

FOR TOBACCO PIPES.
Claims use since Dec. 15, 1936.

393,719. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y. Filed Nov. 13, 1941. Serial No. 448,629.

Jewels by TRIFARI

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES.
Claims use since Jan. 2, 1939.

TRADE-MARK REGISTRATIONS RENEWED

20,563. **THE TAYLOR.** ROOFING TIN. Registered January 5, 1892. N. & G. TAYLOR Co., Philadelphia, Pa. Re-renewed January 5, 1942, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey, assignee by mesne assignments.

20,737. **DIAMOND.** BOOTS AND SHOES. Registered February 16, 1892. PETERS SHOE COMPANY. Re-renewed February 16, 1942, to International Shoe Co., St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

20,770. **NONPAREIL.** REFINED OIL. Registered February 23, 1892. THE DEVOE MANUFACTURING COMPANY. Re-renewed February 23, 1942, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

20,848. **"MASTIFF".** RUBBER BELTING, HOSE, AND PACKING. Registered March 15, 1892. REVERE RUBBER COMPANY, Boston, Mass. Re-renewed March 15, 1942, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

21,085. **LYPSYL.** COSMETICS, SALVE, AND OINTMENTS. Registered May 10, 1892. BLONDEAU ET CIE., New York, N. Y. Re-renewed May 10, 1942, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee by mesne assignments.

21,425. **BON AMI.** SOAP AND OTHER CLEANING AND DETERGENT PREPARATIONS. Registered July 5, 1892. THE J. T. ROBERTSON SOAP COMPANY, Manchester, Conn. Re-renewed July 5, 1942, to The Bon Ami Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

133,490. **POOR'S.** CERTAIN NAMED PUBLICATIONS. Registered July 27, 1920. POOR'S PUBLISHING COMPANY. Renewed July 27, 1940, to Poor's Publishing Company, New York, N. Y., a corporation of Massachusetts, assignee.

145,458. **SUNBOWL.** ELECTRIC HEATING-RADIATORS. Registered August 2, 1921. SIMPLEX ELECTRIC HEATING Co., Boston, Mass. Renewed August 2, 1941, to General Electric Company, Schenectady, N. Y., a corporation of New York, successor.

147,763. **CONKLIN CRESCENT.** FOUNTAIN-PENS. Registered November 1, 1921. THE CONKLIN PEN MANUFACTURING Co., Toledo, Ohio. Renewed November 1, 1941, to Conklin Pen Company, Chicago, Ill., a corporation of Illinois, assignee.

148,914. **PEN ANGLE.** MEN'S, LADIES', AND CHILDREN'S KNITTED UNDERWEAR, HOSIERY, SWEATER AND JERSEY COATS. Registered November 29, 1921. PENMANS LIMITED, Paris, Ontario, Canada, a corporation of the Dominion of Canada. Renewed November 29, 1941.

149,190. **EXCELLO.** MEN'S SUSPENDERS AND HOSE-SUPPORTERS. Registered December 6, 1921. NU-WAY STRECH SUSPENDER Co. Renewed December 6, 1941, to Nu-Way Strech Company, Adrian, Mich., a corporation of Michigan, assignee.

150,310. **LINCOLN.** DESKS. Registered January 3, 1922. COMMERCIAL FURNITURE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 3, 1942.

150,372. **FOX SOX.** SOCKS FOR MEN AND CHILDREN. Registered January 3, 1922. THE FOX RIVER VALLEY KNITTING Co., Appleton, Wis., a corporation of Wisconsin. Renewed January 3, 1942.

150,402. **LANO-FUME.** A SALVE FOR CERTAIN NAMED PURPOSES. Registered January 3, 1922. PERCY HOHL, Preston, Idaho. Renewed January 3, 1942, to Percy Hohl, Everett, Wash.

150,462. **MIAMI.** SILK PIECE GOODS. Registered January 3, 1922. H. R. MALLINSON & Co. INC. Renewed January 3, 1942, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee.

150,589. **CAROLINA.** SELF-RISING WHEAT FLOUR. Registered January 3, 1922. STAR MILLING COMPANY. Renewed January 3, 1942, to T. O. Morrison, doing business as Star Milling Company, Statesville, N. C., successor.

150,785. **U-RE-LITE.** ELECTRIC SWITCHES AND CERTAIN NAMED CIRCUIT BREAKERS. Registered January 10, 1922. THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY. Renewed January 10, 1942, to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

150,787. **PHOROPTOR.** EYE-TESTING INSTRUMENTS FOR TESTING THE REFRACTIVE MEDIA AND MOTOR MUSCLES OF THE EYE. Registered January 10, 1922. HENRY L. DE ZENG, Camden, N. J. Renewed January 10, 1942, to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts, assignee by mesne assignments.

150,861. **ARMY AND NAVY.** NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered January 10, 1922. THOMAS B. KANE, Philadelphia, Pa. Renewed January 10, 1942.

150,878. **LETALOG.** ENVELOPES AND MAILING CONTAINERS. Registered January 10, 1922. LETALOG MAILER Co. Renewed January 10, 1942, to Gaw-O'Hara Envelope Co., Chicago, Ill., a corporation of Illinois, successor.

150,898. **ARMCO.** CERTAIN NAMED BLANKS AND BLANK BOOKS. Registered January 10, 1922. ALFRED R. MAUL, Minneapolis, Minn. Renewed January 10, 1942.

151,194. **EDINBROGUE.** LEATHER. Registered January 24, 1922. MONARCH LEATHER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 24, 1942.

151,357. **"DANDY".** BOTTLE BOXES, WOOD AND METAL COMBINED; BOTTLE BOXES, WOODEN; PACKING BOXES, WOODEN. Registered January 31, 1922. REPUBLIC BOX Co. Renewed January 31, 1942, to Republic Box Company, Chicago, Ill., a copartnership, assignee.

151,427. **DOUBLE B.** PRINTERS'-INK VARNISH. Registered February 7, 1922. EMIL B. BECCARD, St. Louis, Mo. Renewed February 7, 1942, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, successor.

151,487. **SALAMANDER.** ASBESTOS INSULATED ELECTRIC WIRES. Registered February 7, 1922. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Renewed February 7, 1942.

151,488. **NOVALUX.** ELECTRIC-LIGHT FIXTURES. Registered February 7, 1922. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Renewed February 7, 1942.

151,553. **ALIZAROL.** DYES, DYESTUFFS, AND COLORS. Registered February 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC. Renewed February 7, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

151,556. **DUROL.** DYES, DYESTUFFS, AND COLORS. Registered February 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC. Renewed February 7, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

151,557. **CARBANTHRENE.** DYES, DYESTUFFS, AND COLORS. Registered February 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC. Renewed February 7, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

151,558. **ALPHAZURINE.** DYES, DYESTUFFS, AND COLORS. Registered February 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC. Renewed February 7, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

151,860. **MAGGI.** SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, AND OTHER DISHES; SOUPS, CONSOMMÉ, BOUILLON, SAUCES, AND GRAVIES. Registered February 14, 1922. THE MAGGI Co., Kemptthal, Zurich, Switzerland. Renewed February 14,1942, to Maggi Co., New York, N. Y., a corporation of New York, assignee.

152,006. **ELITE.** A DRESSING FOR SHOES AND OTHER ARTICLES MADE OF LEATHER. Registered February 14, 1922. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed February 14, 1942.

152,344. **REPRESENTATION OF CROSSED-ARROWS SEAL.** ROAD AND ROOFING OILS AND PETROLEUM ASPHALTS AND PITCHES. Registered February 28, 1922. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed February 28, 1942.

152,447. **KOEHRING HEAVY DUTY.** CONCRETE MIXERS, CONCRETE-DISTRIBUTING MACHINES, LOADING SKIPS, GRADERS, LOCOMOTIVE CRANES, AND PAVING MACHINES. Registered February 28, 1922. KOEHRING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed February 28, 1942.

152,455. **MOLLY O.** SILK PIECE GOODS. Registered February 28, 1922. H. R. MALLINSON & Co. INC. Renewed February 28, 1942, to Mallinson Fabric Corporation, New York, N. Y., a corporation of New York, assignee.

152,530. **BEACON.** GOLF BALLS. Registered February 28, 1922. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed February 28, 1942, to United States Rubber Company, New York, N. Y.

152,701. **SILVER CROWN.** DRIED FRUITS, RAISINS, AND SEEDLESS RAISINS. Registered March 7, 1922. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed March 7, 1942.

152,773. **VELTEX.** ALL PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS, LUBRICATING GREASES, AND GASOLINE. Registered March 7, 1922. FLETCHER OIL COMPANY, Boise, Idaho, a firm. Renewed March 7, 1942.

152,793. **STEELCOAT.** PAINT FOR STRUCTURAL STEEL. Registered March 7, 1922. THE GOHEEN CORPORATION, Wilmington, Del., and Warren, Ohio. Renewed March 7, 1942, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

153,058. **TEL AND TEL.** CIGARS. Registered March 7, 1922. JOSEPH WHITCOMB & Co., Springfield, Mass. Renewed March 7, 1942, to E. Waegemans & Son, Inc., Bridgeport, Conn., a corporation of Connecticut, assignee by mesne assignments.

153,142. **EMPIRE.** ROPE, TWINE, AND CORDAGE OF VEGETABLE FIBER. Registered March 14, 1922. COLUMBIA ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed March 14, 1942.

153,204. **FILLRITE.** CERTAIN NAMED CONSTRUCTION MATERIAL. Registered March 14, 1922. G. F. HORTON. Renewed March 14, 1942, to George F. Horton, doing business as Horton & Horton, Houston, Tex.

153,309. **QUALITY SEAL.** BROOMS. Registered March 14, 1922. THE SOUTHWESTERN BROOM MFG. Co., Evansville, Ind., a corporation of Indiana. Renewed March 14, 1942.

153,341. **'ROYAL CORD'.** INSULATED WIRE CABLE. Registered March 14, 1922. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed March 14, 1942, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

153,393. **LASTIK.** BARRELS WITH SHEET-RUBBER LININGS. Registered March 21, 1922. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed March 21, 1942, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

153,442. **ADIRONDACK.** BOND, LEDGER, BOOK, COVER, AND WRITING PAPER. Registered March 21, 1922. FISCHEL PAPER Co., INC., Albany, N. Y. Renewed March 21, 1942, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

153,543. **BULKWELL.** BOOK PAPERS. Registered March 21, 1922. STONE & ANDREW INC. Renewed March 21, 1942, to John Carter & Company, Incorporated, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

153,652. **REPRESENTATION OF CROSSED-ARROWS SEAL.** MEDICINAL OILS DERIVED FROM PETROLEUM, PETROLATUMS, GLYCERINUM PETRAE, AND WOOL OILS. Registered March 28, 1922. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 28, 1942.

153,731. **CREPE DE CHINE.** TISSUE TOILET PAPER. Registered March 28, 1922. GRAHAM PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed March 28, 1942.

153,804. **NACCO.** COAL-TAR DYESTUFFS. Registered March 28, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC. Renewed March 28, 1942, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

153,811. **SOTA.** WHEAT FLOUR. Registered March 28, 1922. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn., and New York, N. Y. Renewed March 28, 1942, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

153,961. **NORMAN.** WRITING AND PRINTING PAPERS AND MAILING ENVELOPES. Registered April 4, 1922. AMERICAN WRITING PAPER COMPANY. Renewed April 4, 1942, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

154,038. **G-R.** OIL HEATERS, OIL AND GAS WATER HEATERS, AND HEAT EXCHANGERS. Registered April 4, 1922. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed April 4, 1942.

154,226. **BASSICK.** CERTAIN ARTICLES OF HARDWARE. Registered April 11, 1922. THE BASSICK COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed April 11, 1942.

154,252. **CSC.** CERTAIN NAMED CHEMICALS. Registered April 11, 1922. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y., a corporation of Maryland. Renewed April 11, 1942.

154,364. **PHELAN'S SPREDLITE.** WASHABLE OIL PAINT. Registered April 11, 1922. PHELAN-FAUST PAINT MANUFACTURING COMPANY. Renewed April 11, 1942, to Phelan-Faust Paint Manufacturing Company, St. Louis, Mo., a corporation of Missouri, assignee.

154,405. **UPACO.** ADHESIVE PASTES COMPOSED MAINLY OF VEGETABLE SUBSTANCES. Registered April 11, 1922. UNION PASTE COMPANY, Boston, Mass., a firm. Renewed April 11, 1942.

154,521. **REPRESENTATION OF A MOUNTAIN.** MALTED, MILK, MALT SIRUP, BEING A FOOD SIRUP, AND FLAKED SKIM MILK. Registered April 18, 1922. THE ADOLPH COORS B. & M. COMPANY. Renewed April 18, 1942, to Adolph Coors Company, Golden, Colo., a corporation of Colorado, by change of name.

154,548. **FOX SOX.** SOCKS FOR MEN AND CHILDREN. Registered April 18, 1922. FOX RIVER VALLEY KNITTING COMPANY. Renewed April 18, 1942, to The Fox River Valley Knitting Co., Appleton, Wis., a corporation of Wisconsin.

154,616. **LUDEN'S.** CANDIES AND CHOCOLATES. Registered April 18, 1922. WILLIAM H. LUDEN. Renewed April 18, 1942, to Luden's, Inc., Reading, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

154,668. **BIG YANK.** WORK SHIRTS. Registered April 18, 1922. RELIANCE MANUFACTURING COMPANY. Renewed April 18, 1942, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

154,716. **TOUNCOAT.** WATERPROOF COATS. Registered April 18, 1922. A. J. TOWER COMPANY. Renewed April 18, 1942, to A. J. Tower Company, Boston, Mass., a corporation of Massachusetts, assignee.

154,893. **DEL MONTE.** GRAPE JUICE, PINEAPPLE JUICE, AND LOGANBERRY JUICE. Registered May 16, 1922. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed May 16, 1942.

154,962. **GEM.** LUBRICATING OILS AND GREASES. Registered May 16, 1922. A. W. HARRIS OIL COMPANY, Providence, R. I. Renewed May 16, 1942, to A. W. Harris Oil Company, Phillipsdale, R. I., a corporation of Rhode Island.

154,993. **THE BAT.** TENNIS BASKETS. Registered May 16, 1922. HARRY C. LEE & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 16, 1942.

155,289. **ROCKY MOUNTAIN.** REFRIGERATORS. Registered May 23, 1922. ISAAC FRANK STEVENS. Renewed May 23, 1942, to The Maine Manufacturing Company, Nashua, N. H., a corporation of New Hampshire, successor.

155,290. **GREEN MOUNTAIN.** REFRIGERATORS. Registered May 23, 1922. ISAAC FRANK STEVENS. Renewed May 23, 1942, to The Maine Manufacturing Company, Nashua, N. H., a corporation of New Hampshire, successor.

155,506. **PENBERTHY.** CENTRIFUGAL PUMPS, HYDRAULIC PUMPS, ATOMIZERS FOR VAPOR CONDUITS, CARBURETORS, INJECTORS, EJECTORS, OIL CUPS, GREASE CUPS, PRIMING CUPS, AND LUBRICATORS. Registered May 30, 1922. PENBERTHY INJECTOR COMPANY, Detroit, Mich., a corporation of Delaware. Renewed May 30, 1942.

155,624. **JUST A TOUCH.** TOILET POWDERS AND COMPACTS. Registered June 6, 1922. A. BOURJOIS & CO. INC. Renewed June 6, 1942, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

155,705. **LA SORELLA.** SALAD OIL—VIZ, COTTONSEED OIL FLAVORED WITH OLIVE OIL. Registered June 6, 1922. MORRIS HELLER, New York, N. Y. Renewed June 6, 1942, to Morris Heller, doing business as Venice Importing Co., Brooklyn, N. Y.

155,706. **SAN MICHELE.** SALAD OIL—VIZ, COTTONSEED OIL FLAVORED WITH OLIVE OIL. Registered June 6, 1922. MORRIS HELLER, New York, N. Y. Renewed June 6, 1942, to Morris Heller, doing business as Venice Importing Co., Brooklyn, N. Y.

155,813. **REPRESENTATION OF A CHECKER DESIGN.** A WATER-GLASS EGG PRESERVER. Registered June 6, 1922. RUTLAND FIRE CLAY CO., Rutland, Vt., a corporation of Vermont. Renewed June 6, 1942.

155,853. **UNITED.** SWITCH BOXES, MOTOR INCLOSURES, AND SAFETY SWITCHES. Registered June 6, 1922. UNITED METAL BOX CO., New York, N. Y. Renewed June 6, 1942, to United Metal Box Co., Inc., Brooklyn, N. Y., a corporation of New York, assignee.

155,874. **WORTHINGTON.** BATTERY LIGHTING PLANTS, ELECTRIC LIGHTING PLANTS AND SWITCHBOARDS. Registered June 6, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Renewed June 6, 1942, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware, assignee.

155,972. **G–R.** AIR AND GAS COMPRESSORS, VAPOR CONDENSERS, AND LIQUID EVAPORATORS. Registered June 13, 1922. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed June 13, 1942.

156,031. **NACO.** STEAM-PIPE COVERINGS AND INSULATIONS, INCLUDING ASBESTOS, ROOFING CEMENTS, AND PREPARED ROOFINGS, INCLUDING ASBESTOS. Registered June 13, 1922. NOTT-ATWATER COMPANY. Renewed June 13, 1942, to Nott-Atwater Company, Spokane, Wash., a corporation of Washington, assignee.

156,155. **REPRESENTATION OF A MOUNTAIN.** NON-ALCOHOLIC, MALT, CEREAL BEVERAGES. Registered June 20, 1922. THE ADOLPH COORS B. & M. COMPANY. Renewed June 20, 1942, to Adolph Coors Company, Golden, Colo., a corporation of Colorado, by change of name.

156,200. **CARNEGIE.** ROLLED-METAL RAILS, BARS, PLATES AND OTHER ROLLED-METAL SHAPES. Registered June 20, 1922. CARNEGIE STEEL COMPANY. Renewed June 20, 1942, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, by change of name and merger.

156,231. **McGREGOR.** CAPS FOR MEN. Registered June 20, 1922. DAVID D. DONIGER & CO. INC., New York, N. Y., a corporation of New York. Renewed June 20, 1942.

156,255. **MAGIC.** CHILDREN'S DRAWING BOOKS. Registered June 20, 1922. SAMUEL GABRIEL SONS & COMPANY, New York, N. Y., a corporation of New York. Renewed June 20, 1942.

156,268. **FLAVORSEALD.** WRAPPING PAPER. Registered June 20, 1922. GRAHAM PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 20, 1942.

156,283. **G–R.** PRESSURE REGULATORS, STRAINERS, EXPANSION JOINTS, AND FEED-WATER-PURIFYING APPARATUS, INCLUDING GREASE EXTRACTORS. Registered June 20, 1922. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed June 20, 1942.

156,660. **ECONOMY.** DRIED EGG, MERINGUE POWDER, AND PIE FILLING. Registered July 11, 1922. ECONOMY FOOD PRODUCTS COMPANY, Cambridge, Mass. Renewed July 11, 1942, to Economy Food Products Company, Boston, Mass., a corporation of Massachusetts.

156,686. **HENDLERS.** ICE CREAM. Registered July 11, 1922. THE HENDLER CREAMERY COMPANY, Baltimore, Md. Renewed July 11, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

156,687. **CHOCLAMOND.** ICE CREAM. Registered July 11, 1922. THE HENDLER CREAMERY COMPANY, Baltimore, Md. Renewed July 11, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

156,704. **MASTER.** ELECTRIC MOTORS AND PARTS THEREOF, SHORT CIRCUITERS, CENTRIFUGALLY-OPERATED ELECTRIC CUT-OUTS. Registered July 11, 1922. The Master Electric Company, Dayton, Ohio, a corporation of Ohio. Renewed July 11, 1942.

156,720. **AMERICAN BEAUTY.** IMITATION PEARLS. Registered July 11, 1922. NEW ENGLAND GLASS WORKS, Providence, R. I., a firm. Renewed July 11, 1942.

156,736. **INVINCIBLE.** COOKING FATS. Registered July 11, 1922. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 11, 1942.

156,788. **WORTHINGTON.** LIQUID METERS, PISTON METERS, DISK METERS, TURBINE METERS, BOILER-FEED METERS, DISK COUNTERS. Registered July 11, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Renewed July 11, 1942, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware, assignee.

156,789. **REPRESENTATION OF A WINGED DISK.** LIQUID METERS, PISTON METERS, DISK METERS, TURBINE METERS, WEIGHT METERS, FLOW METERS, BOILER-FEED METERS, DISK COUNTERS. Registered July 11, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Renewed July 11, 1942, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware, assignee.

156,790. **REPRESENTATION OF A WINGED DISK.** BATTERY LIGHTING PLANTS, ELECTRIC-LIGHTING PLANTS, SWITCHBOARDS. Registered July 11, 1922. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Renewed July 11, 1942, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware, assignee.

REISSUES

FEBRUARY 24, 1942

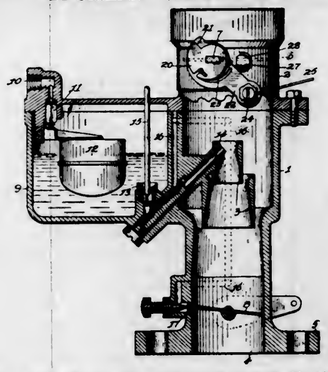
22,030

CARBURETOR VALVE

Henry A. Boller, Walled Lake, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Original No. 2,192,703, dated March 5, 1940, Serial No. 156,338, July 29, 1937. Application for reissue July 24, 1940, Serial No. 347,309

14 Claims. (Cl. 251—125)



1. In a carburetor, mixture conduit structure, an unbalanced, butterfly valve mounted therein and movable to a position to substantially close said conduit, the entire valve being movable in the normal opening direction from said position and in an abnormal opening direction, means for closing said valve from its normal open position, means resisting said closing movement, and means yieldingly resisting movement of said valve in said abnormal opening direction from its closed position.

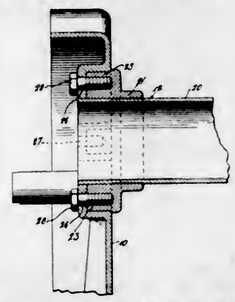
22,031

MOWER

Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros. Inc., Middletown, N. Y., a corporation of New York

Original No. 2,266,165, dated December 16, 1941, Serial No. 256,378, February 14, 1939. Application for reissue December 20, 1941, Serial No. 424,536

3 Claims. (Cl. 56—249)



1. In a lawn mower of the type having a separable frame, a wheel mounted on each end of said frame, and a cutter mechanism mounted on said frame between said wheels, a frame comprising two spaced side frame members adapted to carry said wheels, and said cutter mechanism, and a tie tube interfitting at each end with one of said side frame members, said tube having a plurality of keys angularly spaced about its periphery, each rigidly and integrally secured to the tube, and said side frame members each having recesses accurately corresponding to said keys, said keys being engaged in said recesses, and removable means for locking said parts rigidly together.

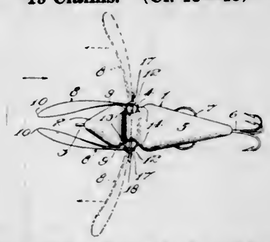
22,032

FISH BAIT

James L. Donaly, deceased, late of Newark, N. J., by Louise M. Donaly and Helen M. Donaly, Bloomfield, N. J., assignees

Original No. 1,677,176, dated July 17, 1928, Serial No. 112,223, May 28, 1926. Application for reissue November 8, 1941, Serial No. 418,424

15 Claims. (Cl. 43—48)



1. A fish bait having a body, lateral wings at opposite sides of said body non-rotatable with respect thereto and adapted to swing between a laterally projecting position and a forwardly folded position, said wings being transversely shaped so as to tend to move vertically in the water when the bait is drawn forward, means for attaching a line to the front of the body, and means for attaching hooks to said body.

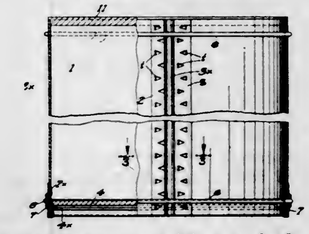
22,033

CONTAINER AND SEAM CLOSURE THEREFOR

Hugh F. Curry, Englewood, N. J.

Original No. 2,178,778, dated November 7, 1939, Serial No. 205,666, May 3, 1938. Application for reissue July 31, 1941, Serial No. 404,950

5 Claims. (Cl. 229—48)



1. A container comprising a body piece of flexible material adapted to be bent into cylindri-

cal form, a flanged staple strip having teeth connecting it with the body piece at one marginal edge thereof, a second staple strip having teeth connecting it with the body piece at the opposite marginal edge thereof and formed with a flange adapted to interlock with the flange of the first-named staple strip, the said staple strips flanges being adapted, after interlocking and compression, to move the longitudinal edges of the body piece into mutual abutment.

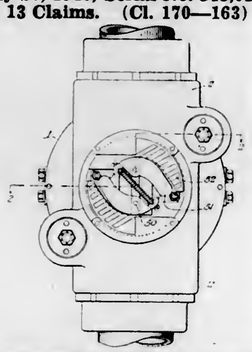
22,034

VARIABLE PITCH PROPELLER MECHANISM

Walter S. Hoover, West Hartford, Conn.

Original No. 2,184,143, dated December 19, 1939, Serial No. 755,031, November 27, 1934. Renewed September 15, 1936. Application for reissue July 27, 1940, Serial No. 348,011

13 Claims. (Cl. 170—163)



13. In combination with a controllable pitch propeller having a hub structure, a plurality of blades rotatably mounted therein, fluid pressure actuating means for said blades, a valve rotatable with said propeller controlling the flow of fluid to said actuating means, a source of boosted fluid pressure communicating with said valve, a governor for said valve rotatable with the propeller, electromagnetic means for controlling said valve at the will of the operator, and an internal mass rotatable with the propeller developing a force counterbalancing the centrifugal moment of the blades.

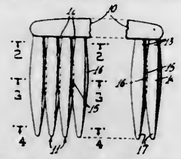
22,035

HAIR DEVICE

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Original No. 2,255,618, dated September 9, 1941, Serial No. 371,653, December 26, 1940. Application for reissue November 28, 1941, Serial No. 420,869

7 Claims. (Cl. 132—21)



7. A hair device of the character described comprising a back and a plurality of teeth extending therefrom, said teeth having their lower ends spaced apart and having pockets between their root portions, each pair of teeth having intermediate portions that overlap resiliently below the pockets to permit passage of hair into the pockets and to lock the hair therein, the spacing of the lower ends of the teeth being adapted to control the amount of hair to be received in the pockets, and said pockets being of a shape and area to wedge and grip the hair received therein.

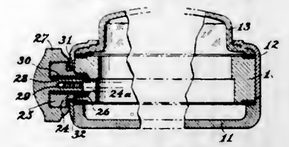
22,036

WATCHCASE

Samuel Kramer, New York, N. Y., assignor to Pioneer Watch Case Co., Inc., Mount Vernon, N. Y., a corporation of New York

Original No. 2,229,979, dated January 28, 1941, Serial No. 277,793, June 7, 1939. Application for reissue June 14, 1941, Serial No. 398,169

6 Claims. (Cl. 58—90)



2. In combination in a watchcase, a movement ring, a bezel having a bore to receive said movement ring in relatively close engagement, a recess running around the upper peripheral portion of said ring, a compressible gasket seated in said ring, a crystal having peripheral portions extending between the bezel and the gasket, and means for drawing said bezel against said crystal, whereby said crystal will press against said gasket and will compress it axially and expand it radially so as to cause its peripheral portions to press against the wall of the bore in said bezel, and to effect a watertight joint between said ring on the one hand and said crystal and said bezel on the other hand.

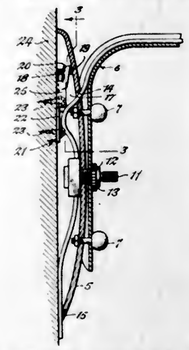
22,037

ELECTRIC LIGHTING FIXTURE OF THE PORTABLE WALL LAMP TYPE

Joseph Markel and Abraham Weinberg, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York

Original No. 2,229,704, dated January 28, 1941, Serial No. 331,426, April 24, 1940. Application for reissue September 25, 1941, Serial No. 412,348

3 Claims. (Cl. 248—224)



3. A lamp bracket comprising an elongated plaque adapted to be secured upon a wall, a hanger bar for supporting said plaque in vertical position upon a wall, a hook disposed adjacent the upper end of said hanger bar, a portion of said hanger bar being deflected outwardly, said plaque having means formed integrally therewith for engaging said hook and also adapted to engage the deflected portion of said hanger bar so as to hold said plaque in vertical position on the wall.

22,038

PREPARATION OF ANTIRACHITIC SUBSTANCES

Nicholas A. Milas, Belmont, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Original No. 2,117,100, dated May 10, 1938, Serial No. 665,135, April 8, 1933. Application for reissue May 1, 1940, Serial No. 332,818

12 Claims. (Cl. 204—156)



11. The method of producing vitamin D which comprises vaporizing activatable material, and subjecting said material while in the vapor state to a high frequency electrical oscillating discharge under a high vacuum to impart thereto the antirachitic (vitamin D) property.

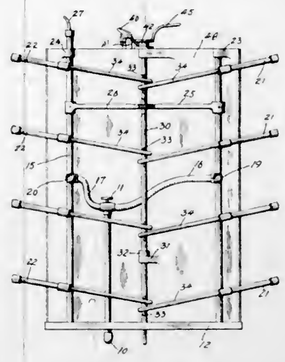
22,039

ORCHARD SPRAYER

Henry R. Vaage, Alhambra, Calif., assignor to Hardie Manufacturing Company, Hudson, Mich., a corporation of Michigan

Original No. 2,218,776, dated October 22, 1940, Serial No. 228,587, September 6, 1938. Application for reissue April 28, 1941, Serial No. 390,851

8 Claims. (Cl. 299—39)



1. A portable device for spraying liquid under pressure from a tank comprising a bracket rearwardly projecting from said tank, a V-shaped frame rising from said bracket, a pair of standpipes within the V of said frame, series of horizontally projecting nipples on said standpipes, nozzles journaled on said nipples for vertical swinging movement, and means for rotating said pipes to swing said nozzles horizontally.

22,040

BUCKLE

Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware

Original No. 2,219,537, dated October 29, 1940, Serial No. 230,618, September 19, 1938. Application for reissue October 23, 1941, Serial No. 416,281

12 Claims. (Cl. 24—196)



7. A slide buckle, comprising a pair of slidably engaged frames lying in a face-to-face relation, one of said frames having spaced side bars and spaced cross bars defining an opening therethrough, the other of said frames including a gripping bar cooperating with one of said cross bars on the other frame, one of said co-operating bars being inclined in a plane across the path of movement of the other co-operating bar, and a strap having one end enveloping and being secured to said gripping bar and extending therefrom into a loop portion and thereafter between said gripping bar and said co-operating cross bar to be clamped thereby upon relative longitudinal movement of said frames, the free end of the strap passing through the opening in the frame.

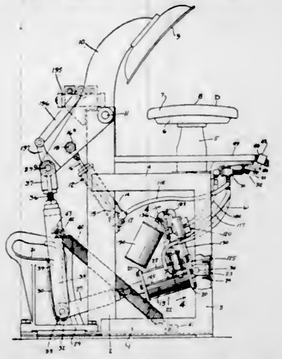
22,041

MULTICYLINDER PRESSING MACHINE

John F. Raynolds, Minneapolis, Minn., assignor to The Unipress Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota

Original No. 2,242,481, dated May 20, 1941, Serial No. 309,016, December 13, 1939. Application for reissue October 10, 1941, Serial No. 414,500

6 Claims. (Cl. 38—41)



1. In a garment or laundry press, a frame, a presser arm pivoted intermediate its ends for oscillation with respect to said frame, a pair of cooperating pressing elements, one mounted on the frame and another on the arm, a link pivoted to said arm at a point removed from the pivot point of the arm on the frame, and a longitudinally extensible fluid motor, pivoted at one end to said frame and pivotally connected at the other end to said link, a cam surface for guiding

the pivotal junction point of said link and said longitudinally extensible motor, comprising a segment of a circumference smoothly joined to a substantially arcuate wedge oriented so that motion of the junction point along said arcuate wedge moves the press toward closed position, motor means for moving the pivotal junction of said longitudinally extensible motor and said link along said cam surface, and two-hand control means for simultaneously applying power to said motor means to initiate closing action of the press and fluid pressure to the fluid motor to effect movement of said pivotal junction point along the cam to cause final closing of the press.

PLANT PATENTS

GRANTED FEBRUARY 24, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

503
APRICOT
Emma Marie Fehr, Lewiston, Idaho
Application July 31, 1940, Serial No. 348,676
1 Claim. (Cl. 47—62)

A new and distinct variety of apricot tree, characterized particularly by its vigorous growth, early ripening and heavy production of fruit of superior size, rich mild sub-acid flavor of fine quality, firm flesh and superior handling and canning qualities, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 24, 1942

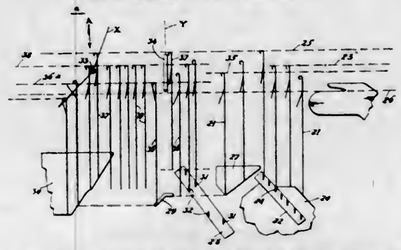
2,273,810
PRESERVED CASING AND METHOD OF PREPARING THE SAME
Nicholas M. Adams, Chicago, Ill., assignor to Wilson & Company, Inc., a corporation of Delaware
Application April 27, 1939, Serial No. 270,470
7 Claims. (Cl. 99—175)



1. The method of preserving a fresh animal casing, which comprises preliminarily treating it with an alkaline buffering material, drying the casing and storing the dried casing in the absence of preservative materials whereby the buffering agent improves the hydrophilic character of the gut.

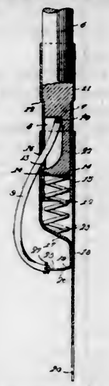
2. A sausage casing, comprising a dried porous natural animal casing, gas-dried, pliable, salt-free, non-sticking water absorptive, substantially free from bacteria, and containing a small amount of an alkaline buffering material.

2,273,811
METHOD OF KNITTING AND MACHINE THEREFOR
Harry Agulnek and Lester Mishcon, Brooklyn, N. Y., assignors to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.
Original application January 13, 1941, Serial No. 374,220. Divided and this application August 2, 1941, Serial No. 405,164
14 Claims. (Cl. 66—50)



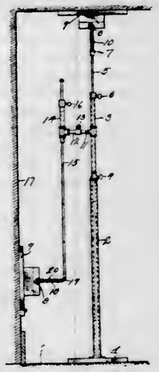
1. In an independent needle knitting machine, reverse plating means comprising means for simultaneously feeding two yarns in plating relation, and needle actuating means in individual association with predetermined plating needles and predetermined reversing needles for bringing them into operative engagement with said yarns, said actuating means including means operative upon said plating needles to cause them to take both of said yarns, means operative upon said reversing needles to cause them to take a selected one of said yarns, means to close the latch of each reversing needle after operatively taking its yarn, and means to hold each non-selected yarn in front of the closed latch of the coacting reversing needle, whereby said non-selected yarn in the following plating needles will be carried forwardly therein prior to the loop drawing.

2,273,812
DANDELION AND WEED PULLER
Clarence A. Banta, Alamosa, Colo.
Application April 12, 1941, Serial No. 388,327
5 Claims. (Cl. 294—50.9)



1. A garden implement of the character described comprising an elongated shaft, a cylinder for slidably receiving the lower end of said shaft, an arcuate-shaped arm pivotally mounted in the lower end of said shaft, said shaft and cylinder having aligned slots through which the intermediate portion of said arm extends, a gripping jaw carried on the free end of said arm, and a serrated portion formed on the lower end of said cylinder cooperating with said gripping jaw to extract weeds upon the actuation of said shaft.

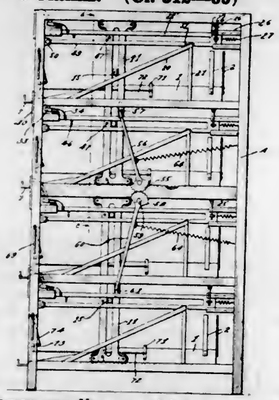
2,273,813
WALLPAPER STEAMING DEVICE
Bert Barber, Decatur, Ill.
Application November 29, 1940, Serial No. 367,854
1 Claim. (Cl. 216—8)



A wall paper steaming device comprising a supporting upright, said upright being formed from a plurality of telescopically engaged sections and an expansion spring surrounding the upper telescopic section and normally forcing the end thereof towards a ceiling, an outwardly extending arm

carried by one of the telescopic sections of the upright, a rotatable sleeve on said outwardly extending member, means for holding said sleeve in various rotated positions, a transverse sleeve carried by the outer end of the rotative sleeve, a steamer supporting arm axially adjustable in the transverse sleeve and in a plane parallel to the telescopic upright, a horizontal arm carried by one end of the steamer supporting arm and adapted to engage a steamer and hold the same against a wall and an expansion spring interposed between said last named steamer and a shoulder carried by the steamer supporting arm.

2,273,814
NEWSPAPER VENDING MACHINE
Rudolph Bartel and Willard Kirkendall, Wasco, Calif.
Application August 9, 1940, Serial No. 352,008
6 Claims. (Cl. 312—55)



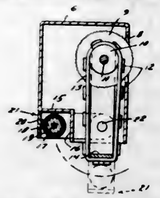
1. In a paper vending machine, a compartment for receiving a pile of papers and having a delivery opening in its front end for the passage of a paper, carriages at the sides of the compartment having vertical slots therein, a drag bar having its ends passing through the vertical slots, upwardly and rearwardly sloping bars at the sides of the compartment, a pair of U-shaped horizontally arranged locking members supported for sliding movement at the sides of the compartment, spring means for holding the locking members in their rearmost position, each member including a long upper limb and a short lower limb, the short limbs receiving the drag bar from the sloping bars when the locking members are in forward position, locking means manually releasable for engaging a locking member when the locking members have been moved to their forward positions, gate bars pivoted at their front ends to the front of the compartment, and having their rear ends resting on the rear ends of the sloping bars, said gate bars receiving the drag bar from the short limbs of the locking members if the carriages are moved forwardly with the locking members in forward position, said drag bar dropping from the short limbs of the locking members when the carriages move forwardly with the locking members in rearward position, means for causing the drag bar to move a paper off the pile as it is moved forwardly, after dropping, by the carriages to move a part of the said paper through the delivery opening, a hand lever for moving the carriages forwardly and means for normally holding the carriages in their rearward position, said drag bar moving up the sloping bars as the carriages move rearwardly.

2,273,815
BOAT PROPELLING AND MANEUVERING ATTACHMENT
John E. Bevington, Cleveland, Ohio
Application November 14, 1938, Serial No. 240,249
1 Claim. (Cl. 115—18)



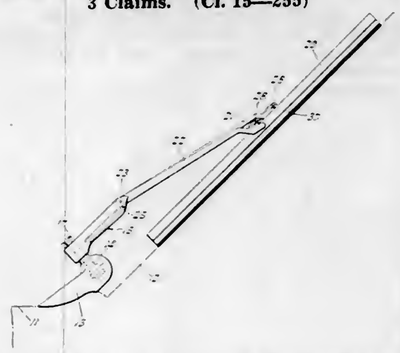
A propelling and maneuvering device comprising a mounting for attachment to a part of a boat, a member pivotally connected to the mounting so as to swing on a substantially horizontal axis that is approximately parallel to the plane of that part of the boat to which the mounting is attached, a support pivotally connected to said member to swing on a substantially horizontal axis at right angles to the former axis, a part carried by and extending laterally from the mounting below said member and at substantially right angles to the pivotal axis thereof, an open-sided spring-socket bearing element, means for adjustably connecting the same to the mounting with its open side opening in a direction at right angles to either of said horizontal axes, a frame having a part journaled in the support for rotation on a substantially vertical axis and a second part spaced from the former part normally journaled in said bearing element, driving mechanism supported by the frame above and forwardly of the support, a propeller adjacent the lower end of the frame, manually operated driving connections between said mechanism and the propeller, and means associated with each the member and support for locking said member or said support at will against oscillation on its respective pivotal axis, the driving mechanism involving an operating handle solely by which the action of the propeller and the controlled movements of the frame may be effected.

2,273,816
MARKING MACHINE
Merrill E. Boekeloo, Lancaster, Calif.
Application April 14, 1941, Serial No. 388,508
1 Claim. (Cl. 101—103)



In a marking machine including a housing having an opening in its bottom, a bar located below the opening and a type carrying belt passing under the bar, a yoke-shaped bail having the extremities of its arms pivoted to the inner faces and lower portions of the side walls of the housing, said housing having a recess in its lower portion offset from the opening, said recess being formed by an inwardly extending horizontal wall connected at its outer edge to the lower part of a wall of the housing and a vertical wall depending from the inner edge of the horizontal wall, the ends of the vertical wall being inwardly spaced relative to the planes of the walls to which the bail is pivoted with the legs of the bail passing by said ends when the bail is in raised position and an inking roller journaled in the legs of the bail adjacent the bight thereof, said bail when in raised position holding the inking roll in the recess with the bight of the bail closing the outer side of the recess.

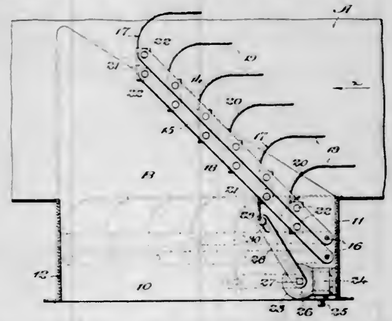
2,273,817
WINDSHIELD CLEANER
Walter J. Chellew, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 21, 1939, Serial No. 285,750
3 Claims. (Cl. 15—255)



1. In a windshield cleaner, a plurality of wiper elements in closely spaced substantially parallel relation adapting them to wipe over substantially the same surface portion of a windshield, a wiper head, a wiper arm for each wiper element supported by said head to carry the wiper element independently of another of said wiper elements in engagement with the surface of the windshield, each wiper arm having a detachable connection with the wiper element carried thereby, and one of said detachable connections being offset lengthwise of the wiper elements from the detachable connection of another of said wiper arms.

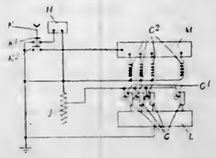
2,273,818
AIR FLOW CONTROL DEVICE
Joseph Louis Childers and Albert Edward Parker, Dallas, Tex.
Application April 24, 1939, Serial No. 269,706
1 Claim. (Cl. 98—40)

Means for deflecting fluid from a supply duct into a branch duct extending from said supply duct at substantially right angles thereto, said means comprising a self-contained unit including a casing corresponding in cross sectional size and shape to the branch duct to be slipped into the branch duct and fastened therein, said unit further including a plurality of blades having first and second end portions disposed at substantially right angles to each other, the first end portions of said blades being disposed substantially parallel to each other and also substantially parallel to the supply duct when said casing is disposed in the branch duct, the second end portions of said blades being disposed substantially parallel to each other and also substantially parallel to said casing, means mounting said blades in said casing for collective swinging movement between a position in which their first end portions are disposed substantially in alinement with each other transversely across said casing in closing relationship thereto and a position in which their first end portions are disposed in spaced, parallel relationship to each other within the supply duct and their second end portions are alined with said casing when the casing is disposed in the branch duct, so that fluid flowing through the supply duct is deflected by said blades into the



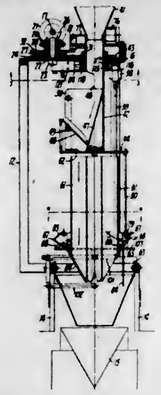
branch duct, said mounting means comprising parallel bars pivotally mounted upon said casing and to which said blades are pivoted at spaced points, and actuating means for swinging said bars to move said blades between their said two positions, said actuating means comprising a worm and a cooperating worm wheel mounted upon and within said casing, said worm having means engageable by a suitable implement to effect its rotation thereby to rotate the worm wheel, a longitudinally slotted arm fixed to the worm to be swung by rotation thereof, and a pin carried by one of said blades and extending through the slot in said arm so that swinging of said arm swings said blades.

2,273,819
APPARATUS FOR ELECTRICALLY ETCHING METALLIC ARTICLES
Ernest Albert Cooke, Douglas Claud Wynn Coltman, and Arthur Claud Phillips, Leicester, England, assignors to Kapella Limited, Leicester, England, a company of Great Britain
Application December 11, 1940, Serial No. 369,672
In Great Britain January 1, 1940
5 Claims. (Cl. 219—8)



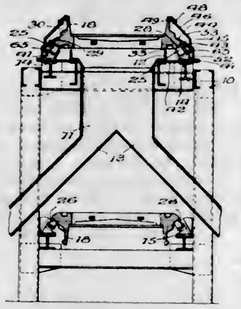
1. Apparatus for electrically etching metal articles, comprising in combination with the work to be etched, a plurality of javelins, means whereby a unidirectional etching voltage is applied to the javelins and the work, and alternating current means for rapidly vibrating the javelins to and from the work in a predetermined sequence.

2,273,820
CARBOT COUNTING MACHINERY
Wesley W. Dodge, Oakland, Calif.
Application September 9, 1940, Serial No. 356,007
12 Claims. (Cl. 214—1)



1. In a machine of the character described, an article discharge hopper, means supporting said hopper for rotation, a plurality of tubes arranged vertically in a bank with the upper end thereof in a receiving position in relation to said hopper, a closure hinged adjacent the bottom of each tube and movable thereon into an article retaining position on the tube, means carried by said hopper for moving a tube closure into said position, and means for releasing a plurality of the tube closures from said position.

2,273,821
SINTERING MACHINE
Charles E. Agnew, Norristown, Pa.
Application May 7, 1940, Serial No. 333,849
18 Claims. (Cl. 266—21)

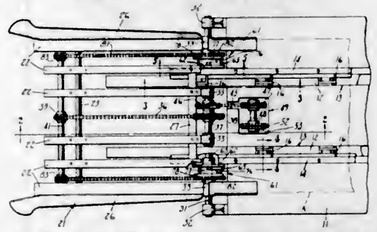


1. In a sintering machine, a wind box having an inlet opening, a stationary roller track-way having an upper section extending across the top of said opening and a lower return section extending back below the opening, and a plurality of pallets arranged to travel along said track-way, each pallet having on each side a pair of bearing surface portions, one a downwardly facing portion for engagement with the rollers of the upper track section in an upright position of the pallets and the other an upwardly facing portion for engagement with the rollers of the lower track in inverted position of the pallets, and in which the rollers of the upper section and the downwardly facing bearing surface portions of the pallets are inclined inwardly and downwardly of the pallets in the upright position of the pallets.

2,273,822
TREATMENT OF POLYSTYRENE
Ivey Allen, Jr., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 18, 1937, Serial No. 143,383
5 Claims. (Cl. 260—91)

1. A method of making polystyrene material suitable for molding which comprises polymerizing styrene to a polystyrene having a molecular weight exceeding 40,000 and treating the polymerized styrene by mechanical working to reduce methanol soluble components to less than 3% of the material.

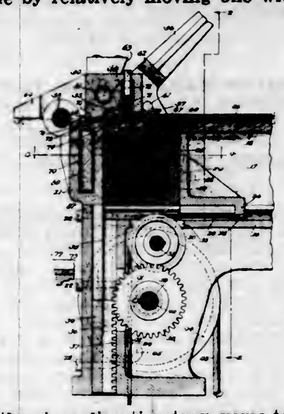
2,273,823
SHEET FEEDING MECHANISM
William H. Ayres, Baltimore, Md., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 4, 1940, Serial No. 333,395
4 Claims. (Cl. 271—50)



1. A sheet feeding mechanism, comprising in combination feeding means including feed dogs for engaging the rear edge of a sheet for advancing the sheet along a predetermined path of travel, instrumentalities for conveying said sheets and for delivering them onto said feeding means, and rotary devices between said feeding means and said instrumentalities for aligning said sheet edge with said feed dogs prior to engagement by them so that the impact of engagement of the dogs with the sheet edge will be evenly distributed between them to prevent denting of the sheet edge.

2,273,824
APPARATUS AND METHOD OF MAKING PLASTIC BINDERS
Harold G. Barrett, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application December 19, 1939, Serial No. 310,081
19 Claims. (Cl. 11—1)

1. In an apparatus for applying binder strips to sheets which are provided with openings adjacent one edge, a mandrel, means removably supporting the mandrel adjacent said edge of the sheets, means for holding the sheets, means for holding a stack of binding strips, means for feeding the foremost strip of the stack simultaneously about the mandrel and to the sheets, the remaining strips advancing progressively as the foremost strip is advanced, means for shaping each strip into a loop about the mandrel, and means for directing the strips through the respective openings in the sheets as each of said strips is being formed into a loop, said mandrel and loops being separable by relatively moving one with relation



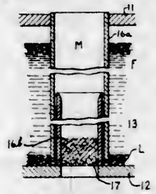
to the other in a direction transverse to the plane of the loop.

2,273,825
LEAD ALUMINATE PIGMENTS AND PAINTS AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application January 31, 1940, Serial No. 316,519
19 Claims. (Cl. 23—110)

1. The method of making a stable, opaque, white, lead aluminate pigment, which consists in making a mixture of silica and such lead and aluminum compounds as will, upon heating, supply to the product only lead and aluminum oxides in proportions to yield an essentially pure lead aluminate containing not less than 0.10% silica and then heating the mixture until the oxides chemically combine in the solid phase to form said pigment.

7. An essentially pure, stable, opaque, white, lead aluminate pigment containing 0.10 to 5% chemically combined silica.

2,273,826
FLUID TREATING APPARATUS
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 8, 1939, Serial No. 308,193
4 Claims. (Cl. 23—288)

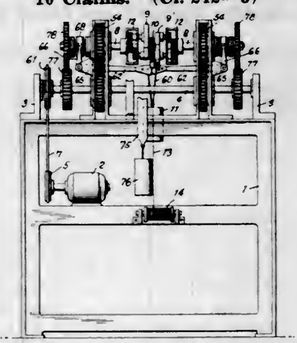


1. Apparatus for treating fluids in the presence of a contact mass comprising a casing having opposed side and top and bottom end walls providing a chamber, a body of heat exchange liquid in said chamber for controlling the temperature of the contact mass, apertures in the opposed end walls of the chamber, sets of conduits secured in registration with the opposed wall apertures, the conduits of one set extending into the chamber in a direction opposite to that of the conduits of the other set, each of said conduits having free end portions within the chamber, the free end portion of the conduits of one set being disposed in spaced telescoping relation with the free end portions of the conduits of the other set, contact mass in said conduits, sealing liquid between the spaced free end portions of the conduits, said sealing liquid having a higher specific gravity than the specific gravity of the heat exchange liquid in the chamber and being disposed below the heat exchange liquid.

2,273,827
MANUFACTURE OF ARTIFICIALLY COLORED GRANULES
Milton R. Beasley, Norwood, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
No Drawing. Application June 16, 1939, Serial No. 279,448
7 Claims. (Cl. 91—70)

2. The method of making colored granules which consists in first providing serpentine granular base material, then applying to the granules a liquid coating of sodium silicate having therein a coloring pigment, and finally heating said granules thus coated to a temperature sufficiently high to react said coating in situ with the serpentine base material and produce on said granules a hard insoluble colored exterior coating.

2,273,828
BALL WINDING MACHINE
Boris Bogoslowsky, New York, N. Y.
Application July 18, 1940, Serial No. 346,109
10 Claims. (Cl. 242—3)

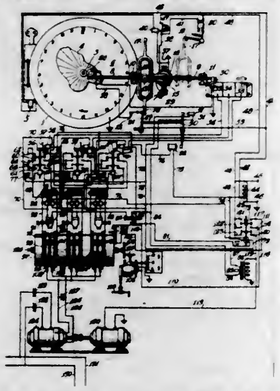


1. In a ball winding machine, in combination, a pair of oppositely disposed winding heads, said winding heads being mounted for rotation on a common axis, each of said winding heads comprising a pair of parts each having a working surface adapted to engage the ball, and each of said parts being mounted for rotation on an axis parallel to the axis of said winding heads, but eccentric thereto.

2,273,829
VARIABLE DISCOUNT METERING SYSTEM FOR ELECTRIC PLANT USE
James M. Boyle, Darien, Conn.
Application December 16, 1939, Serial No. 309,589
25 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

12. A system for automatically turning on and off electrical devices at a consumer's station responsive to the percentage of utilization of the available plant capacity of the plant supplying

said system comprising means for transmitting signals to the subscriber station periodically, means for controlling a characteristic of said signals to indicate the percentage of plant utilization and means at said consumer station re-



sponsive to signals corresponding to a low percentage of plant utilization for turning on certain electrical devices and responsive to the signals corresponding to peak loads on said plant for turning off said electrical devices.

2,273,830

METHOD OF MAKING NOZZLE SPRAYER PLATES

Ralph C. Brierly, Narberth, and Elbert H. Wiley, Darby, Pa.

Application November 29, 1940, Serial No. 367,718
2 Claims. (Cl. 29—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of making a sprayer plate for an atomizing nozzle, comprising die stamping a rear portion of the sprayer plate from ribbon stock of suitable thickness and material, simultaneously stamping an aperture centrally thereof, together with a plurality of slots leading to and terminating in said aperture at a tangent thereto, separately die stamping a whirling chamber dome front portion from ribbon stock of suitable thickness and material with the internal diameter of the whirling chamber dome substantially identical to the diameter of the central aperture of the rear portion, and spot welding said front and rear portions, with the aperture of the rear portion and the whirling chamber of the front portion in coincidence, into a unitary article.

2,273,831

MAGNESIUM ALLOY

Arthur Burkhardt, Berlin-Lichterfelde, and Richard Knabe, Berlin-Zehlendorf, Germany, assignors to Georg Von Giesche's Erben, Breslau, Germany, a corporation of Germany

No Drawing. Application November 9, 1939, Serial No. 303,613. In Germany December 17, 1938
4 Claims. (Cl. 75—168)

1. A light metal alloy containing 1 to 5% aluminum, 2 to 6% bismuth, 0.5 to 3% cadmium, from traces up to 7% zinc, from a small but effective amount up to 5% silver, and a remainder substantially all of magnesium with customary additions and impurities.

2,273,832

METHOD OF MAKING METAL POWDER

Elvin P. Carney, Elizabeth, N. J., assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J., a corporation of New Jersey

No Drawing. Application August 2, 1940, Serial No. 350,139
1 Claim. (Cl. 75—0.5)

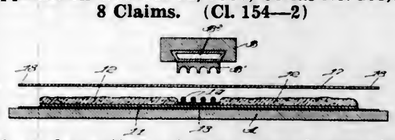
The method of manufacturing molding powder which consists in providing a quantity of metal core particles of a given melting point and given size, and a relatively smaller quantity of other metal particles of relatively lower melting point and relatively much smaller size, mixing and moistening the particles whereby the core particles are given a uniform coating of adherent finer particles, and subjecting the so-treated core particles, in a reducing atmosphere, to heat sufficient and for a sufficient length of time to cause an incomplete diffusion of the fine particles into the respective core particles which they surround, so that there is produced a molding powder comprising core particles of the high melting point metal, each having a sheathing of the low melting point metal of desired thickness and in fused relation to the core, substantially as and for the purposes set forth.

2,273,833

DECORATIVE UPHOLSTERY PANEL

Carroll E. Carpenter, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application October 11, 1937, Serial No. 168,460
8 Claims. (Cl. 154—2)



1. A decorative upholstery panel comprising: a backing-panel; a strip of soft, cured rubber secured to said panel; a plurality of soft fibrous riser members disposed on said strip in an ornamental design; fibrous padding adhesively secured to said backing-panel adjacent to the strip-covered portion; and a cover-fabric vulcanized to the strip around said risers so as to afford an outwardly extending ridge design.

2. The method of producing a decorative upholstery panel which comprises: adhesively securing to an area of a panel board a strip of uncured rubber provided with upwardly extending risers disposed in a desired design; placing a strip of uncured rubber over the risers; placing a cover-fabric over the assembly in registration with the backing-panel; and hot-pressing an embossed design in said cover-fabric by vulcanizing the fabric to said strip.

2,273,834

POWDERED TITANIUM METAL

George F. Comstock and Viatcheslav V. Efimoff, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 7, 1940, Serial No. 369,128
5 Claims. (Cl. 75—84)

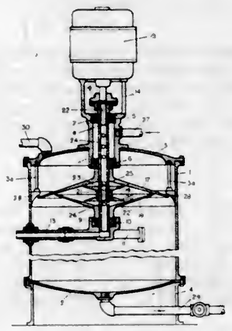
1. A method of preparing powdered titanium metal comprising heating titanium tetrachloride with sodium in a closed vessel in the presence of a minor quantity of a material taken from the class consisting of titanium dioxide, titanium nitride and titanium cyanonitride, and crushing the resulting product to the form of a powder.

2,273,835

APPARATUS FOR TREATING FLUID MATERIALS

Mead Cornell, Cleveland, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio

Application October 17, 1939, Serial No. 299,835
3 Claims. (Cl. 259—96)



1. In a device of the character described, an assembly comprising a pair of relatively smaller and larger rotatable members respectively provided with facing oppositely inclined annular film-supporting and attenuating surfaces, means arranged centrally of each of said members providing an annular orifice for the projection of the material to be treated in continuous films respectively onto said attenuating surfaces, said members so arranged that a film centrifugally projected from said smaller member flows, as a continuous film, into the film on the attenuating surface of said larger member in an annular area between the radially inner and outer boundaries of such larger member, an annular baffle member adjacent the periphery of said smaller member and cooperating with the adjacent attenuating surface of the larger member to provide an annular orifice for the projection of said merged films in a continuous film over the radially outward portion of the attenuating surface on said larger member.

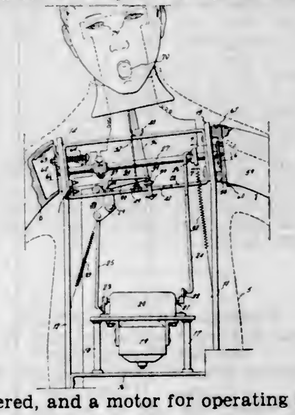
2,273,836

AUTOMATON MERCHANDISING DEVICE

Frank L. Dale, New York, N. Y., assignor to Mechanical Man, Inc., New York, N. Y., a corporation of New York

Application July 1, 1939, Serial No. 282,334
8 Claims. (Cl. 46—119)

1. An apparatus of the character described comprising in combination, a figure having a body, a head pivoted with respect to said body so as to oscillate towards one shoulder on an axis which is inclined to the axis of the body, an arm connected to the body and adapted to be raised



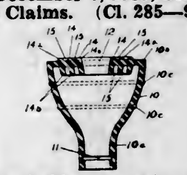
and lowered, and a motor for operating the head and arm.

2,273,837

FAUCET CONNECTOR

Bedford D. Davies, Jamaica, N. Y.

Application December 7, 1939, Serial No. 307,966
5 Claims. (Cl. 285—90)



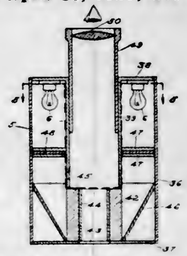
1. In a detachable connector for coupling a tube or hose to a faucet or valve, a hollow body adapted to have attached to it a tube or hose at its bottom end, a flexible elastic material top wall across the top of said body and having an opening into which the end of the faucet or valve may engage, and a plurality of slightly spaced elastic ridges integral with said top wall and concentric about said opening with the innermost ridge adjacent the edge of said opening and said elastic material top wall and ridges serving to assist in gripping and holding due to their elasticity said faucet when engaged in said opening.

2,273,838

PHOTOMETER

Leo H. Dawson, Washington, D. C.

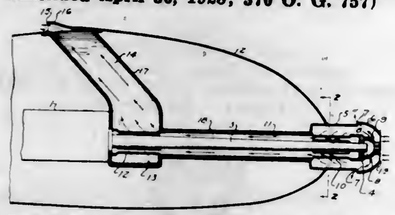
Application August 1, 1940, Serial No. 349,171
5 Claims. (Cl. 88—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A photometer comprising in combination a cylindrical casing, an apertured plate at one end

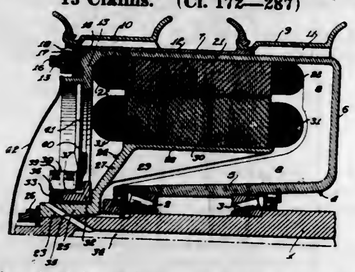
of said casing and a plate provided with a reentrant cylindrical extension at the other end thereof, an electric lamp mounted on the second mentioned plate and within the casing, means disposed intermediate the apertured plate and the free end of the cylindrical extension to provide juxtaposed fields with the light from the lamp and that introduced through the plate aperture, an inverted frusto-conical reflector within said casing for projecting any light from the lamp incident thereupon into the said means, an annular light diffusing translucent plate intermediate the lamp and reflector and an adjustable lens supporting tube slidably mounted in the cylindrical plate extension for viewing the juxtaposed light fields.

2,273,839
BARREL COOLING DEVICE
Theophile de Port, New Carlisle, and Walter G. McNeill, Dayton, Ohio
Application June 16, 1939, Serial No. 279,404
4 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



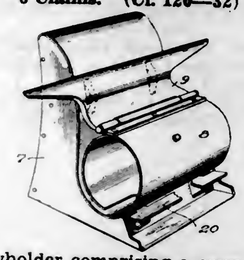
3. In a barrel cooling device of the class wherein a gun barrel is mounted on and substantially enclosed within a movable member constructed and arranged to have high and low pressure areas when moving, the combination of a sleeve surrounding and spaced a relatively short distance from said barrel and extending along the major portion of the length thereof, said sleeve having a relatively short entrance portion of enlarged diameter provided with an air inlet opening located adjacent a high pressure area of said member, said sleeve having an exit portion located adjacent a low pressure area of said member, said enlarged portion of said sleeve being provided with rearwardly directed gas discharge openings therein.

2,273,840
ELECTRIC MOTOR WHEEL
Otto E. Dever, Huntington Park, Calif.
Application September 16, 1940, Serial No. 356,907
13 Claims. (Cl. 172—287)



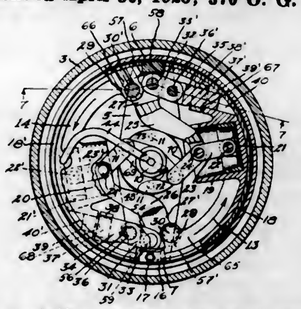
1. An electric motor wheel comprising a nonrotating shaft, a wheel frame including hub and felly elements connected at their axially inner ends only, and an electric motor including a field secured to said felly and an armature and support therefor secured directly on said shaft axially outwardly from said hub for removal from said shaft independently of said hub.

2,273,841
COPYHOLDER
Nugent Dodds, Washington, D. C.
Application October 17, 1939, Serial No. 299,906
6 Claims. (Cl. 120—32)



6. A copyholder comprising a copy feed roller, a manually operable drive belt trained over the roller, means in operative connection with the belt to move the latter longitudinally around the periphery of the roller to effect movement of the latter, said means including levers engaged with the belt.

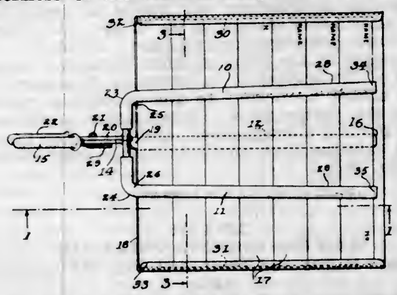
2,273,842
TORQUE TRANSMISSION DEVICE
Arthur L. Donahew, Fort Belvoir, Va.
Application July 16, 1940, Serial No. 345,796
8 Claims. (Cl. 192—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a rotative gripping device, a drum, gripping shoes including ends floatingly positioned within said drum, cylinders provided on said shoes intermediate the ends thereof, said cylinders adapted to have a fluid pressure applied therein, pistons operative within said cylinders, means actuated by said pistons to engage said shoes with said drum when pressure is applied within said cylinders, said means operatively connected to produce a centrifugal force on one end of each of said shoes and a tangential force on one of each of the other ends thereof whereby the entire length of said shoes is expanded against said drum and means for applying fluid pressure to said cylinders.

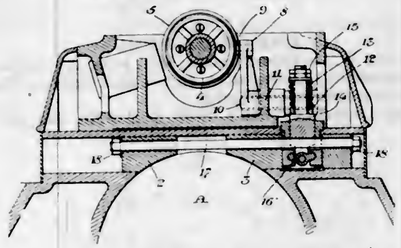
2,273,843
STRIP SHIFTING TONGS
Wiley E. Dougherty, Skiatook, Okla.
Application October 1, 1941, Serial No. 413,229
5 Claims. (Cl. 294—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In office equipage, a pair of tongs for removing and replacing reference slips from their holder, said tongs including at least one tine pivotally movable into and from a position intersecting a plane between at least a pair of tines spaced to provide a clearance to the sides of said tine which is considerably greater than the thickness of the reference slips intended to be



engaged by the tongs, and means causing the respective tines to assume substantially parallel planes at an intermediate point in the capable pivotal movement of said tine at a position immediately in advance of the movement of said tine into said intersecting position whereby a plurality slips may be engaged substantially at the same time at different points along said tines.

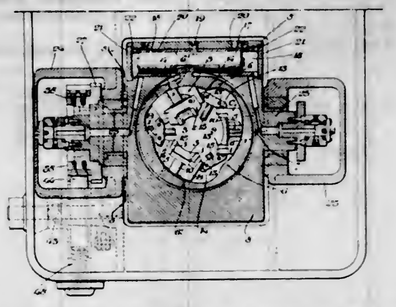
2,273,844
SPINDLE CARRIER LOCKING MECHANISM
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1939, Serial No. 280,314
12 Claims. (Cl. 29—50)



1. A locking mechanism for an indexible spindle carrier comprising a pair of oppositely moving shoes engaging the peripheral surface of said carrier, toggle means for operating said shoes, spring pressed means for controlling the movement of said toggle means, a lever for controlling said spring pressed means, a cam shaft, and cams carried thereby for controlling the movement of said last lever in opposite directions.

2,273,845
INDEXABLE REVERSIBLE CHUCK MECHANISM
Alfred E. Drissner, William J. Hogg, and Kenneth W. Barkinen, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1940, Serial No. 316,320
25 Claims. (Cl. 10—107)

1. Chucking mechanism comprising a permanently positioned work holding axially supported chuck, automatically operative means for reversing the chuck end for end on its own axis 180 degrees without otherwise shifting it, means for locking the chuck in its indexed position, and

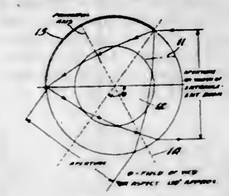


means for opening and closing the chuck, both said last means automatically operative in predetermined sequence.

2,273,846
PROCESS FOR TREATING HYDROCARBONS
Russell P. Dunmire, Shaker Heights, Ohio, assignor to The Buckeye Laboratories, Inc., a corporation of Ohio
No Drawing. Application August 25, 1941, Serial No. 408,260
14 Claims. (Cl. 196—16)

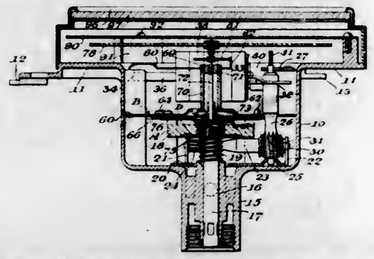
1. The process for removing impurities from a contaminated or used mineral substance of the class consisting of mineral oils and mineral waxes, which process comprises mechanically mixing and agitating the contaminated or used mineral substance and a solid adsorbent material in a sealed container to adsorb the high boiling point impurities, heating the mixture of the mineral substance being treated and the solid adsorbent material in the sealed container under vacuum at a temperature in the range of approximately 50 to 150 degrees F. below the flash point of the finally treated mineral substance to drive off the water and the low boiling point volatile impurities, and separating the adsorbent material with its adsorbent impurities from the mineral substance being treated to recover the latter.

2,273,847
COLLINEAR REFLECTOR
Arthur F. Eckel, Chicago, Ill.
Application August 22, 1938, Serial No. 226,059
4 Claims. (Cl. 88—82)



4. A collinear reflector unit comprising inner and outer transparent, concentric, spherical media with continuous contacting portions in which the radius of the outer medium is approximately twice that of the inner medium, and the ratio of the index of refraction of the inner medium to that of the outer medium is approximately as 1.62 is to 1.50.

2,273,848
INDICATING DEVICE
Frederick W. Ely, Weston, and Nicholas Nazar, Boston, Mass., assignors to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
Application June 21, 1939, Serial No. 280,356
9 Claims. (Cl. 264—13)



6. In an indicating device, a casing, a drive shaft rotatably mounted in the casing and carrying a magnet therein, a member of magnetic material mounted in said casing, a dial shaft, and another member of non-magnetic material carried by said dial shaft and positioned between said first-mentioned member and said magnet, said magnet having a temperature compensating metal annular element formed as an integral part thereof.

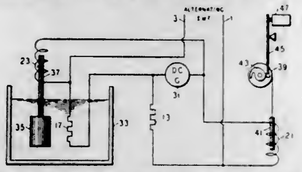
2,273,849
PARASITICIDAL MATERIAL
Albert K. Epstein and Benjamin R. Harris, Chicago, Ill.
No Drawing. Application April 1, 1940, Serial No. 327,251
20 Claims. (Cl. 167—22)

1. Parasiticidal materials corresponding to the general formula

$$(RO)_n—(alk—NY)_m—CO—Z(X)_w$$

wherein R is an organic radical containing at least four carbon atoms, alk is a member selected from the group consisting of alkylene and arylene and substitution products thereof, Z is a member selected from the class consisting of hydrocarbon radicals and substitution products thereof, Y is a member selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkoxyl, aralkyl, aryl, and alkylol, n, m and w are small whole numbers, and X is halogen.

2,273,850
SPECIFIC GRAVITY RECORDING SYSTEM
Philip Ewald, Sheffield, Ala.
Application October 14, 1940, Serial No. 361,120
2 Claims. (Cl. 265—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



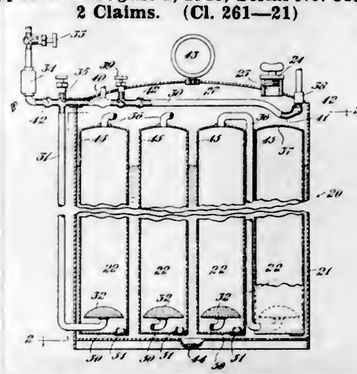
1. An apparatus for measuring a solution concentration having in combination (*a*) an alternating current Wheatstone bridge; (*b*) a variable indicating inductance in an arm of the bridge having a core member inductively related to the inductance, said core member being integral with a specific gravity float; (*c*) a variable measuring inductance in an arm of the bridge connected to the variable indicating inductance having a core member inductively related to the measuring inductance, said core member being associated with balancing mechanism; (*d*) means for rectifying the alternating current of the bridge; (*e*) a temperature compensating resistance, adapted to be immersed in the solution being measured, in an arm of the bridge; (*f*) a resistance in an arm of the bridge connected to the rectifying means and the temperature compensating resistance and forming a conjugation; and (*g*) a direct current galvanometer connected to the conjugation of the bridge.

2,273,851
SLOTTED IRONING TABLE TOP
Horace B. Fay and Thomas H. Fay, Willoughby, Ohio
Application April 10, 1941, Serial No. 387,954
8 Claims. (Cl. 38—137)



1. An ironing table top adapted to have legs attached thereto, said top consisting of a plywood board having one end restricted to form a nose portion, said board being divided into a series of spaced longitudinal strips and means extending transversely of the top for holding said strips in spaced relation, said means forming the attachment portions for the legs.

2,273,852
GAS GENERATOR
Charles W. Ferreira, Miami, Fla., assignor to Pan-American Laboratories, Inc., Coral Gables, Fla., a corporation of Florida
Application August 1, 1940, Serial No. 349,337
2 Claims. (Cl. 261—21)



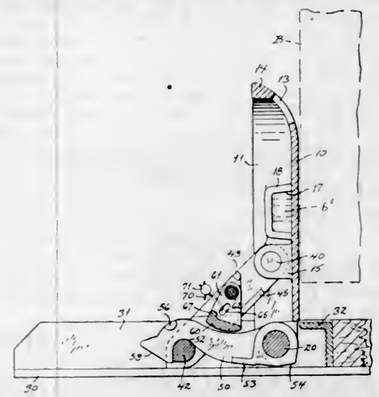
1. A gas generator comprising a casing containing a quantity of liquid fuel having volatile components, a series of tubes vertically mounted in said casing, each tube being closed at its upper end, an aerator head in each tube at the lower end thereof, a pipe leading from the upper end of each tube, except the last in the series, to the aerator head of the next tube in the series, a discharge vent in the upper end of the last tube, and a pipe leading to the aerator head of the first tube in the series through which a gaseous medium is introduced under pressure, each tube being closed at the bottom and having a unidirectional valve therein which admits fuel into the tube but prevents the escape therefrom of fuel or vehicle.

2,273,853
BREWING
Albert M. Fischer, Chicago, Ill., assignor to Rotary Extractor Corporation, Long Island City, N. Y., a corporation of New York
Application October 22, 1937, Serial No. 170,485
33 Claims. (Cl. 99—31)

16. A beer containing yeast vitamins, but substantially free of yeast cells, having incorporated therein a yeast-cell extract substantially free of products of autolysis and containing yeast vitamins, and prepared by the process comprising aging a mixture of yeast, salt and sugar under such conditions of time and temperature as to avoid substantial autolysis of the yeast cells, and treating the aged mixture in a colloid mill to extract a portion of the yeast cell content without disruption of a substantial quantity of the cells.

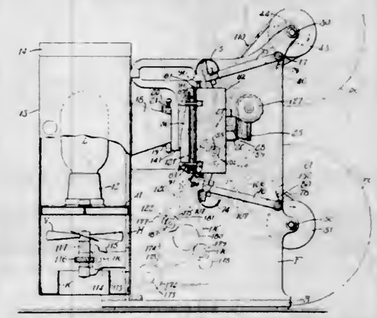
30. A process of producing a yeast-cell extract which comprises heating a mixture containing yeast and a plasmolyzing agent therefor to a degree such that the fermenting power of the yeast is substantially destroyed without substantial autolysis of the yeast, and treating the mixture after said heating in a colloid mill to extract at least a portion of the yeast-cell content.

2,273,854
DEVICE FOR POSITIONING CONTAINERS ON VEHICLES
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 15, 1940, Serial No. 329,668
16 Claims. (Cl. 105—366)



1. The combination with a support of a positioning member hingedly carried thereby adapted to be folded down into a substantially horizontal position or swung up into a substantially vertical position, a strut pivotally connected to the positioning member, an anchor adapted to engage the free end of the strut when the member is vertical, and means carried in part by the anchor and in part by the strut to positively limit upward movement of the free end of the strut during the upward swing of the abutment member.

2,273,855
FILM HANDLING AND SOUND APPARATUS AND CONTROL THEREOF
Warren Dunham Foster, Washington Township, Bergen County, N. J., and Frederick Davenport Sweet, New York, N. Y., assignors, by direct and mesne assignments, to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York
Application January 15, 1934, Serial No. 706,764
32 Claims. (Cl. 88—16.2)

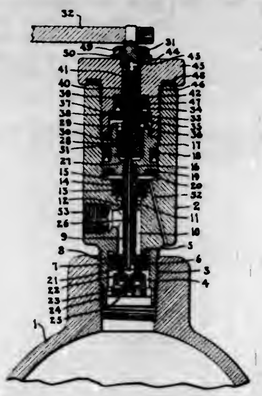


1. In a film handling apparatus, a delivery carrier, a take-up carrier, film-contacting guiding means for establishing a path of travel through said apparatus between said delivery carrier and said take-up carrier, means for intermittently feeding a film through said path of travel from said delivery carrier toward said take-up carrier and driving said take-up carrier in a projecting direction for projecting pictures in motion, means for intermittently feeding said film through said path of travel from said take-up carrier toward said delivery carrier and driving said delivery carrier in a rewinding direction for projecting pictures in motion but backwardly, means for continuously feeding said film through said path of travel from said take-up carrier toward said delivery carrier and driving said delivery carrier in a rewinding direction as for the purpose of preparing for a subsequent re-showing of the film, said last previously recited rewinding means including an instrumentality for rendering said intermittent feeding means inoperative upon the film in said path as it is being fed therethrough in said continuous rewinding operation, and means operatively connected with both of said carriers for releasing one of said carriers from the driving means therefor, when said other carrier is being driven, whereby a film may be projected forwardly or projected backwardly or rewound without the necessity of detaching it from either of said carriers or of removing it from said path of travel established by said film-contacting guiding means or rethreading it in said path.

2,273,856
FLUID CONTROL DEVICE
Walter H. Freygang, Essex Fells, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application November 2, 1938, Serial No. 238,391
7 Claims. (Cl. 137—139)

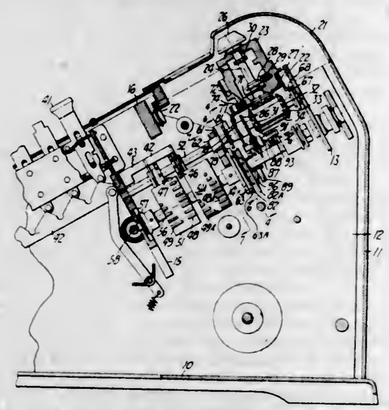
5. In a fluid pressure piston operated valve, having a pilot and an exhaust valve, the combination of a piston, a control member for the pilot and exhaust valves, and actuating means for said control member, said control member having a rotatable screw-threaded engagement with the

piston for coaxial reciprocation with respect thereto and for



reciprocation with respect to said actuating means.

2,273,857
CALCULATING MACHINE
Carl M. F. Friden, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application April 20, 1936, Serial No. 75,307
2 Claims. (Cl. 235—75)



1. In a calculating machine, a single register comprising a plurality of ordinally arranged numeral wheels, said numeral wheels being substantially aligned and spaced apart an equal distance from each other and forming a series extending transversely of the machine, a plurality of differential toothed actuators for said numeral wheels arranged in pairs with the actuators of each pair having the same axis of rotation and the teeth of one actuator of each pair being angularly displaced with relation to the teeth of the other actuator of the pair, the axes of said actuators being spaced apart an equal distance from each other and the spacing of said actuator axes being twice the spacing of said numeral wheels, in combination with ordinally arranged differentially operable toothed elements for transmitting selected increments of movement from the actuators of said pairs respectively to adjacent order numeral wheels.

2,273,858
SMOKING DEVICE
Walter C. Gesek, Buffalo, N. Y.
Application July 24, 1940, Serial No. 347,184
5 Claims. (Cl. 131—207)



1. A smoking device comprising a tubular stem having an inlet and an outlet, a smoke inlet tube arranged in said inlet, a smoke outlet tube arranged in said outlet, said inlet and outlet tubes being arranged axially in line but having their opposing ends spaced apart within said stem, an intermediate baffle tube of larger diameter than said inlet and outlet tubes arranged within said stem and having its rear end opposite said inlet tube and its front end surrounding said outlet tube, and an absorbent plug arranged in said intermediate tube between said inlet and outlet tubes but spaced from the same.

2,273,859
MAKING CERAMIC ARTICLES
Robert E. Gould, Eden, N. Y.
No Drawing. Application October 31, 1938, Serial No. 238,092
5 Claims. (Cl. 25—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process of making a ceramic article from plastic clay, which comprises simultaneously forming one side of a ceramic article from plastic clay on a thin fluid pervious mold of uniform thickness and forming the other side of the plastic article by pressing and shearing the plastic clay; applying a subatmospheric pressure to the bottom of the fluid pervious mold during the forming of the article to maintain a uniform differential pressure between the top and bottom of the plastic clay as the article is molded; placing the face of a cast, preformed to be complementary to the top of the molded article, on the molded article; separating the cast and the molded article from the mold; drying the molded article; separating the dried, molded article from the cast; and firing the dried molded article to produce a semi-vitrified ceramic article.

2,273,860
INSECT REPELLENT
Philip Granett, New Brunswick, N. J., assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Application June 4, 1938, Serial No. 211,819. In Canada March 4, 1937
9 Claims. (Cl. 167—22)

6. An insect repellent composition which consists of an inert diluent and a repellent; said repellent consisting of at least one ester of a saturated aliphatic acid of the group consisting of a dicarboxylic acid having six carbon atoms to the molecule, a hydroxy dicarboxylic acid and a hydroxy monocarboxylic acid, said ester having at least six and not more than fifteen carbon atoms to the molecule, and the ester of said hydroxy monocarboxylic acid having an oxygen atom in ether linkage in the alcohol radical thereof when said alcohol radical contains not more than five carbon atoms.

2,273,861
SCREW DRIVER
Edgar B. Green, Washington, D. C.
Application December 10, 1940, Serial No. 369,434
1 Claim. (Cl. 145—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



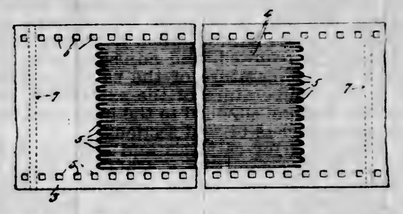
A screw holder and retriever for use with a screw driver having a driver shank, a driver head and driver bit formed at one end thereof, a handle anchored to the other end of said driver shank, said handle being counterbored about said shank; said screw holder and retriever comprising a shift sleeve concentrically mounted on said shank having one end extendable into the counterbore of said handle, a coil spring within said counterbore between the counterbore shoulder and said shift sleeve, a handle means formed on said shift sleeve adjacent said shank handle, the other end of said shift sleeve stopping short of said driver head, a driver sleeve concentrically mounted on the driver end of said shift sleeve, yieldable means for removably securing said driver sleeve to said shift sleeve, a slot extending through said driver sleeve between said shift sleeve end and said driver head, said yieldable means also extending through said slot to yieldably hold a screw inserted therein when said driver sleeve is extended beyond said driver head.

2,273,862
STABILIZED VISCOUS MINERAL OIL COMPOSITION
Lyle A. Hamilton, Kenonah, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 22, 1939, Serial No. 305,674
15 Claims. (Cl. 252—50)

1. An improved mineral oil composition comprising a viscous mineral oil fraction normally subject to deterioration under oxidizing conditions and in admixture therewith a minor proportion, sufficient to retard said deterioration, of an N-phenyl phenylene diamine.

2,273,863
SOUND RECORD
Leonard A. Herzig, Jackson Heights, N. Y., assignor to Lon-Ga-Tone, Inc., New York, N. Y., a corporation of New York
Original application April 24, 1937, Serial No. 138,751. Divided and this application April 30, 1940, Serial No. 332,443
3 Claims. (Cl. 274—41.6)

1. A film having photographed thereon a plurality of spaced parallel sound tracks having interconnected ends, the interconnected ends of

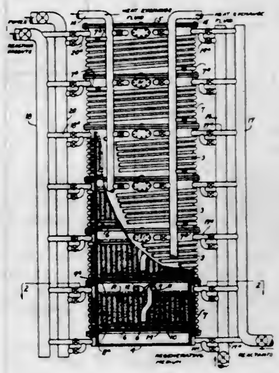


successive sound tracks comprising loops forming a continuous photographic record adapted to be scanned without break or interruption.

2,273,864
REACTIVATION OF HYDROGENATING CATALYSTS
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1939, Serial No. 258,174
12 Claims. (Cl. 252—243)

1. Process of regenerating catalysts capable of promoting hydrogenating reactions so as to restore their hydrogenating ability which comprises subjecting the catalyst to at least one sequence of oxidizing and reducing steps above 700° F. and thereafter subjecting the catalyst to at least one sequence of oxidizing and reducing steps below 700° F.

2,273,865
APPARATUS FOR CATALYSIS AND THE USE THEREOF
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Original application August 5, 1937, Serial No. 157,475. Divided and this application April 25, 1939, Serial No. 269,919
4 Claims. (Cl. 23—1)



1. In the use of a converter made up of a series of individual sections, each section containing a mass of catalytic material and having a heat exchange member embedded in said mass and disposing a heat exchange surface within an inch of all parts of said mass, the process of effecting different reactions in alternation in said converter under different operating conditions,

providing the proper time of contact for each reaction by sending reactants through said sections in parallel when a relatively small depth of catalytic material is required and through said sections in series parallel when a greater depth of catalyst is required, and adjusting and controlling the temperature of the catalytic material by the temperature of the extraneous heat exchange medium supplied to the individual heat exchange members of said sections.

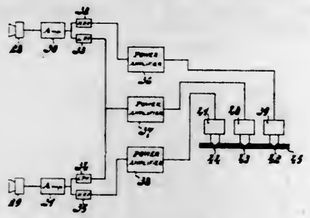
4. Apparatus for catalysis and contact treatment of fluids comprising a container made up of demountable open ended sections of similar size and shape secured together in superposed relation, closure members for the uppermost and lowermost members, perforated supports at the lower ends of said sections, masses of solid contact material resting on said supports, radiators embedded in said masses and extending to all parts thereof, heat exchange coils surrounding the exterior of said sections within projections of said masses, connections for reactants and reaction products to said sections above the contact masses therein and to said bottom closure member to permit full choice of length of path through said masses for reactants and for flow in either direction, and means for circulating at desired temperature through said radiators and said coils extraneous heat exchange media effectively to regulate and control the temperature of said contact masses.

2,273,866

STEREOPHONIC SOUND RECORDING AND REPRODUCTION

Gilles Holst and Kornelis de Boer, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application September 27, 1938, Serial No. 231,997
In Germany October 4, 1937
9 Claims. (Cl. 179—100.4)



1. A method of sterophonically recording sound vibrations by means of a plurality of recording devices, comprising the steps of dividing the vibrations into a plurality of frequency ranges, transmitting in separate channels the vibrations in the higher frequency ranges of each recording device, and transmitting in a single channel the vibrations in the lowest frequency range of said devices.

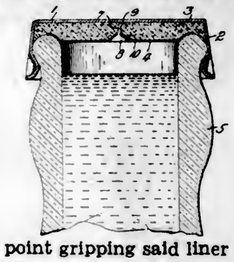
2,273,867

CLOSURE FOR BOTTLES, ETC.

Clarence S. Jackson, Brooklyn, N. Y., assignor to Peters Bros. Rubber Co., Inc., Brooklyn, N. Y., a corporation of New York

Application December 23, 1939, Serial No. 310,694
11 Claims. (Cl. 215—39)

1. A closure for receptacles comprising a closure shell, a cushion liner in said shell, a facing disk on the exposed face of said liner, and a pin extending through said disk and said liner and



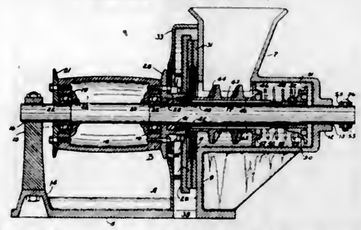
having its point gripping said liner to secure said disk in place.

2,273,868

GRAIN GRINDER

Howard Milton Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Ltd., Toronto, Ontario, Canada

Application May 4, 1939, Serial No. 271,648
3 Claims. (Cl. 83—8)



1. A grinder of the class described, comprising a frame having spaced bearings, a shaft rotatably and slidably mounted in said bearings, a hopper adjacent one of said bearings having a circular in cross section outlet through the center of which said shaft extends, a driving pulley rotatably mounted on said shaft in a fixed longitudinal position by means of spaced bearings, a grinding plate carried by the inner end of said pulley, another grinding plate secured to said hopper and frame adjacent said outlet, spiral conveyor means secured to the inner end of said pulley and surrounding said shaft but having no contact therewith, one end of said shaft protruding through its bearing, a lever being transversly pivoted to said protruding shaft end midway its length, a horizontally positioned rod having its forward end horizontally pivoted to said frame, one end of said lever being adjustably secured to the rear end of said rod, a second rod slidably mounted on said frame having a spring and a stop adapted to hold the rod in a fixed rearward position but permit it to move forward against the pressure of its spring, means on the rear end of said second rod adapted to optionally engage the other end of said lever and hold it normally in its operating or inoperating positions, means on said last means adapted to require a transverse movement of the lever when moved from one position to the other.

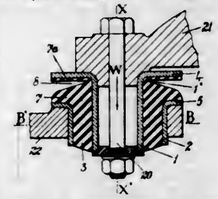
2,273,869

RESILIENT SUPPORT

Maurice François Alexandre Julien, Paris, France

Application January 23, 1939, Serial No. 252,481
In France January 27, 1938
4 Claims. (Cl. 248—22)

1. A resilient support comprising rigid members having substantially parallel surfaces connected by a mass of resilient material with one of said surfaces extending beyond the other, resilient material adhesively connected to said surface extension, a flange on one of said members,



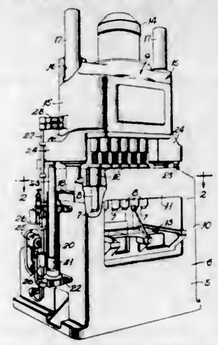
resilient material connected to said flange and an abutment extending laterally of said surface extension and defining with said last-named resilient material a V-shaped space with one side curved.

2,273,870

MACHINE TOOL

Frederick J. Kampmeier and Earl M. Bowen, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application February 10, 1939, Serial No. 255,667
8 Claims. (Cl. 77—63)



6. A machine tool having, in combination, a plurality of posts, a machine tool element slidable on the external surfaces of said posts, a cylinder within one of said posts, a piston reciprocable within said cylinder, and means for supplying pressure fluid to opposite ends of said cylinder.

2,273,871

DOUBLE SILICATES OF ZIRCONIUM AND METHOD OF MAKING SAME

Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Original application June 12, 1934, Serial No. 730,265. Divided and this application December 24, 1937, Serial No. 181,705
11 Claims. (Cl. 23—110)

3. The method which comprises heating an intimate mixture of finely-milled zirconium silicate and not more than approximately one mol of a carbonate of a metal selected from the group consisting of magnesium, barium and strontium, per mol of zirconium silicate at temperatures below fusion of the ingredients of the mixture but sufficiently high to secure a substantially complete reaction and decomposition in the solid phase of the zirconium silicate and said carbonate to form a double silicate of zirconium and said selected metal.

2,273,872

DOUBLE SILICATES OF ZIRCONIUM AND METHOD OF MAKING SAME

Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 29, 1937, Serial No. 182,243
14 Claims. (Cl. 106—312)

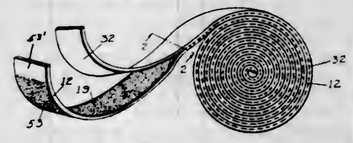
1. The method of making an opacifying calcium silicate zirconia crystalline complex which comprises heating an intimate mixture composed preponderatingly of finely-milled zirconium silicate and a lesser amount of calcium carbonate, both ingredients being of particle sizes finer than 44 microns, at temperatures below fusion but sufficiently high to secure a substantially complete reaction and decomposition in the solid phase of the zirconium silicate and calcium carbonate to form said opacifying complex containing zirconium oxide interspersed in a calcium silicate matrix.

2,273,873

ADHESIVE SURGICAL DRESSING AND METHOD OF APPLYING THE SAME

Edward F. Klein, Perth Amboy, N. J., assignor to Raritan Bay Holding Company, Perth Amboy, N. J., a partnership composed of Edward F. Klein and Charles Yates

Application November 28, 1938, Serial No. 242,817
3 Claims. (Cl. 128—156)



1. A transparent surgical wound dressing covering comprising a freely flexible, transparent, non-porous tape provided on both faces thereof with transparent, pressure-sensitive adhesive coatings, said tape being adapted to have one coating thereof applied to a wound area for defining the outline and margins of said area and provide for vision of the surface covered by the tape, a separator sheet having a coating incompatible with and superficially secured to the exposed adhesive coating of said tape for protection thereof pending completion of the dressing covering, and a transparent cover sheet adapted to be secured to the adhesive coating on removal of the separator sheet, said transparent cover sheet being of such dimensions as to bridge the wound area defined by the tape in spaced relation thereto equal to the thickness of the tape, and enabling clear vision to be had of the wound area while providing a sanitary covering for said wound area.

2,273,874

MANUFACTURE OF ARTIFICIALLY COLORED GRANULES

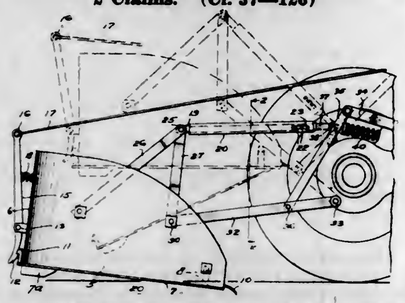
Edwin M. Lines, Dedham, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts

No Drawing. Application June 17, 1939, Serial No. 279,689
9 Claims. (Cl. 91—70)

1. The method of coating granules of the class described which consists in first coating the same with finely powdered serpentine, then applying to the granules thus coated an aqueous coating of sodium silicate, and finally heating said granules to a temperature sufficiently high to react

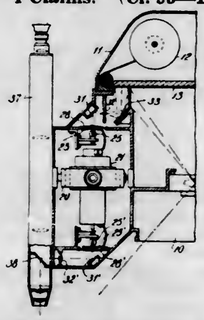
said coatings in situ inter se and produce on said granules a hard, insoluble, weather-proof non-blooming exterior coating.

2,273,875
DRAG PAN
Edward Livesey, Raleigh, and Palmer Copeland, Apex, N. C.
Application July 30, 1940, Serial No. 348,472
2 Claims. (Cl. 37—126)



1. In combination with a tractor having a power lift, a drag pan provided with a releasable bottom opening in a rearward direction, a blade at the forward edge of the pan, thrust arms pivotally connected to side portions of the pan forwardly of the center of gravity thereof, a slidable connection between the upper ends of the thrust arms and the tractor, a pair of pivotal links having their forward ends pivotally connected to the tractor and their rearward ends pivotally connected to the pan at the side portions thereof and at points where the thrust arms connect to the pan, and a link member extending from the power lift to the said pivotal link members, and brace members extending from the upper portions of the thrust arms to the rearward portion of the pan.

2,273,876
APPARATUS FOR INDICATING TILT OF CAMERAS
Frederick W. Luts, Garden City, and John D. Peace, Jr., Flushing, N. Y.
Continuation of application Serial 183,976, January 8, 1938. This application February 12, 1940, Serial No. 318,424
4 Claims. (Cl. 95—1.1)



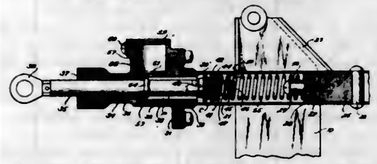
1. A device for indicating the tilt of an aerial camera and for recording the amount of tilt on a film, said device comprising, in combination, a stable element movably mounted on said camera, a view finder mounted on said camera, a plurality of members connected to said element and movable therewith, whereby said members remain in predetermined positions regardless of the attitude of the camera at the instant of exposure of said film, an optical system mounted on said camera and optically arranged relative to one of said members and to said film for projecting an image of said one member on said film at the instant of exposure so that the film when developed will include a record of the attitude of the camera at the instant of exposure, and an optical system mounted on said camera and optically arranged relative to another of said members and to said view finder for projecting an image of said other member within the field of view of said view finder so that the operator of the camera can determine the attitude thereof preliminary to taking an exposure.

2,273,877
DOOR SADDLE
Fred W. Kammerer, New York, N. Y.
Application May 4, 1939, Serial No. 271,797
13 Claims. (Cl. 20—64)



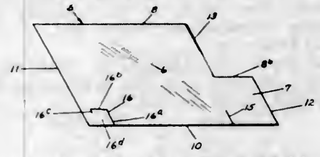
1. The combination with a sliding door, of a saddle having a raised tread section of substantial width disposed directly below the door and a longitudinally extending, upwardly facing, relatively narrow groove along one edge, and an extruded metal strip secured along and substantially coextensive in length with the lower edge of the door and including a first flange projecting into said upwardly facing channel in substantially weathertight relation, and a second flange integral with said strip projecting outwardly and downwardly and covering the joint between the first flange and the channel.

2,273,878
GUN RECOIL DAMPING STRUCTURE
Gervase M. Magrum and Frank M. Salisbury, Buffalo, N. Y.; said Magrum assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York, and said Salisbury assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application April 22, 1938, Serial No. 203,500
3 Claims. (Cl. 89—42)



1. A gun structure comprising a barrel body having a gun barrel extending from the forward end thereof, means to support said body for tilting, said means comprising a U-shaped support, a frame comprising a pair of elongated tubes disposed extending one along each side of said body, respectively, and connected adjacent the breech end of said body by a crossmember connected with the breech end of said body, said tubes being each pivotally connected to a free arm of said U-shaped support and adjacent the forward end of said tubes, means connecting said frame with the forward end of said barrel body for controlled longitudinal movement of said body with respect to said frame, said means comprising pistons entered slidable in the forward end of said tubes, respectively, piston rods connected to said pistons and pivotally connected at their forward ends to the forward end of said body, each of said tubes being provided with a plug abutment member therein and secured thereto, and being provided with compression spring means disposed extending between said pistons and said plugs, housings defining an oil reservoir and also defining guides for said piston rods, said housings each comprising a tubular body having a reduced portion entered in the forward end of a tube and having an enlarged portion in abutting relation to the forward end of a tube, and means on said housing forming a sealed connection with a piston rod slidable therein.

2,273,879
SHINGLE
William E. Maxey, East St. Louis, Ill.
Application December 20, 1939, Serial No. 310,208
2 Claims. (Cl. 108—7)



1. In a roofing shingle, a rhomboidal body portion for laying with its long sides extended horizontally and its lower obtuse angle to the left, a lesser, integrally formed rhomboidal extension from the body portion on the right end thereof and aligned at its lower margin with the lower margin of the body portion, the height of the lesser extension corresponding to the desired overlapping of upper rows of shingles upon lower rows, whereby by aligning the upper horizontal margins of said extensions of an upper row with the upper horizontal margins of the body portions of a lower row, the work of shingle laying may be standardized and expedited.

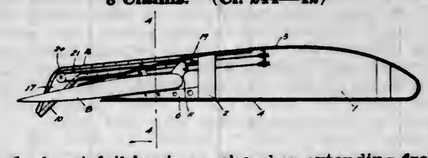
2,273,880
MOISTUREPROOF SHEET WRAPPING MATERIAL
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1939, Serial No. 302,318
10 Claims. (Cl. 91—68)

6. The process which comprises coating regenerated cellulose sheet with the butadiene drying polymer obtained by heating a mixture consisting of:

	Parts
Butadiene	3600
Benzene	780
n-Butyraldehyde	120
Catalyst (equal parts of copper acetate/H_2O, copper metal, iron powder, ferrous oxide)	480

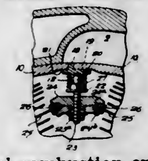
for 5 hours at 160° C. with stirring, cooling, diluting with 6650 parts benzene, filtering off the catalyst, treating the filtrate with carbon black, and evaporating off the benzene and by-product vinyl-cyclohexene; curing the coating material to produce a non-tacky anchoring coat; and thereafter applying a moistureproofing coating.

2,273,881
VARIABLE AIRFOIL
Donald J. Naumann, Inglewood, Calif.
Application January 21, 1938, Serial No. 186,121
8 Claims. (Cl. 244—42)



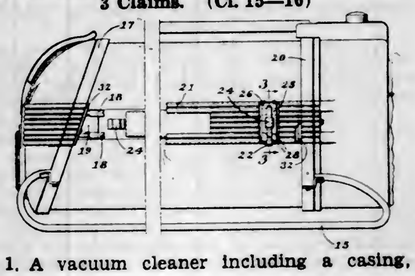
1. An airfoil having a chamber extending from its trailing end forward, a flap normally seated within said chamber, roller carriages on said flap, a track comprising rails seated within said chamber upon which said carriages are mounted to ride, the said track extending in a substantially straight line to the trailing edge of the wing from which point it is bent diagonally downward a distance substantially the length of said carriages, and means for moving the airfoil along said track.

2,273,882
INTERNAL COMBUSTION ENGINE
Bror Arne Nordstrom, Trollhattan, Sweden
Application March 6, 1940, Serial No. 322,524
In Sweden February 2, 1939
10 Claims. (Cl. 123—44)



1. An internal combustion engine having a rotatably mounted block of radially arranged ported cylinders, a stationary valve ring encircling said cylinders and having a ported inner valve track surface, the ports in said valve track being successively brought into communication with the cylinder ports upon rotation of the cylinders, and slide shoes carried by the cylinders for closing the valve ports when they are not in communication with the cylinder ports, said shoes being interconnected to form a circular ring and having axially spaced sets of peripherally overlapping surfaces interengaging to prevent angular displacement of the shoes relative to each other and to the plane of rotation of the cylinders.

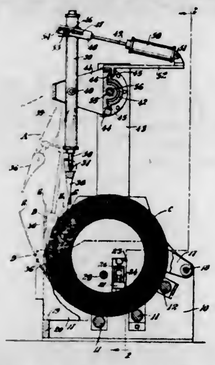
2,273,883
VACUUM CLEANER
George W. Norrick, New Canaan, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application March 17, 1939, Serial No. 262,403
3 Claims. (Cl. 15—16)



1. A vacuum cleaner including a casing, a

guard plate for said casing presenting a relatively smooth exterior bumper surface, a bracket secured to said casing beneath said guard plate, a locking plate secured to said guard plate and having arms straddling said bracket, and a key for securing said guard plate to said casing entering a side opening in said guard plate passing between the arms of said locking plate and through said bracket, a free end of said key riding up an inclined surface provided in said locking plate for producing a force holding said guard plate in engagement with said casing.

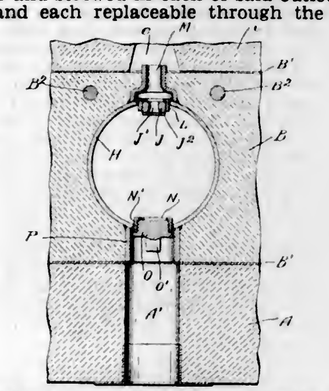
2,273,884
COIL OPENER
Stone Nyberg, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
Original application April 29, 1939, Serial No. 270,732. Divided and this application December 27, 1940, Serial No. 371,876
7 Claims. (Cl. 242—78)



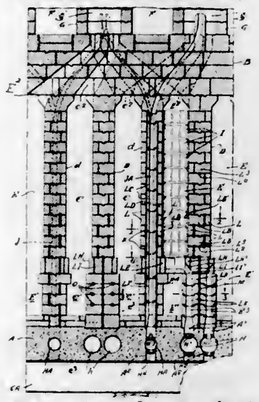
1. Apparatus for opening the outer end of a coil of metal including rolls for supporting the coil parallel to the rolls, means for rotating the rolls to rotate the coil around its axis, means for clamping the coil against movement upon the rolls, a fluid cylinder pivotally mounted adjacent to the coil, a piston rod in the cylinder movable tangentially toward the coil, an elongated tapered spud pivotally mounted at its larger end upon said piston rod for engaging the smaller end of the spud under and opening up the outer end of the coil, and means for swinging said cylinder upon its pivot to urge the spud against the periphery of the coil.

2,273,885
UNDERFIRED COKE OVEN
Carl Otto, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware
Application October 9, 1939, Serial No. 298,526
6 Claims. (Cl. 202—141)

1. An underfired regenerative coke oven battery comprising a basement space, a masonry mass above said space and including coking chambers, flued heating walls, and regenerators, and combustible agent distribution pipes embedded in the lower portion of said mass and extending transversely of the battery, each of said pipes having a plurality of internally threaded outlet openings in the upper portion of its wall and distributed longitudinally of the pipe, and having access openings in the lower portion of its wall and arranged one beneath each of said outlet openings, externally threaded orifice members one for and screwed in each of said outlet openings, and each replaceable through the corresponding access opening, and a removable closure for each of said access openings.



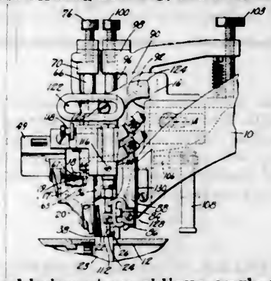
2,273,886
REGENERATIVE COKE OVEN
Carl Otto, New York, N. Y., assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware
Original application January 20, 1940, Serial No. 314,760. Divided and this application December 9, 1940, Serial No. 369,205
3 Claims. (Cl. 202—141)



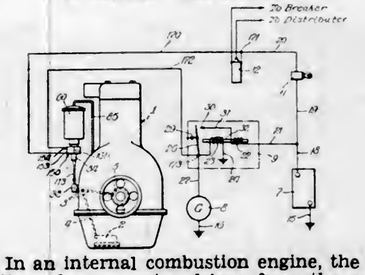
1. In a regenerative coke oven battery having a pair of side by side horizontally elongated regenerator chambers in which the gas pressures may be different, a regenerator division wall between and separating said chambers, and comprising molded ceramic block parts arranged in superposed courses with the parts in each course arranged at opposite sides of a vertical joint extending longitudinally of said wall and laterally displaced from the coresponding joint in each adjacent course at a different level, and a metallic plate leakage barrier in each such joint.

2,273,887
MACHINE FOR OPERATING ON SHEET MATERIAL
John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 3, 1939, Serial No. 302,730
8 Claims. (Cl. 33—129)

1. In a machine for operating on the edge of an article of sheet material, a frame, a shaft journaled in said frame, a rotatable roll mounted on said shaft and constructed and arranged to feed work past the operating point of the machine, a bearing surrounding said shaft, a measuring wheel on said bearing, the axis of the measuring wheel being at an oblique angle to the axis of the feed roll whereby the wheel at the point where it is engaged by the work is closer to the feed roll than at other points, and means actuated by the measuring wheel for registering the amount of work passing the operating point of the machine.



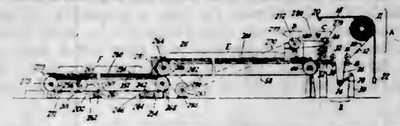
2,273,888
OIL PRIMER
Waldemar E. Paulsen, Maywood, Ill.
Application February 27, 1937, Serial No. 128,105
32 Claims. (Cl. 123—196)



1. In an internal combustion engine, the combination of a generator driven from the engine, a storage battery, connections between the battery and the generator arranged to prevent a flow of current from the battery to the generator when the latter is not operating and to provide for a flow of current from the generator to the battery, means adapted to supply lubricant to the engine when the latter is not running, and solenoid means for controlling said lubricant supply shunting at least a portion of said connections whereby the solenoid means can be energized by a flow of current from the battery through the solenoid means and said generator until the latter is driven by the operation of the engine at sufficient rate to bring both terminals of the solenoid means to substantially the same polarity.

2,273,889
METHOD OF AND APPARATUS FOR MANUFACTURING CONFECTION PRODUCTS
Hiram A. Perkins, Rochester, N. Y., assignor to Setter Bros. Inc., Cattaraugus, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 251,885
13 Claims. (Cl. 93—1)

1. In a machine for making small diameter rolled paper rods for use as confection sticks, a convoluter acting upon paper strips to form loosely wound rolls, transfer mechanism including a primary compacter acting upon said rolls, a secondary compacter including a conveyor receiving the rolls directly from the discharge end



of the primary compacter, and transfer means at the receiving end of the secondary compacter for guiding the rolls from the primary compacter to the secondary compacter without permitting any substantial unwinding of the rolls.

2,273,890
CELLULOSIC ARTICLE
Franklin Traviss Peters, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 20, 1940, Serial No. 330,729
5 Claims. (Cl. 91—68)

1. A softened regenerated cellulose article containing an amino-imino-methane sulfoxylic acid color stabilizing agent.

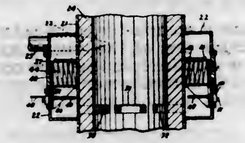
2,273,891
METHOD OF POLYMERIZING POLYMERIZABLE MATERIALS CONTAINING MORE THAN ONE POLYMERIZABLE GROUPING
Maxwell A. Pollack, Irving E. Muskat, and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Alleghany County, Pa., a corporation of Pennsylvania
No Drawing. Application February 18, 1939, Serial No. 257,138
13 Claims. (Cl. 260—78)

1. In a method of preparing a substantially infusible insoluble polymer the steps which comprise polymerizing an organic oxygen compound which contains at least two polymerizable unsaturated groups which are unconjugated with respect to carbon, interrupting polymerization after substantial polymerization has occurred but before the polymer is converted to a gel, substantially completely separating residual monomer from the resulting fusible polymer before the polymer is polymerized to an infusible state, subjecting the resulting polymer to a temperature and pressure sufficient to insure the existence of the polymer in a fused state, and continuing polymerization of the fused polymer for a time sufficient to convert the polymer into a substantially infusible and insoluble state.

2,273,892
APPARATUS AND METHOD FOR PREHEATING OF AIR AND THE LIKE
Herbert A. Reece, Cleveland Heights, Ohio, and Oliver Smalley, Pittsburgh, Pa., assignors to Meehanite Metal Corporation, a corporation of Tennessee
Application June 3, 1940, Serial No. 338,514
18 Claims. (Cl. 266—14)

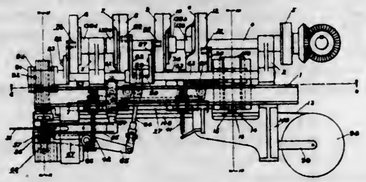
1. In a metallurgical furnace having a wind box positioned around the body of the furnace for supplying blown air through a plurality of tuyères to the interior of the furnace for the promotion of combustion therein, said wind box having an inlet adapted to communicate with a

source of said blown air and having outlets in communication with said tuyères, a heater mounted within said wind box intermediate, and at a distance from, the said inlet and said outlets in the path of the flow of air through the wind box, said heater having a plurality of passageways extending therethrough in a direction substantially longitudinal of the wind box for the flow of air from the portion of the wind



box adjacent said inlet to the portion of the wind box adjacent said outlets, said passageways being substantially uniformly distributed around the cross-sectional area of the wind box to equalize the flow of air therethrough, said heater having heating surfaces substantially uniformly distributed around the cross-sectional area of the wind box for uniformly heating the air flowing through the cross-sectional area of the wind box to said outlets to supply the heated air through the tuyères to the interior of the furnace.

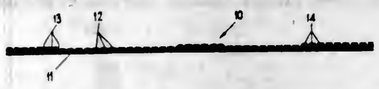
2,273,893
METAL CLIP MACHINE
Charles F. Richard, Battle Creek, Mich.
Application August 12, 1939, Serial No. 289,863
17 Claims. (Cl. 1—2)



1. In a machine adapted to utilize suitable metal tape, means to form such tape into metal clips, each of said clips being of unit construction with prongs and an extending anchoring member, means to cut prong receiving openings in a suitable article on which said pronged clips are to be installed, and means to install the clips at proper location on said article with said prongs extending through said openings and clinched to said article.

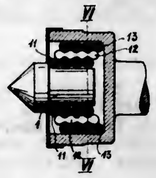
2,273,894
COMPOSITE METALLIC FABRIC
Otto Paul Riedel, Bergenfield, N. J., assignor to Metaphane Inc., New York, N. Y., a corporation of New York
Application July 9, 1940, Serial No. 344,513
3 Claims. (Cl. 41—18)

1. In a composite flexible fabric having a decorative surface, comprising a woven fabric background, a superimposed metal foil covering the entire surface of said fabric, portions of the metal foil surface having a flexible covering thereon forming a ground, leaving other portions forming ornamental figures, the entire area of said fabric having closely spaced linear indentations passing through said flexible covering and said metal foil and stopping short of said woven fabric, said indentations being spaced apart in staggered and parallel relation and causing the uncovered portions to simulate interlaced metallic threads of high luster crossing non-lustrous threads, said indentations causing said metallic surface to assume the pliability of said woven background, said indentations forming metallic



elements all over the normally exposed surface of said fabric, the decorative surface of said metallic elements being adapted to reflect light directed from all angles against said decorative surface and causing said composite fabric to simulate a woven metallic cloth.

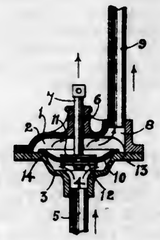
2,273,895
ROLLER OR BALL BEARING
Werner Roterberg, Dusseldorf, Germany
Application December 23, 1938, Serial No. 247,322
In Germany December 23, 1937
1 Claim. (Cl. 308—234)



In a bearing for lathe centers and the like, the combination including a mandrel having a shoulder, a cup-like bearing housing for receiving said mandrel, a cover for said cup and surrounding said mandrel, and a plurality of roller bearings arranged concentrically in said housing about the mandrel, each of said bearings consisting of an elongated one-piece body having a plurality of spherical main bearing surfaces connected by intermediate portions of such length as to provide each of said bearing surfaces with opposite thrust bearing areas to absorb axial thrust when the bearings are juxtaposed in concentric annular rows about the mandrel and within the housing, the bearings of each row being displaced axially inwardly relative to the said shoulder of the mandrel.

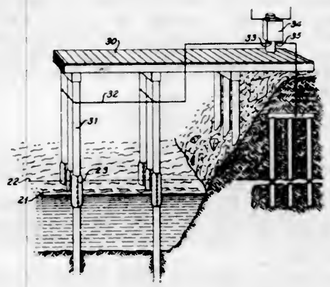
2,273,896
RECIPROCATING PUMP
Frederick Richard Simms, London, and Bertram Charles Joy, Bognor Regis, England
Application May 6, 1940, Serial No. 333,878
In Great Britain July 14, 1939
8 Claims. (Cl. 103—75)

1. A pump for liquids comprising a pump casing, a pump chamber within said casing having spaced inlet and outlet passages, said passages being devoid of valves; a seating within said chamber between said inlet and outlet passages; a reciprocable diaphragm within said chamber between said inlet and outlet passages acting as a combined piston and valve and dividing the pump chamber into a suction section in communication with the inlet passage and an outlet section in communication with the outlet passage, said diaphragm having a central portion and a free and flexible peripheral portion, said peripheral portion adapted to engage said seating during the power stroke of the diaphragm when the diaphragm is drawing liquid into the suction section through the inlet passage and simultaneously forcing liquid from the outlet section through the outlet passage, and to move away from said seating during the return stroke of the diaphragm under the pressure of the flow of the liquid through the pump to permit passage of the liquid from said suction section to said out-



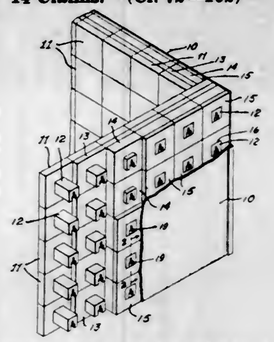
let section; and means for reciprocating said diaphragm, the position of said seating with respect to the suction and outlet chambers, as well as the length of the reciprocating movements imparted to the diaphragm, being such that the central portion of said diaphragm is moved to positions both above and below said seating as said diaphragm is reciprocated.

2,273,897
METHOD OF AND MEANS FOR ELECTRICALLY PROTECTING AGAINST CORROSION PARTIALLY SUBMERGED LINEAR METALLIC STRUCTURES
Gordon N. Scott, Los Angeles, Calif.
Application November 10, 1937, Serial No. 173,864
3 Claims. (Cl. 204—147)



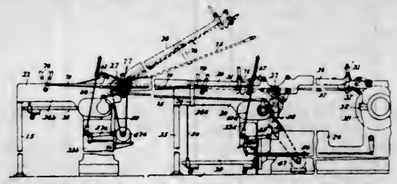
1. A method of protecting against corrosion a linear metallic structure partially submerged in water, in which the water line is variable and in which a layer of water is always in contact with the water-line region of said structure, which comprises encasing said structure in an envelope saturable by water in the water line region, said envelope becoming electrolytically conducting when said envelope is partially submerged in water, an artificially placed anode adjacent said structure and discharging current from an external source from said anode through said water in which said structure is partially submerged, said metallic structure being the cathode of said electric circuit.

2,273,898
FURNACE WALL
Albert P. Short, Upper Darby, Pa.
Application February 3, 1940, Serial No. 317,115
14 Claims. (Cl. 72—102)



1. A furnace lining block comprising a plurality of laminations one of which has a portion which extends through at least one other lamination.

2,273,899
SHEET-DELIVERY MECHANISM
Joseph Sinkovitz and John Kunz, Pittsburgh, Pa., assignors to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1938, Serial No. 199,657
14 Claims. (Cl. 271—64)

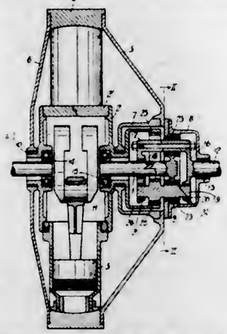


1. Apparatus for receiving and stacking sheets fed successively along a predetermined path, comprising a plurality of pile supports disposed along said path, a sheet conveyor extending laterally of each support, said conveyors being capable of being so positioned as to constitute a substantially continuous conveying means effective to carry sheets to the last support along said path, and means mounting at least one of said supports for swinging movement about a vertical axis relative to the conveyor extending therefrom, without affecting continuous travel of sheets along said conveyors successively.

2,273,900
INTERNAL COMBUSTION ENGINE
Ignac Sklenár, Paris, France, assignor of two-thirds to Nils Gustaf Hezekiel Frenne, Stockholm, Sweden
Application February 2, 1938, Serial No. 188,306
In Sweden February 5, 1937
2 Claims. (Cl. 123—44)

1. In a bi-rotary engine, the combination with a crankshaft member, a rotatably mounted cylinder bank member and a rotationally stationary timing member, of a planetary gearing unit interconnecting said members in desired phase relation and speed of operation with respect to each other, said gearing unit comprising a sun gear on said crankshaft member, a stationary gear on said timing member, a rotatably mounted

planet carrier, a first set of planets mounted on said carrier each meshing with said sun gear and said stationary gear, a cylinder gear on said cylinder bank member and a second set of planets on said carrier, the planets of said second set being connected to the planets of said first set so that the planets of both sets are constrained to turn about their respective axes at the same speed and to rotate about the axis of said planet carrier at the same speed, the planets of said



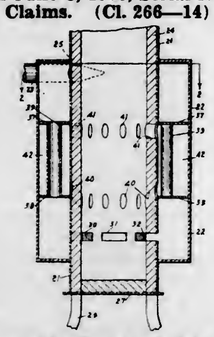
second set meshing with said cylinder gear and the planets of one set having a diameter different from that of the planets of the other set, whereby to cause said cylinder bank member to rotate whenever the crankshaft member is rotated and to determine both the relative speed of rotation and sense of direction of rotation between the crankshaft member and the cylinder bank member in accordance with the relation between the diameters of the planets of said first and said second sets.

2,273,901

APPARATUS FOR PREHEATING THE AIR SUPPLY FOR A FURNACE

Oliver Smalley, Pittsburgh, Pa., and Herbert A. Reece, Cleveland Heights, Ohio, assignors to Mechanite Metal Corporation, a corporation of Tennessee

Application June 3, 1940, Serial No. 338,468
7 Claims. (Cl. 266—14)



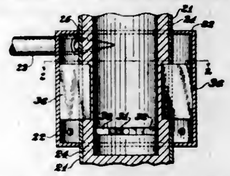
1. In a furnace having a wind box positioned around the body of the furnace for supplying blown air to a plurality of tuyères communicating with the furnace, said wind box having an inlet adapted to communicate with a source of blown air, partitions dividing the wind box into a portion adjacent the inlet, a portion adjacent the tuyères and an intermediate portion extended therebetween, a plurality of conduits extending through said intermediate portion to provide communication for the flow of air from the portion adjacent the inlet to the portion adjacent the tuyères, said intermediate portion having a hot gas chamber provided therein, said hot gas chamber substantially surrounding said conduits for heating the air flowing therein and substantially extending between the said portion of the wind box adjacent the inlet and the said portion of the wind box adjacent the tuyères, said furnace having openings through the walls thereof to provide communication between the interior of the furnace and said hot gas chamber for the flow of hot gases generated by the furnace through said hot gas chamber, the air supplied to said tuyères being pre-heated by heat exchange with said hot gases.

2,273,902

APPARATUS AND METHOD FOR PREHEATING OF AIR AND THE LIKE BY CONDUCTION

Oliver Smalley, Pittsburgh, Pa., and Herbert A. Reece, Cleveland Heights, Ohio, assignors to Mechanite Metal Corporation, a corporation of Tennessee

Application September 30, 1940, Serial No. 359,018
18 Claims. (Cl. 266—30)



1. In a furnace having a wind box positioned adjacent to the wall of the furnace for supplying a blast of air to a plurality of tuyères, said wall comprising a shell and refractory lining, said wind box having an inlet adapted to communicate with a source of an air blast and having outlets in communication with said tuyères, a plurality of heat-conducting members disposed within said wind box and substantially uniformly distributed around said furnace for heating the air blast passing through the wind box from the inlet to the outlets, said heat-conducting members extending through said shell and into said refractory lining to receive heat generated within the furnace.

2,273,903

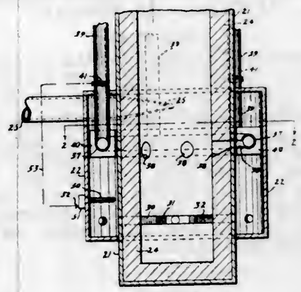
APPARATUS FOR UNIFORMLY HEATING AIR SUPPLIED TO A FURNACE

Oliver Smalley, Pittsburgh, Pa., and Herbert A. Reece, Cleveland Heights, Ohio, assignors to Mechanite Metal Corporation, a corporation of Tennessee

Application November 1, 1940, Serial No. 363,876
9 Claims. (Cl. 266—30)

1. Apparatus for pre-heating air delivered to a furnace through a plurality of tuyères substantially arranged in a plane transverse of the furnace comprising, in combination, disturbing means positioned exteriorly of, and around the periphery of, said furnace for distributing said air to the plurality of tuyères, conduit means for hot gases from the furnace positioned within said distributing means and extending circumferentially of said furnace in a plane substantially parallel to, and above, the plane passing through said tuyères, a plurality of spaced intake ducts providing communication between the interior of the furnace and said conduit means at intervals around the extent of the conduit means, and a plurality of spaced outlet ducts communicating

with said conduit means, said outlet ducts being positioned at intervals intermediate of said intake ducts, the arrangement of the conduit means, intake ducts and outlet ducts being such



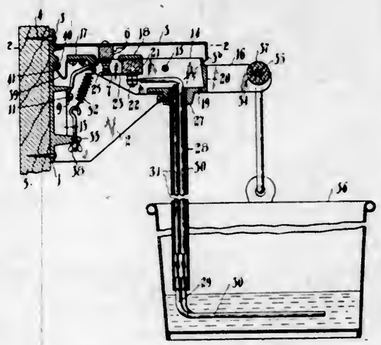
that hot gases from the interior of the furnace flow through the intake ducts, flow through said conduit means to heat the air in said distributing means prior to delivery to said tuyères and hence flow outwardly through said outlet ducts.

2,273,904

ELECTRIC HEATING APPARATUS

Elmore Stanley Smith, Weston, Ontario, Canada, assignor to Moffats Limited, Weston, Ontario, Canada

Application September 18, 1940, Serial No. 357,255
In Canada May 20, 1940
8 Claims. (Cl. 219—41)



1. Electric heating apparatus comprising an arm pivoted on a stationary part; a switch for connection with an electric supply circuit operable by the rocking of the arm for opening and closing the switch; a heating element carried by the arm and electrically connected with the switch, the element being adapted to heat the contents of a container when the latter is supported on the arm; means tending to turn the arm on its pivot to cause the switch to be opened when the weight of the container and contents is less than a predetermined amount; a stationary projection; and a spring finger carried by the arm and adapted to ride over the projection when the arm is rocked in either direction of rotation to ensure a sharp opening and closing of the switch.

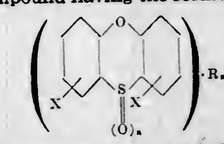
2,273,905

OXIDES OF SUBSTITUTED PHENOTHIOXINS

Frank B. Smith and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 24, 1939, Serial No. 275,506
4 Claims. (Cl. 260—327)

1. A compound having the formula:



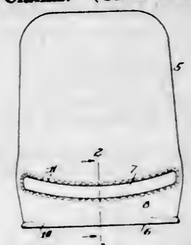
wherein R represents a cycloalkyl group, each X represents a member of the group consisting of phenyl, alkyl containing from 1 to 8 carbon atoms, inclusive, halogen, and hydrogen, and m and n are integers not greater than 2.

2,273,906

POUCH

Abraham N. Spánel, Rochester, N. Y.

Application August 30, 1935, Serial No. 38,550
3 Claims. (Cl. 128—284)



1. A hollow, seamless, deposited rubber pouch having a definite normal flattened shape permanently set in character, said pouch having opposed flat walls and at least one broad end edge, one of the flat walls of said pouch being closed while the other flat wall thereof has an opening therein, said pouch being closed at its edges except for an opening through said broad end edge, said last-mentioned opening being of a length approximating the length of said broad end edge, the margins of said pouch at said openings being reinforced by accreted ridges of rubber integral therewith.

2,273,907

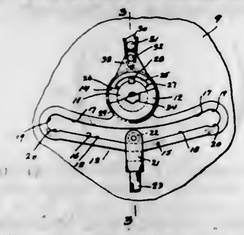
HOIST CONTROL

Frank E. Stahl, deceased, late of Tonawanda, N. Y., by Lillie M. Stahl, administratrix, Tonawanda, N. Y., and Alfred Cotesworth, Kenmore, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application December 23, 1938, Serial No. 247,373
5 Claims. (Cl. 74—470)

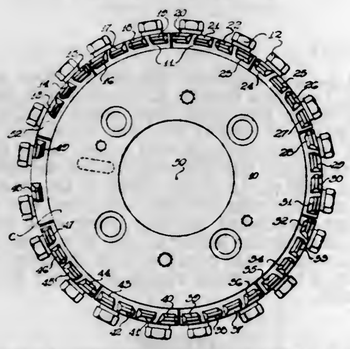
5. A control for single-phase, reversing electric motors of the type which continues its operation uni-directionally upon too rapid operation of the reversing means, comprising a control member freely movable in two directions, a manually actuated control lever oscillatably mounted substantially midway its length upon said control member for idle relative movement therewith through a limited arcuate path in either direction to its actuating position, said

control lever being adapted to be moved in either direction by means of a single operating rope, said control lever having outwardly and oppositely extending arms projecting one from each side thereof, each arm being formed with an inclined operating surface, the surface of each arm being inclined in the opposite direction and meeting and joining the surface of the other arm, each of said surfaces being formed with a



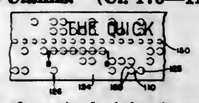
recess at its outer extremity, control means connected to said operating rope and slidably mounted upon the operating surfaces of said control lever and alternately engageable with said recesses, and interspaced detent means carried by said control shaft and said control lever for coupling said shaft and said lever at the extremities of said idle relative movement to positively actuate said shaft to either actuating position.

2,273,908
GEAR CUTTER
Arthur L. Stewart, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 21, 1940, Serial No. 336,419
4 Claims. (Cl. 29—105)



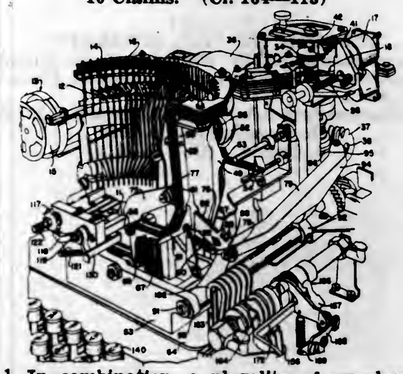
1. A face-mill gear cutter comprising a rotary head and a plurality of roughing and finishing blades which are secured to the head to project beyond one side face of the head in the general direction of the axis of the head, the roughing blades being equi-distantly spaced from one another a distance less than the face-width of the gear to be cut, and each finishing blade being spaced from the preceding blade a distance greater than the face-width of the gear to be cut, opposite side-cutting edges of the finishing blades being arranged at the same radial distance, respectively, from the axis of the cutter as corresponding side-cutting edges of the roughing blades, and there being a gap between the last finishing blade and the first roughing blade which is sufficient to permit slight axial withdrawal of the cutter as it revolves on its axis, but which is insufficient for indexing of the gear blank.

2,273,909
PRINTING TELEGRAPH APPARATUS
Carl W. Swan, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 20, 1939, Serial No. 274,811
13 Claims. (Cl. 178—112)



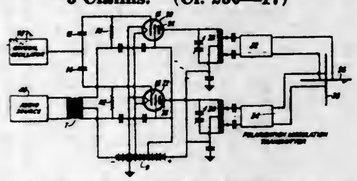
1. In a signal control strip, transverse rows of signal determining characteristics, each row including a variable number of partially severed lids struck in said strip, whereby said lids are integrally attached thereto to preserve the contiguity of said strip, and a strip feeding instrumentality in each row intermediate certain of the partially severed lids.

2,273,910
PRINTING TELEGRAPH APPARATUS
Carl W. Swan, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application July 5, 1940, Serial No. 244,098. Divided and this application December 23, 1940, Serial No. 371,353
10 Claims. (Cl. 164—113)



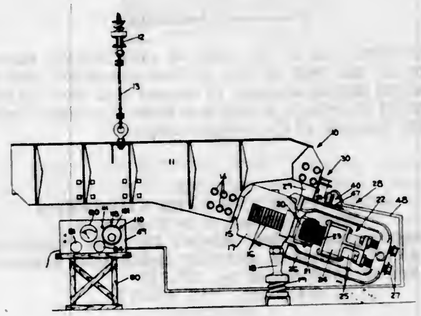
1. In combination, a plurality of punches, a die plate cooperating therewith having a corresponding plurality of holes, said die plate having a portion thereof so sheared off as to remove from each hole a similar segmental portion thereof, and a corresponding plurality of spring loaded ejectors carried by said die plate.

2,273,911
SYSTEM OF RADIO COMMUNICATION BY MEANS OF POLARIZATION MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1939, Serial No. 279,656
3 Claims. (Cl. 250—17)



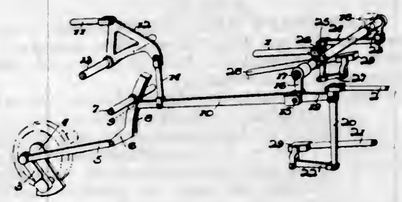
1. The method of modulation which includes the steps of, producing polarized wave energy, producing other wave energy of like frequency polarized in a different sense, differentially modulating the amplitudes of said wave energies at signal frequency and separately radiating the energies so modulated.

2,273,912
VIBRATORY CONVEYER OR MOTOR AND MEANS FOR CONTROLLING SAME
Lee P. Doyle, Columbus, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado
Application November 5, 1938, Serial No. 239,088
7 Claims. (Cl. 172—240)



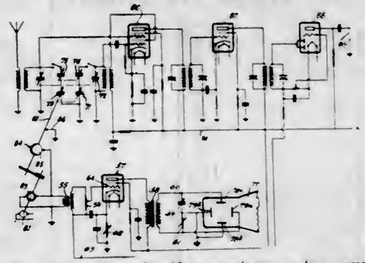
5. In vibratory apparatus, the combination with a vibratory electric motor having a vibrating member, an electrical circuit including an amplifier and means for measuring the amplitude of vibration of said vibrating member, means forming a standard of comparison with said amplitude measuring means having a predetermined normal relation therewith when the amplitude of vibration of said vibratory electric motor has a predetermined selected amplitude of vibration, and mechanism operable in response to variations in the amplitude of vibration of said vibrating member under the joint control of said measuring means and said standard to restore said amplitude of vibration to its predetermined selected value.

2,273,913
VALVE GEAR FOR COMPOUND LOCOMOTIVE ENGINES
Francois Marie André Athanase Walckenaer, Paris, France, assignor to Schneider & Cie, Paris, France, a company of France
Application April 23, 1940, Serial No. 331,228
In France July 1, 1939
5 Claims. (Cl. 121—111)



1. In a valve gear for compound locomotive engines of the type embodying valve mechanisms for controlling the admission of steam to the low-pressure and high-pressure cylinders which are so mechanically connected as to permit the two mechanisms to be controlled simultaneously from a single control member which acts through a rocker on a connecting rod one end of which is provided with a primary slide block movable in the usual oscillating link while the other end is operatively connected with the oscillating levers actuating the valves for the distribution of steam, a supplementary mechanism for correlating the movements of the low-pressure cylinder valve with those of the high-pressure cylinder valve comprising an auxiliary oscillating slotted link, a secondary slide block mounted in the slot thereof, an auxiliary connecting rod connecting said secondary slide block with the oscillating lever which actuates the distribution valve of the low-pressure cylinder, and means for adjusting the position of said secondary slide block in the slot of said auxiliary link including a cam carried by said rocker, and a link system controlled by said cam and operatively connected to said auxiliary connecting rod.

2,273,914
RADIO NAVIGATION SYSTEM
Marcel Wallace, New York, N. Y., assignor, by direct and mesne assignments, to Panoramic Radio Corporation, a corporation of New York
Application April 26, 1938, Serial No. 204,470
27 Claims. (Cl. 250—11)

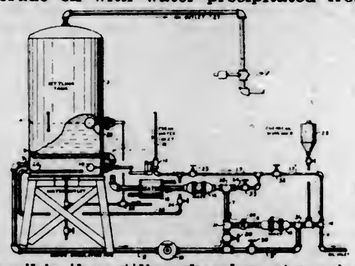


2. In a radio navigation system, a transmission system consisting of a plurality of radio signalling stations, each of said stations including a high frequency generator and radiating means for transmitting unmodulated radio frequency energy whose carrier frequency varies periodically within predetermined limits, the rate of carrier frequency variation being predetermined and the said limits of frequency variation being characteristic for each one of said stations, all of said stations being operative within a predetermined band of the frequency spectrum and a signal receiving system comprising in combination with a signal receiving circuit, visual means for individually and simultaneously indicating within the said predetermined band of the frequency spectrum the respective limits of frequency variations of each of a plurality of signals from said stations and the respective amplitude variations of said signals between the frequency limits in any location of the receiver with respect to said transmission system.

2,273,915
PROCESS OF DESALTING PETROLEUM
Frank E. Wellman, Wichita Falls, Tex.
Application March 18, 1938, Serial No. 196,758
11 Claims. (Cl. 252—348)

1. A process for desalting crude oil or fractions

thereof comprising contacting the oil with water in a continuous system having a settling chamber, in which the brine concentration is built up by the contacting and recontacting of incoming crude oil with water precipitated from the



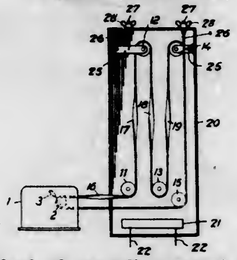
crude oil in the settling chamber, at a point outside the settling chamber, and maintaining the brine concentration by the introduction of water into the system and the release of excess brine from the system.

2,273,916

INSTALLATION FOR MECHANICALLY RECORDING SOUND ON ENDLESS TAPES COATED WITH WAX

Hugo Westerkamp, Cologne-Braunsfeld, Germany

Application July 8, 1939, Serial No. 283,489
In Germany August 13, 1938
1 Claim. (Cl. 274—11)



The method of recording sound upon a long endless tape having a carrier backing coated at one face with wax by cutting a sound track in the wax coating, which comprises supporting the major portion of the endless tape in the form of loops passing in zigzag fashion about spaced turning points, said tape being twisted between consecutive turning points through 180 degrees about its longitudinal axis so that only the carrier backing contacts the supports and the wax coating is protected against contact, and maintaining the tape substantially throughout its length at a predetermined temperature for the optimum condition of the wax for the zigzag and twisting movement of the tape and for cutting the sound track, and during the passage of the tape from the cutting point through its zigzag and twisted course and back to the cutting point.

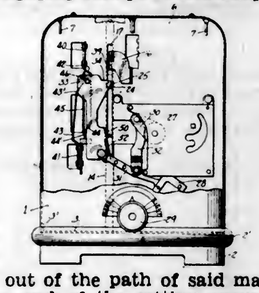
2,273,917

AUTOMATIC TOASTER

Allan M. Young, Meriden, Conn., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application August 3, 1940, Serial No. 350,252
6 Claims. (Cl. 161—16)

1. In an automatic electric toaster, a movable rack for carrying the toast, a timing and switch mechanism, means for setting said timing and switch mechanism including a pawl member and a manual operating member, said pawl member occupying a position in the path of said manual member during the setting operation, a spring member engaging said pawl and adapted to kick



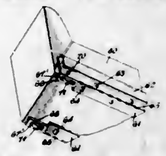
the same out of the path of said manual member at the end of the setting operation and a second spring adapted to engage said pawl at the end of its return stroke and force the same again into the path of the manual member.

2,273,918

CONTAINER AND PART THEREFOR

Philip Zalkind, New York, N. Y.

Original application October 19, 1935, Serial No. 45,715. Divided and this application September 29, 1939, Serial No. 297,030
6 Claims. (Cl. 45—77)



1. A collapsible drawer and casing therefor, said drawer being adapted to be slidably supported in said casing; said drawer having score lines along the edges thereof along which the walls of said drawer are collapsible into a substantially flat unit; a track member comprising a metallic angle member secured along the bottom edges of said drawer extending longitudinally along the bottom and side of said drawer to form a reinforcing edge therefor; a predetermined bend line formed in said angle member coinciding with the score lines of said drawer to permit collapse of said drawer; the portion of said metallic member extending along the bottom having a hole for receiving a roller; a bearing secured to the portion of said metallic member extending along the side adjacent to said hole; and a roller mounted on said bearing for permitting rolling movement of said drawer within said casing.

2,273,919

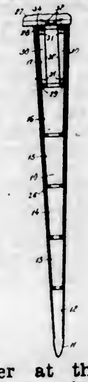
AIRCRAFT WING STRUCTURE

George A. Allward, Hagerstown, Md., assignor, by mesne assignments, to John F. Neary, Jr., Englewood, N. J., as trustee

Application October 8, 1938, Serial No. 233,934
4 Claims. (Cl. 244—123)

4. A structure for aeroplane wings and the like, comprising a hollow shell of airfoil contour consisting of upper and lower half-shells, each comprising a plurality of layers of plywood bonded to each other and of progressively decreasing lengths longitudinally of the wing so as to progressively overlap from the butt toward the tip

of the wing, each layer extending chordwise of the wing from the leading edge thereof to provide a shell wall of substantially uniform thickness at any transverse section therethrough, means securing said half shells together at their leading edges, a longitudinal spar securing said



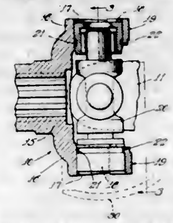
half-shells together at their trailing edges, mounting means for the wing including a transverse bulkhead secured within the wing at the butt end thereof, and securing members connected to said last-named means for mounting the wing on the aeroplane.

2,273,920

UNIVERSAL JOINT

Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application May 12, 1939, Serial No. 273,203
5 Claims. (Cl. 64—17)



1. In a universal joint of the intermediate pivotal member type including a yoke, a bearing cup, and a strap for holding said bearing cup on an arm of the yoke; said arrangement being particularly characterized by the formation in said cup of a circumferentially extending recess, and said strap being formed on its inner side with a radially inwardly and circumferentially extending flange for reception in said recess, said flange functioning to position said bearing cup axially and maintain the same against radially outward movement and providing for quick assembly and disassembly.

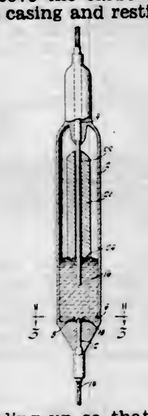
2,273,921

INTERRUPTER

George Bain, Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 4, 1940, Serial No. 364,167
4 Claims. (Cl. 200—113)

4. In an interrupter, a cylindrical glass casing, a block of carbon supported in one end of the casing, an electrode connected thereto, a second electrode supported in the opposite end of the casing and extending through the center thereof to a position above the carbon, a body of mercury within the casing and resting upon the car-



bon and extending up so that the second electrode is immersed therein and a weight slidably mounted on the second electrode and seated upon the upper surface of the mercury to maintain it in contact with the carbon surface.

2,273,922

FLUORINE-CONTAINING COMPOUNDS OF THE NAPHTHALENE SERIES

Anthony F. Benning, Woodstown, and Hans B. Gottlieb, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 9, 1940, Serial No. 344,542
2 Claims. (Cl. 260—649)

1. Trifluoromethyl-naphthalene.

2. A process for preparing trifluoromethyl-naphthalene which comprises reacting naphthalene with carbon tetrachloride and anhydrous hydrogen fluoride in the presence of copper.

2,273,923

SEPARATION OF ORGANIC COMPOUNDS

Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 11, 1939, Serial No. 261,236
6 Claims. (Cl. 202—42)

1. Method of separating a constant boiling mixture of acetone and a cyclic ether, the ether having a higher boiling point than the acetone into its components, comprising contacting the vapors of the mixture in a distillation unit with an organic liquid miscible with and having a higher boiling point than the cyclic ether selected from the group consisting of polyhydric alcohols and their partial ethers under such conditions that the acetone remains in vapor form while the cyclic ether condenses.

2,273,924

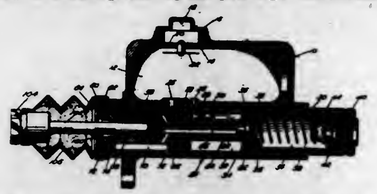
FLUID PRESSURE BRAKING SYSTEM

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application February 7, 1940, Serial No. 317,741
1 Claim. (Cl. 60—54.6)

A fluid pressure device having a high pressure

chamber, and a low pressure chamber discharging into the high pressure chamber, a piston movable in each of the chambers for creating pressure, and means for relieving the pressure in the low pressure chamber as the pistons advance including an open passage interconnect-

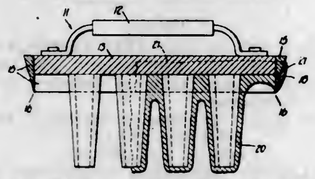


ing the low pressure chamber and the reservoir, a restricting wire disposed in said passage to reduce the effective area thereof to a value such that it will be too small to relieve the pressure in the low pressure chamber so long as the piston therein has any substantial movement.

2,273,925
STABILIZED DRILLING MUD
Donald C. Bond, Northbrook, and Charles W. Botaford, Niles Center, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 30, 1940, Serial No. 368,038
20 Claims. (Cl. 252—8.5)

1. An improved drilling mud comprising basic dye positive colloid drilling mud to which has been added a modicum of material selected from the group consisting of starch, wheat gluten and acid casein.

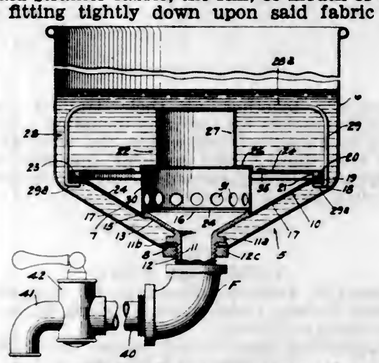
2,273,926
METHOD OF FORMING METAL SHELLS AND ARBOR FOR THE SAME
James L. Brannon, Plainfield, and Stephen A. Mras, Perth Amboy, N. J., assignors to Bakelite Corporation, a corporation of New Jersey
Application December 20, 1938, Serial No. 246,778
8 Claims. (Cl. 22—136)



6. In a method of forming a shell by the dipping of an arbor in a molten material and the freezing of the material thereon, the steps which comprise delimiting the surface of the arbor covered by the shell, and causing separation of an excess formed in extension of the shell on the arbor by preventing freezing along the bounding edge of the delimited surface.

2,273,927
STRAINER
David O. Brant, Canoga Park, Calif.
Application December 17, 1938, Serial No. 246,406
4 Claims. (Cl. 210—159)

1. In a structure of the kind described, a strainer frame having an upper section of a circular character with a substantially flat topped dome upstanding from its central portion, and a lower section, said sections detachably meeting each other along two horizontally and vertically spaced inner and outer joints, said outer joint comprising an annular groove and flange, said lower section having a vertical annular rib forming a part of said inner joint downwardly spaced from said outer joint and a downwardly directed central outlet downwardly spaced from said annular rib, a strainer fabric, a portion of which is interposed between the groove and flange portions of said outer joint, the portion of said fabric circumscribed by the latter joint being downwardly directed and extended horizontally across said annular rib, said lower section of the frame having apertures to direct the liquid being strained through said downwardly directed portion of said fabric before it reaches a second straining through the horizontal portion of said strainer fabric, said upper section being provided with an inverted cup shaped member, the open side of which overlies the central portion of said strainer fabric, the rim, or mouth of said cup fitting tightly down upon said fabric ex-



ternally of said annular rib to prevent short circuiting of the liquid toward said outlet, said cup having a series of liquid admission openings through its side wall in order to conduct the liquid being strained to the portion of said strainer fabric which is encompassed by the mouth of said cup where the second straining operation of the liquid is performed, a resilient bail having a substantially straight central portion seated on the flat top of said dome and unsupported side portions to add to the springiness thereof, said side portions having downwardly directed arms which terminate in inwardly directed portions which underlie said outer joint to clamp said upper and lower sections together and thereby make liquid tight the inner and outer joints aforesaid, and an outside container supporting said strainer frame and affording means to conduct the liquid being strained to said fabric, said container having a bottom outlet through which projects the aforesaid outlet of the lower strainer frame section in a liquid tight manner.

2,273,928
MERCURY INTERRUPTER
William S. Brian, Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 20, 1939, Serial No. 251,886
4 Claims. (Cl. 200—113)

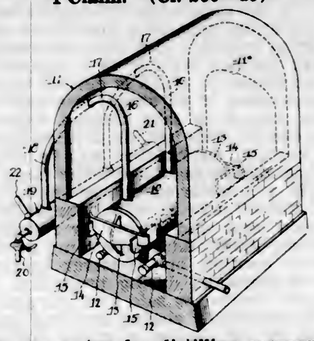
1. In an automatic periodic interrupter, an envelope, a ceramic disk supported within the envelope and dividing it into a plurality of chambers, said disk formed of a mixture of Al_2O_3 and zircon to withstand heat and provide sufficient mechanical strength, said disk having an aper-

ture therethrough, mercury partially filling the chambers and flowing through the aperture, and means applying a potential difference to the large bodies of mercury causing current flow



through the mercury in the aperture sufficient to heat and vaporize the same to break the circuit which at once condenses and again reforms the circuit.

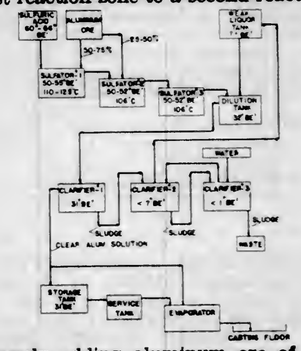
2,273,929
RECOVERY RETORT FOR MERCURY AND THE LIKE
William Brotherton, Chicago, Ill., assignor to Elizabeth M. Price, Chicago, Ill.
Application February 12, 1941, Serial No. 378,560
1 Claim. (Cl. 266—19)



In an apparatus for distilling mercury or the like, a retort, heating means for said retort, a vapor discharge duct leading from the top of said retort, a portion of said duct being arched upwardly and thence downwardly in an unrestricted path within the vaporizing influence of said heating means, and the remaining portion of said duct being inclined continuously downwardly beyond the vaporizing influence of said heating means, whereby all products of condensation in the portion of said duct beyond the arched portion thereof will drain away from said retort.

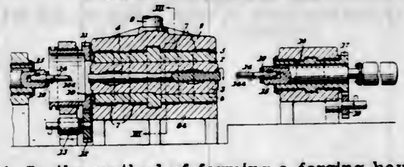
2,273,930
PROCESS OF SULPHATING ALUMINUM ORE
Robert L. Brown, Atlanta, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application November 2, 1939, Serial No. 302,507
7 Claims. (Cl. 23—123)

1. In a process of making aluminum sulphate by the treatment of an aluminum ore with sulphuric acid, the steps which consist in continuously adding at a predetermined rate substantially all of the sulphuric acid required for the treatment to a first reaction zone, continuously adding aluminum ore to said first reaction zone at such a rate as to supply but a fraction of the amount of ore chemically equivalent to the sulphuric acid present in said zone, continuously conducting both the liquid and solid contents of said first reaction zone to a second reaction zone,



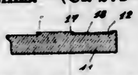
continuously adding aluminum ore of substantially the same kind and substantially the same particle size as that added to the first reaction zone to said second reaction zone at such a rate as to supply the amount of ore required for substantial completion of the reaction, and continuously conducting both the liquid and solid contents of said second reaction zone to a third reaction zone wherein the reaction is completed.

2,273,931
FORGING
Clarence P. Byrnes, Delray Beach, Fla.
Application July 27, 1939, Serial No. 286,847
4 Claims. (Cl. 29—148.2)



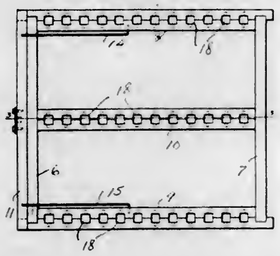
1. In the method of forming a forging having within its end portion a hole of greater length than diameter, the steps consisting of rotating a relatively larger blank and a relatively smaller punch in opposite directions, simultaneously causing relative endwise movement of the blank and punch to force the punch into the end portion of the blank and expand it while forming a substantially straight hole therein, and then reversing the movement to cause withdrawal of the punch from the hole.

2,273,932
GAME
Irving Caesar, New York, N. Y.
Application April 6, 1938, Serial No. 200,298
4 Claims. (Cl. 273—131)



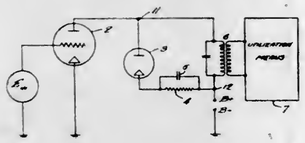
1. A game board having a playing surface formed of square subdivisions, alternate squares being undercut to accommodate inscribed flat elements separable from said squares.

2,273,933
PORTABLE LAUNDRY RACK
Arthur L. Campbell, San Francisco, Calif.
Application December 30, 1939, Serial No. 311,892
1 Claim. (Cl. 211—89)



In combination with a window sill of a portable clothes hanger adapted to be removably suspended from the window sill, said hanger embodying in its construction a base member, a plurality of outwardly extending bars fixed thereto, a plurality of openings vertically provided through said bars and arranged in series therein, a plurality of resiliently controlled clothespins individually positioned in said openings, each of said clothespins including a coiled spring, and means extending through each coiled spring of the clothes pins and into the side walls of said openings for pivotally holding the clothespins therein.

2,273,934
NOISE LIMITING DEVICE
Richard L. Campbell, Hasbrouck Heights, N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 22, 1939, Serial No. 269,494
10 Claims. (Cl. 178—44)

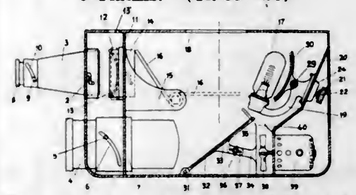


7. In a signal receiving system, a source of modulated carrier signals, a carrier signal utilization means, a carrier signal network connected between said source and said utilization means to transfer signals therebetween, a shunt signal path including a diode connected across the output circuit of said source, the frequency components of said carrier signals being impressed substantially without frequency discrimination on said diode, and a signal duration responsive circuit connected in said shunt signal path to control the impedance of said diode in accordance with the duration of carrier amplitude variations, said signal duration responsive circuit possessing a time constant such that noise signal modulation having a period substantially less than a predetermined maximum is greatly attenuated while desired signal modulation having a period substantially equal to or greater than said predetermined maximum is transmitted by said carrier signal network without substantial attenuation.

2,273,935
PENCIL LEAD
Isidor Chesler, Oceanport, N. J., assignor to Eagle Pencil Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 9, 1940, Serial No. 356,031
13 Claims. (Cl. 120—83)

1. A pencil lead presenting a porous structure impregnated with a fatty acid of the oleic acid series, and the mark of which has a predetermined low electrical resistance.

2,273,936
OPAQUE AND SLIDE PROJECTION APPARATUS
Leonardo Ceroni, Moncalieri, near Turin, Italy
Application January 23, 1939, Serial No. 252,495
In Italy February 2, 1938
6 Claims. (Cl. 88—26)



1. Projection apparatus comprising a housing of substantially parallelepiped form having flat outer surfaces free of protruding portions, so that any of said surfaces may be utilized as a supporting base for the apparatus, the surface which in normal use of the apparatus constitutes its upper surface being provided with an exposure opening, said upper surface serving as a support for a subject an image of which is desired to be projected, regardless of its shape, size and weight, projecting means in said housing mounted to maintain exactly their relative position regardless of what position the housing may be placed in, said means comprising an electric lamp which must be in a predetermined position for operation, a turnable arm in said housing for supporting said lamp and means for rotating said arm, thereby maintaining said lamp in its predetermined position on whatever surface the housing is supported during projection, and a brush device carried by said arm and said housing for automatically closing the feed circuit of said lamp in the various adjusted positions of said arm.

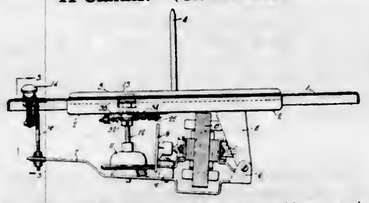
2,273,937
TRACTION LUG
William Vernal Coate, Greenville, Ohio
Application April 24, 1940, Serial No. 331,457
14 Claims. (Cl. 188—4)



1. In a traction lug, in combination with a vehicle having a wheel, a brake having a brake drum having a rear wall, and means for operating the brake, a surface-engaging element,

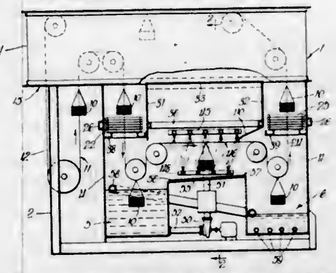
means operatively connecting the surface-engaging element with the rear wall, means connecting the brake operating means with the last mentioned means, and means connected with said last-mentioned means and being operable for shifting the surface-engaging element from an inoperative position above a surface to an operative position in front of a wheel to be run over by said wheel, said second mentioned means automatically returning the surface engaging element to operative position after said surface engaging element has been run over by the wheel.

2,273,938
TURNTABLE SPEED GOVERNOR
Colin B. Dale, Oak Park, Ill., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 24, 1941, Serial No. 416,418
11 Claims. (Cl. 74—206)



1. A drive mechanism for operating a turntable at a desired speed, comprising a driving element frictionally engaging the turntable; means mounting said element for translational movement in response to variations in speed of the turntable, and variable speed drive means for said turntable responsive to the translational movement of said element for restoring the desired speed of the turntable.

2,273,939
DEGREASING MACHINE
John W. Dammers, Oak Park, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a corporation of Illinois
Application August 4, 1939, Serial No. 288,299
14 Claims. (Cl. 202—170)

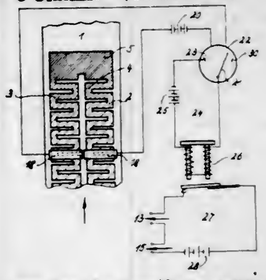


1. In a degreasing machine, a container for solvent, a cold spot around the upper portion of the container, inlet and outlet passages, each having cooling coils disposed generally in the plane of said cold spot and cooperating therewith to form a normal vapor level in the container, a chamber in the form of a rectangular box structure formed integral with the machine positioned in the upper part thereof and extending below said vapor level and provided with cooling means disposed adjacent said level, conveyor means for moving articles to be cleaned underneath said chamber, and spray means underlying said chamber for directing a spray of solvent fluid onto the articles as they pass underneath said chamber.

2,273,940
ADDITION PRODUCTS OF AMIDES OF LOW MOLECULAR CARBOXYLIC ACIDS AND PROCESS OF PRODUCING THE SAME
Hermann Dimroth, Heidelberg, Gerhard Graefinger, Ludwigshafen-on-the-Rhine, and Hans Haussmann, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 20, 1938, Serial No 236,010. In Germany November 1, 1937
15 Claims. (Cl. 260—555)

1. The process of producing addition products which comprises reacting an amide derived from a substance selected from the class consisting of ammonia and saturated lower aliphatic- and heterocyclic amines and a saturated aliphatic carboxylic acid containing at most 4 carbon atoms, the said amide being free from hydroxyl groups and double bonds between two carbon atoms with chlorsulfonic acid at a temperature of about 10° C.

2,273,941
PROCESS FOR THE PRODUCTION OF RESISTANCES
Walter Dorn, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany
Application July 26, 1938, Serial No. 221,387
In Germany August 11, 1937
8 Claims. (Cl. 201—69)

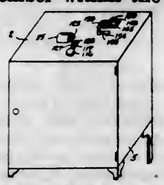


1. A process for the continuous production of resistances comprising coating a band of insulating material with metal to form continuously thereon two adjacent spaced uniform strips of metal of gradually increasing length, said strips being conductively connected at the beginning end of each, constantly measuring the resistance of said strips during the production thereof by passing an electric current through the whole length existing at any time on said band of both strips connected in series, and interrupting the production of said metal strips after a predetermined resistance value has been attained.

2,273,942
COIN WRAPPER CRIMPING MACHINE
Clement Lee Downey, Cincinnati, Ohio
Application July 22, 1940, Serial No. 346,706
26 Claims. (Cl. 93—5)

1. In a machine of the class described, the combination which comprises a guide into which are fed a succession of cylindrical open-ended wrappers each containing a stack of coins, means

for closing an end of each wrapper, and means including a member within the guide positioned



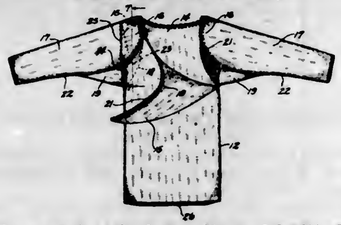
to contact an inserted wrapper, for actuating the wrapper end closing means.

2,273,943

INFANT'S VEST AND METHOD OF CONSTRUCTING THE SAME

Joseph S. Ehrman, William F. Williams, and Norman L. Breslauer, Milwaukee, Wis., assignors to Blue Star Knitting Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 29, 1940, Serial No. 332,296
4 Claims. (Cl. 2—111)



1. In a vest, a body portion of knitted fabric formed with sleeve recesses, knitted fabric sleeves having integral inner end flaps, all of the wales in said flaps extending in the same direction, said sleeves being secured to portions of the body adjacent said sleeve recesses and remote from the extremities of said sleeve flaps, shoulder straps extending upwardly from the front of said body portion and being overlapped by said sleeve flaps, said sleeve flaps extending forwardly of the horizontal medial line of the shoulders of the vest, and the shoulder straps extending rearwardly of the horizontal medial line of the shoulders, the respective shoulder straps, sleeve flaps and inner ends of the sleeves being secured together in the region of said sleeve recesses and outwardly from the inner margins of the straps and flaps, said straps, flaps and adjacent body portions cooperating to form a transversely elongatable neck opening for the garment.

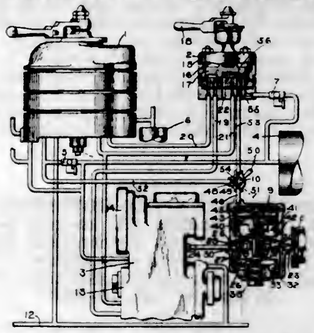
2,273,944

LOCOMOTIVE BRAKE EQUIPMENT

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 28, 1941, Serial No. 381,001
12 Claims. (Cl. 303—40)

1. A locomotive brake equipment comprising in combination, a brake pipe, a brake cylinder device, a valve device operative upon a reduction in brake pipe pressure to effect a supply of fluid under pressure to said brake cylinder device to effect an application of locomotive brakes and operative upon an increase in brake pipe pressure to effect a release of fluid under pressure from said brake cylinder device to effect a release of locomotive brakes, means arranged to control said supply of fluid under pressure to said brake cylinder device and operative to provide different rates of such supply, an independent brake valve device controlling said means and operative in one position to condition said means to provide a relatively slow rate of supply and in another



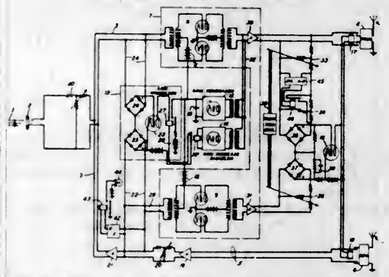
position a faster rate of supply, and a one-way flow communication connected around said means to provide for said release of fluid under pressure from said brake cylinder device independently of said means.

2,273,945

TWO-WAY SPEECH TRANSMISSION

Harold J. Fisher, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1941, Serial No. 388,781
7 Claims. (Cl. 178—44)



1. In a four-wire telephone terminal, a transmitting branch and a receiving branch, a variorepeater in the transmitting branch having a gain increaser circuit, a switching control circuit and switches operated thereby for respectively, when operated, enabling the output of the transmitting branch to transmit and disabling the input of the receiving branch, connections for causing speech waves in said transmitting branch, in absence of speech waves in said receiving branch, to effect operation of said switches, and connections for causing speech waves received over said receiving branch to produce a differential effect on both said gain increaser circuit and said switching control circuit.

2,273,946

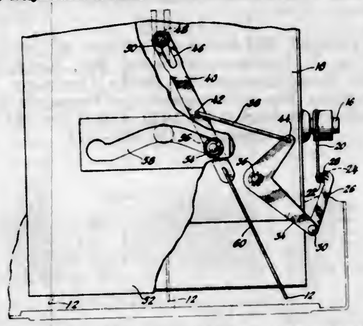
INDICATOR

Ludwig J. Fichter, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 27, 1939, Serial No. 286,806
4 Claims. (Cl. 116—124.1)

1. In a tuning indicator for automobile radio receivers, a housing, a fixed pivot, a lever having

an elongated slot therein mounted on the pivot whereby the lever may have both rotational and reciprocable motion with respect to the pivot in a plane adjacent a side of said housing, a pin rigid-



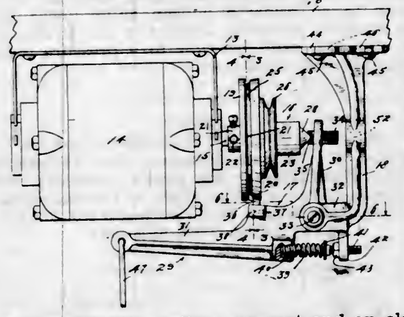
ly connected to the lever, cam means cooperating with the pin to reciprocate the lever as it is rotated, means for rotating said lever, said means comprising a rotatable shaft and a linkage connecting said shaft to said lever.

2,273,947

CLUTCH AND BRAKE MECHANISM

David Fischbein, Minneapolis, Minn.

Application October 5, 1939, Serial No. 298,065
1 Claim. (Cl. 192—17)



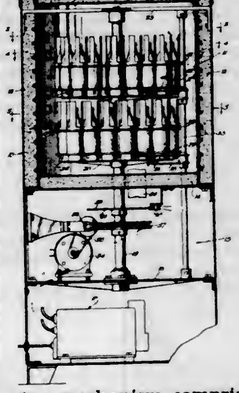
The combination with a support and an electric motor mounted on the under side thereof, of a clutch assembly removably mounted on the armature shaft of the motor as a self-contained unit, said assembly including cooperating driving and driven friction members journaled, the latter on the former, with freedom for relative compound axial and rotary movements, said members being self-aligning with each other, a pulley on the driven member, and a second self-contained unit for setting the clutch and for braking the same, said second unit comprising a depending bracket entirely separate and independent of the motor and its mounting, said bracket having at its lower end a pair of laterally spaced bearing ears, a bell-crank, means connecting the bell-crank at its elbow to and between the bearing ears for adjustment in a horizontal plane in a direction transverse the longitudinal axis of said motor armature shaft and for pivotal movement in a vertical plane with one of its arms in an upright position outwardly of said armature shaft and with its other arm horizontally disposed and extending transversely under the clutch assembly, an adjusting screw having threaded engagement with the upright arm of the bell-crank, axially aligned with the clutch assembly and loosely engaging a part on the driven member for setting the clutch when pressed into engagement with the driven member, a brake shoe on the horizontally disposed arm of the bell-crank and arranged to engage the periphery of the driven member as a braking surface, said bracket having a depending lug below its bearing ears, the horizontally disposed arm of the bell-crank having a shoulder in opposing relation to said lug and horizontally spaced therefrom, a coiled spring compressed between the lug and the shoulder and normally holding the bell-crank with the brake shoe set and the clutch released, movable means carried by said lug constituting a seat for one end of said spring, means to move said seat to adjust the tension of the spring, said bracket being adjustably connected to said support for movement toward and away from said motor in a direction parallel to the longitudinal axis of said motor armature shaft, and a connection to the horizontally disposed arm of the bell-crank for operating the bell-crank against the tension of the spring to release the brake and set the clutch.

2,273,948

DISPENSING APPARATUS

Oscar W. Forslund and William Heyn, Chicago, Ill., assignors to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application June 10, 1940, Serial No. 339,716
13 Claims. (Cl. 312—88)



1. Dispensing mechanism comprising a rotatable turntable provided with a plurality of discharge recesses, means for operating the turntable through a given arc, a plurality of holding means each for holding a plurality of articles on said table, said holding means each being movable with respect to said table and each being associated with one of said recesses, and means for moving one of said holding means during each operation of the turntable for moving an article in the respective holder into dispensing relation with respect to the associated recess.

2,273,949

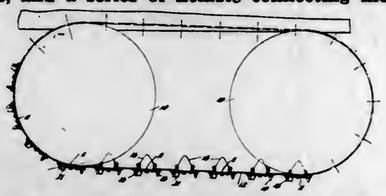
TRACTION DEVICE FOR MOTOR VEHICLES

Camille P. Galanot, Cleveland, Ohio, and James A. Watson, Jr., Silver Spring, Md.

Application November 19, 1938, Serial No. 241,446
21 Claims. (Cl. 305—10)

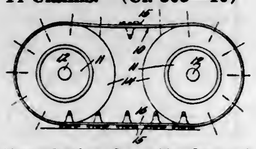
1. A traction device for attachment to a vehicle wheel of the dual tire type, said device com-

prising a belt composed of a series of spaced traction shoes each having a plate portion and a hollow central guide portion to fit between said tires, and a series of flexible connecting mem-



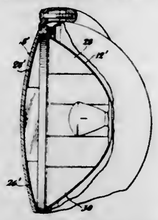
bers each mounting at least one shoe intermediate its ends, and means to house an adjustable length of said member within the guide portion thereof.

2,273,950
TRACTION DEVICE
Camille P. Galanot, Alliance, Ohio, and James A. Watson, Jr., Silver Spring, Md.
Application May 14, 1940, Serial No. 335,124
14 Claims. (Cl. 305—10)



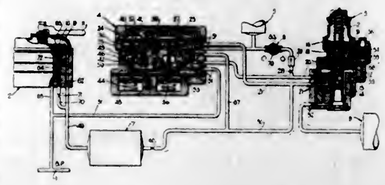
9. A traction device for attachment to vehicle wheels, said device comprising a series of spaced traction shoes, each comprising a plate provided with laterally spaced guide members for embracing the periphery of the wheel, a pair of parallel flexible members connecting adjacent shoes, and means associated with said guide members for adjusting the length of said respective connecting members.

2,273,951
COMBINED FOG AND DRIVING LIGHT
Robert M. Gibb, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 30, 1939, Serial No. 306,931
1 Claim. (Cl. 240—41.4)



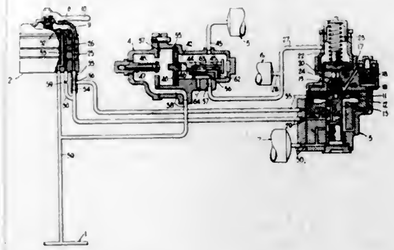
A combination fog and driving light comprising: a source of light, a lens and reflector structure surrounding said light source and divided into upper, lower and intermediate transversely-extending zones, said intermediate zone having means to condense the light intercepted thereby into the form of a long-range clear horizontal driving beam, said upper and lower zones having means to depress the light intercepted thereby into the form of a short-range road beam depressed with respect to the horizontal, and transparent color filter means associated solely with the upper and lower zones of the lens and reflector structure to transmit a yellow-tinted depressed beam for improved road visibility in foggy weather.

2,273,952
BRAKE RELEASE CONTROL MEANS
Andrew T. Gorman, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 31, 1939, Serial No. 292,855
34 Claims. (Cl. 303—57)



1. In a fluid pressure brake system, in combination, a brake pipe, a reservoir adapted to be charged with fluid under pressure to a normal degree, a brake valve device for controlling charging of said brake pipe from said reservoir and also controlling reductions of pressure in said brake pipe to effect applications of the brakes, and means operatively responsive to brake pipe pressure only when brake pipe pressure is reduced to or below a chosen value lower than the pressure normally carried in the brake pipe for charging said reservoir to a pressure higher than said normal degree.

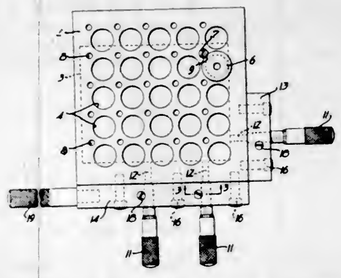
2,273,953
BRAKE SYSTEM CHARGING MEANS
Andrew T. Gorman, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1940, Serial No. 326,350
24 Claims. (Cl. 303—59)



1. In a fluid pressure brake system of the type comprising a brake pipe normally charged with fluid under pressure to a certain degree and operative upon a reduction in brake pipe pressure to effect an application of the brakes and upon an increase in brake pipe pressure to effect a release of the brakes, a brake valve device having at least three positions, one for establishing a communication through which a reduction in brake pipe pressure is effected and the other positions for establishing communications through which fluid under pressure is supplied to the brake pipe, fluid pressure responsive means

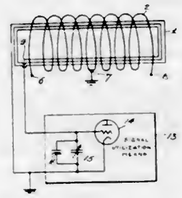
included in said system so constructed and arranged as to control the supply of fluid under pressure to the brake pipe in either of said other positions and adapted to be conditioned upon an application of the brakes to operate to initially supply fluid to the brake pipe at a pressure in excess of said certain degree during a subsequent release of the brakes in either of said other positions, the excess pressure being proportional to the degree of brake pipe reduction previously made, and means responsive to the reduction in brake pipe pressure for supplying the operating fluid under pressure to the fluid pressure responsive means.

2,273,954
DRILL JIG
John E. Grass, Atherton, Calif.
Application May 8, 1939, Serial No. 272,465
2 Claims. (Cl. 77—62)



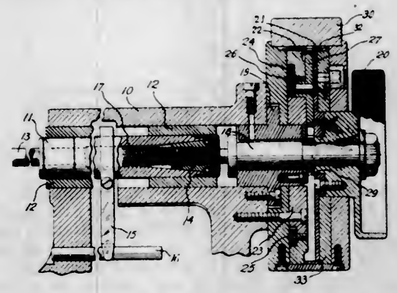
1. A drill jig comprising a plate for overlying the work to be drilled and having a drill guide aperture, and micrometer means on the plate and having a spindle bearing directly against the work for adjustably positioning the work relative to said aperture.

2,273,955
LOOP ANTENNA
William H. Grimditch, Rydal, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 5, 1939, Serial No. 277,550
8 Claims. (Cl. 250—33)



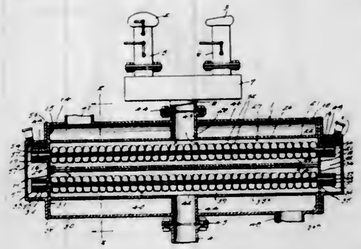
1. A shielded loop antenna structure, comprising a supporting framework formed of insulating material and having inner support portions and outer support portions constructed entirely of insulating material, a loop antenna mounted on said inner support portions and having one end connected to a ground, and a shield winding comprising spaced and mutually insulated turns of wire wound on said outer support portions about said loop antenna in spaced relation thereto and having the mid-point of said winding connected to ground.

2,273,956
MICROMETER INDICATOR FOR MEASURING MACHINES
Thomas W. Hall, Torrington, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application February 7, 1940, Serial No. 317,710
8 Claims. (Cl. 116—124)



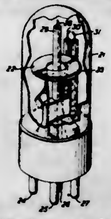
1. A micrometer indicator comprising in combination, a threaded spindle rotatably mounted in said micrometer and having a graduated dial rotatable therewith, said dial having a plurality of series of uniformly spaced graduations extending sequentially about its periphery, a second dial adjacent said first dial having a continuous series of graduations thereon, and means to rotate said second dial from a member rotatable with said spindle and first dial at a reduced speed relative thereto, said speed ratio being such that said first dial rotates as many times as there are threads per inch on said spindle during one rotation of said second dial.

2,273,957
TURBULENCE MANIFOLD
John W. Harrell, Cincinnati, Ohio
Application January 28, 1941, Serial No. 376,377
8 Claims. (Cl. 48—180)



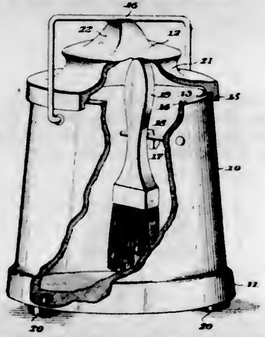
1. In a fuel and air turbulence manifold for use in connection with internal combustion engines a pair of superimposed horizontally disposed mixing chambers, means for establishing communication between one chamber and a source of fuel and air, means for establishing communication between the other chamber and the intake manifold of the engine, the said one chamber having spaced outlets in its bottom, the said other chamber having spaced intakes in its top registering with said outlets, for establishing communication between said chambers, and a suction operated bodily revoluble group of turbulence vanes disposed throughout each of said chambers.

2,273,958
GAS FILLED DISCHARGE DEVICE
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1940, Serial No. 331,270
3 Claims. (Cl. 250—27.5)



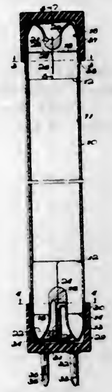
1. A gaseous discharge device, comprising a vessel, a gaseous filling therein, a large area cathode coated with electron emitting material and mounted in said vessel, an uncoated anode mounted therein and having a small area exposed to said large area cathode and spaced at a distance therefrom, and a pair of wire control electrodes having their extremities closely spaced with respect to each other and a relatively greater distance from said anode and cathode than from each other at least one of said control electrodes being coated with electron emissive material.

2,273,959
CONTAINER
Henry U. Holser, Boston, Mass.
Application April 24, 1940, Serial No. 331,275
1 Claim. (Cl. 206—15.1)



An air-tight brush and liquid container for use in storing shellac or other highly volatile quick-drying sticky covering material and in holding the same during the application thereof by such brush, comprising in combination a conical body portion formed of glass, ceramic material and the like, and having a base, side walls and an open top, a hollow liftable cover means disposed on the upper rim of said body portion, said cover means tapering upwardly and its top inner surface being spaced a substantial distance away from the plane of the top of said body portion and its lower edge being a flat co-operating surface for engagement with said rim, the co-operating surfaces of said cover and rim being ground to afford an air-tight closure, an annular lip projecting from the lower portion of the cover and embracing the rim of said container, said lip loosely engaging the walls of the container, and brush-supporting means disposed in the interior of the body portion near the upper end thereof, whereby a brush may be supported in the air-tight container with the upper end of the handle thereof projecting into the hollow cover while the brush head is immersed in the shellac or other liquid.

2,273,960
FLUORESCENT LAMP
Alfred Hopkin, Jr., Philadelphia, Pa.
Application April 10, 1941, Serial No. 387,940
3 Claims. (Cl. 176—122)

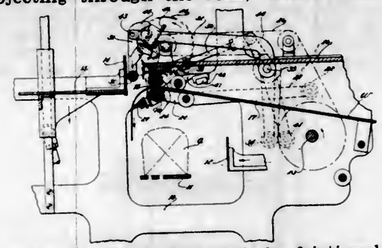


1. In a fluorescent lamp, a main tube which is gas tight and has its inner surface coated with fluorescent material and contains a gaseous atmosphere, said main tube being provided at one end with an internal tubular nipple, a thermionic electrode arranged within the main tube near one end thereof and mounted upon the tubular nipple, a second thermionic electrode mounted within the main tube near its opposite end, an insulating cap directly mounted upon that end of the main tube adjacent to the tubular nipple, pairs of terminals mounted upon the insulating cap, a pair of wires connected with the opposite terminals of the thermionic electrode carried by the tubular nipple and passing through the tubular nipple and connected with one pair of terminals carried by the insulating cap, and a pair of wires connected with the terminals of the other thermionic electrode and extending to the exterior of the main tube, the outer exposed portions of the last named pair of wires being insulated, the last named pair of wires extending longitudinally of the main tube and passing between the adjacent outer and inner faces of the main tube and insulating cap to be held thereby and leading to the other pair of terminals carried by the insulating cap, the last named pair of wires being free from attachment with the nipple.

2,273,961
PAPER FEED FOR WRAPPING MACHINES
William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application July 10, 1940, Serial No. 344,679
16 Claims. (Cl. 93—2)

1. A wrapping machine comprising a pair of web feed rolls, means for holding said rolls slightly separated one from another, means for rotating the rolls in opposite directions while so separated, and means for moving past the rolls

an article engaged with the leading end of a web projecting through the rolls, whereby the web



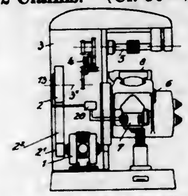
will be fed towards the article by frictional contact first with one roll and then with the other.

2,273,962
MACHINERY PACKING
Cecil R. Hubbard, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application June 7, 1940, Serial No. 339,225
7 Claims. (Cl. 288—3)



1. A device adapted to seal the space between a shaft and its housing; said device comprising a metal shell to be mounted fluid-tight in the housing and having an inwardly disposed marginal flange of dimensions such as to clear the shaft; a flexible sealing element having a sleeve to extend along a part of the shaft to be surrounded by the shell, said sleeve terminating at one end in a lip to be held in contact with the shaft and having at its opposite end an outwardly disposed flange backed against the flange of the shell and connected with the sleeve by a relatively thin, flexible, hinge-like, gooseneck portion of reverse curvature, one end of which merges with the sleeve and the other end with the flange; contractile resilient means surrounding and adapted to yieldably maintain the lip of the sealing element in its sealing relation with the shaft; and means for holding the sealing element and its contractile means in an assembled relation with the shell with the entire hinge-like, gooseneck element spaced from, so as to be free of restrictive contact with, the adjacent parts of the structure.

2,273,963
SWITCHING DEVICE, ESPECIALLY FOR MACHINE TOOLS
Viktor Jereczek, Weissensee, near Berlin, Germany
Application July 8, 1937, Serial No. 152,660
In Germany July 17, 1936
2 Claims. (Cl. 90—21)



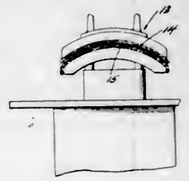
1. In a milling machine having a main motor for driving a milling cutter spindle and a second motor for driving a reciprocable machine table, in combination, a rotating member driven by said main motor, a gear drive for said milling cutter spindle, and receiving motion from said rotating member, and means on said rotating member for automatically closing the circuit of the second motor when the speed of said rotating member becomes a predetermined value.

2,273,964
CHIN STRAP
Raymond B. Kalbach, Philadelphia, Pa.
Application May 23, 1941, Serial No. 394,749
5 Claims. (Cl. 128—164)



1. A chin strap, comprising a body portion adapted to extend beneath and in front of one's chin, and composed of two longitudinally extending sections of universally stretchable fabric, separated by a one-way stretchable rib, the laterally opposite sides of said fabric sections being bound with one-way stretchable selvages, which extend freely beyond the limits of said body portion to provide tapes for securing above the head and to the rear of the neck, respectively.

2,273,965
METHOD OF MAKING COLLARS
Morris L. Kaplan, Hazleton, Pa., assignor, by mesne assignments, to Celanese Corporation of America
Application April 17, 1939, Serial No. 268,391
1 Claim. (Cl. 154—2)

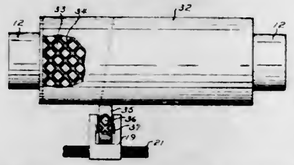


The method of producing semi-stiff collars which comprises interposing between the inner and outer fabric plies of the collar, an interliner having cellulose derivative threads arranged in spaced relation therein, moistening the plies and the interliner with a solvent for said threads, pressing one face of the collar with a substantially cold, smooth metal plate, pressing the other face of tthe collar with a substantially cold, smooth metal plate, said pressings being effected while the collar is supported on a soft surface thereby to unite the plies together, and subjecting the collar to a rolling operation between rolls at room temperature to facilitate removal of the solvent.

2,273,966
PROCESS FOR PREPARING 1-AMINO-5-NITRO-ANTHRAQUINONE
David X. Klein, Silverside Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 26, 1939, Serial No. 301,438
2 Claims. (Cl. 260—378)

1. The process for preparing 1-amino-5-nitroanthraquinone which comprises reacting 1,5-dinitroanthraquinone with dimethyl aniline in a phenolic solvent and in the presence of sulfuric acid, the dimethyl aniline being added slowly to prevent an undue liberation of heat, the reduction being stopped immediately upon disappearance of the 1,5-dinitroanthraquinone from the suspension.

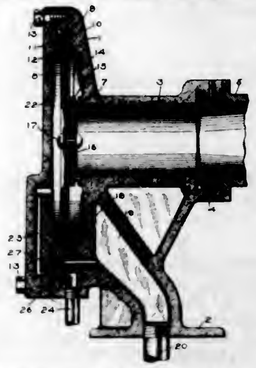
2,273,967
METHOD OF MAKING COATING DEPOSIT ROLLERS
Russ B. Leech, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application May 8, 1939, Serial No. 272,526
2 Claims. (Cl. 80—5.1)



1. In a method of accurately forming material retaining impressions on an elongated cylindrical coating deposit roller, the steps of continuously rotating said roller in peripheral contact under pressure with a narrow cylindrical tool rotatable on an axis parallel to said roller and having its surface formed with a plurality of uniformly spaced projections of the same size separated by crossed grooves extending at acute angles to the axis of said roller, said projections being shaped and sized to accurately form impressions of desired shape and size in predetermined design in said roller surface, and continuously advancing said tool longitudinally of said roller during said rotation at such a rate as to progressively and continuously extend said impressed design along said roller until a complete and continuous coating deposit area in said design comprising a plurality of pockets of the same size and shape spaced and separated by crossed line walls arranged at acute angles to the roller axis is formed on substantially the entire coating deposit surface of the roller.

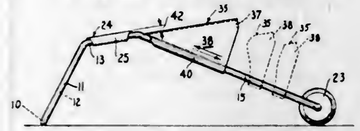
2,273,968
PNEUMATIC HORN
Norman F. Lewis, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 22, 1940, Serial No. 362,195
4 Claims. (Cl. 116—142)

1. A pneumatic horn device comprising a vibratory diaphragm structure having at one side a pressure chamber in constant communication with a source of fluid under pressure through a relatively restricted opening and controlling a communication of greater flow capacity than said opening between said chamber and atmosphere, said diaphragm structure being operative by the differential between the pressures in said pressure chamber and atmospheric pressure acting on the opposite side of said diaphragm structure to open and close said communication for varying said differential to effect vibration of said diaphragm structure, and means controlling the pressure on said opposite side of said dia-



phragm structure and selectively operative to either subject said opposite side to atmospheric pressure for rendering said diaphragm structure operative or to a different pressure for holding said diaphragm structure in the position for closing said communication.

2,273,969
SLICER
Robert W. Linenfelser, Monroe, Mich.
Application March 9, 1940, Serial No. 323,136
4 Claims. (Cl. 146—171)

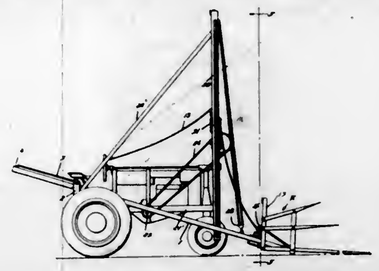


1. In combination, a frame of rectangular configuration, the frame having its ends bent laterally in the same direction whereby supporting units are formed therefor, a knife attached to the intermediate portion of the frame and extending thereacross, a table slidably mounted upon one end of the frame and movable towards and away from the knife and also toward and away from the plane of the knife, the top of the table being located in a plane parallel to the plane of the said knife.

2,273,970
COMBINATION HAY BUCK AND STACKER
Frank Lindgren, Lanyon, Iowa
Application November 19, 1940, Serial No. 366,309
1 Claim. (Cl. 214—141)

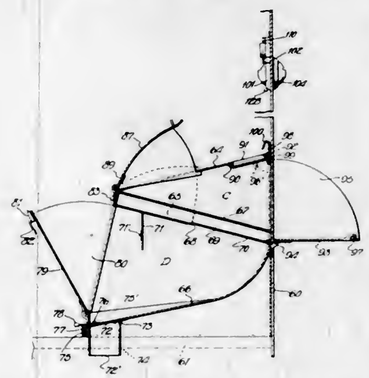
A loading and stacking attachment for a tractor comprising a pair of short uprights at the rear of the tractor, a pair of long uprights at the front of the tractor, a pair of beams extending alongside the tractor and pivotally connected at the rear portions of the short uprights, means for adjusting the extent the beams extend in front of the short uprights, a load carrying member connected with the front ends of the beams, the uprights of the front of the tractor being formed in sections detachably connected together, a drum carried by the lower section, means for rotating the drum, means, including

cables connected with the drum, for raising and lowering the beams by rotary movement of the drum, said means also including pulleys and a cross piece extending across the upper ends of the front uprights and carrying some of the



pulleys and having parts of the cables connected therewith, said cross piece being adapted to connect the upper ends of the lower sections of the uprights together when the upper sections have been removed.

2,273,971
APPARATUS FOR SAFE COLLECTION, DELIVERY, AND TRANSPORTATION OF VALUABLES
Leonard B. Love, New York, N. Y.
Application July 2, 1938, Serial No. 217,163
5 Claims. (Cl. 109—11)



1. In a vehicle body having armored walls and a floor, a safe against a wall of said body, a diagonal partition dividing said safe into upper and lower compartments, and sloping toward the wall of the vehicle, a door through the body wall affording access to the upper compartment, a door in the partition affording access to the lower compartment, a door in the upper wall of said safe within the body providing access to the upper compartment and shielding the operator from gun fire directed through the body wall door, a door within the vehicle to the lower compartment, and an observation window closing an opening in the top wall of the safe at a location providing a view of the upper compartment and its body wall door from within the body, the door of the upper compartment having an opening therein whereby gunfire may be directed from within the vehicle body toward the body wall door.

2,273,972
CONTROL DEVICE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 22, 1940, Serial No. 366,608
5 Claims. (Cl. 192—2)



1. A brake and propulsion control actuator mechanism for a vehicle, comprising, movable abutment means subject to pressure of fluid in a chamber, a spring for biasing said abutment means in opposition to said fluid pressure, means operable on movement of said abutment means in one direction for controlling the propulsion of the vehicle and on movement thereof in another direction for effecting application of the brakes, valve means controlling the supply and release of fluid under pressure to and from said chamber, and means subject to a variable control pressure for actuating said valve means and including a movable beam, and a fulcrum therefor positioned by said movable abutment.

2,273,973
ARTIFICIAL LEATHER
Robert C. Medl, Jr., Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1938, Serial No. 241,989
2 Claims. (Cl. 91—68)

1. An artificial leather which is resistant to spewing at high temperatures and retains its flexibility at low tempeartures which consists of a flexible base web and a coating of a pigmented composition consisting of about 40 parts of nitrocellulose, about 30 parts of butyl acetyl ricinoleate and about 30 parts of a mixture of castor oil and polymerized rapeseed oil.

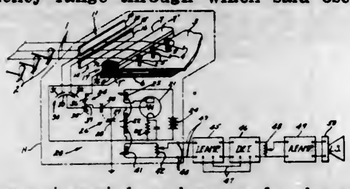
2,273,974
SULPHONATING PROCESS
Wilhelm Meiser, Munich, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application August 31, 1939, Serial No. 292,889. In Germany September 17, 1938
1 Claim. (Cl. 260—515)

Process of sulphonating aromatic carboxylic acid chlorides which comprises treating under sulphonating conditions aromatic carboxylic acid chlorides of the benzene series with sulphuric anhydride in quantities not exceeding 150% of the theoretically required quantity.

2,273,975
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Harding Township, Morris County, N. J., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J., a corporation of New Jersey
Application November 30, 1938, Serial No. 243,127
21 Claims. (Cl. 84—1.14)

1. In a musical instrument, a series of progressively tuned and selectively vibratable vibrators; a high-frequency electrical oscillator having a tuned circuit, said vibrators being physically related to and influencing said circuit to oscillatorily vary the frequency of said oscillator

by their vibrations; oscillation-transmitting means fed by said oscillator and having a sloping transmission-frequency characteristic within the frequency range through which said oscillator



frequency is varied; and means for demodulating oscillations from said transmitting means to create oscillations of the frequencies of said vibrations.

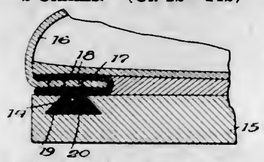
2,273,976

VULCANIZED RUBBER JOINT

Byron V. Mitchell, Jamaica, N. Y.

Application August 12, 1939, Serial No. 289,851

2 Claims. (Cl. 12—142)



1. The method of forming a water-tight joint between the leather sole and the upper of a shoe, which consists in embedding a strip of uncured rubber around the sole adjacent the edge thereof with an electrical conductor embedded in said rubber, securing a length of rubberized fabric to the upper adjacent the edge thereof, positioning said upper on the sole with said rubberized fabric interposed between the upper and uncured rubber, and passing an electric current through said electrical conductor to subject the rubber and fabric to a vulcanizing temperature.

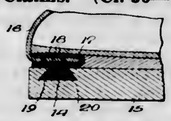
2,273,977

VULCANIZED RUBBER JOINT

Byron V. Mitchell, Jamaica, N. Y.

Application August 21, 1940, Serial No. 353,586

2 Claims. (Cl. 36—14)



1. An article such as a boot or shoe having a water proof vulcanized rubber joint between its sole and its upper, said joint being composed of rubberized fabric disposed at opposite sides of the edge of said upper and a length of rubber on the sole in contact with the fabric on the upper, said fabric and rubber being secured by vulcanization to the upper and sole respectively, and the contacting surfaces of the fabric and rubber being vulcanized to each other.

2,273,978

CONTROL CIRCUIT FOR GAS TRIODES

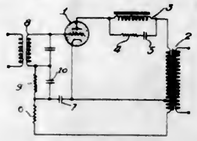
Andrew P. Montgomery, Narberth, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 31, 1939, Serial No. 265,328

In Great Britain August 26, 1938

13 Claims. (Cl. 250—27)

1. In a control circuit for gas triodes and the like, a gas triode having an input electrode and an output electrode, means for applying low frequency alternating current voltages of predetermined different phases and substantially fixed magnitudes to said electrodes, a load device connected to said output electrode, means for applying a bias voltage to said input electrode, means for applying a higher frequency signal to



said input electrode, the space path of said triode being rendered conducting in the presence of said signal for positive alterations only of the output electrode supply voltage, and means associated with said load device for maintaining a flow of current therein during the negative alterations of said output electrode supply voltage.

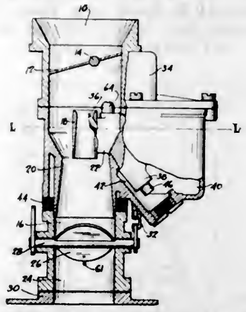
2,273,979

CARBURETOR

Frank C. Mock, South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 31, 1936, Serial No. 98,680

19 Claims. (Cl. 261—1)



1. In a carburetor, a section designed to be attached to a part of the engine, a second section separated from the first mentioned section by heat insulation and including a fuel reservoir and a boss projecting therein, a bore in said boss, a fuel nozzle mounted in the bore of said boss and spaced from the walls thereof to form a well, means for supplying fuel from the reservoir directly to said well, ports connecting the well to the nozzle adjacent the midsection of the latter, and venting means at the uppermost portion of said well of sufficiently large cross-section to permit the escape of fuel bubbles therethrough.

2,273,980

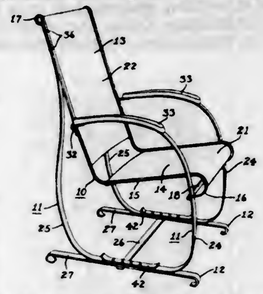
ARTICLE OF FURNITURE

Morris R. Moody, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio

Application December 15, 1938, Serial No. 245,902

6 Claims. (Cl. 155—54)

2. A seat of the character described comprising a seat structure including a seat and a back rigid therewith, a rigid supporting base, front and rear pairs of curved spring strips yieldingly supporting said seat structure for forward and rearward rocking movement, the front strips being of substantially C shape and connected to said base and having an upwardly extending portion secured fixedly to the front of said seat, the rear strips at their lower portions being arranged



to the rear of the front strips and bowed oppositely to the front strips and extending upwardly to the top of the back and rigidly connected thereto.

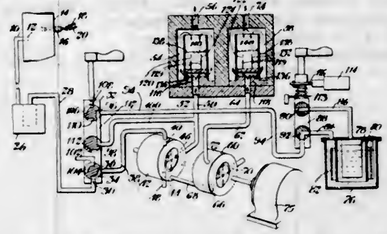
2,273,981

ANALYSIS OF GASES

John D. Morgan, South Orange, and Alan P. Sullivan, Elizabeth, N. J., assignors, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application November 10, 1938, Serial No. 239,794

7 Claims. (Cl. 23—232)



1. A gas analyzer for quantitatively measuring a combustion constituent in a gas comprising a vertically disposed combustion chamber, means for passing a continuous stream of gas to be analyzed at a uniform rate upwardly through the chamber, a metal cup mounted centrally within the chamber with imperforate base and side walls positioned in baffling relation to the stream of gas flowing therethrough, a Wheatstone bridge electric circuit embodying a catalyst wire leg and a non-catalyst wire leg of approximately balanced electrical conductivity mounted in closely spaced parallel relation within said cup, and a preheater mounted in the path of gas flowing downwardly through the open end of the cup toward said catalyst and non-catalyst legs.

4. In analyzing gas to determine the amount of oxygen therein up to 20% by volume, the steps comprising passing a continuous stream of the gas upwardly through a combustion chamber admixing hydrogen with the gas prior to its entrance to the chamber in amount sufficient to provide a hydrogen-oxygen volume ratio in the mixture less than 2:1, passing electric current through a metal catalyst wire within said chamber in amount sufficient to heat said wire to a temperature above the ignition temperature of said hydrogen-oxygen constituents, baffling the gas stream against direct flow contact with the catalyst wire, allowing some gas from the stream to reverse direction of flow to contact the catalyst solely by diffusion and convection, and preheating the gas prior to contact with the catalyst to a temperature in the range 650° F. to 1200° F.

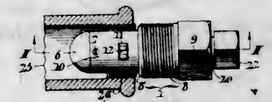
2,273,982

COMBINATION WRENCH AND DIE STARTER

Chester A. Ostas, Bedford, Ohio

Application July 27, 1940, Serial No. 347,907

1 Claim. (Cl. 81—72)



An internal wrench comprising a body member including a barrel section, with a removable closure at its entry end and a larger diameter externally screw-threaded portion, defining an abutment shoulder, with a manipulator head at the outer end of said portion; diametrically opposed arcual slots in the barrel section; complemental dog elements disposed lengthwise within the barrel section bore, and each of said elements being of sectoral cross-section with the curved face conformatory to that of the barrel section bore and having the chord face inclined at an acute angle relative to the longitudinal axis of the body member; a radially directed toothed lug medially projecting from the curved face of each dog element for projection through the associated arcual slot, said lug being of a circumferentially directed extent to provide substantial flanking portions of the curved face; an individual wedge embodying opposed cylindrical walls concentrically related to the barrel bore and intermediate inclined faces complemental to and shiftable with respect to the corresponding coactive faces of the dog elements, and the diameter across the dog lugs being in excess of that of the barrel to ensure their retention in the barrel when the wedge is released; and a screw-stud threaded in a reduced interior extension of the barrel bore for abutting coaction with the confronting end of the wedge, to force the dog elements radially outwards, and retractable for releasing said wedge and dog elements.

2,273,983

SYNTHETIC RUBBER COMPOSITION

Emil Ott, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 7, 1940, Serial No. 339,323

8 Claims. (Cl. 260—28)

1. A resilient synthetic rubber composition, resistant to swelling by gasoline and mineral oil, resulting from vulcanizing a mixture comprising polymerized chloroprene and a gasoline-soluble chlorinated paraffin wax.

2,273,984

SAFETY PLUG AND BYPASS

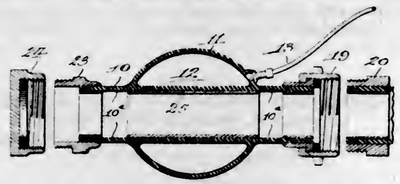
William D. Osborn, Los Angeles, Calif.

Application February 19, 1940, Serial No. 319,654

1 Claim. (Cl. 138—90)

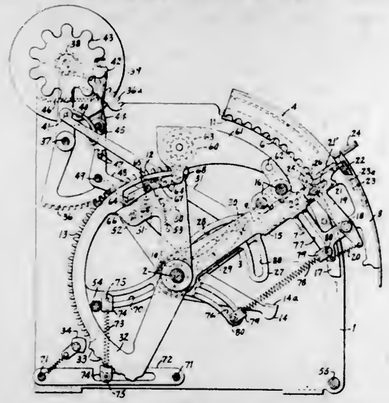
In a safety plug and by-pass, a flexible tube, a collapsible wall surrounding the central portion of said tube and connected thereto so as to provide a chamber, a rigid tube arranged within that portion of the flexible tube that is surrounded by said collapsible wall, means connected to and extending through said wall for delivering fluid under pressure into the chamber between said

tube and wall, and coupling members mounted



on the ends of said flexible tube beyond the ends of said rigid tube.

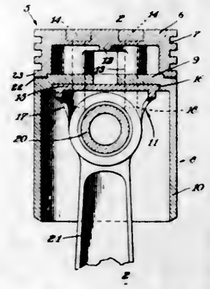
2,273,985
CASH REGISTER
William Leonard Paden, Dayton, Ohio
Application September 7, 1935, Serial No. 39,582
32 Claims. (Cl. 235—14)



1. In a register mechanism having an accumulator, an actuating means for the accumulator including an actuating lever movable through a constant range of movement at each operation, a differentially movable setting lever, operable in advance of the movement of the actuating lever and relative thereto through distances proportionate to the amount to be registered, and means for interlocking the setting and operating levers one to the other at the end of the relative movement of the setting lever for further movement in unison, and motion transmitting means actuated by unison movement of the levers through at least a predetermined portion of said full range movement of the actuating lever for actuating the accumulator to accumulate thereon the amount determined by the initial relative movement of the setting lever.

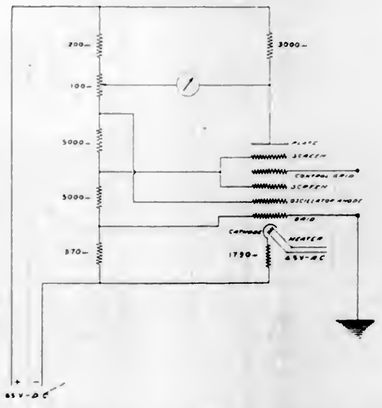
2,273,986
PISTON
David C. Pickett, Canton, Ill., assignor of one-half to C. C. Saunders, Canton, Ohio
Application March 25, 1940, Serial No. 325,894
2 Claims. (Cl. 309—14)

1. In a piston, a skirt section having a wall forming flange at the top end of a cylindrical skirt, the said end wall having a groove in the top margin and a central recess in the bottom face, the said end wall structure having bolt holes therethrough, a hollowed head section closed at the top end and having the lower edge of a peripheral wall thereof seated in the groove on the skirt section, a plurality of bolt receiving bosses extending axially through the cavity in the said head section, a wrist pin receiving section having a flat disk at the top thereof adapted to be fitted within the recess in the bottom face of the skirt section end wall, a pair of wrist pin bearings depending from the disk for engaging a wrist pin transversely within the skirt, the said



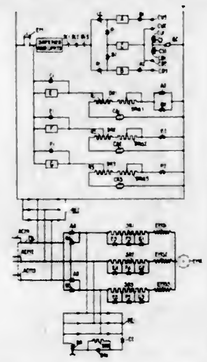
wrist pin section having threaded sockets therein, and a plurality of bolts extending through the bosses in the head section, the holes in the skirt section end wall and engaging threaded sockets in the wrist pin section for detachably fastening the said sections in end to end assembly.

2,273,987
DIRECT CURRENT AMPLIFIER
Orrin Weston Pineo, Milo, Maine, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 14, 1940, Serial No. 335,073
4 Claims. (Cl. 179—171)



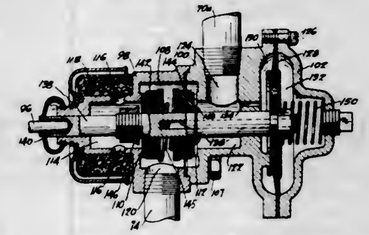
1. A vacuum tube amplifying device for measuring small direct current voltages comprising a direct current supply, a thermionic vacuum tube having two anodes of which one is a grid anode and two corresponding control grids all located in the same electron stream from a single cathode, resistance arms of a Wheatstone bridge circuit connected at their junction to the supply and at their opposite ends respectively to the anodes of the tube, means for impressing a suitable grid bias on the grid anode control grid, an input circuit for impressing a direct current signal voltage to be measured between the grid anode control grid and the other anode control grid and a current indicator across the resistance arms of the bridge.

2,273,988
TIMING OF ELECTROMAGNETIC SWITCHES
Anthony Pinto, New Rochelle, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application May 9, 1941, Serial No. 392,810
18 Claims. (Cl. 172—152)



18. A plurality of accelerating switches for controlling resistance in steps to control acceleration and retardation of an electric hoisting motor for an elevator car, a source of direct current, means for short-circuiting the coils of the switches while the car is at rest, a condenser for each accelerating switch connected in series with the short-circuited coil of such switch to said source so as to be charged to the voltage of the source while the car is at rest, a resistance for each condenser connected in series therewith, discharge resistance for each condenser adapted to be connected across the condenser to delay the discharge thereof and therefore the decrease in voltage across the condenser upon the removal of the short-circuit for the coil of the switch for which the condenser is provided, thereby delaying the building up of the voltage applied to such coil and thus delaying the operation of the switch, means operable in starting the car for breaking the short-circuit for the coil of one of said accelerating switches and for connecting the discharge resistance for the condenser for such switch across such condenser, means responsive to the operation of each accelerating switch for breaking the short-circuit for the coil of the next accelerating switch and for connecting the discharge resistance for the condenser for such switch across said condenser, means responsive to the operation of the last accelerating switch for short-circuiting said first named resistance in series with the condenser for such switch to cause the voltage across the condenser to build up quickly and thus the voltage applied to the coil of the switch quickly to decrease to below sustaining value to cause said switch to drop out without appreciable delay upon the breaking of the discharge circuit for such condenser, means responsive to the operation of each previously operated accelerating switch for short-circuiting only a portion of said first named resistance in series with the condenser for such switch to delay the building up of the voltage across the condenser and thus delay decreasing the voltage applied to the coil of the switch to below sustaining value to delay the dropping out of the switch upon the breaking of the discharge circuit for such condenser, means for breaking the discharge circuit for the condenser for said last accelerating switch to initiate slow down of the car, and means operable by each accelerating switch upon dropping out for breaking the discharge circuit for the condenser for the accelerating switch next previously operated during acceleration.

2,273,989
BRAKE
Earl R. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Original application April 4, 1938, Serial No. 199,787. Divided and this application June 30, 1939, Serial No. 282,089
17 Claims. (Cl. 188—152)



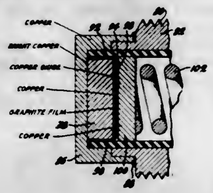
1. A valve formed with an air chamber, a vacuum chamber and a controlled pressure chamber, air and vacuum ports for connecting either of the first two chambers respectively with the third, valve means for opening and closing said ports, means responsive to pressure in the controlled chamber for opposing movement of one of said valve means, said last named means comprising a diaphragm connected to said valve means and subjected on one side to the pressure in the controlled chamber and on the other side to the pressure in one of the other chambers, a support for said valve, a lever pivoted on said support and connected to said valve means, and operator operated means connected to said lever at a point nearer its pivot than the connection to said valve means.

2,273,990
METHOD OF MAKING SPARK PLUGS
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1941, Serial No. 380,215
3 Claims. (Cl. 29—155.51)



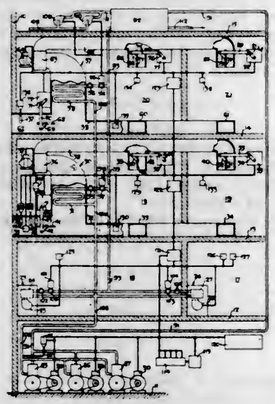
1. The method of making an insulator securing member for a spark plug which consists in providing a hexagonal bar having a longitudinally extending groove in each of its six exposed faces; removing a central portion of a diameter such that the bottoms of said grooves are cut away during such removing step from one end of said bar, to thereby provide a series of separate and independent attaching lugs spaced apart from one another; removing a second central portion continuous with and of lesser diameter than said first portion from said bar to thereby provide an inwardly extending annular ledge located beyond said attaching lugs; and severing the part thus formed from said bar beyond said inwardly extending ledge.

2,273,991
COPPER OXIDE DISK AND METHOD OF MAKING SAME
Donald W. Randolph and Robert H. Bigler, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 27, 1938, Serial No. 204,703
11 Claims. (Cl. 201—63)



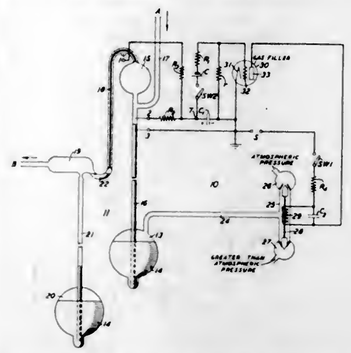
10. The method of preparing a copper oxidized copper object for commercial use, consisting in forming the object, processing the object to give to it a coating of an oxide of copper having a constancy of change in resistance with changes in temperature between substantially 100° and 212° F., placing the object in a fixture, shielding the edge of one face of the object, and then giving a good electrically conductive surface to the object by applying molten copper to the face of the object having the shielded edge.

2,273,992
AIR CONDITIONING SYSTEM
Joseph E. Robb, Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 5, 1937, Serial No. 129,201
18 Claims. (Cl. 62—6)



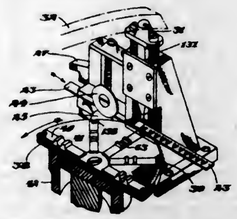
16. In a mechanical refrigerating system, the combination of, evaporator means, a plurality of compressors of different capacities for supplying refrigerant to the evaporator means and for withdrawing refrigerant therefrom, control means responsive to variations in a demand for increased compressor capacity, and switching means operated by said control means upon a progressive increase in said demand for selectively starting and stopping the various compressors singly or in combinations to increase the total compressor capacity in a number of steps exceeding the number of compressors.

2,273,993
GASEOUS DISCHARGE DEVICE CIRCUIT
George H. Rockwood, Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1940, Serial No. 343,735
3 Claims. (Cl. 230—83)



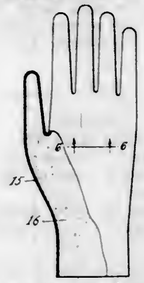
2. In combination, a tubular member, a conductive column adapted to be raised and lowered in said member, a source of atmospheric pressure and of greater than atmospheric pressure, means for applying such pressures alternately to said column whereby under greater than atmospheric pressure said column rises to a preassigned level in said tubular member and under atmospheric pressure falls to a preassigned lower level, and means for regulating the intervals for which the respective pressures are effective on said column, said means comprising a gaseous discharge device, an input circuit for said device including terminal members located in the path of movement of said column and adapted for conductive engagement therewith, and an output circuit for said device including said first-mentioned means.

2,273,994
MACHINE AND PROCESS FOR MAKING SLIDE FASTENER STRINGERS
Richmond Rochester, Long Island City, N. Y., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application November 14, 1938, Serial No. 240,276
14 Claims. (Cl. 18—1)



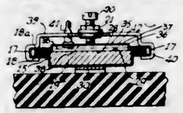
1. A machine for making fastener stringers of the class described comprising means for producing fastener member blanks of plastic material, means for preheating said blanks, forming dies for shaping said blanks to finished fastener members, means for transferring the blanks from the preheating means to said dies, and means for feeding stringer tape between said dies with a portion thereof projecting into the die cavity.

2,273,995
LINING OF RUBBER ARTICLES
John Rogerson and Fredrick William Warren, Manchester, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application November 25, 1939, Serial No. 306,081
In Great Britain December 13, 1938
8 Claims. (Cl. 18—58)



1. A method for the production of rubber articles, as for example rubber gloves, provided with a lining of finely divided fibres which comprises providing a former with a viscous film of a coagulant for rubber latex, applying finely divided fibre to the said film, and thereafter depositing thereon a layer of rubber of the desired thickness from aqueous dispersions of rubber.

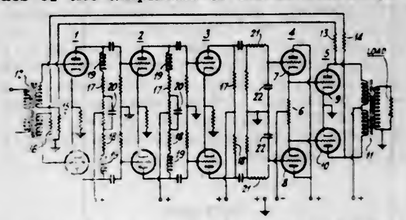
2,273,996
AUTONOMIC ELECTRICAL CURRENT CONVERTING DEVICE
Oscar A. Ross, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 30, 1939, Serial No. 264,991
17 Claims. (Cl. 200—113)



1. In an autonomic device for converting uniflow electric current into undulated flow current, a chambered housing including a flexible portion, a fixed conducting element and a mercury conducting element including engaging contact faces in said chamber for producing undulated current, means in said chamber extending exterior of said housing for selectively varying the area of contact between said contact faces, and means exterior of said housing engaging said flexible housing portion for adjustably moving the same to vary the pressure of contact between said contacting faces.

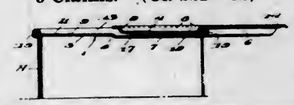
2,273,997
NEGATIVE FEEDBACK AMPLIFIER
Léon Rubin, Courbevoie, France, assignor to Société Industrielle des Procédés Loth., Neuilly-sur-Seine, France, a corporation of France
Application August 10, 1939, Serial No. 289,408
In the Netherlands September 23, 1938
4 Claims. (Cl. 179—171)

4. In combination, a pair of push-pull amplifier stages in cascade, a signal input circuit connected to input electrodes of the first stage, an output circuit connected to the output electrodes of the second stage, a resistive load connected in the common space current paths of the amplifiers of the first stage and between the cathodes thereof, means for connecting the input electrodes of the amplifiers of the second stage to



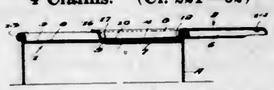
the respective cathode ends of said load, and a degenerative feedback path between the output and input circuits.

2,273,998
SLIDE CLOSURE FOR CONTAINERS
Herman W. Rueger, Lancaster, Pa., assignor to Liberty Can and Sign Company, a corporation of Pennsylvania
Application May 10, 1940, Serial No. 334,436
5 Claims. (Cl. 221—62)



5. A slide closure for containers comprising a substantially rectangular container top having upper and lower panels formed therein respectively at different elevations relative to the marginal plane of said top, said panels being separated by a medially disposed transversely extending rib formed in said top, and said upper panel sloping in a plane longitudinally upwardly from said rib and being provided with a dispensing aperture, in combination with a slide cover disposed for longitudinal sliding movement on said container top at a slight longitudinal angle to the plane of said upper panel, and a closure panel carried by said cover and disposed in a plane parallel to the plane of said upper panel so that when moved in a longitudinal direction into registry therewith it will make a tight wedging fit thereagainst.

2,273,999
SLIDE CLOSURE FOR CONTAINERS
Herman W. Rueger, Lancaster, Pa., assignor to Liberty Can and Sign Company, a corporation of Pennsylvania
Application February 13, 1941, Serial No. 378,814
4 Claims. (Cl. 221—62)



3. A slide closure for containers comprising, a stationary closure member formed with an apertured resiliently upwardly domed dispensing panel, and a relatively longitudinally aligned yieldable panel disposed at a level below that of said dispensing panel, the juncture of said panels being defined by a sharp transverse abutment, in combination with a resiliently downwardly domed closure panel disposed for longitudinal sliding movement on said stationary member in snug frictional engagement with said dispensing panel, the adjacent marginal surface portions of said respective dispensing and closure panels being disposed to engage each other in a plane par-

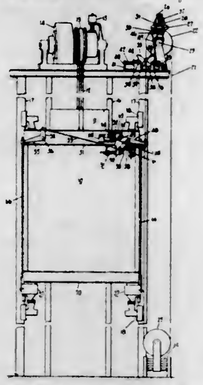
allel to the direction of movement of said slidable closure panel and the medial portions of said respective panels being resiliently urged towards positions above and below the plane of contact thereof, and means for limiting the movement of said closure panel comprising an upwardly projecting stop formed on said yieldable panel below the path of movement of said closure panel, and a stop projecting downwardly from the rear edge of said closure panel for movement between said upwardly projecting stop and said abutment.

2,274,000

ELEVATOR SAFETY APPARATUS

Eric Albert Sahlin, Westwood, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application October 16, 1941, Serial No. 415,223
9 Claims. (Cl. 187—90)



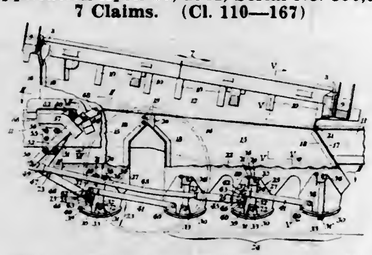
1. In an elevator system having a body movable in the elevator hatchway in which a safety brake is carried by the body adapted to be applied to the guide rails to stop the body during its descent and to be released by upward movement of said body, a lock for said brake, means operable upon operation of said brake for operating said lock, and means operable upon upward movement of said body with said lock in locking position to prevent the disengagement of said brake from the guide rails.

2,274,001

LOCOMOTIVE ASH PAN

Anders Gustaf Gunnar Salenius, Narberth, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 24, 1941, Serial No. 390,032
7 Claims. (Cl. 110—167)



1. The combination with a locomotive fire box of an ash pan including spaced hoppers, an outlet at the bottom of each hopper having a seating surface at opposite sides curved to an arc of a circle struck from a center vertically above and medially within the confines of said hopper sides, a correspondingly curved door adapted to seat against said outlet, hinged suspension elements for the door having aligned pivot axes planarly offset relative to the seating surface center of curvature aforesaid and also having hinge connections to said door, and means for closing or opening the several doors along curved paths of movement eccentric to the seating surface curvatures.

2,274,002

PAINT BRUSH

Auguste L. Saltzman, Orange, N. J., assignor to Rubberset Company, Newark, N. J., a corporation of New Jersey

Application March 21, 1940, Serial No. 325,123
5 Claims. (Cl. 15—193)



1. A paint brush which comprises a bristle body, a ferrule for retaining said bristle body, said ferrule having a plurality of circumferentially extending beads, and a plurality of ribs inter-connecting said beads. said ribs being disposed diagonally between said beads at a substantial acute angle to the length of the bristles in said bristle body, said beads and ribs presenting recesses on their inner sides, and cementing means binding the end of said bristle body and interlocking with the recesses on the inner sides of said beads and ribs.

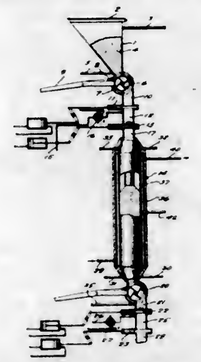
2,274,003

METHOD OF HYDROCARBON OIL CONVERSION

Bruce Sheppard, Bridgewater Township, Somerset County, N. J., assignor to Petroleum Conversion Corporation, Elizabeth, N. J., a corporation of Delaware

Application July 6, 1939, Serial No. 282,980
1 Claim. (Cl. 196—52)

In a continuous method of hydrocarbon oil conversion in which the conversion is brought about in the vapor phase in the presence of and by the action of a solid contact material or agent in divided form disposed in a reaction chamber maintained under superatmospheric pressure, the improvement which consists in establishing a downwardly moving column of said divided contact material in said reaction chamber by feeding successive measured quantities of said material into a material receiving chamber exterior of but communicating with said reaction chamber, following which event said material receiving chamber is closed against further supply of material and said latter chamber pressured with gas to substantially reaction chamber pressure, after which communication is established between said material receiving chamber and said reaction chamber, thereby allowing said measured quantity of said material to enter the reaction chamber, closing said communication last mentioned, depressuring said material receiving chamber and opening same to the feed of fresh



material, continuing the feed of material as aforesaid, passing hydrocarbon vapor to be converted upwardly through the material in said reaction chamber while maintaining the material and the vapor therein at the conversion temperature, removing the products of reaction therefrom, and withdrawing measured quantities of spent contact agent from said reaction chamber while maintaining the pressure therein.

2,274,004

TREATMENT OF CORN PROTEIN

Paul R. Shildneck, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware

No Drawing. Application February 16, 1939, Serial No. 256,773
14 Claims. (Cl. 260—112)

1. The method of treating corn gluten having not over 45 parts of starch to about 55 parts of protein which comprises subjecting the gluten to the action of acid in an aqueous mass of pH from 0 to 2 to solubilize all the starch content of the gluten without dissolving or destroying the protein character of the resulting gluten and to increase the solubility of the protein content in alkaline solutions, separating solid protein from the liquid vehicle containing the solubilized starch, and recovering the protein.

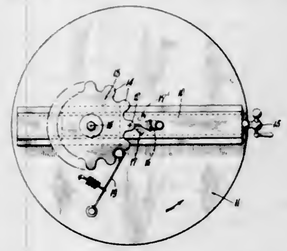
2,274,005

METHOD OF AND APPARATUS FOR SURFACE HARDENING METAL ARTICLES

Albert Edward Shorter, Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application January 13, 1939, Serial No. 250,739
In Great Britain January 14, 1938
6 Claims. (Cl. 148—19.9)

1. A method of surface hardening a plurality of curved peripheral details of a profiled surface of a metal article, all of said details lying substantially in the same plane and each of said details conforming substantially to a portion of a circle of revolution with the axes of said details located substantially equi-distantly from a common center disposed in said plane, such method comprising mounting the article with an axis of rotation extending through said common center, and also with a second axis of rotation extending through the axis of revolution of one of said details; positioning a source of high temperature heat in relatively fixed position and in operative relation with respect to the detail whose axis coincides with the second center of rotation; effecting rotation of said article about said second center so as to heat successive surface portions



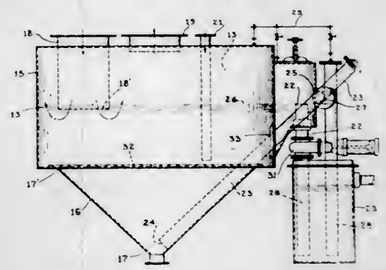
of said detail; effecting rotation of said article about said axis extending through said common center, so as to place a second detail in such a position that its axis will coincide with said second center of rotation; effecting rotation of said article about said second axis so as to heat successive surface portions of said second detail; and intermittently rotating said article about said common center and about said second center so as to treat successive details in a similar manner while maintaining said source of high temperature heat in relatively fixed position.

2,274,006

WASH-BOX SEAL FOR GAS GENERATING SETS

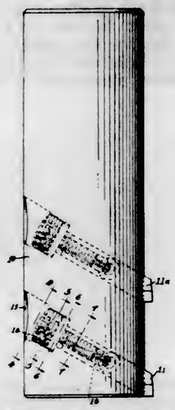
Charles J. Smith, Charleston, S. C.

Application March 7, 1939, Serial No. 260,439
6 Claims. (Cl. 48—87)



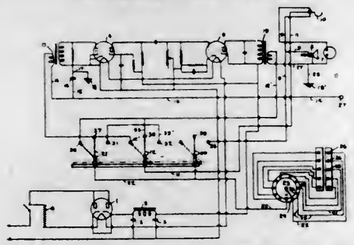
5. A gas generator set wash box comprising: a receptacle with an inclined bottom; a gas inlet to and a gas outlet from the receptacle; inlet means for wash-liquid to the wash box; a normal liquid level overflow outlet from the receptacle, and a tar discharge outlet pipe; said normal overflow outlet having a valve for opening and closing the same and said tar discharge pipe having its inlet communicate with the interior of the receptacle near the lower part of the inclined bottom and having its outlet from the receptacle at a level above the level of the outlet of the normal liquid level overflow outlet; and seal means for the liquid overflow outlets.

2,274,007
BORING TOOL
J. Hugo Smith, Detroit, Mich., assignor to Wesson Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1938, Serial No. 185,642
5 Claims. (Cl. 77—58)



1. In a boring tool, a cutter shaft having a cutter opening comprising a cutter recess and an adjoining threaded recess aligned therewith, a cutter slidably disposed in said cutter recess and having a threaded tap in its non-cutting end, an adjustment bolt having a flange arranged to bear on an annular shoulder in said threaded recess and a threaded shank for cooperating with said tap, and a retaining nut threaded into said threaded recess for holding said flange therein to eliminate any play in the adjustment of the cutter.

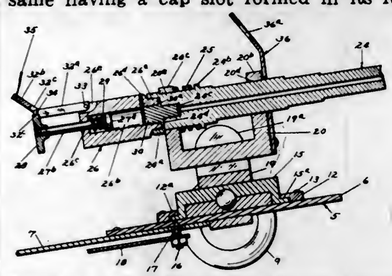
2,274,008
ELECTRICAL COMMUNICATION APPARATUS
Walter Spiegel, New York, N. Y.
Application December 26, 1939, Serial No. 310,906
11 Claims. (Cl. 179—1)



1. In an electric communication system of the character described, a master station having electronic amplifying means, a translating device employed alternately as speaker and microphone, said master station including switching means for allowing operation of the translating device with or without the amplifying means in the circuit.

2,274,009
TOY CANNON OR HOWITZER
Paul M. Stephens, Ashland, Mo.
Application September 13, 1940, Serial No. 356,624
1 Claim. (Cl. 42—55)

In a device of the kind described, a gun carriage, a calibrated ring-socket on the carriage, a flat ended cylindrical gun-block rotatably anchored within the socket, a gun tube mounted on the gun block for vertical pivotal movement, means for locking the gun-block in any rotated position, means for locking the gun tube at any angle of elevation, a tubular breech-piece removably mounted at the rear end of the gun tube, the same having a cap slot formed in its forward end, a spring-set striker-plunger reciprocably mounted through the breech-piece and adapted to impinge at its inner end a cap inserted in the cap-slot, a firing anvil in the gun tube in opposed relation to the striker-plunger and for co-operation therewith in firing the cap, and a trigger mechanism for setting the retracted striker-plunger and releasing same for firing the cap.



2,274,010
LOCK WASHER
Domnic V. Stellin, Detroit, Mich.
Application December 16, 1939, Serial No. 309,525
6 Claims. (Cl. 151—38)



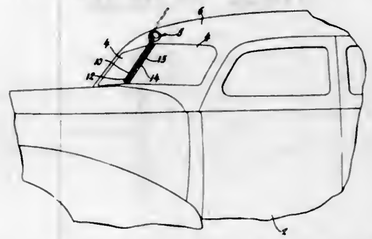
1. A lock washer comprising a body of resilient metal having a radial slit, the body being corrugated radially directly adjacent to said slit, the corrugations extending to both sides of the general plane of said body, said slit defining an edge of the corrugated portion positioned as a locking element at one side of said plane and at a shorter distance therefrom than the crests of the corrugations at said side.

2,274,011
ELECTRICAL CONDENSER
Herman Sträb, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application July 27, 1937, Serial No. 156,023
In Germany August 5, 1936
6 Claims. (Cl. 175—41)



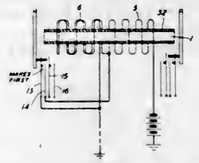
6. An electric wound condenser of the flat type comprising flat strip windings of metal and insulating material coiled upon themselves to provide successive layers of metal and insulating material, alternate layers of metal being exposed at opposite sides, respectively, of said condenser, and a layer of metal applied to the edges of said windings at each side of said condenser to electrically connect metal layers of like polarity, the inner bent edges of said windings being free from said applied metal layers.

2,274,012
ANTENNA
Clare Swayze and Bertram A. Schwarz, Kokomo, and Millard M. Henry, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1940, Serial No. 347,096
8 Claims. (Cl. 250—33)



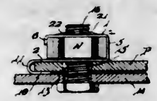
1. In antenna construction, a housing having an arcuate slot therein, rotatable means mounted within the housing, antenna means mounted on the rotatable means and protruding from the housing through the slot, a second rotatable means mounted within the housing coaxially with the first, the two having substantial areas in contact, spring means for maintaining the two in juxtaposition and manually operated means for driving the second rotatable means whereby the first rotatable means is driven therefrom by friction and the angular position of the antenna means with respect to the housing is changed.

2,274,013
TIME DELAY RELAY
Paul W. Swenson, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1940, Serial No. 342,878
2 Claims. (Cl. 175—320)



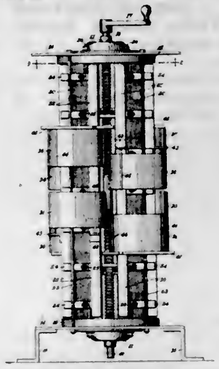
1. In combination, a core, an armature cooperating therewith, a plurality of contact springs operable by said armature, a short-circuited sleeve and an operating winding on said core, a resistance, a source of current, an operating circuit including said source of current, said operating winding and said resistance in series, whereby upon the closure of said circuit said winding produces a flow of flux in said core retarded in its build up by said sleeve to operate said armature only sufficiently to close one pair of said contact springs, and a shunt around said resistance closed by said one pair of springs whereby said winding produces a further flow of flux in said core, retarded in its build up by said sleeve, to fully operate said armature to operate the remaining contact springs.

2,274,014
NUT FASTENED INSTALLATION
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 20, 1941, Serial No. 379,887
18 Claims. (Cl. 151—15)



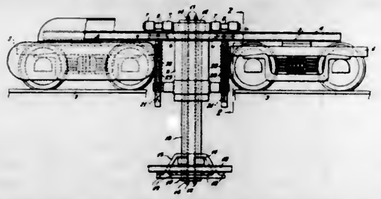
1. In a nut holder, a sheet metal body comprising a pair of arms extending in the same general direction and adapted to receive an apertured part therebetween, means on one of said arms for retaining a nut in assembled relation with the nut holder, the other arm being an attaching arm terminating short of said nut retaining arm for expediting application of the nut holder to attached relation with said part, and means on one of said arms receivable in the aperture in said part for maintaining the nut holder in attached relation thereon with the nut in position to receive a bolt for securing a member to said part.

2,274,015
VARIABLE REACTANCE TRANSFORMER
Joseph Tyrner, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1940, Serial No. 363,978
5 Claims. (Cl. 171—119)



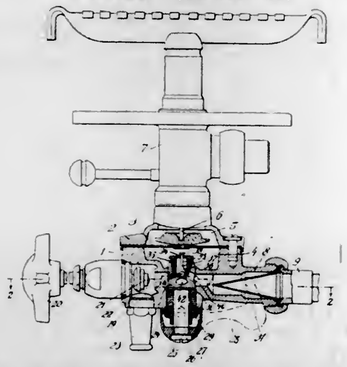
1. A transformer comprising a pair of magnet rings disposed in axial alignment with one another, an even number exceeding two of magnet columns extending parallel to one another between said magnet rings and disposed at intervals about their axis, fixed windings respectively embracing said magnet columns, movable windings respectively embracing said magnet columns, said fixed windings being staggered on said magnet columns to alternate with one another on either side of a median plane intermediate said two magnet rings, said movable windings being inversely staggered on said magnet columns to constitute two groups one of which is movable into and out of the spaces formed by said fixed windings on one side of said median plane and the other of which is movable into and out of the spaces formed by said fixed windings on the other side of said median plane, and means for simultaneously moving said two movable winding groups in opposite directions toward and away from said median plane.

2,274,016
OVERHEAD CAR HANGER
Philip Verplanck, Akron, Ohio
Application December 11, 1939, Serial No. 308,530
10 Claims. (Cl. 105—148)



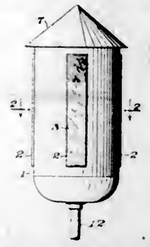
1. In combination, a pair of rail trucks, a main frame articulately connecting said trucks in spaced relation, transverse members on said main frame between the trucks, bearings supported by said transverse members, a king pin jacket having trunnions thereon, said trunnions being disposed in said bearings and supporting said jacket for lateral swinging movement, a king pin mounted in said jacket and having its lower end depending therefrom beneath said trucks, means on the depending end of said king pin for attachment to a car body, and resilient means carried by the truck and connected to said jacket for opposing lateral swinging movement of said jacket and king pin.

2,274,017
LACK-OF-LIQUID SAFETY DEVICE FOR LIQUID HEATERS
Friedrich Weber, Dessau, Anhalt, Germany, assignor to Junkers & Co. G. m. b. H., Dessau, Germany
Application November 18, 1939, Serial No. 305,148
In Germany December 22, 1938
8 Claims. (Cl. 236—25)



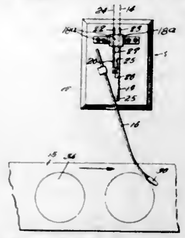
1. A lack-of-liquid safety device for water heaters comprising a fuel valve for said heater, an adjusting member for actuating said fuel valve, a housing surrounding said adjusting member and including high and low water-pressure chambers on opposite sides of said adjusting member, a water regulating valve operable to automatically control the flow of water through said device and arranged centrally of and operable by said adjusting member, a change-over device including passages formed in said housing for flow of water to and from the heater and a cock-plug having water-passage bores for controlling said passages and operable to convey fresh water to the heater or to the warm water discharge line of said heater, said cock-plug being arranged centrally of and below said adjusting member and in coaxial alinement with said fuel valve and fitted into a bore formed in said housing and connecting the fresh water supply-passage with the high pressure chamber below said adjusting member, the inner end of said cock-plug supporting said water regulating valve.

2,274,018
TRAFFIC SIGNAL
Walter A. Weed, Philadelphia, Pa.
Application May 23, 1941, Serial No. 394,772
2 Claims. (Cl. 116—63)



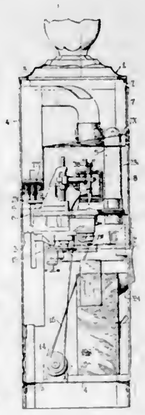
1. A traffic signal, comprising a casing having a window, a rotatable cylinder therein having a pair of alternately located colored transparent areas which taper in one direction and are adapted to pass said window, means to rotate said cylinder, a segmental shutter oscillatable about an axes eccentric to said cylinder and intermittently engageable by said cylinder to obscure the leading end portion of a given area until such portion is in registry with said window, and means to automatically return said shutter angularly to normal retracted position upon such leading portion reaching a predetermined position with respect to said window and said shutter being released by said cylinder.

2,274,019
SWITCH
George Weider and Calvin Wilson, Charleston, W. Va., assignors of thirty-three and one-third per cent to Gerald G. Smith, Charleston, W. Va.
Original application May 13, 1939, Serial No. 273,539. Divided and this application April 24, 1940, Serial No. 331,468
1 Claim. (Cl. 200—52)



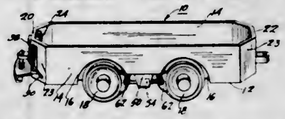
A switch of the character described comprising a base, a plurality of blocks of insulation mounted upon the base, a spring contact structure projecting outwardly from between a pair of said blocks, a second spring contact structure projecting outwardly from certain other of the blocks, said spring contact structures having opposed and normally engaging contacts, one of said spring contact structures being substantially longer than the other, an operator for the long contact structure, said operator comprising a block mounted on the base and having a recess extending downwardly therein from the top thereof, a second block disposed on the last-mentioned block and having a depending pin disposed in the recess, and an elongated feeler arm having one end portion disposed through the pin carried block and adapted to project well beyond the free end of the long spring contact structure, said feeler arm being adapted to be swung with its block by moving objects and to engage the long spring contact structure to flex the same and break its contacts with the contact of the other spring contact structure.

2,274,020
FRUIT JUICE MACHINE
William A. Weightman and Walter Hurleman, Philadelphia, Pa., assignors, by mesne assignments, to Sealdsweet Sales Association, Tampa, Fla., a corporation of Florida
Application August 10, 1937, Serial No. 158,380
33 Claims. (Cl. 146—3)



1. In a fruit juice extracting machine, a main frame, a pair of reamers mounted on vertical shafts on said frame, a pair of hands for cooperation with the respective reamers in extracting the juice, each of said hands mounted for rotation in a vertical plane above a reamer and connected to a horizontal shaft extending at right angles to a reamer shaft, vertical shafts, one connected to drive each of said horizontal shafts, said vertical shafts being geared together for rotation in reverse directions, and means for intermittently rotating said vertical shafts whereby to intermittently rotate the hands, first, from a vertical fruit receiving position where the fruit is received and gripped by one of the hands, then to a horizontal position where the fruit is gripped by both hands and cut in two while so gripped, then to a vertical extracting position directly over the respective reamers, then to a skin ejecting position, and finally to the starting or fruit receiving position, said hands and reamers being relatively approached and separated during the dwell in the rotary movement of the hands at the extracting position and means for causing such relative approach and separation.

2,274,021
BRAKE
John W. White, South Bend, Ind., and William Stelzer, Detroit, Mich., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 3, 1938, Serial No. 211,554
6 Claims. (Cl. 188—153)

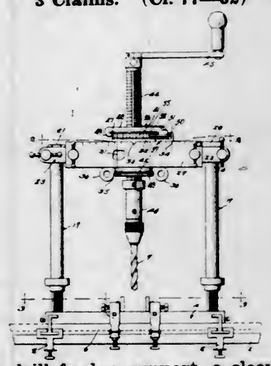


1. In a braking system for a vehicle having wheels, a master cylinder at one end of the vehicle, wheel brakes having cylinders responding to the master cylinder, manually operable means for actuating the master cylinder comprising a spring lever extending crosswise of the end of the vehicle, and means mounted on the end of the vehicle having notched portions and a guide member to retain the manually operable means under tension at a predetermined position to maintain pressure on the master cylinder to hold the brakes applied.

2,274,022
LUBRICANT AND METHOD OF PREPARING SAME
Norman D. Williams, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 18, 1939, Serial No. 305,165
24 Claims. (Cl. 252—48)

1. The method of preparing a lubricant which comprises mixing with fatty body a small amount of material selected from the group consisting of phosphorus and phosphorus compound capable of reacting with said fatty body, adding sulfur halide to the mixture while maintaining the temperature below that at which appreciable polymerization occurs and subsequently heating the mixture to reaction temperature for a sufficient period of time to complete the reaction between the reagents.

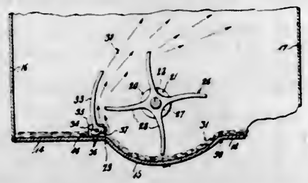
2,274,023
DRILL
Joseph Wolny, Denver, Colo.
Application July 16, 1940, Serial No. 345,790
3 Claims. (Cl. 77—32)



1. In a drill feed, a support, a sleeve mounted to rotate in the support, a drill shaft threaded into the sleeve, means for rotating the drill shaft

directly, an arm mounted to swing on the drill shaft, a releasable connection between the arm and the drill shaft, a pawl fulcrumed intermediate its ends on the arm, one end of the pawl being engageable with the sleeve to cause the sleeve to rotate directly, with the drill shaft, a dog pivoted to the opposite end of the pawl, the pivotally connected ends of the pawl and the dog forming a knuckle joint, means for maintaining the dog yieldably engaged with the sleeve, and a fixed cam wherewith the knuckle joint engages, as the arm travels directly, to move the knuckle joint toward the shaft, thereby to disengage the pawl from the sleeve and to impart to the dog a reverse component, neutralizing the direct component resulting from the travel of the knuckle joint along the cam, the sleeve thereby being held substantially fixed, whereby the drill shaft will feed therethrough, when the drill shaft is rotated directly.

2,274,024
APPARATUS FOR WASHING DISHES, SILVERWARE, AND THE LIKE
Donald E. Yochem, Columbus, Ohio, assignor to L. S. D., Inc., Dayton, Ohio, a corporation of Ohio
Application November 2, 1939, Serial No. 302,595
8 Claims. (Cl. 299—63)

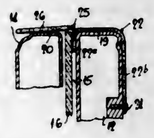


7. A dish and silverware washing, rinsing, and drying machine comprising a housing, a shallow trough in the bottom thereof, a bladed impeller journaled in the housing above said trough, the blades being of proper length to dip into said trough, means for rotating said shaft at a sufficiently high rate of speed to cause the impeller blades to expel fluid in a finely atomized condition from one side of the trough, said expelled fluid being in the form of a stream which is substantially equal in width to the length of the trough and is substantially fan-shaped in vertical section, a member having dual deflecting surfaces rockable about an axis arranged outside of the trough and in parallelism with the discharge side of the latter for changing the radial direction of discharge of said stream, said dual deflecting surfaces being provided by a transversely curved blade and an enlarged inner edge portion of said blade, and means for rocking said member so that its dual deflecting surfaces will collectively bring about repeated discharge of the expelled fluid into all portions of the housing interior.

2,274,025
LUBRICANT
John S. Yule, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 28, 1940, Serial No. 372,185
22 Claims. (Cl. 252—48)

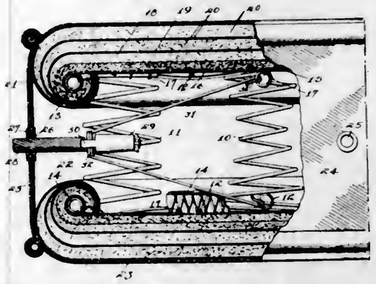
1. A lubricant comprising mineral lubricating oil and between 0.1 and 5% by volume of sulfurized and phosphorized fatty material.

2,274,026
ARM PROTECTOR FOR AUTOMOBILE DOORS
Charles S. Allen, Sarasota, Fla.
Application November 12, 1940, Serial No. 365,309
7 Claims. (Cl. 155—198)



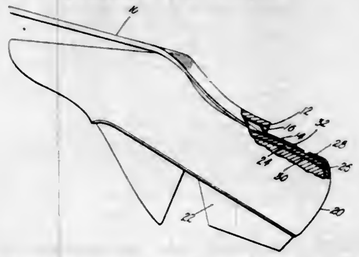
1. In combination with a pair of vertically disposed inner and outer window frames spaced apart from each other and having a window pane mounted for vertical sliding movement therebetween, said frames having the lower edges of the window opening thereof disposed substantially at the same level, an arm rest secured to the vertical face of said inner frame and having its upper portion extending laterally toward said pane and over the upper edge of the frame, and a second arm rest pivotally secured to said laterally extending portion for covering the upper portion of the other frame, said first arm rest being of sheet metal covered with fibrous material, and being bent to conform to the contour of the face and lower edge of the opening of the inner frame.

2,274,027
MATTRESS
James E. Allen, Ames, Iowa
Application January 2, 1940, Serial No. 311,992
2 Claims. (Cl. 5—351)



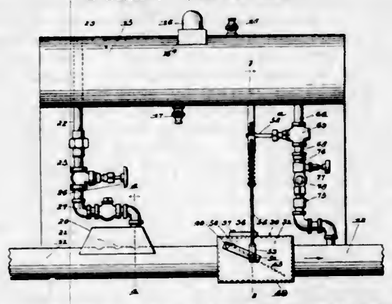
1. A mattress, comprising a coil spring support having top and bottom faces, each bound by a frame member, a foundation layer of heavy and rough fibrous material supported on the top and bottom of said spring support and firmly secured thereto, having its edges formed over and around said frame members, a series of alternate and superimposed layers of thin sheets of woven material and comparatively thin layers of soft untufted felt stretched over each foundation layer, each inner layer of soft fibrous felt being in direct contact with the protruding fibers of said foundation layer to prevent slippage of the layer of soft fibrous felt relative to the foundation layer, the felt and sheets being stretched longitudinally and transversely over said foundation layer with their edges formed over and around the rolled edges of said foundation layer and firmly secured thereto, the sheets of muslin over the thin felt layers serving to prevent bunching and matting of the soft fibrous material without the usual ties and tufts.

2,274,028
METHOD OF MAKING SHOES
William M. Altenburg, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 24, 1938, Serial No. 209,754
6 Claims. (Cl. 12—142)



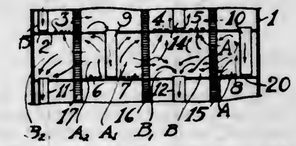
1. That improvement in methods of making shoes which comprises providing a short outsole of normal thickness which will not cover the entire heel portion of a shoe bottom, cementing to the inner surface of said outsole a tab which is substantially thinner than the outsole and projects beyond the rear edge thereof to overlap the heel portion of the shoe bottom, said tab having a transverse slot therein coinciding with the rear edge of the outsole, positioning said outsole properly on the shoe bottom, thereby locating said tab in a predetermined position on the heel portion of the shoe bottom, attaching the outsole to the shoe while holding the tab in said predetermined position, and securing to the shoe a heel which conceals said tab at said heel portion and has a lip which extends through the slot in the tab and overlies the portion of the tab secured to the inner surface of the outsole.

2,274,029
FLOW RESPONSIVE DEVICE
Roy Archer, Winfield, Kans.
Application November 7, 1938, Serial No. 239,415
1 Claim. (Cl. 73—228)



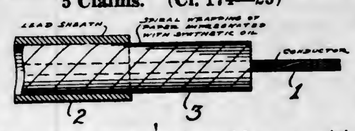
In a device of the character described, a horizontally disposed flow line through which gas and oil under pressure are adapted to flow, a flow responsive device including a casing rectangular in cross section and forming part of the line, a shaft rotatably mounted in the upper portion of said casing and adjacent that end of the casing when the liquid and gas enter the same, a plate secured at one end to the shaft, the opposite or free end being located adjacent the bottom and the other end of the casing, said plate having a plurality of passages adjacent the shaft to permit gas in the line to pass through the casing without disturbing the idle or approximately idle position of the plate, the free end of the plate adapted to be raised by oil flowing through the line for rocking the shaft through a predetermined number of degrees and in accordance with the volume of liquid flowing through said line.

2,274,030
PROCESS IMPROVEMENT FOR SOLVENT EXTRACTING OPERATIONS
George T. Atkins, Jr., Highlands, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 29, 1938, Serial No. 221,938
4 Claims. (Cl. 196—13)



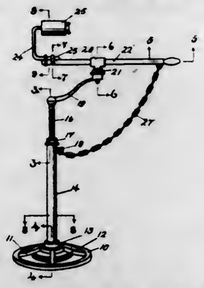
4. A process for the segregation of petroleum oils into their relatively more aromatic and into their relatively more paraffinic constituents, comprising passing the oil to be treated upwardly through a tower containing a series of distributing plates and countercurrently intimately contacting the said oil with a selective solvent for aromatic hydrocarbons under conditions adapted to produce agitation and coalescent zones between said plates alternately, said agitation zones being produced by causing the upflowing oil stream to be finely dispersed and intimately contacted with at least one downflowing stream of said aromatic hydrocarbon solvent by causing the paths of the two streams to cross, passing the dispersed resultant mixture laterally through at least one coalescing zone, said zone containing relatively large surfaces known to induce coalescence, separating the extract phase from the raffinate phase, passing the raffinate phase upwardly to the next succeeding agitation contact zone and passing the extract phase downwardly to the next succeeding agitation contact zone, continuing the steps until the extraction has reached substantial equilibrium and withdrawing a final raffinate and a final extract from the tower.

2,274,031
INSULATED ELECTRICAL CONDUCTOR
Lewis A. Bannon, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 25, 1938, Serial No. 192,480
5 Claims. (Cl. 174—25)



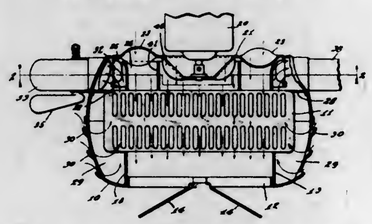
1. An insulated electric cable comprising in combination a metallic conductor, a sheath and an insulator member surrounding said conductor within said sheath consisting of a solid insulating member and a submerging insulating oily olefinic polymer produced by polymerization of an isobutylene dimer characaterized by fluidity, by a low pour point below about 0° F., by freedom from wax, by a high penetrating and spreading power, by a molecular weight between the limits of approximately 300 and 5,000 and a viscosity index below approximately 0.

2,274,032
REPAIRING TOOL
Floyd Earl Blair, Bic, Quebec, Canada
Application April 15, 1939, Serial No. 268,048
1 Claim. (Cl. 153—32)



A repair tool comprising a hollow standard having a base, a threaded shaft slidably mounted in said standard, a locking member internally threaded and supported at the top of said standard and engaging with said shaft, an offset arm secured to the top of said shaft, a swivel block secured to said offset arm, a sleeve mounted on said swivel block, a lever slidably engaging with said sleeve and having a U-shaped end, and a block secured to the U-shaped end of said lever.

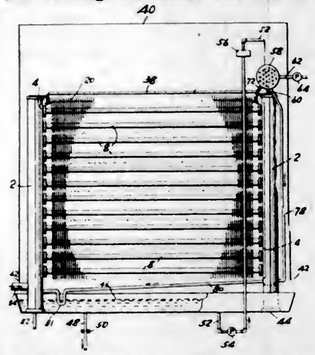
2,274,033
AUTOMOBILE HEATER
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Spark Industries, Inc., Columbus, Ind., a corporation of Indiana
Application March 12, 1937, Serial No. 130,441
13 Claims. (Cl. 257—137)



1. In an automobile-body heater of the circulating fluid type, a core, a casing for said core, said casing having main and auxiliary air discharge openings, a rotatable air impeller comprising a circular sheet-metal stamping having a generally axially extending annular flange near its periphery, said impeller being provided within said flange with a set of helically disposed fan blades for forcing air outwardly through said main air discharge opening, said flange having an annular series of blower blades for forcing air outwardly through said auxiliary openings, and means for rotating said impeller.

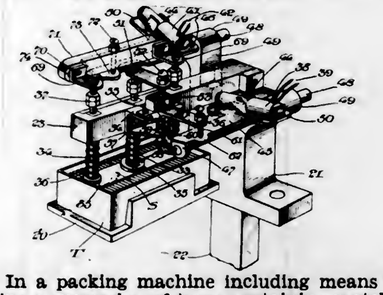
2,274,034
EVAPORATIVE HEAT TRANSFER APPARATUS
Frank S. Broadhurst, Watertown, Mass.
Application September 26, 1936, Serial No. 102,666
1 Claim. (Cl. 257—35)

The combination with an evaporative condenser, of means for removing air and non-condensable vapor from said condenser, a second condenser receiving said air and non-condensable vapor, and means for conveying cooling water in heat exchange relation with said second condenser for cooling the same and for thereafter



delivering the same onto the surfaces of the evaporative condenser.

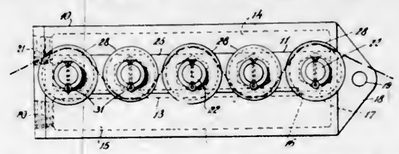
2,274,035
MACHINE FOR PACKING MATCHES
Hugo Brown, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application January 3, 1940, Serial No. 312,250
3 Claims. (Cl. 177—311)



1. In a packing machine including means for feeding a succession of trays containing matches, means for automatically indicating the presence of overfilled and underfilled trays, comprising a support overhanging the path of the trays, a plurality of detectors arranged in spaced relation on, and all carried by, said support, one of said detectors constituting an overfill detector and the others constituting underfill detectors, means for resiliently depressing said detectors relatively to the support and maintaining the lower end of said overfill detector normally at a level above that of the lower ends of said underfill detectors, means for reciprocating said support and detectors a predetermined distance in timed relation to the feeding means to position the support at a predetermined level above the tray when the support is in its lowered position, whereby the overfill detector moves relative to the support when in contact with the raised contents of an overfilled tray, and whereby said underfill detectors may move relative to the support when in contact with the contents of an underfilled tray, while the overfill detector remains out of contact with the contents of an underfilled tray, an electric switch, means including a movable member under the influence of said overfill detector for closing said switch when said overfill detector abuts the contents of an overfilled tray, a floating coupling element pivotally connecting said underfill detectors and

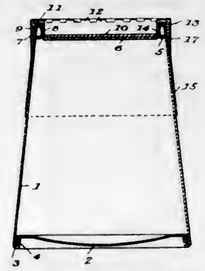
having a presser member between its ends, a second electric switch, and means including a movable member with which said presser member co-acts to close said second switch when said underfill detectors abut the substantially level contents of an underfilled tray, and also to close said second switch by the inclination of said coupling element when the downward movement of either of said underfill detectors is restrained by the opposing raised portion of the uneven contents of an underfilled tray while the other underfill detector descends to a lower level within the tray.

2,274,036
WIRE STRAIGHTENING DEVICE
William H. Buck, Buffalo, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass., a corporation of the United States
Application May 22, 1940, Serial No. 336,499
8 Claims. (Cl. 140—148)



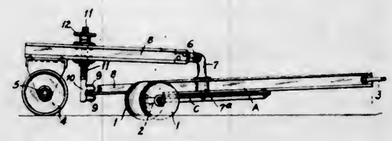
1. A wire straightening or killing device comprising a base, a plurality of spindles carried by the base, rollers on the spindles over which wire is passed to effect the straightening or killing thereof, said spindles and base being hollow, and means to introduce a cooling fluid into the base and spindles.

2,274,037
PAPER CONTAINER AND PROTECTOR
Herman Carew, Easton, Pa., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware
Application September 17, 1938, Serial No. 230,489
4 Claims. (Cl. 229—5.5)



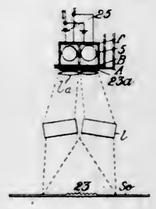
1. In combination with a container having a yieldable tapered side wall and a mouth portion formed with an inwardly rolled yieldable lip, a closure cap having a depressed portion and an outer peripheral depending flange formed on its outer surface with a shoulder, the depending portion and flange forming a channel to receive the mouth portion of the container, the depressed portion adapted to be received in the mouth of the container with the wall of the depressed portion frictionally engaging the lip of the mouth portion while the lower edge portion of the flange engages the tapered wall of the container, and a readily flexible tapered protecting member adapted to enclose the depending flange of the closure cap below the shoulder thereof and a portion of the side wall of the container adjacent thereto.

2,274,038
DISK PLOW
William C. Carter, Fulton, Ky.
Application December 4, 1939, Serial No. 307,365
11 Claims. (Cl. 55—12)



1. An agricultural machine, comprising a plurality of cutting disks, and a roller combined with said disks in such a way that when the machine is traveling over hard ground the weight of the roller is imposed on the disks in a manner to force the disks into the ground, and when the machine is traveling over soft or mellow ground the roller prevents said disks from cutting too deeply into the ground, said roller and disks also being combined in such a way that the roller can swing and thus properly track or follow the disks when the machine makes a turn while in use.

2,274,039
TELEVISION
Aloysius J. Cawley, Pittston, Pa.
Application March 3, 1936, Serial No. 66,913
6 Claims. (Cl. 178—7.1)

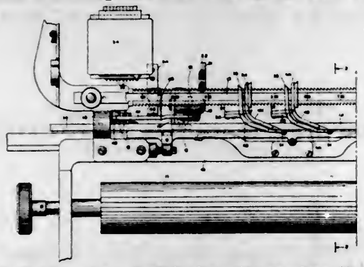


1. A scanning apparatus consisting of a band bearing light permeable areas, means for supporting and moving said band, means for bringing the two arms of said endless band into apposition, all of said light permeable areas on said band being identical, except for a predetermined spacing variation, the intersections causing a light intersecting point to traverse an image area, the said spacing variation producing the desired precession of the scanning line.

2,274,040
TABULATOR
William L. Collier, Chicago, Ill., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 19, 1941, Serial No. 379,601
7 Claims. (Cl. 197—177)

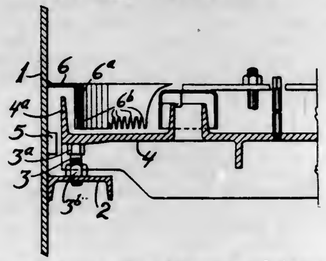
1. In a machine of the class described, a tabulator key, a tabulator slide movable by said key to an operative position, a movable tabulator rack, a projectable stop on said rack corresponding to said slide, a stop operating member movable by said key into an operative position, and means on the stop to be engaged by said

member during the movement of the rack to



project the stop, just before it reaches the slide position, into position to engage the slide.

2,274,041
FRACTIONATING PLATE CONSTRUCTION
George B. Cook, Summit, and Joseph V. Marancik, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 10, 1940, Serial No. 352,066
3 Claims. (Cl. 261—114)



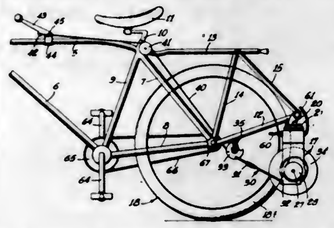
1. In a fractionating tower, a plate construction comprising a bell cap plate of a diameter slightly less than that of the tower, having a peripheral curb, an annular support for said plate connected to the tower, including means for adjustably levelling and connecting the plate in the fractionating tower, stop members limiting lateral movement of the plate, and a sealing member, between said curb and the tower wall, having a circumferential slotted area normally disposed below the working level of liquid on the plate.

2,274,042
TOOTH AND LIKE BRUSHES
Eric Leopold Hugo Cosby, London, England
Application November 18, 1939, Serial No. 305,184
In Great Britain November 21, 1938
3 Claims. (Cl. 15—167)



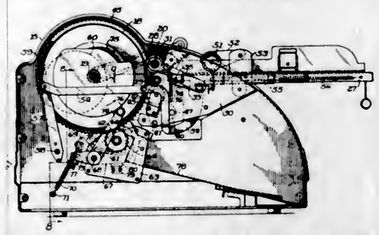
1. A tooth brush comprising a stock having a raised flat portion adjacent to its end, a relatively depressed portion, and a central rib raised from said depressed portion to a level below said raised portion and extending longitudinally of the stock from said raised portion toward the handle, and tufts of bristles inserted in said raised and depressed portions and ribs, said tufts of bristles being all of the same length and presenting at their outer ends a brushing surface which is undulated longitudinally and transversely of the brush.

2,274,043
MOTORIZED BICYCLE
Leslie S. Cushman, Riverside, Calif.
Application July 25, 1940, Serial No. 347,449
5 Claims. (Cl. 180—33)



1. In a motor-driven bicycle, the combination, with a bicycle frame having a rearward extension; of a motor swingably supported by said extension, a wheel carried by and driven from said motor and movable by the swinging of the latter into and out of contact with the periphery of the rear wheel of the bicycle, a spring carried by the bicycle and tending to hold said motor in a back swung position wherein said wheel carried thereby is out of engagement with the rear wheel of the bicycle, and pivotally mounted, stop controlled means to swing said motor against the opposition of said spring to a forward position wherein said motor driven wheel engages the periphery of the rear wheel of the bicycle to rotate the latter wheel, said means, at both limits of its travel, being arrested by stops at points beyond dead center.

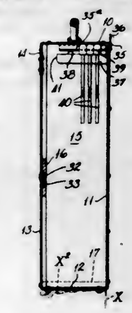
2,274,044
DUPLICATING APPARATUS
William E. Denison, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application November 4, 1940, Serial No. 364,104
15 Claims. (Cl. 101—132)



1. In a duplicating machine, the combination of a frame, a segmental drum open at a portion of its periphery and rotatably mounted on said frame, means on the drum for securing a gelatin pad thereon, brackets mounted on said frame at one side of said drum, a platen roller, means for rotatably supporting said platen roller from

said brackets so as to be movable downwardly and inwardly into engagement with the segmental face of the drum and so as to be movable additionally downwardly and inwardly when the segmental face of the drum passes beyond the platen roller, a forwarding roller rotatably mounted on said frame adjacent to said drum in position for limiting the inward and downward movement of the platen roller when the segmental face of the drum passes the platen roller, yielding means normally pressing said platen roller downwardly and inwardly to the limit of its motion, and means for moving the platen roller about said forwarding roller so as to vary the extent of inward movement of the platen roller as limited by said forwarding roller.

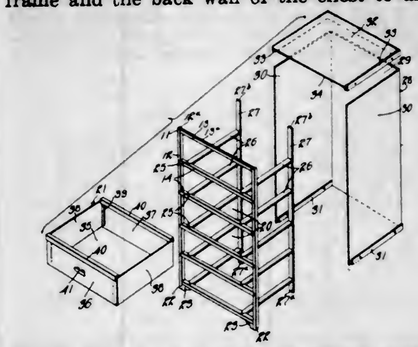
2,274,045
EXTENSIBLE LUGGAGE
Harry Derman, Laurelton, Long Island, N. Y.
Application May 27, 1939, Serial No. 276,037
7 Claims. (Cl. 190—41)



1. A luggage case of the character described comprising relatively fixed top, back and side walls forming a hood structure, a narrow front wall portion at the top of the hood and fixedly secured to the top and side walls, a bottom wall hingedly joined to the lower edge of the back wall, a front wall hingedly joined to the forward edge of the bottom wall whereby both bottom and front walls are extensible in a plane continuous and in alinement with the back wall, cleats on inner surfaces of the side walls below the top wall and inwardly of said narrow front wall, the forward ends of the cleats being spaced from said front wall portion, a pair of spaced dovetailed rails centrally of the inner surface of the top wall and extending from the back wall to a position short of said narrow front wall portion, and means for securing the hinged front wall in closed position.

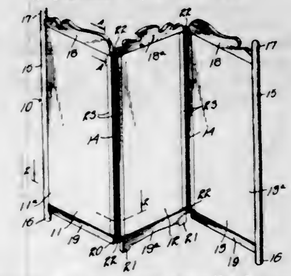
2,274,046
KNOCKDOWN CHEST OF DRAWERS
Harry Derman, Laurelton, Long Island, N. Y.
Application July 14, 1939, Serial No. 284,421
8 Claims. (Cl. 312—144)

1. A chest of drawers of the class described, comprising a plurality of independent skeleton and fiber board parts, said parts being collapsible into a thin knockdown package and when assembled forming a chest having back, side and top wall parts with a skeleton frame forming part of said chest, said skeleton frame comprising a front frame part dividing the front of the chest into drawer receiving openings and supporting forward edges of the side and top wall parts, and other inner frames detachably connected with the front frame and extending between said front frame and the back wall of the chest to divide



the chest into vertically spaced drawer receiving and supporting compartments.

2,274,047
SCREEN
Harry Derman, Laurelton, N. Y.
Application June 29, 1939, Serial No. 281,782
2 Claims. (Cl. 45—106)

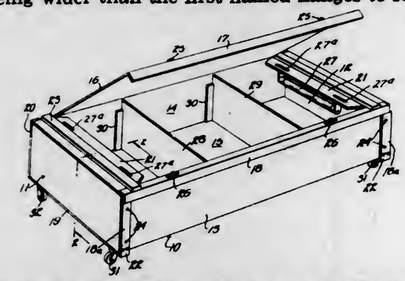


1. A screen of the class described comprising a plurality of foldably related screen sections, said sections collectively being formed from a single sheet of material scored and triple folded to form two-way hinge couplings between adjacent sections, said hinge couplings providing imperforate connections between adjacent sections of the screen, means including channelled rails reinforcing upper and lower edges of each section, other channeled rails extending longitudinally of the free outer edges of the end sections of the screen to reinforce said edges, adjacent edges of the first named reinforcing rails of adjacent sections being spaced apart where the hinge fold is located between said sections, means reinforcing the upper and lower edges of said folded portions intermediate said rails, and means forming supporting feet at the lower edges of all of said sections.

2,274,048
CONTAINER, CABINET, AND THE LIKE
Harry Derman, Laurelton, N. Y.
Application April 3, 1940, Serial No. 327,693
5 Claims. (Cl. 312—144)

1. A collapsible container of the class described comprising separate detachably connected parts, one of said parts forming the side, bottom and cover walls of the container, the other parts being substantially similar and forming opposed end walls of the container, said end walls having flanges overlapping the side and bottom walls, means securing the flanges to said side and bottom walls in forming a container the entire top of which is open between inner surfaces of

the end walls, said cover wall being shorter than the distance between the edges of the flanges of said end walls, cover parts hingeably joined to the tops of said end walls, said cover parts being wider than the first named flanges to form



supports for the ends of the cover wall, means on the cover parts engaging said side walls in limiting inward movement of the cover parts, and said cover parts and cover wall collectively forming a substantial dust-proof closure for the container opening.

2,274,049

CALCULATING MACHINE

Elmer H. Dreher, Rockville Centre, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application February 12, 1937, Serial No. 125,375
2 Claims. (Cl. 235—60)



1. In an adding or like machine, the combination of a plurality of register wheels, actuators therefor, a main operating mechanism, means including an oscillating member operable by said main operating mechanism for moving said register wheels into and out of cooperative relation with said actuators, a plurality of transfer pawls associated with said register wheels, locking means normally holding said pawls in positive engagement with said wheels, and an operating element connected to said oscillating member and operable thereby to disable said locking means after said wheels are moved into cooperative relation with said actuators.

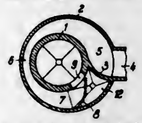
2,274,050

APPARATUS FOR SEPARATING DUST FROM FLUE GASES

Julius Etwanik, Dusseldorf, Germany, assignor, by mesne assignments, to Arthur Burton, Houston, Tex.

Application April 25, 1939, Serial No. 269,984
In Germany April 25, 1938
6 Claims. (Cl. 183—83)

5. Apparatus for separating dust from flue gas, comprising an upright tubular member having a lower part with a continuously curved outline, a hollow body having a continuously curved inner wall and surrounding said lower part, the chamber formed by said hollow body and said tubular member having an inlet for flue gas and



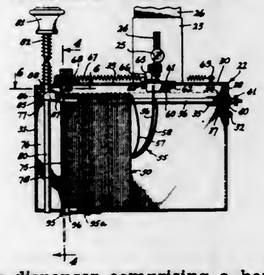
an outlet for flue gas to said tubular member and a partition wall between said inlet and outlet, and the cross-sectional area of said chamber on the way from said inlet to said outlet first diminishing and then increasing.

2,274,051

TAG DISPENSER

Harry C. Feltman, Los Angeles, Calif., assignor of thirty-five per cent to William Tannenbaum, fifty per cent to Richard Landauer, and fifteen per cent to Herman J. Stern, all of Los Angeles, Calif.

Application October 23, 1939, Serial No. 300,771
5 Claims. (Cl. 312—56)



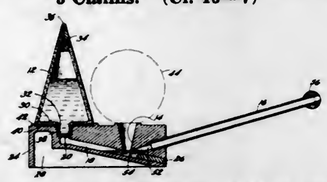
1. A tag dispenser comprising a box, a panel disposed within said box dividing the box into an ejector compartment and a magazine for containing a supply of tags, a discharge slot at the forward end of the magazine, a vertical slot in the panel, a top on the box, a longitudinal slot formed in the said top, means for suspending and maintaining the tags in position within the magazine, means mounted on the top and extending through the longitudinal slot for following and urging the tags toward the front end of the magazine, and reciprocating means within the ejector compartment extending through the vertical slot into the magazine for successively ejecting the foremost tag fom the magazine.

2,274,052

TOY FOR BLOWING BUBBLES

Max Feder, New York, N. Y.

Application April 27, 1939, Serial No. 270,297
3 Claims. (Cl. 46—7)



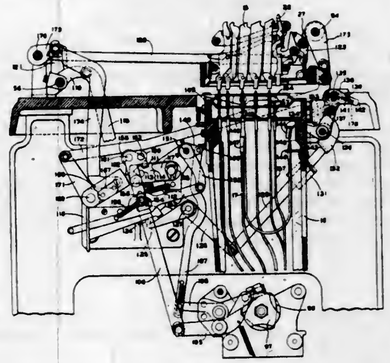
1. A toy for blowing soap bubbles, said toy comprising a base having a flat bottom edge on which the toy may be rested when not in use, a soap container carried on said base and having a neck at the bottom which is received in the base, an upwardly directed bubble-forming bowl molded into the base at a point sidewardly displaced from the container, a passage formed in said base between the neck of the container and the bottom of the bowl, a manually openable valve disposed in said passage between the container and the bowl, resilient means for normally closing said valve, and a blow pipe having one end fixed in said base and leading downwardly to the bottom of the bowl, said pipe being so fixedly mounted in the base that the base with the container and bowl may be supported by means of the pipe when blowing bubbles.

2,274,053

TABULATING MACHINE

John T. Ferry, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application August 26, 1937, Serial No. 161,081
4 Claims. (Cl. 235—61.6)



1. In a machine of the class described, an accumulator, a total taking control mechanism including a total operating link having a plurality of operative positions, a group total shaft, means operated upon a change in record-card designation to initiate a series of cyclic operations of said control mechanism and said link, means operated by the link upon the first cyclic operation thereof to enter a fixed amount into the accumulator prior to taking a total therefrom, means thereafter operated by the total taking control mechanism to move the link to another position, and means operated by the link upon its next cyclic operation to actuate the group total shaft.

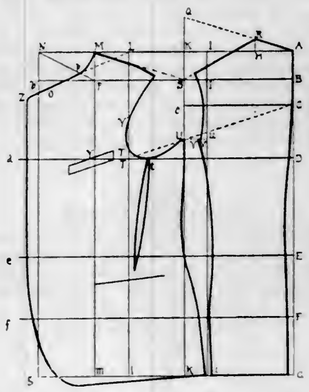
4. In a machine of the class described, an accumulator, a group total shaft, a grand total shaft, a total taking control mechanism including a total operating link, said link having a plurality of operating positions and provided with a cut-away portion and an adjacent shoulder, said total taking control mechanism, when actuated, successively operating said link a plurality of times, means for entering a fixed amount into said accumulator and operated by said link when it is first operated, said cut-away portion permitting the operation of the link without operating the group total shaft, means operated by the total taking control mechanism to shift the link to a second position, said total taking control mechanism operating said link in its second position, means for operating said group total shaft and engaged by said shoulder in the second operation of the link to operate said group total shaft, said link when operated in its second position failing to operate said entering means, means for shifting the link to a third position, means operated by the passage through the machine of a card with a special control hole therein to actuate said last mentioned shifting means, means for operating said grand total shaft, further means controlled by said special-hole card to initiate another operation of said total taking control mechanism and means on said link when operated in its third position to engage the grand-total-shaft-operating means to operate said shaft.

2,274,054

TAILOR'S SQUARE, AND METHOD FOR DRAFTING PATTERNS

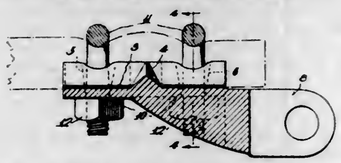
Valentino Ficcio, Tampa, Fla.

Substitute for abandoned application Serial No. 221,044, July 25, 1938. This application August 22, 1941, Serial No. 407,871
4 Claims. (Cl. 33—17)



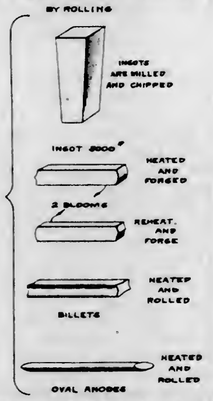
1. The method of preparing a coat pattern which consists in drawing upon a sheet of material a vertical side line and a horizontal top line, measuring on the vertical side line distances from its intersection with the top line, corresponding, with space allowances, to the shoulder and gorge depth, the back notch of the scye and the depth of the scye, measuring on the horizontal line distances from its intersection with the vertical side line corresponding, with space allowances, to the neck width, the back width, the scye front, the shoulder point, and the full breast measure, drawing vertical and horizontal coordinate lines from the points so measured, measuring a standard distance from the back width coordinate toward the scye front coordinate to determine a fundamental vertical line, measuring a point upon the fundamental line at a standard distance above the top line, connecting said point with the intersection of the top and side lines to determine by its intersection width the neck width coordinate the position of the top of the shoulder line, connecting the intersection of the fundamental line with the shoulder depth line to the top of the shoulder line and to the shoulder point measure on the top line to determine the slopes of the shoulder on the back and front pieces respectively, drawing the outlines of the pattern in agreement with the coordinates and cutting the sheet of material along the outlines.

2,274,055
CABLE STRAIN CLAMP
Ray Fitzpatrick, East Palestine, Ohio
Application May 29, 1940, Serial No. 337,949
10 Claims. (Cl. 24—125)



4. A cable strain clamp comprising a body provided along its upper surface with a cable-receiving longitudinal channel having holes along its opposite longitudinal margins for receiving a pair of U-bolts mounted in tandem along the channel each straddling the cable and penetrating said holes so as frictionally to secure the cable in the channel, seats formed about the holes on the under side of the body for nuts engaged with the respective U-bolts, an extension portion of the body projecting longitudinally from one end of the channel portion and disposed wholly below the level of the floor of the channel comprising a clevis adapted to connect the clamp to a suitable support and having a bight spaced from the adjacent seats, and a gusset portion integrally connecting the bight of the clevis with the bottom of the channel portion of the body between and spaced from said last named seats.

2,274,056
EXTRUDED ANODE
George Fellmuth Geiger, Radburn, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application June 25, 1940, Serial No. 342,228
In Canada May 29, 1940
2 Claims. (Cl. 148—2)



2. A process for producing extruded nickel electroplating anodes, which comprises establishing a bath of molten metal having a composition providing an acceptable nickel anode, casting at least a portion of said metal in a mold to form an ingot of slightly smaller size than conventional ingots provided for subsequent reduction to blooms and billets for rolling to electroplating anodes, and subjecting said ingot to suitable pressure in an extrusion press at temperatures of about 900° C. and about 1200° C. to extrude a nickel electroplating anode substantially free from slag inclusion common to cast anodes, said extruded nickel electroplating anode having areas of mutually different grain size, the grains of said anode being largest in the region of the transverse center and smallest in the region of the surface of said anode, said extruded nickel electroplating anode having a smoother corrosion than cast nickel anodes and, in contrast to the non-uniform structure of said extruded nickel electroplating anode, corroding substantially as uniformly as rolled nickel electroplating anodes of uniform structure, and producing substantially no more loose nickel and substantially no more sludge than rolled nickel electroplating anodes of uniform structure and substantially the same analysis.

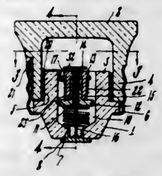
2,274,057
PROCESS FOR THE OXIDATION OF ALIPHATIC HYDROCARBONS
Robert A. Gerlicher, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 16, 1938, Serial No. 230,211
10 Claims. (Cl. 260—451)

1. Process for oxidizing organic materials to form oxygenated organic compounds therefrom, comprising subjecting a higher petroleum hydrocarbon to treatment with a gas comprising oxygen at a reaction temperature in the presence of an added solution of catalyst containing a compound having manganese in the anion and a member of the group consisting of alkali metals and ammonium in the cation and a second compound of a metal selected from the group of alkali and alkaline earth metals of groups I and II of the periodic table of elements.

2,274,058
LONG-CHAIN ALKYL AMMONIUM METALLONITRITES AND PROCESS FOR THEIR MANUFACTURE
Max T. Goebel and Isaac F. Walker, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 13, 1939, Serial No. 273,581
8 Claims. (Cl. 260—429)

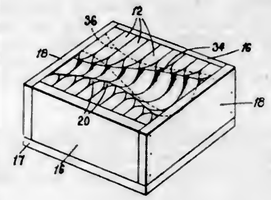
1. An ammonium metallonitrite having at least one alkyl group of at least 8 carbon atoms.

2,274,059
DELAYED ACTION AND INDICATING ELECTRIC FUSE
George R. Goodwin, Pawtucket, R. I., assignor to Royal Electric Company, Incorporated, Pawtucket, R. I., a corporation of Massachusetts
Application February 27, 1940, Serial No. 320,994
6 Claims. (Cl. 200—130)



1. A fuse comprising an insulating body, electric terminals in said body, said body having a chamber, a plunger comprising a metallic member, a spring within said chamber and engaging said plunger for pressing said plunger away from said one terminal, a fuse link portion secured at one end to said one terminal and having a fusible head portion engaging said metallic member and normally holding said plunger retracted against the pressure of said spring, and a fuse link portion electrically connected to the other of said terminals and to said fusible head and having a heating element arranged in heating relation to said metallic member.

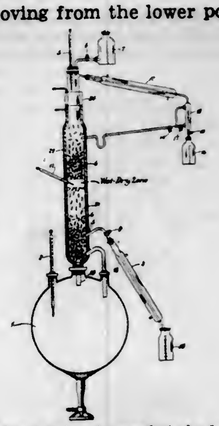
2,274,060
MOLD AND MOLD MAKING METHOD
Fred V. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 31, 1938, Serial No. 237,917
7 Claims. (Cl. 18—44)



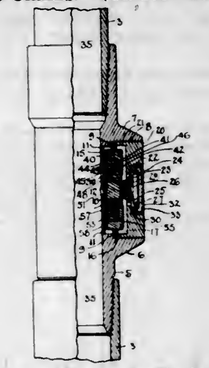
2. That improvement in methods of making duplicate and reversed reproductions of a model which consists in forming a plurality of templates in conformity to a series of contours of the model formed by the intersection therewith of a plurality of parallel planes, each template having a positioning surface, arranging said templates so that when their positioning surfaces are in alinement the contours of said templates have the same relation to each other as that between the corresponding contours of the model, forming a mold surface between said templates, forming an impression of said mold surface thereby producing a duplicate of the model, removing said mold surface from said templates, rearranging said templates in the same order and with their positioning surfaces in alinement but each template being turned end for end, forming a second mold surface between said reversed templates, and forming an impression of said second mold surface thereby producing a similar but reversed reproduction of the model.

2,274,061
ESTERIFICATION PROCESS
Charles W. Hawley, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 13, 1939, Serial No. 308,927
13 Claims. (Cl. 260—488)

4. A process for manufacturing volatile aliphatic esters which comprises feeding into the upper part of a column containing hot vapors of the ester to be formed a mixture of a lower aliphatic acid and a lower aliphatic alcohol in substantially equi-molecular proportions while maintaining a heavy upward reflux of the ester, whereby the ester is formed and simultaneously refined, separating water from a condensate taken from the top of the distilling column, returning to the column the ester and alcohol split out, and removing from the lower portion of the column sufficient ester to maintain balanced conditions in the column.



2,274,062
DIFFERENTIAL PRESSURE UNIT
B. D. Hays, Fort Worth, Tex., assignor of one-half to Jon R. Long, Fort Worth, Tex.
Application August 23, 1938, Serial No. 226,249
10 Claims. (Cl. 103—233)

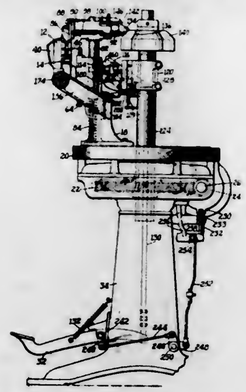


1. A device for flowing wells having a casing comprising a string of pipe in said casing, a control valve thereon to control the admission of a fluid pressure contained in said casing in the well to said pipe, a valve member in said valve, and a pressure unit responsive to pressure in the pipe to move said member, said unit including a set of relatively movable nested pistons, a diaphragm bearing on said pistons at each end thereof so that the pistons support and reenforce the diaphragms in movement, and means on said valve member to engage one of said diaphragms and to move therewith.

2,274,063
SHOE-SHAPING MACHINE
George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 10, 1936, Serial No. 73,780
In Great Britain April 26, 1935
52 Claims. (Cl. 12—51)

1. In a shoe-shaping machine, a shoe-supporting form supported for limited lateral movement, pressers movable into engagement with the sides

of a shoe supported on the form, abutments spaced from said pressers, struts interconnecting the abutments and the pressers, and means for



causing said struts to be moved to pressure-applying position, the pressure against the sides of the shoe being equalized by lateral movement of the form.

2,274,064

PREPARATION OF CARBON MONOXID-HYDROGEN GAS MIXTURES FOR HYDROGENATION

Frank A. Howard and Edward B. Peck, Elizabeth, N. J., assignors to Standard Catalytic Company

Application September 1, 1936, Serial No. 98,880
4 Claims. (Cl. 260—449)

1. In a process for synthesizing liquid hydrocarbons from carbon monoxide and hydrogen in which the ratio of hydrogen to carbon monoxide in the feed gas to the hydrocarbon synthesis reaction is adjusted to substantially a two to one ratio, the improvement which comprises supplying a fresh gas mixture of hydrogen and carbon monoxide, reforming at least a portion of the product gases leaving the said synthesis reaction with an oxidizing gas selected from the class consisting of steam, carbon dioxide and oxygen in a proportion adjusted to produce a reformed gas containing hydrogen and carbon monoxide in a ratio supplementing the ratio of hydrogen to carbon monoxide in said fresh gas, and mixing said reformed gas with said fresh gas to obtain said feed gas of substantially a two to one ratio of hydrogen to carbon monoxide.

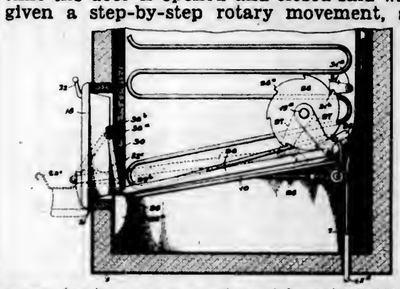
2,274,065

BOTTLE COOLER

Robert Winter Hull and John Crawford Moore, Connersville, Ind., assignors, by mesne assignments, to Rex Manufacturing Company, Inc., Connersville, Ind., a corporation of Indiana

Application April 20, 1939, Serial No. 269,046
6 Claims. (Cl. 312—36)

1. Bottle dispensing apparatus comprising a cabinet having a door opening and a refrigerated bottle storage compartment or chamber therein, deflector walls in said chamber arranged in opposed converging relation to cause the bottles to roll by gravity to a common hopper-like passage, a gravity runway having its receiving end communicating with said passage and its discharge end terminating adjacent the door opening, a door for said opening having means on the inner face thereof adapted to receive a bottle from said runway and carry it outwardly with the door when the door is opened, means operatively connecting said door with said wheel whereby each time the door is opened and closed said wheel is given a step-by-step rotary movement, and a



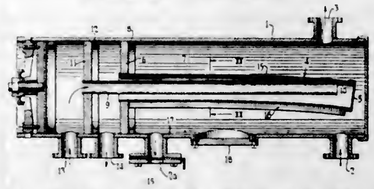
separate storage compartment in said bottle storage compartment, the top wall of said latter storage compartment comprising one of said first-named deflectors and the bottom wall of said latter compartment overlying said runway.

2,274,066

SELF-SCALING TUBE

George T. Jacocks, New Rochelle, N. Y., assignor to Heat Transfer Products Inc., New York, N. Y., a corporation of New York

Application March 21, 1941, Serial No. 384,475
5 Claims. (Cl. 257—1)



3. A heating tube for an evaporator, said tube fixed at one end only; material of a substantially different coefficient of expansion with changes of temperature extending longitudinally of said tube and firmly attached thereto whereby predetermined changes of temperature cause bending or straightening of said tube and loosening of any scale thereon.

2,274,067

SPARK PLUG INSULATOR

Joseph A. Jeffery, Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)

No Drawing. Application May 27, 1938, Serial No. 210,466
4 Claims. (Cl. 106—46)

1. Fine-grained, dense, ceramic insulating material consisting of upwards of 90% sintered alumina, from .7% to 1.40% CaO, from ⅓ to 1½ times as much MgO as there is CaO, and any remainder consisting chiefly of silica.

2,274,068

ELECTRIC CIGAR LIGHTER

Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application October 31, 1936, Serial No. 108,556
17 Claims. (Cl. 219—32)

8. A cigar lighter comprising a holding device; an igniting unit mounted on the holding device for complete removal for use; a heating element carried by said igniting unit; an energizing circuit for the heating element, said circuit having a movable contact in normal circuit-closing position; manually operable means for closing said circuit upon movement from an idle open-circuit position to an operating position; heat-responsive means for moving the movable contact from



a normal circuit-closing position to an open-circuit position without moving said manually operable means from said operating position; and means for preventing the return of said contact to normal circuit-closing position upon cooling of the heat-responsive means until the manually operable means has been withdrawn from said operating position.

2,274,069

STEERING WHEEL ATTACHMENT

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application November 8, 1939, Serial No. 303,441
13 Claims. (Cl. 74—557)

1. An attachment for a steering wheel comprising a flat plate-like unit having an opening therethrough; a coplanar handgrip member rotatably mounted in the opening; and means requiring no physical alteration of the steering wheel, for clamping the plate-like unit to the steering wheel at spaced points, said plate-like unit having its wheel-engaging portions shaped to receive and firmly engage steering wheels having rims of different cross-sectional diameters.

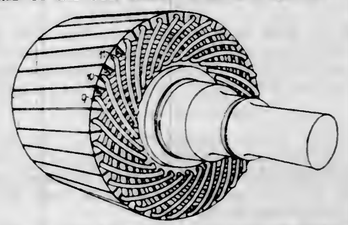
2,274,070

SHORT-CIRCUITED WINDING FOR INDUCTION MACHINES

Vilém Kauders, Prague, Czechoslovakia

Application March 17, 1939, Serial No. 262,557
In Czechoslovakia September 14, 1937
3 Claims. (Cl. 172—120)

1. An electric machine secondary comprising, a magnetic core member containing uniformly spaced peripheral slots of low leakage reactance and uniformly spaced slots of higher leakage reactance, two coil sides in each slot, and connections connecting two coil sides forming a first plurality of similar closed circuits through said coil sides and end connections which circuits include one-half of all coil sides in said low reactance slots and one-half of all coil sides in said high reactance slots, other end connections connecting the remaining coil sides forming a second plurality of similar closed circuits through said coil sides and end connections which latter circuits include the remaining half of all coil sides in said low reactance slots and the remaining half of all coil sides in said high reactance



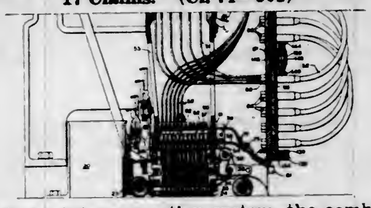
slots, the coil sides in any such closed circuit being spaced apart such a distance that considering two coils with their high reactance coil sides in one common high reactance slot their low reactance coil sides are spaced apart a distance differing from zero electrical degrees so that with high frequency said two sides in said high reactance slots tend to neutralize the magnetomotive force of each other by transformer action whereby the secondary tends to act as a plurality of similar coils with active conductors in low reactance slots.

2,274,071

INTERCONNECTION SYSTEM

Walter F. Kelley, Whitestone, N. Y., assignor to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware

Application August 25, 1939, Serial No. 291,850
17 Claims. (Cl. 74—501)



1. In an interconnection system, the combination of a terminal board in which a plurality of sets of actuating and a plurality of sets of actuable flexible connections terminate, and a cable adapted to be interposed between the terminal ends of any one set of actuating and any one set of actuable flexible connections, said cable including a plurality of flexible interponents to interconnect the flexible connections of the two sets between which the cable is interposed.

2,274,072

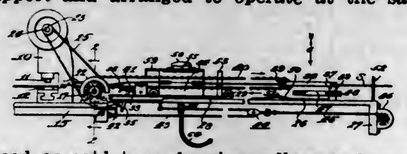
SPRING STEEL HEATING, SEVERING, AND FORMING MACHINE

Albert H. Kersting, Los Angeles, Calif.; Nelle Frances Kersting, executrix of said Albert H. Kersting, deceased

Application November 23, 1938, Serial No. 242,009
11 Claims. (Cl. 266—3)

1. In a machine for heating and feeding metal tape a support, a pair of rollers for drawing tape

lengthwise of said support, a carriage mounted for reciprocating movement on said support, a furnace mounted on said carriage, an endless flexible member mounted for operation on said support and arranged to operate at the same



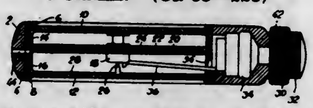
speed as said tape drawing rollers and means for effecting a driving engagement between said carriage and that portion of the flexible member that moves toward the tape feeding rollers.

2,274,073

COMPASS

Johan Henrik L'Abée-Lund, Oslo, Norway, assignor to L'Abée-Lund Aktieselskab, Oslo, Norway, a corporation of Norway

Application August 8, 1939, Serial No. 289,037
In Sweden August 13, 1938
9 Claims. (Cl. 33—223)



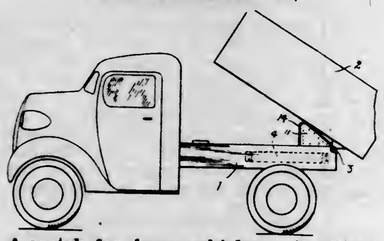
1. In a magnetic compass, a top half, a bottom half identical with said top half and forming the compass casing together therewith, a liquid in said casing, a compass magnet mounted to oscillate in said liquid, means to joint said halves to each other along a plane surface parallel to the plane of oscillation of the magnet, a protection glass in both the top half and the bottom half, an integral flange on said top half and on said bottom half encircling said glass at the periphery thereof to secure them to the casing, and means closely fitting the interior surface of said casing and peripherally engaging said glass to maintain the latter in position against its adjacent flange, said last mentioned means also constituting a guide for assembling the halves of the casing.

2,274,074

SAFETY BLOCK ATTACHMENT

Clair H. Lavalier, Keewatin, Minn.

Application March 26, 1941, Serial No. 385,267
2 Claims. (Cl. 298—17)



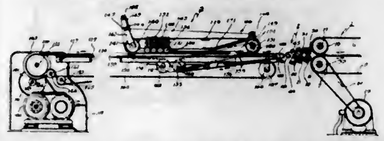
1. A scotch for dump vehicles or the like having a chassis frame upon which the dump member normally rides, comprising in combination an elongated supporting member fixed to the inner face of one of the sides of the chassis frame, a comparatively soft resiliently faced scotch slidably mountable upon the upper face of said chassis frame member, and a hinged bracket slidably carried upon said supporting member for pivotal support of said scotch.

2,274,075

DELIVERY MACHINE FOR BLANKS AND THE LIKE

Leon E. La Bombard, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire

Application May 3, 1939, Serial No. 271,479
9 Claims. (Cl. 198—35)



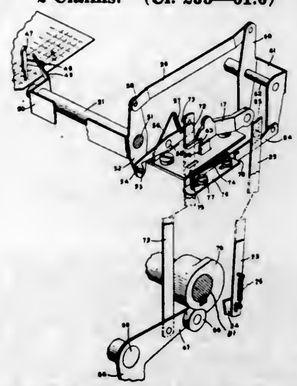
1. A stacker for blanks and the like comprising, a first conveyor for advancing blanks in spaced relation, a slower moving second conveyor for receiving blanks from said first conveyor, and means between said conveyors for inserting the leading edge of each succeeding blank under the trailing edge of the preceding blank, said last means including a transfer roll adapted to engage a blank passing from the first conveyor to the second conveyor, and means active during engagement of the blank with said conveyors respectively for driving said roll at a speed corresponding to the speed of the conveyor with which the blank is in engagement.

2,274,076

CALCULATING MACHINE

Carl E. Lenz, Jamaica, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application June 16, 1939, Serial No. 279,384
2 Claims. (Cl. 235—61.6)



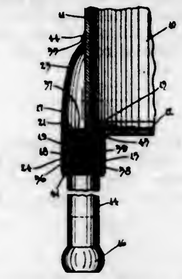
1. In a record controlled multiplying machine having record card feeding and sensing mechanism, driving means therefor, computing mechanism acting to perform multiplication involving factors sensed by said sensing mechanism, driving means for said computing mechanism, each of said mechanisms including means normally acting to stop its associated mechanism at the end of each cycle of operation thereof, a link operated by said feeding and sensing mechanism and normally acting to initiate an operation of said computing mechanism, and means whereby said computing mechanism initiates an operation of said feeding and sensing mechanism whereby normally the machine operates continuously in a succession of alternating cycles of the two said mechanisms, the combination of a pair of elements arranged for movement with a common movable member, one of said elements cooperable with said link and the other of said elements cooperable with said means for stopping the card feeding and sensing mechanism, means for imparting movement to said member upon the sensing of a special perforation in a record card to simultaneously move said first mentioned element to a position whereby the same blocks the action of said link to prevent a cycle of said computing mechanism and the second mentioned element to a position whereby the same temporarily disables the means for stopping the card feeding and sensing mechanism so that the latter will operate through two successive cycles without an intervening cycle of the computing mechanism, and a latch for holding said movable member in said moved position.

2,274,077

LEG CONNECTION

George B. Marsolf, St. Paul, Minn., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn., a corporation of Minnesota

Application April 1, 1940, Serial No. 327,274
6 Claims. (Cl. 248—151)



6. A leg connection comprising an elongated shell-like body formed from a single piece of sheet material, both end portions of said body being curved laterally thereof, one end portion being additionally curved at its extremity longitudinally of said body and providing a cupped member, the same having a marginal flange at its sides and tip conforming with the surface of and adapted to be attached to an object to be supported, the other end portion of said body having wing members at the sides thereof bent in continuation of its lateral curvature and providing a split sleeve, a tubular coupling disposed within said sleeve for the reception of a supporting leg, and a weld joining the extremities of said wing members to each other and to said tubular coupling.

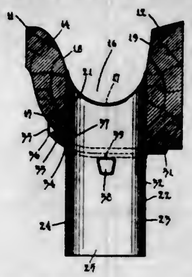
2,274,078

DOWNSPOUT CONNECTION

George B. Marsolf, St. Paul, Minn., assignor to Farwell Ozmun Kirk & Co., St. Paul, Minn., a corporation of Minnesota

Application June 30, 1941, Serial No. 400,366
6 Claims. (Cl. 108—28)

1. In combination with a wooden gutter having a front, back and bottom and an outlet opening in the bottom, a nipple constructed of sheet metal and extending through said opening, said nipple fitting freely within said opening, a flange on the inner end of the nipple engaging the bottom of the gutter for closing said opening adjacent the nipple on the inner surface of the gutter, a collar encircling said nipple upon the exterior of the gutter and disposed adjacent the outer surface of the gutter, said collar closely fitting said nipple and closing



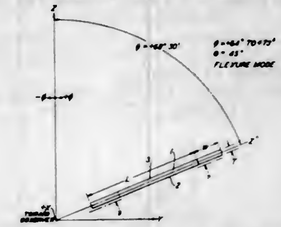
said opening adjacent the nipple at the outer surface of the gutter and means for holding the collar in position against the bottom of the gutter.

2,274,079

PIEZOELECTRIC CRYSTAL APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 18, 1940, Serial No. 357,252
12 Claims. (Cl. 171—327)



1. A piezoelectric quartz crystal vibratory body having its opposite substantially rectangular major faces substantially parallel to an X axis and inclined substantially +68.5 degrees with respect to the Z axis as measured in a plane substantially perpendicular to said major faces, the major axis length dimension and the width dimension of said major faces being inclined substantially 45 degrees with respect to said X axis, said width dimension having a ratio of substantially 0.42 with respect to said length dimension.

2,274,080

AUTOGRAPHIC MACHINE

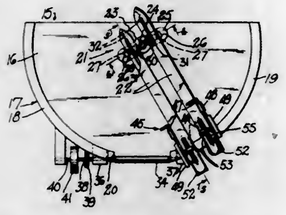
Wesley H. Mathews, Farmington, Mich.

Application October 19, 1940, Serial No. 361,858
8 Claims. (Cl. 282—29)



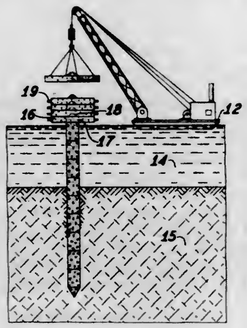
1. In an autographic machine adapted to dispense simultaneously a plurality of wax-coated manifolding forms, the combination of a flat storage compartment, locating pins in said storage compartment adapted to engage apertures formed in the manifolding forms, a cover member adapted to serve as a writing table and means to move the forms in sets from the storage compartment to the writing table.

2,274,081
SKI EXERCISING MACHINE
Francois Mautin, New York, N. Y.
Application June 5, 1941, Serial No. 396,694
20 Claims. (Cl. 272—57)



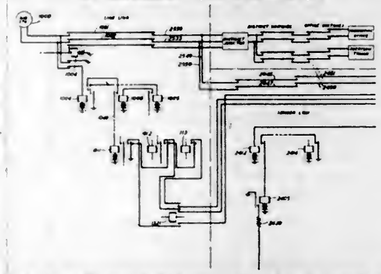
1. A ski exercising device wherein right and left turns are executed with a twist of the skier's torso, including an arcuate ramp of varying elevation, the ramp being upwardly inclined from its ends toward the central region thereof, and foot holding members pivotally mounted adjacent to the center of said arc and resting on said ramp for movement toward the right or left along said ramp.

2,274,082
METHOD FOR CONSTRUCTION OF MARINE FOUNDATIONS
George A. McCammon, La Salina, Venezuela, assignor to Standard Oil Development Company, a corporation of Delaware
Application August 31, 1939, Serial No. 292,766
4 Claims. (Cl. 61—50)



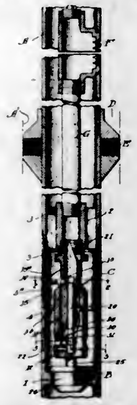
1. A method for erecting a floor over a body of water which comprises assembling a plurality of hollow sections end to end to form a pile-like member, setting said assembly in an upright position in the body of water with its lower end embedded in the earth below water and its upper end protruding above the water, adding an additional section to the upper end of said pile-like member, adding successive nesting weights to the upper end of said added section until said pile-like member is forced intc the earth a distance substantially corresponding to the length of said added section, removing said weights, adding another section to said pile-like member, and repeating operations until said pile-like member rests on a solid foundation, setting other pile-like members in a similar manner in an erect position spaced from said first pile-like member, and laying a floor on the upper ends of the pile-like members so arranged.

2,274,083
SENDER CONTROL SYSTEM
Charles G. Miller, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1940, Serial No. 356,286
17 Claims. (Cl. 179—27)



1. In a telephone system, telephone lines, automatic switching equipment, register senders, means in said register senders under the control of a subscriber on one of said lines for operating said switching equipment to connect said line with a second line for conversation, and means effective when the senders-busy condition is such as to indicate the likelihood of an imminent traffic peak for giving special routing to a proportion of the originating calls.

2,274,084
VALVE FOR PUMPS
Robert P. Miller, San Gabriel, Calif.
Application May 13, 1940, Serial No. 334,856
5 Claims. (Cl. 103—234)



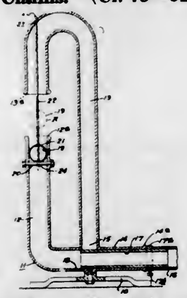
1. In valve mechanism for an automatic fluid pressure pump, flow tubing, a cylinder adapted for mounting in the flow tubing and having a lateral discharge port, means for supplying displacement fluid to one end of the cylinder, a cage adapted for reciprocation at the other end of the cylinder, a sleeve on the cage adapted for snug sliding reception on the cylinder for opening or closing the lateral discharge port, the sleeve having lateral ports between the cage and the proximate end of the cylinder, said ports having knife-edges at the bore of the sleeve, a pin projecting from the cage and adapted for snug sliding reception in the bore of the cylinder, a valve stem projecting from the opposite face of the cage, a valve seat adapted for mounting in the bore of the flow tubing, and a valve head on the valve stem cooperating with the valve seat for controlling flow of production fluid via the bore of the flow tubing.

2,274,085
SHOE
Frank E. Mitulski, St. Louis, Mo., assignor of one-half to David B. Goldman, St. Louis, Mo.
Application September 20, 1940, Serial No. 357,516
2 Claims. (Cl. 36—45)



1. A shoe including an upper comprising a flexible outer and a flexible lining disposed in registering relation along, and stitched together at and throughout their upper margin, and a section of elastic webbing disposed flatwise upon the inner face, and lengthwise extending along the sides and around the heel, of the lining in spaced relation from the stitched upper margin thereof and with its ends in spaced relation forwardly of the throat of the shoe, said webbing being wholly concealed between the outer and lining and stitched throughout its length while in stretched condition to and upon the lining only for yieldingly constricting the foot-opening of the shoe.

2,274,086
TESTING DEVICE FOR INTERNAL COMBUSTION MOTORS
Edward A. Morrison, San Francisco, Calif.
Application June 23, 1939, Serial No. 280,747
4 Claims. (Cl. 73—51)



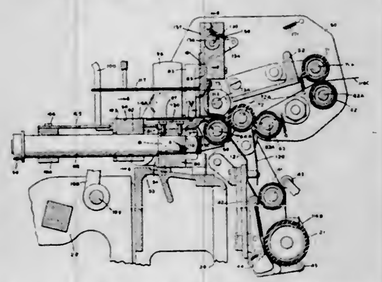
3. A testing device for internal combustion engines, including a tubular body having an inlet for communicable connection with the exhaust of the engine, and having a pair of tubular arms communicating with each other and with said inlet and having respective outlets opposingly disposed in spaced relation, whereby gases exhausted from one arm outlet are directed toward the other arm outlet, a piston mounted at one of said opposed arm outlets and adapted for movement responsive to the force of exhausting gases from the cylinders of the engine, guide means for said piston, and valve means for controlling the communication between the tubular arm members, said respective arm outlets being substantially axially aligned whereby the movement of the piston at one arm may be stabilized by exhausting gases from the other arm.

2,274,087
ELECTRICITY CONDUCTOR UNIT
Louis G. Morten, Teaneck, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 28, 1939, Serial No. 301,737
3 Claims. (Cl. 174—88)



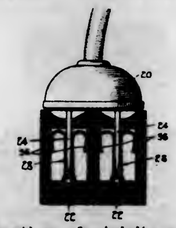
1. An electricity conductor unit, comprising a body having a base portion of flexible electrical insulation material, said base portion having a plurality of longitudinally extending grooves formed in an upper wall surface thereof, a cap portion removably secured to said base portion and forming a closure for such grooves, electricity conductor means positioned within said grooves in mutually insulated spaced relationship and projecting from said body at an end thereof, tubular electricity conductive means encompassing said projecting conductors and extending into said body portion in removable association therewith, said tubular conductive means being removably secured to said conductors by means disposed at the projecting portions thereof, and tubular electricity conductive socket means secured to said conductor means and to said body at the end opposite from said projecting conductor means, said socket means having an inside diameter equal to the external diameter of said tubular electrically conductive means and a depth greater than the total length of projection of said tubular electricity conductive means from the end faces of said body.

2,274,088
TABULATOR
John Mueller, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 17, 1940, Serial No. 353,029
6 Claims. (Cl. 271—44)



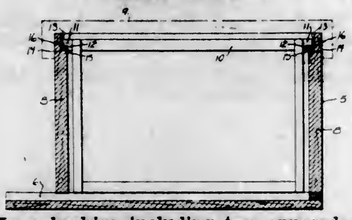
1. A device of the character described comprising a depository for a stack of individual sheets of paper from which the sheets are capable of being fed one at a time, intermittently operated feed rollers associated with said depository, a picker knife for feeding individual sheets of paper from the depository, said knife being situated with relation to the feed rollers to retain the edge of the sheet fed from the depository tightly pressed against the stationarily positioned feed rollers when the knife is inactively positioned, and means for rotating said feed rollers to feed the thusly positioned paper sheets.

2,274,089
ELECTRIC CONVENIENCE OUTLET AND CONTACT MEANS THEREFOR
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application December 29, 1939, Serial No. 311,458
4 Claims. (Cl. 173—334.1)



1. In combination, electricity connector means including a substantially hemi-cylindrical body, substantially cylindrical collar means secured to said body at the ends thereof, blade-like contact means integral with the said body and extending upwardly therefrom, and electricity conductor means extending axially through said body and said cylindrical collar means and secured to the latter in electricity conductive relationship by soldering or like methods involving elevated temperatures said hemi-cylindrical body means having a diameter greater than that of the conductor means to provide an air space between said conductor means and said hemi-cylindrical body.

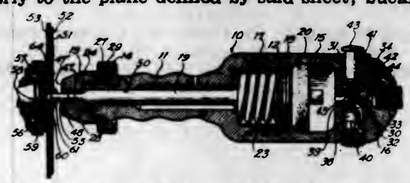
2,274,090
BEEHIVE FRAME REST
Eric C. H. Olson, Hales Corners, Wis., assignor to G. B. Lewis Company, Watertown, Wis., a corporation of Wisconsin
Application December 21, 1939, Serial No. 310,299
6 Claims. (Cl. 6—2)



1. In a beehive including two opposed walls: frame supports carried by said walls and adapted to have the ends of comb frames supported thereon, said frame supports comprising ledges inclined obliquely downward from the inner faces of said walls; and correspondingly shaped metal angle strips extending upward along said inner faces and covering said ledges to provide substantially sharp edges upon which the frame ends rest.

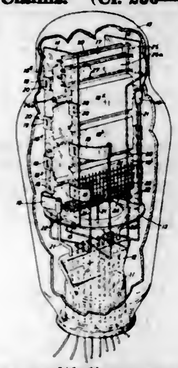
2,274,091
BUCKING TOOL
Vladimir H. Pavlecka and George D. Rechton, Santa Monica, and Charles C. Misfeldt, Glendale, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application April 23, 1938, Serial No. 203,946
12 Claims. (Cl. 78—46)

1. In a bucking tool of the character described for use with a rivet, the shank of which projects through an opening in a sheet, the combination of: a body having a head swivelly mounted thereon for universal movement relative to said body, said head having means for engaging said sheet, there being a guide carried by said head to position the shank of said rivet perpendicularly to the plane defined by said sheet; bucking



means for said shank movable relative to said body and said head; and means for applying a force and its reaction respectively to said bucking means and said body to produce movement of said bucking means relative to said body and to said head into a position to be engaged by said shank.

2,274,092
ELECTRON DISCHARGE DEVICE
John R. Pierce, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 4, 1938, Serial No. 205,930
11 Claims. (Cl. 250—175)

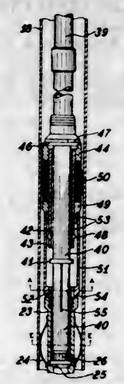


1. An electron multiplier comprising a primary cathode, a collector electrode spaced from said primary cathode, an auxiliary cathode opposite and partially overlapping said primary cathode and having a secondary electron emissive portion obliquely aligned with said primary cathode and a barrier portion extending toward said primary cathode, a second auxiliary cathode obliquely opposite said first auxiliary cathode and including a secondary electron emissive surface substantially parallel to said emissive portion and an end portion extending toward and overlapping said emissive portion, said barrier and end portions terminating short of the medial plane between said auxiliary cathodes and opposite substantially the center of said primary cathode and said first auxiliary cathode, respectively.

2,274,093
APPARATUS FOR COMPLETING SUBMARINE WELLS
Douglas Ragland and James U. Teague, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 19, 1938, Serial No. 235,750
5 Claims. (Cl. 166—2)

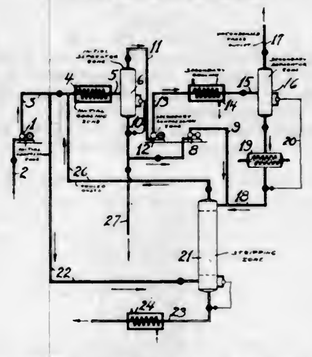
1. A submarine oil well comprising a casing

connecting the producing formation with the surface, a packer having a central passage locked in place in said casing at a point intermediate its ends, a tubing connecting the passage in said packer to a point above the surface water level,



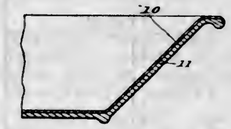
said tubing being arranged for free longitudinal movement relative to said packer, and means for shutting off the upward flow of fluid through said passage when it exceeds a predetermined velocity.

2,274,094
REFINING PROCESS
Walter H. Rupp, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 18, 1941, Serial No. 379,391
4 Claims. Cl. 62—175.5)



1. Process for the removal and recovery of hydro-carbon constituents comprising at least four carbon atoms in the molecule from feed gases comprising hydrocarbon constituents containing less than four carbon atoms in the molecule, which comprises passing the feed gases through an initial compression zone, segregating the compressed gases without cooling into a primary feed gas stream and into a secondary feed gas stream, cooling said primary feed gas stream in an initial cooling zone, passing the mixture from said initial cooling zone into an initial separation zone wherein a separation is made between uncondensed vapors and the liquid condensate, passing said uncondensed vapors into a secondary compression zone, followed by cooling the same in a secondary cooling zone, passing the mixture from said secondary cooling zone into a secondary separation zone wherein a separation is made between uncondensed vapors and a liquid condensate, combining the condensates from said initial separation zone and said secondary separation zone and countercurrently contacting these condensates with said secondary feed gas stream in a stripping zone under conditions to withdraw as a liquid bottoms from said stripping zone a liquid product substantially free of undesirable hydrocarbon constituents.

2,274,095
RESIN-BEARING MOLDED PULP ARTICLE
Edward E. Sawyer, Waterville, Maine, assignor to Keyes Fibre Company, Waterville, Maine, a corporation of Maine
Application July 25, 1938, Serial No. 221,112
2 Claims. (Cl. 229—2.5)

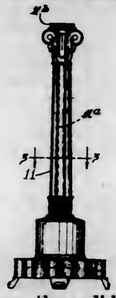


1. An individual multilayer molded fibrous article of dished shape, comprising a plurality of superimposed preformed resin-bearing fibrous layers of complemental size and shape, die-molded from different aqueous pulp mixtures containing fibres and uncured synthetic resin, and compacted and finished under heat and pressure, one of said layers being a body layer comprising a substantial amount of interfelted fibres and a cured synthetic resin distributed substantially uniformly throughout said layer, and another of said layers being a finishing layer comprising interfelted fibres and a substantial amount of cured synthetic resin distributed substantially uniformly throughout said layer, the proportionate amount of resin to fibre in said finishing layer being appreciably greater than the proportionate amount of resin to fibre in said body layer, the fibrous structure of said layers being substantially unchanged, except for compacting, from their original die-molded shape and presenting an article substantially free from wrinkles, folds, or breaks in its structure, and the cured resin of the finishing layer giving a hard, smooth, enamel-like finish to the exposed surface of said layer and with the cured resin of said body layer furnishing a bond between the contacting surfaces of said layers.

2,274,096
PRESSED TUBULAR GLASS STRUCTURE
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application February 13, 1939, Serial No. 256,046
4 Claims. (Cl. 248—158)

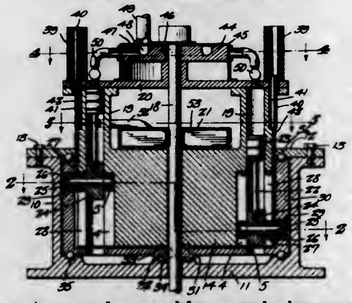
1. A molded integral lamp stand of glass including a press-molded hollow base and a slender column extending from said base, said hollow base having molded inner and outer surfaces and having a larger lateral dimension internally than the external diameter of said column, said base having side and top walls and being open at its lower end, and said column having a passageway blown therein of a cross-section sufficient to accommodate electric conductors, said passageway extending through said column and also extending through an under surface of said base, the sur-

face of said passageway and said under surface being continuous and merging one into the other



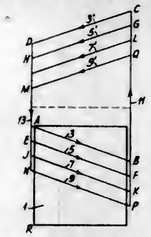
and resulting from the solidifying of the glass, whereby the strength of the glass is not impaired.

2,274,097
CRANKLESS ENGINE
John B. Sheerer, Pittsburgh, Pa.
Application October 27, 1938, Serial No. 237,346
1 Claim. (Cl. 123—58)



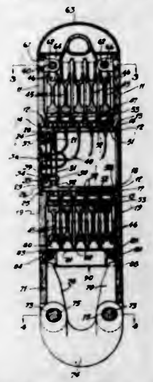
In a two cycle crankless explosive engine a stationary cylindrical casing, a bed plate integral with the bottom of the casing, an annular cover plate secured to the top of the casing, a cylindrical stationary frame wall concentrically disposed in the casing within the inner periphery of the cover plate and extending above the cover plate, radially disposed webs integral with the wall below the cover plate, a hub connecting the webs, a vertically disposed shaft projecting at both ends through the hub, an annular series of cylinders in the wall above and outside of the webs and disposed parallel with the shaft, a cylinder head closing the top of all of the cylinders and spaced above said webs to provide a muffler space in the engine above the webs, exhaust pipes connected to the cylinders entering said space, pistons for the cylinders, a cylindrical rotary cam disposed concentric with the shaft between the casing and the frame wall of substantially the height of the casing, there being an undulating cam groove on the inner periphery of the cam plate, piston rods for the pistons extending downward along said webs, wrist pins carried by the piston rods engaged in said cam groove at one end and engaged in guide grooves in the webs at the opposite end, a bottom for the cam plate integral with the cam plate and disposed on said bed plate, said bottom having a hub keyed to said shaft, reciprocation of the pistons rotating the cam plate and shaft as a unit through the medium of said wrist pins, a rotary fuel supply valve fixed to the shaft above said cylinder head, oppositely disposed ports on the valve, and check valve control fuel pipes connected to the cylinder and adapted to register with said ports during rotation of the fuel supply valve.

2,274,098
DEFLECTING CIRCUIT
Henry Shore, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,598
11 Claims. (Cl. 178—7.7)



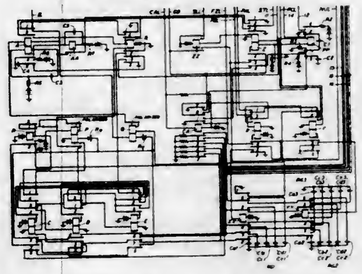
1. The method of scanning a target surface positioned within a cathode ray tube by a beam produced within said tube, which comprises the steps of deflecting the beam of electrons horizontally across the target surface, producing a horizontal return deflection of said beam of electrons, simultaneously deflecting the beam of electrons vertically, producing a vertical return deflection of the beam, producing auxiliary deflecting fields, and superimposing the produced auxiliary deflecting fields upon said vertical and horizontal return deflections, whereby the beam of electrons is moved by the produced auxiliary deflecting fields off of the target area during both the horizontal and vertical return deflections of the beam.

2,274,099
TRAVELING BLOCK
David M. Smith, Hermosa Beach, and William H. Fisher, Los Angeles, Calif., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application October 31, 1939, Serial No. 302,188
4 Claims. (Cl. 254—192)



4. In a traveling block, the combination of: a shaft; side plates mounted on said shaft; sheaves surrounding said shaft; bearings mounted on said shaft for rotatably supporting said sheaves, said bearings having secured within said sheaves outer races with lips extending inward from the edges thereof, inner bearing race means consisting of ring members mounted on said shaft in end to end engagement and being so formed as to provide alternate inner race members and spacer rings, and rollers between said outer races and said inner race members, the ends of said rollers, by engagement with said lips and said spacer rings, limiting axial movement of said sheaves and holding said sheaves in spaced relation between said side plates; clamp means cooperating with said shaft for causing said side plates to clamp said ring members together on said shaft; bail lugs secured to and extending inwardly from the upper ends of said plates; clevis lugs secured to and extending inwardly from the lower ends of said plates; a bail between the upper ends of said plates connected to said bail lugs, there being lateral play in the connection of said bail to at least one of said bail lugs; and a clevis between the lower ends of said plates connected to said clevis lugs, there being lateral play in the connection of said clevis to at least one of said clevis lugs.

2,274,100
KEY PULSING SENDER FOR TELEPHONE SYSTEMS
Maurice S. Snell and Esmond P. G. Wright, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1938, Serial No. 185,858
In Great Britain February 12, 1937
8 Claims. (Cl. 177—380)



1. In a signaling system, a digit recording device, a plurality of groups of condensers, means controlled by said recording device for selectively placing condensers of successive groups in a positively or negatively charged condition to register successively recorded digits, any selected condenser of each group being positively charged to register a certain digit value or negatively charged to register a different digit value, impulse transmitting means and means controlled by the charged condensers for causing said impulse transmitting means to successively transmit series of impulses, the number of impulses in each series depending on the particular condenser of a group having a charge thereon and upon the polarity of said charge.

2,274,101
BACTERIOSTATIC SUBSTANCE AND PROCESS FOR MAKING THE SAME
Eric G. Snyder, New York, N. Y., assignor to Jovan Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 24, 1939, Serial No. 258,175
8 Claims. (Cl. 260—314)

1. A process for making a water-soluble copper complex of phytochlorin *e* which comprises dissolving a copper complex of tri methyl ester of phytochlorin *e* in an excess of methyl alcohol solution of sodium hydroxide, adding sufficient water to keep the sodium salt to be formed therein in solution and to form a reaction mixture, refluxing said reaction mixture until the reaction is substantially complete to form a sodium salt of a copper complex of phytochlorin *e*, adding a precipitating agent to precipitate the sodium salt thus formed, separating the precipitated sodium salt from the reaction mixture, dissolving the separated sodium salt in a solvent therefor and reprecipitating said sodium salt whereby a water-soluble sodium salt of the copper complex of phytochlorin *e* is obtained.

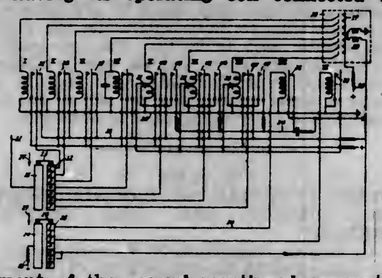
2,274,102
PROCESS FOR MAKING ISOCHLOROPHYLLIN-A-SODIUM AND THE PRODUCT THEREOF
Eric G. Snyder, New York, N. Y., assignor to Jovan Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 1, 1939, Serial No. 287,753
5 Claims. (Cl. 260—314)

1. A process for making isochlorophyllin-*a*-sodium which comprises refluxing one part of chlorophyll *a* with 10 parts of caustic soda in methyl alcohol for at least two hours with the exclusion of carbon dioxide to obtain a reaction mass containing isochlorophyllin-*a*-sodium, chilling the reaction mass to below about 10° C. and maintaining said reaction mass at a temperature below about 10° C. for a period of time sufficient that solid material containing isochlorophyllin-*a*-sodium is precipitated, separating said solid material from the reaction mass, washing said solid material containing isochlorophyllin-*a*-sodium with absolute ethanol, washing said solid material containing isochlorophyllin-*a*-sodium with petroleum ether to obtain washed solid material containing isochlorophyllin-*a*-sodium, dissolving said washed solid material containing isochlorophyllin-*a*-sodium in 95% ethanol to obtain an ethanol solution of isochlorophyllin-*a*-sodium, adding absolute ethanol and petroleum ether to said ethanol solution to precipitate isochlorophyllin-*a*-sodium, separating said isochlorophyllin-*a*-sodium from said ethanol solution, washing said isochlorophyllin-*a*-sodium with absolute ethanol and then with petroleum ether to obtain isochlorophyllin-*a*-sodium of high purity, and drying said isochlorophyllin-*a*-sodium of high purity in a vacuum.

2,274,103
TELEGRAPH PRINTING SYSTEM
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1939, Serial No. 252,179
16 Claims. (Cl. 178—4)

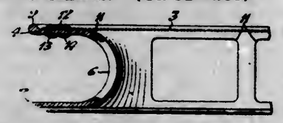
1. In an electric telegraph system for multiunit equal length code characters, a communication channel, a tape transmitter, relays each having an operating coil and a switch, each coil being connected to said tape transmitter, a commutator having spaced segments each connected to one of said switches, said switch connecting one potential to a segment when the coil is energized and to another potential when it is de-energized, a brush adapted to move over said segments and connect them successively to the outgoing line of said communication

channel, at least one of said relays being a storing relay having a holding coil and a switch connected thereto to be closed when the operating coil is energized, a second commutator having spaced segments, a brush adapted to run in synchronism with the first mentioned brush for connecting the last mentioned segments successively to a potential source, an additional relay having its operating coil connected to a



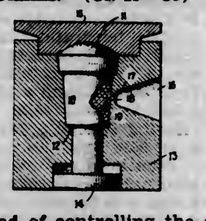
segment of the second mentioned commutator and adapted when energized to open the said holding circuit, a further relay having its operating coil connected to a segment of the second mentioned commutator and adapted, when energized, to close the circuit of the operating coil of said storing relay, and an operating coil for moving the tape of the transmitter, the last mentioned coil being connected to a segment of the second mentioned commutator.

2,274,104
DRYING FRAME OR TRAY
Robert W. Stanley, Providence, R. I., assignor to Alco Fabricating Corporation, Pawtucket, R. I., a corporation of Rhode Island
Application November 25, 1939, Serial No. 306,133
5 Claims. (Cl. 34—238)



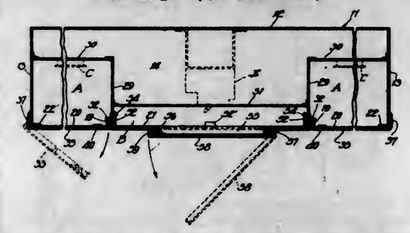
2. A drying tray comprising a one-piece marginal frame of channel-shape in cross-section with parallel flanges at the top and bottom thereof, the web of said frame having a series of openings therein, and a reticulated support for the material to be dried mounted on one of the flanges of the frame.

2,274,105
METHOD OF MANUFACTURING ARTICLES
Andrew H. Stewart, Shields, and Peter Kucera, Allison Park, Pa.
Application October 12, 1938, Serial No. 234,550
4 Claims. (Cl. 49—85)



1. The method of controlling the cooling and shrinkage of molded glass articles having spaced optical surfaces of predetermined shape and contour to prevent distortion of said surfaces, which comprises subjecting all surfaces of a semi-plastic glass blank to pressure in a mold having spaced surfaces of predetermined contour conforming to the desired contour of said optical surfaces and simultaneously forming a chilled skin of predetermined contour on said optical surfaces, simultaneously shaping and chilling the remaining surfaces of said blank intermediate the optical surfaces by contact with the metal of the mold to provide a chilled skin of desired viscosity thereon, maintaining a portion of the surface of said blank intermediate said optical surfaces at a substantially higher temperature, thereby to form a surface of less viscosity in a localized area of said blank intermediate said optical surfaces, thereafter removing the blank from the mold and cooling the blank so that contraction of the glass within the body of the blank will be compensated by hotter glass in the localized area of lower viscosity surface.

2,274,106
WEATHERPROOF CABINET
Carll W. Strong and Ralph M. Walker, Atlanta, Ga.; Mabel B. Walker and Trust Company of Georgia, executors of said Ralph M. Walker, deceased, assignors to Walker Electrical Company, Atlanta, Ga., a corporation of Georgia
Application February 14, 1940, Serial No. 318,914
7 Claims. (Cl. 312—100)

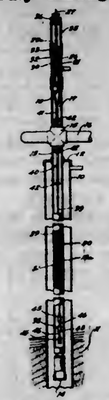


1. A weatherproof cabinet comprising a body open at its front, a pair of spaced vertical channel members at the open front of said body having their open sides facing forwardly, a removable cover member closing the space between said channel members and having inwardly extending side flanges disposed in said channel members and only partially filling the same, fastening means securing said cover member in position between the channel members, a door hinged to each end of said body having a vertical inwardly extending flange, the inwardly extending flanges of the doors respectively being disposed in said channel members beside the flanges on said cover when the doors are in closed position, the adjacent flanges combined substantially filling the channel members, whereby said channel members and flanges weatherproof the vertical joints between the doors and the vertical sides of the cover.

2,274,107
PARAFFIN CUTTER
Cecil H. Sweet, Artesia, N. Mex.
Application February 10, 1940, Serial No. 318,336
2 Claims. (Cl. 166—18)

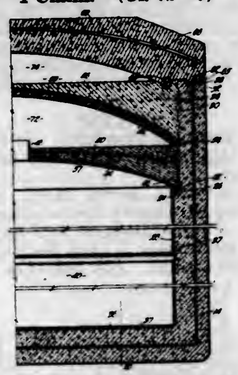
1. A wax cutter for use in the oil production tube of a flowing well subject to wax deposition in a zone therein comprising a wax cutting assembly embracing an annular ring of slightly less external diameter than the internal diameter of the oil production tube and an elongated bar

depending therefrom provided with a plurality of radially extending blades, means for suspending said paraffin cutting assembly in the oil production tube above the zone of wax deposition, and a slender elongated element extending from said bar downwardly through the zone of wax



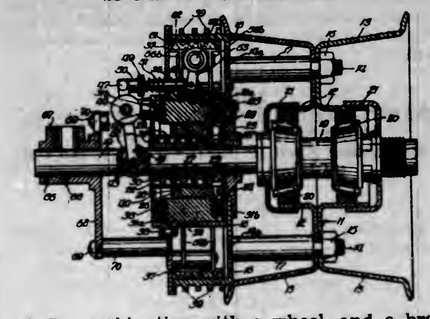
deposition and having a weight secured to its lower end, said suspending means being adapted to lower said cutting assembly by virtue of the effect of said weight through the zone of wax deposition whereby the wax is substantially removed and is carried upwardly to the surface by the flow of oil through the oil production tube.

2,274,108
BURIAL VAULT
Lue Tripp, Kansas City, Mo.
Application February 5, 1940, Serial No. 317,314
1 Claim. (Cl. 72—7)



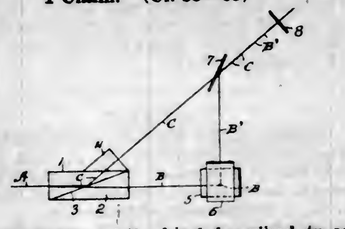
In a burial vault an open topped, waterproof box having an inner horizontally disposed, grooved ledge intermediate the top and bottom thereof; an inner cover member of waterproof material resting upon said grooved ledge and having upturned outer edges disposed adjacent the inner walls of said box and having an upwardly concave bottom with a tubular thimble extending upwardly therefrom to form an opening therethrough whereby water passing upwardly therethrough will collect on top of said inner cover below the upper end of said thimble and will not drain back into the box below said inner cover member; a porous intermediate cover member having a concave lower surface to form a chamber directly above said inner cover member and having a planar top surface substantially flush with the top edge of said box, the edges of said intermediate cover being directly interlocked with the inner wall of said box above said ledge; and an outer cover of porous material recessed at its under side to form an air chamber between the outer cover and the intermediate cover and having spaced apart depending ribs adapted to respectively engage in grooves formed in said intermediate cover and in the upper edge of said box.

2,274,109
ELECTRICAL BRAKE CONTROL MECHANISM
Royal A. Vissing, Yerington, Nev., assignor of one-third to Harry H. Roe, Salt Lake City, Utah, and one-third to Philip E. Siggers, Washington, D. C.
Application February 9, 1940, Serial No. 318,018
28 Claims. (Cl. 188—138)



1. In combination with a wheel, and a brake for the wheel, operator-controlled actuating means for the brake comprising a screw rotated by the wheel, said screw having an external thread; an armature surrounding the screw and rotating therewith and mechanically connected with its thread; a stationary, magnetizable field surrounding the armature; a source of electricity; operator-controlled means for magnetizing the field from the source of electricity thereby magnetically retarding the armature and causing it to move along the screw; and a mechanism operated by the armature when moved along the screw to apply the brake.

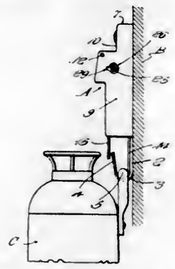
2,274,110
APPARATUS FOR TREATING POLARIZED LIGHT
Robert E. Ward, Jr., Kansas City, Mo.
Application March 29, 1940, Serial No. 326,651
1 Claim. (Cl. 88—65)



In an apparatus of the kind described, in combination, light polarizing means comprising a receiving prism and an emergent prism having respectively two diagonal sides next to each other and two oppositely disposed ends, and a layer of polarizing material between said diagonal sides,

said polarizing means providing for the incident ray passing through said end of said receiving prism and against said diagonal side thereof where the ordinary component beam is reflected against one side of the receiving prism, and the extraordinary component beam being transmitted through the emergent prism, a third prism, having one side against said one side of said receiving prism, in the path of and transmitting said reflected beam in a plane common to both transmitted beams, means for intercepting and reflecting one of said transmitted component beams at an angle to said common plane, means for intercepting and reflecting said one angularly reflected beam along a second plane, parallel with and adjacent to said common plane, and into intersection with a third plane which is perpendicular to said two planes and in which third plane is the course of travel of said other transmitted component beam, and means for intercepting and reflecting at said intersection said one beam to a course of travel in said second and third planes in the same direction as and parallel with that of said other transmitted component beam.

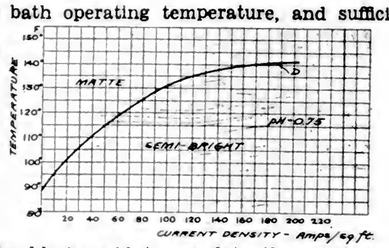
2,274,111
HANGER FOR EMERGENCY EQUIPMENT
Ralph E. Weaver, Lewistown, Pa.
Application April 19, 1941, Serial No. 389,458
9 Claims. (Cl. 248—203)



7. In a hanger of the class described, a support adapted to receive an article to be hung; a blocking part normally positioned so as to permit removal of said article from said support; means mounting said blocking part for movement to a second position in which it prevents placing of said article on said support; a normally elevated weight; means mounting said weight to move to a lower position in response to movement of said blocking part to its said second position, said weight when in its lower position preventing return of said blocking part to its normal position; and means for elevating said weight including a rack on said weight, and a key-operable pinion journaled to rotate about an axis fixed with respect to said support.

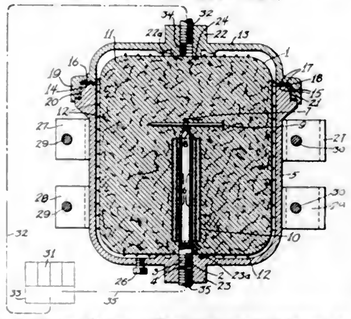
2,274,112
SEMIBRIGHT NICKEL DEPOSITION
Andrew Wesley, Plainfield, N. J., and Jay William Carey, Lynbrook, N. Y., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application December 29, 1938, Serial No. 248,146
6 Claims. (Cl. 204—49)

1. A plating bath consisting of an aqueous solution containing nickel chloride within the range of about 260 to about 340 grams per liter, boric acid from about 2 grams per liter to saturation at the bath operating temperature, and sufficient



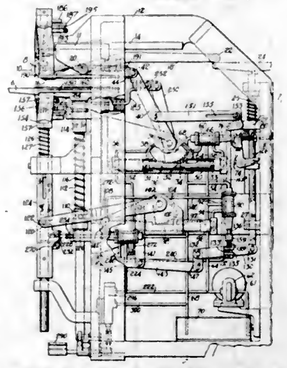
hydrochloric acid to regulate the pH between about 0.7 and 3.0.

2,274,113
OIL REFINER PACK
Albert R. White, Glendale, Calif.
Application October 14, 1938, Serial No. 234,968
6 Claims. (Cl. 210—131)



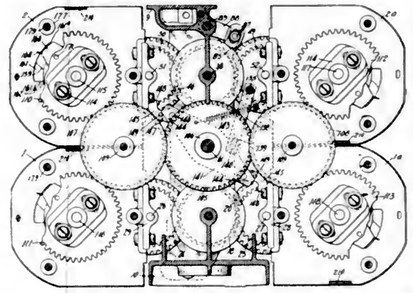
1. An article of manufacture comprising a perforated pipe, a screen enclosing the perforated portion of the pipe, and an elongated fastening member passed through the screen and certain of the pipe openings for securing the screen to the pipe, the ends of the fastening member extending beyond the screen to form a key adapted for anchorage in a surrounding filtering pack.

2,274,114
MACHINE FOR OPERATING UPON HIDES, SKINS, LEATHER, AND OTHER SHEET MATERIAL
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 5, 1940, Serial No. 355,502
30 Claims. (Cl. 149—17)



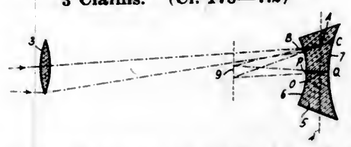
1. In a machine for operating on sheet material, a work support, a tool movable in opposite directions relatively to a work piece on said support, said tool having an operative stroke in one direction and an idle stroke in the opposite direction, means for reciprocating the tool in its idle and operative strokes, and means controlled directly by the work piece with reference to a linear dimension thereof to terminate the operative stroke of the tool according to the length of said dimension.

2,274,115
COMPUTING COUNTER
Edward Wild, Hartford, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application June 17, 1937, Serial No. 148,720
11 Claims. (Cl. 235—144)



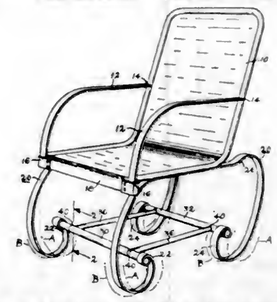
1. In combination, a frame carrying a reset operating train driven in one direction during resetting and means for reversely driving said train at the end of resetting, a counter mechanism on said frame having a shutter and cooperating resetting mechanism including a reset operating gear driven by said train, and shutter operating connections between said gear and shutter for closing said shutter at the beginning of resetting and opening the same as said train moves reversely.

2,274,116
OPTICAL SYSTEM
William David Wright, Winchmore Hill, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application September 22, 1938, Serial No. 231,119
In Great Britain October 1, 1937
3 Claims. (Cl. 178—7.2)



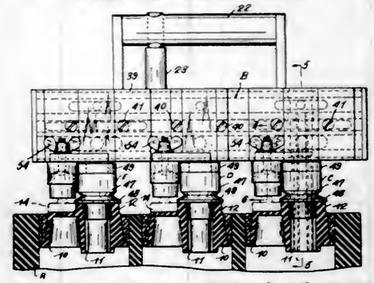
1. An optical system comprising a lens system for producing a plane image and a divergent lens in register with said lens system, said divergent lens having a radius of curvature for the surface facing said lens system smaller than the radius of curvature of the other surface of said divergent lens, said lens system having the plane of its exit pupil conicident with a plane perpendicular to the axis of said divergent lens through the center of curvature of the surface facing said lens system, whereby a sharply focussed image is produced on a curved surface on the side of said other surface of the divergent lens.

2,274,117
CHAIR
Louis J. Zerbee, Bellefontaine, Ohio
Application April 6, 1938, Serial No. 200,506
11 Claims. (Cl. 155—54)



10. In a chair or the like, the combination including a seat portion, a base portion, disposed intermediate the seat portion and the floor, said base portion including a plurality of arcuate spring legs extending substantially from the seat portion to the floor, each simulating a hyperbolic spiral with the greatest curvature near the bottom of the legs, said spring legs constituting oscillatory supports for the chair.

2,274,118
BATTERY FILLER
Frank Altmayer, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application October 5, 1939, Serial No. 298,120
8 Claims. (Cl. 226—19)

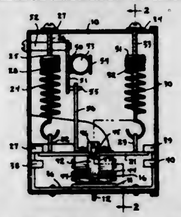


1. A multi-cell battery filling head comprising a frame including a handle and having a plurality of chambers therein, means for connecting one of said chambers to a vacuum, means for connecting another of said chambers with a liquid supply, said frame comprising nozzles adapted to be projected through the filler openings of the cells of the battery and having a plurality of passageways therethrough communicating with said chambers, resilient seals carried by said nozzle adapted to close said filler openings and support said frame on the battery to be filled, and resilient means separate from said seals for supporting said frame on the battery to be filled, said frame having a vent opening adjacent to said handle communicating with one of said chambers.

2,274,119
AUTOMATIC SWITCHING MECHANISM
Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 1, 1939, Serial No. 293,080
14 Claims. (Cl. 200—83)

1. In a device of the character described, in

combination, a movably mounted control member, a lever, separate means biasing each end of said lever to a first position, said control member being connected to said lever at an intermediate point, a condition responsive device actuating said control member to move first one end



and then the other end of said lever to a second position depending upon which of said biasing means exerts the lesser force, and a control device connected to said control member independently of said lever and actuated by said control member.

2,274,120

PROCESS FOR CURING VANILLA BEANS

Arnold K. Balls, Washington, D. C., and Arthur G. Keverkian and Francisca E. Arana, Mayaguez, P. R.; dedicated to the free use of the People in the territory of the United States

No Drawing. Application August 6, 1941, Serial No. 405,590
2 Claims. (Cl. 99—140)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

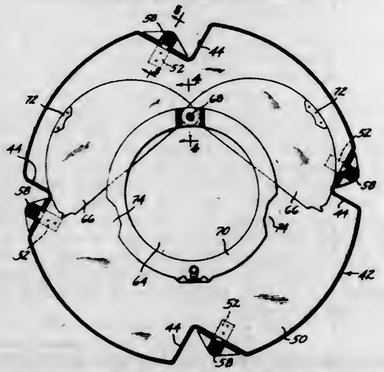
2. A process for curing vanilla beans, which comprises subjecting vanilla beans for at least three hours to the action of a temperature that will cause the beans to freeze solidly; thence keeping the beans for several days in this condition; thence subjecting the beans to room temperature until thawed; and thence drying and aging.

2,274,121

CLEANING MACHINE

Vincent Bendix, New York, N. Y., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware

Application December 22, 1938, Serial No. 247,148
4 Claims. (Cl. 68—143)



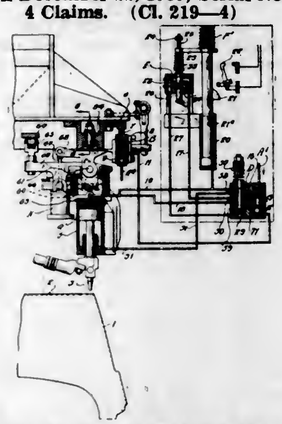
1. A washing machine rotor having a shaft projecting axially outward at one end and having an opening in its other end, and provided with a partition between said ends dividing it into compartments, said partition being supported outside of the rotor for adjustment axially of the rotor, the supporting elements passing through slots in the side walls of the rotor extending parallel to the rotor axis.

2,274,122

TRAVELING REPEAT WELDER

Edward G. Biederman, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 22, 1939, Serial No. 310,596
4 Claims. (Cl. 219—4)



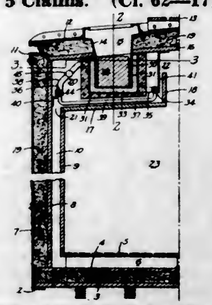
1. In a repeat welding apparatus, the combination of an electrode, a piston connected to the electrode, a cylinder in which the piston reciprocates, means for automatically controlling the supply of fluid to the piston to cause continuous reciprocation of the piston, means for causing the cylinder to travel in a prescribed path, a suspension means for said cylinder, said suspension means having right angularly placed pivots permitting the cylinder to swing in two planes at right angles to each other, means for causing said cylinder and electrode to swing crosswise the path of travel and springs for tending to center the cylinder in its normal position.

2,274,123

REFRIGERATOR

Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Devices Company, a corporation of Delaware

Application November 5, 1938, Serial No. 238,970
5 Claims. (Cl. 62—17)



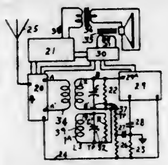
1. In combination with the walls, roof and floor of a refrigerator car, a foraminous rack arranged to support a lading upon said floor and provide a space therebetween, a flue associated with one of said walls and communicating at its lower end with said space, a refrigerant container below said roof, a substantially horizontal partition spaced below said container to provide a duct therebetween arranged to conduct air from said lading compartment to the upper part of said flue, a header disposed substantially parallel with said last mentioned wall on each side of said container, a plurality of spaced apart conduits disposed in said duct substantially parallel with the direction of air flow therethrough, said conduits communicating between said headers, means to utilize a refrigerant in said container to cool a fluid, and means arranged so that said refrigerant induces a circulation of said cooled fluid from one of said headers through said conduits to the other of said headers.

2,274,124

BAND-PASS FILTER COUPLING, COMPENSATING, AND DIVIDING NETWORK

Raymond E. Bowley, San Anselmo, Calif.; Eve Mary Bowley administratrix of said Raymond E. Bowley, deceased

Original application February 5, 1940, Serial No. 317,266. Divided and this application April 26, 1940, Serial No. 331,837
4 Claims. (Cl. 178—7.3)



1. A band-pass filter coupling and compensating network comprising, three resonant circuits inductively coupled in a transformer network forming a primary winding, also forming two secondary windings, each secondary winding having one end thereof connected to a variable biased common transformer secondary intermediate tapping point, one secondary winding being in a signal circuit including a resistance and a variable condenser in parallel connected in shunt with said winding and broadening the band with response of the circuit, the circuit adapted for being tuned to frequencies capable of responding to incoming radio frequency signal frequencies, the other secondary winding being in a cooperative auxiliary resonant circuit including a resistance and a variable condenser in parallel connected in shunt with said auxiliary winding, the auxiliary circuit adapted for being tuned for providing compensation in the associated signal circuit substantially in accordance with a broad band width having a sharp cut-off and at the same time preserving a sufficiently level response over a wide band width, accompanied by increased discrimination against undesired signals on nearby and adjacent channels, the band-pass filter being tuned to pass desired frequencies corresponding to radio frequency signals selected from a plurality of signals within a band of frequencies within the range of the filter, a bias resistance connecting the transformer secondary tapping point to ground, an automatic volume control bias coupling lead connected to the resistance, a by-pass condenser in the band-pass filter and bias network connected in shunt with at least a portion of said coupling resistance and ground, the arrangement tending to compensate for variances in response levels at different frequencies.

2,274,125

REFRIGERATOR SHELF

Clifford R. Carney, Detroit, Mich.

Application April 25, 1940, Serial No. 331,497
1 Claim. (Cl. 211—153)



An article of manufacture comprising spaced substantially parallel retaining rails formed from a relatively hard metal, said rails each having a plurality of longitudinally extending equidistantly spaced openings formed therein, and a plurality of substantially equidistantly spaced cross members formed from a relatively softer metal having their opposite end portions located within said openings and mechanically united to said rails for interconnecting the rails, the initial diameter of said end portions being somewhat greater than that of said openings prior to the mechanical uniting of the parts.

2,274,126

WEIGHT REMOVING PLIERS

Tracy Carrigan, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 1, 1941, Serial No. 400,639
3 Claims. (Cl. 254—131)



3. In an instrument adapted for removing a balance weight from an automobile wheel rim having a tire thereon, said rim having a curved inner surface, said weight comprising a metallic body which is oval or circular in cross section with an arcuate clip substantially conforming to the curved surface of said rim, the combination of: a jaw having an arcuate recess adapted to rest against and conform to said metallic body; a claw adapted to be slipped inwardly between said tire and said clip to permit said claw to operatively engage said clip; and handle means to unite said jaw and said claw whereby said claw may be inserted inwardly as aforesaid by rotation of said jaw said claw and said handle means about the axis of said metallic body with the engaging surfaces of said body and said jaw forming a bearing for said rotation, said jaw also cooperating with said claw when the latter is in operative relation with said clip so that a reverse rotation of said handle means causes the rotation of said balance weight relative to said rim and the removal of said clip from over said rim.

2,274,127

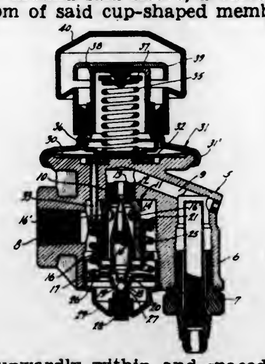
EXPANSION VALVE

Arthur F. Carroll, Milwaukee, Wis., assignor to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 16, 1939, Serial No. 256,644
4 Claims. (Cl. 251—145)

1. In a diaphragm controlled expansion valve, a casing having a recessed chamber extending inwardly from the periphery thereof, said cham-

ber having an inlet opening, a valve seat in said opening, a hollow sleeve extending adjacently from said seat, outlet passages in said sleeve adjacent said seat, a cup-shaped member fitting over and around said sleeve, a valve carried by the bottom of said cup-shaped member and ex-



tending upwardly within and spaced from said sleeve and adapted to engage said valve seat, a spring abutment on the upper edge of said cup-shaped member, a plug for said recessed chamber having a spring abutment fitting within said chamber, and a spring positioned in said chamber and acting between said abutments.

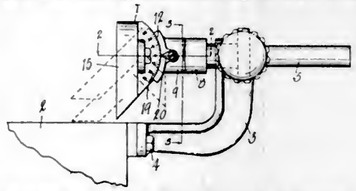
2,274,128
WIRE DEREELING
Penrose Embree Chapman, Jr., St. Louis, Mo.
Application October 1, 1938, Serial No. 232,716
5 Claims. (Cl. 242—128)



1. A device for temporary application to a disc-like head of a spool or the like during an unreeling operation to facilitate the withdrawal of a strand from the spool, said device comprising an annulus of relatively hard material having an outer surface engageable by the strand as it is withdrawn from the spool which surface is smoothly finished to facilitate the sliding of the strand thereover, said annulus having an inner diameter normally slightly less than the diameter of the spool head and the said material of the annulus being resilient, whereby it may be readily expanded to snap upon and embrace the periphery of the spool head and be retained thereon solely by its resilience during an unreeling operation, regardless of the position of the spool, and may be readily removed from said head at the conclusion of such operation, to thereby avoid injury to said smooth strand-engaging surface resulting from handling of the spool at other times.

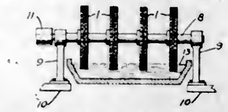
2,274,129
JOINTER FENCE
James G. Collins, Kalamazoo, Mich., assignor to Atlas Press Company, Kalamazoo, Mich.
Application June 7, 1940, Serial No. 339,283
4 Claims. (Cl. 143—170)

1. A fence for jointers or the like, having a work table comprising a rod extending in a plane parallel to the top of the work table, means supporting said rod for rotary and axial movement and for holding it in adjusted position, a crank on said rod, a fence supporting member having a face engaging the free end of said crank and having an arcuate way disposed to support a fence transversely of said rod and pivotally on an axis extending transversely of said rod, a fence having an arcuate slide engageable with said arcuate ways and extending transversely of said rod, said



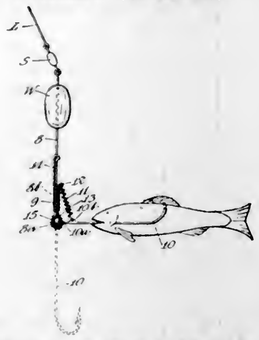
crank and fence supporting member having registering bores extending parallel with said rod and a clamping bolt extending through said bores and serving as a pivot for said fence supporting member and engaging said fence and adapted to clamp said fence, said fence supporting member and said crank together to hold them in adjusted position.

2,274,130
APPARATUS FOR SPINNING FIBERS
Carlton C. Davis, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana
Application December 7, 1939, Serial No. 307,950
8 Claims. (Cl. 83—91)



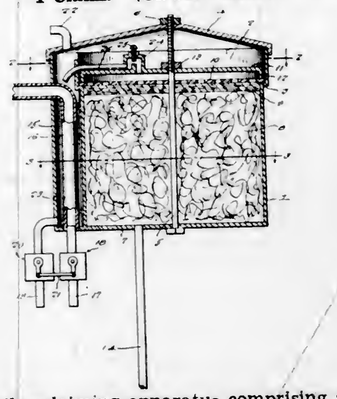
1. A spinning wheel apparatus of the character described, said apparatus including a rotatably mounted wheel having a circumferential spinning surface portion and an inwardly extending spinning surface portion on each side of said circumferential spinning portion, each of said surface portions being provided with numerous inwardly extending cavities adapted to increase the lava retaining capacity of said spinning wheel.

2,274,131
FISHHOOK COUPLING
Elof Oscar Edberg, Willmar, Minn.
Application October 5, 1940, Serial No. 359,918
9 Claims. (Cl. 43—28)



1. The combination with a fishhook having a shank rigidly connected therewith and a fishing line of, a leader link constructed of relatively stiff material, means for connecting said fishhook with said leader link with freedom for relative swinging of said fishhook to vary the angulation of the shank of said fishhook relatively to said link, and yieldable means for normally maintaining said shank in a position angled substantially with reference to said link while permitting said hook to swing to a position substantially aligned with said link when a pull is imposed upon said hook.

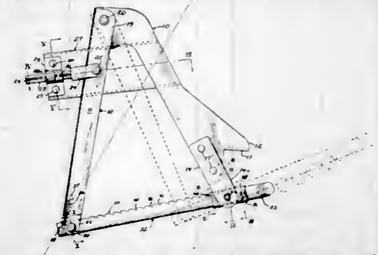
2,274,132
OIL RECLAIMING APPARATUS
Leman Ehlers, Manning, R. F. D., Iowa
Application December 18, 1939, Serial No. 309,885
1 Claim. (Cl. 210—122.5)



An oil reclaiming apparatus comprising a casing having an oil delivery pipe connected with its lower portion, said casing including an enlarged upper portion providing a shoulder, a vertically elongated vaporizing chamber on the casing, said chamber and said casing being open at their tops, a removable closure for the casing extending over the chamber, a vertical bolt in the casing securing the closure in position, a filtering agent in the casing below the shoulder, a perforated retaining plate for the filtering agent mounted on the shoulder in the casing, a cover plate mounted on the bolt beneath the closure, said cover plate including a depending skirt engaged with the perforated plate to space the cover plate above the perforated plate, a retaining nut for the cover plate threaded on the bolt, an oil outlet conduit on the cover plate communicating with the casing below said cover plate for receiving oil therefrom, a manually adjustable control valve in the outlet conduit, a vertical heating pipe in the vaporizing chamber having its upper end extending laterally outwardly of a side wall of the chamber and with its lower end extending through the bottom of the chamber, a trough on the cover plate for conducting the oil from the outlet conduit to the upper portion of the heating pipe and an oil return pipe connected to the bottom portion of the vaporizing chamber.

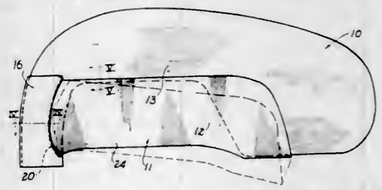
2,274,133
HAND BRAKE LEVER ASSEMBLY
Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 23, 1940, Serial No. 325,521
9 Claims. (Cl. 74—541)

1. A lever construction comprising a support, a lever arranged for pivotal connection to said support to swing, a toothed actuating member, means on said support for pivotally and slidably carrying said actuating member, a pivot pin passing through and connecting said lever to said actuating member for rotational movements



of the latter about its own longitudinal axis and about the longitudinal axis of said pivot pin, and a resilient clutch member being carried at one end by said means and biased of its own accord into engagement with the teeth of said actuating member for holding the latter in an adjusted position.

2,274,134
FENDER AND FENDER SHIELD CONSTRUCTION
Arthur P. Fergueson and George W. Schatzman, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 3, 1941, Serial No. 377,174
6 Claims. (Cl. 280—153)

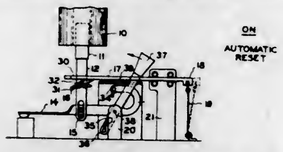


1. A fender having a protective member overlying a portion of the face thereof, and intimately secured thereon, said member having a pair of spaced lips with opposing faces, one of said lips being seated directly on the face of said fender, said lips providing a channel with a longitudinal curved bottom, a portion of said channel being vertically positioned below another portion of said channel.

2,274,135
CIRCUIT BREAKER
William H. Frank and Joseph A. Messing, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application November 6, 1939, Serial No. 302,980
15 Claims. (Cl. 200—89)

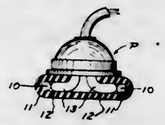
4. In an automatic opening circuit breaker, a stationary contact, a movable contact, a manually operable overcenter spring means including a handle and a spring for moving the movable contact with a spring snap action to and from the stationary contact in response to movements of the handle and arranged to hold the movable contact against the stationary contact when the handle is in circuit closed position and to tend to move the movable contact towards the sta-

tionary contact in the event the movable contact is remote from the stationary contact and the handle is in circuit closed position, and overload responsive means automatically operable on overload for overcoming the spring and moving the movable contact away from the stationary contact without moving the handle from closed circuit position, and for thereafter releasing the



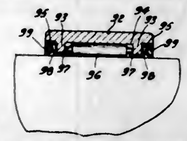
movable contact so that the spring can return it automatically to the stationary contact, the handle and spring being movable manually to a position wherein the spring is rendered incapable of exerting any stress on the movable contact after automatic opening operation, whereby there will not be an automatic reclosing after an overload opening.

2,274,136
CONTINUOUS OUTLET CONSTRUCTION
William H. Frank and Arthur S. Bassette, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application February 17, 1940, Serial No. 319,410
1 Claim. (Cl. 173—334.1)



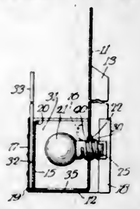
A continuous outlet construction comprising parallel bus bars, a hollow duct having a solid wall and a slotted wall connected at their edges by portions against which are disposed the bus bars, these being laterally remote from the free edges of the duct at the slotted wall, with the clear spaces between the solid wall and the separated parts of the slotted wall, each bounded by a bus bar and a free edge of the duct at the slotted wall, being no greater than the thickness of the bus bar measured in the same direction, in combination with connectors outside the duct and arranged with portions between the free edges of the duct and within the duct slot, and provided with laterally extending contact fingers disposed in and substantially filling the clear spaces aforesaid between the solid wall and the slotted wall of the duct to extend to the bus bars and with their ends engage the bus bars at their facing portions, the lateral distance between the bus bar engaging ends of the contact fingers being greater than the width of the duct slot, the latter being greater than the width of the contact fingers, whereby the connectors and fingers are insertable into the duct slot with the fingers in line with the duct slot and then rotatable 90° so that the fingers assume a position traversing the duct slot and at their ends engage facing sides of the bus bars, the duct providing a bearing and guiding surface for the connectors while they are being so rotated, and continuous insulating shields for the facing surfaces of the bus bars, normally shielding the bus bars and formed to be pierced by the ends of the connector fingers as these are inserted into the duct slot and twisted 90° to engage the bus bars.

2,274,137
BEARING ASSEMBLY
Harold Frauenthal, South Bend, Ind., and Stanley R. Thomas, Lyons, Mich., assignors to Bantam Bearings Corporation, South Bend, Ind., a corporation of Indiana
Application September 14, 1938, Serial No. 229,956
4 Claims. (Cl. 308—187.2)



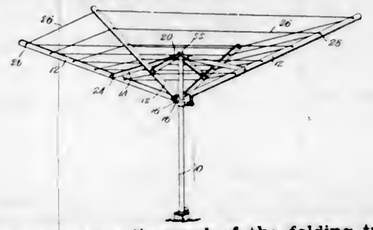
1. A bearing assembly comprising a bearing race having radially inwardly directed axially spaced flanges, the ends of said race extending axially outwardly beyond said flanges, needle bearings of the trunnion type in said race between said flanges, annular grooves in the annular faces of said flanges, retaining means for said bearings comprising metallic bands fitting in said flanges and having spaced punched portions located in said grooves, said bands extending axially inwardly to overhang the trunnion ends of said bearings and having laterally and radially outwardly extending portions, spaced from the outer radial faces of said flanges, and bearing seal members pressed into the overhanging ends of said race outwardly of said flanges and having portions thereof retained against displacement by engagement of said last-named band portions therewith to compress said portions between the outer radial faces of said flanges and said spaced radially extending portions of said bands.

2,274,138
ELECTRIC ILLUMINATING DEVICE
Lloyd A. Gerstenberger, Galesburg, Ill.
Application May 3, 1940, Serial No. 333,168
9 Claims. (Cl. 40—130)



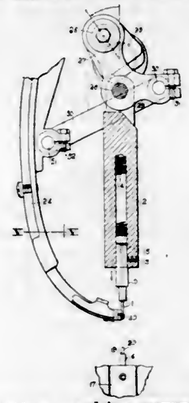
1. In an electric display device a source of light, a back wall rearwardly of said source of light and extending above the same, a front plate extending from said wall around said source of light for forming a casing for concealing the light from the sides and from in front thereof, said wall extending materially above said plate, said casing having its upper portion open and unobstructed through which light rays from said source of light may be projected without obstruction for illuminating said wall above said housing, means for supporting said source of light from said back wall in a plane between the upper and lower edge portions of said front plate, symbols having downward extensions, and means for holding said extensions in contact with said front plate with said symbols extending above said front plate and in front of said source of light and above the horizontal plane thereof, whereby said source of light will illumine the rear faces of said symbols, and said symbols will be silhouetted agains the illuminated back wall when viewed from in front of said housing, said housing having a single opening in its lower portion through which diverging rays of light from said source may be projected for illuminating the space beneath said housing.

2,274,139
CLOTHESLINE REEL
Carl E. Goldthwait and Walter F. Fritz, Melrose, Mass., assignors to Moulton Ladder Manufacturing Co., Somerville, Mass., a corporation of Massachusetts
Application June 22, 1939, Serial No. 280,511
2 Claims. (Cl. 211—178)



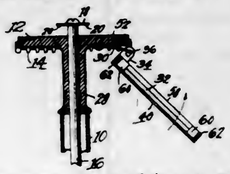
1. In a clothesline reel of the folding type, a tubular metal post, a cap fixed to the top of said post, a slider vertically movable on the post, brace members and clothesline carrying arms pivotally connected to said cap and slider and to each other, said cap and slider comprising metal stampings generally similar in shape, each of said parts being formed with a cylindrical hub portion adapted to engage the post, the hub portion having an outwardly flared portion, a plurality of arms radially extending from the outwardly flared portion of said hub, each of said arms having a pair of parallelly disposed pivot ears extending from the sides of said arms and oppositely directed with respect to said hub portion, and annularly curved vertically directed strengthening ribs extending from the flared portion of said hub intermediate said arms, said ribs merging into the inner ends of the pivot ears to reinforce said pivot ears and said arms.

2,274,140
EYELETING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 2, 1941, Serial No. 386,482
4 Claims. (Cl. 218—15)



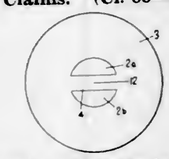
1. An eyeleting machine comprising a plunger, an eyelet-inserting tool carried thereby, said tool having a spindle to impale an eyelet, an eyelet-raceway the delivery end of which is movable to and from the path of said tool, a crank arranged to reciprocate said plunger, a pitman by which said crank and said plunger are connected, and means carried by said pitman for moving said raceway to and fro in cooperative relation to said spindle without lost motion, said means being arranged to utilize the angular movement of said pitman to move the delivery end of the raceway into the path of said tool when said crank is adjacent to its dead-center position at which said plunger is fully retracted.

2,274,141
SAFETY RAZOR
Louis C. Guertin, Worcester, Mass.
Application August 23, 1940, Serial No. 353,909
14 Claims. (Cl. 30—60)



1. A safety razor comprising a pair of blade clamping members, a spring attached to one member, and the other member being pivoted on said spring.

2,274,142
MULTIFOCAL OPHTHALMIC LENS
Lowell L. Houchin, Columbus, Ohio, assignor to The Revalens Co., Columbus, Ohio, a corporation of Ohio
Application January 15, 1940, Serial No. 313,871
3 Claims. (Cl. 88—54)

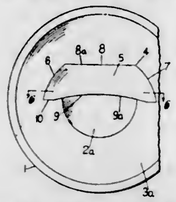


1. A multifocal ophthalmic lens blank formed from a single piece of glass of substantially the same index of refraction throughout, said blank having an inner area of a predetermined lesser curvature and an outer area of a predetermined curvature formed on one surface thereof, said inner area having an elongated cavity formed therein, the long boundaries of the cavity lying within the boundaries of the inner area, the radius of curvature of the bottom of the cavity being shorter than that of the surface of the inner area so that there will be shoulders formed at both side edges of said cavity and the ends of said cavity will substantially merge with the surface adjacent thereto.

2,274,143
MULTIFOCAL OPHTHALMIC LENS
Lowell L. Houchin, Columbus, Ohio, assignor to The Revalens Co., Columbus, Ohio, a corporation of Ohio
Application November 9, 1940, Serial No. 365,052
5 Claims. (Cl. 88—54)

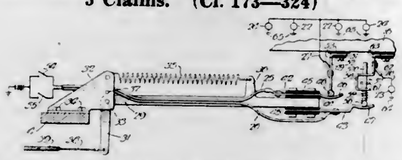
1. A multifocal ophthalmic lens blank formed from a single piece of glass of substantially the same index of refraction throughout, said blank

having a major optical surface formed on one side thereof of a suitable curvature, an elongated cavity formed in such surface, the radius of curvature of the bottom of said cavity being shorter than that of the adjacent surface so that the ends of said cavity will substantially merge with the adjacent surface but there will be shoulders formed along both its top and bot-



tom edges, and a cavity formed in said major surface directly below said elongated cavity and having its upper boundary line coinciding with the shouldered lower boundary line of said elongated cavity, the bottom surface of said last-named cavity being disposed at a higher level than that of the elongated cavity so that the dividing line between the two cavities is shouldered.

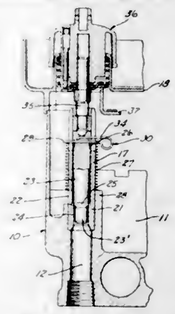
2,274,144
ELECTRICAL CONNECTOR FOR ARTICULATED TRUCKS
Frederick W. Ilseman, Aurora, Ill.
Application April 18, 1941, Serial No. 389,105
5 Claims. (Cl. 173—324)



1. In an articulated truck comprising a power section and a trailer section pivotally connected to said power section to swing about a vertical axis, the combination of a plurality of sets of brackets secured to and insulated from said trailer section, an arcuate terminal carried by each set of brackets, at least one of said terminals being spring pressed downwardly, said terminals being on arcs of concentric circles about said pivot as a center, a bracket carried by said power section, an arm pivoted to said last named bracket, electric terminals carried by said arm and contacting said arcuate terminals, respectively, a spring for elevating said arm for bringing the terminals carried thereby into electrical contact with said arcuate terminals, respectively, and means extending forwardly from said arm for lowering said arm.

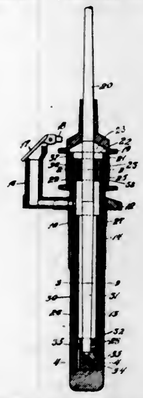
2,274,145
TEMPERATURE COMPENSATING METERING VALVE
Roy W. Johnson, Milwaukee, Wis.
Application July 22, 1940, Serial No. 346,751
5 Claims. (Cl. 137—21)

3. A control device of the character described comprising a casing having a liquid supply chamber provided with an outlet, a metering valve for regulating flow through said outlet, means for biasing said valve to open position, a horizontally disposed U-shaped bimetallic element having its lower leg secured to the upper end of the valve, and an operator for the valve coacting with the upper leg of said U-shaped bimetallic element, said operator being movable



to close said valve against force of said biasing means.

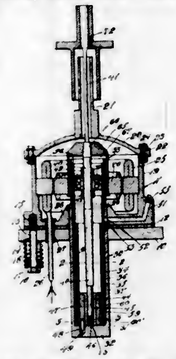
2,274,146
SPINDLE MOUNTING
Francis E. Kelley, Providence, R. I., assignor to Easton and Burnham Machine Company, a corporation of Rhode Island
Application October 3, 1936, Serial No. 103,857
8 Claims. (Cl. 308—150)



1. In combination, a spindle blade, a bolster casing, a plurality of bolsters in said casing, a pair of spaced bearing members for said blade, one of said bearings being secured in the upper part of the outer bolster and the other bearing being secured at the lower portion of the inner bolster, said bolsters being fitted one within another in spaced relation and located in said casing spaced therefrom each movable relative thereto and with their lower ends resting on the inner bottom surface of said bolster case.

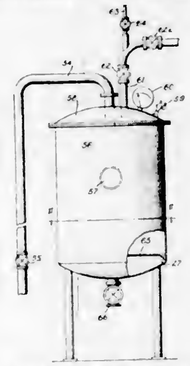
2,274,147
MOTOR POT SPINDLE
Francis E. Kelley, Providence, R. I., assignor to Easton and Burnham Machine Company, a corporation of Rhode Island
Application June 14, 1937, Serial No. 148,093
7 Claims. (Cl. 308—169)

1. In combination, a spindle blade, a bolster casing, a plurality of bolsters in said casing, a pair of spaced bearing members for said blade, one of said bearings being secured in the upper part of the outer bolster and the other bearing being secured at the lower portion of the inner bolster, said bolsters being fitted one within another in spaced relation and located in said casing and spaced therefrom and each movable relative thereto, and an electric motor having a field and an armature, said armature mounted about



said upper bearing to cause rotation of said spindle when the field is energized, said upper bearing for said spindle being mounted within said armature.

2,274,148
METHOD OF TREATING LIQUID EGG MATERIAL
Frank B. Lomax, Chicago, Ill.
Application April 3, 1939, Serial No. 265,860
3 Claims. (Cl. 99—113)



3. The method of treating liquid egg material, which comprises introducing the liquid egg material into a confined area above a filtering barrier therein, and introducing gas under pressure into said area above the level of said egg material, whereby to force the said egg material through said barrier.

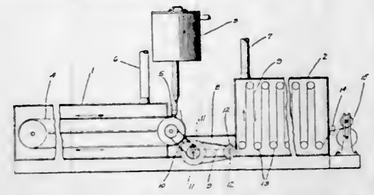
2,274,149
TELEVISION ANTENNA
Harry R. Lubcke, Hollywood, Calif., assignor to Don Lee Broadcasting System, Los Angeles, Calif., a corporation of California
Application October 25, 1941, Serial No. 416,435
12 Claims. (Cl. 250—33)

1. A broad-band antenna system comprising: a group of radiating elements having a greater cross-sectional surface area at the extremities than at the center thereof, said elements being approximately one-half wavelength long, spaced approximately parallel one-half wavelength apart, and being conductively coupled one to the other; and a second group of similar elements similarly spaced and not conductively coupled



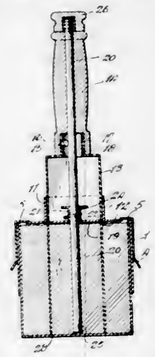
one to the other, located approximately three-sixteenths wavelength from the first said group.

2,274,150
MANUFACTURE OF RUBBER HYDROCHLORIDE FILMS
Gordon C. Mack, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 9, 1937, Serial No. 163,085
4 Claims. (Cl. 18—57)



1. The method of producing rubber hydrochloride film which comprises casting rubber hydrochloride cement on a continuous surface, evaporating a part of the solvent from the cement while on said surface and thereby removing sufficient solvent to obtain a self-supporting film, removing the film from said surface, stretching the film to increase its area at least one hundred per cent and then removing the balance of the solvent.

2,274,151
CORE MAKING AND FILLING DEVICE
Robert C. McCoy, Madison, Wis.
Application June 19, 1941, Serial No. 398,722
10 Claims. (Cl. 107—1)



1. In a device of the class described, the com-

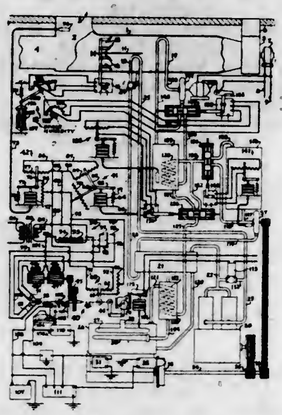
bination of a housing adapted to telescope and embrace the open end of an ice cream container, a die member movable relative to said housing adapted to enter said container, a plunger movable in said die member, said plunger including a head and a rod, and a detachable connection between said head and said rod whereby said die member and said rod may enter the ice cream in said container independently of said head and thereafter said rod may be withdrawn before said die member from the ice cream.

2,274,152

AIR CONDITIONING SYSTEM

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 16, 1937, Serial No. 154,026
28 Claims. (Cl. 257—3)



1. In a system of the class described, in combination, a cooling device, means for supplying a cooling medium to said cooling device including a compressor, means for graduatingly varying the output of said compressor, control means influenced by the temperature of said cooling device for controlling said varying means to vary compressor output for maintaining the temperature of the cooling device substantially constant, means responsive to a cooling load affecting condition for adjusting said control means for determining the cooling action maintained thereby, and means actuated with said compressor output varying means and arranged to place said compressor out of operation when said varying means reduces the operation of said compressor to a predetermined minimum value.

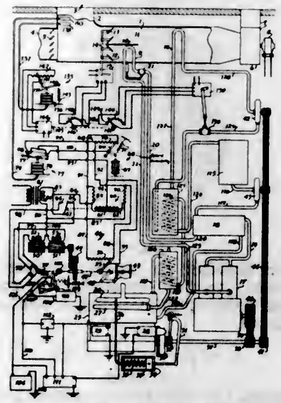
28. In an air conditioning system, in combination, a conditioning chamber, means for passing air to be conditioned through said chamber and to a space to be conditioned, a cooling and dehumidifying device in said chamber for cooling the air passing therethrough, means responsive to the temperature of the air in the space being conditioned for operating said device when the space temperature becomes too high whereby the air is cooled, a reheater in said chamber, means responsive to the relative humidity of the air in the space for operating said reheater to raise the temperature of the air upon increase in humidity, and other temperature responsive means in control of said reheater to reduce its heating effect, irrespective of the value of the relative humidity, if such reheating causes the temperature of the air to be increased too much.

2,274,153

AIR CONDITIONING SYSTEM

Leo B. Miller, Hartsdale, N. Y., William L. McGrath, St. Paul, Minn., and John E. Haines, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 16, 1937, Serial No. 154,025
23 Claims. (Cl. 62—6)



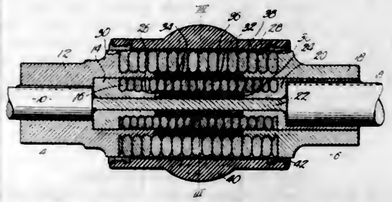
12. In an air conditioning system, in combination, a cooling device through which air in a space is adapted to be passed for a conditioning action, means for supplying cooling fluid to said cooling device comprising a mechanical refrigeration system including a compressor, a variable speed internal combustion engine for driving said compressor at varying speeds, a speed controller for said engine, automatic starting mechanism for said engine, said automatic starting mechanism having a control switch, a motor for actuating said speed controller and said control switch and means including a device responsive to the relative humidity in said space for determining the position assumed by said motor.

2,274,154

UNIVERSAL JOINT

Benjamin T. Morgan and Albert K. A. Christian, Kansas City, Mo.; said Christian assignor to said Morgan

Application April 29, 1940, Serial No. 332,256
9 Claims. (Cl. 64—15)



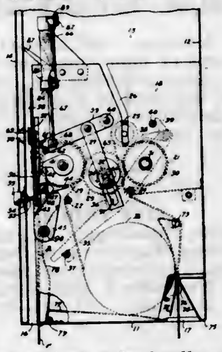
1. A joint of the character described comprising a pair of spaced apart heads adapted respectively to engage a source of power and the work; a plurality of coil springs in telescoped relation having their ends secured to the heads and maintaining the same in spaced apart relation; the outside diameter of the inner spring being smaller than the inside diameter of the outer spring whereby to provide a space between adjacent springs; and a filler of resilient material in said space.

2,274,155

TOWEL CABINET

Lawrence F. Mustee, Cleveland, Ohio, assignor of one-half to Leonard Smith, Cleveland Heights, Ohio

Application October 31, 1936, Serial No. 108,623
25 Claims. (Cl. 312—38)



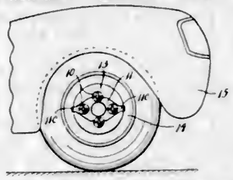
1. In a towel cabinet, a feed roll and an intake roll to engage a web of toweling, a gear fixed to each of said rolls, an intermediate gear normally meshing with each of said gears to synchronize the rolls, means to restrict the rotation of the intake roll to a single direction, locking means for preventing withdrawal of toweling, releasing means for permitting the withdrawal of a predetermined length of toweling, and means for disengaging one of said gears and the intermediate gear whereby the rolls may be independently rotated.

2,274,156

BELL ATTACHMENT FOR VEHICLE WHEELS

Alfred J. Nielsen and Edwin Eliason, Luck, Wis.

Application March 27, 1940, Serial No. 326,262
5 Claims. (Cl. 116—170)



1. A noise-making device for wheeled vehicles comprising, a bell-supporting member of generally cup-shaped form to fit against the outer side of the hub portion of a vehicle wheel in concentric relation therewith, bands of bendable but relatively rigid material swingably connected to and extending generally outwardly of respective points on the marginal portion of said member for use in attaching said member to a wheel in said relation therewith, and a plurality of bells connected to said member at symmetrically disposed respective points thereon.

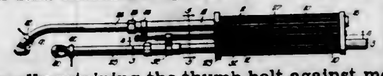
2,274,157

CARBON HOLDER FOR ELECTRIC ARC WELDING DEVICES

Clayton P. Nielsen, Chicago, Ill.

Application December 4, 1939, Serial No. 307,377
4 Claims. (Cl. 219—14)

3. In a device of the class described an electrode holding means comprising two tips or the like respectively carried by conducting means such as a conducting tubular member and a longitudinally movable conducting member and means operable to hold the electrodes in predetermined position with respect to each other for normal welding operation using an arc, said means comprising a thumb bolt or the like having a portion such as a groove, and likewise comprising an automatic catch, which cooperates with said thumb bolt portion such as the groove



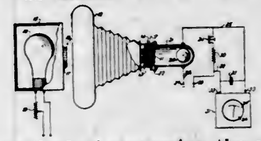
normally retaining the thumb bolt against movement with respect to the catch and thus maintaining the electrodes carried by the electrode holding means in normal operating position, and means on the thumb bolt or the like, such as a spring, operable to move the above-mentioned electrodes apart breaking the arc upon release of the catch means abovementioned.

2,274,158

TIMING DEVICE AND METHOD

Carl Joseph Penther, Oakland, Calif.

Application April 13, 1940, Serial No. 329,540
11 Claims. (Cl. 88—14)



9. The method of measuring the period of a relatively short current flow from a source, which comprises causing current to flow continuously from said source, passing said current flow through a resistance to develop a voltage drop therein, measuring said voltage drop on a predetermined fixed scale, adjusting said source to bring said voltage drop to a predetermined scale value, accumulating the current flow from the adjusted source during the period of the short current flow to be measured, developing a voltage from said accumulated current, and measuring said latter voltage on said predetermined scale.

2,274,159

CIRCUIT BREAKER

Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application February 10, 1940, Serial No. 318,270
13 Claims. (Cl. 200—172)



6. Adjacent exposed switch handles having forwardly open aligned grooves with undercut ends, and tie means in said grooves, with its ends in the undercut ends of the grooves so that the tie means is interlocked against forward removal accidentally from the grooves.

2,274,160

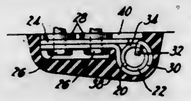
CLOSURE CONSTRUCTION

Howard C. Porter, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware

Application January 18, 1941, Serial No. 374,976
5 Claims. (Cl. 16—148)

1. A hinge composed of inner and outer gen-

erally cylindrical portions journaled one on the other, the inner cylindrical portion having an end-extension thereon, the outer surface of which is substantially semicylindrical in form, the edges of said end-extension forming abutments, the



outer generally cylindrical portion having a lug thereon extending within the plane of the external wall of the inner cylindrical portion and adapted to engage one of said abutments to limit the swing of the outer portion of the hinge on the inner portion thereof.

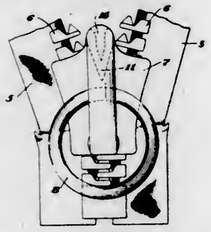
2,274,161

MOLDED SLIDER FOR SLIDE FASTENERS

Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application June 30, 1938, Serial No. 216,729

3 Claims. (Cl. 24—205)



1. A molded non-metallic plastic slider for slide fasteners comprising top and bottom wings, an integral wing connecting neck extending from one end well into the wings, said neck having a molded-in recess of a length at least half as great as the length of the neck.

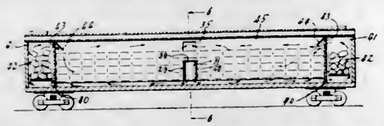
2,274,162

METHOD AND APPARATUS FOR PRECOOLING FREIGHT CARS

Andrew Y. Preble, El Centro, Calif.

Application December 6, 1940, Serial No. 368,827

8 Claims. (Cl. 62—24)



1. A method of precooling a freight car having ice bunkers at its ends, a grating false bottom, a doorway on the side, and with a lattice-form gate located toward each side of the doorway for retaining the portion of the load between that gate and the corresponding ice bunker, which consists in providing a substantially fluid-tight covering for the lattice gates; placing a substantially horizontal dividing wall located at about the upper edge of the gates, extending transversely within the car body opposite the doorway; and circulating a cooling fluid into the car in the space on one side of the said horizontal division wall, and withdrawing the cooling fluid from the space on the other side of the horizontal division wall.

2,274,163

LUMINESCENT MATERIAL

Ronald Puleston, London, and Stanley Thomas Henderson, Iver, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

No Drawing. Application February 7, 1939, Serial No. 255,058. In Great Britain February 8, 1938

9 Claims. (Cl. 250—81)

1. The steps of improving luminescent material, which comprise adding the luminescent material to be improved to a solution of a silicate salt, and thereafter precipitating silica out of said solution upon the added luminescent material.

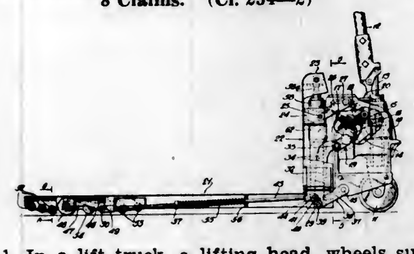
2,274,164

LIFT TRUCK

George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application November 4, 1939, Serial No. 302,897

8 Claims. (Cl. 254—2)



1. In a lift truck, a lifting head, wheels supporting said lifting head, an elevating platform, wheel supporting links pivoted to the rear end of said platform, supporting means securing the front end of said platform to the lifting head whereby to form an assembled truck, rods connecting said rear wheel supporting links to said supporting means, means on said lifting head for moving said platform upwardly relatively to said lifting head and through said supporting means and thereby to effect a movement of both said supporting means and said rear wheel supporting links whereby to lift simultaneously both ends of said platform, and springs for resisting movement of said platform relatively to said head mounted about said rods, whereby application of lifting pressure to the said platform other than through said lifting head means will merely tilt said platform and lifting head as a unit about the wheels supporting said lifting head.

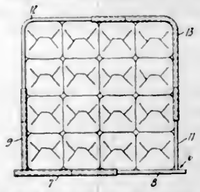
2,274,165

DISPLAY RACK

Clarence L. Ritzau, Redwood City, Calif.

Application November 14, 1939, Serial No. 304,306

1 Claim. (Cl. 211—49)



A display rack adapted to encompass a plurality of loves of bread comprising a pair of telescoping horizontal base members of substantially the same transverse section and having a flat lower face of predetermined width so that said members serve as a stable supporting base, and vertically and horizontally telescoping members of substantially less than said predetermined width upstanding at points spaced from the ends of said pair of base members and with said base members forming a vertically self-supporting variable sized enclosing frame.

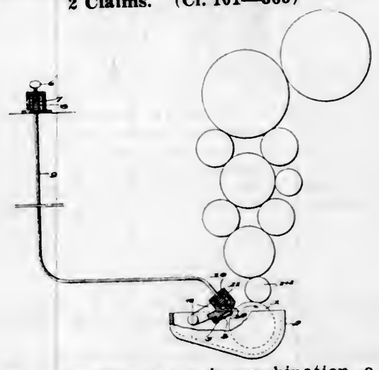
2,274,166

BLADE ADJUSTING MECHANISM FOR PRINTING PRESSES

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application February 1, 1940, Serial No. 316,820

2 Claims. (Cl. 101—365)



1. In a printing press, in combination, a distributing roll, a fountain bowl, a fountain roll mounted therein, a fountain back, a casing carried by the fountain back, a flexible blade secured thereon adapted to contact with the fountain roll, of a bellows arranged in said casing and a pin actuated by said bellows for contacting the blade, a housing located at a point remote from the press, a bellows therein, a conduit connecting the bellows in the casing and in the housing, and means for compressing the housing bellows and forcing the air therein and in the conduit into the casing bellows and expanding same to force the pin against the blade and thereby adjust the space between the longitudinal free edge of the blade and the fountain roll.

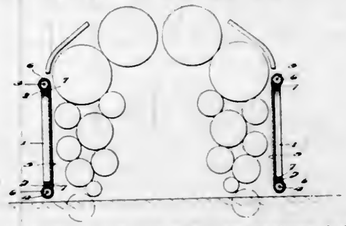
2,274,167

PRINTING PRESS

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application April 12, 1941, Serial No. 388,312

13 Claims. (Cl. 101—349)



1. In a printing machine including ink distributing mechanism, means for collecting the ink mist created by the rapidly rotating ink distributing mechanism within the proximity of the ink distributing mechanism, said means comprising a sheet of absorbent material capable of absorbing and retaining a substantial amount of the ink mist located outside of the ink distributing rolls and enclosing the ink distributing mechanism.

2,274,168

DRAW WORKS

Charles C. Scharpenberg, Bakersfield, Calif.

Application July 16, 1940, Serial No. 345,735

4 Claims. (Cl. 254—145)



1. In a hoisting apparatus for deep well drilling rigs, a derrick, a main crown block thereon, a main traveling block, a cable having a movable forward end portion reeved through said main blocks and an anchored rear end, driving means for said cable comprising two parallel drums each having a circular peripheral groove, the groove of one drum being offset laterally with respect to the groove of the other drum, said cable being passed around the two drums in a bight embracing a portion of the groove of one drum and a portion of the groove of the other drum, an auxiliary crown block mounted on the derrick, and a weighted auxiliary traveling block, the portion of the cable between its anchored rear end and said driving means being reeved through said auxiliary blocks, the auxiliary traveling block moving in directions opposite to the movements of the main traveling block and storing and paying out cable as said main traveling block is raised and lowered.

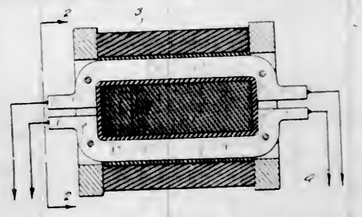
2,274,169

MULTIPLE SPOT WELDING

Robert Schiff, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 22, 1940, Serial No. 314,955

2 Claims. (Cl. 171—97)



1. In an electrical energy distribution system,

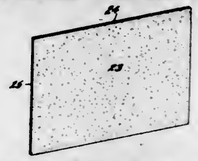
the combination of a plurality of load devices and a transformer serving the devices having a primary circuit and having a secondary divided into fractional turns and a set of companion devices connected to the adjoining ends of the fractional turns at each split.

2,274,170

HAIR WAVING DEVICE AND PROCESS

Sinclair G. Stanley, Chicago, Ill.

Application July 8, 1941, Serial No. 401,443
10 Claims. (Cl. 132—36.2)



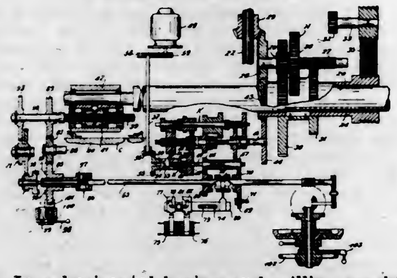
1. As a new article of manufacture a hair curling and setting pad composed of a single sheet of paper pulp saturated with a treating solution.

2,274,171

HORIZONTAL BORING AND MILLING MACHINE

Hallis N. Stephan, Cleveland Heights, Ohio, assignor to The Lucas Machine Tool Company, Cleveland, Ohio, a corporation of Ohio

Application March 7, 1941, Serial No. 382,204
5 Claims. (Cl. 10—154)



5. In a horizontal boring and milling machine of the character described, the combination of a vertically movable spindle head, a horizontal tool spindle rotatably supported in said spindle head, means for rotating said tool spindle, means including a normally engaged toothed clutch having two alternative engageable positions for moving said tool spindle axially, means for driving one element of said clutch from said tool spindle at one-half the spindle speed, means including an electric motor for driving the other of said clutch elements at a relatively fast speed, means for automatically disengaging said clutch upon actuation of said electric motor, and means for again engaging said clutch automatically upon deenergization of said electric motor.

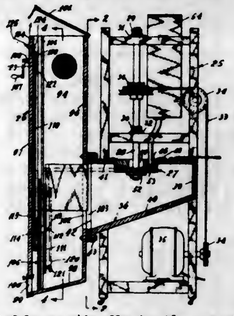
2,274,172

SAND BLASTING MACHINE

Murray T. Swisher, Clairton, Pa.

Application April 6, 1940, Serial No. 328,301
3 Claims. (Cl. 51—9)

2. In an abrading machine, a frame, a housing in said frame open at its front end, a shaft rotatably mounted in said frame and entering the housing, an impeller in said housing actuated by said shaft, a sand box mounted in said frame and having an outlet tube for delivering sand to the impeller wheel, a work chamber disposed vertically in front of said frame and having its rear wall secured to the front end of said housing and formed with an inlet registering with the open end of the housing for discharge of a sand blast from the housing into the work chamber, a



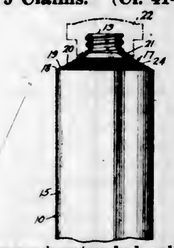
support shiftable vertically in the work chamber, a work holder carried by the support and rotatable about a horizontal axis, means for shifting the support vertically, and means for imparting partial turns to the work holder in step-by-step movements during vertical movement of the support.

2,274,173

COLLAPSIBLE TUBE

George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application May 28, 1940, Serial No. 337,590
5 Claims. (Cl. 41—10)



1. In an impact extruded collapsible tube having a body portion and a neck joined by a shoulder, an outer discontinuous surface on the shoulder consisting of a series of spaced and coaxial lustrous and reflecting conical surfaces each tapering toward a different apex and each substantially free of die markings and being smooth and reflecting in the extruded state of the tube, and a series of coaxial cylindrical surfaces coaxial with the conical surfaces and each joining the inner edge of one conical surface to the outer edge of the adjacent conical surface and forming sharp corners at said edges, said tube and surfaces being formed by a single operation.

2,274,174

CLUTCH MEMBER

Ernest E. Wemp, Detroit, Mich.

Application July 21, 1939, Serial No. 285,639
15 Claims. (Cl. 192—68)

1. A clutch member comprising, a hub, friction material for engagement with clutch members and arranged to extend radially inwardly of the clutch members, means secured to the hub and overlapping and frictionally engaging substantially the radially inwardly extending part of the friction material, and means including yielding



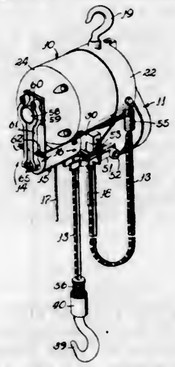
means establishing a torque-transmitting connection between the friction material and the said means secured to the hub.

2,274,175

ELECTRIC HOIST

Preston Whitcomb, Buffalo, N. Y., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey

Application September 6, 1938, Serial No. 228,509
8 Claims. (Cl. 172—179)



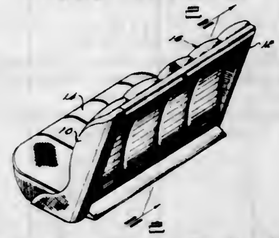
1. An electric hoist comprising, in combination, a single phase alternating current motor embodying a main winding and an auxiliary starting winding, a rotatable hoisting member operatively connected in driven relation to said motor, a releasable brake for holding said hoisting member against rotation, means including a reversing controller for said motor movable from a neutral position alternatively to hoisting or lowering positions for respectively open circuiting said motor and energizing the same with a voltage of correspondingly reversed instantaneous polarity, said controller being movable from hoisting to lowering position and vice versa with a period of dwell in said neutral position during which said motor is deenergized, a speed responsive switch for rendering said starting winding inoperative when said motor is rotating at a speed in excess of a predetermined value, and means operable in response to the movement of said controller from hoisting to lowering position or vice versa for fully applying said brake during substantially all of said period of dwell to reduce the speed of said motor to a point below said predetermined value, whereby said switch is closed during said period of dwell for energization of said starting winding to make possible reversal of said motor.

2,274,176

SEAT CONSTRUCTION

Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application September 13, 1937, Serial No. 163,535
2 Claims. (Cl. 155—179)



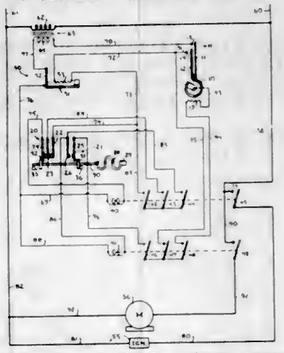
1. A back rest cushion construction for the forwardly arranged seat of a seating arrangement in which one seat structure is arranged directly behind another seat structure and faces in the same direction, comprising an open border frame, forwardly arched spring elements spanning said border frame and having their ends secured to said border frame, upholstered cover material curved to the shape of said arched spring elements and fitted over both the front and the rear face thereof, and means securing the cover material to the spring elements whereby the cover material on each face of the spring elements conforms closely thereto, said structure providing a rearwardly opening, forwardly curved recess in said back rest to supply additional leg room for a person seated to the rear thereof.

2,274,177

FUEL BURNER CONTROL SYSTEM

John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

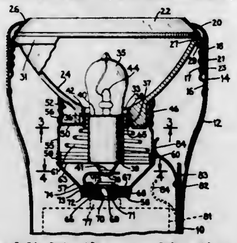
Application December 9, 1940, Serial No. 369,241
5 Claims. (Cl. 158—28)



1. A fuel burner control system comprising in combination, an electrical fuel feeding device, first and second relays, a normally closed safety switch in control of said relays, an actuator which when energized for a predetermined period of time causes said safety switch to open, a circuit for said first relay including a main switch and said safety switch actuator, a circuit for said second relay including said main switch, said safety switch actuator and a switch which is closed

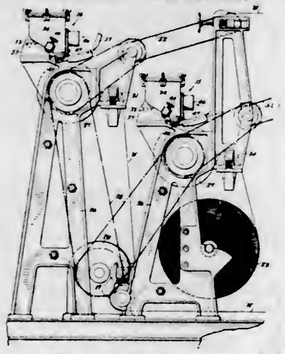
when said first relay is energized, means actuated by said second relay upon energization for rendering said electrical fuel feeding device operative to deliver fuel to a point of combustion, means establishing a shunt circuit around said first relay switch whereby said second relay will remain energized independently of said first relay, and means opening the circuit to the first relay and safety switch actuator in response to the establishment of combustion.

2,274,178
FLASHLIGHT
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application December 21, 1937, Serial No. 180,949
12 Claims. (Cl. 240—10.6)



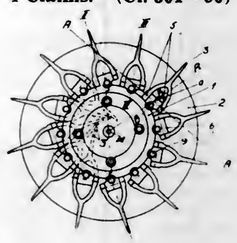
1. In a flashlight, the combination with a reflector formed with an aperture axially thereof, a shoulder about the aperture, a lamp in the aperture having a base and peripheral flange on the base in engagement with the shoulder, yielding means urging the flange against the shoulder, means supporting the yielding means comprising a cup shaped conductive male member carried with the reflector, a cup shaped conductive female member removably secured thereto, said yielding means comprising a coil spring whereof lowermost coils of greater diameter are seated in a groove formed in the female member and whereof the upper coils thereof of lesser diameter engage the flange on the lamp base and a central battery contact member carried with the female member but insulated therefrom.

2,274,179
APPARATUS FOR COATING, PRINTING, AND TREATING SHEET MATERIAL
Marcellus Earle Wysong, New York, N. Y., assignor to Glady Handy Wysong, New York, N. Y.
Application May 5, 1939, Serial No. 271,923
4 Claims. (Cl. 91—30)



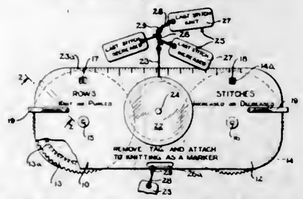
1. A film casting unit for webs of paper and the like comprising a reservoir for liquids having a discharge orifice, means for guiding the web to receive liquid flowing from said orifice to form a film on said web, means for positioning said reservoir in relation to said web to gage the thickness of said liquid film upon said web, and means for flattening the mentioned liquid film, said film flattening means comprising air suction conduits including an adjustable shoe overstanding the cast film.

2,274,180
TRACTION WHEEL
Josef Zahradnik, Stuttgart-Korntal, Germany, assignor to Dr. Ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application April 8, 1939, Serial No. 266,715
In Germany April 13, 1938
4 Claims. (Cl. 301—50)



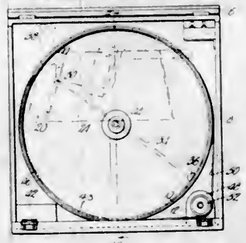
1. A traction wheel, ground engaging means mounted on said wheel, a split journal attached to said wheel, the axis of which extends at an oblique angle to the radius of the wheel extending through the center of the journal, a traction cleat having a member connected thereto for rotation in said journal, whereby said traction cleat may be swung to engaging and disengaging position with said ground engaging means, and mean for clamping said split journal to hold said traction cleat in its engaging and disengaging positions.

2,274,181
KNITTING DEVICE
Marian H. Ariani, Brooklyn, N. Y.
Application January 18, 1940, Serial No. 314,437
4 Claims. (Cl. 66—1)



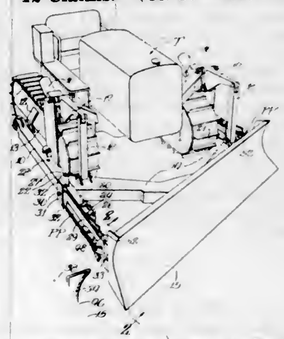
1. In a device adapted to facilitate knitting, supporting means, a pair of manually rotatable dials mounted in said supporting means, said dials being adapted to indicate the number of times that stitches have been added or decreased and the number of rows of finished knitting, a pivotal member for each of said dials, said member being adapted to fix said dial against movement, indicating elements detachably mounted on said supporting means, and means on said elements whereby the latter are adapted for ready removal and attachment to the knitting to mark certain stitches.

2,274,182
MOVING LUMINESCENT SCREEN OSCILLOGRAPH
Graham Asher and Frank E. Hoecker, Kansas City, Mo.
Application November 21, 1938, Serial No. 241,572
2 Claims. (Cl. 128—2.06)



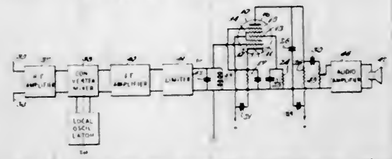
1. A moving luminescent screen oscillograph for electrocardiographs, having apparatus for amplifying voltage, comprising a portable case provided with a viewing aperture; an endless luminescent screen movably mounted within the case; a source of light in the case; a mirror galvanometer electrically connected to the amplifying apparatus of the associated electrocardiograph; a lens between the luminescent screen and said galvanometer to concentrate and direct the light beam from the mirror of the galvanometer onto the endless luminescent screen; and means for driving the said screen, said endless luminescent screen being a dish-shaped drum pivotally supported at its axis, and having a coating of luminescent material over the inner annular face of the side thereof, said source of light, the galvanometer and the said lens being grouped within a space circumscribed by the side of said drum, said case having a shield therein between the viewing aperture and the side of said drum to confine the operator's view to but a relatively small portion of the coated face of the drum during any one time.

2,274,183
PUSH POLE STRUCTURE
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application January 27, 1941, Serial No. 376,040
12 Claims. (Cl. 37—144)



11. In a push pole structure, a first member adapted to be secured to a tractor or the like and including a vertical plate having vertically spaced notches in its forward end, a second member pivoted to said first member, a third member cooperating with said notches and with said second member to retain said first and second members in relatively fixed positions with respect to each other, said second member being freely movable relative to said first member when said third member is in a non-coacting position with respect to said notches, and means to secure said second member to a roadbuilder blade or the like.

2,274,184
PHASE AND FREQUENCY VARIATION RESPONSE CIRCUIT
Henry M. Bach, Woodmere, N. Y., assignor to Ratio Patents Corporation, a corporation of New York
Application June 12, 1940, Serial No. 340,053
5 Claims. (Cl. 250—27)



1. In a frequency variation response circuit, the combination with a source of alternating potential, of a piezo-electric crystal, the relative frequency of said alternating potential with respect to a resonating frequency of said crystal being variable, an electron discharge tube having means comprising a cathode and a positively biased electrode for producing an average electron space current of predetermined value, means including circuit connections from said source to said tube to cause fluctuations of said space current in accordance with said alternating potential, a control electrode adapted to vary said space current in accordance with an electric potential difference applied therebetween and said cathode, means for producing a concentrated electron space charge adjacent to said control electrode, further means for connecting said piezo-electric crystal to said control electrode and cathode, an impedance element pervious to direct current arranged in shunt relation to said crystal, said impedance element being designed to offer high impedance to alternating current to cause the average space current to increase and decrease in proportion to the relative increase and decrease, respectively, of the frequency of said alternating potential with respect to the resonating frequency of said crystal, an output circuit for said tube, and means operatively associated with said output circuit for developing energy having an amplitude varying proportionately to the average space current variations of said tube.

2,274,185
POLISHING WHEEL
Henry R. Benbow, New Hartford, N. Y., assignor to Divine Brothers Company, Utica, N. Y., a corporation of New York
Application September 7, 1940, Serial No. 355,835
3 Claims. (Cl. 51—193)

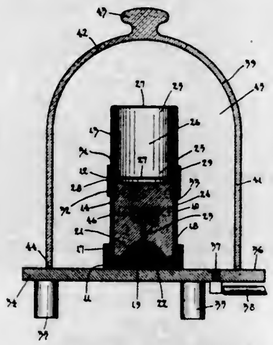
1. A polishing wheel comprising two sets of exterior sections and therebetween a plurality of interior sections, all said sections being composed of several layers of polishing wheel material laid face to face, each of the exterior sections being circular and composed of a whole disc of said material and of a plurality of segment-shaped pieces of said material having a similar circumference and with their chords parallel but with the segments of progressively less

width measured transversely of their chords, said exterior sections being wedge-shaped in section transversely of the chords, the two sets of exterior sections being arranged to have their



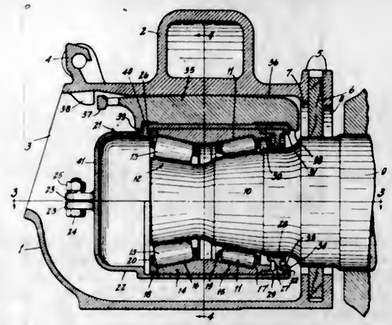
thicker portions at diametrically opposite parts of the wheel, all the sections being fastened closely together so that all the faces between adjacent sections are parallel plane surfaces at acute angles to the exterior surfaces of the wheel.

2,274,186
METHOD OF AND APPARATUS FOR INVESTING PATTERNS UNDER VACUUM
Charles Harold Brace, Minneapolis, Minn., assignor to General Refineries, Inc., Minneapolis, Minn., a corporation of Minnesota
Application December 9, 1940, Serial No. 369,143
14 Claims. (Cl. 22—113.1)



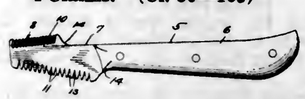
1. Molding apparatus for investing patterns under vacuum comprising a flask open at its ends, and adapted to receive a quantity of investment sufficient to invest the pattern; a base attached to said flask and closing the lower end thereof, means carried by the base for supporting the pattern and forming a sprue leading to the mold cavity, a flask extension superimposing said flask and open at its ends, said flask extension forming an ebullition chamber communicating with said flask, and having a capacity sufficient to receive a portion of the contents of the flask during ebullition, and a coupling connecting said extension to said flask.

2,274,187
ROLLER BEARING AXLE CONSTRUCTION
Tracy V. Buckwalter, Massillon, and William P. Cox, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 26, 1941, Serial No. 412,354
5 Claims. (Cl. 308—180)



1. A car axle construction comprising an axle having a tapering raceway portion and a reversely tapering raceway portion adjacent thereto and outwardly thereof, a journal box into which said axle extends, tapered bearing rollers on said tapering raceway portions of said axle, a double bearing cup having raceways for the respective rollers, a bearing housing in which said bearing cup is mounted, and a wedge member interposed between said housing and the top of said journal box, said wedge having downwardly extending projections at its ends for cooperation with the ends of said housing, and said wedge and said journal box having cooperating lugs on their sides.

2,274,188
STRIPPING KNIFE
Allan M. Campbell, Detroit, Mich.
Application May 5, 1941, Serial No. 392,013
4 Claims. (Cl. 30—165)

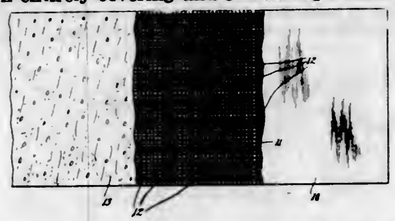


1. A knife for trimming the hair of animals, comprising a blade section and a handle section, the blade section having inclined side edges, substantially long teeth formed along one edge of the blade and substantially short teeth formed along the opposite edge of the blade, said teeth having beveled cutting edges, the upper surface of the blade section being curved to accommodate the thumb of the user in gripping the hair being trimmed, the curved portion being disposed at a point closer to the short teeth than the long teeth, whereby the knife may be used in trimming the hair to various predetermined lengths.

2,274,189
SHEET ROOFING
John Congleton, Jr., Dover, Ohio
Application December 20, 1938, Serial No. 246,808
2 Claims. (Cl. 154—51)

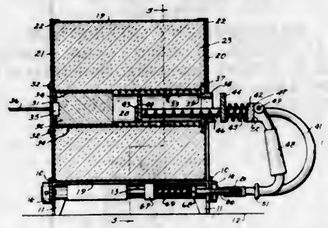
2. Sheet roofing comprising an imperforate metal sheet, sheets of woven wire mesh covering both sides of the metal sheet and spot welded

thereto at spaced points, and a coating of bitumen entirely covering and embedding each sheet



of woven wire mesh and covering and protecting both surfaces of the imperforate metal sheet.

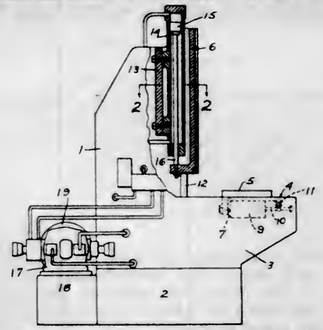
2,274,190
ELECTRICAL MEAT COOKER
Harold F. Cramer, Denver, Colo.
Application October 21, 1940, Serial No. 362,075
7 Claims. (Cl. 219—35)



1. In a cooking apparatus having an electrically heated muffle, a base having spaced guides, a grid positioned to be moved into and out of the muffle, the grid comprising bars slidably connected with the guides, the ends of the bars that enter the muffles having attached thereto spaced rods, spring means connected with one bar and its cooperating guide, the spring being tensioned to move the grid out of the muffle, detent means carried by the guide for latching the grid in position within the muffle, stop means operatively associated with the grid for limiting its outward movement, and a time responsive element operatively connected with the detent for releasing the same after a predetermined time.

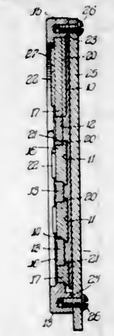
2,274,191
BROACHING MACHINE
Richard E. Davis, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 17, 1938, Serial No. 246,292
19 Claims. (Cl. 90—33)

1. The combination, with a machine having a first carriage, a first power means for reciprocating said carriage between a fully retracted and a fully advanced position, a second carriage, and a second power means for reciprocating said second carriage between a fully retracted and a fully advanced position, of starting means, a first control means for causing said first power means to advance said first carriage in response to operation of said starting means, a second control means responsive to said first carriage reaching its fully advanced position for causing said second power means to advance said second carriage, a third control means for causing said second power means to retract said second carriage, and means responsive to said second carriage leaving its fully retracted position before said first carriage advances for rendering said first control means ineffective and said third control means effective to thereby prevent said first power means from advancing said first carriage



and to cause said second power means to retract said second carriage upon said starting means being operated.

2,274,192
CHANGEABLE LETTER SIGN
George H. Deaton, Oak Park, Ill.
Application December 28, 1940, Serial No. 372,149
5 Claims. (Cl. 40—140)

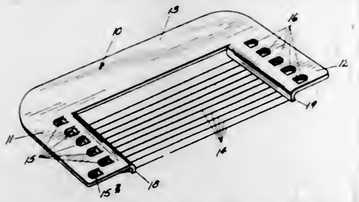


1. In a grave or casket marker, a backing plate having supporting groove formations therein below the normal surface thereof, character and spacer members having a main body portion outwardly shouldered to form a widened base portion within said groove formations, a face plate having interlocking slots corresponding to said groove formations superimposed over said backing plate and overlying the shouldered portion of said main body portions to form an interlock to hold the same in their groove formations, the main body portions of said members terminating flush with the surface of said face plate, embossed characters on said character members extending through and beyond said interlocking slots above the surface of said face plate, and means for securing said face plate to said backing plate to prevent substantial movement of said members.

2,274,193
SLICER DEVICE
Leland E. Evans, Oak Park, Ill.
Application November 1, 1939, Serial No. 302,299
1 Claim. (Cl. 30—117)

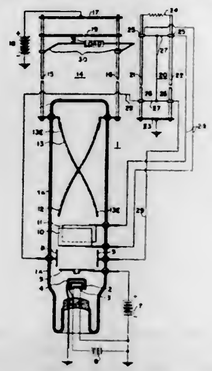
A slicing device of the character described, comprising a relatively rigid U-shaped frame of relatively flat form, including a pair of spaced

apart leg portions, said leg portions each being formed with a downwardly offset flange adjacent the inner edge thereof, and a plurality of cutting wires connected to said leg portions and trained



tautly over said offset flanges, in parallel relation to each other and spaced-apart in the direction of the length of said leg portions, said leg portions being of substantial width to provide convenient hand grips.

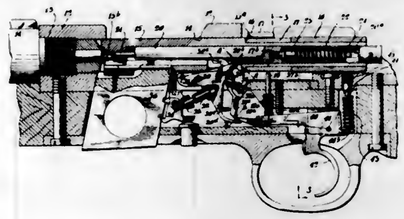
2,274,194
APPARATUS FOR AND METHOD OF ELECTRON DISCHARGE CONTROL
Philo T. Farnsworth, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application February 23, 1940, Serial No. 320,449
13 Claims. (Cl. 250—27)



1. The method of electron control which comprises generating a beam of electrons, directing said beam into space, varying the direction of said beam during predetermined time intervals, substantially simultaneously intercepting the electrons of said beam during said time interval, utilizing the intercepted electrons to produce a signal, and utilizing a portion of said signal to control said variation of said beam.

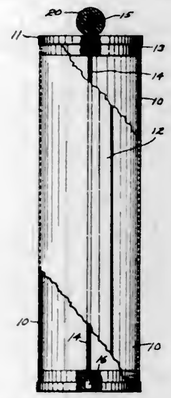
2,274,195
FIREARM
George H. Garrison, Delphi, Ind.
Application December 31, 1938, Serial No. 248,841
3 Claims. (Cl. 42—69)

1. In a firearm, an impact firing device, a spring tending to move said impact device to firing position, restraining means engaging said impact device, a second restraining means for said first restraining means, a third restraining means for said second restraining means, said several restraining means having co-acting surfaces so constructed and arranged that the thrust of the said spring tends to move said several restraining means to ineffective position, spring means for holding said third restraining means against the thrust of said impact device spring, and a trigger connected to compress said spring means upon



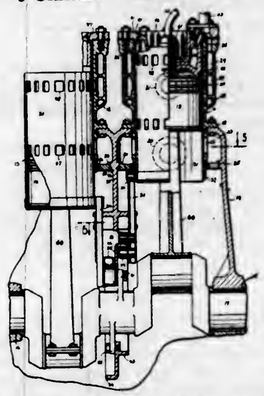
actuation of said trigger, whereby said impact device spring may move said several restraining means to ineffective position and cause said impact firing device to move to firing position.

2,274,196
TRANSPARENT CONTAINER
Alfred C. Gilbert, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application May 21, 1937, Serial No. 143,897
8 Claims. (Cl. 206—44)



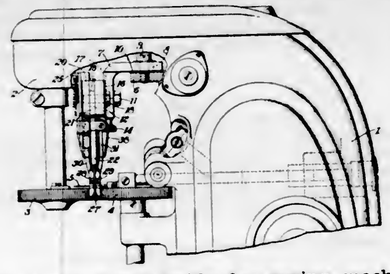
1. A knockdown display container comprising a readily reusable assemblage of freely disconnectable parts, including in combination, an open ended tubular member composed of transparent sheet-like material sufficiently thin and flexible to enable said member to be distorted easily by flexure of said material when the latter is unsupported, a base wall transverse said tubular member conjoined with one end thereof to close said end, a head device shaped and disposed to abut against the terminal edge of said material at the open opposite end of said tubular member and including a plug-like body fitting removably and telescopically into and sufficiently filling said open end to afford internal support for the marginal portion of said material thereat, and retractable means for releasably retaining said head device constructed and arranged to press the latter against said edge of the material in a direction to subject said tubular member to compressive force of telescoping nature, said support of the material by said plug-like body preventing the material from yielding flexibly in response to said compressive force.

2,274,197
SLEEVE VALVE INTERNAL COMBUSTION ENGINE
Edwin H. Godfrey, Wenonah, N. J., assignor to Godfrey Manufacturing Corporation, New Brunswick, N. J., a corporation of New Jersey
Application July 18, 1934, Serial No. 735,806
9 Claims. (Cl. 123—55)



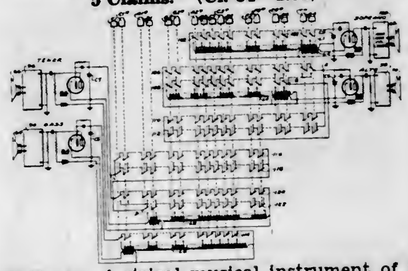
1. In an internal combustion engine of the solid fuel injection type, a cylinder, a piston, a perforated sleeve valve slidably disposed between said piston and said cylinder, and an intake chamber for air only and an exhaust chamber spaced relatively to each other and extending around said cylinder, said cylinder being perforated around its circumference at the levels of said chambers similarly to and registerably with the perforations of said sleeve valve, and gearing and a mechanism actuating said sleeve valve and said piston and withdrawing said piston from a perforated part of said sleeve valve simultaneously with aligning the perforations of said sleeve valve in full communication with those in said cylinder.

2,274,198
UNCURLING GUIDE FOR SEWING MACHINES
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 9, 1939, Serial No. 308,361
10 Claims. (Cl. 112—20)



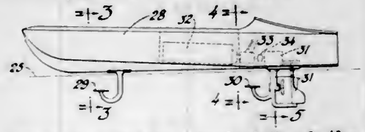
1. An uncurling guide for sewing machines comprising, a central guiding plate having a head mounted so that the uncurling guide may be shifted into and out of operative position, uncurlers cooperating at their lower ends with said central guiding plate for controlling and directing fabric sections preparatory to stitching, means carried by said central guiding plate adjacent the head thereof for pivotally supporting the upper ends of said uncurlers on horizontal axes, and spring means engaging each of said uncurlers intermediate its ends for maintaining said uncurlers in cooperative relation with said central guiding plate.

2,274,199
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application April 7, 1941, Serial No. 387,113
5 Claims. (Cl. 84—1.01)



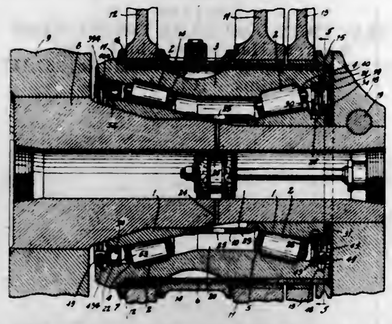
1. In an electrical musical instrument of the keyboard type especially adapted for instruction in multi-part harmony singing, a keyboard comprising a plurality of keys arranged in the normal note sequence for more than an octave, a plurality of separate melody instruments each capable of playing at one time only one note or notes in octave relationship, a separate speaker for each of said instruments, connections for operating said speakers simultaneously at points sufficiently remote from one another to afford localized sound sources for individual groups of singers, a plurality of electric switches operated by each key of said keyboard, said switches being connected for operating a plurality of said melody instruments in unison and on the same note when only one key is depressed but on separate harmony notes when a plurality of keys are simultaneously depressed within the same octave on the said keyboard, whereby a plurality of groups of singers may simultaneously but individually be guided in singing their appropriate harmony parts by hearing their part louder than the parts to be sung by the others.

2,274,200
ANTICAVITATION HYDROFOIL
Edward J. Hill, Detroit, Mich.
Application November 5, 1938, Serial No. 238,943
7 Claims. (Cl. 114—66.5)



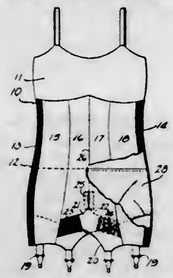
1. An anti-cavitation hydrofoil of the type wherein the greater portion of its lift is obtained by the suction lift of its upper surface when the said hydrofoil is moved forwardly through the water comprising, in combination, a hydrofoil, a plurality of struts extending from the bottom of the said hydrofoil to a point thereabove passing an edge other than the leading edge of the said hydrofoil in sufficiently spaced relationship to prevent air from the surface of the water from following the strut to the upper surface of the said hydrofoil, and means for securing the said struts in rigid depending relationship to the hull of a boat.

2,274,201
LOCOMOTIVE ROD BEARING SEAL
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 20, 1940, Serial No. 314,776
4 Claims. (Cl. 286—5)



1. Closure means for the annular space between relatively rotatable inner and outer members comprising an annular end closure interposed between said members adjacent to one end thereof, said outer member having an internal annular abutment for said closure, a split retaining ring mounted in said outer member for holding said closure against said abutment, said closure having an internally and externally grooved hub projecting from the outer end face thereof and an annular rib on the inner end face thereof, said hub surrounding the adjacent end portion of said inner member, a sleeve press-fitted on said end portion of said inner member and extending through said hub, said sleeve having an inwardly extending stop flange at its outer end overhanging and abutting endwise against the outer end face of said inner member, and an outstanding annular flange at its inner end spaced inwardly of the inner face of said closure with its peripheral edge terminating close to but clear of said annular rib, and an annular member having a hub portion supported in the opening defined by the inwardly extending flange at the outer end of said sleeve and a peripheral flange encircling the hub of said end closure.

2,274,202
FOUNDATION GARMENT
Stanley Griffith Jones, Chicago, Ill.
Application November 13, 1939, Serial No. 304,023
1 Claim. (Cl. 2—27)



In a foundation garment formed of vertical panels of elastic and inelastic material, a pair of panels disposed centrally and frontally of the garment, free overlapping flaps on the contiguous inner edges of said panels adjacent their lower ends, a web strap connecting the outer edge of each flap with the outer edge of the opposite panel adjacent the lower end thereof, and a fabric reinforcement underlying the lower end of the central frontal seam at the upper juncture of said flaps to resist the tension communicated through the strap members by limb movement of the wearer.

2,274,203
FILING EQUIPMENT
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application May 23, 1940, Serial No. 336,761
5 Claims. (Cl. 129—5)

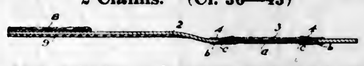


4. In a suspension unit, an element, a tubular stud on said element, said stud being adapted to receive apertured sheets thereon, axially rotatable means on said stud movable into clamping position against sheets thereon, and a spring in said stud operatively associated with said means to retain the latter in either of a plurality of positions.

2,274,204
PROCESS FOR SELECTIVE OXIDATION OR DEHYDROGENATION OF PETROLEUM HYDROCARBONS
Herman B. Kipper, Accord, Mass.
No Drawing. Application May 4, 1940, Serial No. 333,389
3 Claims. (Cl. 260—683)

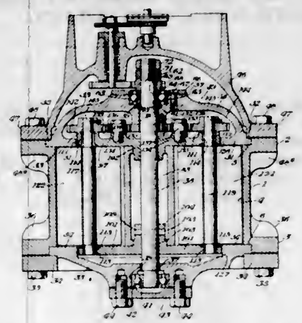
1. In a process for the dehydrogenation of hydrocarbons of a class consisting of the hydrocarbon gases above methane and delivered as waste gases from petroleum oil cracking, the step of subjecting the said hydrocarbons to treatment with a mixture of oxygen and an inert gas in which the percentage of oxygen in the said mixture is less than twenty, namely that normally contained in air, the oxygen being present in amount sufficient only to react substantially with all of the hydrogen liberated during the reaction, at superatmospheric pressures and temperatures between one hundred and four hundred degrees centrigrade, in the presence of a catalytic combination consisting of the oxides and hydroxides of iron and of copper.

2,274,205
INSOLE FOR SHOES
Gordon Mann, Winchester, Mass., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware
Application October 12, 1940, Serial No. 360,905
2 Claims. (Cl. 36—43)



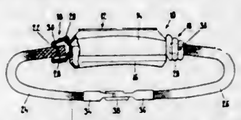
2. An insole for a shoe comprising a body portion consisting of a suitably shaped sheet of insole material, a strip of resilient material extending across the entire width of the insole at the ball portion thereof and of such dimensions lengthwise of the insole as to form a cushion for the greater part of the ball portion of the foot, the material of said body portion being cut away at the side thereof next to the foot to provide a groove into which said strip is fitted snugly, the strip being cemented to the bottom surface of said groove, the part of said body portion of the insole at the bottom of said groove being slashed transversely, the slashes being relatively short and staggered with reference to each other and the opposite ends of each slash terminating in holes cut through the insole material, and means securing the front and rear edges of said cushion to the body portion of the insole, said means including parts extending across the joints between the said edges of the cushion and the adjoining upper surfaces of the body portion of the insole.

2,274,206
ROTARY FLUID METER
Walter H. Marsh, Crafton, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1937, Serial No. 179,394
11 Claims. (Cl. 73—261)



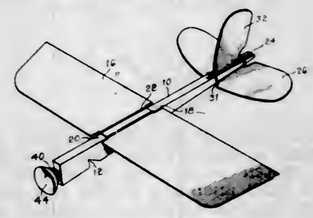
1. In a fluid meter, a casing having a cylindrical bore therein forming a fixed wall of a metering chamber, fluid inlet and outlet connections for said chamber, a fixed bearing plate in said casing, a shaft located in said bearing plate coaxially of the casing, a rotor mounted to rotate about the axis of said shaft and having a plurality of recesses in the surface thereof, said plate having a portion overlying said metering chamber and having a running clearance with the rotor, a plurality of semi-cylindrical vanes journalled in said recesses, said vanes being of such diameter as to provide a running clearance with the fixed wall of the casing, and a division plate located between the inlet and the outlet in the measuring chamber and providing a running clearance with the rotor.

2,274,207
WRIST WATCH
Maurice Merz, Malverne, N. Y., assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y., a corporation of New York
Application August 26, 1940, Serial No. 354,161
6 Claims. (Cl. 58—88)



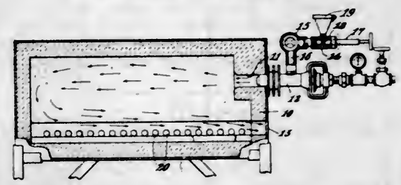
4. A wrist watch comprising a case, having tubular members secured to the opposite ends of the case, and projecting in opposite directions, respectively therefrom, said tubular members being open at their outer ends, a bracelet having opposite end portions thereof projecting into said tubular members, respectively, and pins secured in said tubular members transversely thereof and passing through said end portions, respectively, for securing the same in said tubular members, said end portions of said bracelet substantially closing the open ends of said tubular members.

2,274,208
TOY AIRPLANE
Arthur B. Mull, Appleton, Wis., assignor of one-half to Spotswood Specialty Company, Inc., Lexington, Ky., a corporation of Kentucky
Application February 6, 1941, Serial No. 377,694
2 Claims. (Cl. 46—81)



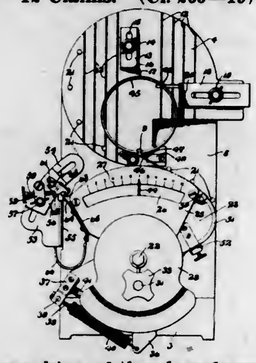
1. In a toy airplane, the combination including a main body having a tail portion provided with a vertically disposed saw-cut groove, a unitary sheet material member underlying the tail of the main body so as to form a bottom for said groove, said unitary member being provided with fore and aft notches registering with the main body, a rudder seated in said groove, said rudder having fore and aft extensions located in the groove, a rubber band straddling the tail portion, said rubber band having one bight engaging the fore extension of the rudder, the main body of the band being positioned in the fore and aft notches and underlying said unitary member, and the rear bight extending over the aft extension of the rudder so that the rubber band holds the rudder and the unitary member in position on the tail of the main body, and a loaded suction cup attached to the nose of the airplane so that as the airplane alights upon a flat surface substantially normal to the direction of flight the suction cup holds the airplane in alighted position.

2,274,209
FURNACE
Harold J. Ness, Bloomfield, N. J.
Application September 3, 1938, Serial No. 228,313
16 Claims. (Cl. 266—5)



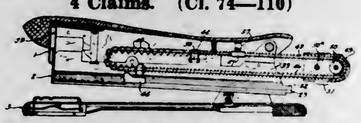
8. In a furnace, the combination of a heating chamber, a lining therefor which is neutral or basic to lithium, and means for obtaining a gaseous atmosphere in said chamber containing carbon monoxide and lithium vapor.

2,274,210
PISTON RING SCALE
Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application July 1, 1940, Serial No. 343,315
12 Claims. (Cl. 265—19)



1. In a machine of the class described, a support having a substantially flat face against which a parted piston ring is adapted to be located, a band anchored at one end near the position of the ring parting and adapted to pass around the ring to adjacent the side of the parting and then substantially tangentially to and away from the ring, manually operable means mounted on said support for pulling upon the free end of the band to contract the ring to decrease the parting in said ring, and including means for indicating the degree of force required to contract said ring, a window in said support immediately back of the parting in said ring, and a light back of said window, said window and indicating means being in proximity to each other whereby the indicating means may be viewed simultaneously with the substantial closure of the ring parting.

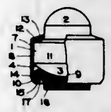
2,274,211
STAPLING MACHINE
William G. Pankonin, Chicago, Ill.
Original application July 1, 1940, Serial No. 343,380. Divided and this application April 5, 1941, Serial No. 387,004
4 Claims. (Cl. 74—110)



1. Force-transmission means comprising a curved guiding rod, and a rigid series of blocks slidable along said rod and adapted to communicate compressive force from one to the other thereof, said blocks having sloped portions to communicate the compressive force without binding said blocks as they slide around said curve.

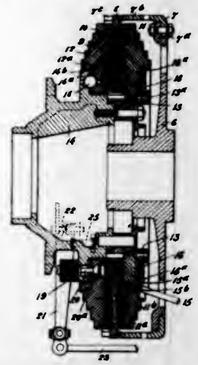
2,274,212
REFLECTING SIGN AND REFLECTING UNIT THEREFOR
Charles A. Persons, Worcester, Mass., assignor to Persons - Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application August 5, 1938, Serial No. 223,259
8 Claims. (Cl. 88—82)

1. A light reflecting unit adapted to be mounted between the back plate and the apertured front plate of a sign, said unit comprising a lens and associated reflecting means, a housing of firm material receiving said parts, said housing being open at one end to expose the front end of said lens for projection through an aperture of said front plate, said housing's other closed end providing exteriorly an undercut annular recess, and a cushioning member for de-



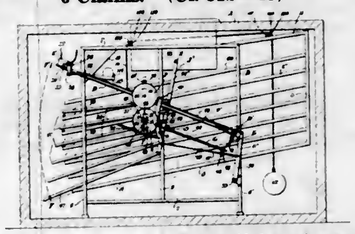
tachable connection with said housing's closed end, said cushioning member having a portion substantially fitting said recess and receiving therein by flexure of same through the contracted entrance to said recess, said cushioning member being of sufficient thickness to contact firmly with the back plate of said sign when the other end of said housing is engaged with the apertured front plate of said sign.

2,274,213
VEHICLE BRAKE
James Henry Pratt, Gilbert Edgar Manley, and Albert Henry Godfrey Girling, Birmingham, England
Application June 27, 1939, Serial No. 281,404
In Great Britain July 8, 1938
4 Claims. (Cl. 188—72)



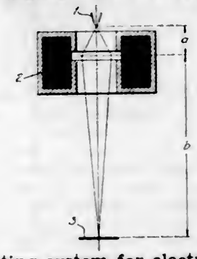
1. A brake of the disk type for a vehicle wheel comprising, in combination, a friction member rotatable with the wheel, a second friction member, a non-rotatable thrust-receiving member adjacent the second friction member, energizing means actuated by rotation of the second friction member relative to the thrust-receiving member for thrusting the second friction member toward the first friction member, the force exerted by said energizing means being applied at points substantially to one side of a plane passing through the axis of rotation, yieldable means for normally thrusting the second friction member away from the first friction member, the force exerted by said yieldable means being distributed with substantial uniformity on both sides of said plane, and brake-applying mechanism operable at will for overcoming the force exerted by said yieldable means to bring the friction members into engagement, the force exerted by said brake-applying mechanism being applied at points substantially to the other side of said plane.

2,274,214
COIN-FREED VENDING MACHINE
Henry Preusantanz, Winnipeg, Manitoba, Canada, assignor of two-thirds to Charles James Rawnsley, Albert Hatton Wakefield, and Albert Trueman, all of Winnipeg, Manitoba, Canada, as trustees
Application January 24, 1939, Serial No. 252,643
6 Claims. (Cl. 312—45)



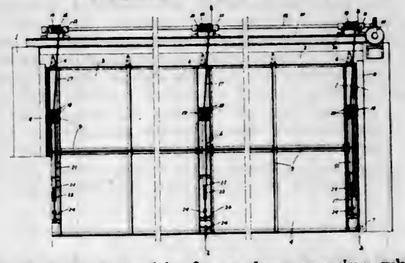
1. A machine for vending articles of merchandise of various types or brands comprising in combination, a housing cabinet, a framework therewithin, a plurality of trays for containing said articles of merchandise positioned within said housing cabinet, means for delivering one of said articles from one of said trays to an accessible position comprising a carrier pivotally mounted at one end thereof upon said framework, an article receiving pick-up assembly movably mounted upon the opposite end of said carrier adjacent the aligned ends of said trays, a crank arm, a cam, linkage extending between said crank arm and said carrier, linkage extending between said cam and said assembly, mechanism for rotating said crank arm and said cam, whereby said pick-up assembly and said carrier co-act to lift an article from one of said trays and convey the same to said accessible position and customer operated means for selecting the type or brand of article to be delivered comprising a lever capable of setting in a plurality of positions, a plurality of stop rods attached to said lever, each of said rods being positioned adjacent one of said trays and engageable with said carrier when said lever is set in a predetermined position whereby said carrier is temporarily stopped adjacent said tray.

2,274,215
ELECTRONIC MICROSCOPE
Ernst Ruska, Berlin-Spandau, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application August 14, 1940, Serial No. 352,506
In Germany July 22, 1939
2 Claims. (Cl. 250—49.5)



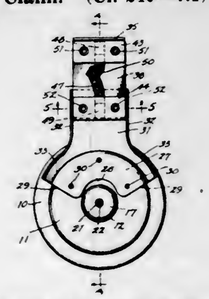
2. A radiating system for electron microscopical apparatus and the like having an electron-emitting cathode, means for holding an object in the path of the electrons, and an electron-optical condensing lens for concentrating the electrons onto the object, said condensing lens being arranged close to said cathode so as to obtain a cathode image of about three times linear magnification in the plane of the object.

2,274,216
DOOR ASSEMBLY
Claude K. Sanders, Turlock, Calif.
Application February 11, 1941, Serial No. 378,330
3 Claims. (Cl. 268—74)



1. A door assembly for a door opening which includes a head beam, said assembly comprising a vertically foldable door assembly including upper and lower panels hinged together along adjacent edges, means suspending said assembly from the head beam for inward and upward folding movement, and means applied to the assembly to fold the same; said last named means including a driven cable drum disposed above and rearwardly of the door assembly, a cable connected at one end on the drum, the upper and lower panels having ports intermediate their upper and lower edges, the cable being threaded through the port in the upper panel from the back and thence depending to and threading through the port in the lower panel from the front, and means anchoring the cable at the other end on the back of the lower panel.

2,274,217
VEHICLE LAMP
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application September 14, 1939, Serial No. 294,829
1 Claim. (Cl. 240—7.1)



A flexibly mounted vehicle lamp, comprising a lamp assembly including a circular casing having an annular lens abutting marginal back portion, an annular forwardly projecting peripheral lens retaining rim flange portion, a rearwardly offset back portion, and a rearwardly projecting annular shoulder connecting the inner edge of said marginal back portion to the outer edge of said rearwardly offset back portion, a rigid extension

member including an upper vertically disposed portion engaged with the rearward side of said marginal back portion and projecting upwardly from the casing, and a lower shouldered cape portion in the form of a section of a circle fitted to the upper part only of said rearwardly projecting annular shoulder and extending downwardly over said rearwardly offset back portion, circumferential marginal portions continuous and in the same vertical plane with said vertically disposed portion and surrounding said shouldered cape portion at each side, and a rearwardly extending flange extending continuously along each of the vertical edges of said vertically disposed portion and the circumferential edge of said circumferential marginal portions continuous therewith, means rigidly securing said cape portion to said rearwardly offset back portion against relative turning movement, an attaching bracket, and a flexible connection member secured at its upper end to said attaching bracket and secured at its lower end to said upper portion of said extension member.

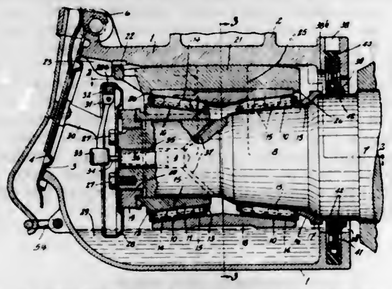
2,274,218

BOLLER BEARING AXLE CONSTRUCTION

William L. Scribner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application February 2, 1940, Serial No. 316,922

4 Claims. (Cl. 308—180)



1. A car axle construction comprising an axle having a tapering portion and a reduced cylindrical portion extending beyond said tapering portion, a one-piece journal box into which said axle extends, the vertical section of said box being generally of elongated U-shape with a closed top, said journal box having restricted openings in both ends of smaller vertical and horizontal dimensions than the inside of said box, a roller bearing mounted on said axle, said bearing comprising a bearing cone mounted on said cylindrical portion of said axle, bearing rollers being mounted on said cone and on said tapered axle portion, respectively, a cup having raceway portions for said rollers, a wedge interposed between said cup and the top of said journal box, said wedge having downwardly extending flanges for engaging the ends of said cup, and securing means for retaining said bearing on said axle.

2,274,219

HOLDER FOR SPOONS AND THE LIKE

Russell Seller, Simcoe, Ontario, Canada

Application July 24, 1939, Serial No. 286,187

1 Claim. (Cl. 65—65)

A holder for a spoon having a handle formed with a wide upper portion tapering to a narrow lower portion adjacent the bowl and comprising a body in the form of a flattened downwardly tapering tube, the rear wall of which inclines outward from the top to the bottom of the tube



and having a downwardly tapering slot in its front wall and a supporting hook extending from the upper edge of the back wall.

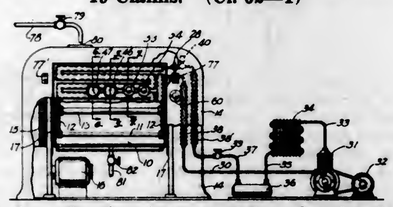
2,274,220

REFRIGERATED DOUGH MIXER

Merlin A. Sticelber, Kansas City, Mo.

Application November 8, 1940, Serial No. 364,903

19 Claims. (Cl. 62—1)



1. In a dough mixer, a mixing chamber having a wall, agitating means in said chamber periodically engaging dough being mixed in said chamber with said wall, and refrigerating means for said wall, comprising a refrigerant expansion chamber in direct heat transfer relation to said wall, said expansion chamber comprising a plurality of adjacent parallel channel members of substantially U-shaped section, connected alternately at opposite ends thereof in series to form a continuous circuitous conduit along said wall.

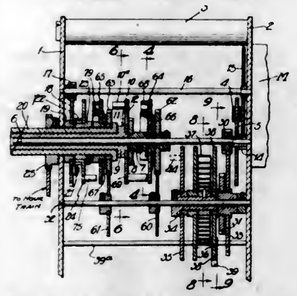
2,274,221

SYNCHRONIZED MOTOR CLOCK MOVEMENT

Lucien B. Stone, South Orange, N. J., assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y., a corporation of New York

Application October 3, 1939, Serial No. 297,649

4 Claims. (Cl. 58—34)



2. In a mechanism for synchronizing motor driven clocks by the driving motor power, a clock train and means for continuously driving said train from the motor, a resetting gear train geared to move said clock train at a speed higher than its normal speed for advancing the clock hands when slow, a spring power accumulator disposed to operate said resetting train and means connected with said driving motor for storing a limited amount of energy in said accumulator during the normal operation of said motor, means for arresting the operation of said accumulator during the normal operation of the

clock, means for delivering a synchronizing impulse at the desired time intervals, means controlled by said impulse for releasing said accumulator to operate said resetting train and for re-arresting said accumulator after the completion of the resetting operation, a pawl connected with said resetting train and disposed to engage the clock train during the forward motion of the resetting train, but to permit normally free operation of the clock train when the resetting train is not in operation, whereby the clock train if slow is advanced by the resetting train, and means controlled by said synchronizing impulse for arresting the clock train in its advance for the duration of the impulse when the clock train has arrived at the required time position.

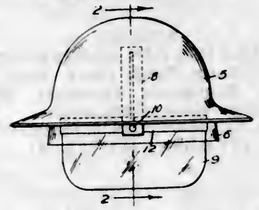
2,274,222

SAFETY APPLIANCE

Harvey L. Tedrow, Alma, Colo.

Application July 8, 1939, Serial No. 283,382

3 Claims. (Cl. 2—10)



1. The combination with a rigid helmet of a composition adapted to withstand the impact of rock fragments without excessive deformation, and means in the helmet for its support on the head of a user out of contact therewith, of coacting guide and slide members within the helmet, an eye shield carried on the slide member with its lower end disposed to extend below the wearer's eyes when the slide is at one end of the guide and to remain at the rim of the helmet when the slide is at the opposite end of the guide.

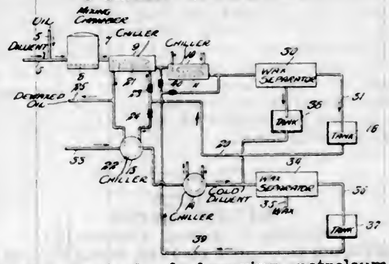
2,274,223

METHOD OF SEPARATING WAX FROM OILS

Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware

Application June 9, 1938, Serial No. 212,631

3 Claims. (Cl. 196—18)



1. The method of dewaxing petroleum oil containing upwards of 15 per cent mixed waxes of the character described which are difficult to separate from the oil, which comprises warming and mixing the oil with a volume of normally liquid diluent which is not substantially greater than the volume of oil and which is sufficient to render the oil pumpable during the initial stages of the chilling, passing the thus diluted mixture through a heat exchange chiller to chill the mixture to a temperature sufficiently low to cause most of the wax to precipitate but substantially above final dewaxing temperature and not so low as to render the mixture non-pumpable, thereafter adding to the partially chilled mixture a further quantity of normally liquid diluent sufficient to maintain the mixture fluid at final dewaxing temperature, said further quantity of diluent being as cold as said mixture and above final dewaxing temperature, therafter further chilling the resulting mixture to final dewaxing temperature substantially below the first-named temperature solely by passing it through a heat exchange chiller, and thereupon separating the precipitated wax from the thus chilled mixture.

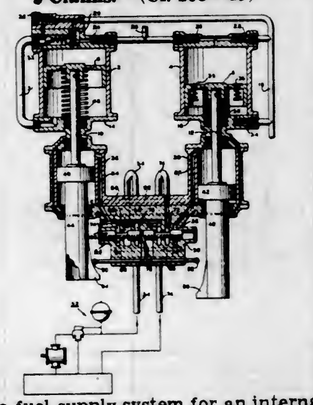
2,274,224

PUMPING SYSTEM

Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application July 24, 1940, Serial No. 347,240

3 Claims. (Cl. 103—49)



1. In a fuel supply system for an internal combustion engine the combination of a pair of expansible chamber pumps having valved connection with a source of fuel and with a fuel delivery conduit, a source of hydraulic power fluid, independent fluid motors for operating said expansible chamber pumps on their intake strokes, biasing means for operating said pumps on their outlet strokes to exert a substantially constant pressure on the fuel delivery line independently of the rate of fuel consumption, and valve means operated by each fluid motor near the end of its pumping stroke for first relieving pressure in the other motor to start the latter on a pumping stroke and later admitting pressure to the former motor to start it on an intake stroke.

2,274,225

APPARATUS FOR HANDLING CONCRETE

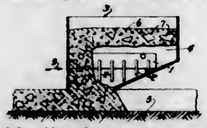
Cecil J. White, Minneapolis, Minn.

Application November 20, 1939, Serial No. 305,317

4 Claims. (Cl. 94—46)

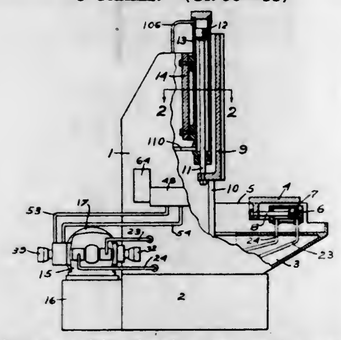
1. In apparatus for treating material, such, for instance, as concrete which contains particles of varying sizes, for the purpose of preventing movement of the larger particles to the outside of the mass and segregation of such larger particles from the mass during deposit of the material, a container for holding the material and for dropping it upon a lower place of deposit, a series

of suitably supported members projected from the outside into the outer part of the downwardly moving mass, said members being inclined downwardly from the outer limits of the container toward the inner part thereof and being spaced



apart to guide the larger particles downwardly and inwardly and to permit passage between them of the remainder of the moving mass and being of such length as to permit the free passage of the larger particles over their inner ends.

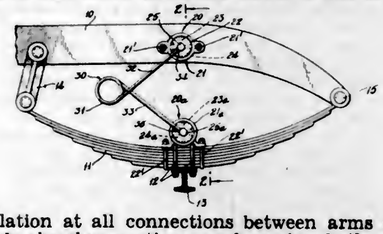
2,274,226
BROACHING MACHINE
Ernst Wiedmann, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 10, 1938, Serial No. 212,883
5 Claims. (Cl. 90—33)



1. In a machine having two reciprocable carriages, the combination of a pump, two hydraulic motors mechanically connected to said carriages to operate the same and hydraulically connected to said pump in parallel with each other, means for controlling the delivery of liquid from said pump to said motors to thereby control the operation of said motors, means for causing said motors to operate in sequence including a normally closed pressure responsive valve connected between said pump and the second of said motors for preventing liquid from flowing from said pump to the second of said motors until the first of said motors has been operated by said liquid and is exerting sufficient force to cause the pressure of said liquid to reach a value great enough to open said valve and means operated by liquid passed through said valve for causing said valve to open wide enough to prevent any drop in pressure thereacross.

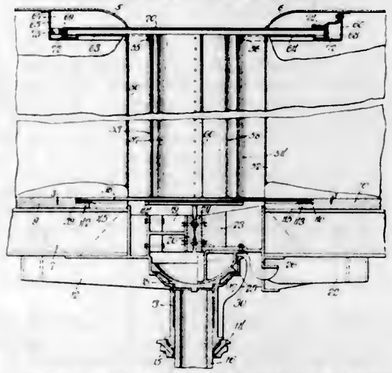
2,274,227
SHOCK ABSORBING SYSTEM
Louis E. Willard, Long Island City, N. Y., assignor to Charles Zimmer, Brooklyn, N. Y.
Application September 17, 1940, Serial No. 357,079
3 Claims. (Cl. 267—8)

1. In combination, a vehicle chassis or frame, an axle, a chassis supported shock absorber, an axle supported shock absorber, and means for directly coupling said two shock absorbers in operative relationship, said coupling means comprising a spring having portions thereof directly and rigidly connected to each shock absorber and said spring being suspended solely by said connected portions thereof, and constituting with its arms a positive drive connection between the pistons of said shock absorbers which is free of ar-



ticulation at all connections between arms and shock absorber portions, and serving both as a helper suspension spring between said chassis or frame and said axle and as a retarder of the transmission of motion from said axle to said shock absorbers.

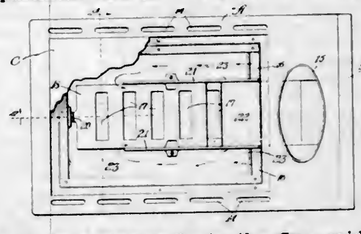
2,274,228
ARTICULATED CAR CONSTRUCTION
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 1, 1939, Serial No. 302,279
14 Claims. (Cl. 105—4)



1. In an articulated car, a truck, two car bodies having adjacent ends carried by the truck and each including end floors and door posts set apart to define a doorway, arcuate ledges formed in each car floor at said doorways, a floor plate having peripheral non-metallic cushioning means on the side thereof supporting the plate on said ledges to extend between said car bodies, spring means biased between said plate and the end of one of said car bodies tending to hold said plate down on said ledges.

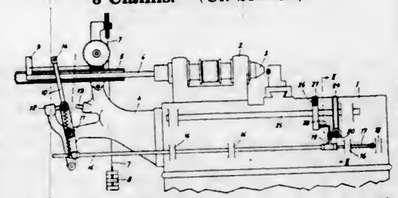
2,274,229
RANGE HEATER
Lawrence A. Althoff, Chicago, Ill.
Application December 18, 1940, Serial No. 370,702
5 Claims. (Cl. 126—4)

1. In a range heater of the character set forth, a frame providing an oil burner chamber, a combustion chamber thereabove provided with an outlet flue, a horizontal partition wall across the upper end of the combustion chamber, a cooking top spaced above said wall and providing a circulation compartment therebetween, a pair of spaced vertical partition walls within the circulation compartment and extending forwardly from the rear side thereof and terminating short of the front side thereof, said partition walls extending between the cooking top and said horizontal wall and providing outer passages leading from the rear to the front of said circulation compartment and providing also a central pas-



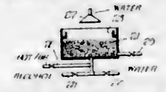
sage leading rearwardly to the flue, said horizontal wall being provided at its rear with openings establishing communication between said outer passages and the chamber below and provided also with openings in a central portion between said partition walls, and a damper slide for closing and opening said last-mentioned openings.

2,274,230
AUTOMATIC LATHE
André Bechler, Moutier, Switzerland
Application November 30, 1940, Serial No. 368,079
In Switzerland November 27, 1939
8 Claims. (Cl. 29—65)



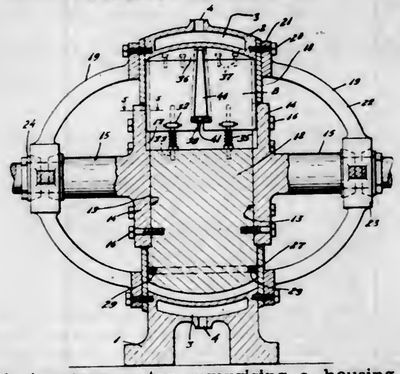
1. In an automatic lathe comprising a disengageable camshaft adapted to control the different operations for machining a work piece, a driving shaft adapted to drive said camshaft, a feeding device, a driving weight adapted to operate said feeding device, suitable means connecting said driving weight with said feeding device, a disengaging device adapted to disconnect said camshaft from said driving shaft, and a suitable mechanism adapted to control said disengaging device and to be operated by said driving weight.

2,274,231
BATTERY SEPARATOR
Abraham Sidney Behrman, Chicago, Ill., assignor to A. S. Behrman, trustee of Porous Rubber Products Trust, Chicago, Ill.
Application April 12, 1937, Serial No. 136,352
6 Claims. (Cl. 18—53)



1. An article of the type described, comprising a continuous rubber phase having substantially continuous communicating pockets containing particles of silica gel of the type having an apparent density of less than substantially 25 pounds per cubic foot when admixed with said rubber, said particles being smaller in size than said pockets to provide a continuous porosity due in part to voids in said rubber and in part to the porosity of said particles.

2,274,232
ROTARY MOTOR
Roy C. Boyer, Kansas City, Mo.
Application October 30, 1940, Serial No. 363,558
2 Claims. (Cl. 123—16)

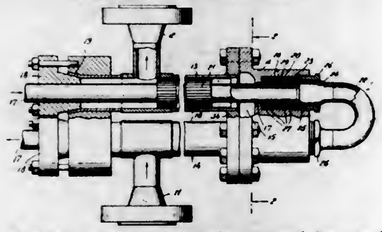


1. A rotary motor comprising a housing including a ring-shaped part and side parts, a rotor in the housing having substantially tangentially arranged slots therein with the slots sloping in the direction of movement of the rotor, blades in the slots, springs for pressing the blades outwardly, pockets formed in the inner circumference of the ring, means for introducing explosive mixture into some of the pockets, firing means in other of the pockets, said ring having exhaust ports located between the firing pockets and the inlet pockets, each part of the rotor between a pair of slots having a groove therein adjacent its outer end, said groove passing through the side walls of said part and the end walls formed by the slots, spring-pressed compression strips in said last-mentioned groove and each blade being formed of two sections, the inner edges of the two sections forming a wedge-shaped opening, the large end of which is located adjacent the inner end of the blade, a wedge-shaped member in the opening, spring means in the inner end of the opening for pressing the wedge-shaped member outwardly to expand the two sections of the blades against the side members, a pair of flanged shafts, the flanges of which are fastened to the sides of the rotor and pass through openings in the side members of the housing, means for rotatably supporting the shafts and the flanges of the shafts having grooves on their inner faces for receiving portions of the side edges of the blades, and rollers carried by the side walls of the slots in the rotor and by the blades for preventing friction between the blades and the walls of the slots.

2. In a rotary motor including a housing and a slotted rotor in the housing, blades slidably arranged in the slots and each blade being formed of two sections, the inner edges of the two sections being spaced apart and the major portions of said edges being beveled to form a wedge-shaped opening the large end of which is located in spaced relation to the inner end of the blade and the small end of the wedge-shaped opening passing through the outer end of the blade, said inner end of the blade having inwardly extending projections on the inner side

walls of the two sections, a wedge-shaped member in the opening, said wedge-shaped member being of substantially the same thickness as that of the blade and spring means resting upon the projections and engaging the large end of the wedge-shaped member.

2,274,233
HEAT EXCHANGER UNIT
Edward A. Dewald, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application February 29, 1940, Serial No. 321,364
6 Claims. (Cl. 285—20)



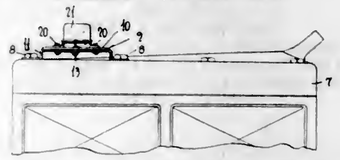
1. A heat exchanger unit comprising a tube sheet, a pair of outer tubes affixed in said tube sheet, an inner tube within each of said outer tubes and coaxial therewith, said inner tubes having floating ends, a header affixed to said tube sheet having a space forming a connecting chamber between said outer tubes, cylindrical recesses in the outer face of said header coaxial with said outer tubes and substantially greater in diameter than said inner tubes, said recesses having apertures centered in their bottoms through which the floating ends of said inner tubes protrude a substantial distance into the recesses, packing within the recesses and around the floating ends of the inner tubes, a U-tube having the legs thereof extending over the floating ends of the inner tubes, the diameter of the legs of the U-tube, where they extend over the floating ends of the inner tubes, being sufficiently greater than the diameter of the floating ends of the inner tubes to permit free longitudinal movement of said floating ends, external flanges on the ends of said legs, and screw collars around said legs threaded into the outer ends of said recesses and bearing on the flanges and compressing the packing.

2,274,234
OIL SEAL FOR MOVING PARTS
Eloy D. Ekkebus, Mount Prospect, and John C. Gallagher, Chicago, Ill., assignors to Chicago Belting Company, Chicago, Ill., a corporation of Delaware
Application November 9, 1940, Serial No. 365,030
2 Claims. (Cl. 288—3)



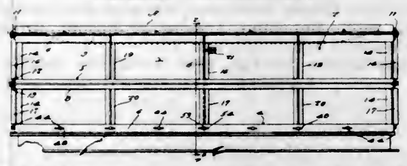
1. In a unitary oil seal structure for shafts and the like an integral, annular, relatively massive body of compressible, flexible material, said body having a generally cylindrical exterior surface and generally parallel end faces, said end faces being penetrated by circumferential channels of generally semi-circular cross-section, said channels being located substantially closer to the inner than to the outer face of said annular body, and penetrating said body to a depth substantially less than half the axial length of the body, the inner face of said body being generally cylindrical and being divided into two parts by a relatively shallow channel having an axial extension exceeding its depth, said inner face at opposite sides of the central channel being slightly oppositely tapered from a minimum diameter at each end toward a maximum diameter adjacent the central channel, the minimum diameter of the inner face, prior to the application of the oil seal to a shaft, being slightly less than the diameter of the face to which it is applied, the width of the connection between the annular body and the lip portions defined between said channels being greater than the depth of the connecting channels and being sufficient to subject the lip portions as a whole to the compression of the massive annular body, while permitting a slight flexure of the lip portions.

2,274,235
EXTENSION BRACKET
Percy D. Gandillon, Gainesville, Tex.
Application December 3, 1941, Serial No. 421,513
6 Claims. (Cl. 123—198)



1. An adjustable bracket comprising a plurality of end members and an intermediate member, each end member having a substantially flat top portion, a leg and a foot, the leg connecting the foot to the top portion, the intermediate member being substantially flat and contacting the flat top portions of the end members, each of the top portions of the end members being provided with means adapted to permit a bolt to pass therethrough at various positions arranged lengthwise of said top portion, the intermediate member having means to allow bolts to pass therethrough at various positions lengthwise thereof, and bolt means passing through the bolt receiving means of the intermediate member and the top portions of the end members for rigidly securing said members together.

2,274,236
MOLD
Eugene E. Hopkins, Chicago, Ill.
Application May 26, 1939, Serial No. 275,972
4 Claims. (Cl. 25—130)



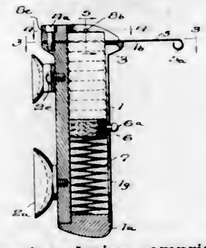
1. Mold apparatus comprising a frame-like support adapted to be disposed in horizontal elevated position, and having an uninterrupted passage therethrough a mold frame fitting upon said support flush with the inner edges of the latter, a core section movable vertically through said opening in the support and fitting in said

frame when in raised position and means for detachably securing said core section to said frame comprising fastener members movable inwardly of said frame and core section from the exterior of the apparatus to releasing position within said core section, and adjustable in the releasing position thereof to lock the same in said position.

2,274,237
PROCESS FOR THE REMOVAL OF METALLIC MAGNESIUM FROM MIXTURES OF BERYLLIUM AND MAGNESIUM
Gustav Jaeger, Neu-Isenburg, and Alfred Rudert, Heilbronn, Neckar, Germany, assignors to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application June 13, 1940, Serial No. 340,366. In Germany May 27, 1939
3 Claims. (Cl. 75—121)

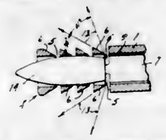
1. A process for the purification of impure beryllium containing magnesium as well as other metallic impurities which comprises treating the impure beryllium in subdivided form with dilute nitric acid at a temperature not exceeding 60° C.

2,274,238
DISPENSING DEVICE
John R. Henderson, III, and William B. Jenkins, Jr., Fredericksburg, Va.
Application July 26, 1940, Serial No. 347,798
11 Claims. (Cl. 312—48)



1. A dispensing device comprising a tubular container for receiving a wrapped package of articles to be dispensed, said container being closed at one end and having a flanged surface surrounding the opposite open end, a U-shaped headpiece mounted upon said flanged surface surrounding said open end and providing a transverse discharge chute adjacent said open end, a flat cutting blade supported between said flanged surface and said headpiece and adapted to reciprocate across the open end of said container, and stop means supported on said headpiece for holding said wrapped package in a position where the outermost article is positioned between the arms of said headpiece and above the plane of said blade.

2,274,239
RECOIL DEVICE
Robert H. S. Hughes, Baltimore, Md.
Application April 25, 1938, Serial No. 204,174
2 Claims. (Cl. 89—14)



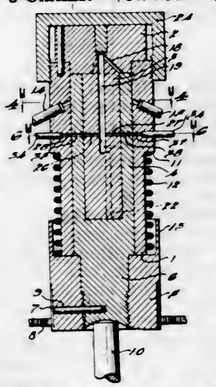
1. Recoil reducing means for guns adapted to fire projectiles comprising a cylindrical member constructed to be supported by the gun barrel and to project in advance of its muzzle, said member having a bore of uniform diameter to line with the bore of the barrel through which the projectile may pass, and having a series of relatively narrow circumferentially extending slots in its wall spaced apart longitudinally of said member and constituting ports for the discharge of products of combustion directly to the atmosphere, the forward surfaces of said slots defined by the member inclining forwardly and outwardly to approximately the rear edge of the next slot in the series, and the rear edge of each slot extending outwardly in a substantially radial direction.

2,274,240
SUSPENDED ARCH FOR FURNACES
Lester L. Ladd, Lockport, Ill.
Application December 6, 1940, Serial No. 368,765
6 Claims. (Cl. 110—99)



1. A suspended arch for furnaces, comprising, in combination, laterally spaced beams having horizontal flanges on their lower edges, said beams spanning the top of the furnace and supported at their ends on the side walls of the furnace, laterally spaced rows of fire brick hangers formed on their upper ends with shoulders by which they are slidably suspended on said beam flanges and on their lower ends with slab-supporting shoulders, the hangers of each row being disposed in side to side contact with each other, and flat fire brick slabs supported at opposite edges thereof on adjacent lower shoulders of adjacent rows of said hangers, the slabs of each row being in edge to edge contact with each other, and each of said slabs being independently removable from its position between adjacent hangers without disturbing the latter.

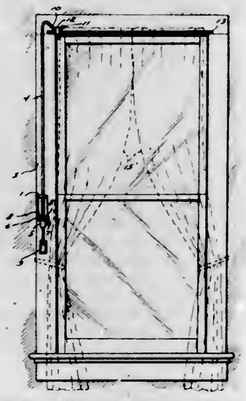
2,274,241
INJECTOR FOR INTERNAL COMBUSTION ENGINES
Savarian F. Lemanski, Detroit, Mich.
Application July 15, 1940, Serial No. 345,631
3 Claims. (Cl. 103—2)



1. In an injector for internal combustion engines, a housing, a piston fixedly mounted in the

housing and spaced from the wall thereof, a sleeve movable into the housing and fitting over the piston to provide compression chambers, inlet ports in the housing in communication with one of said chambers, means for moving the sleeve into the housing, the piston being provided with fuel intake and discharge channels and fuel discharge ports in communication with the compression chambers and the sleeve being provided with a multiplicity of discharge ports arranged to align with the piston ports as the sleeve is moved inwardly, means for turning the sleeve to bring a greater or smaller port area into alignment with the piston ports during inward movement of the sleeve, the housing being provided with a pair of discharge ports in fixed alignment with the piston ports and arranged to allow flow of fuel mixture from the piston ports through the sleeve ports to the discharge ports of the housing.

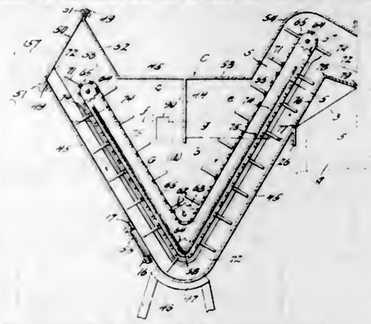
2,274,242
ADJUSTABLE CURTAIN FIXTURE
Mitchell Lipski, Chicago, Ill.
Application April 23, 1941, Serial No. 389,972
5 Claims. (Cl. 156—22)



1. A curtain fixture comprising a bracket mounted on a window frame, a post mounted for vertical sliding adjustment on said bracket, means for releasably securing said post in adjusted position on the bracket, an arm on the upper end of the post, a curtain rod, and means adjustably connecting said rod to said arm.

2,274,243
CHAMBER CHARGING MECHANISM
Ronald B. McKinnis, Winter Haven, Fla., assignor to Sunshine Foods Inc., Winter Haven, Fla., a corporation of Florida
Original application August 11, 1938, Serial No. 224,388. Divided and this application May 15, 1939, Serial No. 273,790
5 Claims. (Cl. 214—17)

1. A conveying mechanism for transferring buoyant bodies between atmospheres of different gases comprising a casing connecting the atmospheres having receiving and discharging openings, a liquid within the casing sealing one atmosphere from the other, trough means on the lower wall of the casing extending from the receiving opening to the discharging opening through which the buoyant bodies are adapted to move, means to move the buoyant bodies through the trough means, and retaining means cooperating with the trough means and moving means to maintain the buoyant bodies immersed



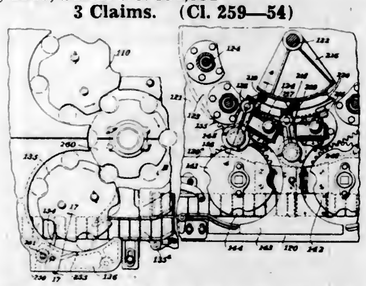
in the liquid during their movement from one atmosphere to the other.

2,274,244
CUTTING BLADE ADJUSTMENT FOR BORING BARS
Frank P. Miller, Meadville, Pa.
Application June 14, 1938, Serial No. 213,666
6 Claims. (Cl. 77—58)



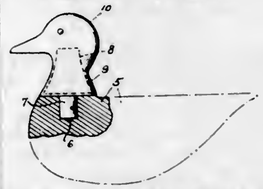
5. In combination with a boring bar having a blade receiving bore, a blade adjustably mounted in said bore, the inner end portion of said blade being provided with a threaded axially extending diametrically split cylindrical socket adapted to be bodily contracted under pressure, an adjusting screw threadedly engaged in said socket, and means for applying pressure to the threaded socket portion of said blade to contract the same upon said adjusting screw and thereby establish tight mating engagement of the threads of the screw and blade socket.

2,274,245
MIXING METHOD AND APPARATUS
George W. Newton, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application July 5, 1939, Serial No. 282,871. Divided and this application August 30, 1940, Serial No. 354,881
3 Claims. (Cl. 259—54)



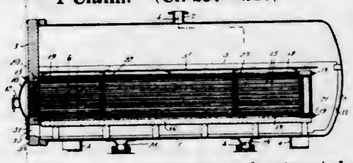
1. The method of mixing the contents of a closed container having therein a lower strata of syrup, a superposed body of carbonated water and with the headspace filled with a gaseous fluid at substantially atmospheric pressure, comprising subjecting the container to a blow while the latter is upright and the syrup is not mingled with the upper portion of the body of water so that the surface tension of the water is at a minimum, the blow being of sufficient force to cause a portion of the gas in the carbonated water to bubble to the surface of the water to establish a higher pressure in the container headspace.

2,274,246
HEAD FOR DECOY DUCKS
Fred P. Riddell, Milwaukee, Wis.
Application February 21, 1941, Serial No. 380,053
2 Claims. (Cl. 43—3)



1. A decoy duck comprising a body portion having a socket in its front upper part, a hollow rubber head, a substantially conical plug having a flat apex and a periphery lying on inwardly directed arcuate lines extending from its base to its apex, the plug being removably secured in the head, and a cylindrical stem formed on the plug, said stem being seated in the socket of the body portion.

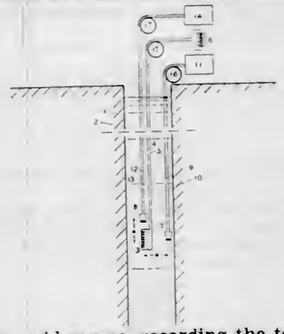
2,274,247
HEAT EXCHANGER
Kenneth B. Ris, Garden City, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application August 2, 1938, Serial No. 222,588
1 Claim. (Cl. 257—240)



A heat exchanger comprising a horizontal shell, a vertical partition in said shell providing therein a heating chamber and a preheating chamber communicating therewith over the top of said partition, separate tube bundles in said chambers and means for holding the opposite ends of said tube bundles in substantially fixed relation to each other, whereby changes in tube temperature cause lateral distortion of the tubes, said partition being spaced from the shell at points below the top of the partition and extending to the bottom thereof to provide restricted flow of fluid from one chamber to the other at these points.

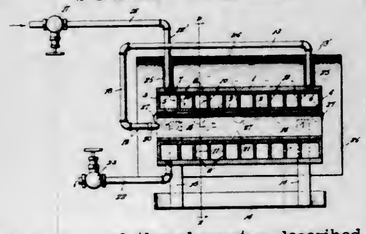
2,274,248
WELL SURVEYING METHOD
Serge Alexander Scherbatskoy and Jacob Neufeld, Tulsa, Okla., assignors to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application May 7, 1937, Serial No. 141,364
5 Claims. (Cl. 73—51)

1. Method of exploring characteristic differences between geologic strata traversed by a bore hole, consisting in moving a source of heat through the bore hole to successively expose each stratum individually to the heat, recording the temperature at a determined horizontal distance



from the said source, recording the temperature at a determined vertical distance from the said source, and comparing both temperatures as a measure of the varying character of the traversed strata.

2,274,249
BURNER
Clay C. Simpson, San Angelo, Tex.
Application November 9, 1938, Serial No. 239,706
2 Claims. (Cl. 158—53)

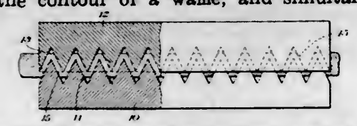


1. A burner of the character described comprising a tubular body, a tube extending longitudinally through said body axially thereof, end disks removably carried by portions of said tube and fitting snugly into end portions of said body to provide closures for ends of the space within the body about the tube, the said space constituting a conversion chamber, other disks fitting about said tube and each being formed with integral sleeves fitting snugly about the tube between the disks to maintain the disks in spaced relation to each other longitudinally of the tube and divide said conversion chamber into a plurality of sections communicating with each other through openings formed through the disks, the first-mentioned disks constituting means for holding the last-mentioned disks firmly in place about the tube, means for delivering liquid fuel into the forward end portion of the conversion chamber, and a conduit leading from the rear end portion of the conversion chamber for conducting gaseous fuel therefrom and delivering the same into the front end of said tube for mixing with air in the tube and forming a combustion mixture.

2,274,250
PROCESS FOR TENDERING STEAK
Nathaniel J. Simpkins, Atlanta, Ga.
Application April 22, 1941, Serial No. 389,811
2 Claims. (Cl. 99—107)

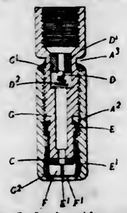
1. The process of tendering a steak consisting

of freezing the steak solid, deforming the steak in the contour of a waffle, and simultaneously



with the deforming step cutting squares in the top face of the steak without puncturing the steak.

2,274,251
DETACHABLE COUPLING FOR LUBRICATING APPARATUS
Frederic Reginald Stanley, London, England
Application June 4, 1941, Serial No. 396,618
In Great Britain January 2, 1941
2 Claims. (Cl. 285—170)

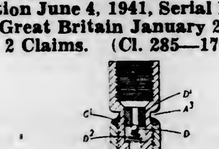


1. A coupling for lubricating apparatus comprising only three main parts, i. e., a tubular portion having an outlet at one end, a tubular collet movable axially upon the body and having a plurality of integral resilient jaws, said jaws surrounding the body and extending beyond the outlet, and an internally screw-threaded sleeve enclosing the jaws and movable axially therewith upon the body when rotated relatively to the latter so as to draw and clamp the outlet end of the body against the lubricant-receiving nipple and to prevent the jaws from spreading.

2,274,252
COMPOSITION
Arthur P. Tanberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 13, 1938, Serial No. 201,852
12 Claims. (Cl. 99—95)

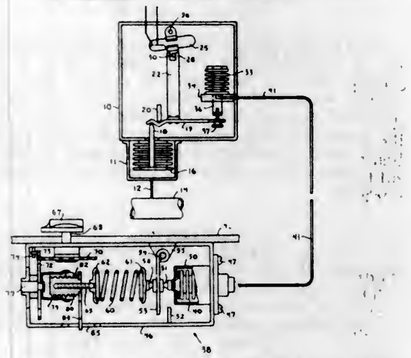
1. A dry stable solid composition comprising sulfamic acid and an inorganic salt soluble in acid solution with evolution of a gas.

2,274,253
DISPLAY CARTON
Charles A. Howell, Chicago, Ill., assignor to The Pharma-Craft Corporation, Incorporated, Louisville, Ky., a corporation of Delaware
Application April 24, 1939, Serial No. 269,751
5 Claims. (Cl. 206—44)



3. An improved carton for container units comprising a container body composed of front and rear and top and bottom walls with open ends to receive the container unit, said front wall having an opening to receive a part of the unit whereby to center the unit in the body and to reveal a portion of the unit on the outside of the carton body, the side portions of the unit being revealed through the open ends of the carton body, and a false front wall carried by said top wall and foldable beneath said first mentioned front wall, said false front wall having an opening therein registering with the opening in said first mentioned front wall, said container unit having a substantially annular groove extending around in a plane approximately parallel with the plane of said front wall, and wings foldable about the front wall inwardly of the open ends through angles approaching 180° from the plane of the front wall before the free edges of said wings snap into said annular groove of the container unit.

2,274,254
REMOTELY ADJUSTABLE CONTROL
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 16, 1939, Serial No. 309,625
4 Claims. (Cl. 137—156)



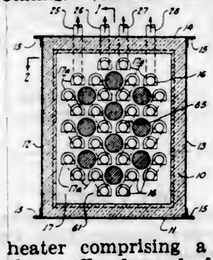
1. In a condition responsive device, in combination, a first expansible envelope the pressure in which depends on the value of a variable condition, a pivoted lever a first portion of which is operatively connected to said envelope, control means adapted to be actuated by said lever on rotation thereof, a second expansible envelope the volume of which is changed by movements of said lever, said second expansible envelope being operatively connected to a second portion of said lever, a third expansible envelope, a tube connecting said second and third envelopes and a substantially noncompressible liquid filling said second and third envelopes and said tube, a spring tending to reduce the volume of said third envelope and manually operable means for adjusting the tension of said spring for adjusting the control point of the device.

2,274,255
FISHING LINE
James E. Pierce, Bay City, Mich., assignor to Pierce Plastics, Inc., Bay City, Mich., a corporation of Michigan
Application August 12, 1940, Serial No. 352,226
1 Claim. (Cl. 43—27)



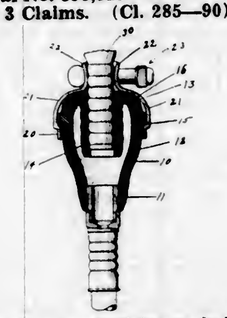
A fishing line comprising a single tubular strand formed from a thermoplastic material having a tensile strength of at least 20,000 pounds per square inch, the specific gravity of the said tube and gas therein being less than that of water.

2,274,256
FLUID HEATER
Frank H. Praeger, Cynwyd, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application August 24, 1939, Serial No. 292,313
8 Claims. (Cl. 122—356)



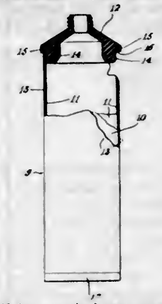
1. A fluid heater comprising a plurality of elongated tubular muffles formed of a heat radiating material, a plurality of tubes disposed in spaced relation with, and circumferentially of, each of said muffles, certain of the tubes being disposed in said circumferential relation with respect to at least two of said muffles for receiving concurrently therefrom radiant heat on different heat-absorption areas thereof, means located within the region occupied by said muffles for supporting said tubes and said muffles, a tube-sheet for supporting said tubes in spaced relation from the discharge ends of said muffles, said last-named tube-sheet having openings around the sides and above each of said tubes for the passage therethrough of combustion gases in convection heating relation with said tubes, and means for circulating through said tubes fluid to be heated.

2,274,257
CONNECTOR
Earl Lewis Rockwood, Toledo, Ohio, assignor to Gifford D. Davis, South Orange, N. J.
Original application July 18, 1940, Serial No. 346,086, now Patent No. 2,247,311, dated June 24, 1941. Divided and this application May 28, 1941, Serial No. 395,516
3 Claims. (Cl. 285—90)



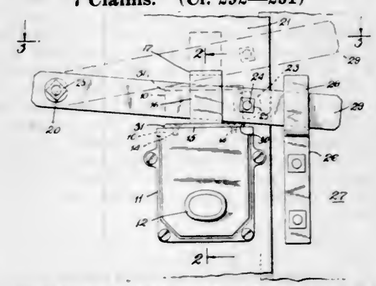
1. A connector comprising a hollow resilient body of progressively decreasing diameter, an inwardly and upwardly extending resilient flange integral with said body, a downwardly extending hollow resilient means integral with said flange, depending therefrom and disposed in said body, a rigid shell surrounding said body, a rigid band surrounding said flange and coupled with said shell, a nipple extending inside and outside of said shell, said nipple carried by said shell and body and making a watertight connection therewith, the lower portion of said resilient body located between the lower portion of said shell and the upper portion of said nipple.

2,274,258
CONTAINER
Walter A. Roselle, New York, N. Y.
Application October 30, 1939, Serial No. 301,886
5 Claims. (Cl. 221—60)



3. A collapsible container comprising an integral top member of molded plastic non-metallic composition having a transversely continuous rigid supporting flange or wall, an end wall or abutment extending outwardly from said flange and a tubular flexible body formed of laminations of metallic foil and of plastic film, said body fitting over said flange and being of less thickness than the flange, at least the inner and outer surfaces of said body adjacent the top being of material similar to that of the top and the inner surface being pressed against and autogenously welded to the top along the flange, the end wall or abutment being also welded to the ends of the inner and outer surfaces of the body and the end of the laminated body hermetically sealed.

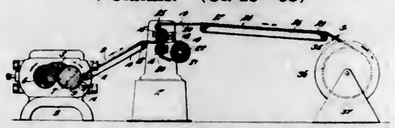
2,274,259
LATCH LOCK
Eduardo Russo, New York, N. Y.
Application August 30, 1941, Serial No. 408,958
7 Claims. (Cl. 292—231)



1. In a locking device wherein a pivoted latch bar is mounted on a door and a keeper is secured to the jamb of the door, the combination of, a casing, a movably guided bolt within said casing and extending in a direction transverse to said bar, a plate secured to said bolt, and an inverted channel shaped member secured to said plate for movably receiving said latch bar, the latter extending beyond the ends of said plate and having a free end removably inter-

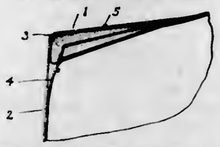
locking with said keeper, said plate upon the projection of said bolt out of said casing contacting said latch bar to tiltably raise said latch bar to remove the latter from said keeper.

2,274,260
METHOD OF PRODUCING PERMEABLE BODIES
Herman J. Scheihammer, Whitestone, N. Y., and Donald H. Coursen, Butler, N. J., assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application June 6, 1939, Serial No. 277,586
7 Claims. (Cl. 18—53)



1. The method of producing a strip of undistorted vulcanized permeable hard rubber composition which consists in preparing a preliminary strip of uncured permeable hard rubber composition, passing the preliminary strip of rubber composition and a strip of unglazed unstretchable paper in direct contact with the strip of rubber composition through calender rolls whereby the strip of rubber composition and the strip of paper are attached so tightly together as to be substantially relatively unmovable, then wet vulcanizing the strip of rubber composition with the strip of paper attached thereto, then permitting the strip of vulcanized rubber composition and the strip of paper to dry and thereafter removing the strip of paper from the strip of rubber composition.

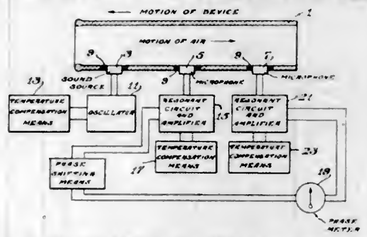
2,274,261
SHOULDER PAD
Sol Vogel, New York, N. Y.
Application December 20, 1940, Serial No. 370,932
4 Claims. (Cl. 2—268)



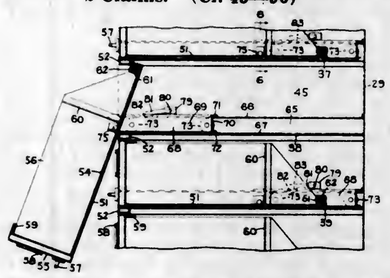
1. A shoulder pad comprised of two fan-shaped elements resting one above the other and joined together at the narrow part, the wide part of the upper element extending beyond the wide part of the lower element and the lower element being wider than the upper element, the part of the upper element extending beyond the lower element providing an excess of material which can be compacted, bent over, and against the lower element to retain a square shoulder at the pad's thick end.

2,274,262
AIR SPEED INDICATOR
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,691
7 Claims. (Cl. 73—194)

1. A device for indicating velocity including a source of sound waves, a pair of pickup devices responsive to said sound waves, means effectively connected to said pickup devices for indicating the velocity of the medium passing said source and said devices as a function of the phase of said sound waves, and means for changing the frequency of said sound as a function of temperature of the medium to thereby indicate the velocity within limits independent of said temperature.

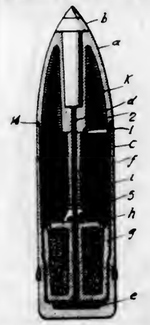


2,274,263
FILE CABINET
Palmer Bescherer, York, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware
Application January 13, 1940, Serial No. 313,686
2 Claims. (Cl. 45—96)



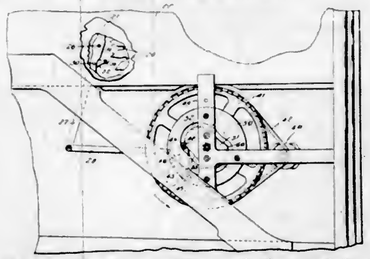
2. In combination with an enclosing case or cabinet having a top, side and rear walls, a bottom, and an open front formed along its upper portion with a depending transverse flange, a channel member secured to each side wall and having upper and lower substantially horizontally disposed flanges projecting inwardly therefrom, said channel constituting guides, a second channel member constituting a drawer carriage and having side sections arranged in parallel relationship with the side walls of the case and a rear end section connecting said side sections, said carriage having upper and lower substantially horizontally disposed outwardly projecting flanges arranged to overlie the upper and lower flanges respectively of said guides, a plurality of rollers supported in spaced relation by each side section of said carriage and having rolling contact with said guides whereby said carriage may be moved inwardly and outwardly of the case, an opening formed in said guide, an arm having an end portion pivotally connected to the side of said carriage and having its free end formed with a lug adapted to enter said guide opening and thereby limit the outward movement of said carriage with respect to the case, said arm having a cam surface to cause said arm to become disengaged from said guide when force is applied to the carriage to move the same inwardly of the case, a drawer or tray pivotally connected to the front of said carriage, and a contact piece carried by said drawer or tray and adapted to engage said front transverse flange to thereby limit the tilting movement of said drawer or tray when said carriage is outwardly disposed with respect to the case.

2,274,264
AERIAL MINE
Erich Bickel, Baden, near Zurich, Switzerland
Application October 31, 1938, Serial No. 237,951
In Switzerland March 18, 1937
8 Claims. (Cl. 102—29)



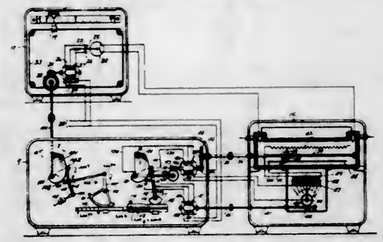
1. An air defense device comprising a projectile having a head piece provided with a substantially annular cavity, a parachute folded therewithin, a wire connected at one end with said parachute and being coiled into a compact spool body closing said cavity, and an explosive bomb connected with the other end of said wire, said folded up parachute, said spool and said bomb all having substantially the same outside diameter and being positioned coaxially and in line with and directly adjacent to one another, and a separating charge disposed for acting between said bomb and said spool body for separating said bomb from said spool body.

2,274,265
WINDOW OPERATING MECHANISM
Daniel L. Chandler, Salem, George W. Ewing, Peabody, and Frank H. Walker, Salem, Mass., assignors to Aresee Company Inc., Salem, Mass., a corporation of Massachusetts
Application February 15, 1940, Serial No. 319,036
3 Claims. (Cl. 268—124)



1. In combination with a window raising and lowering mechanism having a base member and a segmental member pivoted thereon with V pointed teeth located on its periphery, and an operating lever having V pointed cam fingers pivoted thereon with back portions engaging with a cam finger slide slidably mounted on said base member, the V pointed portions of said cam fingers engaging against the V sides of said V pointed teeth on said segmental member, an oscillating lever pivoted to said operating lever, the said oscillating lever having a lost motion period at the beginning of each oscillating movement, a continuous rotating sheave, a crank lever arm pivoted to the side of said sheave, a cam track located adjacent said sheave and fixed against rotation, a cam lever and cam roll fixed to said crank lever arm, said cam track having a high and a low point with respect to the central point of said sheave, a reciprocating lever connecting with said crank lever arm and said oscillating lever.

2,274,266
ISOSENSITIVE REGULATOR
Charles O. Fairchild, St. Albans, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application October 11, 1937, Serial No. 168,445
25 Claims. (Cl. 236—1)



2. A regulated system comprising, in combination, a process in which a physical variable of the potential class, such as temperature or pressure, is to be regulated by controlling the rate of supplying a physical quantity, which increases the value of such potential when increased, and a regulator for said process comprising a measuring element positioned in correspondence with the value of the potential, and a controller operatively connected with the measuring element and governed thereby through a predetermined operating range to therein control the quantity-rate in an accurate inverse constant-exponential relation with the measured value of the potential, whereby the overall sensitivity of regulation is substantially constant over the major portion of such operating range.

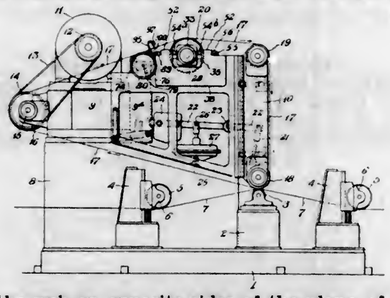
2,274,267
INSECT REPELLENT
Philip Granett, New Brunswick, N. J., assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Original application June 4, 1938, Serial No. 211,819. Divided and this application March 18, 1941, Serial No. 383,921. In Canada March 4, 1937
7 Claims. (Cl. 167—22)

1. An insect repellent composition which contains one of the group consisting of dibutyl l-malate, diethyl dl-malate, benzyl lactate, and tetrahydrofurfuryl lactate.

2,274,268
APPARATUS FOR CONTROLLING TRAVELING WEBS
Lad L. Hercik, Lakewood, Ohio, assignor to The Hill Acme Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1940, Serial No. 337,326
16 Claims. (Cl. 271—2.6)

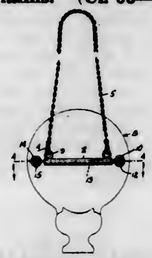
1. In apparatus for controlling traveling webs subject to lateral deviations from a desired normal path, mechanism adapted, when actuated, to correctively guide the web to the desired path, a control device adapted to actuate the mechanism and including a relatively light tiltably

mounted wing yieldingly held in one of two terminal tilted positions, a source of air under pressure producing a needle air jet adapted when impinging against the wing to tilt the wing to the other of the two terminal positions, said source and said wing being disposed adjacent one edge



of the web on opposite sides of the plane of the web and spaced from the web, said jet being intercepted by the web when the web deviates from the normal path and said device being actuated only during the interception of the jet and causing a corrective deviation of the web and a consequent discontinuance of said jet interception.

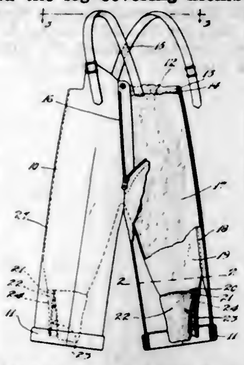
2,274,269
JEWELRY ATTACHMENT
Markus Jellinek, Larchmont, N. Y.
Application January 25, 1941, Serial No. 375,887
6 Claims. (Cl. 63—1)



5. An auxiliary article for converting a brooch type of article of jewelry into a pendant, comprising a tubular member adapted to slip over the pin of the brooch and a suspending member having each of its free ends secured to the ends of said tubular member.

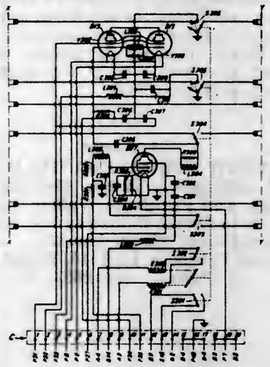
2,274,270
GARMENT
Aron Kalb, Astoria, Long Island, N. Y.
Application June 17, 1941, Serial No. 398,376
2 Claims. (Cl. 2—227)

1. A garment comprising a pair of trousers, an inner protective member comprising a pair of leg covering members having open lower ends, said leg covering members being substantially coextensive with the legs of the said pair of trousers and supported from the waistband of the trousers, contractible cuff members secured to the open lower ends of said leg covering members, said cuff members being provided with longitudinal slits to enable them to normally assume an open position to facilitate donning the garment, means carried by the contractible members to close said slits when the garment is worn, the outer side of each leg covering member being secured for substantially the major portion of its length to the interior of the adjacent portion of the respective trouser legs in position to normally hold the leg covering members and their



cuff members within and above the open lower ends of the trousers and to limit the movement of the leg covering members within the trousers.

2,274,271
TRANSMITTING SYSTEM
Edmund A. Laport, Quebec, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1940, Serial No. 365,891
9 Claims. (Cl. 250—17)



1. A transmitting system comprising a plurality of radio frequency channels, each channel including an oscillation generator and a final tuned output circuit, a power amplifier system and means for selectively switching said power amplifier system from the oscillation generator and tuned output circuit of one channel to the oscillation generator and tuned output circuit of the other channel and means operatively associated with said switching means to ground both terminals of the output circuit of that channel which is not operatively connected to the power amplifying system.

2,274,272
LUMINESCENT MATERIAL
Humboldt W. Leverenz, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application May 24, 1939.
Serial No. 275,475
9 Claims. (Cl. 250—81)

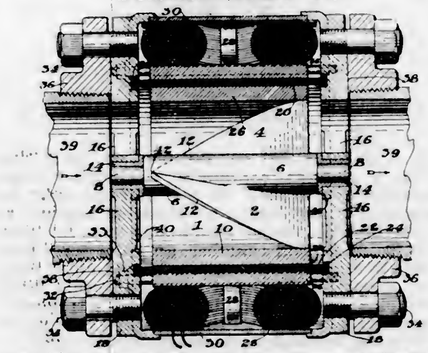
1. In the process of manufacturing luminescent materials of the silicate type, the step of adding silica in excess of the quantity required to give stoichiometric proportions.

2,274,273
WELL SPIDER
Earl J. Miller, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application February 13, 1941, Serial No. 378,699
19 Claims. (Cl. 24—263)



1. A well spider comprising an elongated supporting base, a uniformly tapered bowl formed in the supporting base, gripping slips mounted in said bowl, a supporting member pivoted to the slips at opposite sides of the bowl, a track for supporting and guiding the opposite end of each of the supporting members, and means connected to the intermediate portion of each supporting member for moving the slips upwardly and downwardly in the bowl.

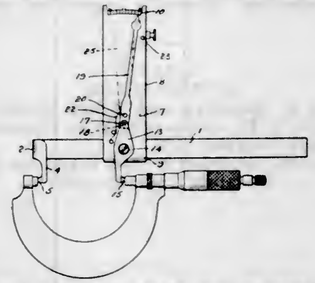
2,274,274
FLUID PUMP AND METERING DEVICE
Albert R. Perzilio, Philadelphia, Pa.
Application March 17, 1939, Serial No. 262,368
2 Claims. (Cl. 103—87)



1. In a device of the character stated, a sectional housing having end sections one of which forms an inlet and the other an outlet and having an outer casing clamped between said end members, the latter having annular grooves on their inner faces, preformed sealing means in said grooves, a non-magnetic open ended cylinder contributing with said housing to form stator and rotor chambers, means to secure said end members to said casing and thereby press the open ends of said cylinder against said sealing means, a stator in the stator casing, and a rotor within the stator and having a bladed shaft journalled in said end members.

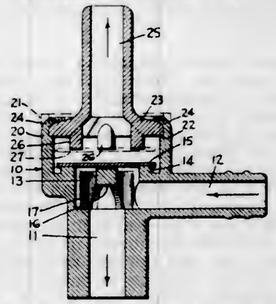
2,274,275
INSIDE CALIPER
Stanley E. Phillips, Vancouver, British Columbia, Canada
Application January 29, 1941, Serial No. 376,483
2 Claims. (Cl. 33—148)

1. In a precision measuring device having a bar provided with an anvil, a plate slidable upon the bar, a pivot upon the plate and a pointer upon the pivot, a contact lever upon the plate associated with the pointer, a graduated scale mounted on an axis concentric with the pointer pivot, a screw journalled from the plate and a nut



connected with said scale and engaged by the screw for moving the scale to correlate a graduation of said scale with the pointer.

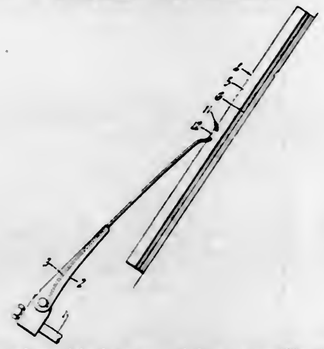
2,274,276
VALVE
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 25, 1938, Serial No. 215,897
1 Claim. (Cl. 251—119)



A check valve comprising a casing having a fluid passage therethrough and a second fluid passage extending laterally from the first fluid passage, an annular valve seat in said first fluid passage adjacent but out of the line of the juncture of said first and second fluid passages, said valve seat being directed away from said juncture, a flat relatively lightweight, disc valve for engaging said annular seat and adapted to be lifted therefrom under the influence of differential fluid pressure to open a circular valve passage through said annular valve seat, said first-mentioned passage being enlarged adjacent said valve seat and in a direction away from said second passage to provide a cupped valve housing portion terminating in an open end, a cover member secured over such open end to complete the valve housing, said cover member having spaced protuberances at its inner side to limit opening movement of said valve and a conduit portion leading away from the body of said cover member and having an opening formed therein in communication with the interior of the valve housing, and means disposed within said valve passage and having a flat valve supporting face extending parallel to and spaced inwardly of said valve seat whereby the valve will not normally contact the valve supporting face, said face being disposed centrally with respect to said valve seat to permit fluid flow when the valve is in an open position, the disposition of the valve seat, the valve housing and the valve

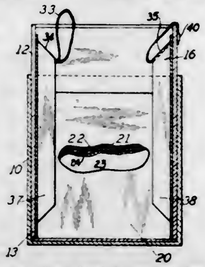
support being such as to avoid interference with direct flow through the second passage and the portion of the first passage which is in direct communication therewith when the valve is closed.

2,274,277
WIPER BLADE
Raymon E. Rousseau and Henry Walter Clum, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application November 9, 1940, Serial No. 365,080
9 Claims. (Cl. 15—250)



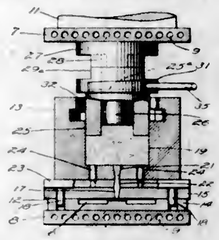
1. A wiper blade comprising a resilient wiping body of strip-like form having a wiping edge along one longitudinal margin, a channeled holder embracing the opposite margin and exposing a portion of the latter through an opening in its ridge or bight portion to provide a cushion pad for an actuating arm, and means rigid with the holder and overlying the pad to receive slidably the free end of the arm therebeneath for holding such associated arm in engagement with the pad, the slidable movement being longitudinal of the blade and the pad presenting a yielding friction face tending to hold the blade from sliding off such arm.

2,274,278
PACKAGE
George E. Sanders, Binghamton, N. Y., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application August 13, 1938, Serial No. 224,769
2 Claims. (Cl. 206—62)



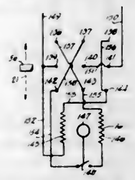
2. A package for light sensitive material including a relatively rigid outer container entirely open at one end, a relatively flexible inner container completely closed on all sides and slidably positioned within said outer container, one closed end of the inner container being closely adjacent the plane of the open end of the outer container, a plurality of sheets of light sensitive material in said inner container, and means for tearing open the end of the inner container located at said open end, said tearing means comprising a rip cord extending across and within only the said closed end of the inner container and having portions projecting exteriorly of said inner container at opposite sides of said closed end, one of said projecting portions being anchored directly and without substantial slack to the outer container closely adjacent the point at which said portion projects from the end of the inner container, said anchored portion preventing accidental withdrawal of the inner container from the outer container when the other projecting portion of said rip cord is pulled for opening said inner container.

2,274,279
MULTIPLE PRESSURE DEVICE FOR MOLDING PLASTICS
Frank H. Shaw, South Orange, N. J., assignor to Shaw Insulator Company, Irvington, N. J., a corporation of New Jersey
Application August 25, 1938, Serial No. 226,610
9 Claims. (Cl. 18—30)



8. A machine for molding plastics comprising a die, a cylinder containing a chamber communicating with said die for charging said die with plastic, and means for applying pressure to plastic in said chamber comprising an outer force plug fitting in said chamber, an inner force plug fitting in and movable relative to said outer force plug, means for applying pressure to said inner force plug, means including a ring for transmitting such pressure to the outer force plug to move said force plugs together in the same direction, means for locking said ring and said cylinder together to hold said outer force plug in fixed position in said chamber while pressure is applied to said inner force plug, and means for removing the outer force plug from said chamber.

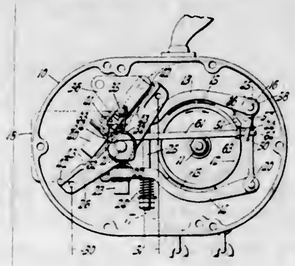
2,274,280
HOIST
Karl W. Stinson, Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 23, 1938, Serial No. 247,375
9 Claims. (Cl. 172—152)



9. An electric hoist, comprising a single-phase,

reversing electric motor of the type which continues its operation uni-directionally upon too rapid operation of the reversing means, a reversing control switch for said motor, said motor being operable substantially instantaneously upon closing of said switch, and means for delaying the reversal of the motor shaft, including a pivotally mounted control lever connected to said control switch and having two interspaced locking abutments, one arranged on each side of the center of oscillation of the lever, a resetting abutment formed on each end of said lever and at a point remote from each locking abutment, a detent bracket carried by the hoist, a detent pin carried by said bracket, and a normally inactive lock bar formed with a centrally arranged slot for pivotal and slidable engagement with said pin, said bar having its ends in interlocking relation with said locking abutment to hold said switch open only when the speed of operation of said lever is beyond a predetermined amount, and said bar being engageable with said resetting abutments to reset said bar when subsequent movement of the lever is in the same direction as the initial movement.

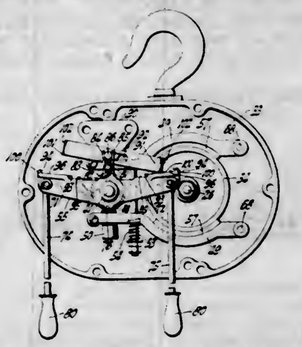
2,274,281
SAFETY STOP FOR HOISTS
Karl W. Stinson, Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Application February 7, 1940, Serial No. 317,739
19 Claims. (Cl. 192—2)



1. A hoist having a load-lift means, power means for raising the lift means, control means for the power means, brake means operable by the control means when out of a raising position to hold the lift means against movement, safety stop means normally operative and adapted to arrest the lift means upon failure of the power means, and means operable by the control means when in a raising position for disposing the stop means operable, whereby upon failure of the power means when lifting a load the lift means will be arrested, said stop means being inoperative in other positions of the control.

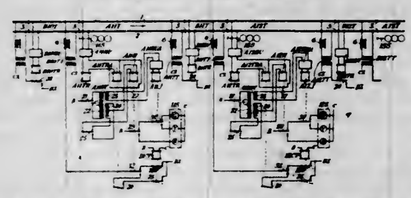
2,274,282
INTERLOCKING MEANS
Karl W. Stinson, Columbus, Ohio, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Original application December 23, 1938, Serial No. 247,375. Divided and this application February 27, 1940, Serial No. 321,047
18 Claims. (Cl. 74—565)

1. Interlocking means for electric controller switches, comprising a pivotally mounted control lever, means connecting the lever with the switch, and a slidable lock bar tiltably mounted above said lever and having both ends engageable with said lever for locking cooperation therewith, whereby said lever and said bar are



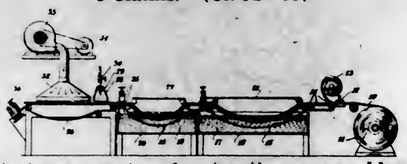
interlocked when the speed of operation of said lever is beyond a predetermined amount.

2,274,283
RAILWAY SIGNAL SYSTEM
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 17, 1940, Serial No. 330,122
12 Claims. (Cl. 246—38)



1. In a railway signaling system, in combination, a stretch of railway track having a pair of track rails over which traffic moves in a given direction, the rails having insulated joints therein to divide the track stretch into a plurality of successive block sections, the rails of each of the block sections being divided by insulated joints into a forward and a rearward portion, the forward portion of each block section having an electroresponsive device having a winding receiving energy over the rails of said portion, each such device being operative when and only when supplied with energy of a first character to effect the supply of energy of said first character to the rails of the rearward portion of the same block section and operative when not energized to effect the supply of energy of a second character to the rails of said rearward portion, the rearward portion of each of said block sections having electroresponsive means receiving energy from the rails of said portion, said means being operative when and only when supplied with energy of either the first or the second character to effect the supply of energy of the first character to the rails of the forward portion of the adjoining block section in the rear and being operative when not energized to continuously cut off the supply of energy to the rails of said forward portion of the adjoining block section in the rear, and traffic governing means for each of said block sections selectively controlled by the electroresponsive means associated with the rearward portion of said block section in accordance with the character of the energy supplied to the said means.

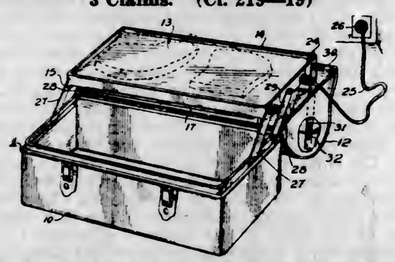
2,274,284
METHOD AND APPARATUS FOR TREATING MATERIALS
Herbert G. Vore, Jackson Heights, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application September 5, 1940, Serial No. 355,441
3 Claims. (Cl. 91—55)



1. An apparatus for treating paper blanks, comprising a reservoir containing a molten wax bath, conveyor means for passing said blanks through said bath, a cooling zone, conveyor means passing the wax-treated blanks from said reservoir through said cooling zone, means spraying a vaporizable liquid onto the blanks in said cooling zone in a quantity such that the heat of the blanks vaporizes at least the major part of said liquid and a drying zone including means to supply a current of cold air over said blanks for removing said vapor, said conveyor means carrying said blanks from said cooling zone through said last zone.

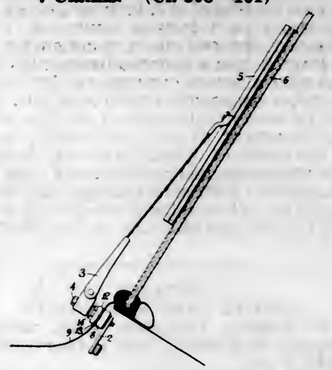
2. The process for preparing blanks for the formation of formed articles such as milk bottle caps, which comprises passing said blanks through a wax bath to impregnate the fibers thereof with said wax and to form a surface film of wax thereon, removing said blanks from said bath, spraying onto the surface of said blanks a vaporizable liquid in a quantity such that the heat of the blanks vaporizes at least a major part of said liquid, passing said blanks through a drying zone and in said drying zone rapidly removing the vapor laden air from contact with said blanks under conditions to utilize the heat of vaporization of said liquid as a cooling agent to cool rapidly the surface of said blanks to a point such that the wax film thereon solidifies.

2,274,285
COMBINED LUNCH KIT AND ELECTRIC GRIDDLE
Frank S. Walker, Los Angeles, Calif.
Application November 20, 1939, Serial No. 305,308
3 Claims. (Cl. 219—19)



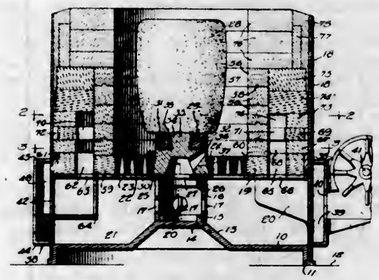
1. A combined lunch kit and electric griddle comprising in combination, a container, a cover hinged to the rear wall of said container, a griddle which when the cover is closed rests on the upper edges of the end walls of said container and connections between said container, said cover and said griddle for raising and lowering said griddle as said cover is opened and closed and maintaining said griddle in a plane parallel with the plane occupied by the top of the container during its movement toward and away from said container.

2,274,286
SHAFT BEARING
Frank H. Wieland, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 31, 1940, Serial No. 337,906
7 Claims. (Cl. 308—161)



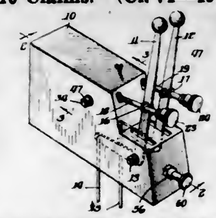
1. A shaft mounting comprising a shaft, a bearing sleeve providing journal support therefor, the sleeve having a part pressed into interlocking relation with the shaft to permit rotative movement while restraining axial movement relative to each other, and a mounting body portion cast about the sleeve and about the pressed-in part thereof to give support to the interlock.

2,274,287
CRUCIBLE FURNACE
Raymond D. York, University, and Charles M. Walker, Charlottesville, Va., assignors to Raymond D. York, trustee
Application September 30, 1940, Serial No. 359,114
13 Claims. (Cl. 263—11)



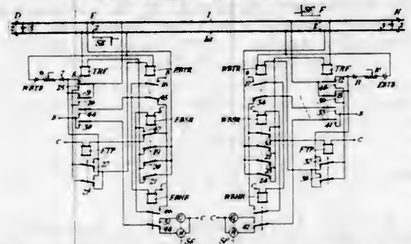
1. A crucible furnace comprising a wall structure, a grate within said wall structure, a draft chamber below said grate, said wall structure having a continuous horizontal passage formed therein above the level of said grate and provided with an opening communicating directly with said draft chamber, a preheating chamber surrounding said draft chamber and communicating with said passage solely at a point horizontally remote from said opening, and means for supplying air to said preheating chamber at a point remote from its point of connection with said passage.

2,274,288
CONTROL MECHANISM
Charles A. Arens, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application June 15, 1938, Serial No. 213,785
10 Claims. (Cl. 74—491)



1. In a control mechanism, a control member movable through a given range of travel, frictional means operable to frictionally hold said member in any position of adjustment within said range of travel, means to effect micrometer movements of said member while so held in position, means including a manually operable control handle, shiftable to determine the degree of frictional holding effectiveness of said holding means, and selectively releasable means for locking the shiftable means in any position within its range of movement.

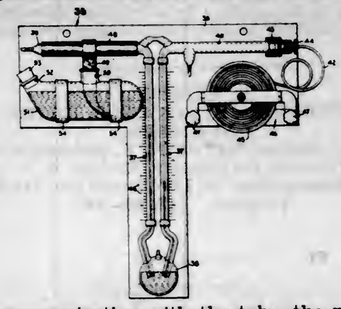
2,274,289
RAILWAY SIGNALING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 27, 1940, Serial No. 347,971
10 Claims. (Cl. 246—33)



1. In combination, a section of railway track, means located at each end of said section for supplying track circuit currents of opposing polarities to the rails, means controlled by a train approaching said section to render ineffective the current supplying means at the entrance end of the section and to connect a relay in circuit with the rails, and means controlled by said relay to maintain ineffective the current supplying means at the entrance end of the section until said section is vacated.

2,274,290
HYGROMETER
George E. Barnhart, Pasadena, Calif.
Application October 31, 1939, Serial No. 302,148
4 Claims. (Cl. 73—338)

3. In a device of the class described, a pair of capillary tubes, a hermetically sealed reservoir, one end of each of the capillary tubes extending into and being secured to the reservoir, liquid in the reservoir and extending into the capillary tubes, a bulb extending from each of said capillary tubes, each of said bulbs being closed, gas in each of said bulbs and communicating with the upper surface of the liquid in the tubes, a tube communicating with one of the bulbs, a diaphragm member responsive to the atmosphere



and communicating with the tube, the pressure of gas in said bulbs being less than atmospheric whereby the diaphragm member affects the height of the column of liquid in both of said capillary tubes.

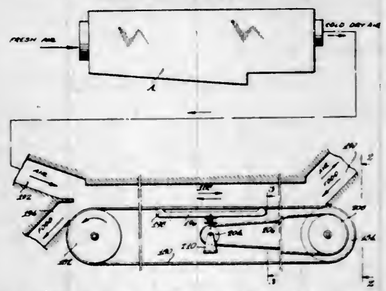
2,274,291
COMPOUNDED MINERAL OIL
James O. Clayton, Bruce B. Farrington, and Robert L. Humphreys, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 26, 1938, Serial No. 242,560
14 Claims. (Cl. 252—53)

5. A compounded lubricating oil comprising a mineral lubricating oil and a small amount of an organic phosphorus compound having the general formula:

$$(R')_a—P(XR'')_b$$

in which R' and R'' represent members selected from the group consisting of alkyl, aryl, alkaryl, and aralkyl groups; X is an element selected from the group consisting of oxygen and sulfur; a and b are integers selected from the group of numbers consisting of 1 and 2; and in which $a+b$ is always equal to 3.

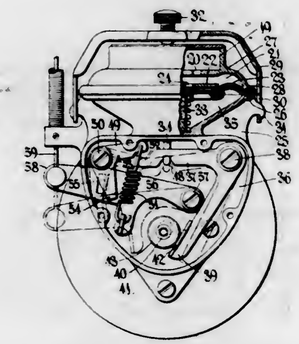
2,274,292
REFRIGERATING SYSTEM
Nicolai H. Hiller, Jr., Bronxville, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Original application August 26, 1937, Serial No. 160,942. Divided and this application March 1, 1938, Serial No. 193,227
4 Claims. (Cl. 62—104)



4. A method of freezing foods which comprises placing said foods loosely on a substantially flat

support, moving said support through an elongated chamber in intimate, direct contact with and in countercurrent relation to a stream of cold, neutral gas, and simultaneously therewith shaking said support in a vertical direction to agitate said foods and provide uniform freezing thereof.

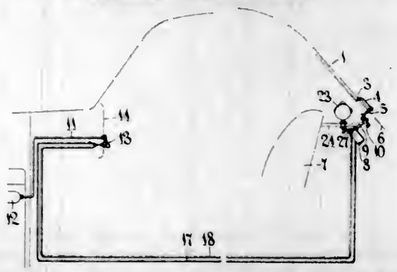
2,274,293
ACCESSORY SYSTEM FOR MOTOR VEHICLES
Erwin C. Horton, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 25, 1937, Serial No. 144,687
7 Claims. (Cl. 60—60)



3. An accessory system for motor vehicles having a power plant with a driving part comprising, in combination therewith, a fluid pressure operated accessory, an air pump connected to the accessory for supplying operating pressures thereto, means operable by the driving part of the power plant for operating the air pump, means movable to dissociate said air pump and said driving part, and control means for said accessory and said air pump, said control means being manually movable to initiate and discontinue operation of said motor and said pump and having therefor connection with the motor and the movable means for dissociating the air pump and its driving part, a snap action interposed between said control means and said movable means whereby initial manual movement of said control means loads said snap action and simultaneously operates to discontinue operation of said accessory subsequent to which the snap action, upon further manual movement, becomes sufficiently loaded to later snap and dissociate said air pump from its driving part.

4. A windshield cleaner system for motor vehicles, having a wiper with a fluid motor for reciprocating the same, a pump connected to the motor for supplying the latter with fluid under pressure, means for arresting the motor to park the wiper at one end of its path of movement, means for operating the pump from a driving part of the vehicle power plant and including a driven member with resilient means for holding it operatively related to said driving part, a disconnect device embodying a member for rendering the driven member inoperative and spring means releasable to operate said rendering member, and a manual control operable to actuate the arresting means and release the spring means successively whereby the wiper will be parked prior to the disconnection of the pump from the driving part.

2,274,294
WINDOW CLEANING SYSTEM
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 1, 1939, Serial No. 265,615
6 Claims. (Cl. 15—250)



1. A motor vehicle having a source of fluid pressure, a pressure actuated fan for defrosting the inner side of a vehicle window, a pressure operated wiper operable for a predetermined period to clean the opposite side of the window and then coming to rest, means operable in one position to connect and in another position to disconnect the fan to the source of pressure and when in said one position serving to cause the pressure to operate the fan indefinitely, and means acting to connect the wiper for such predetermined period of operation by and during the operation of said first means to connect the fan to the source.

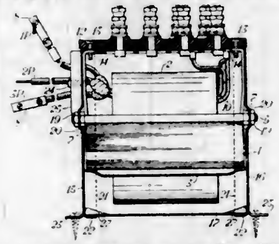
2,274,295
FLEXIBLE TRANSMISSION
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 3, 1939, Serial No. 288,196
6 Claims. (Cl. 74—222)



1. A flexible transmission of the character described, comprising a chain gear in which a wheel has a tooth engaged by a chain link and flaring from the base in the plane of rotation with a point on the leading edge at a substantial distance from its base being spaced from the base of the trailing edge of the tooth a distance greater than the length of the link opening, whereby on pivotal movement of the front end of the link away from the sprocket hub and about the back end as a point of fulcrum said front end will be obstructed by the tooth from passing freely thereover.

2,274,296
ELECTRICAL TRANSFORMER
Kenneth M. Hughes, Forest Hills, and Ralph Overholt, Jr., Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 12, 1940, Serial No. 369,814
2 Claims. (Cl. 175—361)

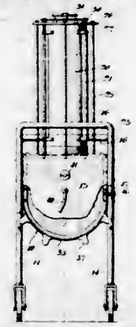
1. A transformer assembly comprising a laminated core and windings, two U-shaped brackets engaging the bottom and two ends of said core on opposite sides of said windings and secured to said core by means of bolts engaging the top of said core and projecting beyond the ends of said core, said bolts and said brackets serving to clamp the laminations of said core together, an insulating terminal board secured to the upper ends of said brackets and carrying terminal members connected by means of leads with at least one of the transformer windings, end plates secured to the opposite ends of said bolts and provided at each side and the bottom with flanges, and a central U-shaped closure member secured in place by means of said flanges.



2,274,297
METHOD OF TREATING EARTH AND ROCK FORMATIONS
Carroll Irons and Sylvia M. Stoesser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 16, 1938, Serial No. 246,082
26 Claims. (Cl. 166—22)

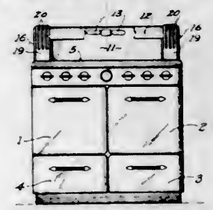
1. In a method of treating an earth or rock formation, the step which consists in introducing into the formation a resin-forming liquid capable of transformation into a solid resin.

2,274,298
PORTABLE STERILIZING UNIT
Edward L. Koch, Williston Park, and Edward B. Hallihan, Brooklyn, N. Y., assignors to George W. Gates & Co. Inc., New York, N. Y., a corporation of New York
Application February 27, 1941, Serial No. 380,886
8 Claims. (Cl. 250—91)



1. A portable sterilizing unit for rooms comprising a carriage mounted for movement from place to place, a source of sterilizing rays mounted vertically on the top of said carriage in a position to radiate said rays horizontally around the entire 360° wall area of a room and a source of sterilizing rays mounted on the bottom of said carriage to radiate said rays to the floor area which is shielded by the body of the carriage from the rays from said first source.

2,274,299
RANGE CONSTRUCTION
Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application September 16, 1939, Serial No. 295,324
4 Claims. (Cl. 126—39)



3. A range having a flat generally rectangular cooking top having a vertically disposed portion disposed at the extreme rear thereof and providing a back splasher which is positioned substantially flush with the rear wall of the range so as to permit the range to be positioned flush against a wall, a cooking compartment disposed below said cooking top and having one or more vent openings therein disposed adjacent the rear thereof for the escape of products of combustion, said cooking top having a pair of vent conduits secured to said back splasher and cooking top and disposed adjacent the rear corners of the range and providing a continuation of said back splasher and reinforcing the same and serving to direct the products of combustion forwardly.

2,274,300
FILING MACHINE
Josef Meyer, Dietikon, Switzerland
Application June 29, 1940, Serial No. 343,181
In Switzerland February 24, 1940
6 Claims. (Cl. 29—76)

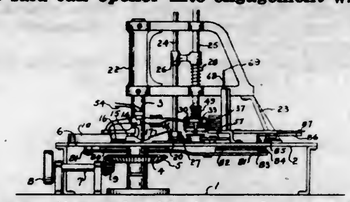


1. A filing machine comprising two guide pulleys, a flange on one side of each of said guide pulleys, a band on each of said guide pulleys pushed up to said flange, a guiding groove in said band, an adjusting ring on the rim of each of said guide pulleys, binding screws fixing said adjusting ring to said rim, and an endless filing band consisting of a steel band, composed of at least one sheet, and file elements having slots strung on said steel band loosely but lying next to each other to form said filing band, said groove conforming to the cross-sectional shape of said file elements and said file elements fitting in said groove.

2,274,301
MACHINE FOR AFFIXING CAN OPENERS TO CANS
Francis Millerd, Vancouver, British Columbia, Canada
Application September 5, 1939, Serial No. 293,382
4 Claims. (Cl. 29—84)

1. The combination with a can conveyor and a can opener feed of a device for applying to a can a can opener of the same length as the inner peripheral diameter of the can top, which consists of a can opener receiving plunger, means for picking up a can opener from the feed and holding it to the plunger, means upon the plunger for engaging the rim of the can top, means for

lowering the plunger to engage said rim and to force said can opener into engagement with op-

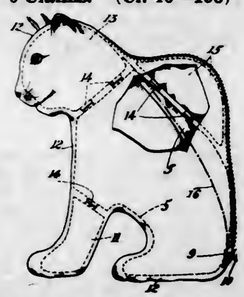


posing portions of said rim, and means for releasing the opener from the plunger.

2,274,302
COMPOUNDED OIL
Lloyd H. Mulit, Richmond, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 22, 1940, Serial No. 315,035
20 Claims. (Cl. 252—37)

1. A composition comprising a hydrocarbon oil, a small amount of a metal alcoholate sufficient to stabilize said oil against deterioration at elevated temperatures, and a salt of a substituted acid of phosphorus containing an organic substituent, said salt being present in a small amount sufficient to minimize the corrosive tendencies of the oil solution of metal alcoholate.

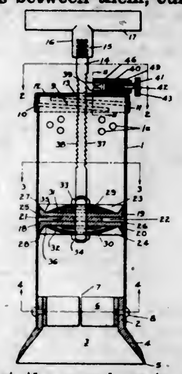
2,274,303
INTERCHANGEABLE FIGURE STRUCTURE
Martha Brunner Ornstein, New York, N. Y.
Application December 12, 1940, Serial No. 369,769
6 Claims. (Cl. 46—158)



1. A figure structure comprising an inner basic form of predetermined configuration, supplementary pad members adapted for placement against selected portions of said basic form whereby the said configuration thereof may be modified, and an outer covering with predetermined external characteristics enveloping said basic form and the said supplementary members, said covering being provided with an apertured portion for inserting said basic form and supplementary members, and closure means associated with said apertured portion.

2,274,304
PISTON
Clarence J. Perry, Los Angeles, Calif.
Application September 5, 1939, Serial No. 293,424
6 Claims. (Cl. 309—4)

2. In a piston for pumps and the like including resilient members having peripheral flanges which terminate into peripheral edges, means separating the members to form relatively large annular spaces between them, curved means ad-

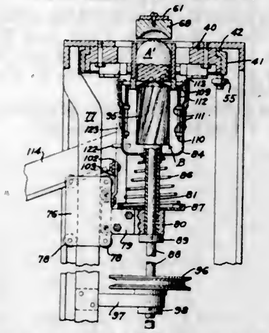


justable against the members to force the edges thereof outwardly.

2,274,305
LUBRICATING COMPOSITION
Theron P. Remy, Los Angeles, Calif.
No Drawing. Application May 6, 1938, Serial No. 206,400
6 Claims. (Cl. 252—58)

1. A liquid lubricating oil composition comprising a petroleum lubricating oil and a small proportion of chlorinated isoprene containing more than 50% chlorine.

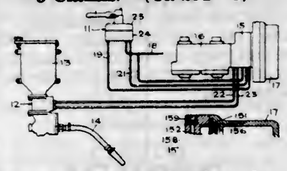
2,274,306
FRUIT JUICING APPARATUS
Ralston R. Smith, Vallejo, Calif.
Application March 7, 1939, Serial No. 260,347
13 Claims. (Cl. 146—3)



1. In an apparatus of the nature disclosed, the combination of a fruit holding and compressing means operable to receive a citrus fruit and compress the same to the form of a substantially cylindrical body of predetermined diameter with substantially semi-spherical ends and hold the citrus fruit against rotation during a juicing operation and to subsequently release the empty fruit shell, means for actuating said holding means, knife means for slicing a spherical segment from one end of said fruit to provide an opening affording access to the pulp body thereof, means for actuating said knife means, a pliable rotary reaming element generally cylindrical in external contour with its axis axially aligned with the longitudinal axis of the thus compressed fruit and said opening, and reciprocable means for ad-

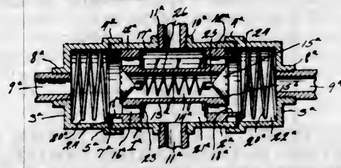
vancing said reaming element into the fruit through said opening to juice the fruit and for subsequently withdrawing said reaming element from the empty fruit shell.

2,274,307
CONTROL MECHANISM FOR RAIL SANDERS
Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 4, 1941, Serial No. 396,616
5 Claims. (Cl. 291—3)



1. A control valve mechanism for use with sanding traps of the type having a sanding air connection and a cleanout air connection, said mechanism comprising in combination, pressure operated means for supplying sanding air to the sanding connections; two impulse valve means each effective, upon the delivery of pressure fluid thereto, to deliver a fluid pressure impulse to the cleanout connection; and a sanding control valve having a sanding position in which it supplies air under pressure to said pressure operated means and to one of said impulse valve means, and a running position in which it vents said pressure operated means and delivers air under pressure to the other of said impulse valve means.

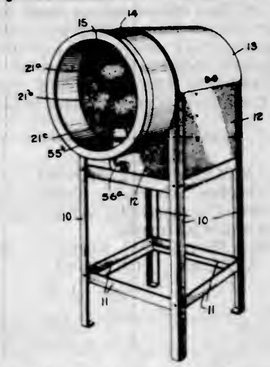
2,274,308
MULTIPLE WAY FLUID CONTROL VALVE
Carl A. Tschanz, Norwood, Ohio
Application April 19, 1941, Serial No. 389,435
6 Claims. (Cl. 277—21)



1. A flow control valve of the character described, comprising a cylinder having end walls each provided with a fluid port, a pair of pistons disposed in the cylinder and each having a tubular stem, the passage of each stem extending through the adjacent piston, said stems being in opposed relation and coacting to maintain the pistons in spaced relation, a lateral port opening into the cylinder in the area between the spaced pistons, a valve upon the outer side of each piston and covering the adjacent stem passage, each of said pistons having a second passage therethrough at one side of the stem, valves upon the adjacent faces of the pistons each covering a second-mentioned passage, and spring members in the ends of the cylinder and bearing against the pistons to normally force the same together.

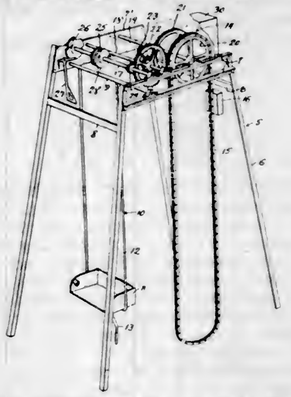
2,274,309
WASHER
Frank Xavier Velton, Chicago, Ill.
Application July 9, 1940, Serial No. 344,585
18 Claims. (Cl. 15—56)

1. In a washing machine of the class described, a plurality of brushes, spindles mounting said brushes for rotation, supports for said spindles permitting their radial adjustment, means for rotating said brushes including a flexible drive member interconnecting said spindles and means operatively connected with said brush mountings



and said flexible drive member for radially adjusting said brushes towards and away from one another to accommodate different sizes of articles to be cleaned and simultaneously compensating for either slack or take-up in said flexible drive member.

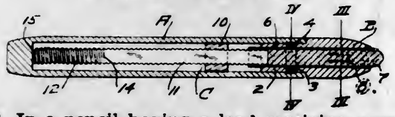
2,274,310
SWING
Ernest W. Walter, Haddonfield, N. J.
Application July 25, 1939, Serial No. 286,450
1 Claim. (Cl. 155—59)



A swing comprising an upright structure, a horizontal shaft journaled in the top of the structure, a sprocket wheel on the shaft, an endless chain passing over the wheel and extending to a point adjacent a surface on which the structure rests, a weight connected with the chain for imparting movement to the shaft and wheel when the weight moves downwardly, the weight being raised by pulling upon the chain, a second shaft horizontally arranged and journaled in the top of the structure, gearing connecting the two shafts together, a wheel fastened to the second shaft and having pins projecting from one face thereof, a ratchet wheel carried by the second shaft, a third shaft journaled in the top of the structure and located under the second shaft, a projection formed on the third shaft and en-

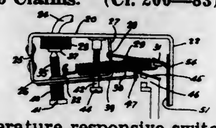
gaged by the pins of the wheel on the second shaft whereby the third shaft is rocked from the second shaft, a spring actuated dog pivoted to a part of the top of the structure for engaging the ratchet wheel, an arm depending from the dog and having an enlargement at its lower end, a pair of rods connected at their upper ends to the third shaft and extending downwardly, one rod engaging the enlargement of the depending arm during rocking movement of the third shaft for releasing the dog from the ratchet wheel and a seat supported by the lower ends of the rods.

2,274,311
MECHANICAL PENCIL
Charles E. Wehn, Alameda, Calif., assignor to Listo Pencil Corporation, Alameda, Calif., a corporation of California
Application May 5, 1941, Serial No. 391,855
8 Claims. (Cl. 120—18)



3. In a pencil having a lead receiving passage formed therein, a sleeve containing a lead insertable in said passage, manually operable means for advancing the lead through the sleeve to a writing position, means for retaining the sleeve against removal while the lead is being advanced, and means for ejecting the sleeve from the passage when the lead has been consumed.

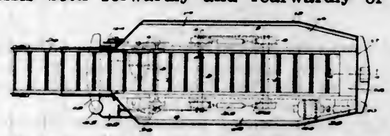
2,274,312
THERMOSTATIC SWITCH
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 21, 1941, Serial No. 375,188
6 Claims. (Cl. 200—83)



1. A temperature responsive switch controlling mechanism comprising, means actuated in response to temperature changes, a toggle comprising two arms, one pivotally supporting the other, said one arm engaging said means and having a finger for operating the switch, a tension spring connected between the arms and exerting a component of its force to urge the one arm toward and against the said means, and a manually operable member engaged by the other toggle arm, and adapted, when moved through a portion of its range of travel, to adjust said other arm gradually to shift the line of action of the spring and thereby correspondingly vary the component of the spring force upon said one toggle arm, said member, when moved through another portion of its range of travel being adopted to adjust said other toggle arm so that the component of the spring force will move said one arm to render the temperature responsive means completely inoperative and to open the switch with a snap action.

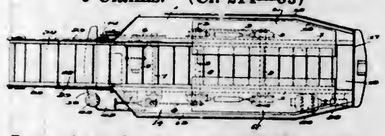
2,274,313
TRANSFER CAR
William Whaley, Knoxville, Tenn.
Application September 19, 1938, Serial No. 230,670
11 Claims. (Cl. 214—83)

1. In a conveyor vehicle, the combination of a wheeled chassis, power driving means thereon for propelling the chassis, a vehicle body containing a hopper for material and carried by and extending throughout the length of the chassis both forwardly and rearwardly of the



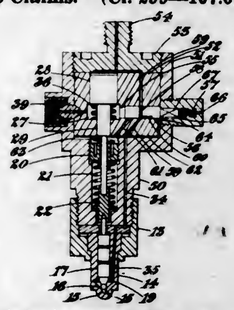
wheels thereof, a conveyor structure extending from said vehicle body in association therewith and having an approximately horizontal discharge section, and an inclined section arranged to direct material from the vehicle body to the horizontal section.

2,274,314
TRANSFER CAR
William Whaley, Knoxville, Tenn.
Application June 12, 1939, Serial No. 278,756
6 Claims. (Cl. 214—83)



1. In a transfer car, the combination of a frame having side sills, supporting wheels therefor, a car body mounted on the side sills and including side walls and one end wall with inclined lower portions sloping toward the center of the car, and an endless conveyor having a run underlying said sloping wall portions and extending throughout the major portion of the length of the car body and terminating in an inclined conveyor section at the end of the car body opposite the end wall and extending upwardly to a height approximately equal to the height of the side walls, and flow control means in the hopper body extending lengthwise thereof adjacent the inclined side wall portions and overlapping the conveyor.

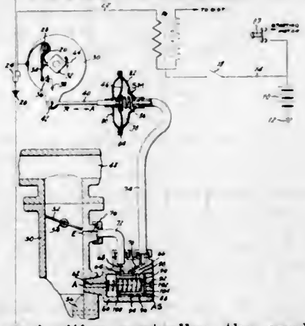
2,274,315
FUEL INJECTION SYSTEM OR DEVICE FOR INTERNAL-COMBUSTION ENGINES
George Amery, Oldbury, England
Application November 24, 1939, Serial No. 305,971
In Great Britain November 24, 1938
6 Claims. (Cl. 299—107.6)



3. A fuel-injector comprising in combination an injector-body, a fuel-jet opening therein, a valve chamber, an inwardly opening valve for said opening, a cylindrical chamber providing a control cylinder in said body in line with said

valve, a control piston in said cylinder, means connecting the control piston with said valve, a fuel passage leading to the valve seating and fuel-jet opening, an auxiliary cut-off valve in said passage, which valve is provided with a piston face in communication with the portion of said control cylinder which is nearer the valve, so that pressure in said portion control cylinder serves to move the auxiliary cut-off valve to open said fuel passage at the same time that the control piston is operated to move away from the first said valve, and means to return said auxiliary cut-off valve when pressure in said portion of control cylinder is diminished to close said fuel passage.

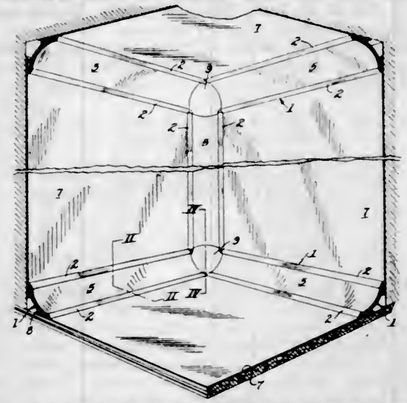
2,274,316
AUTOMATIC SUCTION CONTROL OF TIMING
James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 22, 1937, Serial No. 165,011
4 Claims. (Cl. 123—117)



1. In an ignition controller, the combination with an engine having an intake conduit, of an ignition timer, a suction device for setting the timer, a passage connecting the intake conduit and the suction device, and a switching device responsive to differentials of pressure between outside air and the pressures within the intake conduit for controlling the effect of the pressures in the intake conduit upon the suction device, said switching device comprising a fluid responsive piston, a casing enclosing the piston and having ports, one of which opens into the intake conduit at the edge of the throttle valve when closed, a second that opens into the intake conduit at a point anterior to the first mentioned port, and a third port that is in communication with the suction device, said piston having a passage for connecting the suction device with the second mentioned port, in response to full load engine running conditions, and a passage for connecting the suction device with the first mentioned port, in response to part load engine running conditions.

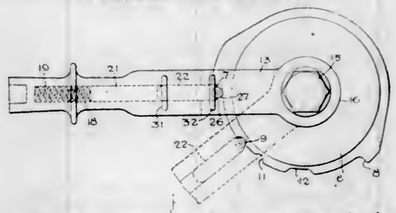
2,274,317
WALL PANEL SECURING FRAME
William L. Bonnell, Columbus, Ohio, assignor to The B. & T. Floor Company, Columbus, Ohio, a corporation of Ohio
Application August 26, 1938, Serial No. 226,952
4 Claims. (Cl. 20—74)

1. In a metallic frame structure for mounting wall panels, a plurality of vertically and horizontally extending molding strips each having a transversely curved body portion positioned in spaced relation from the wall when the longitudinal edges of the strip are in engagement with the panels, the body of said strip being provided with perforations for the reception of securing elements, a bead provided at each longitudinal edge of each strip, said beads projecting beyond the front faces of the strips to provide channels for the reception of trim strips of semiflexible material, the inner edges of said beads being undercut to provide overhanging shoulders to retain the semiflexible strips at their longitudinal edges, the ends of said molding strips terminating in planes disposed at right angles to the longitudinal axis thereof, the adjacent ends



of said horizontal and vertical strips being spaced when said strips are in applied positions to provide pockets, a corner member positioned in said pockets, each corner member having a concavo-convex body provided with a plurality of straight edges meeting the ends of said molding strips, and a retaining lug projecting from the edges of the body of said corner member into the spaces provided between the molding strips and the wall, said retaining lugs being spaced rearwardly from the front surface of said corner member to provide shoulders to close the open ends of the channels in said molding strips and prevent longitudinal movement of the semiflexible trim strips therein.

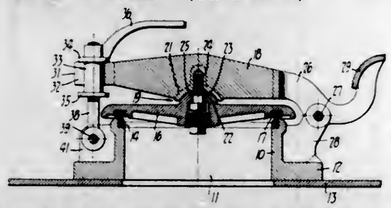
2,274,318
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 21, 1940, Serial No. 341,772
2 Claims. (Cl. 303—56)



1. The combination of an engineer's brake valve body provided with a latch sector having terminal stops defining release and emergency positions and having an intermediate portion formed with impositive detent notches; a brake valve handle pivoted on said body concentrically with said latch sector; a latch head opposed to

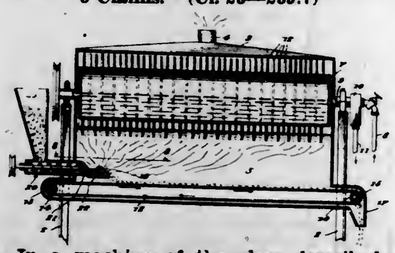
said sector; latch-head guides in said handle confining said head to radial motion toward and from said sector; a spring urging said head toward said sector; and a roller journaled and partially housed in said latch head, the arrangement being such that the head alone engages said limit stops and the roller alone engages intermediate portions of said sector including said detent notches.

2,274,319
HATCH CONSTRUCTION
Walter L. Chesterman, Berkeley, Calif., assignor to Albert E. Jurs, Berkeley, Calif., doing business as Shand & Jurs Company
Application December 3, 1938, Serial No. 243,800
2 Claims. (Cl. 220—57)



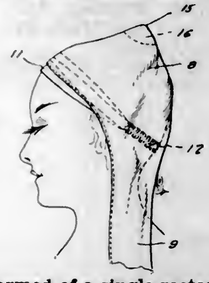
1. In a hatch construction for application to the wall of a tank, an annular seat on said wall, a closure disc cooperating with said seat to close said opening, a lever extending across the outer side of the closure disc, means forming a pivotal mounting for said lever on said wall, a ball portion projecting outwardly from said disc, a socket portion formed in said lever to provide a ball and socket joint between said lever and said disc with its spherical surfaces formed on a center located substantially within the plane of said disc, means for loosely connecting said lever and said disc adjacent the central portion of said ball and socket joint, including a stud threaded in said socket portion and having its head disposed within said ball portion, the interior of said ball portion being sealed against communication with the interior of said tank, and means carried by said wall at a location diametrically opposite from said pivotal mounting for releasably applying both clamping and jacking forces to said lever.

2,274,320
MACHINE FOR RECOVERING CARBON
Edward O. Coats, Warrensburg, Mo., assignor to The Do-All Products Company, Incorporated, Leavenworth, Kans., a corporation of Kansas
Application May 14, 1940, Serial No. 335,196
5 Claims. (Cl. 23—259.7)



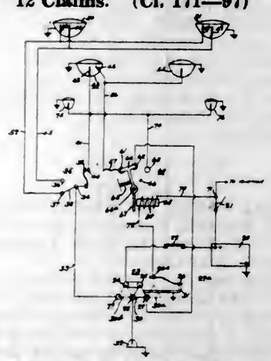
1. In a machine of the class described, the combination of a casing provided with a condenser compartment in its upper portion, said casing being provided in its bottom portion with two combustion compartments, said casing being provided at its sides with two carbon collecting compartments, hollow condenser units in said condenser compartment, each of said condenser units being above a combustion compartment, a conveyer in the bottom of each combustion compartment, a nozzle near the inlet of each combustion compartment and above the said conveyer therein, said nozzle being provided with means for discharging material on said conveyor over its full width, means for supplying material to said nozzle, and conveyers in said carbon collecting compartments adapted to discharge carbon outside of said casing.

2,274,321
ARTICLE OF APPAREL
Julia S. Degnon, New York, N. Y.
Application August 11, 1939, Serial No. 289,673
4 Claims. (Cl. 2—198)



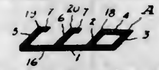
1. A hat formed of a single rectangular strip of cloth folded along a transverse line substantially midway of its ends, stitching securing two of the edges of the strip immediately adjacent the fold, said folded portion being adapted for positioning on the head of a person with the stitched edge terminating in the region of the back of the neck, the ends of the cloth being free and adapted for wrapping about the head and a continuous head encircling band secured to the edge of the cloth in the region of the fold and disposed inwardly of the head accommodating portion and substantially enclosed thereby.

2,274,322
LIGHTING SYSTEM
Harry C. Doane, Flint, Mich., and Arnold A. Bluemle, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 13, 1940, Serial No. 356,578
12 Claims. (Cl. 171—97)



12. An automobile lighting system for an automobile having a motor; a current source; an ignition circuit and an ignition switch for the motor; a plurality of lighting circuits; a switch for selectively connecting the lighting circuits with the source; spring means acting upon the selecting switch to hold same in its normal position; and an electromagnet energized only during the time either of the lighting circuits through the selective switch is closed and the ignition switch is closed; said electromagnet being so constructed and arranged in respect to the selecting switch and the spring means that the force exerted by the electromagnet is ineffective to actuate the selective switch to another position, said electromagnet being effective to hold the selecting switch in the other position when same is manually actuated to the other position against the action of the spring means tending to move the selecting switch to its normal position.

2,274,323
SEALING GASKET
Harry P. Fisher, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 306,664
3 Claims. (Cl. 288—19)



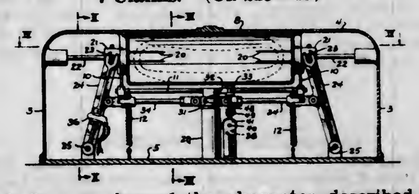
1. A sealing gasket for pipe sections comprising a relatively thin elongated strip of resilient material having an integral longitudinally extending cushion portion on one side thereof, and a resilient sealing element L shaped in cross section secured by one edge thereof to the strip along a portion of the latter spaced from the cushion portion, said element having approximately planar intersecting portions providing a longitudinally extending edge corner normally spaced from the strip, one of said planar portions normally extending from the other planar portion toward the cushion portion and in overlying relation to a portion of the strip between the cushion portion and the sealing element whereby in confining the gasket between spaced surfaces to effect a seal therebetween the sealing element is bent toward the cushion portion, the edge corner making a line contact seal with one of the spaced surfaces and said one planar portion abutting edgewise against the cushion portion.

2,274,324
SEAL
Harry P. Fisher, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 26, 1940, Serial No. 371,637
2 Claims. (Cl. 288—19)



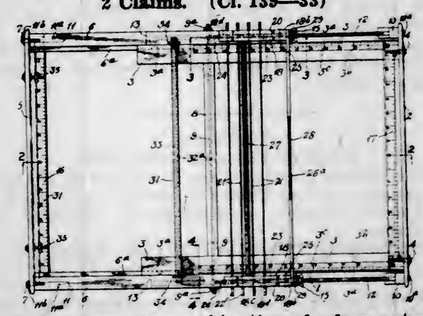
1. A seal comprising an integral structure including a plurality of thin flat strips of deformable and resilient rubber composition having parallel edges and connected together along such edges to form a plurality of channels generally U shaped in cross section when in unstressed condition, each channel having approximately parallel side walls and a flat bottom wall, and to form a flat connecting portion extending between the edges of adjacent channel walls, said connecting portion being disposed in a plane spaced from and generally parallel to the plane of the bottom walls of the channels, whereby, in placing the seal between spaced surfaces the bottoms of adjacent channels can be moved toward one another in their plane and the side wall connected to one such bottom wall can be collapsed to overlie the latter and form therewith and with the connecting portion a continuous rubber body bent into approximately S shape.

2,274,325
SANDWICH COOKER
Everett P. Ford, San Francisco, Calif., assignor of one-half to Lloyd H. Garrison, San Francisco, Calif.
Application July 16, 1940, Serial No. 345,697
7 Claims. (Cl. 219—19)



1. In a cooker of the character described, a housing having an elongated pocket formed therein for the reception of a wiener sandwich, a pair of electrodes disposed one at each end of the pocket and reciprocally movable into and out of the pocket in a direction longitudinal of the pocket, a pivoted cover for the pocket, spring actuated means normally maintaining the cover in an open position, a latch for retaining the cover in closed position, an adjustable spring actuated dashpot mechanism for automatically releasing the latch after a predetermined time interval, said release permitting the spring means to open the cover, and means actuated by opening and closing of the cover for retracting and introducing the electrodes with relation to the pocket and for simultaneously making or breaking an electric circuit through the electrodes and the sandwich.

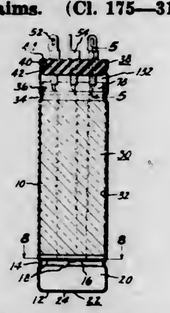
2,274,326
HAND LOOM
Milo O. Gallinger, Hartland, Mich., assignor to J. Roberts Crouse, Cleveland Heights, Ohio
Original application May 13, 1938, Serial No. 207,690. Divided and this application April 12, 1941, Serial No. 388,290
2 Claims. (Cl. 139—33)



1. In a loom, the combination of a frame struc-

ture having a cloth beam, side bars attached to and extending rearward from the end parts of the cloth beam, heddle bar standards rigidly mounted on said side bars, a warp beam, side bars attached to and extending forward from the end parts of the warp beam and having slidably adjustable engagement with the side bars of the cloth beam to permit variation of the length of the frame and of the cloth to be woven, clamping means for holding the mutually engaging bars of each of the two pairs of side bars of the frame in adjusted position comprising a transverse strut bar having its ends engaging the inner side bars of the two pairs thereof, a transverse tension rod carried by the side bars of the cloth beam in fixed relation to said beam and adjacent to the strut bar, and means associated with the ends of the tension rod for engaging the outer side bar of each pair of bars to apply tension to the rod and clamp the mutually engaging side bars of each side of the frame against the adjacent end of the strut bar; and manually operable shed-forming heddle bars mounted on said standards of the frame to cooperate with warp threads supported by the warp and cloth beams.

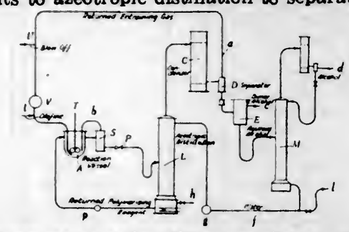
2,274,327
CONDENSER CONSTRUCTION
Alexander M. Georgiev, William G. Pontis, and Paul F. Koehly, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 30, 1939, Serial No. 264,886
7 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising in combination, a condenser section including a plurality of electrode members with exposed connectors and loosely compacted into a bundle, a metallic casing surrounding the bundle, and a terminal block closing off one end of the casing, said casing being of substantially greater length than the condenser section, means including a part of the casing for retaining the condenser section substantially centrally of its length, whereby an expansion chamber of substantially equal volume is provided by the casing at each end of the condenser section.

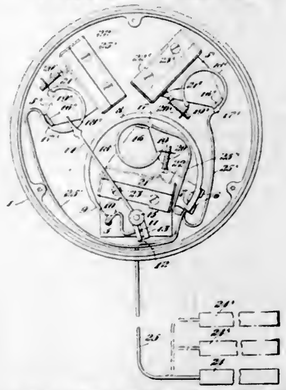
2,274,328
OLEFIN POLYMERIZATION
Henri Martin Guinot, Niort, Deux-Sevres, France, assignor to Les Usines de Melle, Melle, Deux-Sevres, France, a joint-stock company of France
Application December 19, 1938, Serial No. 246,559½. In France December 23, 1937
5 Claims. (Cl. 260—683)

1. A process of olefin polymerization comprising essentially treating a gaseous olefin with a hot aqueous polymerizing reagent at a super-atmospheric pressure, maintaining said polymerizing reagent at a temperature below 100° C., removing a portion of the reactants from the main body thereof, releasing the pressure on said portion of reactants, subjecting said portion of reactants to azeotropic distillation to separate ole-



fin dimer as a water-dimer azeotropic mixture from said polymerizing reagent, assisting said distillation by the rapid passage of unreacted gas through said portion of reactants, returning said polymerizing reagent to the main body of reactants and treating said azeotropic mixture to obtain said dimeric olefin in pure form.

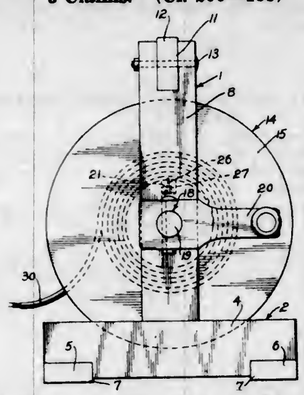
2,274,329
MULTIPLE SWITCH INDICATING INSTRUMENT
Elmer H. Hammond, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,615
3 Claims. (Cl. 200—56)



1. An instrument of the class described comprising a case, a plurality of switch motor units within the case, each unit comprising a support having a rear portion designed to contact the forward surface of the rear wall of the case and a forwardly directed clamping portion, a Bourdon tube of small diameter fixed at its normally stationary end to the clamping portion of said support, a switch attached to the front face of the rear portion of said support, such switch being outside the arc of said Bourdon tube, and means operative to transmit movement from the movable tip of the Bourdon tube to the said switch, said motion transmitting means being arranged to be operatively effective only at a predetermined point in the range of travel of the tube, the support of one of said units having a second forwardly directed clamping portion, a Bourdon tube of relatively large diameter, fixed at its normally stationary end to the clamping portion of said supports, which

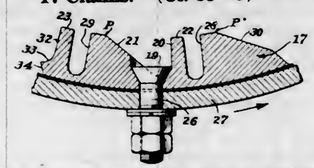
last-named tube embraces within its arc the small Bourdon tube and the switch which are mounted on said last-named support, all of the Bourdon tubes being disposed in substantially the same plane, an index pivotally mounted upon the support which carries the large Bourdon tube, means transmitting motion from the movable tip of the latter tube to the index, a bulb for pressure fluid, and conduit means connecting said bulb to the fixed ends of the several Bourdon tubes.

2,274,330
SAFETY CABLE REEL
Laurence P. Hammond, Spangler, Pa.
Application October 24, 1940, Serial No. 362,689
3 Claims. (Cl. 200—153)



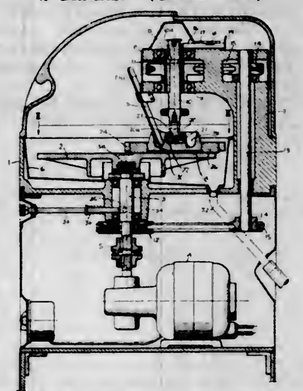
1. In a safety cable reel, a spool having a hub formed with a recess, prong-supporting plates carried in the recess, contact prongs thereon, a cable wound about the hub and having wires connected with the prong-supporting plates, and means rotatably mounting the spool, said contact prongs being engageable with battery terminals for feeding electric current into the cable only after said cable has been entirely unwound from about the hub, and means normally short circuiting the prongs, said means being displaceable upon engagement of the prongs with said battery terminals.

2,274,331
TUBE MILL LINING
Warren L. Howes, Tiger, Ariz.
Application February 19, 1941, Serial No. 379,725
17 Claims. (Cl. 83—9)



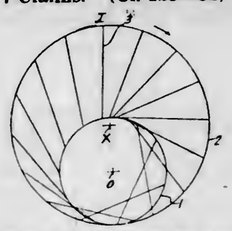
1. A tube mill comprising a lining and grinding media of substantially circular cross-section therein; said lining being formed with alternate valleys and lands providing lifters and being designed with reference to the size of the grinding media, for the purpose of reducing lining wear, as follows: the distance between the points of lift is substantially equal to DX, where D is the diameter of the maximum size of grinding media used preponderantly to maintain the charge and X is a figure between 1.5 and 3.5; the depth of the valleys is not substantially less than 0.25D, nor more than D; and the width of the lands is not substantially less than 0.5D, nor more than 1.5D.

2,274,332
LAPPING OR POLISHING MACHINE
Tracy C. Jarrett, Southbridge, Mass.
Application January 30, 1939, Serial No. 253,576
2 Claims. (Cl. 51—131)



2. Apparatus for polishing metal specimens, comprising in combination, a rotatably driven lap providing a flat surface, a specimen holder providing means for clamping identical specimens around its edge, with the flat end surfaces of said specimens bearing freely on said lap surface at one side of its central axis, and with said holder providing an annular container for a polishing medium surrounded by said specimens and in communication with said lap surface, a rotatably driven shaft capable of movement with respect to said holder along an axis offset from the rotative axis of said lap, and means for connecting the lower end of said shaft to said holder, whereby rotation of said holder serves to uniformly distribute polishing medium from said container on the moving lap surface, within a zone continuously traversed by the ends of the specimens bearing on said lap surface.

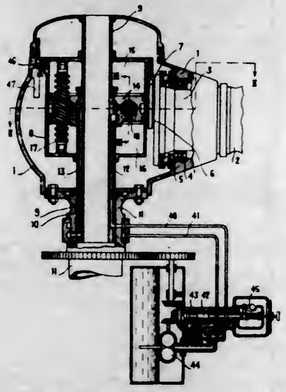
2,274,333
DRIVING MECHANISM FOR SLEEVE VALVES
George Stephen Kammer, Middleton, near Ilkley, England
Application July 17, 1941, Serial No. 402,887
In Great Britain July 16, 1940
7 Claims. (Cl. 123—81)



1. In an internal combustion engine with a sleeve valve having an oscillating and reciprocating motion, means to provide a cyclic variation in the movement of said sleeve valve comprising a rotary member driven on a fixed axis, a crank

on the rotary member, a second rotary member with its axis fixed and parallel to but displaced from that of the first rotary member, a crank on the second rotary member having a throw different from that of the crank on the first rotary member, a link joining the two cranks, and a driving connection between the second rotary member and the sleeve valve.

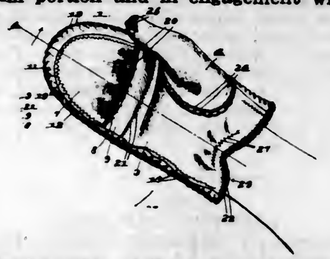
2,274,334
VARIABLE-PITCH PROPELLER
Curt Keller, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application April 1, 1941, Serial No. 386,339
In Switzerland April 5, 1940
6 Claims. (Cl. 170—163)



1. A blade adjusting unit for variable pitch propellers comprising in combination a guide shaft rotating with the hub, a double acting fluid pressure motor having opposed working spaces and comprising co-acting cylinder and piston elements mounted co-axially with said shaft and each constrained to rotate therewith, the cylinder being axially movable relatively to the piston and also operatively connected to the propeller blades; locking means movably mounted in said piston and participating in the axial movements of said cylinder, clamping means swiveled on said piston and co-acting with said locking means; yielding means tending to press said clamping means towards said locking means; means for creating fluid pressure differentials in the working spaces of said motor, and fluid pressure operated means responsive to the last named means to open said clamping means when fluid pressure is brought to act on them, whilst they are again applied when said fluid pressure disappears.

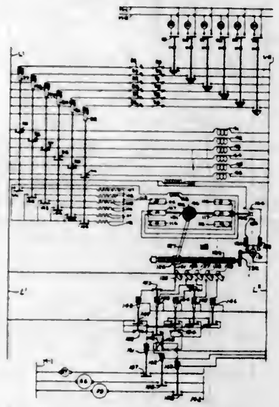
2,274,335
MITTEN
Bert Kennedy, Johnstown, N. Y.
Application March 7, 1941, Serial No. 382,253
2 Claims. (Cl. 2—158)

1. A mitten comprising a one-piece back, a two-piece palm consisting of a palm portion connected to and coacting with the back to contain the palm of a human hand and a palm section connected to and coacting with the back to define a pocket to contain the fingers thereof, said palm portion unconnectedly overlapping the palm section midway of the length of the mitten to provide a cross-opening at which said fingers can be slipped out to an exposed position, and an enlargement incorporated in the overlap of the palm portion and in engagement with the



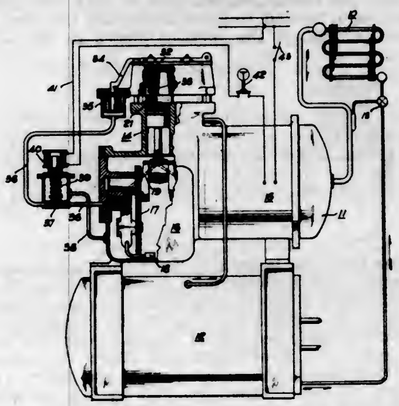
overlapped portion of the palm section for aiding in closing the opening when not occupied by the fingers.

2,274,336
CONTROL SYSTEM FOR REFRIGERATING APPARATUS
Edwin S. Lammers, Jr., Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1936, Serial No. 75,078
3 Claims. (Cl. 62—4)



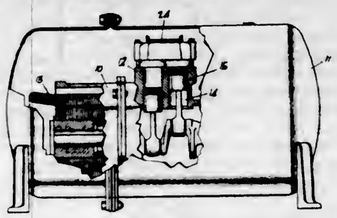
1. In refrigerating apparatus, the combination of a plurality of evaporators, a control device associated with each evaporator for initiating and terminating operation thereof, variable capacity compressor means for serving said evaporators, and means for varying the compressor capacity in operation substantially in proportion to the total capacity of the evaporators that are controlled to operate, said last-mentioned means comprising a group of resistors respectively associated with the several evaporators and having resistance values inversely proportional to the capacities of the associated evaporators, each resistor being energized by the control device of the associated evaporator simultaneously with effecting operation of the latter, said resistors being connected in parallel when energized, and means responsive to the total current flowing through the resistors that are energized for varying the total compressor capacity substantially in proportion to such current and, therefore, substantially in proportion to the total capacity of the evaporators that are controlled to operate.

2,274,337
REFRIGERATING APPARATUS
John G. Ritter, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 273,845
6 Claims. (Cl. 230—206)



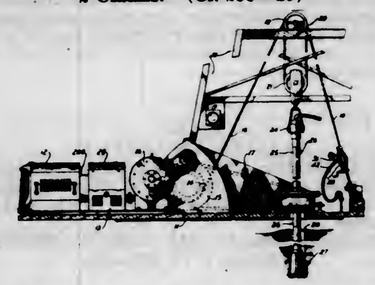
1. The combination with a compressor and an electric motor for driving the same, of a pressure-operated unloader mechanism adapted to load the compressor upon application of sufficient fluid pressure thereto, a pump driven simultaneously with the compressor at a speed proportional to that of the compressor and developing a fluid pressure which is sufficient, at normal operating speed of the compressor, to actuate the unloader mechanism to load the compressor, means including and controlled by a valve for imposing said fluid pressure on the unloader mechanism, and means responsive to the electric current drawn by said motor for controlling said valve.

2,274,338
FLUID-TRANSLATING APPARATUS
Clifford S. Cody, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1941, Serial No. 374,973
7 Claims. (Cl. 230—24)



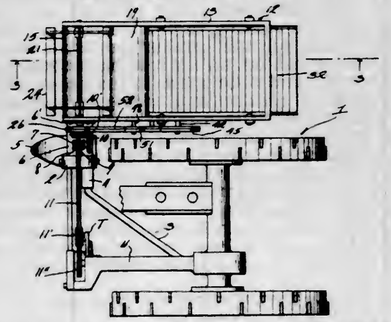
1. A motor-compressor unit comprising a fluid-translating device, a motor for driving the same, said motor comprising first and second windings, means for connecting said windings in series for starting and in parallel for running, and an unloader mechanism connected so that it is in parallel with one of said windings during the starting period and is thereby energized and so that it is short circuited and thereby deenergized during the running period.

2,274,339
MEANS FOR AUTOMATIC WEIGHT CONTROL IN WELL DRILLING
Walter A. Loomis, Whittier, Calif.
Application January 5, 1939, Serial No. 249,398
2 Claims. (Cl. 255—19)



1. A rotary well drilling apparatus comprising a rotary table, a drill string fed downwardly therethrough and driven thereby, a drill bit at the lower end of said string, means for supporting the drill string whereby a determined proportion of the weight of the drill string may be permitted to rest upon the formation being penetrated, feed means associated with the drill string support, means connected therewith to feed the drill string downwardly continuously at a rate of speed above a set minimum, speed varying means associated with said feed means and responsive to variation in the amount of weight of the drill string being supported by the formation being penetrated and whereby the rate of speed may be accelerated or decelerated above the set minimum speed until a predetermined proportion of weight is supported by the formation, a power unit for driving said feed means, and means automatically accelerating the speed of said power unit when a feed adjustment is made by the apparatus.

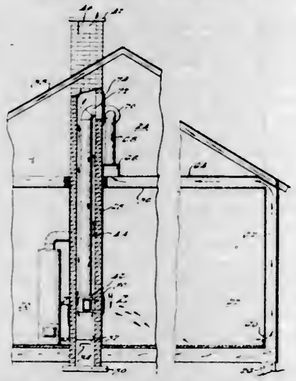
2,274,340
SEED GATHERING APPARATUS
Marvin Moots, La Plata, Mo.
Application May 6, 1941, Serial No. 392,170
9 Claims. (Cl. 56—128)



1. A seed harvesting machine, comprising an elongated housing having a horizontal bottom wall adapted to be moved along the ground in close proximity thereto and side walls, the housing being open at its forward end, a concave in the lower forward part of the housing, the forward edge of the bottom wall of the housing forming an edge of the concave across which seed plants are gathered, a rotary member disposed in the concave for engaging the tops of

seed plants to carry the same into the concave, a sieve supported within the housing for longitudinal reciprocatory movement, means for conducting seed from said concave upwardly and rearwardly onto the top of the sieve, means for rotating said rotary member and for imparting reciprocatory motion to the sieve, and means forming a seed collecting receptacle in the lower part of the housing beneath the sieve and behind the concave.

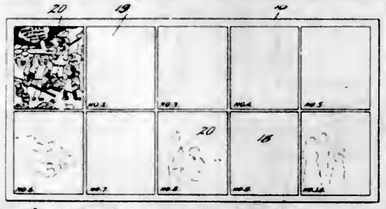
2,274,341
HEATING APPARATUS
Moritz L. Mueller, Grosse Pointe, Mich., assignor, by mesne assignments, to said Moritz L. Mueller and John H. Mueller, Detroit, Mich., as joint tenants
Application June 26, 1941, Serial No. 399,780
25 Claims. (Cl. 237—55)



17. In a heating system for a building for human occupancy having a room and an attic space, a chimney extending upward above the roof, a heat exchanger within the chimney and extending longitudinally of and for a substantial portion of the length thereof, said exchanger being of substantially uniform cross sectional area and substantially straight, a combustion chamber in the lower portion of said chimney and below said exchanger, said chimney and said exchanger cooperating to provide parallel counterflow ducts for the combustion products and for air to be heated, an air feeding conduit leading through said attic space to the upper end of the exchanger air duct and having an inlet below the ceiling level of said room, a conduit leading from the lower end of said exchanger air duct and discharging into said room, and a fan in said attic space and intercalated in said feeding conduit and discharging air from said room inlet into said exchanger air duct under pressure greater than the pressure of the combustion products so that any leakage of the exchanger will be of air into the combustion products duct.

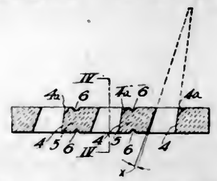
2,274,342
GAME APPARATUS
Leonard D. Ormsby, San Antonio, Tex.
Application January 23, 1940, Serial No. 315,237
2 Claims. (Cl. 273—1)

1. A game or contest of the class described including in combination, a set of picture pieces having different objects identified thereon, a series of consecutively numbered puzzle cartoons, each of said cartoons containing indicia or a clue which when solved designates the object on one of the picture pieces, a card element having a detachable portion, said card element and detachable portion each having consecutively numbered portions corresponding in number to the number of cartoons, and means for individually attaching the picture pieces to the numbered portions on the card element in sequential order corresponding to the sequence of the puzzle cartoons, the numbered portions of said detachable portion arranged to have indicated thereon the arrangement of the picture pieces in the same



order that the latter are positioned on the card element, the arrangement of the picture pieces on the card element indicating the player's solution of the puzzles depicted by the cartoons, and the detachable portion of the card element constituting means whereby each player or contestant determines the correctness of the player's solution of the puzzles depicted by the cartoons, said card element and said detachable portion each having a space for receiving a duplicate mark correspondingly identifying the same.

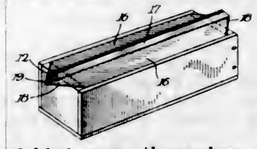
2,274,343
PYROMETRIC CONE PLAQUE
Howard S. Orth, Clair R. Oberst, and William E. Cramer, Columbus, Ohio, assignors to Industrial Ceramic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application April 3, 1940, Serial No. 327,688
6 Claims. (Cl. 73—358)



5. A plaque for holding pyrometric cones of the type having inclined rear corner edges, a rigid ceramic body of slab-like form having a plurality of openings extending therethrough from top to bottom, each openings having a general contour and size to correspond to the contour and size of the cone portion intended to be positioned therein, the rear corners of said openings being inclined to a slightly greater extent than the rear corner edges of the cones to cause gripping forces to be exerted on said cones when the same are forced into said openings.

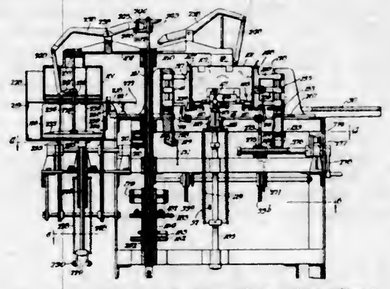
2,274,344
PACKAGE AND METHOD OF MAKING THE SAME
Frank D. Palmer, Chicago, Ill., assignor to Kraft Cheese Company, a corporation of Delaware
Application January 6, 1939, Serial No. 249,565
6 Claims. (Cl. 229—87)

1. A deteriorable material package comprising a flexible sheet folded to form a rectangular receptacle embodying bottom and side walls and a closure wall formed of upper portions of one pair of side walls folded inwardly toward each other and having marginal areas folded outwardly, disposed in face-to-face relation and united, said united marginal areas being folded to flatwise position on the closure wall, corresponding upper portions of the other pair of side walls being



diagonally folded upon themselves as an incident to the aforesaid formation of the closure wall, and adjacent folds of said diagonally folded portions being united in zones extending across the entire width of said folded portions in said zones.

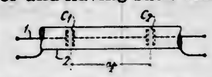
2,274,345
PACKAGING METHOD AND MACHINE
Frank D. Palmer, Chicago, Ill., assignor to Kraft Cheese Company, a corporation of Delaware
Application July 7, 1939, Serial No. 283,161
16 Claims. (Cl. 93—36.01)



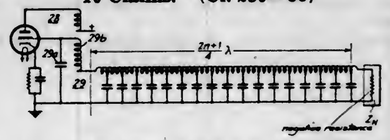
1. In a machine of the class described, the combination of a laterally movably mounted mandrel, wrapper-folding mechanism disposed in downwardly spaced relation to said mandrel and comprising bottom and side members pivotally connected to opposite sides of said bottom member, actuating means for effecting relative vertical movement of said mandrel and said folding mechanism and upward folding of said side members so as to embrace said mandrel thereby to fold a wrapper upwardly around the bottom and opposite sides of said mandrel, said actuating means being such as to cause said folding mechanism and mandrel to be restored to their respective initial positions upon completion of the folding operation of said wrapper folding mechanism, and means for effecting lateral movement of said mandrel with said folded wrapper thereon to another position.

2,274,346
FREQUENCY SELECTIVE TRANSMISSION LINE
Hans Otto Roosenstein, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 31, 1938, Serial No. 248,804
In Germany January 27, 1938
4 Claims. (Cl. 178—44)

1. A selective coaxial line for the transmission of high frequency oscillations comprising an inner conductor having spaced condensers serially inserted therein, said condensers being arranged substantially at potential anti-nodal points along said conductor and having such values as to combine with the sections of inner conductor between them to form tuned circuits.

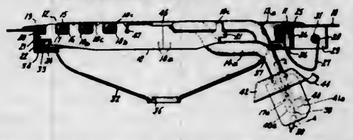


2,274,347
NEGATIVE RESISTANCE CIRCUIT ARRANGEMENT
Noël Meyer Rust, Chelmsford, and Joseph Douglas Brailsford, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 10, 1939, Serial No. 267,062
In Great Britain April 14, 1938
10 Claims. (Cl. 250—36)



7. In combination with an oscillator circuit having included therein elements for determining the frequency of the wave generated thereby, a long line so coupled to said frequency determining elements as to stabilize generated oscillators and a negative resistance network coupled to said long line to compensate for attenuation in said line.

2,274,348
HEATING DEVICE
John C. Sharp, Glen Ellyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application December 27, 1939, Serial No. 311,147
6 Claims. (Cl. 219—37)

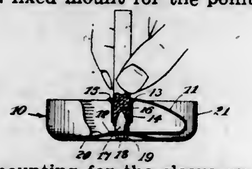


5. An electric range having a top wall provided with an opening therein for receiving a heating unit that has a supporting ring receivable in said opening, a sheathed electrical heating element within said ring having terminal ends adjacent each other and a section of said ring and directed downwardly through said ring, terminals for said ends secured thereto, a shield attached to said ends covering said terminals to protect them from drippage through said ring, a hinge connecting said ring to said top wall, a reflector detached from said ring and heating element located under said heating element and having a recess through which said terminal ends pass, and means supporting said deflector under said heating element.

2,274,349
EXTINGUISHER
Adolph H. Smeby, Los Angeles, Calif., assignor to Jay B. Hinson, Hartsdale, N. Y.
Application August 29, 1939, Serial No. 292,372
2 Claims. (Cl. 131—237)

1. A cigarette extinguisher including a sleeve a little larger than a cigarette, a pointed member facing the open end of the sleeve and expand-

ing to a base of a size to pinch the cigarette between the base and the sleeve and thereby extinguish it, a fixed mount for the pointed mem-



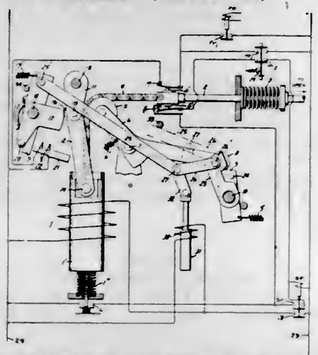
ber, and a mounting for the sleeve on which it is adapted to move with the cigarette to effect the extinguishing of the cigarette.

2,274,350

CIRCUIT BREAKER OPERATING MECHANISM

Carl Thumim, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application February 17, 1940, Serial No. 319,491
8 Claims. (Cl. 200—89)



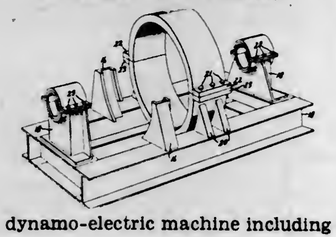
1. Circuit breaker operating mechanism comprising means for closing and means for opening the circuit breaker, dual tripping control means for either tripping the circuit breaker in the normal closed circuit position or for trip-free operation during the closing operation of said circuit breaker, means providing a lost-motion connection between said dual tripping means when said breaker is in said normal closed position, means for taking up said lost-motion connection when said breaker is being closed, and a fault responsive tripping coil arranged to control all tripping operations of said dual means through said lost-motion connection.

2,274,351

FABRICATED DYNAMOELECTRIC MACHINE

Alexander P. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 20, 1939, Serial No. 310,204
6 Claims. (Cl. 171—252)



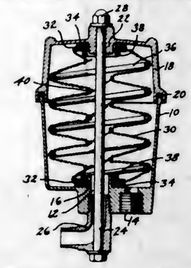
1. A dynamo-electric machine including a base member, a split frame member forming substantially two halves, means permanently securing one of said halves to said base member for providing an integral dynamo-electric machine load-supporting structure, and means removably securing said other half to said first mentioned half.

2,274,352

FILTER

Floyd J. Wood, Niles, Mich.

Application May 24, 1939, Serial No. 275,338
5 Claims. (Cl. 210—164)



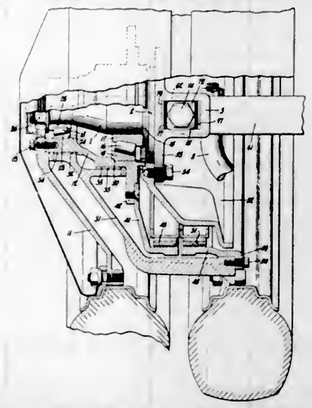
1. A filter comprising a casing formed with an axial tubular boss at one end and having an opening spaced from said boss, said boss and opening providing inlet and outlet openings for fluid to be filtered, a flexible bag of filtering material in said casing having an opening in one end to fit over said boss, and a coil spring in said bag compressed against the ends of the casing and having an annular portion at one end fitting around said boss and pressing the bag into sealing engagement with the end of the casing around the boss.

2,274,353

DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application May 20, 1939, Serial No. 274,669
6 Claims. (Cl. 280—96.1)



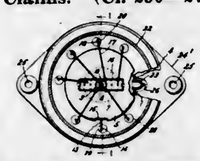
1. A dual dirigible front wheel assembly including in combination a wheel spindle and yoked steering knuckle, dual wheels mounted on said spindle, an axle beam with its end within said yoke, a king pin mounted in said axle beam end and forming a substantially vertical axis for the yoke, a spherical supporting seat in the lower arm of said yoke coaxial with the king pin, a block in which the king pin is mounted, said block being slidably mounted in an elongated opening in the upper arm of said yoke, and resilient means within the ends of said elongated opening and resiliently yieldable under pressure from said slidable block.

2,274,354

SCREEN GRID TUBE

James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 16, 1938, Serial No. 214,104
6 Claims. (Cl. 250—27.5)



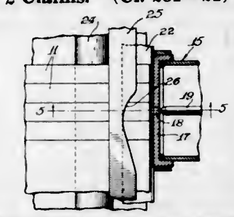
1. An electric discharge device comprising a cup-shaped part having a discharge space within it, electrodes within the said space, means supporting a series of contact prongs in a circular array outside the periphery of said cup-shaped part with the prongs directed toward the closed end of said part, whereby certain of the prongs are separated from one another by the body of the part, and means connecting the respective contact prongs to the various electrodes within the discharge space.

2,274,355

METHOD OF PRODUCING CARD ASSEMBLIES

Charles A. Bergsten, Evanston, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application August 26, 1936, Serial No. 98,077
2 Claims. (Cl. 281—21)



1. The method of forming an assembly of cards secured together in superposed overlapping relationship which comprises: assembling the cards in said relationship with one edge of each in alignment at one edge of the assembly; causing relative movement between said edge of the assembly and a source of adhesive while causing slight separation of said edges at the progressively changing portion of said edges opposite said source; and causing adhesive to flow from said source to penetrate slightly between the separated edges.

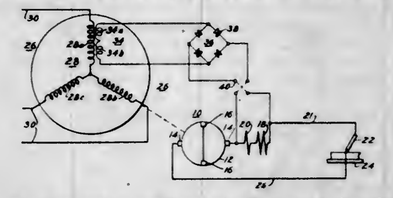
2,274,356

POLARITY CONTROL SYSTEM

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 4, 1939, Serial No. 259,782
2 Claims. (Cl. 171—225)

1. The combination with a welding generator having a plurality of field windings and an armature rotatably associated therewith connected in driven relation to a motor having a stator with distributed phase windings positioned in slots therein of, a polarity control circuit for the welding generator comprising, a plurality of single conductor coil sections positioned in the slots on



top of the main motor winding and insulated therefrom, rectifying means connected directly to the auxiliary winding, and a reversing switch connecting the rectifying means to one of the generator field windings so as to apply a control voltage to said winding to control the no-load terminal polarity of the generator.

2,274,357

SOCKET ADAPTER

Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York

Application October 31, 1939, Serial No. 302,150
9 Claims. (Cl. 173—344)



6. In an adapter, an electric plug including a housing of insulating material, said housing having an annular channel, a rotatable annular disk seated in said channel, a hollow fastening means pivotally securing said disk on said housing, an arm extending at right angles to said disk, an angle member having an arm pivotally connected to said first-mentioned arm and a plate extending substantially at right angles thereto, an electric receptacle, a hollow fastening means securing said receptacle to said plate, said plate having an extension engaging said receptacle to prevent rotation of said receptacle relative to said plate, and conductors passing through each of said hollow fastening means and electrically interconnecting said plug and receptacle.

2,274,358

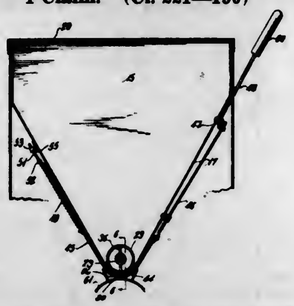
PRODUCTION OF BUTADIENE

Adolf Cantzler and Hans Krekeler, Mannheim, Germany, assignors to Jasco Incorporated, a corporation of Louisiana

No Drawing. Application December 9, 1939, Serial No. 308,433. In Germany October 25, 1938
3 Claims. (Cl. 260—680)

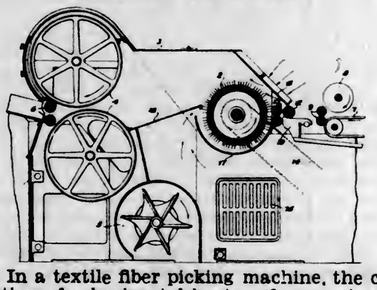
2. A process for the production of butadiene which consists in exposing 1 part by weight of butylene to temperatures exceeding 500° C. in the presence of at least 1 part by weight of hydrogen chloride.

2,274,359
COTTON DUSTER
John A. Chater, Medina, N. Y., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y., a corporation
Application April 14, 1937, Serial No. 136,960
1 Claim. (Cl. 221—130)



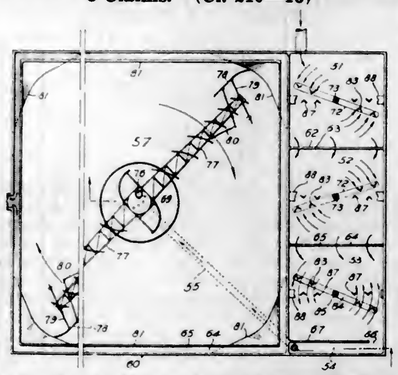
In a mechanism for distributing insecticidal powder, a frame, a vertical hopper supported thereabove, said hopper having inclined sides converging toward a rounded bottom, a powder feeding slot in said bottom, a flexible regulator plate slidable in close engagement with the exterior of said bottom, a graduated orifice in said regulator for correspondence with the feed slot in the hopper bottom, resilient means for holding said regulator plate in order that the orifice therein shall normally bear a pre-determined relation with the feed slot, and adjustable means on the opposite side of the hopper for moving said regulator plate to alter said pre-determined relation.

2,274,360
PICKER FOR TEXTILE FIBERS
Fred A. Conley, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application August 28, 1940, Serial No. 354,592
6 Claims. (Cl. 19—86)



1. In a textile fiber picking machine, the combination of a horizontal beater of approximately cylindrical form with its circumferential surface studded with pins set in regular order, feed rolls positioned adjacent to said cylinder for feeding loosely associated fibers to said beater to be picked thereby, means for revolving said beater in a direction to cause it to pick the fibers upwardly from said feed rolls, a condenser behind said beater, a casing enclosing said beater and condenser, means for creating a current of air across the top of said beater and through said condenser to carry the picked fibers backwardly away from said beater and to screen them out of the air stream, said casing including parts admitting air to said beater immediately above the feed rolls and at a point adjacent to the descending rearward side of the beater, and a shield extending continuously from said point, under the beater, closely adjacent to the surface thereof and to a point closely adjacent to said feed rolls.

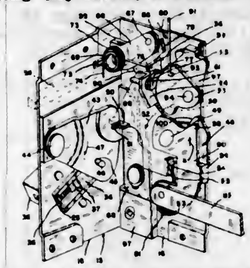
2,274,361
FLOCCULATION
George M. Darby, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 21, 1939, Serial No. 310,373
5 Claims. (Cl. 210—16)



1. In the treating of liquid for conditioning into settleable form flocculatable solids suspended therein and especially those not normally settleable to convert such solids into settleable flocs the method comprising maintaining a body of liquid by supplying incoming liquid thereto at one elevation and passing liquid in quantity equal to that of the incoming liquid from another general elevation for realizing a continuous general vertical flow movement of the liquid, imposing on the suspended solids of the vertically-flowing liquid general substantially horizontally-impelled and horizontally-deflected flow movements by moving in the body repetitively along horizontally-closed paths about a vertical axis vertically-extending horizontally-spaced-apart impelling paddles V-shaped in cross-section disposed with the apex portions of the V's foremost and the wings of the V's rearmost with respect to the forward paths of movement of the impelling paddles, horizontally deflecting the horizontally-impelled liquid flow movement by vertically-extending horizontally-spaced-apart deflecting blades disposed so that at least certain portions thereof vertically overlap portions of said impelling paddles, the spacing of the impelling paddles and the spacing of the deflecting blades being such that the impelling paddles can repetitively pass the deflecting blades without interference therewith, and moving the impelling paddles at speeds not substantially in excess of 1.5 feet per second and thereby at substantially less than the yield point of the liquid of the body whereby disintegration of formed flocs is discouraged and shearing action between the impelling paddles and deflecting blades is substantially avoided.

2,274,362
LATCH MECHANISM
William C. Devereaux, Detroit, Mich.
Application January 23, 1939, Serial No. 252,478
5 Claims. (Cl. 292—164)

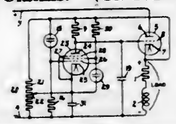
3. In a latch mechanism for a swinging closure, a bolt mounted on the swinging edge face of the closure for sliding movement in opposite directions extending transversely of the swinging edge face of the closure and cooperating with a keeper to latch the closure in its closed position, a member mounted for swinging movement in a plane substantially parallel to the plane of sliding movement of the bolt and connected to the bolt for actuating the latter, a second member engageable with said first member for swinging the latter to operate said bolt, a third member for operating said second member, a locking element movable into engagement with the third member to prevent operation of the latter to retract said bolt, and means on the second member responsive to retraction of the bolt by the keeper to move the locking element out of engagement with said third member.



2,274,363
TREATING CELLULOSIC MATERIALS
Robinson Percy Foulds and William Hilton Roscoe, Manchester, England, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England, a company of Great Britain
No Drawing. Application January 19, 1939, Serial No. 251,708. In Great Britain January 21, 1938
1 Claim. (Cl. 8—118)

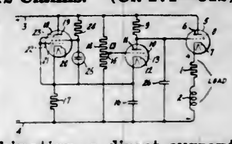
Process of parchmentising and delustring air-dry cellulosic materials which comprises dissolving free urea and an aldehyde selected from the group comprising formaldehyde and paraformaldehyde in sulphuric acid of parchmentising strength without permitting the temperature of the solution to rise above 40° C. and using a total amount of at least 6% by weight of urea and aldehyde to sulphuric acid, and a molecular proportion of aldehyde to urea which is not greater than 2:1, treating at least part of the air-dry cellulosic material with the solution so obtained, and washing the treated cellulosic material with water to precipitate methylene urea.

2,274,364
VOLTAGE REGULATOR CIRCUIT
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 8, 1940, Serial No. 322,919
11 Claims. (Cl. 171—312)



1. In combination, a direct current supply circuit, a direct current load circuit, an electric discharge device connected between said circuits for controlling the voltage of said load circuit and comprising a pair of principal electrodes and a control grid, a filtering capacitance connected between said control grid and one terminal of said supply circuit, means for varying the potential of said grid in response to the voltage of one of the first mentioned circuits comprising in series relation a resistance, a control electric discharge device and a second resistance, said second resistance constituting a part of the input circuit to said control electric discharge device and said control discharge device having an anode, a cathode and a control grid, means for connecting said anode to the control grid of the first mentioned discharge device, means for impressing on the control grid of said control electric discharge device a voltage which varies in response to the voltage of said one of the first mentioned circuits and comprising in series relation a glow discharge device connected between the grid of said control electric discharge device and the positive terminal of said one circuit, and a resistance connected between the grid of said control discharge device and the other terminal of said one circuit.

2,274,365
VOLTAGE REGULATOR
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 8, 1940, Serial No. 322,920
12 Claims. (Cl. 171—312)

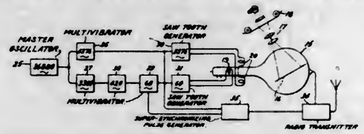


1. In combination, a direct current supply circuit, a load circuit, an electric discharge device connected between said circuits for controlling the voltage of said load circuit and comprising a pair of principal electrodes and a control grid, means responsive to the voltage of one of the first mentioned circuits for impressing a variable control voltage on said grid and comprising in series relation an impedance element and a control electric discharge device having an anode, a cathode and a control grid, a voltage divider connected across said one circuit for impressing a predetermined component of voltage of said one circuit upon the second mentioned control grid to vary the current conducted by said control discharge device, a second impedance element, means comprising a controlled electric discharge device for transmitting a substantially constant current through said second impedance element, means for controlling the conductivity of the last mentioned electric discharge device in response to the voltage of said one circuit to maintain the current conducted by the last mentioned discharge device constant, and means interconnecting said second impedance element and said cathode to maintain the potential of said cathode at a substantially constant value.

2,274,366
TELEVISION SCANNING
Siegfried Hansen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1939, Serial No. 259,194
14 Claims. (Cl. 178—7.7)

1. In television the method of scanning lines in a cathode ray tube which comprises moving

the electron beam of the tube in one direction at a certain frequency and simultaneously moving it in a direction substantially at right angles thereto at a frequency having a ratio to said cer-



tain frequency equal to an integer plus a fraction which in its lowest terms has a numerator that is more than one and is less than the denominator minus one.

2,274,367

AGE RESISTING RUBBER COMPOSITION

Joseph R. Ingram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 13, 1938, Serial No. 207,772

16 Claims. (Cl. 260—799)

1. The method of preserving a rubber which comprises treating a rubber with an aldehyde reaction product of a member of a group consisting of indene, indene phenols and indene thiophenols.

2,274,368

METHOD OF PRESERVING RUBBER AND PRODUCT OBTAINED THEREBY

Joseph R. Ingram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 13, 1938, Serial No. 207,773

16 Claims. (Cl. 260—799)

1. The method of preserving a rubber which comprises treating a rubber with an indene thio phenol.

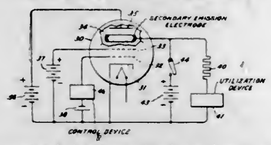
2,274,369

ELECTRICAL CONTROL SYSTEM

William H. Janssen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 13, 1940, Serial No. 345,360

4 Claims. (Cl. 250—27)



1. In an electrical control system; a discharge tube having a cathode, an electrode emitting secondary electrons in response to the flow thereto of primary electrons from the cathode, and means for receiving the emitted secondary electrons; a resistance-containing circuit connected between the cathode and the secondary emission electrode for controlling their potential relationship in accordance with the net current flow to the latter electrode, the resistance of the circuit being such that a condition of stable operation exists only for a fixed range of operating conditions of the system; a primary load device responsive to unidirectional current flow included in the said circuit, and means for varying the operating conditions of the system in response to a control factor which tends to approach a value outside the said fixed range of stable operation, thereby to cause abrupt cessation of current flow through the said circuit and load device upon attainment of the said value of the control factor.

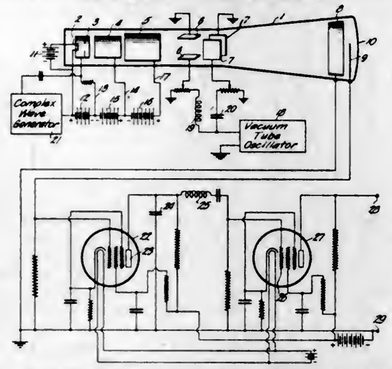
2,274,370

METHOD AND APPARATUS FOR PRODUCING MUSICAL SOUNDS

Earle L. Kent, Chicago, Ill.

Application October 21, 1939, Serial No. 300,683

19 Claims. (Cl. 84—1.28)



1. A method of generating musical tones having a desired wave form and desired audible frequency comprising the steps of generating an electric wave having the desired wave form at a frequency relatively high with respect to the desired audible frequency, generating a succession of electrical impulses, impressing said impulses upon said electrical wave at a frequency which will produce an electrical wave having a component which is of the desired wave form and desired audible frequency, and converting said component into the desired musical tone.

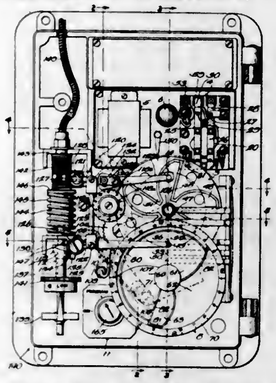
2,274,371

TEMPERATURE CONTROL APPARATUS

Henry T. Kucera, Oak Park, Ill.

Application March 30, 1938, Serial No. 198,823

22 Claims. (Cl. 200—37)



17. Apparatus for controlling the flow of a control medium comprising a first time controlled rotor having control surfaces thereon, a rider disposed for successive engagement by said surfaces as said rotor rotates for controlling the flow of said medium in accordance with said successive engagement, a second time-controlled rotor having control surfaces thereon, a second rider disposed for successive engagement by the control surfaces of said second rotor for controlling the flow of said medium in accordance with said successive engagement, means for adjusting the speed ratio of one rotor with respect to the other, and means for adjusting the position of both riders with respect to their associated rotors.

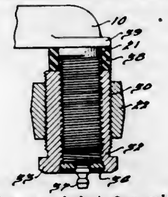
2,274,372

AUTOMOBILE SUSPENSION

John W. Leighton, Port Huron, Mich.

Application August 3, 1939, Serial No. 288,186

1 Claim. (Cl. 287—93)



In combination, a joint for pivotally connecting a pair of members, a trunnion non-turnably fixed on one member and having external threads, a bushing threaded externally and internally and its internal threads having pivotal, threaded bearing engagement with the trunnion threads, an outer internally threaded tubular part fixed on the other member and being axially slotted at one side so that the part may be clampingly contracted, said part being threaded onto the outer threads of the bushing, and means for releasably clamping said part about the bushing so as to bind the threaded surfaces against relative turning, said threads between the outer part and the outer surface of the bushing being directed in an axial direction different from the threads between the bushing and trunnion so that with the clamping means loosened, turning of the bushing relative to the trunnion and outer part causes such trunnion and part to travel relatively along the axis of the bushing whereby the members may be adjusted axially of the bushing as to relative positions and then locked for relative pivotal movement in the different positions of adjustment, the parts being so constructed and arranged that locking of the outer part to the bushing does not interfere with the pivotal threaded bearing engagement between the bushing and trunnion, the threads between the outer part and the bushing being of normal acute angle character so as to permit easy turning of the bushing in the outer part when the clamping means is released, the wall of the bushing being annular in character so that clamping of the outer part thereabout will not interfere with the pivotal threaded bearing engagement between the bushing and trunnion.

2,274,373

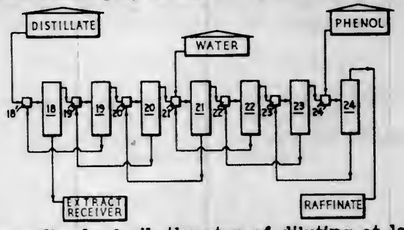
PROCESS OF REFINING MINERAL OILS

Arthur L. Lyman, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application December 11, 1939, Serial No. 308,714

10 Claims. (Cl. 196—13)

1. In a process of refining liquid mineral hydrocarbons with a selective solvent refining agent which comprises extracting the hydrocarbon with a selective solvent in a diluted and relatively highly selective state, separating the diluted solvent together with its dissolved aromatic hydrocarbons from the remaining undissolved liquid hydrocarbons, extracting said undissolved fraction with a selective solvent in a substantially less dilute and relatively less selective state, and separating the latter solvent together with its dissolved less highly aromatic hydrocarbons from



the undissolved oil, the step of diluting at least one of said extracts with an anti-solvent for the oil which is miscible with the selective solvent but immiscible with the oil to free the more paraffinic hydrocarbons dissolved therein, and retaining the freed hydrocarbons in the extracting system.

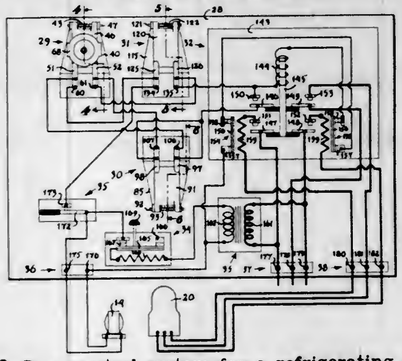
2,274,374

AIR CONDITIONING CONTROL SYSTEM

Leo B. Miller, Hartsdale, N. Y., and William L. McGrath, St. Paul, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 11, 1937, Serial No. 147,694

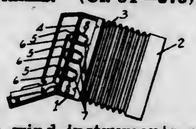
9 Claims. (Cl. 62—6)



3. In a control system for a refrigerating apparatus having an evaporator for controlling the condition of a medium and an electrically operated mechanism for controlling the circulation of refrigerant through the evaporator, the combination of, first and second switch means, control means responsive to the condition of the medium being controlled by the evaporator for closing the first switch means when the condition rises to a predetermined high value and for opening the second switch means when the condition decreases to a predetermined low value, third and fourth switch means, control means responsive to a condition which is a measure of evaporator temperature for closing the third switch means when the evaporator temperature rises to a predetermined high value and for opening the fourth switch means when the evaporator temperature decreases to a predetermined low value, means for completing a starting circuit through the first and third switch means to operate the electrically controlled mechanism to start circulation of refrigerant through the evaporator, a maintaining switch, means for closing the maintaining switch

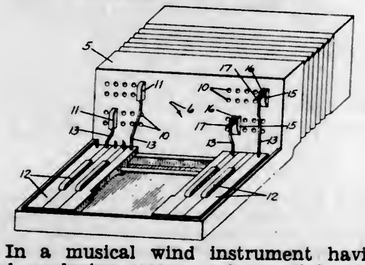
as an incident to completion of the starting circuit, and means for completing a maintaining circuit through the second and fourth switch means and the maintaining switch to maintain the electrically controlled mechanism in operation and circulation of refrigerant through the evaporator, said maintaining switch remaining closed as long as the maintaining circuit is completed.

2,274,375
REED FOR MUSICAL INSTRUMENTS
Anthony Montenare, Reading, Pa.
Application March 7, 1941, Serial No. 382,110
8 Claims. (Cl. 84—375)



1. A reed for wind instruments comprising a housing having walls forming a tongue aperture and a separate tonal aperture both opening through opposite faces of said housing; said tongue aperture having a reed tongue mounted to vibrate therein by wind passing therethrough in either direction; said tonal aperture having an enlarged intermediate chamber portion and a lateral wall opening from the latter communicating with said tongue aperture; and a single flat freely-movable valve in said chamber portion adapted to be operated by wind entering the latter in either direction to direct wind discharge therefrom through said lateral wall opening into said tongue aperture.

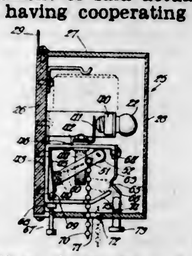
2,274,376
CONTROL VALVE MECHANISM FOR MUSICAL WIND INSTRUMENTS
Anthony Montenare, Reading, Pa.
Application June 21, 1941, Serial No. 399,090
3 Claims. (Cl. 84—376)



1. In a musical wind instrument having a sound producing means and a wall having an aperture for directing the flow of operating wind thereto, a valve mechanism for controlling the flow of wind through said wall aperture comprising a hood having walls forming a chamber mounted in covering relation over said wall aperture, a valve opening in one wall of said hood having a slide valve mounted thereon, and manually operable means adapted to slidably move said valve to open and close said valve opening.

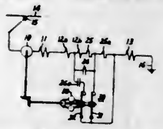
2,274,377
ELECTRIC SWITCH AND LIGHT FIXTURE
Thomas J. Mudon, Chicago, Ill., assignor to Safe Delay Switch Corporation, Chicago, Ill., a corporation of Illinois
Application May 12, 1941, Serial No. 393,097
14 Claims. (Cl. 200—33)

2. A time delay control mechanism of the character described, a spring pressed actuating member, and a relatively stationary member for retarding movement of said actuating member, said members having cooperating elements en-



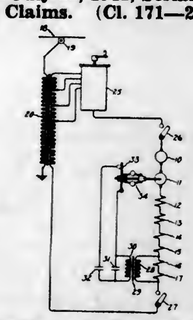
gaging each other yieldingly under pressure to oppose movement of said actuating member, and temperature responsive means to vary the pressure between said elements in response to temperature changes.

2,274,378
CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 16, 1941, Serial No. 388,874
17 Claims. (Cl. 171—228)



10. In a system of control for a single phase alternating current motor having an armature and a series field winding, a divided interpole winding for said motor, means for connecting a first portion of said interpole winding in series circuit relation with said armature, means for connecting a second portion of said interpole winding in series circuit relation with said series field winding, a resistance connected in series with said second portion, a capacitive circuit connected in parallel circuit relation with said resistance and said second portion of said interpole winding, and switching means responsive to the speed of said motor arranged simultaneously to control in opposite senses the capacitance of said circuit and said resistance.

2,274,379
CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 11, 1941, Serial No. 401,981
10 Claims. (Cl. 171—228)



2. In combination, an alternating current sin-

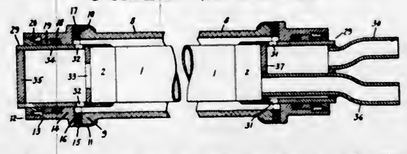
gle phase commutator motor having an armature and a series field winding, an interpole field winding for said motor connected in series circuit relation with said armature, means for connecting said motor to a source of electric supply, shunting means for at least a portion of said interpole field winding arranged to displace the current in said interpole field winding with respect to the phase of the current in said armature, said shunting means consisting of a capacitive impedance, and means for varying the shunting effect of said capacitive impedance in response to the speed of said motor.

2,274,380
CASTING FLOAT
Austin R. Pool, Wetmore, Kans.
Application March 12, 1941, Serial No. 382,853
9 Claims. (Cl. 43—49)



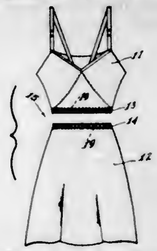
1. A float comprising a buoyant body having a through passageway, a line extending through said passageway, a gravity operated lock moved into and out of line contact in response to changes in buoyant stability of the float, a weight on said line to insure predetermined buoyant stability of the float when the weight is suspended therefrom by the line, and a second weight associated with the float to oscillate the float and change its buoyant position when the float is relieved of the load of the first-named weight.

2,274,381
LIQUID COOLED RESISTOR
Lycurgus W. Richardson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 16, 1941, Serial No. 402,612
5 Claims. (Cl. 201—63)



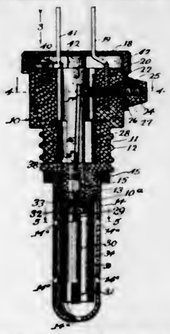
1. In combination, a resistor element having a layer of conductive material thereon at each end thereof, terminal members into which said ends are secured, a housing of insulating material for said resistor element having a flange at each end, stuffing boxes slidable on said terminal members and each including a shell having an annular projection on the inner end thereof, gaskets between each of said shells and the corresponding housing flange, and rings extending from each of said shells and adapted to be spun over said housing flanges to compress said gaskets and to embed said annular projections therein, said terminal members having cooling liquid conducting openings formed therethrough for conducting said cooling liquid in contact with said resistor element.

2,274,382
WOMAN'S FOUNDATION GARMENT
Sidney Richman, New York, N. Y., assignor to The Patricia Petticoat Co., Inc., New York, N. Y., a corporation of New York
Application March 4, 1941, Serial No. 381,649
1 Claim. (Cl. 2—70)



A separable undergarment comprising an upper section and a petticoat section, each of said sections having at its adjacent edge a strip of elastic fagoting for engagement with each other and a ribbon for retaining said sections together.

2,274,383
ELECTRIC WATER HEATER
Harry A. Rush, Los Angeles, Calif.
Application January 6, 1940, Serial No. 312,789
2 Claims. (Cl. 219—40)

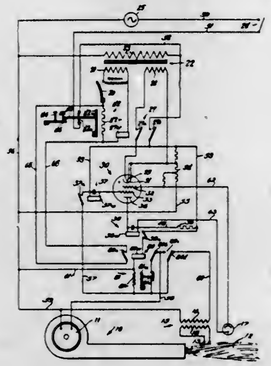


1. An electrical water heater of the immersion type comprising a plug formed of electrical insulating material, a tubular electrode secured at one end to said plug, a second electrode within said tubular electrode secured at one end to said plug, and a housing of insulating material enclosing said electrodes, said housing being supported from the plug independent of any connection to the electrodes and adapted for ready removal from the plug for gaining access to the electrodes.

2,274,384
CONTROL SYSTEM
Warren F. Scanlan, Chicago, Ill., assignor to Charles P. Peirce, Chicago, Ill.
Application March 26, 1941, Serial No. 385,226
4 Claims. (Cl. 158—28)

1. A burner control system comprising, in com-

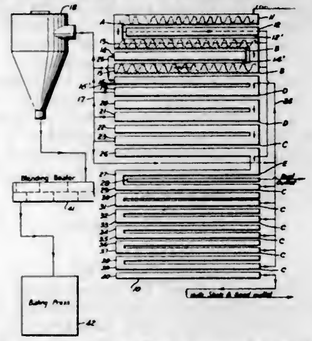
bination, temperature responsive means; an electric valve including a cathode, a control grid, a screen grid and an anode; means controlled by said temperature responsive means for energizing said cathode on the occurrence of a predetermined temperature, electro-responsive means for controlling the supply of fuel to the burner, a start relay having an operating winding connected for energization to said screen grid and contact members disposed to be closed on energization of its winding, circuit means connecting said electro-responsive means for energization to a current source on closure of said contact members, means connected to said control grid for rendering said electric valve conducting as long as there is a flame on said burner, a main control relay having an operating winding connected



to be energized as long as said electric valve is conducting and one set of contact members disposed to be opened and another set of contact members disposed to be closed on energization of its operating winding, said sets of contact members being connected in parallel circuit relation with each other and in series circuit relation with said circuit means, and time delay means including normally closed contact members connected in series circuit relation with said one set of contact members and adapted to be opened a predetermined interval after the operating winding of said start relay is energized for thereafter preventing energization of said electro-responsive means when the flame on said burner intermittently appears beyond a limited extent during said predetermined interval.

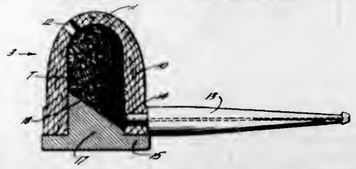
2,274,385
SYSTEM OF PROCESSING LINT
Andrew K. Schwartz, Eugene Bradshaw, and Fred J. Walker, Houston, Tex., assignors to South Texas Cotton Oil Company, Incorporated, Houston, Tex.
Application December 12, 1938, Serial No. 245,112
2 Claims. (Cl. 19—72)

1. The system of processing cotton lint which includes, successive agitating and tumbling steps over foraminous surfaces, whereby extraneous matter and shorter cotton lint are sifted out and the longer lint is retained, returning the extraneous matter and shorter lint to the agitating and tumbling steps for the purpose of re-cleaning the same, discharging the clean lint into a stream of air of such force so as to pick up and convey the clean lint but insufficient to pick up heavier foreign matter and then re-introducing the clean lint back into the system for further



cleaning and also blending to combine the same in a uniform mixture.

2,274,386
SMOKING PIPE
Bascom E. Simpson, Los Angeles, Calif.
Application February 5, 1941, Serial No. 377,509
3 Claims. (Cl. 131—206)



1. A smoking pipe having a removable closure providing the bottom of the bowl of the pipe, said closure carrying a plug which enters and fills the bottom of the bowl, said plug being beveled at its top, the high side thereof being adapted to be positioned in the bowl remote from the stem entrance and the low side thereof being adapted to be positioned adjacent the stem entrance.

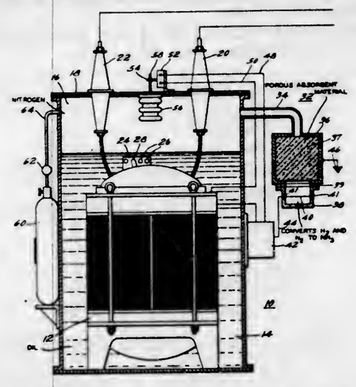
2,274,387
AZO DYE
Francis H. Smith, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1940, Serial No. 326,005
2 Claims. (Cl. 8—24)

1. The process of dyeing union textiles containing cellulose acetate fibers without imparting substantial stain to the acetate, and with the production of color having good discharge properties, which comprises applying a composition containing a direct cotton azo dye, activated carbon, and water to the said textiles.

2,274,388
HYDROGEN ABSORBER
Emerson Venable, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 26, 1940, Serial No. 331,813
8 Claims. (Cl. 174—14)

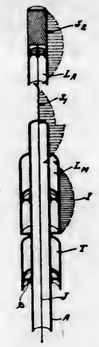
1. A protective device for electrical apparatus provided with a dielectric subject to decomposition by arcing to form gases and an inert gas for protection purposes, comprising, in combination,

means for effecting chemical combination of the gaseous products of decomposition with the inert gas, absorptive means associated with the means



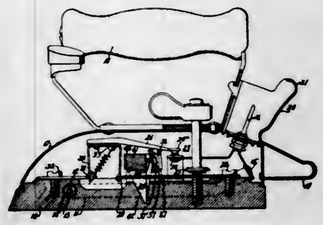
for effecting chemical combination, the absorptive means cooperating to absorb the products of the chemical combination.

2,274,389
ASYMMETRICAL ANTENNA WITH SHIELDED FEED LINE
Hans Jakob Ritter von Baeyer and Hans Otto Roosenstein, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 17, 1940, Serial No. 361,562
In Germany May 23, 1939
5 Claims. (Cl. 250—33)



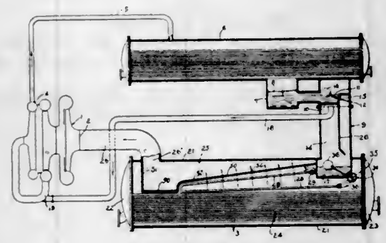
1. In association with a concentric cable line having an inner conductor and an outer casing conductor, an antenna including a pair of coaxial quarter wave radiators, one of said radiators being constituted by the end portion of said outer casing and the other by an extension of said inner conductor beyond the said outer casing and means for preventing the flow of high frequency energy along the outside of said casing including an auxiliary shell surrounding said outer casing and having an end adjacent said antenna and a connection between said auxiliary shell and said casing, said connection being spaced from the end of said shell a distance equal to a quarter of the length of the operating wave.

2,274,390
CONTROL DEVICE FOR ELECTRIC IRONS
Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application June 17, 1941, Serial No. 398,419
6 Claims. (Cl. 219—25)



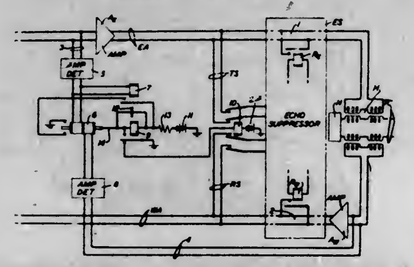
6. In an electric flatiron the combination with a heating element and an energizing circuit therefor of a switch for controlling said circuit, means responsive to temperature of said iron for opening said switch when the iron reaches a predetermined temperature, means for latching said switch in the open position, and means responsive to movement of the iron while in use for rendering said latching means ineffective.

2,274,391
REFRIGERATING SYSTEM AND EVAPORATOR THEREFOR
Joseph R. Zwickl, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application December 6, 1940, Serial No. 368,830
20 Claims. (Cl. 62—8)



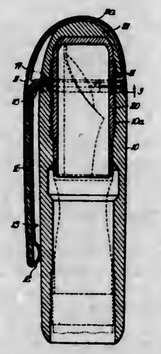
3. In a refrigerating system in which a volatile liquid refrigerant is vaporized, the vapor condensed and the liquid refrigerant returned to be again vaporized, the combination, of an evaporator for the liquid refrigerant, a condenser for the refrigerant vapor, a centrifugal compressor which delivers the refrigerant vapor from the evaporator to the condenser and maintains a predetermined pressure in the evaporator, a connection between said condenser and evaporator to deliver liquid refrigerant from the condenser to the evaporator, a partition in said connection dividing it into a liquid collection chamber and a flash chamber, said connection having a liquid refrigerant collection space in the bottom thereof delivering liquid refrigerant to said evaporator, a connection from said flash chamber to said compressor for delivering vapor direct to the compressor, and a dryer coil in said evaporator for drying vaporized refrigerant passing from the evaporator to the compressor.

2,274,392
TRANSMISSION CONTROL IN TWO-WAY SIGNALING SYSTEMS
Leonard G. Abraham, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1941, Serial No. 389,160
6 Claims. (Cl. 178—44)



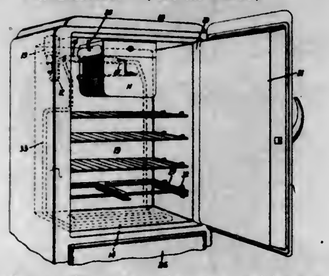
1. In combination in a two-way signaling system, a four-wire circuit for transmitting signals in opposite directions, a two-way signal transmission medium coupled to one terminal of said four-wire circuit, an echo suppressor device responsive to signal transmission in the side of said four-wire circuit transmitting to said medium to insert an echo suppression loss in the other side of said four-wire circuit and means controlled by the transmission in both sides of said four-wire circuit for effectively disabling said echo suppressor device when the level of signal echoes in said other side of said four-wire circuit is less than a predetermined value and for rendering said echo suppressor device operative again when the level of the signal echoes in said other side of said four-wire circuit is above the predetermined value.

2,274,393
RETAINING CLASP
Frank C. Alexander, Evanston, Ill., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application November 7, 1940, Serial No. 364,615
11 Claims. (Cl. 24—11)



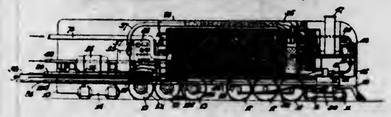
4. A pocket clasp for a writing implement or the like comprising an outer leaf and an inner leaf, said leaves having their lower portions cooperating to form a resilient shank, the upper portion of the outer leaf extending beyond the upper end of the inner leaf, and means connecting the upper ends of the respective leaves to the implement at opposite sides thereof.

2,274,394
REFRIGERATING MACHINE
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1940, Serial No. 331,432
3 Claims. (Cl. 62—116)



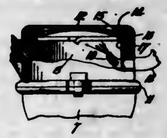
1. A refrigerator comprising a cabinet having a food storage compartment, a primary refrigerating system including a cooling element located in one region of said compartment, a secondary refrigerating system comprising a cooling portion constructed and arranged for cooling another region of said compartment and a condensing portion, means for conducting refrigerant to said cooling element, said condensing portion and said conducting means being arranged in heat exchange relationship.

2,274,395
LOCOMOTIVE
John Phillips Badenhausen, Philadelphia, Pa.
Application February 8, 1940, Serial No. 317,807
2 Claims. (Cl. 105—36)



1. In a locomotive, a closed steam and water cycle including a high pressure steam generator, said steam generator including a superheater and a boiler, a turbine for receiving high pressure superheated steam from said steam generator, driving cylinders connected to and receiving the exhaust at a pressure not in excess of 300 pounds from said turbine, an air cooled condenser for directly receiving the exhaust steam from said cylinders at a pressure above atmospheric pressure and maintaining a back pressure of the order of 15 to 50 pounds at said cylinders, a bypass from the exhaust side of said turbine directly connected to said condenser, and means for returning the condensate from said condenser to said boiler.

2,274,396
DIAL CLEARING MEANS FOR METERS
Robert D. Barry, Grandview, Mo.
Application February 24, 1941, Serial No. 380,165
2 Claims. (Class 73—151)



1. The combination in a meter having a chamber closed at one end by a transparent plate and at its other end by a dial to be read through said plate, of a conduit extending through the side wall of the chamber and a jet opening on the conduit within the chamber and directed to discharge against the inner face of the transparent plate, the outer end of the conduit extending upwardly and terminating in a seat adapted for quick-detachable engagement with a compressed air supply source.

2,274,397
GRATING FOR COALING STATIONS
Asa B. Chapman, Evanston, Ill.
Application March 30, 1940, Serial No. 327,022
7 Claims. (Cl. 209—401)



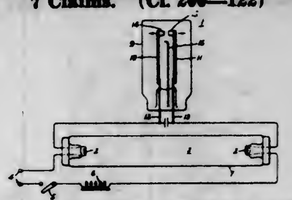
1. In a breaker bar grating, a plurality of flat support bars spaced apart on edge, and a plurality of spaced rods of substantially uniform cross-section passing through openings in the flat bars centered above the centers of the bars a distance at least in the order of one-eighth the depth of the bars to reduce the torque arms of the tops of the bars about the rods, and spaced substantially below the tops of the bars to retain high beam strength of the bars, each rod being welded to each flat bar on the top of the rod and at one side only of each bar and the bottom of the rod and at the other side only of each bar whereby maximum tortional strength is provided for a given amount of welding, the rods fitting freely in the bars whereby weakening strains are avoided, the welds comprising added metal of substantial extent along the bars and along the rods longitudinally and peripherally whereby they increase the strength of the bars, and the rods being round in cross-section whereby they may withstand the blow of a maul as well at inclined and nearly horizontal directions as at a vertical direction.

2,274,398
ATTACHMENT PLUG
Tom J. Conrad, El Segundo, Calif.
Application April 29, 1940, Serial No. 332,201
2 Claims. (Cl. 173—361)



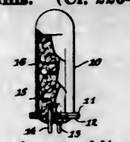
2. An attachment plug comprising a yieldable body, a plurality of contact members in said body and projecting therefrom, means preventing a portion of each of the contact members within said body from bending, the portion without said body being of resilient construction, an offset portion on the resilient portion of each contact member, the offset portion of each of the contact members cooperating to engage under the body of a receptacle, and a portion extending beyond the offset portion for engaging a contact of the receptacle, said last mentioned portion extending to the other side of the plane of the contact member from the offset portion, whereby the offset portion is forced into engagement with the body of the receptacle by the resiliency of the contact member, and squeezing of the yieldable body causes bending of the resilient portions of the contact members to disengage the offset portions from the receptacle.

2,274,399
STARTING SWITCH
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 20, 1941, Serial No. 411,607
7 Claims. (Cl. 200—122)



1. A thermal switch comprising a pair of normally spaced cooperating contacts, means providing a current conducting path shunting said contacts, means responsive to heat produced by current in said path for moving one of said contacts into engagement with the other contact, means for restraining the movement of said one contact beyond a predetermined point, and means responsive to said heat to a lower degree than said heat responsive means for moving said other contact away from said one contact.

2,274,400
MANUFACTURE OF PHOTOFLASH LAMPS
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,740
In Hungary September 5, 1939
8 Claims. (Cl. 226—20)

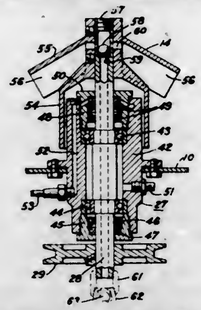


1. The method of assembling the flanged envelope and base of a flashlamp, which comprises juxtaposing an annular laterally projecting area of the flange upon a support thereby supporting the flanged end of the envelope directly by its flange, juxtaposing the rim of the base adjacent to the laterally projecting area of the flange, enclosing both the envelope and base, exhausting the atmosphere in said envelope and replacing it with an active gas, bringing the rim of the base into facial contact with the laterally projecting area of the flange, applying heat, and applying opposing pressure directly on the projecting area of the flange and on the rim of the base next the peripheries thereof for squeezing those parts together and thereby sealing the flashlamp.

2,274,401
AGITATING AND AERATING MEANS FOR FLOTATION CELLS
Frank A. Dromgold, Brisbane, Calif.
Application August 5, 1940, Serial No. 351,455
6 Claims. (Cl. 261—93)

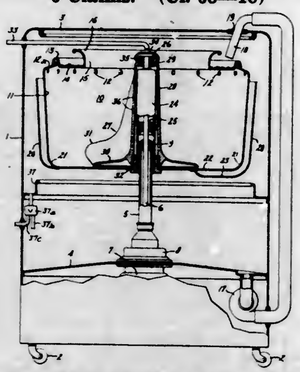
1. In flotation apparatus of the character described, the combination of a pulp receiving receptacle, a bearing pedestal secured to and extended through the bottom of said receptacle, a shaft journalled in and projected upwardly through said pedestal to rotate about a vertical axis, a pulp agitating and aerating means secured

to the upper end of said shaft and disposed below the surface of the pulp within said pulp receiving receptacle, said agitating and aerating means having a hub with a circular web forming portion and radially extending impeller blades depending therefrom which produce a downward circulation of entrained air, and a down-



wardly extending cylindrical flange carried by said hub adapted to telescope over said pedestal and provide an inverted bell in which a portion of said entrained air may accumulate and form an air seal about said shaft which will prevent contact of the pulp with said shaft and the escape of pulp from said receptacle through said bearing pedestal.

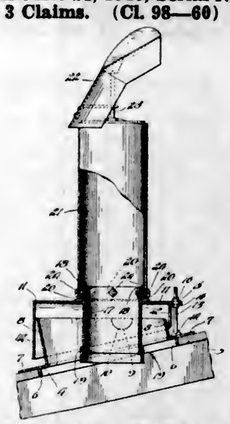
2,274,402
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 29, 1939, Serial No. 311,587
6 Claims. (Cl. 68—18)



1. In a combined washing and drying machine, a rotatable receptacle for receiving clothes to be washed and centrifugally dried, walls defining channels at the side walls of the receptacle, the upper ends of the channels being below the top of the receptacle and open to the outside of the receptacle to define the liqued level in the receptacle and the lower levels of the channels communicating with the interior of the receptacle below the liquid level, and means effective during washing for removing suspended particles from the liquid overflowing said channels and returning the cleaned liquid to the receptacle.

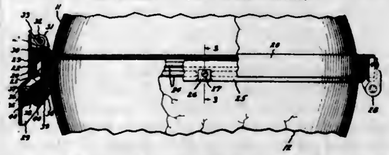
5. In a combined washing and drying machine, a rotatable receptacle for receiving clothes to be washed and centrifugally dried, an agitator in the receptacle having a vertical hollow hub with perforations in the side walls thereof and having vanes projecting therefrom, means for rotating the agitator and receptacle during centrifugal drying, and an opening at the top of the hub communicating with the interior thereof into which rinsing liquid may be introduced during centrifugal drying so as to flow out through said perforations.

2,274,403
CHIMNEY
Arthur J. Filkins, Chicago, Ill.
Application June 24, 1940, Serial No. 341,992
3 Claims. (Cl. 98—60)



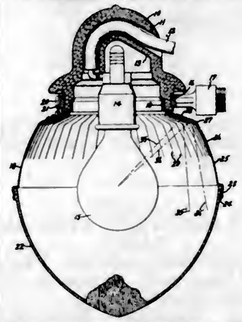
1. In a chimney of the class described, a roof-plate, a cover member pivoting thereto, means for adjusting the cover member to horizontal position depending upon the slope of the roof, the cover member having a flue section extending through it and above the upper side thereof, an outer chimney flue of larger diameter than the flue section, projections extending outwardly from the upper surface of the cover member adjacent the flue projection thereof forming a seat for the lower end of the chimney section and weep-slots at the lower end of the outer chimney flue between the projections, and attaching means for connecting the lower end of the chimney section to the upper end of the section, leaving a free space entirely surrounding the flue section and connecting with the said slots.

2,274,404
LATCH FOR LUMINAIRES
Harold J. Flaherty, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application December 15, 1939, Serial No. 309,439
5 Claims. (Cl. 292—239)



1. In a latching mechanism the combination of a latching lever, a latching element pivotally mounted upon said latching lever, and means for adjusting said latching element upon said latching lever thereby to regulate the distance between said latching element and the pivotal axis of said latching lever.

2,274,405
LUMINAIRE
Harold J. Flaherty, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application July 9, 1940, Serial No. 344,531
1 Claim. (Cl. 240—25)



In a reflector for a highway luminaire, the combination of a conoid generated by a compound curve arranged to project light across the axis of the conoid and below the opposite edge of the reflector, panels in said conoidal surface arranged to deflect the projected light from the axis of the conoid, a conical section adjoining the upper edge of said conoidal section and divided into panels said panels being tangent to the conical surface along one edge of each panel thereby projecting a conical beam adjacent the open edge of the conoidal section of the reflector.

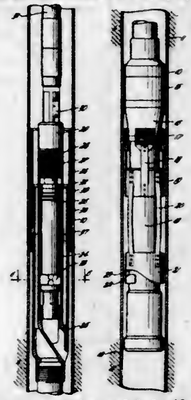
2,274,406
CALF WEANER
Elmer Gommels, Manson, Iowa, assignor to All-over Manufacturing Company, Racine, Wis.
Application May 20, 1940, Serial No. 336,208
3 Claims. (Cl. 119—132)



1. A calf weaner comprising, a nose ring adapted to be opened for insertion through the septum of a calf's nose and closed to prevent loss of the ring, an arcuate plate rigidly secured to the ring at the lower end thereof and projecting forwardly from the ring and substantially at right angles thereto, and penetrating prongs formed on the outer edge of said plate.

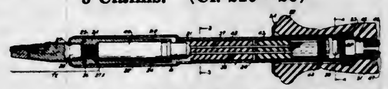
2,274,407
MEANS FOR PRODUCING FROM SPACED OIL SANDS ONE OF WHICH REQUIRES PUMPING
Otto Hammer, Whittier, Calif., assignor to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application August 9, 1939, Serial No. 289,164
2 Claims. (Cl. 166—2)

1. An apparatus for producing from spaced oil sands comprising vertically spaced packers, means providing a passage through the upper packer leading from the space between the packers through the upper packer to a tubing, means providing a second passage leading from below the lower packer through both packers to the space above the upper packer surrounding the tubing, the lower packer being a slip-set packer, the upper packer being equipped for releasably connecting it to a "run-in" pipe, and a delayed



action setting means by which the "run-in" pipe may set the upper packer following release.

2,274,408
ELECTRICALLY HEATED TOOL
Leon N. Hampton, New York, N. Y., and Amos H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1940, Serial No. 317,798
5 Claims. (Cl. 219—26)

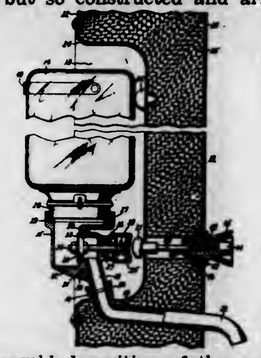


2. An electric soldering iron, comprising a tubular support having an enlarged portion at one end, a bushing mounted in position concentric to the enlarged portion of said support, an electric heating element in said bushing, a heat-applying tip connected to said bushing in end to end relation with said element, and a pair of parallelly disposed pins each engaging said support at two points and said bushing at one point for securing the latter in said support.

2,274,409
LIQUID DISPENSING APPARATUS
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 11, 1941, Serial No. 378,396
2 Claims. (Cl. 62—141)

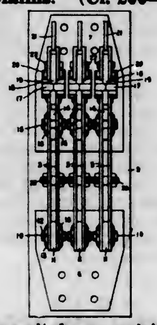
1. In a refrigerator cabinet having inner and outer walls defining a food storage compartment, a member having an upwardly opening recess, said recessed member being supported in said compartment on said inner wall, an inverted liquid container supported in said recessed member, said container having an opening for the passage of liquid therefrom, a cup-shaped closure member carried by said container for closing said container opening, the bottom wall of said closure member having a portion extending into and supported by said recessed member, said portion having an opening for the passage of liquid from said closure member to said recessed member, valve means for normally closing said opening in said closure member, valve operating means extending through a side wall of said closure member for operating said valve, additional means extending through a wall of the cabinet and having a portion for engaging said valve operating means to cause said valve operating means to

open said valve when said additional means is actuated from outside the cabinet, said valve operating means and said additional means being separate but so constructed and arranged that



in the assembled position of the container said valve is opened only when said additional means is actuated, and means for conducting liquid from said recessed member to the exterior of said cabinet.

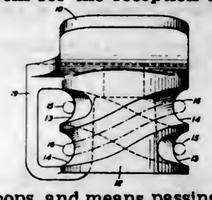
2,274,410
ELECTRIC SWITCH
Winton G. Harlow, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application March 19, 1941, Serial No. 384,112
6 Claims. (Cl. 200—162)



1. An electric switch comprising two terminals, a plurality of movable spaced elongated conducting members for conducting electric current between said terminals, said members being physically parallel while in the current conducting position, and means for preventing deformation of said members while they are conducting current comprising a bracing element carried by each of said members at a point intermediate their points of engagement with said terminals, each of said elements being so proportioned and positioned that the elements of adjacent members practically abut each other when the members are in the current conducting position.

2,274,411
WIRE SUPPORTING AND JOINING FIXTURE
Walter J. Hill, Long Island City, and Herbert F. Stover, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1940, Serial No. 371,114
2 Claims. (Cl. 248—220.5)

1. A fixture for supporting and connecting the looped ends of wires, or the like, which comprises a base member, a spindle extending from said base, said spindle having interlacing spiral grooves therein for the reception and interlock-

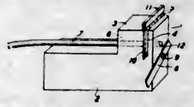


ing of said loops, and means passing through said spindle and said base for securing said fixture to a suitable support.

2,274,412
METHOD OF PREPARING FREE ALIPHATIC BASES
William H. Hill, Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 8, 1939, Serial No. 308,133
3 Claims. (Cl. 260—564)

3. In a method of preparing free guanyl urea from a salt thereof by the action thereon of a causticizing reagent stronger than guanyl urea, where the causticizing reagent is chosen from the group consisting of alkali metal amides, and compounds of the type $NR_1R_2R_3$, the R's being chosen from the group consisting of hydrogen, alkyl, aryl, alkylol and aralkyl radicals, the improvement which includes carrying out the guanyl urea-freeing reaction in a solvent medium for guanyl urea, containing not less than 60% ammonia, and at a temperature below that at which ammonia will react with free guanyl urea, and recovering guanyl urea from its solution in the solvent.

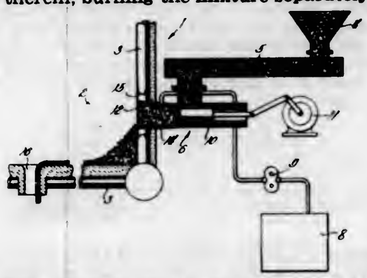
2,274,413
METHOD OF AND APPARATUS FOR MAKING SOLDER CONNECTIONS
William E. Ingerson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 4, 1941, Serial No. 373,104
4 Claims. (Cl. 113—112)



1. A method of solder connecting a lead wire to a unit having a surface to which solder will adhere, comprising forming on an end of said wire a solder button having a rounded portion, placing said rounded portion against said surface, resting on said button a mold made of material having no affinity for solder and having an indentation therein adapted to receive the amount of material in said button, resting a heated tool on said mold until the solder is melted sufficiently to adhere to said surface and take the form of the indentation in said mold and removing the heated tool from said mold.

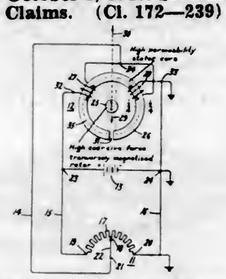
2,274,414
METHOD OF DISPOSING OF FLY ASH
Ralph Ernest Hawels James, Chicago, Ill.
Application November 4, 1940, Serial No. 364,213
1 Claim. (Cl. 110—165)

The method of disposing of fly ash which comprises, mixing fly ash with combustible oil, delivering the mixture of fly ash and oil in a furnace combustion chamber adjacent the bottom thereof, igniting the mixture by heat generated in said chamber incident to the main combustion therein, burning the mixture separately from



the main combustion of the furnace and thereby melting the fly ash to produce molten slag, maintaining the slag in molten condition by heat generated in said chamber, and drawing off the molten slag.

2,274,415
TELEMETERING SYSTEM
Richard G. Jewell, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 1, 1940, Serial No. 359,290
5 Claims. (Cl. 172—239)

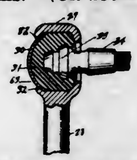


1. A telemetering system comprising a source of direct current, one side of which may be grounded, a transmitter, a receiver, and a pair of conductors, the transmitter comprising a resistor grounded at one end with a terminal at the other end and a tap movable in response to indications to be transmitted, said terminal and said tap respectively connected to the first and second of said conductors, said current source being grounded on one side and having its ungrounded side connected to the first of said conductors, said receiver comprising an annular core of magnetizable material, a transversely magnetized permanent magnet rotor rotatably mounted within said annular core substantially concentric therewith, and a pair of windings linking said core, said windings being connected in series opposition with respect to flux flow circularly through the core and having a junction point connected to the second of said conductors, the first of said conductors being connected to the free end of one of said windings, the free end of the other of said windings being grounded, whereby said resistor shunts the current source and the series connected windings, and adjustment of the tap on said resistor varies the relative strength of the currents flowing in said windings to cause variation in angular direction of the flux produced by the stator windings diametrically crossing the stator core, thus in turn, determining the angular position of the rotor.

2,274,416
BREAD CHIP PROCESS
Glen Edson Junge, Fort Scott, Kans.
No Drawing. Application February 1, 1940, Serial No. 316,506
2 Claims. (Cl. 99—86)

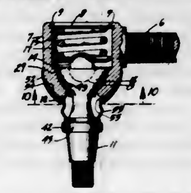
1. The method of producing a bread chip which comprises breaking down the cellular structure in a loaf of baked bread by kneading under pressure until the adhesiveness of the gluten has been developed to form a tough, non-granular, resilient, homogeneous dough, sheeting the dough, processing the dough to fix the percentage moisture content at such value that on expansion of the moisture innumerable spaced bubbles will be formed on the opposite sides of the chip, and hot grease frying said chip at such temperature as to expand its moisture content to form said bubbled surfaces.

2,274,417
JOINT ASSEMBLY FOR SHOCK ABSORBERS AND THE LIKE
Morris Katcher, New York, N. Y.
Application October 10, 1938, Serial No. 234,101
2 Claims. (Cl. 287—85)



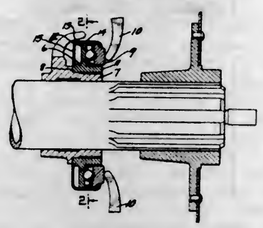
2. A joint comprising a socket having an opening at one side and a shank joined to the socket, a member projecting through said opening and having a head in the form of a frustrum of a cone in the socket with the end of the head located farthest from the opening being the small end of the frustrum, and a bushing of rubber or the like substantially filling the socket around said head.

2,274,418
STEERING KNUCKLE JOINT
Morris Katcher, New York, N. Y.
Original application June 11, 1938, Serial No. 213,125, now Patent No. 2,197,889, dated April 23, 1940. Divided and this application February 8, 1940, Serial No. 317,996
6 Claims. (Cl. 287—90)



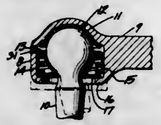
1. A joint comprising a housing, a stud extending into the housing through an aperture therein, said stud having its end in the housing universally mounted therein for limited universal rotation between the housing and the stud, said housing having an encircling groove on its outside, a shell having an inwardly projecting bead near its upper end fitting in said groove, and a tubular cap of flexible sheet material open at opposite ends, the upper portion of said cap coming between the outside of the housing and the inside of the shell, the lower portion of the cap encircling the stud and being attached thereto closing off the lower end of the cap.

2,274,419
THRUST BALL BEARING
Morris Katcher, New York, N. Y.
Application December 21, 1940, Serial No. 371,080
6 Claims. (Cl. 308—187)



1. A bearing comprising a pair of race rings, the first race ring having an inner axially extending portion and a rib extending radially outward from said portion at an intermediate place thereof, the second race ring comprising a radially extending portion loosely mounted on said axially extending portion to one side of said rib, encasement means in a tight fit with said axially extending portion on the other side of said rib, said encasement means also having a tight fit with the rib for enclosing a space to said other side of the rib and radially outward from said axial portion for providing a lubricant reservoir, and members adapted to roll between the rib and the second race ring in contact with each and holding them in spaced relation, said rib being provided with at least one feed passage through it leading from the reservoir to the space between the rib and the second race ring.

2,274,420
KNUCKLE JOINT
Morris Katcher, New York, N. Y.
Application February 12, 1941, Serial No. 378,492
16 Claims. (Cl. 287—90)



1. A joint comprising a housing, having an aperture, a member having a head in the housing and a shaft extending out of the housing through said aperture, and dampening means located inside of the housing, for mounting the head of the member in the housing, said means yieldingly urging the head of the member inward of the housing away from said aperture and permitting a limited universal motion between the member and the housing said head exerting pressure against the inside of the housing opposite said aperture.

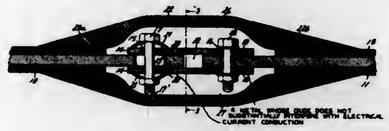
2,274,421
POWER DRIVEN PRUNING DEVICE
Linn Olaf B. Lindstrom and Alvero E. Smith, San Francisco, Calif.
Application November 21, 1939, Serial No. 305,466
1 Claim. (Cl. 30—67)

In a power pruning device the combination of a circular saw and driving motor, where the motor and saw head are connected together in a complete assembly for operation as one unit, where the driving shaft of the saw is at a right angle to the driving motor shaft, and the plane of the saw perpendicular to any plane thru the axis of the operating handle, gearing between the motor shaft and the saw shaft, support bearings on the saw shaft on the motor side of the saw only, a housing supporting the saw shaft bearings, saw shaft, motor, motor shaft and bearings, driving gears, in one compact assembly, with an operating handle secured to such assembly, a face plate secured to the saw shaft, the saw secured to such face plate with screws whose heads are inset flush with the outside face of the saw, a



stationary guard consisting of a lower face that is a flat piece with a notch cut out but with no projections and fitted close to the face of the saw with minimum operating clearance, an upper stationary guard face with notch, a movable guard portion consisting of an upper set of faces only with edges curled down and over the operating perimeter of the saw teeth only such movable guard faces being rotatable about a circular machined surface inset in the housing around the saw shaft bearings and gearing.

2,274,422
ELECTRICAL CONNECTION
Bertram W. Mahoney, Drexel Hill, and George M. Reed, Kirklyn, Pa., assignors to General Electric Company, a corporation of New York
Application January 20, 1940, Serial No. 314,844
9 Claims. (Cl. 174—73)

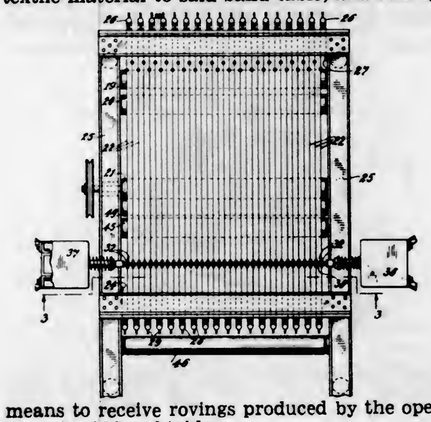


7. An insulated joint for connecting the adjacent ends of high-voltage insulated bus bars comprising, a pair of uninsulated overlapping members, fastening means for maintaining said members in current carrying contact, expansion means for permitting relative longitudinal movement between said members without substantially impairing the current carrying ability of said contact, a metallic shield surrounding said joint for supporting insulating material, said fastening means being so constructed and arranged as to contact said metallic shield for maintaining said shield and bus bars at the same potential whereby corona within said metallic shield is prevented.

2,274,423
MACHINE FOR MAKING SLIVERS OR ROVINGS
Louis P. Miller, Brooklyn, N. Y., assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y., a corporation of New York
Application June 12, 1940, Serial No. 340,050
19 Claims. (Cl. 19—150)

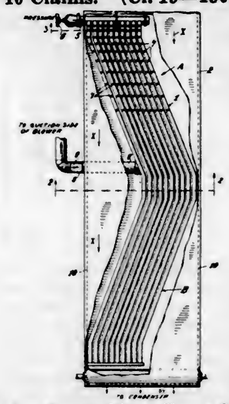
1. In a machine for making slivers, the combination of a plurality of tensioned bands spaced apart horizontally with the bands set edgewise in substantially vertical planes to form a band table, power means to cause said bands to vibrate with a twisting motion, means to feed loose

textile material to said band table, and conveyor



means to receive rovings produced by the operation of said band table.

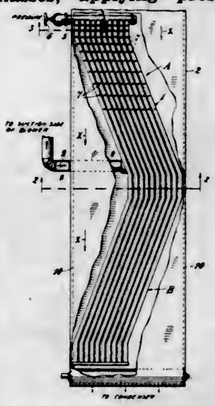
2,274,424
SLIVER MAKING MACHINE
Louis P. Miller, Walden, N. Y., assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y., a corporation of New York
Original application June 12, 1940, Serial No. 340,049. Divided and this application May 21, 1941, Serial No. 394,396
10 Claims. (Cl. 19—150)



9. A machine for making slivers from fur fibers or the like comprising a travelling support to support said fibers as a loose fiber lap, dividing means to divide said lap into a plurality of loose fiber elongated masses supported by said travelling support, and means to cause said elongated masses to roll on said travelling support while said elongated masses are being subjected to pressure.

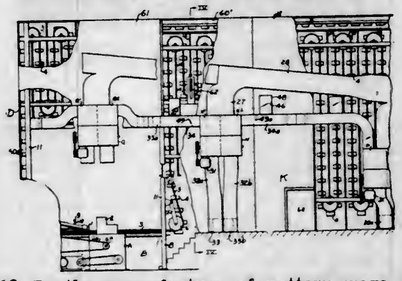
2,274,425
METHOD OF MAKING SLIVERS
Louis P. Miller, Brooklyn, N. Y., assignor to Miller-Jonas Holding Co., Inc., Walden, N. Y., a corporation of New York
Application June 12, 1940, Serial No. 340,049
13 Claims. (Cl. 19—150)

1. The method of forming slivers solely from loose textile fibers comprising the following steps forming said fibers into uncompacted elongated masses, moving the masses lengthwise and rotating the same while lying free on a sole underneath support to orient the major portion of the fibers in the general direction of the axis of the elongated masses, applying pressure to the



masses transversely of their lengths to compact the same into silvers, and supporting said masses continuously at all times from the beginning of said steps to the end thereof.

2,274,426
METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Application August 9, 1937, Serial No. 158,127
25 Claims. (Cl. 25—156)

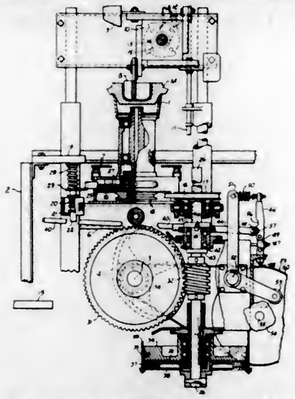


19. In the manufacture of pottery ware, the method which consists in continuously forming a plurality of different kinds of ware, introducing the same continuously into a common dryer, circulating the ware therein and subjecting the same to a drying atmosphere and removing the ware from the dryer as the various kinds of ware matures, some ware being circulated in the dryer and subjected to the drying atmosphere longer than other ware.

2,274,427
MECHANISM FOR PREVENTING OVERLOADING
William J. Miller, Swissvale, and Ashley J. Reek, Carrick, Pa.; said Reek assignor to said Miller
Application March 30, 1939, Serial No. 264,930
14 Claims. (Cl. 192—150)

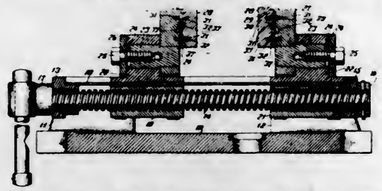
1. In apparatus of the class described, a driven mechanism, a drive mechanism therefor, a clutch for releasably coupling said driven and said drive mechanisms together and means for varying the torque transmitting ability of the clutch whilst the driving connection subsists including

a cam having a working surface developed according to the normal resistance changes im-



posed by the driven mechanism on the drive during an operations cycle.

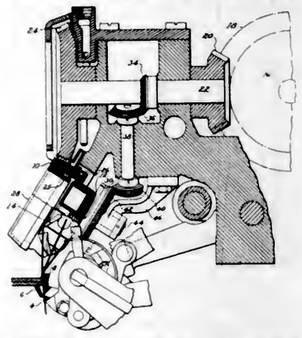
2,274,428
VISE MECHANISM
Eugene A. Odin, Chicago, Ill.
Application November 8, 1939, Serial No. 303,351
4 Claims. (Cl. 81—38)



1. In a vise, the combination with a pair of jaws, of means for moving said jaws relatively to clamp articles between them, each of said jaws comprising a back piece having a horizontal slot in its face toward the upper portion thereof and a similar slot in its face toward the bottom portion thereof, and cam surfaces above and below each of the slots, together with a cooperating front piece having in its rear face a pair of horizontal slots registering with those on the back piece and cam surfaces above and below each of said slots cooperating with and always in contact with the cam surfaces on the back piece so that when the jaws are clamped on an article, the front pieces will be forced downward, bowed leaf-springs in said slots acting to return the front pieces to normal when the pressure thereon is released, and connections between said front and back pieces in the faces thereof to prevent their accidental separation and relative longitudinal movement.

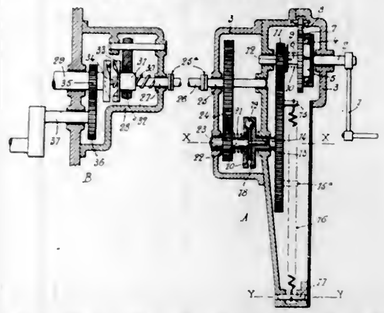
2,274,429
LOCKSTITCH SEWING MACHINE
John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 18, 1940, Serial No. 357,188
13 Claims. (Cl. 112—38)

1. A lockstitch sewing machine having, in combination, stitch forming devices including a hook needle, a locking thread case, a rotary loop taker in which the locking thread case is supported, means for driving the loop taker to carry each loop of needle thread about the thread case, and means for retaining the thread case from ro-



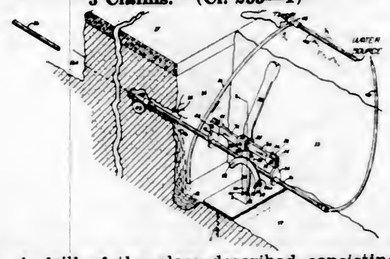
tation with the loop taker comprising a continuously rotating thread case engaging member.

2,274,430
TURNING GEAR FOR INTERNAL COMBUSTION ENGINES
Henry Charles Alexandre Potez, Meaulte, France
Application May 10, 1939, Serial No. 272,889
In France May 18, 1938
5 Claims. (Cl. 185—39)



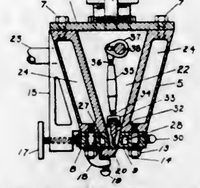
1. A turning gear for turning the crankshaft of an internal combustion engine with a view of starting same, comprising operating means, a rotatable crank-member in the form of a circular plate carrying an eccentric crank-pin and formed with gear teeth on its periphery, a connecting means between said operating means and said crank-member for rotating same from said operating means, said connecting means including a free-wheel mechanism having a driving member connected in rotation to said operating means, and a driven member, a ratchet wheel connected in rotation to the driven member of said free wheel mechanism, a pawl engaging said ratchet wheel for preventing reverse rotation thereof, a friction clutch having a driving member connected in rotation to said ratchet wheel and a driven member, a toothed pinion connected in rotation to said last-mentioned driven member and meshing with the teeth formed on the periphery of said crank-member, a speed reducing transmission for connecting said crank member to the crankshaft to be turned and a spring means connected to and cooperating with said crank-pin and expanding during one half of a revolution of said crank-member and contracting during the other half revolution of said crank-member thereby imparting an additional impulse to said crank shaft.

2,274,431
HYDRAULIC DRILL
Robert R. Renner, Portland, Oreg.
Application March 26, 1940, Serial No. 326,015
3 Claims. (Cl. 255—1)



1. A drill of the class described consisting of a base adapted to be mounted in a trench, a lever pivotally mounted on said base, a pipe support attached to said lever the pipe supporting surface thereof being curved on an arc struck from the pivot center of the lever, a pair of pipe moving jaws attached to said lever, one of said jaws being adapted to move a pipe resting on said support in a feeding direction and the other jaw being adapted to move said pipe in a withdrawing direction and means for varying the relative effective movements of said jaws.

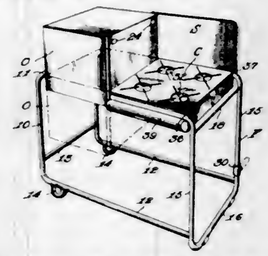
2,274,432
EXTRUSION APPARATUS FOR COATING VENEERS
Leonard E. Repsher, East Orange, and Charles W. Hammond, Bloomfield, N. J.
Application June 7, 1940, Serial No. 339,214
5 Claims. (Cl. 91—43)



1. An apparatus for extruding a web of plastic material comprising a hopper for holding said plastic material, adjustable means operable to form an outlet orifice of predetermined area for said hopper to control the width and thickness of the material extruded from said orifice, means for supplying heat to said hopper to maintain said material in plastic form and at a preselected viscosity, and means disposed adjacent said adjustable outlet orifice for heating the latter to a temperature higher than said hopper to control the viscosity of said material at the point of extrusion from said orifice.

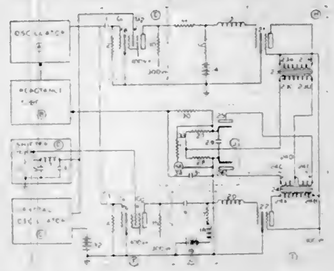
2,274,433
RANGE CONSTRUCTION
Arthur P. Schulz, Michigan City, Ind., assignor to G. & J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller
Application April 12, 1938, Serial No. 201,609
2 Claims. (Cl. 126—39)

1. A gas range construction comprising a unitary tubular frame embodying a pair of vertical members at each end thereof, a horizontal member interconnecting the upper ends of one pair of vertical members, a pair of horizontal members in continuation of the other pair of vertical members, the pair of horizontal members being parallel and extending longitudinally of the frame toward and in horizontal alinement with the first horizontal member and with the free ends thereof in spaced relation to the first



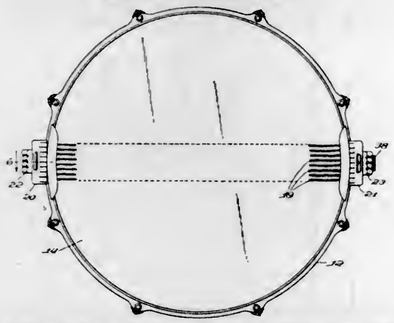
horizontal member, horizontal spaced pins on the first horizontal member and alined with said horizontal members, and a combined baking and broiling unit having sockets in opposite sides thereof respectively receiving the free ends of the pair of horizontal members and the pins for holding the combined baking and broiling unit in operative position.

2,274,434
RADIO APPARATUS
Charles F. Sheaffer, Tulsa, Okla.
Application November 15, 1941, Serial No. 419,332
12 Claims. (Cl. 250—36)



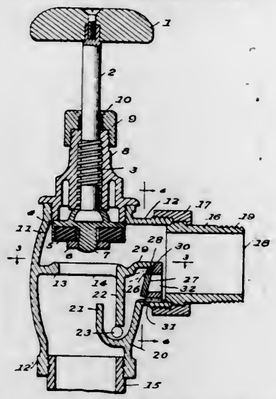
1. In a frequency stabilizing and adjusting system the combination of, a source of radio frequency oscillations, the frequency of which is substantially fixed, a second source of radio frequency oscillations having a frequency subject to variation, the extent of which is to be controlled, two detector devices each of said detector devices deriving a beat frequency between the frequencies of said sources of radio frequency oscillations, means for shifting the phase of one of said oscillation sources by substantially 90 degrees before application thereof to one of said detectors, a network for shifting the phase of one of the beat frequency oscillations by substantially 90 degrees, amplifiers for amplifying the two separate beat frequency oscillations, a balanced rectifier, means for impressing said beat frequency oscillations on said rectifier in such a manner that the output of said rectifier will be zero if the frequency of the two sources of radio frequency oscillation are equal, and will be a positive or negative voltage proportional to the frequency difference if the radio frequency oscillations have unequal frequency, and means for controlling the frequency of said second source in accordance with the output of said rectifier.

2,274,435
SNARE DRUM
Henry H. Slingerland, River Forest, Ill.
Application January 24, 1941, Serial No. 375,846
8 Claims. (Cl. 84—415)



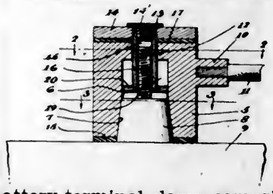
1. Apparatus of the character described for providing self-adjusting connection between the strainer member at the end of a snare and a bracket member on the shell of a drum, including: an elongated opening through one of said members; and a hook portion on the other member adapted to extend through said opening and bear against one edge thereof, the engagement normally being only with the center of said hook portion.

2,274,436
STEAM VALVE
George N. Spence, Wilmington, Del.
Application July 27, 1940, Serial No. 347,976
4 Claims. (Cl. 277—54)



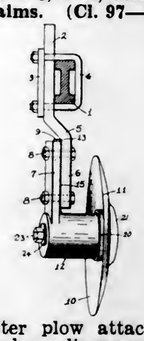
1. A steam valve adapted for one pipe steam heating systems comprising an inlet port, an outlet port, a main valve and a valve seat for said main valve, a by-pass around said main valve, a flap valve hingedly mounted in a normally closed position in said by-pass adjacent of said outlet port, said flap valve being operably responsive to the pressure of water of condensation to permit the flow of said water therethrough when said main valve is in any position, a water seal positioned below said flap valve to receive the water of condensation flowing from said flap valve and provide a water by-pass around said main valve while preventing the passage of steam through said by-pass, said flap valve being spaced apart from said water seal to prevent contact between said valve and the fluid in said seal.

2,274,437
BATTERY TERMINAL CLAMP
Walter E. St. George, Rochester, Minn.
Application June 8, 1940, Serial No. 339,556
2 Claims. (Cl. 173—259)



2. A battery terminal clamp comprising a body having a central recess adapted to receive a battery post, a threaded stud projecting axially from the top of the battery post, an internally threaded sleeve rotatably and slidably mounted through a bore in the top of said body, said sleeve extending into the recess of said body and having threaded engagement with said stud, a knob secured on the upper end of said sleeve for turning said sleeve whereby the sleeve is moved up and down on said stud, said knob being adapted to contact the top of said body when the sleeve moves down, and a collar secured to the lower end of said sleeve within the recess of said body, said collar being slidable within the recess and adapted to contact the upper end thereof when said sleeve moves upwardly.

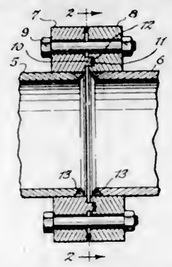
2,274,438
PRECISION ROLLING DISK COLTER
Paul Stoner, Valparaiso, Ind., assignor of fifty per cent to Ruth Stoner and fifty per cent to Catharine Stoner, both of Valparaiso, Ind.
Application June 6, 1940, Serial No. 339,155
4 Claims. (Cl. 97—209)



1. In disk colter plow attachments, a plow beam, a vertical depending support rigidly held on the plow beam, an offset in the support, a rolling disk colter, a bearing for the colter, an integral extension from the bearing, means for supporting the extension on the depending support, a micrometric adjusting member between the extension and the support, said member comprising an enlarged head, a thin plate projecting therefrom, said plate having slotted openings, and bolts passing through the extension, the support and the slots of the plate for holding the parts in the desired rigid assembled relation.

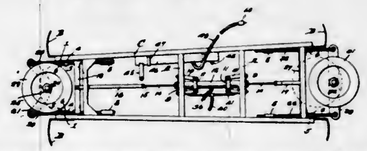
2,274,439
PRESSURE VESSEL
Townsend Tinker, Boston, N. Y., assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application July 1, 1939, Serial No. 282,439
2 Claims. (Cl. 285—137)

1. A joint for companion parts which are adapted to be secured together by bolts, one of said parts terminating in a cylindrical wall portion, an annular external flange fitting over said cylindrical wall portion and to which the other of said parts is adapted to be secured by said bolts, said flange and last named part being formed with aligning holes for said bolts and having abutting side faces which inwardly of said holes cooperate with one another to provide a seal and which outwardly of said holes are held spaced apart by said seal, and an annular fusion weld connecting said flange to the end of said cylindrical wall portion in the line of shearing stress and leaving the major portion of said flange unattached to said cylindrical wall portion, whereby the forces produced by the



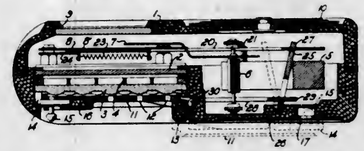
drawing-up of said bolts and the application of fluid pressure loads tend to distort said flange by setting up a circular axis located in a neutral plane normal to the axis of the flange opening and about which the flange tends to twist in response to said forces to assume a dished shape with attendant development of zones of compression and tension at opposite sides of said neutral plane, the compression zone of the flange being connected by said weld to said cylindrical wall portion and the tension zone drawing away from said cylindrical wall portion as said flange assumes said dished shape, thereby providing for substantial flange deflection while maintaining deflection of said cylindrical wall portion at a magnitude substantially less than that at which permanent distortion occurs.

2,274,440
PARKING BUMPER FOR MOTOR VEHICLES
Margaret Payne Tozier, Seattle, Wash.
Application July 23, 1940, Serial No. 347,009
3 Claims. (Cl. 293—55)



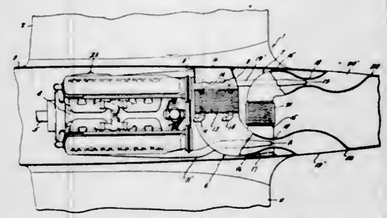
1. The combination with the chassis of a motor vehicle, of a parking bumper including a structure slidably mounted within each end portion of the chassis, a spare wheel mounted on each of said structures for movement therewith and constituting an impact-receiving element, a cylinder between and alined with the centers of the spare wheels, opposed pistons in the cylinder and connected to the respective structures, and means under the control of the occupant of the vehicle for directing fluid under pressure into the cylinder and between the pistons to simultaneously move the structures away from or toward each other.

2,274,441
EXPOSURE METER
Alexander T. Williams, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 14, 1939, Serial No. 251,005
20 Claims. (Cl. 88—23)



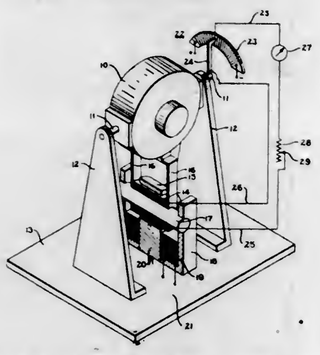
16. In an exposure meter, a casing housing a photoelectric cell and a measuring instrument, a main baffle system for restricting the acceptance angle of the cell to a predetermined value, an auxiliary baffle hinged upon said casing and angularly movable into operative position in front of said main baffle system to effect a multiplication of the measuring range of the measuring instrument, said auxiliary baffle comprising an apertured plate having openings of such width with respect to axial length that the acceptance angle of the cell is reduced when said auxiliary baffle is moved into operative position, and cooperating means carried by said casing and auxiliary baffle for latching said auxiliary baffle in operative or alternatively in inoperative position.

2,274,442
HEAT EXCHANGE DEVICE
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application April 28, 1939, Serial No. 270,666
4 Claims. (Cl. 123—174)



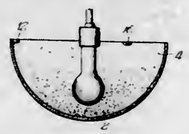
3. A conditioning system for a vehicle having opposed walls and provided with an engine having exhaust ports, a liquid cooling system and an oiling system, comprising a pair of openings in each of the said opposed walls, said openings being positioned perpendicular to the said air flow, a pair of ducts mounted within the vehicle, said ducts extending transversely across the vehicle and operatively communicating with the openings in the opposed walls, a Venturi section in each of the ducts adjacent the outlet openings, a heat exchange device mounted in each of the ducts at points intermediate of the inlet opening and the Venturi section, and an exhaust pipe extending through the wall of each of the ducts, each of said exhaust pipes terminating in the narrowest part of said Venturi section and each of said exhaust pipes being parallel to the longitudinal axis of the Venturi section in which it is positioned, said exhaust pipe and heat exchange device being operatively connected to the exhaust side of the engine and the cooling and oiling systems, respectively.

2,274,443
RATE OF TURN GYROSCOPE
Franz Fischer, Berlin-Wilmersdorf, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application July 1, 1939, Serial No. 282,571
In Germany July 2, 1938
13 Claims. (Cl. 33—204)



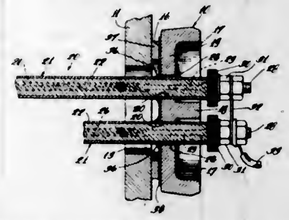
1. A rate of turn indicator for aircraft, comprising a gyro rotor mounted for spinning about a first axis, means mounting said rotor for angular movement about a second axis perpendicular to said spin axis, said last-named means being mounted for movement with said craft about said second axis during turning of said craft, electrical means carried by said mounting means energized during angular movement of said mounting means about said second axis to restore said mounting means to a normal position, continuously energized means adjacent said electrical means for creating a magnetic field about the latter, means having a portion thereof movable with said mounting means about said second axis for energizing said electrical means in proportion to the amount of angular movement of said mounting means about said second axis whereby a magnetic field is created about said electrical means coacting with the magnetic field of said continuously energized means whereby said mounting means is restored about said second axis to said normal position, and means for indicating the current flow to said electrical means during angular movement of said mounting means as a function of the rate of turn of said craft.

2,274,444
LIGHTING FIXTURE
Simon Freed, Chicago, Ill.
Application May 4, 1940, Serial No. 333,329
2 Claims. (Cl. 240—78)



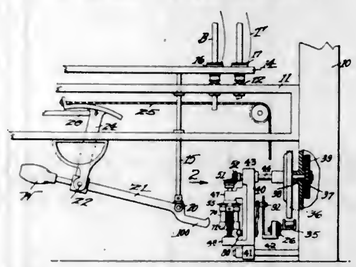
1. A lighting fixture of the semi-indirect type of the character described comprising a shade for use around a light bulb or the like, said shade being coated with a metallic light transmitting-reflecting film of varying gradations of thickness, the thickness of said film being in general thinner the farther the beam traversing the film is to cast its light to thereby obtain a more uniform distribution of light at various distances from the light source.

2,274,445
HEATING MEANS
Millard M. Greer, Carnegie, Pa., assignor to Edwin L. Wiegand, Pittsburgh, Pa.
Application May 16, 1940, Serial No. 335,585
8 Claims. (Cl. 219—38)



1. Heating means, comprising: a forged steel body, constructed for connection to a support; heating element means, comprising a copper sheath welded to said body, and electrical resistor means disposed within said sheath; and a copper member, welded transversely about said sheath adjacent meeting surfaces of said sheath and said body, and so constructed and arranged that said member overlies at least part of the surface of said body.

2,274,446
BUNCH BUILDER
Dana C. Heald, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 13, 1940, Serial No. 334,747
11 Claims. (Class 242—43.7)

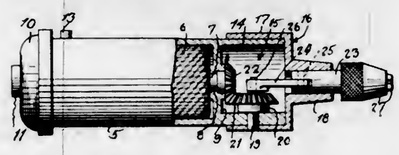


1. In a spinning frame having a continuously rotated builder cam and a builder lever normally oscillated thereby, in combination, a slidable shaft, a cylindrical edge cam mounted on said shaft and having a deep axially-extending recess at one point in its periphery, driving connections for said slidable shaft, one element of said driving connections being mounted on said slidable shaft and being normally axially displaced from driving relation to the other element of said connections, said edge cam being rotated when said shaft is moved axially and said driving connections are engaged, an auxiliary cam roll engaged by said edge cam and connected to give said builder lever relatively short oscillations to wind a bunch as said slidable shaft is rotated, and said builder cam being rendered effective to control said builder lever when said auxiliary cam roll enters said deep recess and moves idly therein.

2,274,447
CATALYTIC CONVERSION OF UREA-FORMALDEHYDE RESINS
Theodore S. Hodgins, Royal Oak, and Almon G. Hovey, Birmingham, Mich., assignors to Reichhold Chemicals, Inc., Detroit, Mich.
No Drawing. Original application September 13, 1939, Serial No. 294,750. Divided and this application February 17, 1940, Serial No. 319,540
10 Claims. (Cl. 260—71)

1. A process for converting an acid convertible urea-formaldehyde resin which comprises adding to the resin a preformed accelerator, comprising an acid alkyl phosphate containing solely phosphoric and alkyl radicals, wherein the alkyl radical has a carbon chain length of at least 3.

2,274,448
MOTOR DRIVEN HAND TOOL
Edward M. Hoover, Anderson, Ind., assignor to H and H Research Company, Detroit, Mich., a corporation of Michigan
Application June 24, 1940, Serial No. 342,171
1 Claim. (Cl. 74—44)

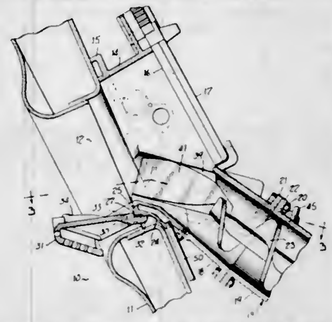


In a motor driven hand tool, wherein a casing has a partition wall therein adjacent one end defining a motor chamber and a mechanism chamber, wherein a closure cap for the outer end of the chamber has an end wall with a tubular bearing projecting outwardly thereof and a side wall inclosing the wall of the mechanism chamber, wherein a motor and shaft are disposed in the motor chamber, wherein the partition wall has a bearing therein for the motor shaft with the latter projecting into the mechanism chamber, wherein a bevel pinion is fixed on the projecting end of the motor shaft, wherein a stub shaft is reciprocably mounted in the tubular bearing carried by the cap, wherein a bevel gear in the mechanism chamber meshes with said pinion, wherein a pitman rod connects the bevel gear and stub shaft and wherein a chuck arrangement is carried by the outer end of said stub shaft, a stub shaft supporting the bevel gear extending radially through the side wall of the cap and the wall of the mechanism chamber and operative for holding the cap on said chamber.

2,274,449
CHROMONES AND PROCESS FOR PRODUCING SAME
Walter John, Gottingen, and Philipp Günther, Kassel, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 12, 1939, Serial No. 273,368. In Germany May 14, 1938
4 Claims. (Cl. 260—333)

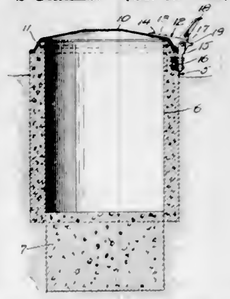
1. In a process for the production of chromanones, the steps comprising adding trimethylhydroquinone to a solution of a β,β-dialkyl-α,β-unsaturated acid chloride and a compound selected from the group consisting of phosphorus pentoxide, aluminum chloride, phosphorus oxychloride, and zinc chloride in nitrobenzene, under cooling, and heating the mixture to about 80° C. until the reaction is completed.

2,274,450
FUEL DISTRIBUTOR
Joseph J. Kress, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application July 26, 1938, Serial No. 221,303
6 Claims. (Cl. 110—105.5)



1. In combination, a firebox having a wall with an opening therein, a stoker fuel feeding conduit having its discharge end communicating with said opening, means for advancing fuel through said conduit, a pair of laterally spaced longitudinally elongated concave recesses formed in the lower portion of said conduit adjacent its discharge end, a longitudinally extending deflector member disposed in each of said recesses, said deflector members forming side walls of said conduit, said walls having substantially upright forward edges and longitudinally extending upper edges, said forward edges defining an outlet opening, said walls defining in the direction of extent of the deflectors an unobstructed path of travel whereby substantially all of the fuel is confined between said walls and passes between said forward edges, a portion of said deflector members having a surface concentric with said concave recess, and means for rotating said deflector members about their longitudinal axes to expose a portion of said concave recesses.

2,274,451
RECEPTACLE FOR GARBAGE CANS
John Vernon Kyle, Atlanta, Ga., assignor to Atlanta Concrete Pipe Company, Atlanta, Ga.
Application August 15, 1939, Serial No. 290,332
2 Claims. (Cl. 72—13)



1. In a receptacle for garbage cans, a cylindrical container forming body fitted within a cavity in the ground so that its bottom open end is disposed on the bottom of the cavity and having a fractional portion of its length projecting above the ground to provide a protruding upper portion, the top end of the container being ex-

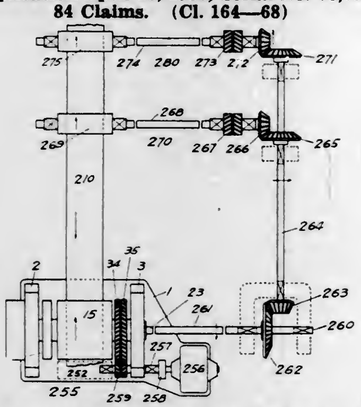
ternally reduced to form a horizontal relatively narrow shoulder merging into a frusto-conical section having a reduced taper toward the top edge, and a round cover section hingedly connected with the protruding upper portion of the container, the said cover section formed of sheet metal having its marginal portion shaped to form a frusto-conical rim adapted to fit snugly on the frusto-conical portion of the container top and having a laterally projecting flange adapted to fit snugly upon the shoulder of the container.

2,274,452

HIGH SPEED ROTARY FLYING SHEAR

Walter W. Macfarren, Los Angeles, Calif.

Application April 10, 1936, Serial No. 73,790
84 Claims. (Cl. 164—68)



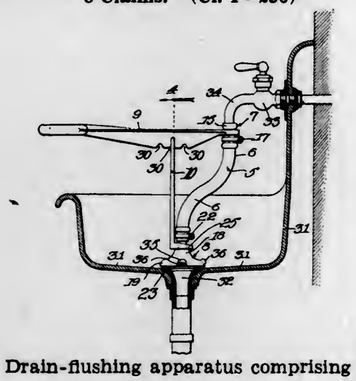
18. A rotary flying shear comprising in combination, a pair of parallel rotary knife carrying members, mounted on fixed centers and geared together, one above the other, a plurality of rigidly attached knives on the lower carrier, a plurality of oscillating knives on the upper carrier, adjustable to cut or not to cut, an air cylinder attached to each of the said adjustable knives for effecting the said adjustment, air valves for supplying the said cylinders with compressed air, and a timing device for controlling the flow of the air through the said valves in order to control the cutting sequence of the knives.

2,274,453

DRAIN FLUSHING APPARATUS

Albert J. Matter, Park Ridge, Ill.

Application September 30, 1940, Serial No. 359,169
8 Claims. (Cl. 4—256)



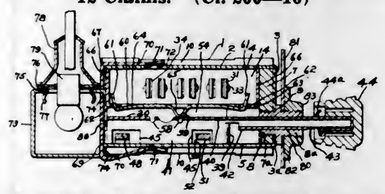
1. Drain-flushing apparatus comprising a conduit adapted at one end to be applied to a water faucet and at its other end to be applied to a position in which it covers the drain of a receptacle, said last-referred-to end comprising a substantially bell-shaped hollow rigid member and a resilient ring at its lower open end adapted to conform to the drain and means for forcing said conduit into sealing engagement with the faucet and engaging said rigid member for forcing said ring against the receptacle at its drain, said means having swivel connection with said rigid member.

2,274,454

SWITCH

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 25, 1938, Serial No. 215,795
12 Claims. (Cl. 200—16)



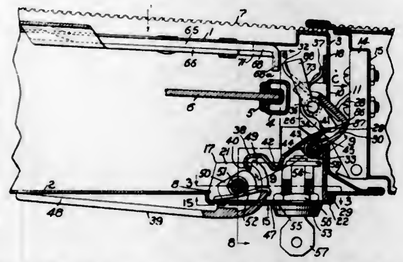
1. A switch of the class described comprising a housing having a pair of spaced side walls, a pair of contact means carried by said housing, a spring supporting member disposed within said housing having a plate portion and angularly extending portions engaging a side wall of said pair to space said plate portion therefrom, a spring means supported by said plate portion having a projecting means, and a contact carrier reciprocable in said housing between said plate portion and the other side wall of said pair, said carrier comprising a metal body member, and a contact member carried by said body member in insulating relation thereto, said body member having a depression therein receiving the projecting means of said spring means to provide a stop at one position of the reciprocable motion of said carrier.

2,274,455

LATCH MECHANISM

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 9, 1940, Serial No. 328,724
5 Claims. (Cl. 70—149)



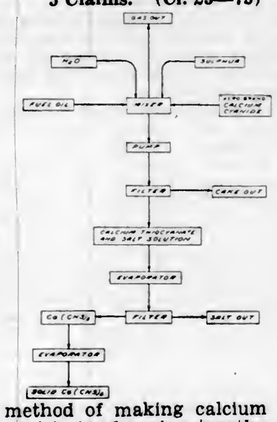
1. A latch mechanism comprising parts preassembled in the form of a unit including a latch-supporting member having a face plate applicable to a side of a door and an attaching plate extending in angular relation to the plane of said face plate, said attaching plate being applicable to an edge of said door and having openings for receiving attaching members and a bolt-receiving opening therein, a bolt member pivotally mounted on one side of said attaching plate having a keeper-engaging portion projecting through said opening of said bolt-supporting plate in normal protracted position, a link member pivotally attached to said bolt member, and a handle part pivotally mounted to said latch supporting member and extending through said face plate member, said handle part having an actuating portion movable in a predetermined arc on operation of said handle to engage said link member to move said link member for retracting said bolt, and a lock assembled with said mechanism including a rotatable dog engageable with said link member on operation of said lock to move said link member out of the line of movement of said actuating portion of said handle.

2,274,456

METHOD OF MAKING CALCIUM THIOCYANATE

John L. Osborne, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application July 21, 1939, Serial No. 285,668
5 Claims. (Cl. 23—75)



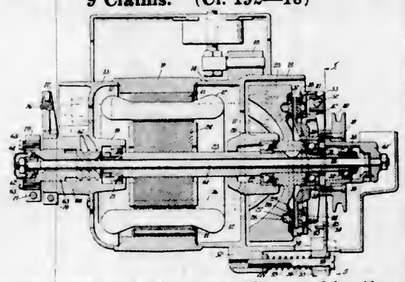
1. A method of making calcium thiocyanate which consists in slurrying together sulfur, calcium cyanide and water, raising the temperature to from 80 to 100° C.

2,274,457

CLUTCH AND BRAKE MECHANISM

Wilbur J. Peets, Elizabeth, and John Boll, Union, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 26, 1939, Serial No. 296,598
9 Claims. (Cl. 192—18)



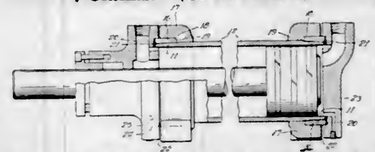
1. In a transmission unit, the combination of, a housing, a driven clutch element mounted in said housing for lateral movement relative thereto, a brake against which said clutch element is adapted to be moved, a holder for said brake, a ring having one side hinged to the housing, means for pivotally securing said holder to said ring and means for adjusting said ring about its hinge.

2,274,458

CYLINDER AND METHOD OF MAKING SAME

Victor W. Peterson and Frank J. Daley, Chicago, Ill., assignors to Hannifin Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 22, 1939, Serial No. 263,443
7 Claims. (Cl. 29—156.4)



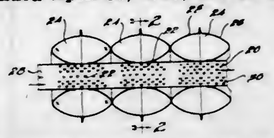
1. The method of applying a metallic ring element to a cylinder element formed of relatively thin walled metal pipe or the like which comprises forming a thread having minute irregularities on the exterior of one of said elements and internally threading the other element with threads of the same pitch, said threads being tapered relative to each other and adapted to be screwed up into binding relation when the elements are cold, heating the internally threaded element until the metal of its threaded area is semi-plastic so that it may be stretched and permanently distorted, and then, while said element is so heated and the other element is cold, screwing said elements together substantially beyond the point to which the threads could be screwed up into binding relation if both elements were cold to cause the internally threaded element to stretch and the soft heated metal thereof to distort during the screwing operation so as to conform to the threads and the minute irregularities thereof on the externally threaded element.

2,274,459

MUFFLER

Carl F. Rauen, Grosse Pointe, Mich.

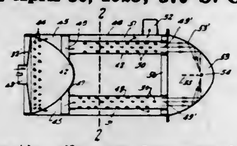
Application October 14, 1937, Serial No. 168,944
68 Claims. (Cl. 181—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a unitary device for trapping the sound energy out of a gas stream, a passageway comprising a tubular member through which the gas stream flows, an inlet to said device connected to one end of said passageway, an outlet from said device for said gas stream connected to the other end of said passageway, and means providing an enlarged dead chamber separate from and adjacent one end of said passageway and having a restricted communication therewith, said chamber having a cross sectional area greater than that of said communication and being adapted to permit the rapid expansion of sound energy within said chamber after passing through said

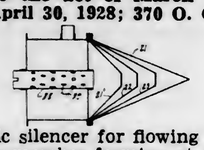
communication, said restricted communication operating to trap sound energy within said chamber, said device being constructed so as to provide a plurality of relatively small openings extending at least partially around and along the length of said passageway affording said communication between said dead chamber and said passageway.

2,274,460
MUFFLER
Carl F. Rauen, Grosse Pointe, Mich.
Application October 14, 1937, Serial No. 168,945
45 Claims. (Cl. 181—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An acoustic silencer for sound entrained gases of an internal combustion engine comprising a casing provided with an inlet port and an outlet port for said gases, a plurality of parallel tubes disposed within said casing and forming at least a part of the path traversed by said gases from said inlet to said outlet ports and means defining a sound attenuating chamber acoustically coupled to said tubes.

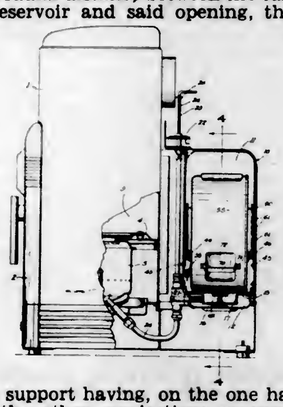
2,274,461
MUFFLER
Carl F. Rauen, Grosse Pointe, Mich.
Application October 14, 1937, Serial No. 168,946
35 Claims. (Cl. 181—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An acoustic silencer for flowing gases comprising a hollow member forming at least a part of a main sound and gas conducting channel and one or more closed sound trap chambers through which little or none of said gases flow, acoustically coupled directly to the channel and having a cross-sectional area decreasing progressively with the distance from a zone adjacent its coupling to the closed end of the sound trap chamber.

2,274,462
LIQUID DISPENSING MEANS AND STOVE INCORPORATING SAME
Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1940, Serial No. 331,850
23 Claims. (Cl. 126—93)

16. In a liquid fuel stove, the combination of a burner, a fuel basin, communicative connections between said basin and the burner, a support in juxtaposition to said basin, and an element comprising a reservoir having an opening adjacent its top and an arcuate bearing part arranged for rolling contact with said support during movement of the reservoir along the support from an upright position remote from the basin to an inverted position over the basin with said opening in discharging relation thereto, the said arcuate bearing part being of a radius less than the radial distance between the turning axis of the reservoir and said opening, the bearing

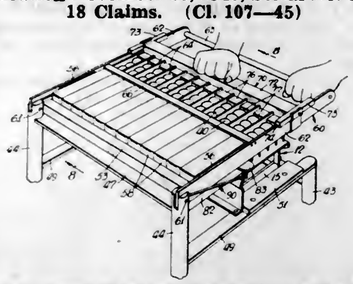


part and support having, on the one hand, voids and, on the other, projections arranged to enter said voids.

2,274,463
PREPARATION OF ALKALI CELLULOSE
Johann Joseph Stoeckly and Richard Bartunek, Teltow-Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 9, 1940, Serial No. 328,742. In Germany March 31, 1939
4 Claims. (Cl. 260—233)

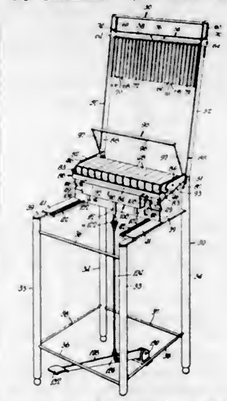
1. In the process of preparing alkali cellulose, the steps in sequence consisting of dipping a hemicellulose-containing cellulose into a dilute caustic soda lye containing approximately 6 to 11 per cent by weight of caustic soda, removing excess lye from said cellulose by pressing, shredding said cellulose and spray-injecting a second caustic soda lye containing approximately 30 to 48 per cent by weight of caustic soda to mercerize said cellulose while continuing the shredding thereof to form an alkali cellulose.

2,274,464
METHOD OF AND APPARATUS FOR MANUFACTURING CONFECTIONERY PRODUCTS
Norman M. Thomas, Medford Lakes, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application November 25, 1940, Serial No. 367,141
18 Claims. (Cl. 107—45)



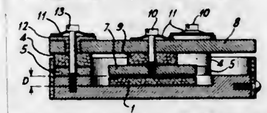
1. The method of manufacturing and packaging a plurality of frozen confectionery products simultaneously which comprises filling a plurality of spaced rows of molds with material to be frozen, positioning a portable carrier over said spaced molds having depending spurs adapted to extend one each into said molds, refrigerating the material in said molds to congeal the same into confectionery units bonded to said spurs, defrosting the molds to release the confectionery units therefrom, positioning the spur plate before a series of open boxes aligned one to each row of confectionery units, withdrawing the spurs from their respective confectionery units, and moving all the confectionery units of a row simultaneously into its aligned box.

2,274,465
APPARATUS FOR MANUFACTURING CONFECTIONERY PRODUCTS
Norman M. Thomas, Medford Lakes, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application July 10, 1941, Serial No. 401,722
10 Claims. (Cl. 107—45)



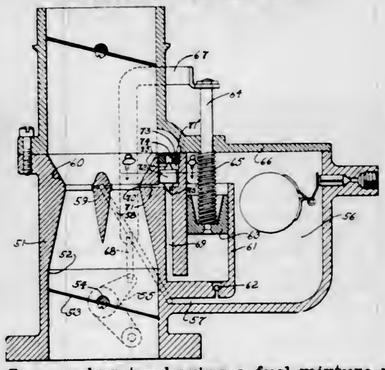
1. Apparatus for harvesting and packaging a plurality of frozen confectionery products which comprises means for supporting an open box, means for receiving a row of confectionery products in alignment with said box, means for causing relative movement between said box supporting means and said confectionery receiving means whereby the row of confectionery products on said receiving means is moved within said box, and means for stripping the confectionery products from said receiving means for depositing them in said box.

2,274,466
TEMPERATURE COMPENSATED CRYSTAL HOLDER
John Boyd Atwood, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1939, Serial No. 305,912
6 Claims. (Cl. 171—327)



1. A temperature compensated crystal holder comprising two electrodes, a piezo-electric crystal element interposed between said electrodes, one of said electrodes having a depressed space equal in depth to the thickness of the other electrode, temperature compensating means including a plurality of spacing members to provide an air gap between said crystal and at least one electrode, one of said spacing members made from the same piece of crystal as said crystal element and having the same thickness, a second quartz spacing member placed to abut said first mentioned spacing member.

2,274,467
CARBURETOR
Frederick O. Ball, deceased, late of Detroit, Mich., by Cornelia Mueller Ball, executrix, Birmingham, Mich., and Thomas M. Ball, Detroit, Mich.
Original application March 15, 1937, Serial No. 130,841. Divided and this application November 28, 1939, Serial No. 306,560
2 Claims. (Cl. 261—34)

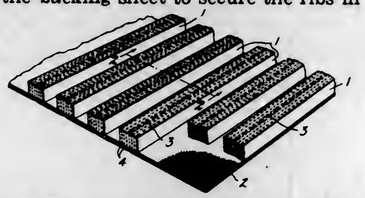


1. In a carburetor having a fuel mixture passage; a pick-up pump system including a fuel chamber, a passageway leading from said fuel chamber having an outlet branch communicating with the latter at a region thereof of relatively low pressure and having an air vent branch leading from a region of higher pressure, a fuel displacing element in said fuel chamber, and a valve member in said last mentioned branch passage having a body portion provided with a surface exposed to atmospheric pressure at said air vent and an opposite surface and having a valve element for obstructing the flow of fuel to said outlet branch when said fuel displacing element is inoperative, said valve element extending in advance of said last mentioned surface for so positioning the latter as to subject it to the carburetor suction at said outlet branch when said valve element is in closed position for normally urging said valve element to closed position, and a second valve element on said valve body for obstructing the discharge of fuel from said air vent branch when said fuel displacing member is in operation.

2,274,468
FLOOR COVERING
Harry W. Bell, Akron, Ohio, assignor to Durable Mat Company, Seattle, Wash., a corporation of Washington
Application October 1, 1937, Serial No. 166,898
1 Claim. (Cl. 154—49)

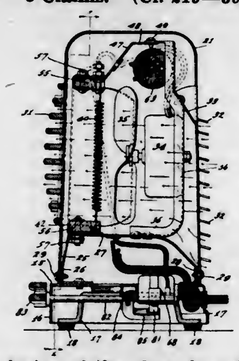
A floor covering comprising a flexible sheet of woven fabric constituting a backing, a plurality of elongated relatively thick rib members disposed in spaced side by side relation on the backing sheet and each having an exposed traffic bearing surface and a generally flat bottom surface in intimate engagement with the backing sheet, each of said rib members including a rubber-like body and a multiplicity of relatively short non-metallic cords disposed transversely

relative to the rib members and embedded in said rubber-like body, said cords each having one end thereof terminating at said flat bottom surface and abutting against the woven backing to thereby stiffen and reinforce the rib members and increase the strength of the rib members for sustaining heavy concentrated loads, and a continuous line of stitching extending along the central portion of the traffic surface of each rib member and completely through the rib member and the backing sheet to secure the ribs in place



on such sheet and to draw said cord ends firmly against the backing sheet, said stitching depressing the central portion of each rib member to provide a longitudinal slip preventing groove therein and to dispose the exposed parts of the stitching below the plane of the traffic surface, said backing sheet being exposed to the atmosphere on both sides thereof along the portions thereof disposed between the rib members whereby such backing sheet portions are readily flexed in rolling the covering into a compact bundle for shipping.

2,274,469
ROOM HEATER
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application August 2, 1940, Serial No. 349,609
5 Claims. (Cl. 219—39)



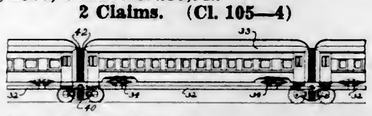
1. In a device of the class described, a casing, said casing comprising a base portion and an upper portion, said upper portion having two opposite side walls formed as sheet-metal stampings provided with inwardly directed flanges at their front, rear, and top edges and an intermediate portion formed as a generally U-shaped strip of sheet metal, the side edges of said intermediate portion overlapping and being secured to said side-wall flanges, said intermediate casing portion being provided in its rear and front walls with air-inlet and air-outlet openings respectively, a fan and fan-driving motor supported from said base within the upper-casing portion, said fan being operable to cause air-flow through such upper casing-portion, and an electrical resistance heating element also supported from said base within the upper casing portion and disposed in the path of air moved by said fan.

2,274,470
FOUNTAIN PEN
Farnham F. Boyle and William H. Lindemon, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application February 26, 1941, Serial No. 380,612
11 Claims. (Cl. 120—42)



1. In a fountain pen having connecting means at the writing point end thereof, an outer metal cap having an open and a closed end, a supplemental metal cap within said outer metal cap, said supplemental metal cap having an open end portion of an outside diameter to engage in a fixed relation the bore of said outer metal cap and a closed end portion of reduced diameter having its entire external peripheral surface spaced from the inside walls of the bore of said outer metal cap, the juncture of said open and closed end portions forming a shoulder against which the end of the fountain pen rests to seal from the atmosphere the writing point and ink feeding means of the fountain pen extended within the closed end portion of the supplemental cap, co-operating connecting means on the open end portion of said supplemental cap for releasably holding said cap on the fountain pen, and a clip having attaching means extending through said outer cap into the space between said outer and said inner caps.

2,274,471
RAILWAY VEHICLE
Carl Breer, Grosse Pointe Park, Mich., assignor, by mesne assignments, to Railroad Rolling Stock Patents Corporation, a corporation of Delaware
Original application May 27, 1937, Serial No. 145,007, now Patent No. 2,208,627, dated July 23, 1940. Divided and this application October 20, 1938, Serial No. 235,942
2 Claims. (Cl. 105—4)



1. An articulated train comprising a plurality of vehicles each including a car body adapted to carry a load to be transported, a relatively rigid chassis frame extending substantially the length of the car body, springs interposed between said car body and frame adjacent each end thereof for resiliently supporting the body on the frame at two spaced centers of suspension, said springs constituting the sole support of said car body and being adapted to permit movement of said car body with respect to said frame in all directions, said centers of suspension being so disposed with respect to the distribution of weight of said body that each substantially coincides with a vertical transverse plane passing through a center of percussion of said body with respect to an axis of rotation disposed in the vertical transverse plane of the other center of suspension, and wheel trucks disposed at one end of each chassis frame and adapted to support it, said wheel truck being adapted to support an adjacent end of the chassis frame of the next adjacent vehicle.

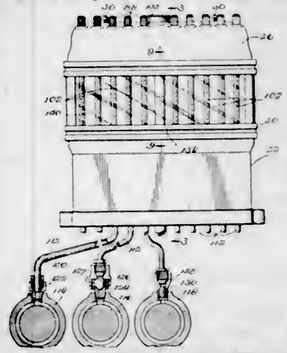
2,274,472
RAILWAY CAR END CONSTRUCTION
Henry D. Breen and Arthur F. O'Connor, Chicago, Ill., assignors to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1940, Serial No. 318,432
6 Claims. (Cl. 105—410)



1. An end wall for a railway car comprising a plate provided with a plurality of corrugations, reinforcing means for said wall comprising a plurality of spaced apart plate members in the valley of one of said corrugations, a plurality of spaced apart plate members in the valley next adjacent on the opposite side of said wall, the spaced apart plate members on one side of said wall being in planar alignment with the spaced apart members on the opposite side of said wall, a plate member connecting the spaced apart members in one of the valleys adjacent their outer margins, said spaced apart members extending transversely of said corrugations with their planes perpendicular to the plane of said wall, the margins of said spaced apart members adjacent said wall being in abutting engagement with and welded to the walls of said corrugations.

2,274,473
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 11, 1937, Serial No. 119,913
12 Claims. (Cl. 184—7)

2. In a lubricator, the combination of a trough, means to maintain oil at a constant level in said trough, a plurality of capillary tubes projecting into said trough below the level of the oil therein, means for individually adjusting the positions of said capillary tubes, a plurality of receivers one for each of said capillary tubes, a glass tube connected to the bottom of each of said receivers to convey the oil therefrom, the bore



through said tubes being of sufficiently small diameter relative to the amount of oil conveyed that said oil will flow through said glass tube in columns of oil separated by air.

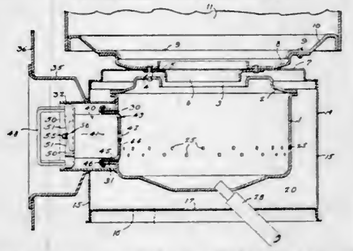
2,274,474
ALKOXY ALKYLOL CYANAMIDE COMPOUND
Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 10, 1939, Serial No. 289,400
4 Claims. (Cl. 260—551)

1. As a new compound, an alkyoxyalkylol cyanamide of the formula

$$N\equiv C-\underset{\displaystyle H}{\underset{|}{N}}-(R)_x-R'OH$$

wherein R is a member of the group consisting of ethoxy, alkyl substituted ethoxy and hydroxyalkyl substituted ethoxy radicals, x is a whole number, and R′ is a member of the group consisting of ethylene, alkyl substituted ethylene, and hydroxyalkyl substituted ethylene radicals.

2,274,475
CLOSURE FOR THE HANDHOLE OF BURNER BOWLS
Theodore B. Focke and Holden B. Townley, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1939, Serial No. 251,393
1 Claim. (Cl. 220—40)



In combination with a wall having an opening, a sleeve connected to the wall about said opening in outwardly spaced substantially concentric relation thereto, a flange surrounding the opening in inwardly spaced relation to the sleeve, the

sleeve extending a material distance beyond the outer end of the flange, a closure comprising a cylindrical plug-like body that is closed at its inner end and is adapted to be received by the sleeve, the plug having a bayonet joint connection with the sleeve, a gasket carrier in the form of a cup wherein the inner end of the plug-like body is loosely received, the perimeter of the carrier being turned outwardly and back over itself to provide an annular inwardly facing channel, a gasket within said channel for engagement with the aforesaid flange, and a pivot member extending through the end walls of the body and carrier axially thereof and rotatably connecting them together in spaced relation to each other.

2,274,476
INSECTICIDE AND MOTH LARVAE REPELLENT

Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 23, 1940, Serial No. 353,917
3 Claims. (Cl. 167—30)

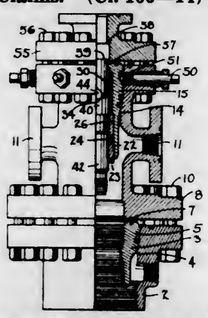
1. An insecticide comprising symmetrical dicyclohexyl guanidine.

3. A moth larvae repellent comprising from .1 to 10% symmetrical dicyclohexyl guanidine dissolved in naphtha.

2,274,477
TUBING HANGER

James H. Howard and Joseph H. McEvoy, Houston, Tex., assignors to McEvoy Company, Houston, Tex.

Application August 24, 1939, Serial No. 291,660
8 Claims. (Cl. 166—14)



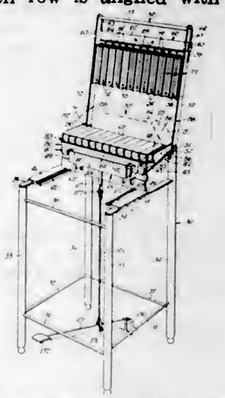
1. A well head assembly for washing and completing wells, including a casing head, a tubing hanger assembly therein including a hanger sleeve, a packing therein, a support coupling resting thereon, a string of tubing, including a support nipple thereon, and interfitting means on said coupling and nipple including inclined lugs and seats therefor, a guide member for said lugs projecting above said hanger to turn the tubing so that the tubing may be raised and lowered through the coupling in washing and completing the well, and then said means interengaged to hang such tubing.

2,274,478
APPARATUS FOR MANUFACTURING FROZEN CONFECTIONS

Thelma Evelyn Mary Huth, Los Angeles, Calif., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware

Application July 10, 1941, Serial No. 401,772
3 Claims. (Cl. 107—45)

1. Apparatus for harvesting and packaging a plurality of frozen confectionery units which comprises means for supporting a plurality of individual boxes in a single plane, means for receiving a portable carrier in juxtaposition to said aligned boxes having a plurality of spaced rows of spaced confectionery units bonded thereto whereby each row is aligned with one of said

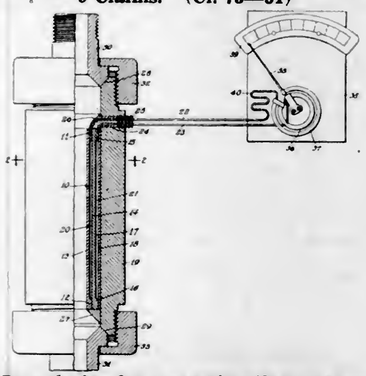


boxes, means for actuating the carrier to release the confectionery units therefrom, means for guiding each row of released units longitudinally into said boxes, means for preventing the units of each row from overriding one another while being moved into said boxes, and means for moving simultaneously the confectionery units of each row from said carrier into its aligned box.

2,274,479
DEVICE FOR MEASURING FLUID PRESSURES

John F. Inderdohnen, Milwaukee, Wis., and Alphonso Noble, Naugatuck, Conn., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application July 22, 1939, Serial No. 285,852
9 Claims. (Cl. 73—31)

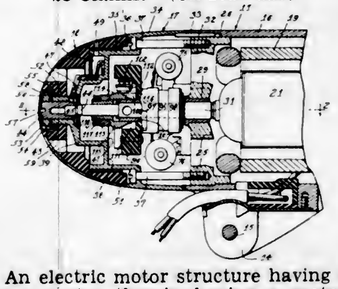


6. In a device for measuring the pressure of a flowing fluid irrespective of temperature, the combination of a conduit of circular cross-sectional contour adapted for the internal passage of said fluid and having a wall portion deformable under pressure of said fluid, a first rigid tubular element surrounding said conduit and spaced therefrom by spacing elements to form a first sealed chamber coaxial therewith, a second rigid tubular element surrounding said first tubular element and spaced therefrom by spacing elements to form a second sealed chamber coaxial therewith, the walls of said conduit and said first tubular element being thermally conducting, and a differential pressure gauge having pressure responsive elements communicating respectively with said chambers.

2,274,480
MOTOR FOR FOOD MIXERS AND THE LIKE

Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application July 1, 1940, Serial No. 343,327
28 Claims. (Cl. 171—229)

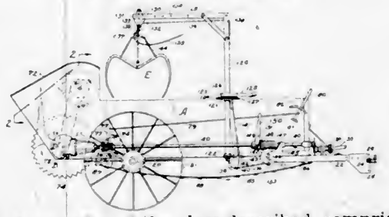


26. An electric motor structure having a main casing, a motor therein having a motor shaft projecting rearwardly beyond said main casing, governor mechanism for controlling the speed of the motor including a governor unit mounted on said projecting shaft having make-and-break mechanism and collector rings spaced axially of said shaft, a brush holder unit for each collector ring, said brush holder units being individually removably mounted on the rear end of the main casing at opposite sides of the shaft, a rear casing unit forming a protective enclosure about said governor unit and said brush holder units, said rear casing unit providing a rearward extension of the main casing and having a reduced rear end portion, a hollow cone-shaped control member nested over said rear end portion and mounted for rotative movement thereon, said control member being a part of the governor mechanism and having indicia on its outer surface coacting with indicia on the casing extension of the casing unit showing operating functions intended to be performed by the motor at different speeds, and said control member coacting with the governor mechanism to co-relate each operating function with the speed setting of said member.

2,274,481
MANURE SPREADER

Howard M. Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada

Application June 24, 1938, Serial No. 215,595
3 Claims. (Cl. 275—5)

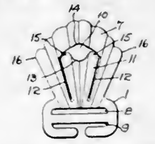


1. A spreader of the class described, comprising in combination, a box having two carrying wheels one each mounted on opposite sides thereof, said box having a rigid forwardly extending hitch, comprising side bars having their rear ends secured to the forward sides of said box and converging forwardly, the forward ends being secured together and having means adapted to be attached to the draw bar of a tractor, a transverse bar forming a brace between said side bars and positioned a short distance ahead of the front end of said box, a longitudinally extending primary countershaft rotatably mounted on said transverse bar and its front end adapted to be operatively connected to a power take-off on the tractor, a secondary drive shaft rotatably mounted on one side of said box and having a sprocket secured to its forward end, a sprocket secured to the rear end of said primary countershaft, a chain forming an operating connection between said sprockets, a spreading cylinder having a shaft transversely and rotatably mounted in the rear end of said box, a bevel gear secured to one end of the shaft of said cylinder, a relatively short countershaft rotatably mounted on said box and having secured thereto a bevel pinion adapted to mesh with said bevel gear, said last countershaft being in axial alignment with said secondary drive shaft, an overload slip joint forming an operating connection between adjacent ends of said last countershaft and said secondary drive shaft, and manually operated means adapted to disengage said slip joint.

2,274,482
FASTENER DEVICE

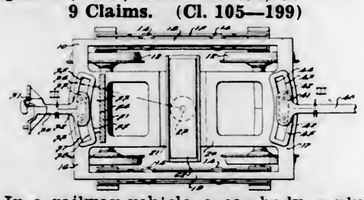
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 9, 1940, Serial No. 328,727
1 Claim. (Cl. 24—73)



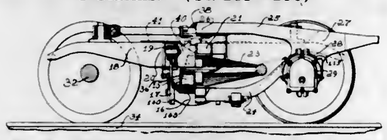
A fastening device for cooperation with a stud member having a circular head and reduced shank, comprising a plate member of thin metal formed with a U-shaped slot providing a relatively stiff body portion surrounding said slot, and a yielding tongue between the sides of said slot, said tongue being integrally joined to the body portion between the ends of the sides of said slot, and having a convexed free edge along the bight of said slot, the central portion of the free edge of the tongue being formed with a substantially semi-circular recess forming with the opposed edge of the bight of said slot a stud-receiving opening of substantially the diameter of the stud shank of materially less diameter than the stud head, said tongue being adapted to engage the shank of the stud and hold it against the body portion preventing shifting axially and transversely of the bight of the slot when in locked position, said tongue being yieldable transversely relative to the body portion to permit insertion and removal of the stud from the stud-receiving opening, said body portion being extended substantially beyond the bight of the slot and provided with at least one transverse strap-receiving opening, said extended strap-receiving portion also constituting a handle portion spaced from the line where the tongue is joined to the body portion a distance greater than the free edge of the tongue engaging the stud.

2,274,483
RAILWAY VEHICLE
Robert N. Janeway, Detroit, Mich., assignor, by mesne assignments, to Railroad Rolling Stock Patents Corporation, a corporation of Delaware
Original application May 28, 1937, Serial No. 145,266, now Patent No. 2,174,324, dated September 26, 1939. Divided and this application August 23, 1939, Serial No. 291,572
9 Claims. (Cl. 105—199)



1. In a railway vehicle, a car body, a plurality of spaced trucks adapted to support said car body, car couplings secured to said trucks, means interconnecting said trucks adapted to transmit tension forces through said vehicle independently of said car body, and means operatively associated with said respective trucks and said car body adapted to transmit substantially all compression forces between said couplings through said car body.

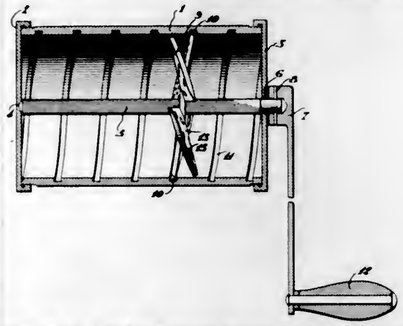
2,274,484
RAILWAY VEHICLE
Robert N. Janeway, Detroit, Mich., assignor, by mesne assignments, to Railroad Rolling Stock Patents Corporation, a corporation of Delaware
Application October 1, 1938, Serial No. 232,756
4 Claims. (Cl. 105—190)



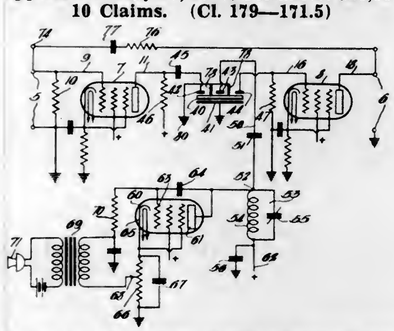
1. In a railway car truck, a pair of laterally spaced longitudinally extending spaced sheet metal side frames having wheel axles rotatably mounted thereon adjacent the ends thereof, each side member comprising a top and a bottom member spaced throughout the major portion of their lengths and secured together adjacent the ends thereof, said top and bottom members each comprising a closed hollow member in cross-section, a centrally arranged vertically disposed longitudinally extending web member interconnecting said top and bottom members and extending lengthwise thereof continuously between said axles, said web member being provided with a centrally disposed opening for the reception of a relatively movable transversely extending supporting member, and a pair of longitudinally extending leaf spring members resting centrally on said lower member, one on each side of said web member, said leaf spring members being adapted to resiliently support said supporting member.

2,274,485
COLOR MIXING DEVICE
Richard H. Janssen, Columbus, Ohio
Application July 18, 1940, Serial No. 346,189
2 Claims. (Cl. 259—99)

1. A device of the class described comprising a closed cylindrical chamber, a plow member extending generally transversely across the chamber, means for rotating the plow member and means for advancing the plow member from one end of the chamber to the other as it is rotated, the said plow member comprising a piece having a circular contour and being of such diameter that its periphery is spaced only slightly from the internal periphery of the closed cylindrical chamber, with slots extending substantially radially from the periphery of the plow member toward its center, the said slots thereby dividing the member into a plurality of blade segments, each blade segment being on a pitch different from that of said slots and each of the blades containing apertures therein whereby material may pass both through the slots and through the apertures in the blades delineated by the slots, the pitch of the blades of the plow being such that the material passing intermediate the blades is brought into admixing contact with the material passing through the slots as the plow member is rotated.

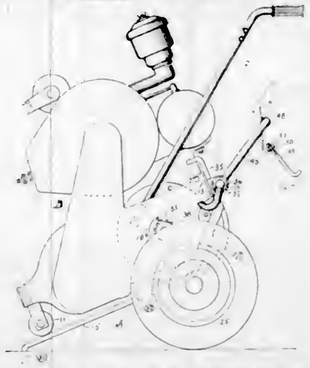


2,274,486
PIEZOELECTRIC RESONATOR CIRCUIT
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1940, Serial No. 335,963
10 Claims. (Cl. 179—171.5)



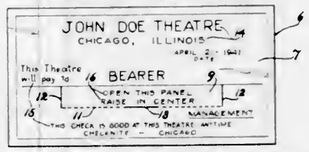
1. In a high frequency signal conveying system, a piezo-electric crystal-controlled oscillation-generating circuit, oscillation control means including a piezo-electric crystal and a pair of signal-conveying electrodes therefor, circuit means connected with said electrodes for conveying signals through said crystal as a circuit coupling element, a third electrode for said crystal in spaced relation to said first-named electrodes, an impedance in circuit with said third electrode, and means for adjusting the resistive component of said impedance to a value of the order of the value of the resistive component of the crystal impedance.

2,274,487
TRANSPORT TRUCK FOR LAWN MOWERS
William F. Krenzke, Racine, Wis., assignor to Jacobsen Manufacturing Company, Racine, Wis., a company of Wisconsin
Application September 26, 1940, Serial No. 358,396
8 Claims. (Cl. 180—16)



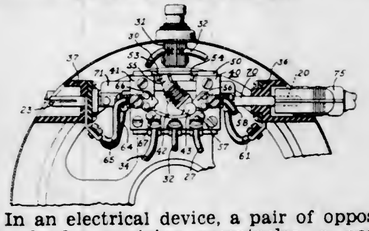
1. A device of the class described, comprising a frame having carrying wheels near its rear end, the front end adapted to rest on the ground, the side members of the frame adapted to receive the end of the driving drum of a power lawn mower, the front wheels of the mower resting on the front end of said frame, the rear end of said side members extending upwardly forming positioning stops for the mower, a transverse shaft rotatably mounted on said stops and having secured to the ends thereof forwardly and upwardly extending hooks adapted to engage said mower, said shaft having a rearwardly extending arm with a pedal transversely hingedly mounted on its free end, a forwardly extending hooked shaft adjustably secured to the lower part of said pedal, anchoring means on said frame near the rear end thereof, whereby when said pedal is pressed downwardly, said first hooks will be caused to engage said mower and raise the rear end thereof, and whereby said hooked shaft may be caused to engage said anchor and lock the mower in its raised position, and whereby pressure on the handles of said mower will raise the forward end of the transport truck from the ground so the truck may be moved over the ground as a transport for the mower.

2,274,488
SALES PROMOTIONAL CHECK
Michael W. Kutscher, Chicago, Ill.
Application April 26, 1941, Serial No. 390,593
1 Claim. (Cl. 283—6)



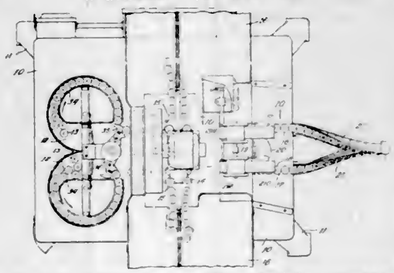
A sales promotional check consisting of a two ply card-like member of sheet material composed of a front sheet and a rear sheet, the front sheet containing a substantially rectangular portion having a weakened line extending longitudinally of the member to form one side of said portion, a pair of slits at the two ends of said line extending transversely therefrom, the other side of said portion opposite said weakened line and between the free ends of said pair of slits remaining whole to serve as a bending line, thereby providing a readily openable panel, the central part of said weakened line being fully cut, to facilitate engaging a finger nail therein for readily opening the panel, the panel bearing data directed toward opening it, and the rear sheet bearing on its inner side, normally concealed by the panel, certain data stating the cash prize to be awarded to the bearer, and also having provided beyond and around said data suitable means whereby the two sheets are secured together.

2,274,489
ELECTRICAL APPARATUS
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 1, 1940, Serial No. 359,235
5 Claims. (Cl. 171—97)



5. In an electrical device, a pair of oppositely disposed plug-receiving receptacles, a pair of electric conductors connected to each receptacle, switch structure disposed between said receptacles, said structure including an electric switch in each of said conductors having movable contact making and breaking means, and movable structure extendable into either of said receptacles and adapted, by the insertion of a plug into that receptacle in which said movable structure is extending, to be moved so as to extend into the other receptacle, said contact-making and breaking means being operatively connected to said movable structure so as to close the switches in the conductor connected to the receptacle into which the plug is inserted and to open the other switches.

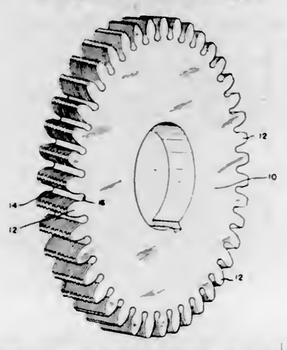
2,274,490
DRY CELL MACHINE
Allison M. MacFarland, Chicago, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application December 24, 1938, Serial No. 247,726
2 Claims. (Cl. 219—4)



2. In a machine for welding articles, means for advancing said articles in succession in two rows and maintaining said articles momentarily stationary at stations substantially opposite one

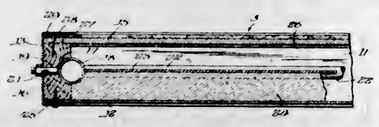
another, a welding electrode between said substantially opposite stations, means for reciprocating said electrode between said opposite stations and alternately into pressure engagement with the articles located at said opposite stations respectively.

2,274,491
GEAR FINISHING TOOL
Max B. Mentley, Detroit, Mich., assignor to National Broach and Machine Company, Detroit, Mich., a corporation of Michigan
Application April 8, 1940, Serial No. 328,566
5 Claims. (Cl. 29—103)



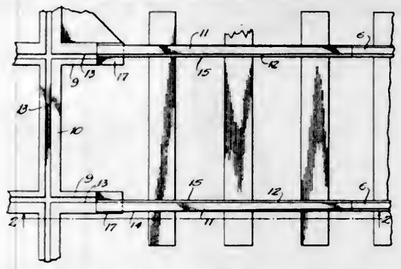
1. A gear cutter in the form of a gear conjugate at crossed axes to a gear to be finished, said cutter having grooves extending generally up and down the faces of its teeth, and lands intermediate said grooves, said lands having cutting corners, the surfaces intermediate said corners being slightly pitted as by shot blasting.

2,274,492
HEATING APPARATUS
Thomas B. Modine, St. Petersburg, Fla.
Application September 2, 1938, Serial No. 228,091
2 Claims. (Cl. 126—271)



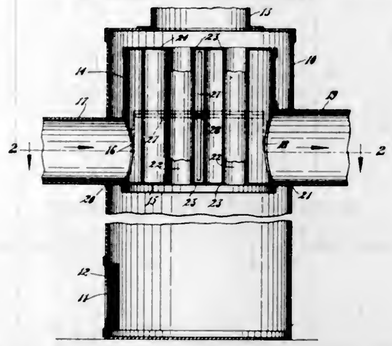
1. In a heating device of the kind described, a substantially flat heat transfer element, comprising a pair of substantially parallel inlet and outlet pipes and a plurality of smaller cross-tubes connecting said pipes for the passage of the fluid to be heated from the inlet pipe to the outlet pipe, a plurality of fins extending between and rigidly secured to said cross-tubes, said fins being substantially parallel with the common axial plane of said pipes, a container enclosing said element, consisting of a bottom, a glass top, and side and end members, insulating strips extending along the interior of said side members, each strip having a channel therein adapted to receive one of said pipes, studs extending from said pipes and passing through the respective strips and side members, the latter and said end members having inwardly extending flanges overlying said top and bottom, a felt strip positioned between said glass top and the adjacent flanges, and a layer of heat-insulating material positioned between said heat transfer element and said bottom.

2,274,493
RAIL CONNECTION
Benjamin Cullen Monroe, Tuscola, Ill.
Application April 27, 1940, Serial No. 331,923
2 Claims. (Cl. 238—167)



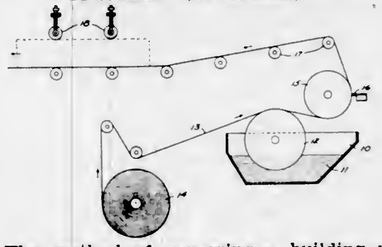
1. The combination of a standard railroad rail, a railroad crossing composed of intersecting pairs of crossing members of greater width and depth than the standard rail and having flange grooves in their tops and extended beyond their points of intersection forming projections, and an adaptable rail of the same height throughout its length and tapered in width from end to end with the graduated thickness added on the outside of the ball, the gauge sides of the adaptable rail aligning with the flange groove of the crossing member, the larger end of the adaptable rail being seated on the associated projection in the plane of the bottom of the standard rail with the top of the adaptable rail flush with the top of the crossing member and the top of the standard rail and the smaller end of the adaptable rail being of the same height and width as the standard rail.

2,274,494
AIR HEATING APPARATUS
John F. Moser, Dalton, Ohio
Application April 6, 1939, Serial No. 266,389
3 Claims. (Cl. 257—169)



2. A heating unit comprising an outer casing having a cold air inlet in its lower portion and a hot air outlet in its upper portion, an inner casing within and spaced from the walls of the outer casing, a plurality of open ended vertical tubes located through the inner casing and communicating with the space between the casings, a hot gas inlet pipe extending through the outer casing and communicating with the inner casing adjacent to the bottom thereof, and an outlet pipe larger than the inlet pipe communicating with the opposite side of the inner casing adjacent to the bottom thereof and extending through the outer casing, said tubes being so located that the central portion of the inner casing is unobstructed between said inlet and outlet pipes.

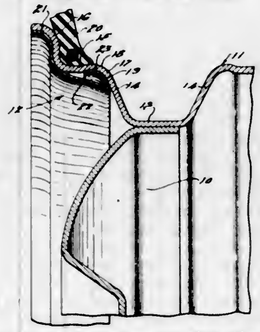
2,274,495
PROCESS OF THE MANUFACTURE OF INSULATING UNITS
Carl G. Muench, New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application January 10, 1938, Serial No. 184,229
14 Claims. (Cl. 154—28)



1. The method of preparing a building unit comprising a wrapper of paper and a rigid unit mass of structural insulation material which comprises coating a sheet of paper with a melted bituminous substance; applying the paper as a wrapper about the rigid unit mass of structural insulating material; and shaping the completely wrapped unit in a series of steps causing the faces and edges of the wrapped unit to be smoothly affixed.

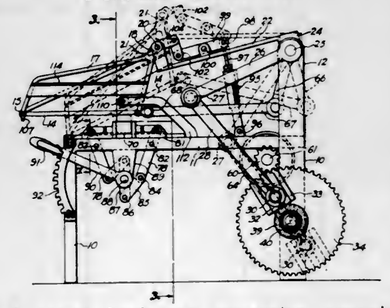
8. Apparatus for forming a building unit comprising means for coating one surface of a sheet of paper; means for conveying the coated paper to a position where it is applied as a complete wrapper about a unit mass of insulating material; means for simultaneously heating the entire surface of the opposite faces of the completely wrapped unit to soften the coating on the paper; and means for shaping the completely wrapped unit under applied pressure before the softened substance solidifies.

2,274,496
WHEEL RIM DECORATIVE RING
William A. Mulhern, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 19, 1940, Serial No. 341,255
8 Claims. (Cl. 41—10)



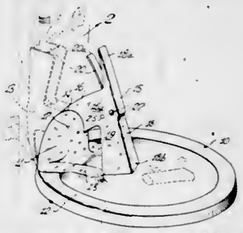
5. An ornamental sheet metal tire rim band comprising an outer body portion conforming in cross section to the portion of a tire rim with which it registers and adapted for extended surface contact therewith, an inner body portion so constructed and arranged as to extend in diverging relationship with respect to the portion of said rim with which it registers, and an integral reversely bent resilient marginal flange on said inner body portion extending over a part of the latter and having a plurality of circumferentially arranged tongues of arcuate cross section each provided with an arcuate side surface portion adapted for resiliently urged extended surface contact with a correspondingly shaped portion of said rim and having an edge on its free extremity normally held by said arcuate side surface portion from contacting engagement with said rim.

2,274,497
POWER HACK SAW
William P. Naegele, Lucas, and Fred W. Steenbock, Sylvan Grove, Kans.
Application May 17, 1939, Serial No. 274,094
4 Claims. (Cl. 29—73)



1. A power hack saw apparatus comprising work-holding means, a reciprocating saw carriage provided with a hack saw blade, power-actuated means connected with said saw carriage for imparting reciprocating sawing movements to said blade, a roller mounted on a fixed axis in the path of lowering movement of the saw carriage, and a horizontal flange projecting laterally from said saw carriage in position for engagement by said roller only at a given level of said lowering movement of the carriage and thereby limiting said lowering movement while permitting the longitudinal reciprocating movements of the blade.

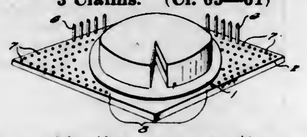
2,274,498
ASH TRAY SNUFFER
Angelo Napolillo, Chicago, Ill.
Application April 22, 1940, Serial No. 330,861
6 Claims. (Cl. 131—237)



1. In combination with an ashtray, a snuffer including coacting clamping jaws and means mounting the same for rocking movement as a unit on said ashtray, spring means normally urging said jaws in clamping condition, said unit being rockable to press one of said jaws against

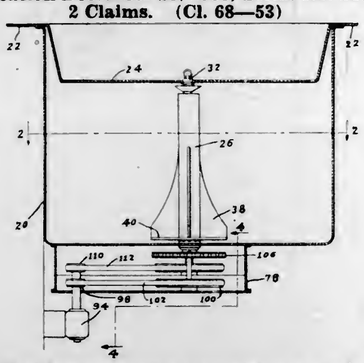
said tray to spread the jaws to receive a cigarette butt, said unit being rockable in an opposite direction back into a position resting in said ashtray.

2,274,499
BIRTHDAY CAKE AND CANDLE SUPPORT
Mary Lixey Nicol, Detroit, Mich.
Application November 28, 1939, Serial No. 306,585
3 Claims. (Cl. 65—61)



1. In combination, a supporting member, a cake plate rotatably mounted on and above said member, said member projecting outwardly beyond the periphery of the plate and formed with a plurality of sockets to which candles are adapted to be fixed about and outwardly of the periphery of the plate.

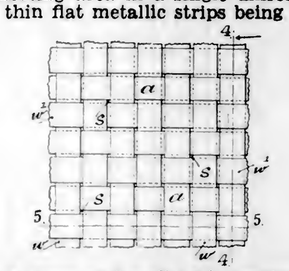
2,274,500
WASHING APPARATUS
Francis John Osuch, Detroit, Mich., assignor to Robot Products Corporation, Detroit, Mich., a corporation of Michigan
Application December 23, 1938, Serial No. 247,343
2 Claims. (Cl. 68—53)



1. Washing apparatus comprising a container, movable agitating mechanism in said container for moving washing fluid from the central portion of the container toward the periphery thereof, movable pumping means for moving washing fluid upwardly at the central portion of the container, means for causing said fluid to be moved laterally toward the periphery of the container as it is discharged by said pumping means and means for moving said agitating and pumping means at different rotational speeds.

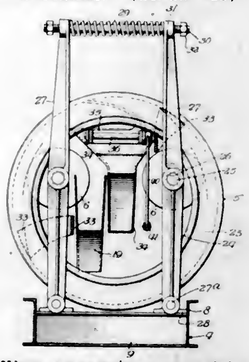
2,274,501
MANUFACTURE OF PROJECTION SCREENS
Henry Hilton Parrett, Disley, England, assignor to C. H. Johnson and Sons Limited, Manchester, England, a British company
Application February 15, 1940, Serial No. 319,017
In Great Britain February 16, 1939
3 Claims. (Cl. 88—24)

1. A fire-proof screen woven from lengths of very thin flat metallic strips of uniform width and relatively of considerable width compared with the thickness, and used both as warp and weft, said very thin flat metallic strips being tightly woven together and slightly knuckled in the weaving act to ensure sufficient rigidity in the screen and due to the thinness of the metallic strips producing a succession of perfectly flat areas of very appreciable size compared with the thickness of the flat metallic strips and producing a reflecting area in a single uniform plane, the very thin flat metallic strips being so woven



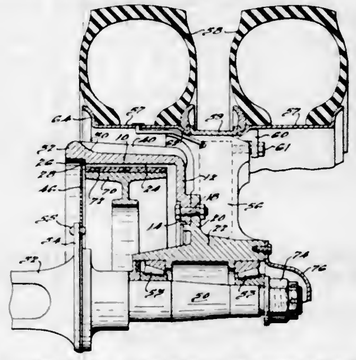
together as warp and weft as to produce by the relative determinate spacing of warp and weft in the act of weaving, definite and adequate rectangular apertures at regular intervals in the length and breadth of the projection screen for the passage of sound, the said screen having a selvedge to bind the tightly woven warp and weft strips together, the surface of the screen being finished off to ensure good reflection.

2,274,502
MULLING APPARATUS
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application February 13, 1939, Serial No. 256,096
2 Claims. (Cl. 83—45)



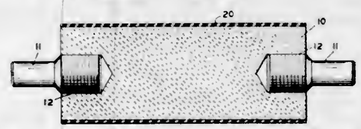
1. A mulling apparatus comprising in combination a frame structure, a receptacle for the material to be mulled supported by a shaft and bearing to rotate on a fixed substantially horizontal axis and embodying an annular side wall concentrically arranged with respect to said axis and having one end thereof open and its other end closed and connected to said shaft, means for rotating the receptacle, a pair of oppositely disposed mulling elements positioned adjacent to the inner face of the side wall and for the most part above the axis of rotation of the receptacle and having frame-structure-carried supporting means therefor whereby they are permitted to move toward and away from said side wall, and pressure means for urging the elements outwards against said side wall so as to cause them to squeeze the material against the side wall for mulling purposes during rotation of the receptacle and also assist in supporting the receptacle.

2,274,503
BRAKE DRUM
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application February 3, 1941, Serial No. 377,178
1 Claim. (Cl. 188—218)



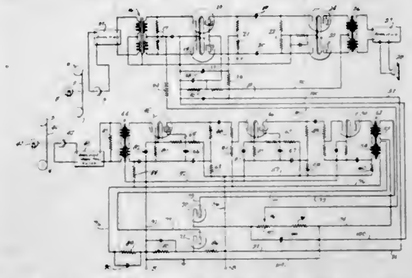
A brake drum comprising a generally circular rim portion and a radially inwardly directed web portion fixed to one end thereof, a cylindrical braking surface on the inner face of said rim portion, the outer surface of said rim portion being frusto-conical over a portion of its length with the smaller end thereof adjacent said web and merging at its axially outer end into a gradually radially outwardly curving surface, the open end of said rim portion being formed to provide a relatively thick bulbous lip mainly disposed axially outwardly of said braking surface and merging into said outwardly curved surface in a substantially smooth curve, the radially inner surface of said lip being radially outwardly offset from said braking surface and ribs formed integrally with and projecting outwardly from said main body portion forming between adjacent pairs thereof substantially unobstructed channels extending from substantially one end of said rim to the other end thereof.

2,274,504
STRIP SUPPORTING ROLL FOR PICKLING VATS AND THE LIKE
Paul J. Shepherd, Lakewood, Ohio
Application April 30, 1941, Serial No. 391,191
7 Claims. (Cl. 266—7)



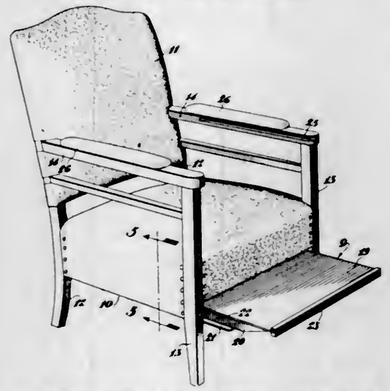
1. A sheet or strip supporting and guiding roll for a pickling vat and the like comprising in combination a cylindrical body of carbonaceous material having threaded bores extending inwardly from either end thereof, a shaft having a cylindrical bearing surface and a spaced screw threaded portion screw threadedly received in each of said threaded bores, an axially extending reinforcing pin imbedded in each of said shafts, a plurality of dowel pins received in bores extending along said screw threads to lock said shafts against rotation relative to said body, and a separable rubber sleeve covering the outer cylindrical surface of said body member and cemented thereto.

2,274,505
CONTROLLED TRANSMISSION CIRCUIT
Kurt Singer, Burbank, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1939, Serial No. 307,089
6 Claims. (Cl. 179—100.3)



1. An electrical transmission circuit comprising a variable gain amplifier for transmitting a signal to be controlled, a second variable gain amplifier for transmitting a controlling signal, a plurality of rectifiers, means interconnecting the output of said second amplifier with one of said rectifiers for controlling the amplitude of the output of said second amplifier in accordance with the input amplitude to said second amplifier, and means for connecting the output of said second amplifier with another of said rectifiers for controlling the amplitude of the output of said first-mentioned amplifier in accordance with the controlled output of said second amplifier.

2,274,506
CHAIR
Carlyle F. Streit, Cincinnati, Ohio
Application December 11, 1939, Serial No. 308,525
4 Claims. (Cl. 155—127)



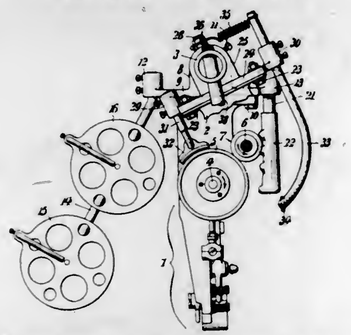
3. In a chair embodying a seat, legs, back, and arms, said seat including skirt portions extending downwardly therefrom at each side thereof, respective guide rails secured to the inner sides of these skirt portions, a tray-like element including outwardly facing channels along its side edges and an embellishing strip across its front edge, said tray-like element adapted to be slid into position with the channels upon the guide rails where it is concealed except for the embellishing strip, and means in the arms for receiving the channels and thereby supporting the tray-like element above the lap of the occupant.

2,274,507
EXCAVATING BUCKET STRUCTURE
Ernest W. Taylor, Bay City, Mich., assignor to Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio
Application April 3, 1941, Serial No. 386,586
6 Claims. (Cl. 37—184)



1. A bail arm for a clamshell bucket comprising an elongated fabricated core X-shaped in cross section to form radiating fins, vertically spaced segmental plates disposed between said fins and welded to said core, and pre-shaped bars welded to the core fins and forming an outer shell for the bail arm.

2,274,508
FILLED BAG CLOSING UNITS
Charles S. Thompson, Elmhurst, and Philip B. Clark, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1939, Serial No. 271,222
10 Claims. (Cl. 112—11)



1. A unit for closing the mouths of filled bags and the like, comprising a fastening machine and a motor at an elevation above said machine, each having its shaft vertically arranged; a driving wheel at the upper end of the machine shaft; a friction wheel at the lower end of the motor shaft; a vertical axis support; a bracket carrying the machine and secured to the vertical support adjacent the bottom; a grasp handle projecting forwardly from the bracket alongside the machine; a bracket carrying the motor and swingable about the vertical support for movement of the motor wheel into and out of peripheral driving engagement with the machine wheel; a brake also carried by the motor bracket; yielding means influential upon the motor bracket to normally maintain the brake member in contact with the machine wheel with the motor wheel retracted; and an actuating lever extending into proximity to the handle aforesaid for convenience of actuation by one of the fingers of the hand grasping said handle, whereby the motor bracket may be moved in opposition to the yielding means to concurrently effect withdrawal of the brake member from the machine wheel and engagement with the latter of the motor wheel.

2,274,509
WAX DISPERSION AND METHOD OF PREPARING SAME
Henry C. Thompson, Highland Park, Mich.
No Drawing. Application April 19, 1939, Serial No. 268,783
8 Claims. (Cl. 106—10)

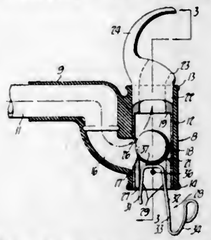
1. An aqueous wax dispersion for use in applying a film of wax to automobile finishes and the like, comprising carnauba wax, a dispersing soap formed of oleic acid having a titre of less than 8° C. a fixed alkali sufficient in amount to substantially completely saponify the oleic acid, and ammonia in sufficient quantity to give to the completed dispersion a slightly alkaline reaction when tested with phenolphthalein, and a waterproofing booster comprising a dispersed insoluble casein compound.

2,274,510
COMBINATION SLEEVE AND MITTEN
Max Wohl, Morris Cohen, and Irving J. Roitman, Chicago, Ill.
Application May 24, 1941, Serial No. 394,978
5 Claims. (Cl. 2—270)



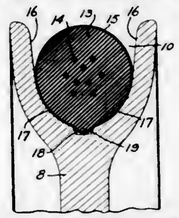
1. An article of the character described comprising a sleeve and a mitten connected thereto on a portion of its circumference, a pocket formed on the inside of the sleeve adjacent to the side on which the sleeve is joined with the mitten, said sleeve having a transverse opening extending across said sleeve and communicating with said pocket, and a closure flap for said opening, said mitten when not in use being adapted to be folded back and to be received in said pocket, and fastening means on said mitten engaging said flap for maintaining said mitten in said pocket.

2,274,511
DRINKING FOUNTAIN ATTACHMENT FOR FAUCETS
Arnold Van Doren Worthington, Oakland, Calif.
Application January 15, 1940, Serial No. 313,869
6 Claims. (Cl. 251—135)



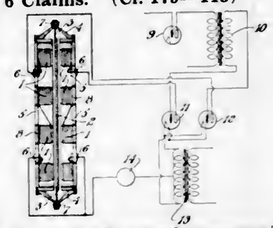
1. A drinking fountain attachment for faucets comprising, an elastic water impervious rubber body having a tubular part adapted for distention over the tubular spigot end of a faucet, the passage through said tubular part terminating in a bore extending through the body between opposite ends of said body, a metal tube mounted in said bore and having a side port in communication with said passage in said tubular part for admittance of water into said tube, valve seats in said tube above and below said port, and a water flow responsive valve mounted in said tube for movement between said seats and operable in a vertical position of said tube to permit the flow of water from the upper end of said tube at a relatively low rate of flow and exclusively from the lower end of said tube at a relatively higher rate of flow.

2,274,512
MOTION TRANSMITTING MECHANISM
Hugo W. Weimer, Milwaukee, Wis.
Application July 5, 1941, Serial No. 401,109
6 Claims. (Cl. 74—230.5)



1. In combination, driving and driven sheaves having approximately alined peripheral grooves, and an elastic approximately round endless belt coacting with said grooves, each groove having a recess near the bottom thereof and curved opposite side surfaces diverging away from said recess and adapted to deform the inner portion of said elastic belt into said recess while constantly urging the major portion of the elastic belt body outwardly away from the sheave axis.

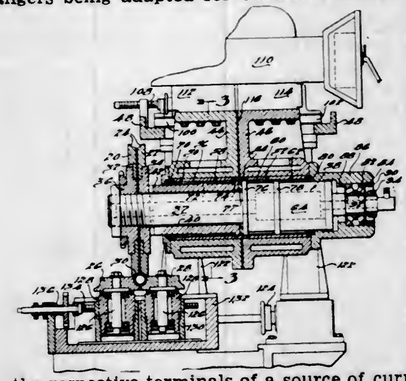
2,274,513
ELECTROMAGNETIC SPEAKER
Roy Allen Wells, Lawrence Township, Stark County, Ohio
Application October 14, 1940, Serial No. 361,196
6 Claims. (Cl. 179—115)



1. An electromagnetic speaker comprising two opposite groupings of electromagnets, a diaphragm located between said opposite groupings of electromagnets, said diaphragm comprising a magnetic plate, and pliable, non-resilient supporting means at the edges of the magnetic plate.

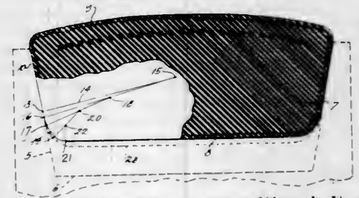
2,274,514
WELDING MECHANISM
Arthur B. Willsey, Dearborn, Mich.
Application October 4, 1940, Serial No. 359,752
9 Claims. (Cl. 219—6)

1. In electric welding apparatus, a welding head comprising a roller electrode formed of two adjacent but electrically separate electrode elements, a spindle assembly for supporting said electrodes and conducting current thereto having a spindle portion and a sleeve fitted thereon but insulated therefrom, means electrically connecting one said electrode element to said sleeve and electrically connecting the other said electrode element to said spindle portion, means comprising a pair of electrically separate hangers for rotatably supporting said spindle assembly, said hangers being adapted for electrical connection



to the respective terminals of a source of current supply, and means comprising a plurality of roller bearing elements interposed between said hangers and said spindle assembly, said bearing elements acting to form radial bearings between said hangers and said spindle assembly and to conduct current between one of said hangers and said spindle portion and between the other hanger and said sleeve.

2,274,515
ENDLESS V-TYPE BELT
Charles W. Yelm, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application July 13, 1940, Serial No. 345,290
3 Claims. (Cl. 74—234)

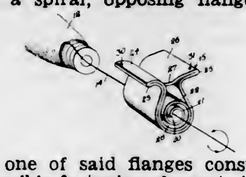


1. An endless rubber composition belt of the V-type, of greater width than thickness, having a transversely straight inside wall and an endless core of substantially inextensible cords embedded therein, the material between the cord core and the inside wall being resilient and elastic whereby its shape will change in response to variations in belt flexure, in which the inclined side wall surfaces are joined to the inside wall of the belt by curved surfaces whose curvature increases progressively from the inclined side walls to the inside wall.

2,274,516
SHUTTLE
Carl Aron Anderson, Putnam, Conn.
Application May 16, 1941, Serial No. 393,729
3 Claims. (Cl. 139—196)

1. In a shuttle, a reversible eye, said eye com-

prising a piece of sheet material bent upon itself to form a spiral, opposing flanges at the top



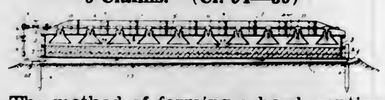
thereof, one of said flanges constituting a lip, and reversible fastening elements in each of said flanges.

2,274,517

APPARATUS AND METHOD FOR FUSING EARTH MATERIAL IN PLACE

Lee Roy Ashmore, Houston, Tex.

Application July 31, 1936, Serial No. 93,677
9 Claims. (Cl. 94—39)



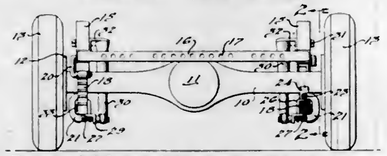
1. The method of forming a hard, continuous, monolithic structure from fusible natural earth which comprises placing the earth in permanent position, forming it into the desired final contour, then applying sufficient heat to the positioned earth material to fuse the same.

2,274,518

VEHICLE SUSPENSION

Lee R. Baker, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 25, 1940, Serial No. 362,719
3 Claims. (Cl. 267—52)



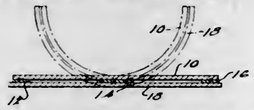
1. In a vehicle spring suspension, a frame; an axle; a pair of leaf springs respectively pivoted to said frame at one end thereof and shackled thereto at the other end thereof; means for connecting the central portions of said springs to said axle at points adjacent the ends thereof for accommodating lateral swinging of said axle relatively to said springs comprising a pair of links pivoted respectively to said axle and to said springs; the axes of said pivots lying in a common vertical plane disposed longitudinally of said frame.

2,274,519

HYDRAULIC CYLINDER CONSTRUCTION

Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application July 14, 1939, Serial No. 284,522
4 Claims. (Cl. 29—156.4)



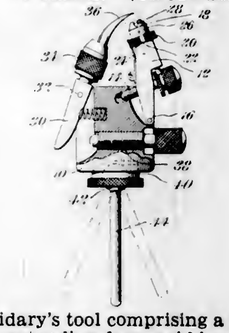
1. The method of forming a double wall cylinder which comprises the welding of longitudinally extending spacer strips to one side of a rectangular metal plate, superimposing a second rectangular metal plate upon said first plate in contact with said spacer strips, providing a free space between said plates, welding said second plate to at least one of said strips, forming said attached plates into a semi-cylindrical double wall shell, welding said second plate to the other of said spacer strips, placing two such shells with their axially extending edges in abutting relation and welding said abutting edges to form a double wall cylinder.

2,274,520

LAPIDARY'S TOOL

Louis Baumgold, New York, N. Y.

Application December 28, 1940, Serial No. 372,075
3 Claims. (Cl. 51—229)



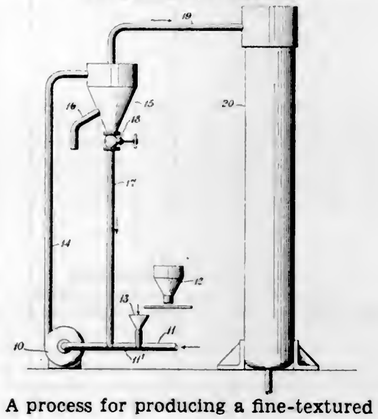
2. A lapidary's tool comprising a base, supporting means extending from said base, gem-receiving means rotatably attached to said supporting means, said supporting means being rotatable about an axis perpendicular to the axis of rotation of said gem-receiving means, means for holding respectively each of said means stationary at predetermined positions of rotation, clamping means extending from said base and rotatable about an axis through said base and adapted to clamp a gem against said gem-receiving means, and means attached to said base for pushing one end of said clamping means about the axis of said clamping means whereby the other end of the latter is locked against a gem on said gem-receiving means.

2,274,521

PRODUCTION OF FINELY DIVIDED PIGMENT SUBSTANCES

Charles Edward Berry, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 8, 1939, Serial No. 283,355
18 Claims. (Cl. 209—5)



1. A process for producing a fine-textured pig-

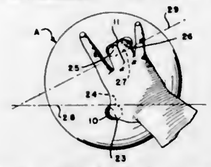
ment product adapted for direct use as a mix-in pigment in coating compositions, said pigment being substantially free of particles of 5 microns or greater size and substantially all of the particles of which pass through a 325 mesh screen, comprising intimately associating a minor amount of a polar non-polar compound with a previously ground, finished form of said pigment, dispersing the resultantly treated pigment in a gaseous medium, and thence subjecting the resultant dispersion to classification treatment to remove the coarser pigment particles from the finer fractions thereof, and recovering said finer fractions.

2,274,522

BOWLING BALL

Jacob Bomze, Detroit, Mich.

Application May 19, 1941, Serial No. 394,213
4 Claims. (Cl. 273—63)



1. A bowling ball which for purposes of definition is considered as divided by relatively perpendicular primary and secondary diametral planes, the ball having a cylindrical hole for receiving a thumb and having a hole oblong in cross section for receiving two or more fingers side by side, the axis of the cylindrical hole being coincident with the primary diametral plane, the oblong hole being spaced from and the major axis of the surface opening thereof inclining laterally away from the cylindrical hole, the major portion of the surface opening of the oblong hole extending to one side of the primary diametral plane and away from the cylindrical hole.

2,274,523

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSIN ALCOHOLS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application September 28, 1939, Serial No. 296,946. Divided and this application July 10, 1941, Serial No. 401,795
10 Claims. (Cl. 260—100)

1. The method of separating a Hyex rosin alcohol into its components which comprises dissolving the Hyex rosin alcohol in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the Hyex rosin alcohol from each of the resulting solutions.

2,274,524

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSIN ALCOHOLS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application September 28, 1939, Serial No. 296,946. Divided and this application July 10, 1941, Serial No. 401,794
10 Claims. (Cl. 260—100)

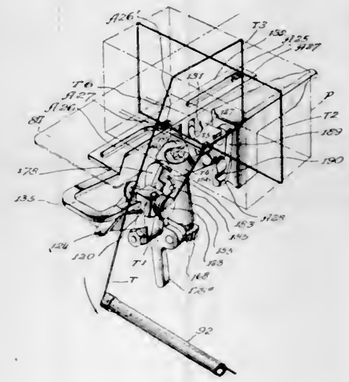
1. The method of separating a polymerized rosin alcohol into its components which comprises dissolving the polymerized rosin alcohol in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the polymerized rosin alcohol from each of the resulting solutions.

2,274,525

TYING MACHINE

Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois

Original application July 16, 1937, Serial No. 153,940. Divided and this application June 26, 1939, Serial No. 281,197
10 Claims. (Cl. 100—31)

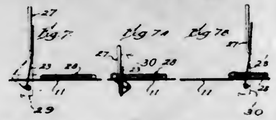


1. A tying machine comprising a wrapper for placing a twine about a package to form one or more wraps thereabout, a twine catcher for anchoring an initial end of the twine during the wrapping and for receiving and anchoring also a region of the twine beyond the wrapping portion of the twine, a knotter to one side of the twine catcher operating jointly on the reaches of twine which extend between the twine catcher and the wrapping portion to knot them together, and means for releasing the initial end from the twine catcher and for severing the second-anchored of said reaches between the knot and twine catcher, leaving the second-anchored region held by the twine catcher as the initial twine end for the succeeding cycle of the machine, the twine catcher comprising a button, a block having a face for co-operating with the button to retain the twine therebetween, and means for urging the button toward the face, the face being contoured as a helical convolution which approaches the button in the same arcuate direction as that in which the twine is received in the twine catcher.

7. A tying machine comprising a wrapping arm for placing a twine about a package to form a plurality of wraps, a twine catcher for anchoring an initial end of the twine during the wrapping and for receiving and anchoring also an extension of the twine beyond the wrapping portion of the twine, a knotter at one side of the twine catcher and nearer the package and operating jointly on a first reach of twine extending from the initial end anchored on the twine catcher to

the start of the wraps and on a second reach of the twine—the said extension—extending from the end of the wraps to the twine catcher to knot the two reaches together, the knotter including a beak which rotates about a transverse axis to encircle itself by the two reaches, a draw slide member, and means for reciprocating and guiding the draw slide member to cause a twine engaging portion thereof successively in the cycle of the machine to assume three positions, to-wit: a first position, laterally offset outwardly from the plane of the twine wrapping, swiped by the twine extending from the wrapping arm during the preliminary wrap or wraps to pass the twine clear of retentive engagement by the twine catcher, a second position, longitudinally spaced away from the twine catcher and offset substantially inwardly from the outer edge of the twine catcher, to permit the twine to be retentively engaged by the twine catcher toward the end of the final wrap, and a third position for carrying the twine of the second reach to the side of the knotter beak remote from the twine catcher before the twine-encircling rotation of the knotter.

2,274,526
TYING MACHINE
Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,258
15 Claims. (Cl. 100—31)



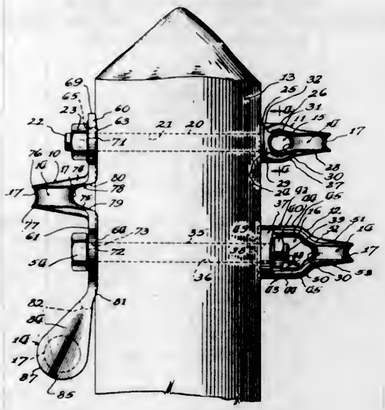
1. A twine tying machine comprising a package supporting table, knotting mechanism and a twine catcher below the table, a depending twine arm having a twine pay-out lower terminal normally parked at package clearance distance above the table with the terminal reach of twine extending downwardly from the terminal through the plane of the table to end anchorage on the twine catcher, means for mounting the twine arm and for moving its terminal through a vertically elongated orbit about the twine catcher in the vertical front-to-back plane thereof, and power driven means for actuating the twine arm moving means to pass the terminal through its orbit and in timed relation thereto for actuating the knotting mechanism while the terminal is near the bottom of its orbit to knot together the ends of a terminal reach of twine encircling a package on the table.

2,274,527
HYDRAULIC CONTROL CIRCUIT AND MECHANISM
Louis F. Buran and George D. Shaeffer, Detroit, Mich., assignors to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application August 24, 1940, Serial No. 354,020
15 Claims. (Cl. 37—126)



1. A tractor and vehicle having fluid operated mechanisms thereon attached thereto, a fluid diverting valve on said tractor, a fluid distributing valve on said vehicle, a fluid conductor connecting said valves, a pump for supplying fluid under pressure to said diverting valve, and means for operating both said diverting valve and said distributing valve.

2,274,528
POLE GUYING FIXTURE
Albert B. Chance, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application August 17, 1940, Serial No. 353,005
13 Claims. (Cl. 24—115)

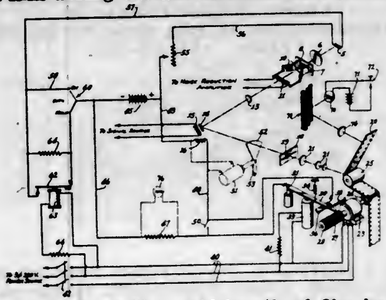


4. A pole guy fixture having means for attachment to a fixed body, comprising a pair of supporting side portions joined together by an integral yoke, said yoke being of substantially greater diameter than the diameter of a cable to be used with the fixture, and being substantially circular in cross section, said yoke having about its periphery a partially circular groove adapted to receive a cable to such size as to fit substantially in the groove, the walls of said groove supporting the sides of the cable against flattening, to diminish the inequality of strains on the strands of the cable, irrespective of the direction in which the parts of the cable extend from the fixture, both of said side portions having laterally and oppositely turned attaching flanges provided with apertures for receiving bolts or the like.

2,274,529
SOUND FILM RECORDING APPARATUS
Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1939, Serial No. 270,554
10 Claims. (Cl. 179—100.3)

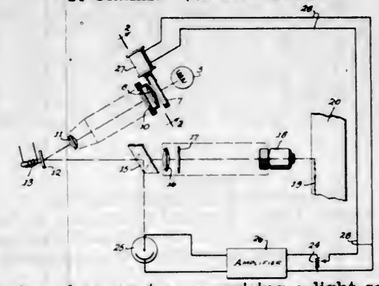
1. A sound recording system comprising means for producing a light beam, means for continuously projecting said light beam on a motion picture film, a galvanometer for modulating said light beam, means for overmodulating said galvanometer to eliminate said light beam from said film, means for advancing said film, a second light source, means for periodically projecting said second light source on said film, and means for energizing said galvanometer overmodulating

means for eliminating said first light beam from said film during the advancement of a predeter-



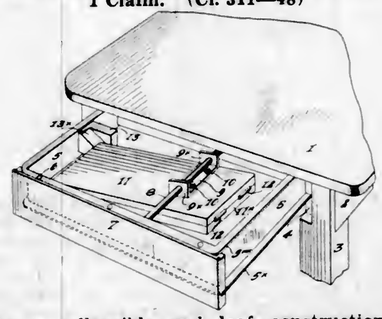
mined length of film, said length of film having thereon images made by said second light source.

2,274,530
AUTOMATIC LIGHT INTENSITY CONTROL FOR SOUND APPARATUS
Milford Edwin Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 24, 1940, Serial No. 354,017
10 Claims. (Cl. 179—100.3)



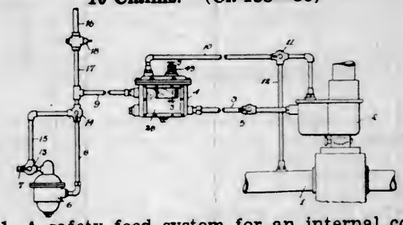
1. Sound apparatus comprising a light source, means for forming said light into a beam, means for intercepting a certain frequency portion of said beam, and means for utilizing said selected frequency portion of said beam to maintain the total light of said beam at a constant intensity.

2,274,531
COLLAPSIBLE END LEAF CONSTRUCTION FOR TABLES
Joseph Cooper, New York, N. Y.
Application March 18, 1941, Serial No. 383,909
1 Claim. (Cl. 311—48)



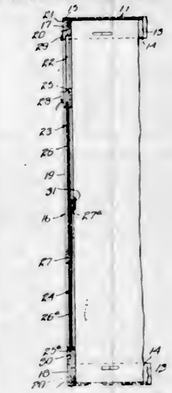
In a collapsible end leaf construction for tables, a frame, and a table top supported thereby, a drawer slidably mounted in the frame, a rod carried by and extending transversely of the drawer within the same, a leaf extension section carried by the rod for both swinging and endwise movements thereon, the drawer being of a depth substantially greater than the depth of the leaf extension and having a bottom plate disposed rearwardly of the leaf extension, the leaf extension carrier comprising a bracket bar secured to said leaf extension, the lower face thereof being formed with opposed angularly bent legs apertured to receive the rod, the connection between the rod and the extension leaf section being intermediate the ends thereof, a second extension leaf section hinged to an end of the first section and a supporting block having an inclined cam face, the block being secured to a side wall of the drawer and serving as a rest for the free end of said second leaf extension.

2,274,532
SAFETY FUEL SYSTEM FOR INTERNAL COMBUSTION ENGINES
Max Dach, Flushing, N. Y.
Application October 28, 1939, Serial No. 301,770
10 Claims. (Cl. 158—36)



1. A safety feed system for an internal combustion engine including a carbureter, piping leading to said carbureter, means including a pump for forcing liquid fuel through said piping to said carbureter and a control interposed in said piping, said control being provided with a chamber having one inlet and a pair of outlets, one of said outlets leading from the bottom of the chamber to said carbureter and the other outlet leading from the top of the chamber to the carbureter, a float positioned in said chamber, a valve actuated by said float for closing the secondmentioned outlet and hand adjustable means for preventing said float from closing said valve.

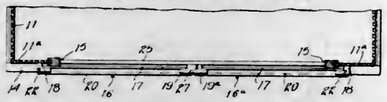
2,274,533
DOORFRAME FOR COLLAPSIBLE CLOSETS
Harry Derman, Laurelton, N. Y.
Application April 3, 1940, Serial No. 327,692
7 Claims. (Cl. 312—144)



7. A door frame unit for knockdown cabinets

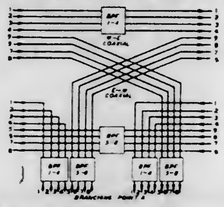
having collapsibly related back, side and top and bottom wall parts, the side wall parts having front wall portions, said unit comprising upper and lower transverse strips, spaced vertical rails joining the transverse strips inwardly of the ends thereof leaving the ends of said strips protruding beyond outer edges of said vertical rails onto the front wall portions of the cabinet, the protruding ends of said strips extending the frame unit to the side wall parts, said vertical rails extending the full height of the frame unit of the cabinet as defined by said transverse strips, opposed inner surfaces of said vertical rails having door supporting channels longitudinally thereof, a pair of door members movably supported in and forming part of said unit, and free edges of said door members having reinforcing strips.

2,274,534
COLLAPSIBLE CABINET
Harry Derman, Laurelton, N. Y.
Application February 24, 1941, Serial No. 380,118
8 Claims. (Cl. 312—144)



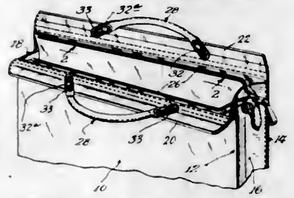
1. In a collapsible cabinet having a front door opening, a door frame unit comprising united and spaced vertical and transverse rails, said rails bordering the door opening of said cabinet, a swinging door in said frame, cooperating means between the door and said transverse rails of the frame adjacent one of the vertical rails forming a two-point pivotal mounting of the door in said frame, the end portions of the transverse rails projecting beyond said vertical rails, said pivot means comprising a pin and socket construction, and the pivot means of the door being arranged on projecting end portions of the transverse rails.

2,274,535
CARRIER WAVE SYSTEM
John T. Dixon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,852
5 Claims. (Cl. 179—15)



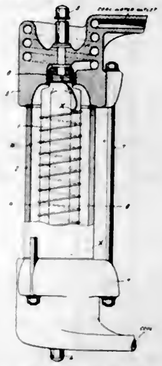
1. A broad band multiplex communication system including a main or through long distance line system comprising separate physical circuits for the two directions of transmission between its terminals and at least one line system branching from a point along the said through system, said branching line system comprising separate physical circuits for the two directions of transmission between said branching point and the other terminal of said branching line system, and multiplex signal transmission means including said line systems establishing between each pair of said terminals two-way carrier communication channels that are of constant frequency position throughout said line systems.

2,274,536
PORTFOLIO, BRIEF CASE, AND THE LIKE
Charles Doppelt, Chicago, Ill.
Application July 19, 1939, Serial No. 285,294
1 Claim. (Cl. 150—1.6)



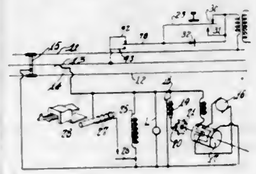
In a portfolio of the character described, side walls having upwardly projecting extensions, a web having interlocking fastening elements secured to each of said walls and when interlocked arranged to form a channel with said extensions, a pair of spaced handle supporting elements mounted on each of said extensions, resilient handle members having elongated slots at the terminal portions in sliding engagement with said supporting elements, means in said handle members normally urging said handles to a substantially straight line position between said extensions within said channel and below the plane of the top marginal edges thereof, said handle members being movable to an arcuate hand engaging position above the plane of the top marginal edges of said projecting extensions for carrying said receptacle, said handles when released adapted to automatically assume the straight line position below the top marginal edges.

2,274,537
FLUID-COOLED RESISTANCE
Paul Ehlert, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 12, 1939, Serial No. 283,963
In Germany July 21, 1938
8 Claims. (Cl. 201—65)



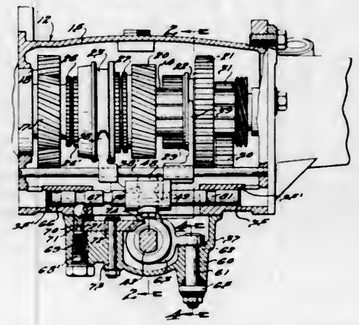
3. A fluid cooled resistance device for radio frequency use comprising an insulating core having a plurality of radially spaced longitudinal ridges, a resistance unit located upon the ridges of said insulating core, an outer shell surrounding said core and resistance unit, two insulating blocks for supporting said core, each one of said blocks having a fluid duct therethrough and located at an end of said shell for enclosing said resistance unit, and means for connecting the fluid duct of each insulating block with a source of cooling fluid whereby said fluid passes around the ridges of said core and comes in direct contact with said resistance unit.

2,274,538
REMOTE CONTROL SYSTEM FOR TOY ELECTRIC RAILROADS
Anthony Ehret, Hillside, N. J., and Henry J. Ferri, Port Richmond, Staten Island, N. Y., assignors to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,330
7 Claims. (Cl. 104—150)



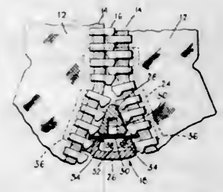
1. In a toy railroad, the combination with means for supplying a two conductor track circuit with alternating current either continuously or with interruptions or with alternating current of substantially lower voltage with a superposed direct current potential without current interruption, of a train supplied by said track circuit, the train having a propulsion motor operable by the higher voltage alternating current, a propulsion motor reverser operable by interruption of said higher voltage alternating current but not responsive to the drop in voltage to the lower voltage, a relay incapable of operating on said higher alternating current voltage but operable on the reduced voltage with direct current component and remaining closed for a short interval after restoration of the higher alternating current voltage, and a relay controlled device not responsive to the reduced voltage with direct current component but responsive to the alternating current flowing in said short interval.

2,274,539
TRANSMISSION RAIL LOCK
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 18, 1940, Serial No. 314,531
1 Claim. (Cl. 74—477)



In a change speed transmission mechanism having a housing and a pair of shift rails mounted in said housing for shifting longitudinally thereof, an opening in the side of said housing; a cover for said opening; a rockshaft mounted vertically in said cover and having a portion extending outwardly thereof for engagement by a shift lever; a selector element carried by said rockshaft and adapted for movement relatively thereto to selectively operably engage the rockshaft with said rails; detent means yieldably engaging said rails; a locking lever carried by said cover for rocking about an axis disposed perpendicular to the axis of said rockshaft; the ends of said locking lever being respectively disposed in engagement with said selector member and one of said detent means whereby shift of one of the rails is prevented while the selector member is in engagement with the other rail; and means for moving said selector member into engagement with said one rail including means for simultaneously rocking said locking lever to unlock said rail.

2,274,540
LOCKING SLIDER FOR SLIDE FASTENERS
Bernard S. Franklin, New York, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey
Application February 2, 1940, Serial No. 316,881
17 Claims. (Cl. 24—205.5)

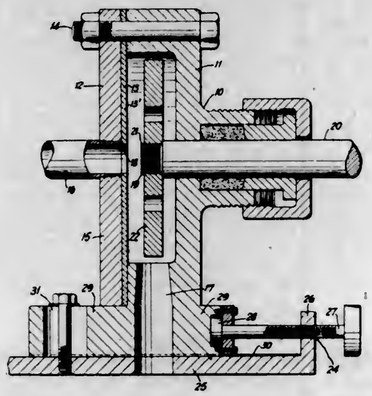


4. A locking slider for a slide fastener including tapes having interlockable fastener elements secured along the edges thereof, said slider comprising flanged top and bottom walls connected by a neck portion, a spring strip extending transversely through said neck portion, a pull pivotally mounted on said slider, a passage affording movement of a part of the pull into the neck portion of the slider and against the spring strip, the parts being so disposed that when the pull extends in the direction of the slider the ends of the spring strip project from the neck portion to lock the slider, but when the pull is raised to a position transverse of the slider the spring strip is so flexed by the aforesaid part of the pull that the ends of the strip are retracted substantially within the neck portion of the slider.

2,274,541
EROSION-CORROSION TESTING DEVICE
Marselio Guido Fontana, Kenmore, N. Y., and Garrett Reed Cantwell and Philip George Schwaab, Jr., Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 25, 1940, Serial No. 315,508
7 Claims. (Cl. 73—51)

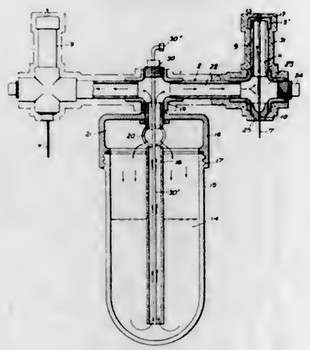
1. A testing device comprising in combination a metallic casing provided with an internal chamber, separate inlet and outlet means for said casing communicating with said chamber, additional means within said casing for suspending a material to be subjected to test together with means for imparting rotary motion thereto, and further means spacedly disposed opposite from a surface of the material to be tested, adapt-

ed to form a restricted passage through which a medium, the action of which is to be determined,



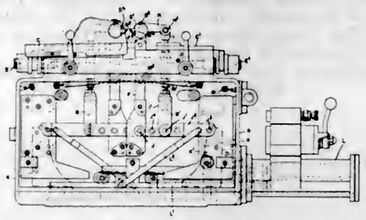
flows in a relatively restricted stream into and out of said chamber.

2,274,542
REED-FORMING DEVICE
William J. Griffiths, Glen Rock, N. J., assignor to Holland Mfg. Co., New York, N. Y., a corporation of New Jersey
Application August 17, 1940, Serial No. 353,139
1 Claim. (Cl. 91—46)



A device of the character described comprising an impregnating solution container open at the top, a hollow cap secured to the top of said container and arranged to be in full communication therewith, means for directing fluid under pressure into said cap and container, a pipe connected to said cap and extending therethrough to near the bottom of the interior of said container, a vertically arranged tubular impregnating chamber having an inlet and an outlet orifice at the bottom and top respectively in alignment for the passage of fibrous strands through said impregnating chamber, means for pulling fibrous strands through said chamber so that the strands will travel vertically, and conduit means connecting the upper end of said pipe and the bottom part of said impregnating chamber, whereby when the device is functioning impregnating solution from said container will be delivered to the impregnation chamber under pressure.

2,274,543
TRIMMING MECHANISM FOR GRINDER WHEELS
Ivor J. Gruenberg, Ferndale, Mich., assignor to Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application June 10, 1940, Serial No. 339,821
11 Claims. (Cl. 125—11)

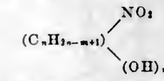


1. In a method of trimming curved contours with templet controlled pantograph trimming mechanism having projecting arms of proportionate length for respectively engaging the templet and for carrying the trimming point, the steps of selecting an arcuate curve having the least divergence from the curve of the templet, adjusting the length of the trimming arm to be approximately proportionate to the radius of the selected arc and proportionately adjusting the length of the templet engaging arm.

3. A trimming mechanism comprising a pantograph proportioned for a predetermined reduction and having a short arm for carrying the trimming point and a long arm for engaging a templet, and means for adjusting the lengths of said short and long arms to change the degree of angular movement thereof while maintaining a constant ratio of reduction.

2,274,544
PRINTING OF TEXTILE FABRICS
Ivan Gubelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1940, Serial No. 356,649
9 Claims. (Cl. 8—62)

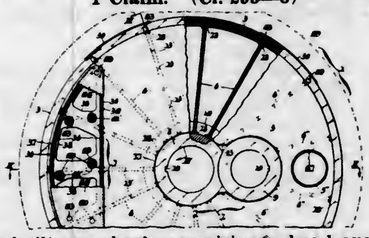
9. The process which comprises printing on a dyeable textile material with a printing paste which contains a thickener which is sufficient to make the paste suitably viscous for printing; a water-soluble condensation product of a substantially insoluble dye which is represented by the formula R—M in which R is the radical of an insoluble dye which contains at least one condensible group of the class consisting of hydroxy and imino and M is an acyl radical which is connected to the residue of said condensible group, said acyl group being capable of rendering the dye water-soluble and of being hydrolyzed off and thereby of regenerating the insoluble dye by the action of an alkaline agent after the solubilized dyestuff is applied to the fiber; and an assistant consisting of a significant amount of a mono-nitro-hydroxy saturated aliphatic hydrocarbon represented by the formula



in which the nitro and hydroxy groups are attached to different carbon atoms, n is 2 to 6, m is 1 to 3 but less than n, where m is 1 then n is not greater than 4 and where m is greater than 1,

n is at least 3; and subjecting the print to a saponification agent until a dyeing of said insoluble dye is produced.

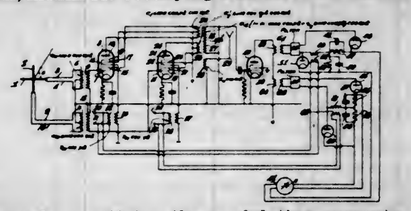
2,274,545
BUILT-UP WHEEL
Harry A. Hoke, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1940, Serial No. 333,095
1 Claim. (Cl. 295—8)



A built-up wheel comprising a hard annealed steel composite center of selected texture and strength, said center embodying axle and crank-pin hub portions, an attached substantial collar about the axle hub portion; a rim of like material having inner groovings; back and front plate discs of different texture and softer steel intermediate the center and rim, said discs having their inner and outer circumferential edges reversely beveled to define with the rim groovings, hub collar and crank-pin hub surrounding angle section recesses, one of said discs having radially directed spaced series of elongate slots therethrough, with the inner and outer ones open-ended for communication into said recesses; spacers of the softer steel in connected abutment between the plate discs, composite center and rim, each spacer having one longitudinal edge lapping a confronting radial series of elongate slots; a counterbalance main pocket defined by chord pieces intermediate selected wheel disc spacers; aligned elongate slots in one of the wheel discs over which said chord pieces register; a rim member exterior of the disc opposing the radially slotted one to define a supplemental pocket, said rim member including a chord portion aligned with the aforementioned chord pieces, and an arcual portion inward of the wheel rim; apertures through the second mentioned disc affording substantial communication between the counterbalance main and supplemental pockets; means integrally connecting the parts aforesaid to the wheel discs and spacers; welding material filling all of the disc radial and chord piece slots with the open-ended ones united to the disc surrounding welds to rigidify the wheel as a built-up unit; and a cover member for the counterbalance supplemental pocket.

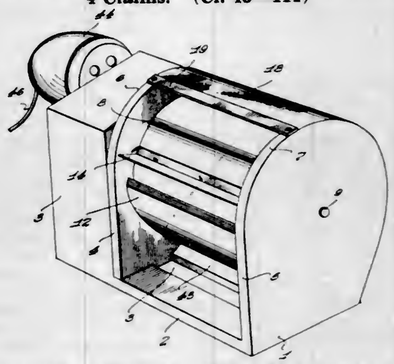
2,274,546
RADIO COMPASS
Eduard Herman Hugenholtz, Hilversum, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application November 13, 1939, Serial No. 303,935
In the Netherlands November 12, 1938
4 Claims. (Cl. 250—11)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

2. A radio compass having a pair of crossed directional antennas and a nondirectional antenna, means for modulating with currents of different frequency the currents derived from waves intercepted by said directional antennas, means for deriving a current from said nondirectional antenna, means for combining the current from said antenna with said currents derived from said directional antennas, means for detecting the thus modulated and combined currents, means for rectifying said detected currents,



means for rectifying the modulating currents of different frequency, means for combining the rectified detected currents and the rectified modulating currents, a directional indicator, and means for applying the two combined rectified currents to said indicator to indicate the angle between the said wave fronts and one of said directional antennas.

2,274,547
INSECT TRAP
Joseph H. Jackson, Clanton, Ala.
Application January 30, 1941, Serial No. 376,691
4 Claims. (Cl. 43—111)

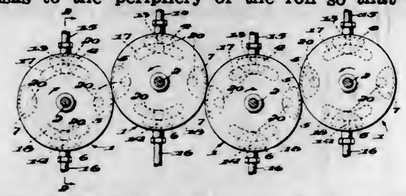


1. In an insect trap, a frame, a screen carried by the frame, a drum rotatable in the frame and cooperating with the screen to define a passage, a pair of crusher elements carried by the drum, means carried by the drum and hingedly and resiliently connecting the crusher elements with the drum, and a stationary crusher element carried by the frame in the passage for selective engagement by the first-mentioned crusher elements for crushing an insect upon rotation of the drum.

2,274,548
CORNHUSKING MACHINE
Bennie R. Johnson, Scarville, Iowa, and George C. Wittman, Kiester, Minn.
Application July 12, 1939, Serial No. 284,082
16 Claims. (Cl. 130—5)

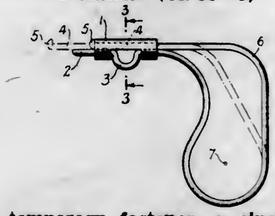
1. In a corn husking machine, a plurality of rotatable rolls, one roll capable of being rotated in clock-wise direction, another roll capable of being rotated in counterclock-wise direction and co-operating with the first roll to form a bight to remove the husks from ears of corn, one of said rolls having a plurality of air chambers adjacent

to the periphery of said roll which communicates with the atmosphere through vents in the periphery of said roll, means for supplying suction to said chambers in succession when said chambers are above the bight for holding the corn husks to the periphery of the roll so that the



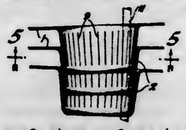
bight of the rolls may remove the corn husks from the ears of corn, and means for supplying air under pressure greater than atmospheric pressure to said chambers in succession when said chambers are below the bight for removing the corn husks from the periphery of the roll.

2,274,549
TEMPORARY FASTENER
Corydon M. Johnson, Freeport, N. Y.
Application May 22, 1940, Serial No. 336,521
1 Claim. (Cl. 85—5)



In a temporary fastener, a single piece of metal formed into pin sections movable longitudinally relative to each other, a resilient handle section tending to move said pin sections relative to each other, a sleeve having a longitudinal opening through which said pin sections pass, one of said pin sections having a hook on the end thereof and adapted to slide in said opening, the other of said pin sections having a kink therein extending through a lateral opening in the sleeve to hold the sleeve section rigidly and immovable on said pin section.

2,274,550
METHOD OF MAKING RIFLED EXTRUDED TUBES
John Karmazin, Grosse Ile, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 15, 1940, Serial No. 345,589
5 Claims. (Cl. 113—118)



1. In the manufacture of nested tube devices formed of thin walled and relatively ductile material, the method of insuring built-up fillets of bonding material at the exterior and interior edges of the nested tube joints including, the production of spacer ridges on one surface of each tube wall to afford axially extending channels in the nested tube walls, immersing the nested tubes in a cleaning liquid bath for passage of the cleaning liquid through said channels from end to end of the nested joint surfaces and thereafter applying molten bonding material to said walls for flow through the channels from one joint edge to the other.

2,274,551
DERIVATIVES OF RESINS AND THEIR PREPARATION
William O. Kenyon, Louis M. Minsk, and George P. Waugh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 30, 1939, Serial No. 282,316
14 Claims. (Cl. 260—152)

1. A resin-dye comprising a resinous polymerization product containing a benzenoid group therein, joined through an azo linkage with an azo-dye-coupling component.

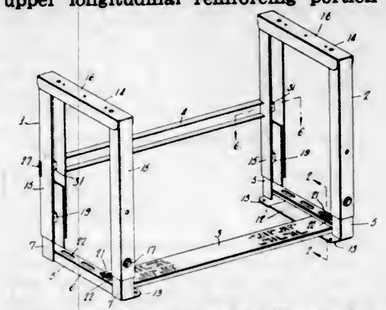
9. A colored resin comprising a styrene-maleic anhydride heteropolymer chemically coupled through an azo linkage with alpha naphthol.

2,274,552
SAFETY LATCH FAR SLIDING CLOSURES
Oliver D. Kingsland, Rochester, N. Y.
Original application April 18, 1940, Serial No. 330,417. Divided and this application November 20, 1940, Serial No. 366,493
1 Claim. (Cl. 189—72)

A safety attachment for vertically sliding closures comprising a vertically slidable closure having a bottom rail formed of telescoping sections, a frame slidably mounting said closure and provided with a rack bar, a pawl pivotally mounted on said sliding closure, a lever pivotally mounted, intermediate of its ends, in said telescoping sections and having one end engaging against the bottom section and the opposite end engaging against said pawl whereby said lever will be actuated when the last mentioned section is moved inwardly relatively to the other of said telescoping sections for actuating the pawl for moving it into engagement with the rack bar for supporting the closure relatively to the frame, said lever being movable independently of said last mentioned section and pawl, and said last mentioned section and pawl being movable independently of each other so that the last mentioned section can move outwardly of the other section while the pawl remains in latching engagement with the rack bar.

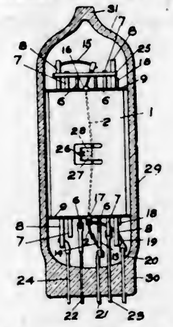
2,274,553
STAND FOR WORK TABLES
Frank E. Klinke, Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania
Application January 9, 1940, Serial No. 313,107
4 Claims. (Cl. 311—109)

1. In a stand for work tables, an upright unit comprising spaced pressed metal channels arranged with their open sides facing each other and constituting leg elements, a pressed metal cross brace rigidly connecting the lower ends of said leg elements, said brace being formed with an upper longitudinal reinforcing portion and



a lower transversely extended flange, the ends of said upper portion fitting snugly within the channel of the respective leg elements, and said flange forming a footrest for the unit.

2,274,554
ELECTRICAL SPACE DISCHARGE TUBE
Norman B. Krim, Cambridge, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application August 17, 1940, Serial No. 353,107
2 Claims. (Cl. 250—27.5)

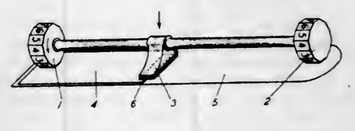


2. An electrical space discharge tube comprising an envelope containing a filamentary cathode, an anode, and a plurality of grids interposed between said cathode and said anode, a press in the wall of said envelope, a plurality of conductors sealed in said press and disposed in a row, the conductor at one end of said row being connected to one end of said cathode, the conductor at the other end of said row being connected to said anode, the outermost grid being connected to the end conductor connected to said cathode, the central conductor in said row being connected to the other end of said cathode, the conductors located alternately on opposite sides of said central conductor being connected to successive grids.

2,274,555
POLYVINYL HALIDE
Archie B. Japs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1937, Serial No. 178,114
8 Claims. (Cl. 260—36)

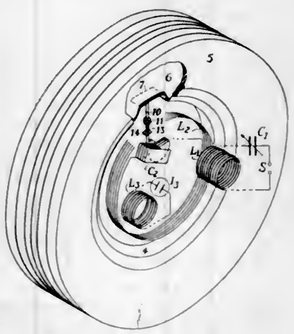
3. A heat- and light-stable gamma polyvinyl chloride composition having good low-temperature flexibility, said composition containing a plasticizer and in addition a different material which is an ester of an unsaturated fatty acid containing an eighteen-carbon chain with a compound of the structural formula ROH wherein R represents a hydrocarbon group, said ester being present in an amount not over twice the weight of the plasticizer.

2,274,556
MARKING THE FLAPS AND THE FILMS FOR PHOTOGRAPHIC FILM PACKS
Alfred Miller, Dessau, and Eduard Schnitzler, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 26, 1939, Serial No. 281,216
In Germany June 27, 1938
2 Claims. (Cl. 93—1)



1. In a process for marking the flaps and the films to be stuck together with said flaps for a photographic film-pack, the improvement which comprises stamping indicating marks on said flaps, stamping corresponding marks on said films, and sticking together said flaps and said films, said stamping and sticking being conducted in one operation.

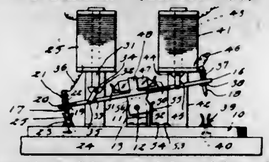
2,274,557
ELECTRIC GAUGE
Raymond Morgan, Philadelphia, and Rembrandt D. Summers, Rockledge, Pa.
Application July 10, 1940, Serial No. 344,816
2 Claims. (Cl. 177—351)



1. In electrical means for measuring some variable condition in a rotating member, a relatively stationary aperiodic circuit containing an

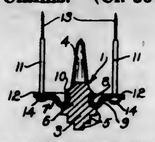
indicating device responsive to changes in voltage in said circuit, an energizing circuit relatively fixed with respect to said aperiodic circuit, a tuned circuit on said rotating member forming a coupling between said energizing and indicating circuits, the indicating circuit having negligible direct coupling with the energizing circuit and thereby being inoperative except for the aforesaid coupling through the tuned circuit on the rotating member, and means for modifying the resonant frequency of the said tuned circuit in accordance with variations in the said condition in the rotating member.

2,274,558
SOLENOID SWITCH OPERATOR
William H. Murray, Central Valley, Calif.
Application April 9, 1940, Serial No. 328,785
3 Claims. (Cl. 200—90)



1. A circuit making and breaking device comprising a rock shaft, a transversely disposed lever carried by said shaft, a liquid switch carried by said shaft, a pair of electro-magnetic members disposed one on each side of said shaft and above said lever, means operatively connecting said members to said shaft to thereby effect rocking of said shaft and lever, a pair of stationary yieldable contacts disposed beneath said lever adjacent the ends thereof, a pair of movable spring-pressed contact members carried by said lever for alternate engagement with said stationary contacts, and means connecting said movable contact members to said electro-magnetic members.

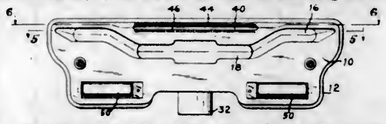
2,274,559
SHOE CALK
Loren W. Nitkey, Dudley, Idaho
Application May 29, 1940, Serial No. 337,938
6 Claims. (Cl. 36—67)



1. In a device of the character described, a calk having a head and a neck extending therefrom, a washer fitting about the neck and having marginal portions formed with nail openings constituting cup shaped sockets, and nails for passing through the nail openings having hemispherical portions fitting within the sockets and cooperating therewith to provide ball and socket joints permitting tilting of the washer and calk when a shoe sole is flexed during walking.

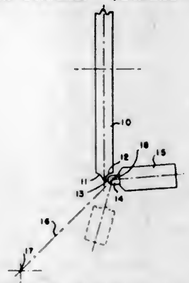
2,274,560
VACUUM CLEANER ATTACHMENT
Thomas Wellington Ott, Milwaukee, Wis.
Application July 13, 1939, Serial No. 284,224
3 Claims. (Cl. 15—155)

1. An attachment for a vacuum cleaner having a suction device, said attachment including a base member forming a nozzle having two air passage openings extending in from the bottom of said base member, one of said openings being larger than the other, the larger opening being located to the rear of the smaller opening and having the sides thereof directed forwardly so as to substantially laterally disposed with respect to the smaller opening on the sides thereof a valve member having a U-shaped passage interconnected to the suction device of the vacuum cleaner, said valve member having two nor-



mal positions, said valve member when in one of said positions interconnecting the suction device through one leg of the U-shaped passage to one of said air passage openings and when in the other position interconnecting the suction device through the other leg of the U-shaped passage to the other air passage opening, and means responding to the force actuating the nozzle for shifting said valve member from one position to the other.

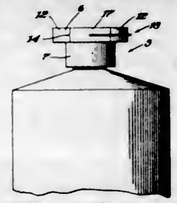
2,274,561
TRIMMER
Frank Pernack and William A. Schulte, Detroit, Mich., assignors to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application February 10, 1941, Serial No. 378,311
12 Claims. (Cl. 125—11)



1. Trimming mechanism for grinding wheels comprising a base, a trimmer frame vertically adjustable on said base, a template support vertically adjustable on said frame, a lever pivoted at one end to said frame, a shaft pivotally carried by the opposite end of said lever, a template follower adjustable radially of said shaft, a diamond trimmer adjustable radially of said shaft, whereby said template support may be aligned with said grinding wheel, the axis of said shaft may be located adjacent the average center of curvature of the trimmer surface of said grinding wheel, and said template follower and diamond trimmer may be spaced from the axis of said shaft by an amount substantially equal to the average radius of curvature of said trimmed surface.

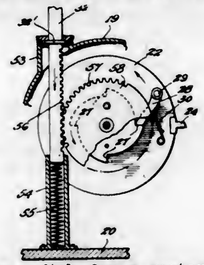
2,274,562
CLOSURE DEVICE
Vincent F. Palmer, Newark, N. J.
Application February 5, 1940, Serial No. 317,433
3 Claims. (Cl. 215—73)

3. In a closure device, a head having a pair of spaced apart complementary sections, a slide member mounted to slide between the said head sections, and a locking member of approximate arcuate contour having its ends pivotally con-



nected to the slide member operable to embrace one of the head sections to releasedly lock the slide in closure position.

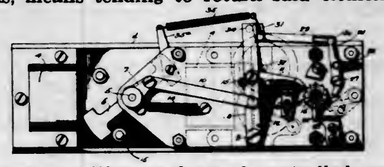
2,274,563
REVERSING SWITCH
Leon L. Patrick and Clarence V. Dosch, Evansville, Ind.
Application May 31, 1938, Serial No. 210,963
1 Claim. (Cl. 200—8)



A reversing switch for a motor comprising a casing, terminal posts carried by said casing, resilient strips carried by said terminal posts, a shaft extending through said casing, a drum rotatably carried by said shaft within the casing, bridging means carried by said drum and extending radially therefrom for engaging said resilient strips to provide connections between certain of the terminal posts, said resilient strips constituting latches for releasably holding the drum in set position, a ratchet wheel loose upon said shaft adjacent one end of said drum, a pawl carried by said drum for engagement by teeth of said ratchet wheel, a gear secured in side by side engagement with said ratchet wheel, a plunger slidable vertically through the upper portion of said casing and having rack teeth meshing with the teeth of said gear, a sleeve in said casing slidably receiving the lower end portion of said plunger, and a spring in said sleeve yieldably holding the plunger in a raised position.

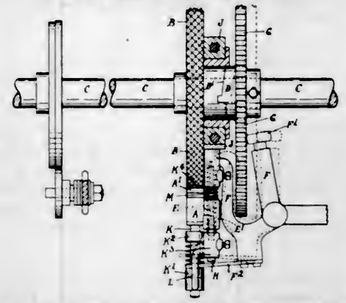
2,274,564
STEP BY STEP POSITIONING DEVICE
Francis Richardson, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 20, 1938, Serial No. 220,381
9 Claims. (Cl. 74—155)

1. In a step-by-step positioning device, a movable element having a home position and arranged for movement to successive operating positions, an electromagnetically actuated rotatable armature, a longitudinally movable pawl, a crank and linkage connecting said armature and said pawl so as to translate uniform rotation of said armature into substantially simple harmonic motion of said pawl, for effecting step-by-step movement of said element to its successive positions, means tending to return said element to



its home position, and speed controlled means actuated by said linkage for controlling said last-named means.

2,274,565
STRAIGHT-BAR KNITTING MACHINE
Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England, assignors to George Blackburn and Sons Limited, Nottingham, England
Application August 12, 1941, Serial No. 406,530
In Great Britain May 16, 1940
8 Claims. (Cl. 66—82)

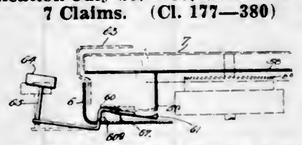


1. In a straight-bar knitting machine the combination with the draw mechanism of a rotatable member, a friction brake, positive locking means and a clutch to drive the rotatable member and means adapted to apply the brake to and move the positive locking means into engagement with the rotatable member when the clutch is disengaged, substantially as described.

2,274,566
GROUTING FOR EARTH'S STRATA
Francis D. Sullivan, Memphis, Tenn.
No Drawing. Application August 11, 1931, Serial No. 556,466
15 Claims. (Cl. 106—83)

15. A grouting for earth's stratas comprising a mass of comminuted organic fibrous materials and water adapted for application by pressure.

2,274,567
CIRCUIT CONTROLLING AND IMPULSE SENDING DEVICE
Elmer O. Thompson, Grasmere, N. Y., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 20, 1938, Serial No. 220,367
7 Claims. (Cl. 177—380)



1. In an impulse sending device, normally dis-

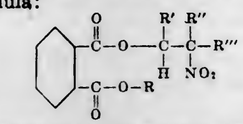
engaged contacts operable to send successive impulses of short duration, means including an energy-storing element for operating said contacts, manually-operable means for storing energy in said element, to thereby effect operation of said contacts, and manual means operable at will to temporarily interrupt the operation of said contacts when they are in engagement, to thereby prolong the duration of one of the impulses.

2,274,568
CELLULOSE DERIVATIVE COMPOSITIONS

Byron M. Vanderbilt, Roselle Park, N. J., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application May 29, 1939, Serial No. 276,421
5 Claims. (Cl. 106—181)

1. A composition of matter comprising a cellulose derivative selected from the group consisting of cellulose esters and ethers, and from 25%–50% by weight of a phthalic acid ester based on the weight of said cellulose derivative, said phthalic acid ester having the following structural formula:

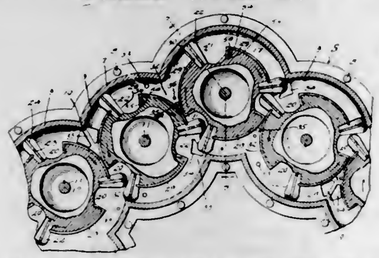


in which R′ is chosen from the group consisting of hydrogen and alkyl, and R″ and R‴ are chosen from the group consisting of hydrogen, alkyl and cycloalkyl, and R is chosen from the group consisting of alkyl and cycloalkyl.

2,274,569
INTERNAL COMBUSTION ENGINE

Jan Weinberger, Truro, Nova Scotia, Canada

Application August 22, 1940, Serial No. 353,738
5 Claims. (Cl. 123—12)

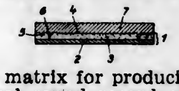


1. An internal combustion engine comprising a power shaft, a stator surrounding said shaft and provided with an annular series of cylinders substantially concentrically arranged around the power shaft, the axes of the cylinders being substantially parallel to the shaft, a fly wheel fixed to the shaft to one side of the stator, a rotor mounted in each of the cylinders, a shaft for each of the rotors disposed toward the fly wheel and extending exteriorly of the stator, concentric flanges extending out from the face of the fly wheel opposed to the stator, the inner faces of the flanges being formed to provide continuous circular racks, a gear carried by the extended portion of the shaft of each of the rotors meshing with one of the circular racks of the fly wheel, the various gears alternately meshing with said racks with a single gear in mesh with one rack and free of the other, and means for admitting and exploding a fuel charge within the cylinders for rotating adjacent rotors in opposite directions.

2,274,570
PROCESS FOR PRODUCING SOUND FILMS AND MATRIX THEREFOR

Hugo Westerkamp, Cologne-Braunsfeld, Germany

Application May 14, 1940, Serial No. 335,194
In Germany June 28, 1939
5 Claims. (Cl. 18—5.3)

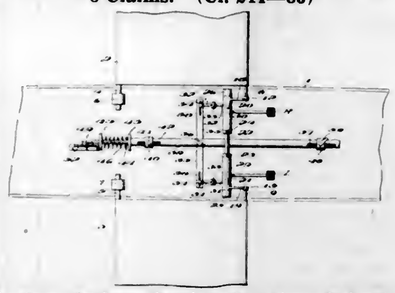


4. A flexible matrix for producing sound films with mechanical sound record grooves therein, comprising a ribbon-shaped member having a plurality of sound track ribs extending along its length for a restricted central portion of the width thereof, said member also having further ribs of knife-like shape which in the flat position of the matrix extend parallel and straight along its length outside and at each side of said central portion for providing longitudinal guides for handling the matrix, said further ribs being higher than the sound record ribs and providing means for cutting an impressible ribbon blank to a predetermined definite width with the sound tracks positioned at a predetermining definite location thereon.

2,274,571
AIRCRAFT CONTROL

Walter Wisk, New Britain, Conn.

Application September 25, 1940, Serial No. 358,333
8 Claims. (Cl. 244—83)



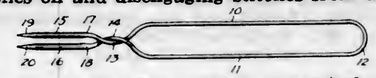
1. A control mechanism for aircraft having a fuselage and at least two wings pivoted thereto, comprising a pair of spaced operating members respectively connected to said wings, each of said members being movable in one direction for imparting pivotal movement thereto, a cross-arm connected at its ends to said members and normally extending transverse to the direction of movement of said members, pivot means on said cross-arm intermediate said ends whereby, when one of said members is moved in one direction, the other of said members is moved in the other direction, and a bar slidable in the direction of its length slidably supporting said pivot means for sliding movement in a direction parallel to the direction of movement of said members whereby both wings may be moved together upon sliding movement of said bar and whereby one of said members may be held stationary while the other of said members and said bar are moved for pivoting only one of said wings.

2,274,572
HAND KNITTING STITCH HOLDER

Harry A. Yates, Fairfield, Conn.

Application April 22, 1941, Serial No. 389,703
5 Claims. (Cl. 66—117)

1. A hand knitting stitch holder, comprising a pair of spaced side leg portions, a connecting portion connecting said leg portions at one end and constituting means for transferring stitches from one leg portion to the other, a pair of needle point end portions respectively connected to the other ends of said leg portions for engaging stitches on and disengaging stitches from either

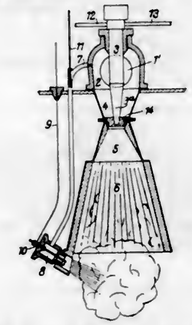


of said respective leg portions, and interlocking formations on said side leg portions adjacent said needle point end portions adapted to be engaged and disengaged with respect to each other and each adapted in their disengaged relation to permit stitches to pass thereover in either direction to or from said side leg portions and said needle point end portions.

2,274,573
OIL BURNER

Serge Ziegler, Berlin, Germany

Application April 11, 1939, Serial No. 267,356
In Germany December 22, 1933
9 Claims. (Cl. 158—73)



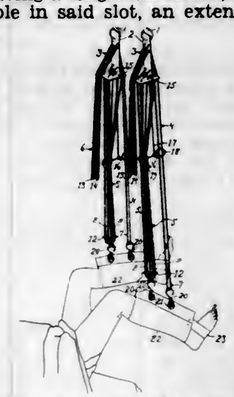
1. In a fuel oil burner, in combination an atomizer, means to deliver fuel and atomizing medium into said atomizer, an annular chamber around said atomizer and comprising an upper dome-shaped part and a lower conically tapering part having its end of lesser diameter serving as the outlet end, the outlet end of the atomizer being located adjacent the outlet end of said tapering part, means to supply combustion air under pressure into said dome-shaped part, a conically diverging burner extension whose end of lesser diameter is coupled to said outlet end of said lower tapering part, means for separately delivering a portion of the air from said dome-shaped chamber part directly into the path of the fuel and air as the fuel and air leave the larger end of said conically diverging extension and means for passing ignition fuel into said delivering means for delivery with said portion of the air, and means at the place of delivery of said portion of air and ignition fuel for igniting the same.

2,274,574
VASCULAR AND JOINT EXERCISER

Gustav A. Zerne, Brooklyn, N. Y.

Application August 16, 1938, Serial No. 225,214
4 Claims. (Cl. 272—57)

1. Apparatus for treating abnormal conditions of the body members or extremities, comprising a support located above the member to be treated, a sling in the form of an open sleeve member partly enclosing the body member, and resiliently yielding means connecting said support and said sling or sleeve member and allowing substantially weightless movements of said body member to be performed at will when supported by said sleeve member, said resiliently yielding means including a lever pivoted at one end, means connecting the other end to the sling or sleeve member, a slidable sleeve upon said lever, the support having a longitudinal slot, a roller member movable in said slot, an extensible resilient

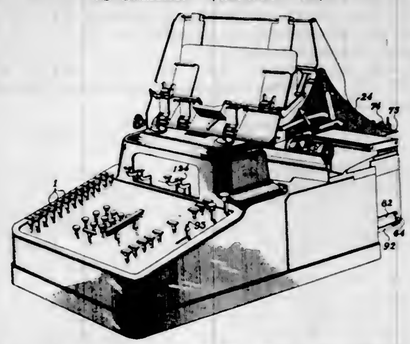


member connected at one end to said roller member and at the other to said slidable sleeve, a pair of spaced handle means for shifting said extensible resilient member toward either end of said lever and support, and means connecting said handle means to said roller member and slidable sleeve from respectively opposite directions so that manipulation of one handle means will oppose and neutralize adjustment effected by manipulation of the other handle means.

2,274,575
INSTALLMENT POSTING MACHINE

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application September 25, 1936, Serial No. 102,517
15 Claims. (Cl. 235—60)



15. In a machine of the class described, an amount retaining device, a second amount retaining device, means whereby one amount may be entered in one retaining device and another amount may be entered in the other retaining device, a traveling paper carriage, means, controlled by the carriage, and including subtraction mechanism and automatic operation mechanism to repeatedly deduct the amount retained in the second device from the amount retained in the

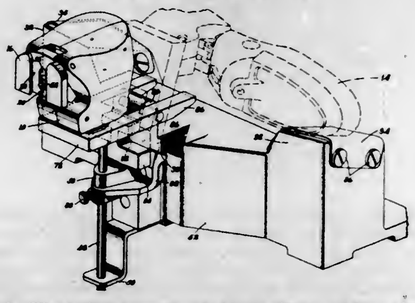
first device, once during each excursion of the carriage, and during continuous machine operation, means to print the balance of the amount retained in the first device after each deduction, and means to render the automatic operation mechanism ineffective after the printing means prints a balance smaller than the amount retained in the second device, and before it prints a negative balance.

2,274,576

SHOEMAKING METHOD

Fred Ashworth, Wenham, and Paul W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application July 24, 1940, Serial No. 347,170
12 Claims. (Cl. 12—142)



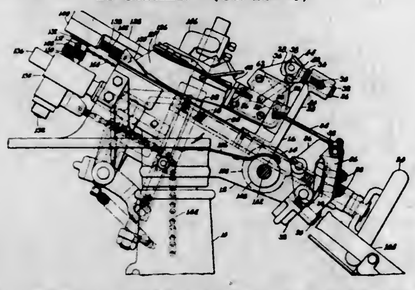
1. That improvement in methods of making shoes which comprises attaching a forepart form to a heel part form in a shoe machine, performing an operation on a shoe on the assembled forms, disengaging said forepart form together with said shoe from said heel part form, attaching said forepart form to a heel part form in a second shoe machine, and performing a further operation on the shoe.

2,274,577

LASTING MACHINE

Fred Ashworth, Wenham, and Paul W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application July 24, 1940, Serial No. 347,170. Divided and this application December 9, 1940, Serial No. 369,200
18 Claims. (Cl. 12—7)



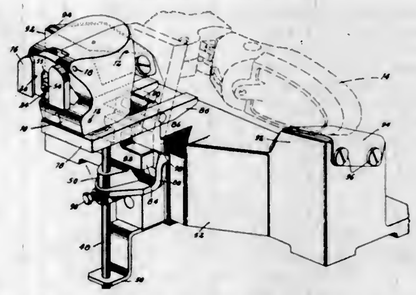
1. A lasting machine having, in combination, lasting means and means for operating said lasting means, a work support comprising a heel part form constructed and arranged to receive an interlocking forepart form, and means for securing a forepart form to said heel part form.

2,274,578

SHOEMAKING APPARATUS

Fred Ashworth, Wenham, and Paul W. Senfleben, Malden, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application July 24, 1940, Serial No. 347,170. Divided and this application February 6, 1941, Serial No. 377,702
20 Claims. (Cl. 12—1)



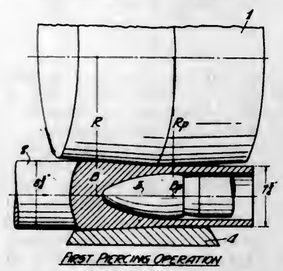
1. Shoemaking apparatus comprising a heel part form, a mounting on which said heel part form is secured for pivotal movement, and means for detachably securing a complemental forepart form to said heel part form.

2,274,579

METHOD OF PRODUCING SEAMLESS TUBES

Bryant Bannister and George J. Kirchner, Mount Lebanon, Pa., assignors to National Tube Company, a corporation of New Jersey

Application May 5, 1941, Serial No. 392,000
2 Claims. (Cl. 80—62)



1. A method of reducing the cross sectional area of previously pierced billets by helically advancing a pierced billet over a mandrel intermediately disposed between at least two metal working rolls, characterized by applying a progressively varying roll surface speed to said billet as its cross sectional area is reduced so that the numerical value of the formula

$$\frac{Rp \times B}{R \times Bp}$$

lies between a value that is greater than unity but does not exceed 1.25 wherein

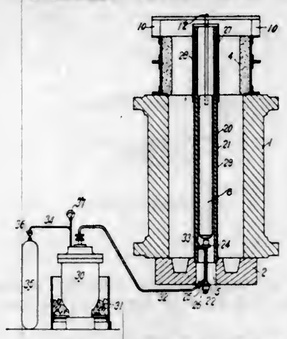
R=radius of roll at point where rolling commences
B=radius of billet at point where rolling commences
Rp=radius of roll at point where wall reduction ceases
Bp=radius of billet at point where wall reduction ceases.

2,274,580

PRODUCTION OF METAL CASTINGS

Richard William Bailey, Hale, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, a company of Great Britain, and English Steel Corporation Limited, Sheffield, England, a company of Great Britain

Application October 23, 1939, Serial No. 300,874
In Great Britain October 26, 1938
9 Claims. (Cl. 22—140)



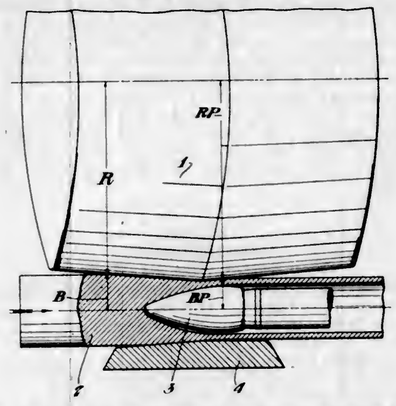
1. For making a hollow metal casting, a mould having a hollow core, a removable solid body disposed in the space within said core and removable from the latter during the formation of the casting, said body being adapted to to take up from the said core heat received by the latter from the casting, and an outer surface on said body, different parts of which surface are spaced from respectively adjacent parts of the boundary surface of said space by distances which vary along the core so that different rates of cooling of the casting are obtainable at different parts thereof along the core.

2,274,581

METHOD OF PRODUCING SEAMLESS TUBES

Bryant Bannister and George J. Kirchner, Mount Lebanon, Pa., assignors to National Tube Company, a corporation of New Jersey

Application December 20, 1939, Serial No. 310,252
2 Claims. (Cl. 80—62)



1. A method of piercing cylindrical billets by helically advancing a billet over a mandrel plug intermediately disposed between at least two metal working rolls, characterized by applying a progressively varying roll surface speed to said billet as its cross sectional area is reduced so that the numerical value of the formula

$$\frac{Rp \times B}{R \times Bp}$$

lies between a value that is greater than unity but does not exceed 1.25 wherein

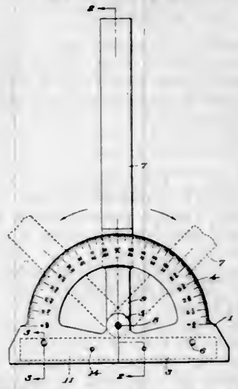
R=radius of roll at point where piercing commences
B=radius of billet at point where piercing commences
Rp=radius of roll at point where wall reduction ceases
Bp=radius of billet at point where wall reduction ceases.

2,274,582

PROTRACTOR

Albert G. Bauer, Pontiac, Mich.

Application April 2, 1941, Serial No. 386,540
7 Claims. (Cl. 33—75)



1. A protractor comprising a pair of spaced normally parallel sections, an arm pivotally mounted between the sections for adjustment relative thereto, means connecting the sections together for tilting movement of at least one section toward and away from the arm, and resilient means associated with the sections to bring about a clamping action thereof against the arm to hold the latter in adjusted positions.

2,274,583

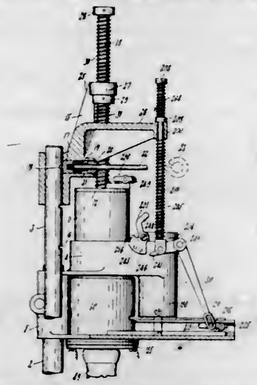
FEEDING MECHANISM FOR BOTTLE CAPPING MACHINES

Ewald G. Baum, Natick, Mass., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Original application February 5, 1936, Serial No. 62,469. Divided and this application December 2, 1939, Serial No. 307,293
7 Claims. (Cl. 226—92)

1. A machine of the class described, comprising a bottle support, a capping mechanism movable toward and from said support to cap a bottle thereon and to retract therefrom and be stopped in its capping motion by said bottle when in capping position, means including a yielding element actuable to feed a cap on the retraction of said mechanism, a member movable between a position preventing the actuation of said feeding means and a position permitting the actuation of said feeding means, an element movable with said mechanism for controlling the position of said member and operatively engaging said

member, said element having a portion operatively engaging said member only when said mechanism moves beyond normal capping position as when no bottle is present to move said member



into said preventing position, whereby on retraction of said mechanism from said position beyond normal capping position no cap is fed into capping position for a succeeding capping actuation of said mechanism.

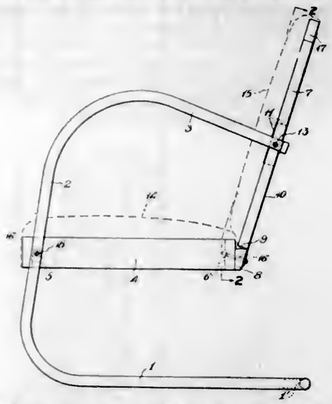
2,274,584
SOAP COMPOSITION
Hans Beller and John J. Owen, Baton Rouge, La., assignors to Jasco Incorporated, a corporation of Louisiana
No Drawing. Application September 10, 1937, Serial No. 163,248
2 Claims. (Cl. 252—109)

1. A laundry bar soap comprising a water-soluble, kettle-boiling soap obtained by saponifying a mixture of at least 50% by weight of natural fats and at least 5% by weight of fatty acids, manufactured by oxidizing solid paraffin hydrocarbons and having a boiling point range of from 150–280° C. at 8 mm. mercury pressure, a builder consisting of sodium silicate and sodium carbonate, and as a foam stabilizer at least 1% sodium pyrophosphate.

2,274,585
CHAIR
George E. Bishop, Cleveland Heights, Ohio
Application March 15, 1939, Serial No. 261,979
4 Claims. (Cl. 155—54)

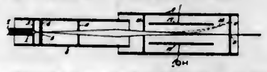
1. A chair comprising a resilient supporting member, seat and back members pivotally connected to the supporting member, a cross member secured to the seat member adjacent the bottom of the back member, the cross member and the back member having surfaces lying substantially in the same plane in the unstressed condition of the supporting member, and a flexible member secured to said surfaces, the back member being normally rearwardly inclined and having its bottom edge disposed adjacently above the top of the cross member and angular thereto so as to form a recess rearwardly of the seat member within which the lower portion of the back member may play according to the accommodation required between the seat and back members when the chair is occupied.

2. A pivotal mounting comprising the combination with a resilient chair support and a chair frame member, of a bolt passed through the support and the member and having a portion extended outwardly of the member upon which the support is journalled, a nut engaged by the bolt and imbedded in the member adjacent the face



of the latter opposite the support, and a sheath secured to said face of the member and holding the nut.

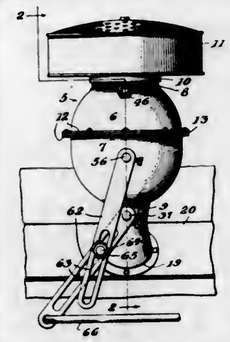
2,274,586
CATHODE RAY TUBE
Harry Branson, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 25, 1939, Serial No. 258,488
4 Claims. (Cl. 250—157)



1. In a cathode ray tube having a luminescent screen adapted to be excited by electron bombardment and having a source which emits particles including both electrons and undesired electrically-charged particles having different ratios of charge-to-mass from said electrons and tending deleteriously to affect said screen, apparatus for preventing such deleterious effect upon said screen, comprising an apertured barrier interposed between said source and said screen, means for forming at least said electrons into a beam having a minimum cross-section in the immediate vicinity of said barrier, said aperture corresponding substantially in cross-section to said beam at the interception of said beam by said barrier, and means for deflecting said particles to cause said electrons but not said undesired particles to pass through said aperture whereby said electrons but not said undesired particles are permitted to impinge upon said screen.

2,274,587
CARBURETOR
Roy Burton, Detroit, Mich.
Application December 3, 1940, Serial No. 368,380
1 Claim. (Cl. 261—50)

In a device of the character described, a casing formed at one end with a sleeve constituting a fuel mixing chamber adapted to be connected to the intake manifold of an engine and formed with a circumferential recess constituting a valve seat, a housing disposed within said casing in spaced relation with the inner face of said casing and coacting with said face to define an air chamber surrounding said housing and with said air chamber communicable with said mixing chamber, said housing provided at one end with liquid fuel supply means extending through said casing, a plurality of spaced inclined fins mounted within said casing and fixed to said housing for supporting the latter within said casing and for rotating air propelled through said fins for introduction into said mixing chamber, said housing provided with a liquid fuel filtering chamber and a liquid fuel passage for effecting communication between said filtering chamber and said mixing chamber, a valve disposed in said passage for controlling the introduction of liquid fuel from said passage into said mixing chamber, filtering means disposed within said filtering



chamber and interposed between said valve and liquid fuel supply means, said housing provided at the opposite end with a circumferential groove disposed in alignment with said valve seat, a valve assembly for controlling communication between said air chamber and said mixing chamber and comprising a cylindrical skirt having one end slidably mounted in said groove and the opposite end operable into and out of said valve seat, spring means connecting said skirt to said valve for urging said skirt and valve away from each other, and means connected between said valve and assembly for effecting unitary operation of said assembly and valve.

2,274,588
STABLE RUBBER HYDROCHLORIDE
William C. Calvert, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 30, 1934, Serial No. 755,389. In France January 19, 1934
2 Claims. (Cl. 260—735)

1. A transparent film composed essentially of rubber hydrochloride which is free from hydrogen chloride (hydrochloric acid) and which in addition contains alkaline material homogeneously dispersed in the rubber hydrochloride in amount sufficient to completely neutralize hydrogen chloride which may be formed in the film by decomposition and thereby maintain a non-acid condition in the film, said alkaline material being insufficently alkaline to react with the rubber hydrochloride or remove hydrogen chloride therefrom.

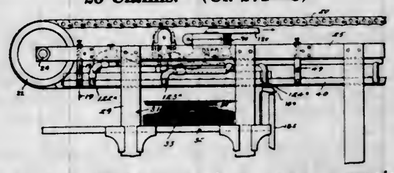
2,274,589
UNIVERSAL NOSE GRIP FOR EYEGLASSES
Earl M. Conneely, Horseheads, N. Y.
Application May 19, 1941, Serial No. 394,176
3 Claims. (Cl. 88—49)

1. A nose grip connection for eyeglasses comprising a spherical ball member formed on the eyeglass frame, a flat metal plate having integral inwardly curved upstanding arms at the edge thereof adapted to embrace the spherical ball



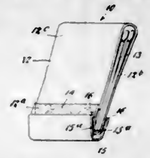
member and a nose grip attached to the flat metal plate.

2,274,590
SUCTION CONVEYING OR FEEDING APPARATUS
John Mason Cook, Arlington, Va.
Application November 4, 1940, Serial No. 364,312
28 Claims. (Cl. 271—5)



1. A flexible sheet moving means comprising an endless movable carrier having a plurality of openings, a stationary suction means disposed in a position to provide a constant suction through certain of said openings to thereby hold a sheet against said carrier and means intermittently cutting off suction to certain others of said openings.

2,274,591
MATCH BOOK BRACE
Henri Daniel, New York, N. Y.
Application December 11, 1940, Serial No. 369,536
5 Claims. (Cl. 206—29)

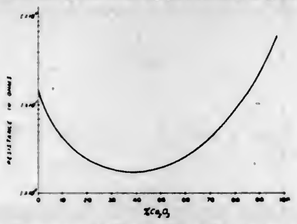


1. In combination with a book of matches having a wire stitch mounted through and holding the bottom portions of the cover and match sheets thereof together, a match book brace, comprising a V-shaped strip of rigid material of a length substantially equal to the width of said book of matches and mounted on the bottom portion thereof with its arm extending over the front and back portions of said wire stitch, and inturned edge portion on the edges of the arms of said V-shaped strip engaging over the front and back portions of said wire stitch for holding the V-shaped strip thereon.

2,274,592
RESISTANCE MATERIAL AND METHOD OF MAKING THE SAME
Ernest F. Dearborn, Yonkers, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,692
10 Claims. (Cl. 201—76)

1. A negative resistance-temperature coefficient resistance material consisting of oxides of nickel, manganese and cobalt, heat treated between 800° and 1450° C., the major portion of said

material comprising said oxides in combination, the metals being in the approximate proportions



corresponding respectively to 23 percent NiO, 47 per cent Mn_3O_4 and 30 per cent Co_2O_3.

2,274,593

GLUCAMINE SALTS OF AMINO-PHENYL-STIBONIC ACID

Robert Ludovic Despois, Choisy-le-Roi, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a company of France

No Drawing. Application March 23, 1938, Serial No. 197,599. In Germany April 1, 1937

6 Claims. (Cl. 260—211)

1. As a new chemical compound, the therapeutically active glucamine salt of p-amino-phenyl-stibonic acid.

2,274,594

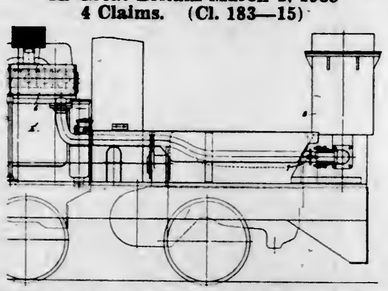
APPARATUS FOR REMOVING IMPURITIES FROM INTERNAL COMBUSTION ENGINE EXHAUST GASES

George Donington and Ernest Henry Fox, Lincoln, England, assignors to Ruston & Hornsby Ltd., Lincoln, England

Application November 20, 1939, Serial No. 305,408

In Great Britain March 1, 1938

4 Claims. (Cl. 183—15)



1. In apparatus for removing impurities from the exhaust gases of an internal combustion engine to which the apparatus is attached, the apparatus comprising a horizontally disposed chamber to contain water, a filter box having a bottom wall member disposed horizontally over said chamber, an upstanding partition member in said box, said box having inlet means in its bottom wall on opposite sides of the partition wall member, a removable container in the filter box on each side of the partition wall member suspended from the partition wall member and other parts of the box, said containers being disposed above said inlet means and open to the passage of gas therethrough, absorbent filtering material in said containers, a conduit constructed and arranged to discharge the exhaust gases from the internal combustion engine into contact with the water in said chamber to entrain water in such quantity and division as to condense on the filtering material to alone automatically maintain the moisture content of the filtering material approximately even, and a cover member disposed over the box, one of said members being formed to provide an opening to facilitate passage of gas from one side of the partition wall member to the other side in the discharge thereof.

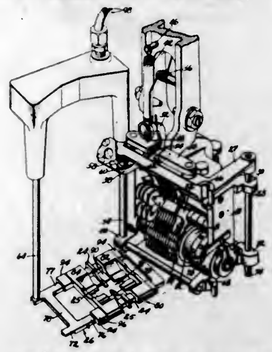
2,274,595

MARKING MACHINE

Charles E. Edwards, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 29, 1939, Serial No. 311,614

8 Claims. (Cl. 101—110)



8. In a marking machine, a printing head, a row of type mounted on the printing head, an auxiliary type supporting member for removably supporting auxiliary type pieces in nesting engagement with said row of type, and a substantially vertical rod at one corner of said type supporting member connecting said type supporting member to said printing head for pivotal movement about the axis of said rod and for substantially vertical sliding movement.

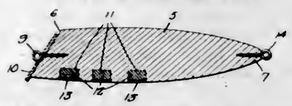
2,274,596

FISHING PLUG

Louis Richard Fink, Santa Rita, Mont.

Application September 25, 1939, Serial No. 296,486

1 Claim. (Cl. 43—46)



An artificial bait comprising an elongated longitudinally tapered plug body having the front relatively large end shaped to provide a flat angular head face, a hook pivotally connected to the reduced rear end portion of the body, a flat disk having a diameter corresponding to the diameter of the front face of the body positioned flat against the said face, the said plate having a plurality of apertures therethrough, a line attaching eye having a screw shank extended through an aperture in the plate and threaded longitudinally into the body through the front face thereof in a central position, the said apertures in the plate enabling adjustment of the latter to eccentric mounting on the front face, the bottom of the said body being provided with three longitudinally spaced sockets disposed between the transverse center of the body and the front face thereof, a metallic weight member fitted within each of the said sockets, and a cork disk fitted in flush arrangement in the outer end of each socket releasably holding the metallic weight therein.

2,274,597

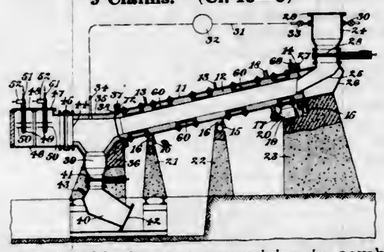
FURNACE FOR THE REDUCTION OF METALS

Henri Louis Gentil, Paris, France, assignor to Alloy Processes Limited, London, England, a British company

Application July 3, 1940, Serial No. 343,860

In Great Britain July 4, 1939

9 Claims. (Cl. 13—8)



1. A rotatable furnace comprising in combination an elongated vacuum-tight casing having an axis inclined to the horizontal, which casing is lined with refractory material, means to rotate the casing about said axis, exhausting means to withdraw gases from the interior of the casing so as to maintain it under vacuum, means to introduce material which is to be treated to the casing at the upper end and to remove residues from the lower end without breaking the vacuum, a condensing chamber in communication with the casing at the lower end and heating means within the casing to heat the space within the lining thereof and means to cool the condensing chamber.

2,274,598

IRONING TABLE TOP

Horace B. Fay and Thomas H. Fay, Willoughby, Ohio, assignors to Gridiron Steel Company, Cleveland, Ohio

Application July 25, 1941, Serial No. 404,078

4 Claims. (Cl. 38—137)



3. An ironing table top adapted to have legs attached thereto, said top consisting of a wooden board having one end restricted to form a nose portion and having a portion divided into longitudinally extending spaced strips, said top including transverse portions connected to said strips to hold the same in spaced relation, one of said members being at the rear of the board and the other intermediate the ends thereof, said spaced strips extending forwardly and rearwardly from the intermediate transverse member and terminating short of the nose to form an uncut portion carrying the forward end of the spaced strips, said cross members also acting as attaching members for said legs.

2,274,599

SOUND CONTROL

Michael W. Freeman, Detroit, Mich.

Application August 1, 1940, Serial No. 349,111

16 Claims. (Cl. 181—47)

1. A device of the character described comprising an elongated casing having an inlet opening at one end and an outlet opening at the other end, and a member in said casing having an inclined surface sloping inwardly and toward the exhaust end of said casing, the said surface being also generally helically inclined to the axis of said casing.



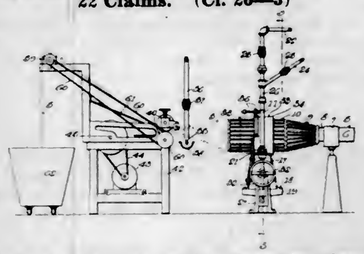
2,274,600

TUBULAR KNIT FABRIC SINGEING MACHINE

Spencer Booe Hanes, Winston-Salem, N. C., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C., a corporation of North Carolina

Application March 12, 1941, Serial No. 383,020

22 Claims. (Cl. 26—3)



16. In a machine of the character described, means for continuously feeding a tubular knitted fabrics, a skeleton spreader frame generally circular in transverse section and along and over which said fabric is fed for being spread so that its knit mesh will be laid open, and means disposed in uniformly spaced relation to all spread mesh portions of the traveling fabric throughout its circumference for directing open flame through said spread mesh portions for singeing the same.

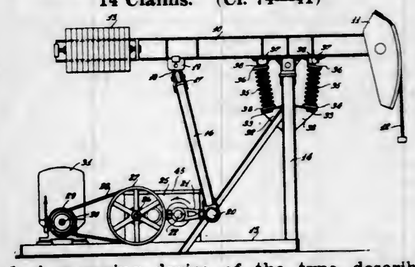
2,274,601

OIL WELL PUMPING UNIT

John M. Hartgering and Charles M. Perkins, Detroit, Mich., assignors to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application July 1, 1939, Serial No. 282,388

14 Claims. (Cl. 74—41)



1. A pumping device of the type described, consisting of a walking beam pivotally mounted between its ends upon a Samson post having at one end thereof means for connecting thereto a reciprocating pump plunger and at the other end counterbalancing means and driving means to actuate said walking beam, said device characterized by the combination with said walking beam of spring loading means mounted upon op-

posite sides of said Samson post in the path of travel of said walking beam but unattached thereto, each of said spring devices being alternately and automatically compressed by the action with said beam to counteract negative torque effects in said gear box driving means and to store in such spring means power ordinarily dissipated in the production of such negative torque effects and to automatically restore to the walking beam such stored power during the portion of the travel of such walking beam in which maximum positive torque is required.

2,274,602

PRESERVATION OF SEMIHARD RUBBER COMPOSITIONS

Ray O. Hendrix, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application July 25, 1940, Serial No. 347,477
16 Claims. (Cl. 260—808)

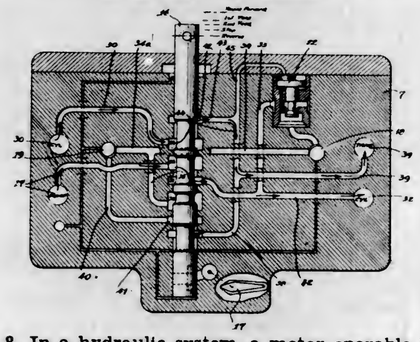
1. The method of retarding the deterioration of a semi-hard rubber composition which comprises treating the composition with an alkoxy-substituted diarylamine.

2,274,603

HYDRAULIC FEED CONTROL PANEL

Kenneth R. Herman, Ferris T. Harrington, and L. Raymond Twyman, Detroit, Mich., assignors to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Application July 26, 1937, Serial No. 155,652
12 Claims. (Cl. 60—52)



8. In a hydraulic system, a motor operable by the introduction of liquid under pressure, a line for conducting liquid under pressure to said motor, a line for conducting displaced liquid away from said motor, a member shifted by the motor, and means comprising a plurality of restricted orifices, each having a different degree of restriction, a hydrostatic flow control valve arranged to maintain a constant pressure drop across any member of said orifices, and valve means for controlling the direction of flow to and from the motor and for selectively connecting one or more of said orifices in series with said hydrostatic valve in one of said conducting lines to selectively increase the resistance of flow through said line depending on the number of orifices in series, and thereby decrease the rate of movement of the member.

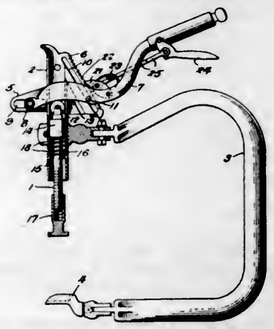
12. A unitary control panel for controlling the movements of a hydraulically operated machine tool slide to give rapid advance, feed, and rapid return movements to a hydraulic motor supplied with pressure fluid from a single source of the type which delivers fluid at a predetermined maximum rate or at whatever lesser rate it may be consumed and which is controlled solely by the pressure head against which fluid is delivered, said panel comprising in combination a valve block having only four outside connection ports including pressure and exhaust ports and a pair of motor ports, means in the block and governed solely by the fluid passing through the block for limiting fluid flow to a constant but adjustable feed rate under all variations of motor load, shiftable valve means in the block for selectively establishing flow paths between said ports and the flow limiting means to provide a rapid advance by connecting the pressure port to a motor port, a feed by connecting the pressure port to the same motor port and the exhaust port to the other motor port with the flow limiting means in one of said connections, a rapid return and a stop, and a single control member shiftable between four positions for operating said valve means.

2,274,604

VALVE LIFTER

Gies W. Hiley, Smithboro, N. Y.; Goldie E. Hiley administratrix of said Gies W. Hiley, deceased

Application April 5, 1940, Serial No. 328,102
4 Claims. (Cl. 74—518)



1. A power transmission mechanism comprising a rod member, an anti-friction bearing element at the upper end of the rod member, a tubular frame member mounted for upward and downward sliding movements on the rod member, a spring in said frame member normally acting to force the rod member upwardly in the frame member, arms projecting from opposite sides of the frame member, a lever, guiding means mounting the lever at one end to swing vertically and to slide horizontally on one of the arms, and guiding means mounting the lever at an intermediate point in its length to slide on the other arm in a plane inclined downwardly and outwardly from a level above the level of the first-named arm, said lever being free from connection with the rod member and having an arcuately curved surface contacting with said anti-friction bearing element and mounting it to swing vertically and shift longitudinally on the rod member at a point between its connections with said arms.

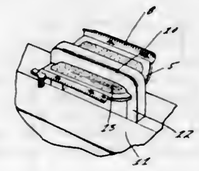
2,274,605

GRIPPING PAD FOR HANDLES

Roy Hoffmeister, Philadelphia, Pa.

Application January 30, 1941, Serial No. 376,705
1 Claim. (Cl. 16—110)

A hand grip pad for handles comprising a flat yieldable pad cover adapted for folding along its medial line for enclosing the handle between the posts of the handle and with the free edges of the cover positioned on top of the handle, a fastening device at the free edges of the cover for securing the same in position on the handle, a pair of resilient lining members secured to the inner surface of the cover with one edge of each member postiioned in spaced parallel relation to each



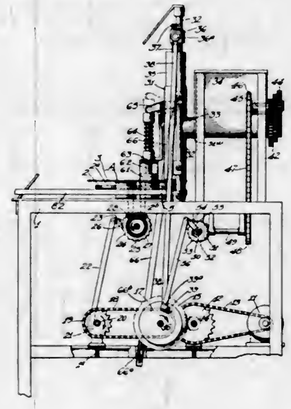
other at the fold line of the cover, said lining members being adapted to extend along the side of the handle and partly under the handle and notches at the end portions of the cover adapted for receiving the post of the handle, the ends of the cover at each side of the notches engaging opposite sides of the post to secure the pad in position against turning movement on the handle.

2,274,606

CAN PACKING MACHINE

Andrew L. Christiansen, Willowbrook, Calif.

Application January 17, 1939, Serial No. 251,359
5 Claims. (Cl. 226—101)



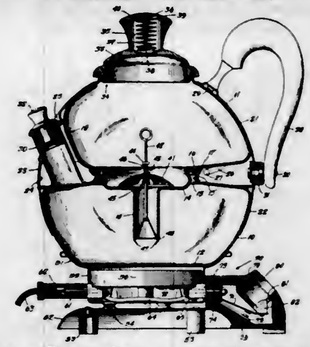
1. In a machine of the class described, a cylinder having a discharge opening at one end and an inlet opening spaced backwardly from said end, a product feeding means communicating with the inlet opening of the cylinder, a plunger reciprocally mounted in the cylinder and movable therein from the inlet opening toward the discharge opening, and a conveyor spaced from the discharge end of the cylinder for moving cans in spaced order past the discharge opening, said conveyor having cutting means for cutting off the portion of the product protruding through the discharge opening, as the cutting means is moved by the conveyor.

2,274,607

COFFEE MAKER

Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application August 14, 1940, Serial No. 352,539
17 Claims. (Cl. 219—43)



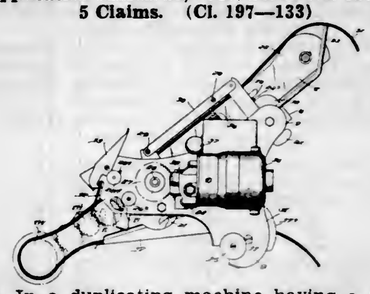
5. In a coffee maker, a support; a heating unit within said support and comprising electric resistance means; a vacuum type coffee maker comprising interconnected lower water and upper coffee bowls having the water bowl seated on said support and adapted to be heated by said heating unit; a pouring spout on said lower vessel; means for closing said spout, means on said support for receiving and storing said spout-closing means; a shunt circuit around a portion of said electric resistance means; and means within said storage means and actuated by the storage of said spout-closing means for closing said shunt circuit to shunt out a part of said electric resistance means whereby a high temperature is attained by the resistance means energized to quickly bring the water in the lower vessel to a boiling temperature.

2,274,608

ATTACHMENT FOR TABULATING MACHINES

Allen B. Cooke, Danville, Ill., assignor to United Autographic Register Co., a corporation of Illinois

Application March 29, 1940, Serial No. 326,737
5 Claims. (Cl. 197—133)



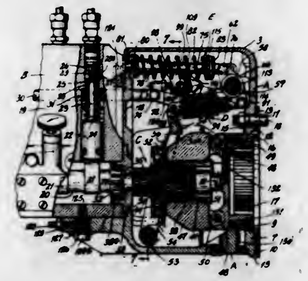
1. In a duplicating machine having a power driven platen roll and paper feed means geared to said platen roll for drawing continuous strips of stationery through writing position, a power booster for the paper feed means, comprising: an electric motor adapted to run continuously; and a frictional slip driving connection between said motor and platen roll adjusted to urge rotation constantly in the direction to advance the stationery, and means for controlling said rotation independently of the motor.

2,274,609

FUEL METERING AND TIMING GOVERNOR FOR INJECTION INTERNAL COMBUSTION ENGINES

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 6, 1939, Serial No. 298,270
15 Claims. (Cl. 123—140)



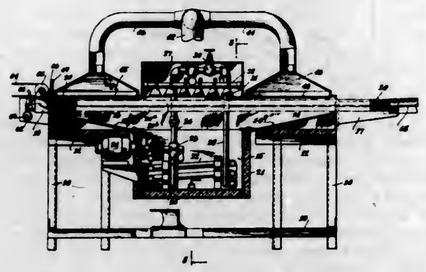
1. A fuel injection system for an internal combustion engine including a fuel injection pump having means for varying the quantity of the fuel injection, a shaft driven by said engine, a centrifugal governor driven by said shaft, an angularly adjustable coupling between said shaft and said pump and operable by said governor to automatically vary the time of said fuel injection in accordance with the speed of the engine throughout the entire speed range thereof, an operative connection between said coupling and said fuel quantity varying means whereby the latter is operable by said governor through said coupling and said connection to automatically vary the quantity of the fuel injection in accordance with the speed of the engine throughout the idling speed range and above the full load speed thereof only, and means for manually operating said fuel quantity varying means through said connection to vary the quantity of the fuel injection between idling and full load speeds of said engine.

2,274,610

APPARATUS FOR WAX TREATING PAPER DISKS AND THE LIKE

Carl W. Goodwin, Plainfield, N. J., and James E. Engel, Tottenville, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application May 1, 1940, Serial No. 332,644
1 Claim. (Cl. 91—55)



A device for wax treating paper disks or the like, comprising a casing forming a single elongated chamber having connecting central and end sections, screw conveyor means to advance a series of said disks in spaced, vertical edgewise position through said chamber and to continuously rotate said disk during said passage, a wax reservoir below said central section and open thereto, heating means in said reservoir to maintain the wax therein in liquid condition, a set of spray nozzles over said open reservoir, extending along the path of movement of said disks in said central section and positioned to direct a spray of liquid wax against said disks as they pass therethrough, the excess spray falling back directly into said reservoir, hoods over said end sections and means supplying heated air through said heads downwardly onto the disks in said sections for heating the same and for assisting in the return flow of the wax drippings along said sloping bottom members to said reservoir.

2,274,611

PRODUCTION OF CHLOROISOPRENE

Charles D. Hurd, Evanston, Ill., assignor to Commercial Solvents Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application May 23, 1940, Serial No. 336,715
9 Claims. (Cl. 260—654)

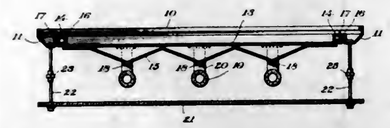
1. A process for the production of chloroisoprene, which comprises effecting reaction, in the liquid phase, in a reaction mixture in which the active components comprise essentially dimethylethynylcarbinol, and a hydroxyl-replacing chlorinating agent.

2,274,612

REFLECTOR AND FIXTURE

Harold S. Johnston, New Kensington, Pa.

Application August 4, 1939, Serial No. 288,467
1 Claim. (Cl. 240—78)



A fixture for fluorescent tubes, comprising a substantially rectangular shaped frame with its outer face having rectangular shaped recesses extending across the same adjacent the side edges, a reflector having convex corrugations engaging the frame and provided with flat faces beyond the corrugations engaging the frame, the side edges of the flat faces having rectangular inwardly extending side edges entering said rectangular recesses, and bolts passing through the said rectangular side edges and the bottom of said rectangular recesses.

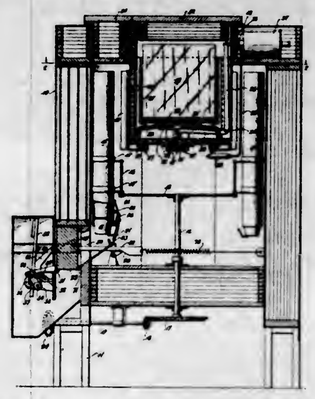
2,274,613

REFRIGERATION APPARATUS

Ernest B. Miller, Annapolis, Md., assignor to William Burnet Wright, Baltimore, Md.

Application March 4, 1939, Serial No. 259,921
5 Claims. (Cl. 62—91.5)

1. In apparatus of the character described comprising a container having a fixed metal bottom adapted to support solid carbon dioxide, a metal contactor plate movable into and out of contact with said bottom, a thermostat in the space to be refrigerated controlling such movement, and a heat transfer member in the space to be refrigerated, the improvement comprising



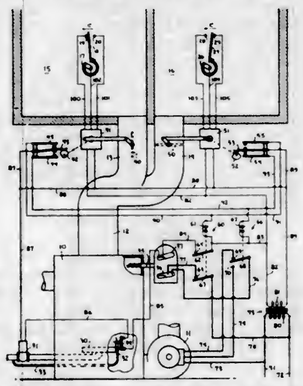
a flexible heat conductor connecting the plate and member.

2,274,614

AIR CONDITIONING SYSTEM

Clarence W. Nessell, Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 19, 1940, Serial No. 357,359
7 Claims. (Cl. 236—1)



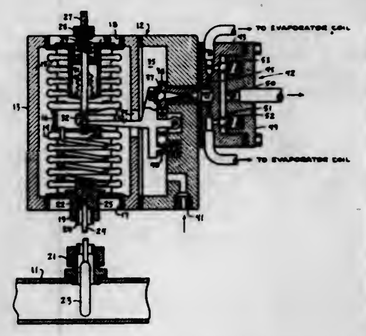
3. In a system for heating the air in two zones, in combination, a heater, ducts for conveying heated air from said heater to said zones, damper means in said ducts for individually controlling the delivery of air to each zone, separate motor means for operating the damper means of each zone, a thermostat in each zone for controlling the operation of said motor means, means for circulating air from said heater to said zones at two different rates of flow, a first relay controlling the energization of said circulating means, a second relay controlling the rate of flow at which said circulating means is operated, switch means associated with each said damper means and operated by said motor means so as to assume a first position when said damper means is open and a second position when said damper means is closed, an energizing circuit for said first relay including any of said switch means which is in its first position, and an energizing circuit for said second relay including any of said switch means which is in its second position.

2,274,615

AIR CONDITIONING SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original application May 6, 1938, Serial No. 206,411. Divided and this application August 5, 1939, Serial No. 288,609
3 Claims. (Cl. 62—8)



1. In a refrigeration system, in combination, an evaporator comprising a plurality of parallel passages for refrigerant, an expansion valve, a distributor device associated with said expansion valve, said distributor device comprising a relatively small chamber, means forming a venturi for conveying refrigerant from said expansion valve into said chamber, said venturi increasing the velocity of the refrigerant so as to discharge it into the chamber in a manner to create turbulence in said chamber sufficiently to prevent segregation of gaseous and liquid refrigerant in said chamber and means for providing communication between said passes and said chamber.

2,274,616

QUICK-SETTING VINYL COMPOSITIONS

James Wallace Raynolds, Pittsburgh, Pa., assignor to The Raolin Corporation, New York, N. Y., a corporation of West Virginia

No Drawing. Application January 19, 1938, Serial No. 185,785
7 Claims. (Cl. 260—86)

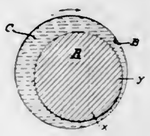
1. As a new composition of matter, a plastic vinyl chloride resin composition containing about 1 to 3 per cent, on the resin, of a thiuram sulfide adapted to accelerate curing at temperatures below 350° F.

2,274,617

LUBRICATING OIL COMPOSITION

Theron P. Remy, Los Angeles, Calif.

Application April 27, 1938, Serial No. 204,573
5 Claims. (Cl. 252—52)
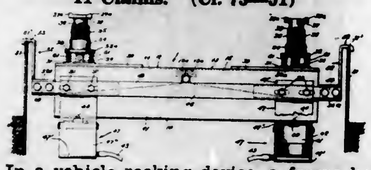


1. A lubricant consisting of a liquid petroleum lubricant carrying about 3% of a sterol to increase oil film strength and to prevent sludging.

2,274,615
CORE OIL
Theron P. Remy, Los Angeles, Calif.
No Drawing. Application September 28, 1938, Serial No. 232,129
10 Claims. (Cl. 22—183)

1. A core oil comprising a solution containing from 20% to 50% of a drying oil and the balance polymerized solid hydrocarbons dissolved in a solvent compatible with the drying oil.

2,274,619
VEHICLE ROCKING DEVICE
Willis A. Swan, Bridgeport, Conn., assignor to Arthur A. Johnson, Bridgeport, Conn.
Application April 22, 1938, Serial No. 203,623
11 Claims. (Cl. 73—51)

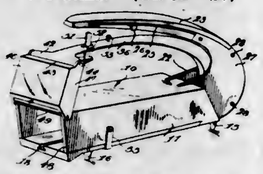


1. In a vehicle rocking device, a frame having pivoted thereon supporting members extending transversely of the vehicle to a position beneath the frame of said vehicle; vehicle frame-engaging means pivotally connected to the opposite ends of said supporting members and normally extending perpendicularly upward therefrom; means for pivotally moving the supporting members for rocking the vehicle, the pivotal connection of the frame-engaging means to the supporting members permitting the vehicle to sway an additional moment after the supporting members have reached the limit of their movement to prevent distortion to the frame of the vehicle; and means resisting movement of the frame-engaging means, the resistance of said means progressively increasing as the amplitude of movement of the frame-engaging means increases, said means returning the frame-engaging means to their normal position after the supporting members have reached the one limit of their movement and have started their return movement.

2,274,620
SUBSTITUTED ARYL AMIDES OF PYRIDINE CARBOXYLIC ACID
Lester J. Szabo, Cleveland, Ohio, assignor to S. M. A. Corporation, Chicago, Ill., a corporation of New Jersey
No Drawing. Application January 2, 1940, Serial No. 312,150
1 Claim. (Cl. 260—295)

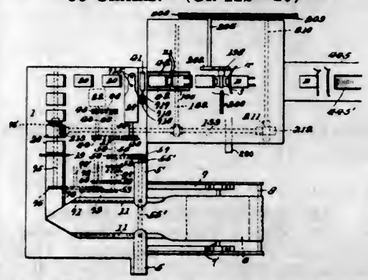
Nicotino-p-phenetidide.

2,274,621
BUTTER CUTTER
Carl R. Wahlstrom and Charles G. Wahlstrom, Redwood City, Calif.
Application January 15, 1941, Serial No. 374,576
7 Claims. (Cl. 31—20)



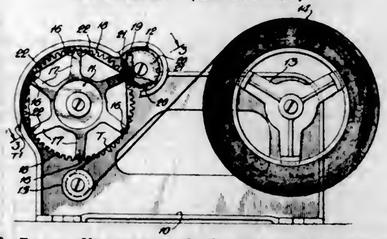
1. A device of the character described comprising a case having a butter chamber open at one end and including a guide means inclined to the longitudinal axis of the chamber, a follower in the chamber, means to move the follower step-by-step, a blade mounted for movement on said guide means across the said open end of the case and operative connections between said means to move the follower and the blade constructed and arranged to move the blade across the opening while the follower is moved a distance equal to the longitudinal spacing of the guide means at respective positions of the blade, with respect to said case.

2,274,622
BAG MAKING, STRINGING, AND TAGGING MACHINE
Edward E. West, Richmond, Va.
Application January 10, 1939, Serial No. 250,223
36 Claims. (Cl. 112—10)



1. A machine of the character described comprising a bag holder on which a bag is positioned for stringing, a pair of stringing needles and needle operating mechanism for entering the needles through the hems, means for successively threading a pair of threads in said needles on the forward and return strokes thereof, a pair of knotters for knotting each of said threads, means for supporting tags and gripping means operated simultaneously with one of said knotters for lowering a tag from said tag supporting means into the path of travel of said last mentioned knotter whereby the knot formed thereby secures the tag to the thread.

2,274,623
TAPE DISPENSER
William H. Hawkins, Stamford, Conn., assignor to Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York
Application August 6, 1941, Serial No. 405,609
23 Claims. (Cl. 164—68)

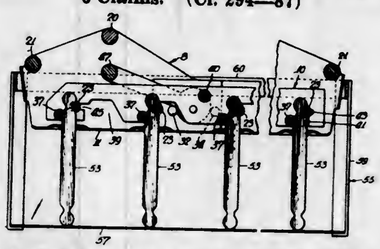


23. In a dispenser of the class described, a movable continuous feed member having a series of spaced feed surfaces to each of which is applied a continuous length of pressure adhesive tape through successive contact of said surfaces with said continuous length of tape incidental to movement of said feed member, a cutter having a cutter blade, a spring maintaining said cutter in a predetermined position with its blade out of the path of said feed surfaces, a series of cutter actuators on said feed member, there being one of said actuators for each feed surface, each of said actuators effecting the movement of said cutter whereby to bring the cutting blade against each of said feed surfaces whereby to sever the tape adhering to said feed surfaces, the continued movement of said feed member releasing the said cutter from said actuators after each severing operation for return to said predetermined position.

2,274,624
VAPOR PHASE ISOMERIZATION OF HYDROCARBONS
Frank M. McMillan, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 13, 1940, Serial No. 329,552
9 Claims. (Cl. 260—676)

2. In a process for isomerizing saturated hydrocarbons in the vapor phase with an aluminum chloride catalyst and hydrogen chloride, the steps comprising passing vapors of the hydrocarbon to be treated together with less than 10% by volume of hydrogen chloride under isomerizing conditions through a reaction zone containing a supported aluminum chloride catalyst, recovering hydrogen chloride from the reaction mixture, recycling said recovered hydrogen chloride through the reaction zone, and gradually increasing the concentration of hydrogen chloride in said reaction zone to a concentration greater than 10% by volume as the catalyst declines in activity.

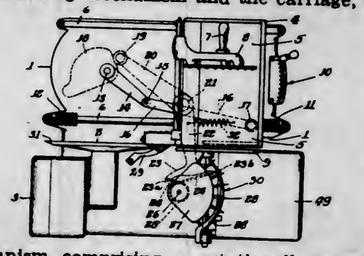
2,274,625
PORTABLE STICK HANDLING DEVICE
Norman M. Thomas, Medford Lakes, N. J., and Herman Siemund, Chicago, Ill., assignors to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application May 10, 1941, Serial No. 392,856
6 Claims. (Cl. 294—87)



1. A stick handling device comprising in combination a main frame structure and a separable secondary frame structure, said main frame structure having a plurality of spaced rows of spaced handle receiving means, a plurality of longitudinally spaced rods arranged in spaced relation to said handle receiving means and being vertically aligned with one side thereof, said secondary frame structure having a plurality of longitudinally spaced rods adapted to be interspaced with the rods of said main frame structure, the adjacent rods of each structure being disposed in different horizontal planes, and means for moving the rods relative to one another for varying the spacing therebetween.

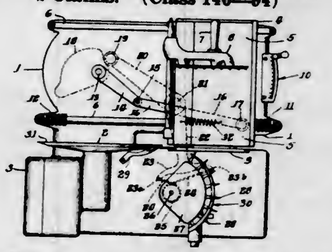
2,274,626
SLICING MACHINE
Cornelis F. M. van Berkel, Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application March 10, 1939, Serial No. 261,126
5 Claims. (Cl. 146—94)

1. A slicing machine comprising a base, guide rods carried by the base, a manually operated carriage mounted on said guide rods for movement thereon, means on the carriage for pushing and pulling the carriage by hand in a rectilinear path, a power driven rotary knife positioned in a plane substantially parallel to the movement of the carriage, a gauge plate positioned in a plane parallel to the slicing plane of said knife and the movement of said carriage, slice stacking mechanism, means operatively connected to the slice stacking mechanism and the carriage, said



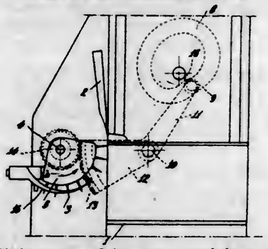
mechanism comprising a rotationally movable conveyor provided with slice engaging pins, a device adjacent the knife to press each successive slice on the pins, an operative connection between the carriage and conveyor whereby the conveyor is moved to-and-fro by the to-and-fro movement of the carriage, a discharge fly adjacent the conveyor and pivotally mounted on a part of the frame, an arm on the fly and engageable with a part on the carriage to tilt the fly, and a spring on the arm to return the fly.

2,274,627
SLICING MACHINE
Wilhelmus Adrianus van Berkel, Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application March 10, 1939, Serial No. 261,127
In the Netherlands March 12, 1938
2 Claims. (Class 146—94)



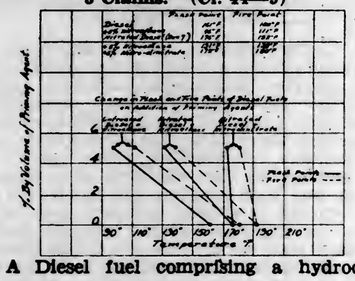
1. A slicing machine of the character described comprising a rotary slicing knife, a substance carriage reciprocable past said knife, a gauge plate extending in a plane substantially parallel with the plane of said knife and closely approaching the cutting edge of said knife, a rotary conveyor for receiving slices cut by said knife and moving the cut slices to a discharge position, and slice impaling prongs on said conveyor adapted to closely approach said cutting edge of the knife and extend into the plane of said gauge plate upon operation of the conveyor, said gauge plate being provided with slots arranged in said plane substantially parallel with the plane of the knife and providing spaces through which said prongs are adapted to pass upon operation of the conveyor and providing for adjustment of the gauge plate to vary the thickness of slice.

2,274,628
SLICING MACHINE
Adrianus van Duyn, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind.
Application December 2, 1938, Serial No. 243,611
In the Netherlands December 9, 1937
7 Claims. (Cl. 146—94)



1. A slicing machine comprising a knife, a substance-supporting carriage, crank-and-connecting rod mechanism for moving the carriage rectilinearly forwards past said knife and returning it therefrom, a slice conveyer rotatably mounted in proximity to the knife, and adapted to turn through a slice-taking zone, a conveyer-operating cam rotated unidirectionally in unison with the crank of said mechanism, a cam-lever rocked by said cam, an arcuate toothed member on said cam-lever, a gearwheel meshing with said toothed member and connected to said conveyer, and a slice-discharging fly pivotable in a slice-discharging position about an axis perpendicular to the line of movement of said carriage and adapted to discharge a slice from said conveyer in a direction opposite to the forward movement of the carriage, said cam being designed so that firstly the conveyer leads the carriage in forward motion of the conveyer towards said slice-taking zone, secondly the conveyer continues its forward motion throughout said slice-taking zone at the same speed as the carriage, and thirdly the conveyer leads the carriage in the return of the conveyer towards said slice-discharging position so as to reach said position before the carriage has completed its return movement.

2,274,629
NITRO-TYPE IGNITION PROMOTOR FOR DIESEL FUELS
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 4, 1939, Serial No. 265,910
5 Claims. (Cl. 44—9)

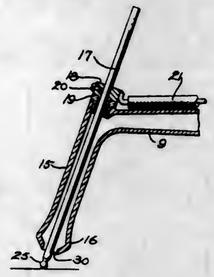


1. A Diesel fuel comprising a hydrocarbon Diesel fuel oil and a minor proportion of a liquid dinitrate ester of a nitrodihydroxy alcohol in which at least one of the carbon atoms joined to a nitrate group is a secondary carbon atom joined to an alkyl group, said dinitrate ester being present in an amount sufficient to improve the ignition qualities of the fuel.

2,274,630
PROCESS OF PREPARING NITROHYDROXY-HYDROCARBONS FROM HYDROCARBONS
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 11, 1940, Serial No. 334,643
2 Claims. (Cl. 260—635)

1. The process of producing nitrohydroxy-hydrocarbons, which comprises subjecting a gaseous paraffin to a controlled oxidation under conditions favoring the formation of aldehydes and simultaneously nitrating a gaseous paraffin to form nitrohydrocarbons, jointly controlling the temperatures of the oxidation and nitration reactions by heat exchange between materials undergoing said reactions, combining aldehyde and nitro-hydrocarbon products of said reactions and interacting said products in the presence of an alkali.

2,274,631
WELDING TORCH
Russell Meredith, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application January 4, 1941, Serial No. 373,157
4 Claims. (Cl. 219—15)



1. An open arc welding torch consisting of a hollow handle, a hollow nozzle angularly attached to said handle with the interior of said nozzle connected with the interior of said handle, and open at one end thereof, a conducting fitting insulated from said nozzle and closing the other end thereof, a refractory welding electrode slidable in said fitting and maintained thereby in axial relation to the interior wall of said nozzle with an annular space therebetween, with the end of said electrode projecting outside of said opening, an electrical conductor attached to said fitting, and a source of inert gas connected with the interior of said handle, the wall of said nozzle gradually flaring outward as said opening is approached, and then recurving axially to terminate at said opening to provide an enlarged portion of said annular space adjacent said opening.

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(Decisions of the United States Court of Customs and Patent Appeals are indicated by a star (*); and of the Supreme Court of the United States by the letter (*).)

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adams, Lawrence L., doing business as under the name L L's Antiseptic, Nashville, Tenn. Medicines for the relief of athlete's foot, eczema, burns, heat pimples, etc. Serial No. 437,671; Mar. 3. Class 6.

Aga Stove Company, Incorporated, Cranford, N. J. Solid fuel burning cooking stoves. Serial No. 449,442; Mar. 3. Class 34.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Corsets and brassières. Serial No. 447,553; published Mar. 3, 1942. Class 39.

Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. Serial No. 449,534; Mar. 3. Class 1.

American Metal Moulding Company, Irvington, N. J. Flexible armored cable for electrical use. Serial No. 448,716; Mar. 3. Class 21.

American Optical Company, Southbridge, Mass. Ophthalmic mountings, lenses, blanks for such lenses, etc. Serial No. 449,748; Mar. 3. Class 26.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes, toilet water, nail polish, and rouges. Serial No. 449,596; Mar. 3. Class 6.

Arrow, Bernard, Brooklyn, N. Y. Deodorants. Serial No. 439,009; Mar. 3. Class 6.

Auto-Rite Stationery Co., not Inc. (See Perlman, Herman.)

A'Vell's Co. (See Evington, Elva.)

Barnes, Reinecke & Rebholz, Chicago, Ill. Toy paperboard figures. Serial Nos. 448,776–7; Mar. 3. Class 22.

Barricini Inc., New York and Long Island City, N. Y. Non-alcoholic beverages. Serial No. 448,846; Mar. 3. Class 45.

Barricini Inc., New York and Long Island City, N. Y. Ice-cream, ices, pastries. Serial No. 448,845; Mar. 3. Class 46.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 449,249; Mar. 3. Class 42.

Black, Lester G., doing business as The Black Drill Co., Cleveland, Ohio. Metal drills and reamers. Serial No. 449,167; Mar. 3. Class 23.

Bon Marche, The. (See Allied Stores Corporation.)

Borden Company, The, New York, N. Y. Fluid milk. Serial No. 448,934; Mar. 3. Class 46.

Boyle, A. S., Company, The. (See Kant Rust Products Corporation, assignor.)

Buckeye Portable Tool Co., The, Dayton, Ohio. Manually supported motor units. Serial No. 447,994; Mar. 3. Class 23.

Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. Serial No. 449,122; Mar. 3. Class 42.

Charles of the Ritz, Inc., New York, N. Y. Lipstick and dry rouge. Serial No. 449,793; Mar. 3. Class 6.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Neckties, cravats, and scarfs. Serial No. 448,280; Mar. 3. Class 39.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Neckties. Serial No. 448,963; Mar. 3. Class 39.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Neckties. Serial No. 449,125; Mar. 3. Class 39.

Chicopee Sales Corporation, New York, N. Y. Babies' diapers, diaper outfits, and diaper pads. Serial No. 448,184; Mar. 3. Class 39.

Cobblers, Inc., Los Angeles, Calif. Shoes and slippers. Serial No. 449,829; Mar. 3. Class 39.

Constructions et Applications Radio-Electrolytiques, Paris, France. Antiseptic solution containing hypochlorite of sodium. Serial No. 428,279; Mar. 3. Class 6.

De Toledo Frères S. A. Pharmacie Principale, Geneva, Switzerland. Analgetic pharmaceutical products in the form of powders, syrups, pills, etc. Serial No. 439,015; Mar. 3. Class 6.

Dominion Corset Company, Limited, Quebec, Canada. Corsets, girdles, and brassières. Serial No. 443,247; Mar. 3. Class 39.

Dougherty's, J. A., Sons, Incorporated, Distillers, Philadelphia, Pa. Whiskey. Serial No. 438,040; Mar. 3. Class 49.

Dorgan Packing Corp., Mobile, Ala., and Biloxi, Miss. Canned shrimp. Serial No. 449,041; Mar. 3. Class 46.

Dyshel, Benjamin H., doing business as Victory Letter-Velope Co., Philadelphia, Pa. Letter heads, envelopes, and combined letter heads and envelopes. Serial No. 449,368; Mar. 3. Class 37.

Eastern-Columbia, Inc., Los Angeles, and Huntington Park, Calif. Photographic prints of furniture. Serial No. 448,757; Mar. 3. Class 38.

Electric Storage Battery Company, The, Philadelphia, Pa. Electric storage batteries or accumulators, their parts and supplies. Serial No. 449,225; Mar. 3. Class 21.

Ellison Insulations Limited, Perry Barr, Birmingham, England. Materials made wholly or in part from synthetic resinoids. Serial Nos. 444,140–4; Mar. 3. Class 1.

Everett, Silas K., New York, N. Y. Outer shirts, slacks, suits, etc. Serial No. 444,638; Mar. 3. Class 39.

Evington, Elva, doing business as A'Vell's Co., Chicago, Ill. Toilet preparations. Serial No. 435,124; Mar. 3. Class 6.

Farnam, F. D., doing business as F. D. Farnam & Co., Chicago, Ill. Paper and composition gaskets and gasketing tape. Serial No. 447,528; Mar. 3. Class 35.

Fleisher Yarns, Inc., New York, N. Y. Yarns. Serial No. 449,370; Mar. 3. Class 43.

Flintkote Company, The, New York, N. Y. Fiber insulation board. Serial No. 449,257; Mar. 3. Class 12.

Foster & Davies, Inc., Cleveland, Ohio. Reflectors, shades, and screens for electric lamps. Serial No. 439,197; Mar. 3. Class 34.

Fruit Industries, Ltd., San Francisco, Calif., Chicago, Ill., and Brooklyn, N. Y. Wines. Serial No. 448,133; Mar. 3. Class 47.

General Chemical Company, New York, N. Y. Metal polish in paste form. Serial No. 449,837; Mar. 3. Class 4.

Gerst, William, Brewing Co., Inc., The, Nashville, Tenn. Beer. Serial No. 448,904; Mar. 3. Class 48.

Glidden Company, The, Cleveland, Ohio. Phosphatides. Serial No. 449,735; Mar. 3. Class 6.

Goldberg Brothers, Denver, Colo. Moving picture reels. Serial No. 449,574; Mar. 3. Class 26.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Electric storage batteries. Serial No. 449,771; Mar. 3. Class 21.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Publications. Serial No. 448,557; Mar. 3. Class 38.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial No. 450,179; Mar. 3. Class 35.

Guild, L. W., Company, Inc., Boston, Mass. Worsted or woolen fabrics. Serial No. 449,134; Mar. 3. Class 42.

Hammett, A. B., Inc., Los Angeles, Calif. Girdles, panty girdles, corsets, etc. Serial No. 446,872; Mar. 3. Class 39.

Heinemeyer, Herman A., Roselle Park, N. J. Food nutrient having therapeutic properties. Serial No. 448,080; Mar. 3. Class 6.

Hill-Shaw Company, Chicago, Ill. Glass coffee brewers. Serial No. 449,736; Mar. 3. Class 13.

Holmes & Zucker Inc., New York, N. Y. Cotton, rayon, acetate and/or silk piece goods. Serial No. 449,550; Mar. 3. Class 42.

International Paper Company, New York, N. Y. Wrapping paper. Serial No. 449,457; Mar. 3. Class 37.

International Shoe Company, St. Louis, Mo. Inner soles for shoes. Serial No. 437,683; Mar. 3. Class 39.

Kant Rust Products Corporation, Rahway, assignor to The A. S. Boyle Company, Jersey City, N. J. Chemical solvent for increasing and improving the efficiency of lubricating oils. Serial No. 445,737; Mar. 3. Class 6.

Kelly, Henry, Importing & Distributing Co. Inc., New York, N. Y. Brandy. Serial No. 448,615; Mar. 3. Class 49.

Knox Company, The, Los Angeles, Calif. Medicinal preparations for the treatment of disorders of the liver and intestines, etc. Serial No. 448,054; Mar. 3. Class 6.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Sal soda, chlorite, and water softener. Serial No. 449,860; Mar. 3. Class 6.

La Marquise Slipper Co., Inc., New York, N. Y. Shoes and slippers. Serial No. 439,350; Mar. 3. Class 39.

Lanteen Medical Laboratories, Inc., Chicago, Ill. Preparation or product in tablet or powdered form for the purpose of making up any vitamin deficiency in the diet. Serial No. 449,774; Mar. 3. Class 6.

Letter-Velope Co. (See Dyshel, Benjamin H.)

Lingo, Wm. B., doing business as Medical Supply Company, St. Petersburg, Fla. Insecticides. Serial No. 448,867; Mar. 3. Class 6.

L L's Antiseptic. (See Adams, Lawrence L.)

Look, Inc., Des Moines, Iowa. Section of a magazine. Serial No. 439,721; Mar. 3. Class 38.

Lundberg, Eric, New York, N. Y. Table tennis balls. Serial No. 450,072; Mar. 3. Class 22.

Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes, cream rouge, eye shadow, rouge, etc. Serial No. 448,763; Mar. 3. Class 6.

Marshall Field & Company, Chicago, Ill. Lace curtains. Serial No. 449,255; Mar. 3. Class 42.

Mercury Corporation, The, Kansas City, Mo. Combination battery charging and testing apparatus. Serial No. 443,422; Mar. 3. Class 26.

Medical Supply Company. (See Lingo, Wm. B.)

Michaels, Stern & Company, Inc., Rochester, N. Y. Suits, topcoats, and overcoats. Serial No. 448,977; Mar. 3. Class 39.

Micromatic Hone Corporation, Detroit, Mich. Size control devices for determining radial operation of the tool of the honing machine. Serial No. 441,320; Mar. 3. Class 26.

Mitchell Manufacturing Company, Chicago, Ill. Fluorescent bed lamps. Serial No. 449,188; Mar. 3. Class 21.

Moneau Corp. of New York, New York, N. Y. Perfumes, toilet waters, and face lotions. Serial No. 449,528; Mar. 3. Class 6.

Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh vegetables. Serial No. 450,058; Mar. 3. Class 46.

National Carbon Company, Inc., New York, N. Y. Electric dry cells and dry cell batteries. Serial No. 448,980; Mar. 3. Class 21.

National Oil Products Company, Harrison, N. J. Fish oil or fish liver oil, etc. Serial No. 449,148; Mar. 3. Class 6.

Nevins Fruit Co., Inc., New York, N. Y. Fresh citrus fruits. Serial No. 446,888; Mar. 3. Class 46.

Novelty Press Inc., New York, N. Y. Publication of cartoons and editorial matter. Serial No. 449,149; Mar. 3. Class 38.

Ohio Rubber Company, The, Willoughby, Ohio. Dust and oil seals. Serial No. 442,966; Mar. 3. Class 35.

Onyx Oil & Chemical Company, Jersey City, N. J. Preparation for rendering textiles, fabrics, etc. materials water, stain, and perspiration resistant. Serial No. 449,912; Mar. 3. Class 6.

Orth, Ph., Co., Milwaukee, Wis. Icing. Serial No. 448,983; Mar. 3. Class 46.

Pan-American Distributing Co., Charlotte, N. C. Special purpose food for human consumption, containing rice bran, wheat, oat flour, etc. Serial No. 450,020; Mar. 3. Class 46.

Paramount Aquarium, Inc., New York, N. Y. Pet food products and aquarium products—namely, fish food. Serial No. 448,456; Mar. 3. Class 46.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, toilet waters, and face and talcum powders. Serial Nos. 449,055–7; Mar. 3. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, lipsticks, rouges, toilet waters, etc. Serial No. 449,060; Mar. 3. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, lipsticks, rouges, toilet waters, etc. Serial Nos. 449,063–4; Mar. 3. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, lipsticks, rouges, toilet waters, etc. Serial Nos. 449,386–7; Mar. 3. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of certain types of syphilis and related injections. Serial No. 450,315; Mar. 3. Class 6.

Parsons Paper Company, Holyoke, Mass. Bond, linen and ledger papers. Serial No. 448,167; Mar. 3. Class 37.

Pepsodent Co., The, Chicago, Ill. Toothbrushes and toothbrush bristles. Serial No. 449,395; Mar. 3. Class 29.

Perlman, Herman, doing business as Auto-Rite Stationery Co., not Inc., Chicago, Ill. Bond, ledger, and writing paper, envelopes, pencils, etc. Serial No. 449,291; Mar. 3. Class 37.

Petrol Corporation, The, Los Angeles, Calif. Petroleum products—namely, lubricating oil. Serial No. 449,354; Mar. 3. Class 15.

Petrol Corporation, The, Los Angeles, Calif. Petroleum products—namely, grease. Serial No. 449,355; Mar. 3. Class 15.

Philco Corporation, Philadelphia, Pa. Flowing brushes and pencil brushes. Serial No. 449,154; Mar. 3. Class 29.

Phoenix Closet Accessories, Inc., New York, N. Y. Garment bags, laundry bags, and shoe bags. Serial No. 448,953; Mar. 3. Class 2.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Vitamin capsules. Serial No. 450,077; Mar. 3. Class 6.

Raytheon Production Corporation, Newton, Mass. Electrical space discharge tubes. Serial Nos. 449,914–16; Mar. 3. Class 21.

Red-ee Foods, Inc., Los Angeles, Calif. Partly prepared applesauce. Serial No. 447,822; Mar. 3. Class 46.

Reid National Corn Company, Anamosa, Iowa. Hybrid seed corn. Serial No. 449,327; Mar. 3. Class 1.

Richards, Frederick G., New York, N. Y. Lamp masks, shades, and filters for blackout purposes. Serial No. 449,741; Mar. 3. Class 34.

Richardson Corporation, Rochester, N. Y. Root beer and syrup used in making root beer. Serial No. 447,491; Mar. 3. Class 45.

Rott, Edward H., Bogota, Columbia. Bi-monthly publication. Serial No. 446,827; Mar. 3. Class 38.

Schofield, John H., doing business as Schofield Hatchery, Peoria, Ill. Poultry. Serial No. 449,193; Mar. 3. Class 46.

Scott-Burr Stores Corporation, The, Chicago, Ill. Coats, dresses, hats, etc. Serial No. 448,528; Mar. 3. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Infants' dresses, suits, gowns, etc. Serial No. 448,660; Mar. 3. Class 39.

Serra, Arthur, and Co., Hollywood, Fla. Canned pineapple. Serial No. 448,531; Mar. 3. Class 46.

Steel Storage File Company, The, Cleveland, Ohio. Filing cabinets. Serial No. 412,312; Mar. 3. Class 32.

Tormey, Bello & Cia. Sociedad de Responsabilidad Limitada, Buenos Aires, Argentine. Cheese. Serial No. 449,971; Mar. 3. Class 46.

Tribune Company, Chicago, Ill. Newspaper column. Serial No. 449,362; Mar. 3. Class 38.

United Aircraft Corporation, East Hartford, Conn. Aircraft and parts thereof. Serial No. 447,526; Mar. 3. Class 19.

United States Plywood Corporation, New York, N. Y. Laminated constructions and plywood panels and sheets. Serial No. 449,195; Mar. 3. Class 12.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Extender for latex and dispersed rubber. Serial No. 449,363; Mar. 3. Class 6.

Walker-Gordon Laboratory Company, Inc., Plainsboro, N. J. Milking machines. Serial No. 449,947; Mar. 3. Class 23.

Wilhoits' Inc., Los Angeles, Calif. Knit wear—namely, sweaters. Serial No. 448,539; Mar. 3. Class 39.

Williams, R. C., & Company, Inc., New York, N. Y. Canned vegetables; fruits; fruit and vegetable juices; fish, shrimp, etc. Serial Nos. 437,425–7; Mar. 3. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Allen-Howe Manufacturing Company, Peabody, Mass. Apparatus for detecting leaks and the location of leaks in underground valves and pipe lines, etc. 393,777; Mar. 3; Serial No. 446,645; published Dec. 16, 1941. Class 26.

Allied Products Corporation, Detroit, Mich. Metal working machinery and tools. 393,827; Mar. 3; Serial No. 447,992; published Dec. 9, 1941. Class 23.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 152,653; renewed Mar. 7, 1942.

American Chain Company, Inc., New York, N. Y., and Bridgeport, by change of name, to American Chain & Cable Company, Inc., Bridgeport, Conn. Chains, loops, rings and hooks, etc. 154,861; renewed May 16, 1942.

American Crayon Company, The, Sandusky, Ohio. Paint. 393,765; Mar. 3; Serial No. 445,646; published Dec. 23, 1941. Class 16.

American Kardex Company, Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Indexes and filing devices. 151,068; renewed Jan. 24, 1942.

American Laundry Machinery Company, The, Norwood, Ohio. Laundry appliances and machines. 156,610; renewed June 20, 1942.

American Maize-Products Company, New York, N. Y. Solidified corn syrup. 393,792; Mar. 3; Serial No. 447,422; published Dec. 23, 1941. Class 46.

American Milk Products Corporation, New York, N. Y., by change of name to General Milk Company, Inc. Unsweetened evaporated milk. 151,663; renewed Feb. 14, 1942.

American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 393,810; Mar. 3; Serial No. 447,717; published Dec. 23, 1941. Class 46.

American Tobacco Company, The, New York, N. Y. Cigarettes and smoking tobacco. 393,781; Mar. 3; Serial No. 446,937; published Dec. 23, 1941. Class 17.

American Turners, Detroit, Mich. Ash trays, belt buckles, bracelets, etc. 393,750; Mar. 3; Serial No. 442,928; published Dec. 23, 1941. Class 28.

Anco Corporation, Pittsburgh, Pa. Matches. 393,734; Mar. 3; Serial No. 440,438; published Dec. 23, 1941. Class 9.

Artistic Lamp Manufacturing Co., Inc., New York, N. Y. Portable electric lamps. 393,840; Mar. 3. Class 21.

Atlantic Refining Company, The. (See Red "C" Oil Manufacturing Co., assignor.)

Atlantic Refining Company, The, Philadelphia, Pa. Furnace oils and fuel oils. 393,775; Mar. 3; Serial No. 446,558; published Dec. 9, 1941. Class 15.

Automatic Refrigerating Co., The, Hartford, Conn. Refrigerating systems and parts thereof. 156,580; renewed June 20, 1942.

Bajanova, Elizaveta, New York, N. Y. Face cream. 153,655; renewed Mar. 28, 1942.

Balfour, Arthur & Co. Limited, Sheffield, Eng. Steel and iron in certain forms, certain steels, and steel castings, forgings, and stampings. 154,874; renewed May 16, 1942.

Basket Fruits, Inc., Yakima, Wash. Fresh deciduous fruit. 393,752; Mar. 3; Serial No. 443,281; published Dec. 23, 1941. Class 46.

Bates, Don L., & Son, Middletown, N. Y. Fresh celery. 393,811; Mar. 3; Serial No. 447,719; published Dec. 23, 1941. Class 46.

Bigg, Thomas, Limited, London, England, assignor to William Cooper & Nephews, Incorporated, Chicago, Ill. Preparation for destroying parasites and for treating diseases in animals and plants. 144,703; renewed July 19, 1941.

Blackman, J. E., doing business as Hydrozo Products Company, Gering, Nebr. Colorless, penetrating, porefilling solution for waterproofing and preserving masonry and wood. 393,757; Mar. 3; Serial No. 445,085; published Dec. 9, 1941. Class 12.

Bleything Laboratories, The, Los Angeles, Calif. Tablets of concentrated foods. 393,724; Mar. 3; Serial No. 430,214; published July 2, 1940. Class 46.

Bol, Ltd., New York, N. Y. Cinematographic and photographic apparatus and accessories thereto. 393,753; Mar. 3. Serial No. 443,391; published Sept. 30, 1941 Class 26.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes for women. 154,505; renewed Apr. 18, 1942.

Buffalo Forge Company, Buffalo, N. Y. Heating and ventilating systems and parts thereof. 152,696; renewed Mar. 7, 1942.

Buffalo Forge Company, Buffalo, N. Y. Filters, air and gas, liquid filters, etc. 153,672; renewed Mar. 28, 1942.

Byington, Robert J., San Francisco, Calif. Electric-lighting fixtures, electric sad irons, and electric batteries. 151,441; renewed Feb. 7, 1942.

California Co-operative Canneries, San Jose, assignor to Tri-Valley Packing Association, San Francisco, Calif. Canned fruits. 155,941–2; renewed June 13, 1942.

Cann, H. E., Company, Inc., Baltimore, Md. Clear or colorless damppproofing, waterproofing fabric, asphalt trowel mastic, etc. 393,741; Mar. 3; Serial No. 441,761; published Dec. 9, 1941. Class 12.

Cary, Ralph S., & Co. Inc., Binghamton, N. Y., by change of name to Cary & Company, Inc. Children's clothing. 154,510; renewed Apr. 18, 1942.

Causse Manufacturing & Importing Co., Bound Brook, N. J. Preserved drained peel made from papaya fruit. 393,794; Mar. 3; Serial No. 447,454; published Dec. 23, 1941. Class 46.

Central Parlor Frame Mfg. Co., Inc., Chicago, Ill. Articles of furniture—namely, chairs, benches, settees, etc. 393,795; Mar. 3; Serial No. 447,507; published Dec. 23, 1941. Class 32.

Central Tobacco Company Inc., New York, N. Y. Cigarettes. 393,783; Mar. 3; Serial No. 447,058; published Dec. 23, 1941 Class 17.

Century Metalcraft Corporation, Chicago, Ill. Glassware. 393,819–20; Mar. 3; Serial Nos. 447,868–9; published Dec. 23, 1941. Class 33.

Chamberlain, Francis, Arlington, Mass. Navigators' altitude and azimuth computing apparatus. 393,764; Mar. 3; Serial No. 445,627; published Dec. 23, 1941 Class 26.

Charleston Sixth Vein Collieries Company, Dawson Springs, Ky. Coal. 393,767; Mar. 3; Serial No. 446,019; published Dec. 23, 1941. Class 1.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Fabrics of silk and silk mixtures in the piece. 393,892; Mar. 3; Serial No. 447,686; published Dec. 2, 1941. Class 42.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Woven, knitted, netted, textile and pile fabrics in the piece. 393,803–4; Mar. 3; Serial Nos. 447,687–8; published Dec. 2, 1941. Class 42.

Cheney Brothers, Manchester, Conn , and New York, N. Y. Fabrics of silk and silk mixtures in the piece. 393,805–8; Mar. 3; Serial Nos. 447,689–92; published Dec. 2, 1941. Class 42.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Woven, knitted, netted, textile, and pile fabric in the piece. 393,809; Mar. 3; Serial No. 447,694; published Dec. 2, 1941. Class 42.

Chicago Mail Order Company, Chicago, Ill. Sheets, sheeting, pillow cases, pillow tubing, ticking, ticks, and bed spreads. 393,815; Mar. 3; Serial No. 447,796; published Dec. 9, 1941. Class 42.

Children's Products Company. (See Hecht, George J.)

Chiron, H., Co., Inc., New York, N Y. Reeds for musical instruments. 393,728; Mar. 3; Serial No. 438,376; published Dec. 9, 1941. Class 36.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics in the piece. 393,796; Mar. 3; Serial No. 447,538; published Nov. 25, 1941. Class 42.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Artificial and imitation gems. 393,721; Mar. 3; Serial No. 424,682; published Dec. 23, 1941. Class 28.

Combustion Engineering Company, Inc., New York, N. Y., doing business as Raymond Pulverizer Division, Combustion Engineering Company, Inc., Chicago, Ill. Members subject to abrasion in grinding apparatus. 393,830; Mar. 3; Serial No 448,075; published Dec. 23, 1941. Class 23.

Conco Corporation, Mendota, Ill. Coal stokers, oil burners, and coal furnaces, etc. 393,823; Mar. 3; Serial No. 447,933; published Dec. 23, 1941. Class 34.

Continental Lithograph Corporation, Cleveland, Ohio. Black light equipment, ultra violet lamps, and poultry lamps. 393,758; Mar. 3; Serial No. 445,258; published Dec. 16, 1941. Class 21.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven woolen and worsted cloths, jersey cloths, eiderdowns, etc. 393,770; Mar. 3; Serial No. 446,265; published Nov. 25, 1941. Class 42.

Cook Laboratories, Inc., New York, N. Y. Hypodermic needles and syringes. 393,850; Mar. 3 Class 44.

Coon, W. B., Co., Rochester, N. Y. Boots, shoes, and slippers. 154,520; renewed Apr. 18, 1942.

Cooper, William, & Nephews, Incorporated. (See Bigg, Thomas, Limited, assignor.)

Corn Products Refining Company, New York, N. Y Highly converted corn syrup. 393,831; Mar. 3; Serial No. 448,094; published Dec. 23, 1941. Class 46.

Cosmetic Aids, Inc., New York, N. Y. Cosmetic removing pads. 393,845; Mar. 3 Class 29.

Cramerton Mills, Inc., Cramerton, N. C. Cotton, rayon, and woolen fabrics. 393,817; Mar. 3; Serial No. 447,838; published Dec. 9, 1941. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece made of cotton, silk, rayon, etc. 393,787; Mar. 3; Serial No 447,324; published Nov. 25, 1941. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 393,791; Mar. 3; Serial No. 447,389; published Nov. 25, 1941. Class 42.

Crown Fabrics Corporation, New York, N. Y. Silk, satin, rayon, and cotton fabrics, and mixtures thereof, in the piece. 393,762; Mar. 3; Serial No. 445,520; published Dec. 9, 1941. Class 42.

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures, particularly fluorescent industrial fixtures. 393,836; Mar. 3; Serial No. 448,246; published Dec. 23, 1941. Class 21.

Dentists' X-Ray Film Co. (See Herman, Esther.)

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw sets, and screw drivers. 155,221; renewed May 23, 1942.

Dow Chemical Company, The, Midland, Mich. Thermoplastic synthetic resins. 393,786; Mar. 3; Serial No. 447,284; published Dec. 23, 1941. Class 1.

Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strip formed of, etc. 393,818; Mar. 3; Serial No. 447,840; published Dec. 9, 1941. Class 21.

Dunn, W. E., Manufacturing Company, Holland, Mich. Concrete building blocks. 393,744; Mar. 3; Serial No. 442,523; published Dec. 9, 1941. Class 12.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuff intermediates. 152,156; renewed Feb. 21, 1942.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic lenses. 393,748; Mar. 3; Serial No. 442,839; published Dec. 23, 1941. Class 26.

Edwards, Ellis H., White Plains, N. Y. Vaginal diaphragm inserter. 393,784; Mar. 3; Serial No. 447,181; published Dec. 23, 1941. Class 44.

Eisenlohr, Otto, & Bros., Inc., Philadelphia, Pa. Razor blades. 393,722; Mar. 3; Serial No. 428,025; published Dec. 16, 1941. Class 23.

Emerson Radio and Phonograph Corporation, New York, N. Y. Phonographs, and radio phonograph combinations. 393,793; Mar. 3; Serial No. 447,435; published Dec. 23, 1941. Class 36.

Erath Company, The. (See Vandaveer, Heber C.)

Erwin Cotton Mills Company, The, Durham, N. C. Sheets, pillow cases, sheetings, etc. 393,785; Mar. 3; Serial No. 447,232; published Nov. 25, 1941. Class 42.

Etelson, Morton, New York, N. Y. Fur skins and pelts. 393,747; Mar. 3; Serial No. 442,749; published Dec. 23, 1941. Class 1.

Firestone Tire & Rubber Company, The, Akron, Ohio. Gas and electric ranges. 393,834; Mar. 3; Serial No. 448,132; published Dec. 23, 1941. Class 34.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 393,789–90; Mar. 3; Serial Nos. 447,367–9; published Nov. 25, 1941. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 393,797; Mar. 3; Serial No. 447,542; published Nov. 25, 1941. Class 42.

Fralick, Clayton, doing business as Lanonite Co. of America, Milwaukee, Wis. Cast stone used only as construction material. 393,779; Mar. 3; Serial No. 446,778; published Dec. 9, 1941. Class 12.

Franklin Simon & Co. Inc., assignor to Franklin Simon & Co., Inc., New York, N. Y. Articles of clothing. 156,249; renewed June 20, 1942.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive diazotype papers, cloths, films, etc. 393,828; Mar. 3; Serial No. 448,001; published Dec. 23, 1941. Class 26.

General Electric Company, Schenectady, N. Y. Outlet boxes and fittings. 151,489; renewed Feb. 7, 1942.

General Milk Company, Inc. (See American Milk Products Corporation.)

Gilcrest Early Potato Association, Inc., Gilcrest, Colo. Potatoes. 393,780; Mar. 3; Serial No. 446,835; published Dec. 16, 1941. Class 46.

Graton & Knight Company, Worcester, Mass. Loom supplies—namely, pickers. 393,756; Mar. 3; Serial No. 443,882; published Dec. 23, 1941. Class 23.

Graton & Knight Company, Worcester, Mass. Loom supplies—namely, check straps, flat mill strapping, box plate straps, etc. 393,768; Mar. 3; Serial No. 446,024; published Dec. 9, 1941. Class 23.

Greenabaum Bros., Inc., Seaford, Del., assignor to E. Pritchard, Inc., Bridgeton, N. J. Catsup and chilli sauce. 151,786; renewed Feb. 14, 1942.

Greenabaum Bros. Inc., Seaford, Del., assignor to E. Pritchard, Inc., Bridgeton, N. J. Tomato catchup, chili sauce, and canned pork and beans. 156,679; renewed July 11, 1942.

Groover-Stewart Drug Company, The, Jacksonville, Fla., assignor to McKesson & Robbins, Inc., New York, N. Y. Insecticides for flies, mosquitoes, etc. 153,739; renewed Mar. 28, 1942.

Hatfield Campbell Creek Coal Company. (See Ryley, C. L., Coal Company, assignor.)

Heat Transfer Products, Inc., New York, N. Y. Fuel oil heaters, jacket water coolers, condensers, and evaporators. 393,771; Mar. 3; Serial No. 446,394; published Dec. 23, 1941. Class 34.

Hecht, George J., doing business as Children's Products Company, New York, N. Y. Fabrics of cotton, rayon, wool, etc. 393,776; Mar. 3; Serial No. 446,627; published Nov. 25, 1941. Class 42.

Heidelberger Confectionery Co., Philadelphia, Pa. Chocolates. 156,875; renewed July 18, 1942.

Herman, Esther, doing business as The Dentists' X-Ray Film Co., New York, N. Y. Dental X-ray films. 393,816; Mar. 3; Serial No. 447,806; published Dec. 23, 1941. Class 26.

Herzog, Moses, New York, N. Y. Hair nets. 156,293; renewed June 20, 1942.

Howland, John W., Middleton, Idaho, assignor to J. W. Howland, Denver, Colo. Ready-mixed paints. 151,336; renewed Jan. 31, 1942.

Hurty-Peck & Company, Indianapolis, Ind. Maltless beverage sold as a soft drink and sirup for manufacturing said beverage. 15,881; renewed July 18, 1942.

Huyck, F. C., & Sons, Albany and Rensselaer, N. Y. Bed blankets of textile fabrics. 393,723; Mar. 3; Serial No. 429,981; published Nov. 25, 1941. Class 42.

Hydrozo Products Company. (See Blackman, J. E.)

Innis, Speiden & Co., Inc., assignor to Innis, Speiden & Co., New York, N. Y. Soap and benzene soap. 155,722; renewed June 6, 1942.

International Paper Company, New York, N. Y. Wrapping paper other than wax or paraffin paper. 393,761; Mar. 3; Serial No. 445,497; published Dec. 23, 1941.

Ivoroid Mixed Paint Company, Newark, N. J. Paints, paint enamels, and varnishes. 154,980; renewed May 16, 1942.

Johnson-Layne Coffee Company, The, assignor to Norwine Coffee Company, St. Louis, Mo. Coffee. 156,884; renewed July 18, 1942.

Juvenile Shoe Corporation of America, The, Carthage, to The Juvenile Shoe Corporation of America, Aurora and St. Louis, Mo. Boots and shoes of leather. 154,590; renewed Apr. 18, 1942.

Kalart Company Inc., The. (See Kidner, Charles E., assignor.)

Kason Hardware Corporation, New York, N. Y. Gaskets. 393,763; Mar. 3; Serial No. 445,581; published Dec. 23, 1941. Class 35.

Katz & Ogush, Inc., New York, N. Y. Jewelry. 156,695; renewed July 11, 1942.

Kidner, Charles E., assignor to The Kalart Company Inc., New York, N. Y. Attachment for cameras. 393,745; Mar. 3; Serial No. 442,529; published Dec. 23, 1941. Class 26.

Kimble Glass Company, Vineland, N. J. Chemical and laboratory glassware. 393,743; Mar. 3; Serial No. 442,197; published Dec. 23, 1941. Class 26.

Klein Chocolate Company, Inc., Elizabethtown, Pa. Milk chocolate. 393,746; Mar. 3; Serial No. 442,663; published Dec. 23, 1941. Class 46.

Kopf, Martin C., Milwaukee, Wis. Medicinal powder for rheumatism, gout, etc. 155,737; renewed June 6, 1942.

Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory material in the condition of an air-setting plastic. 393,754; Mar. 3; Serial No. 443,609; published Dec. 9, 1941. Class 12.

Lacto-Vee Products Co., Dayton and New Carlisle, Ohio. Blend of proteins, vitamins, iodine, and minerals used in the preparation of poultry rations, turkey and duck feed, etc. 393,821; Mar. 3; Serial No. 447,913; published Dec. 16, 1941. Class 46.

Langley & Michaels Co., San Francisco, Calif., assignor, by mesne assignments, to McKesson & Robbins, Inc., New York, N. Y. Extracts and flavoring sirups for soft drinks, and root beer. 152,854; renewed Mar. 7, 1942.

Lanonite Co. of America. (See Fralick, Clayton.)

Lash, Bert J., Spokane, Wash. Sensitized photographic film. 393,729; Mar. 3; Serial No. 439,392; published Dec. 23, 1941. Class 26.

Lathers, Matthew F., Orlando, Fla. Game. 393,812; Mar. 3; Serial No. 447,743; published Dec. 23, 1941. Class 22.

Lefkowits, Louis, & Bro., Inc., New Brunswick, N. J. Camera case. 393,759; Mar. 3; Serial No. 445,268; published Dec. 16, 1941. Class 26.

Liberty Glass Company, The, Sapulpa, Okla. Glass bottles. 393,813; Mar. 3; Serial No. 447,745; published Dec. 23, 1941. Class 33.

Locke Insulator Corporation, Baltimore, Md. Insulators for high tension insulation. 393,782; Mar. 3; Serial No. 446,950; published Dec. 9, 1941. Class 21.

Magnet Cove Barium Corporation, Malvern, Ark., and Jamestown, Tenn. Ground barytes. 393,755; Mar. 3; Serial No. 443,638; published Dec. 23, 1941. Class 1.

Malalana, Vincent, doing business as Phast Products, New York, N. Y. Cleaning polish for automobiles and furniture. 393,844; Mar. 3. Class 16.

McKesson & Robbins, Inc. (See Groover-Stewart Drug Company, assignor.)

McKesson & Robbins, Inc. (See Langley & Michaels Co.)

Merck & Co., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Medicinal dye in the form of powder, crystals, tablets, and pencils. 151,544; renewed Feb. 7, 1942.

Merck & Co., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J., Hexamethylenamine in the form of powder and tablet. 152,230; renewed Feb. 21, 1942.

Merck & Co., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Tablets for preparing hydrogen-peroxide solution. 154,097; renewed Apr. 4, 1942.

Miller, Edwin B. (See Sawyer, Allen, and Edwin B. Miller.)

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. 393,814; Mar. 3; Serial No. 447,754; published Dec. 23, 1941. Class 46.

Morris White Fashions, Inc., New York, N. Y. Ladies' handbags. 393,849; Mar. 3. Class 3.

Moxie Company, The, assignor to The Moxie Company, Boston, Mass. Candies. 156,355; renewed June 20, 1942.

Nash Coffee Company, assignor to Nash-Finch Company, Minneapolis, Minn., successor. Coffee. 156,895; renewed July 18, 1942.

National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Ice-cream cones. 151,885; renewed Feb. 14, 1942.

National Biscuit Company. (See Pacific Coast Biscuit Company.)

National Fruit Flavor Co., assignor to National Fruit Flavor Company, Inc., New Orleans, La. Flavoring extracts for non-alcoholic beverages sold as soft drinks. 156,896; renewed July 18, 1942.

National Lead Company, New York, N. Y. Starch product for use in the preparation or treatment of well drilling fluids. 393,738; Mar. 3; Serial No. 441,482; published Dec. 9, 1941. Class 12.

New York Eye Protection Co., Inc., New York, N. Y. Glass lenses for eye protection. 393,760; Mar. 3; Serial No. 445,363; published Dec. 9, 1941. Class 26.

Nixon, Stuart & Barker. (See Sawyer, Allen, and Edwin B. Miller.)

Norwine Coffee Company. (See Johnson-Layne Coffee Company, The, assignor.)

Nu-Vision Optical Company, Flint, Mich. Ophthalmic lenses, eyeglasses, temples, etc. 393,839; Mar. 3. Class 26.

Pacific Coast Biscuit Company, Seattle, Wash., to National Biscuit Company, New York, N. Y., successor. Candies. 155,042; renewed May 16, 1942.

Paillard, E., & Cie, Societé Anonyme, Yverdon, Switzerland. Cameras of all types, meters, finders, etc. 393,838; Mar. 3. Class 26.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game of chance. 393,835; Mar. 3; Serial No. 448,205; published Dec. 23, 1941. Class 22.

Parsons Paper Company, Holyoke, Mass. Ledger and bond papers. 393,847; Mar. 3. Class 37.

Permo Products Corporation, Chicago, Ill. Phonograph styli. 393,832; Mar. 3; Serial No. 448,114; published Dec. 23, 1941. Class 36.

Peters Cartridge Company, The, Cincinnati, Ohio, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metallic cartridges. 153,277; renewed Mar. 14, 1942.

Phast Products. (See Malalana, Vincent.)

Pletz, Anna, Chicago, Ill. Medicine for goiter. 155,798; renewed June 6, 1942.

Pritchard, E., Inc. (See Greenabaum Bros., Inc., assignor.)

Quaker Oats Company, The, Chicago, Ill. Dog food. 393,829; Mar. 3; Serial No. 448,007; published Dec. 23, 1941. Class 46.

Rains, Anna E., Spokane, Wash. Machinery packing. 393,751; Mar. 3; Serial No. 442,973; published Dec. 23, 1941. Class 35.

Raymond Pulverizer Division, Combustion Engineering Company. (See Combustion Engineering Company.)

Red "C" Oil Manufacturing Co., Baltimore, Md., assignor, by mesne assignments, to The Atlantic Refining Company, Philadelphia, Pa. Lubricating oils, gasoline, and lubricating greases. 155,002; renewed May 16, 1942.

Reliance Manufacturing Company, assignor to Reliance Manufacturing Company, Chicago, Ill. Boys' blouses, shirts, and play suits. 155,807; renewed June 6, 1942.

Remington Arms Company, Inc. (See Peters Cartridge Company, The, assignor.)

Remington Rand Inc. (See American Kardex Company, assignor.)

Reynonds & Reynolds Co., The, Dayton, Ohio. Accounting forms. 393,735–6; Mar. 3; Serial Nos. 440,732–3; published Dec. 23, 1941. Class 37.

Rhodes, James H., & Company, Chicago, Ill. House organ. 153,513; renewed Mar. 21, 1942.

Richardson Rod & Reel Co., Chicago, Ill. Fishing rods, fishing reels and fish landing nets. 393,725; Mar. 3; Serial No. 431,224; published Dec. 23, 1941. Class 22.

Riedel & Co., Inc., New York, assignor, by mesne assignments, to Riedel & Co., Inc., Brooklyn, N. Y. Medicinal preparation for use in gonorrhea, etc. 156,044; renewed June 13, 1942.

Rocchietta, Camillo, Pinerolo, to Camillo Rocchietta, Turin, Italy. General tonic. 152,260; renewed Feb. 21, 1942.

Roddenbery, W. B., Co., Cairo, Ga. Table syrup, pickles, peanut butter, etc. 393,726; Mar. 3; Serial No. 433,989; published Dec. 3, 1940. Class 46.

Russell, F. C., Company, The, Cleveland, Ohio. Rock wool for insulation purposes, storm windows, combination screen and storm doors, etc. 393,739; Mar. 3; Serial No. 441,548; published Dec. 16, 1941. Class 12.

Ryley, C. L., Coal Company, Lexington, Ky., assignor, by mesne assignments, to Hatfield Campbell Creek Coal Company, Plymouth, W. Va. Coal. 151,223; renewed Jan. 24, 1942.

San Fernando Citrus Association, San Fernando, Calif. Fresh citrus fruit. 393,824; Mar. 3; Serial No. 447,955; published Dec. 16, 1941. Class 46.

Sawyer, Allen, and Edwin B. Miller, doing business as Nixon, Stuart & Barker, Peoria, Ill. Prophylactic rubber articles for the prevention of contagious diseases. 393,843; Mar. 3. Class 44.

Schwob, Adolphe, Inc., New York, N. Y., to Tavannes Watch Co., Tavannes, Switzerland. Watches, watch movements, dials and cases. 152,988; renewed Mar. 7, 1942.

Schwob, Adolphe., Inc., Nw York, N. Y., assignor to Tavannes Watch Co., Tavannes, Switzerland. Watches and watch movements, dials, and cases. 155,283; renewed May 23, 1942.

Sears, Roebuck and Co., Chicago, Ill Laundry washing machines. 393,742; Mar. 3; Serial No. 442,144; published Dec. 16, 1941. Class 24.

Sears, Roebuck and Co., Chicago, Ill. Paint brushes. 393,842; Mar. 3. Class 29.

Seeman Brothers, Inc., New York, N. Y. Vegetable juices. 393,825; Mar. 3; Serial No. 447,957; published Dec. 23, 1941. Class 46.

Simmons Electro-Mend, Inc., Chicago, Ill. Fabric patches adapted for mending and reinforcing wearing apparel, linen, and other fabrics. 393,766; Mar. 3; Serial No. 445,671; published Dec. 23, 1941. Class 5.

Solomons, Harry & Son, New York, N. Y. Ladies' hats. 156,927; renewed July 18, 1942.

Southern Brighton Mills, Shannon, Ga. Artificial silk in the piece. 393,798–9; Mar. 3; Serial Nos. 447,549–50; published Nov. 25, 1941. Class 42.

Startex Mill, Tucapau, S. C. Table cloths, napkins, kitchen towels and toweling. 393,801; Mar. 3; Serial No. 447,623; published Dec. 2, 1941. Class 42.

Syrup, pickles, peanut butter, etc., Table. W. B. Roddenbery Co. 393,726; Mar. 3; Serial No. 433,989; published Dec. 3, 1940. Class 46.

Taglilabue, Charles J., Mfg. Co., Brooklyn, N. Y. Indicating, recording, and controlling instruments of the potentiometric and wheatstone bridge types. 393,773; Mar. 3; Serial No. 446,471; published Dec. 16, 1941. Class 26.

Tavannes Watch Co. (See Schwob, Adolphe, Inc.)

Telesweets, Inc., Los Angeles, Calif. Candy. 393,769; Mar. 3; Serial No. 446,186; published Dec. 16, 1941. Class 46.

Texas Company, The, Houston, Tex., and New York, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Gasoline and motor-fuel oils. 153,021; renewed Mar. 7, 1942.

Texas Company, The, Houston, Tex., and New York, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Cylinder oils. 154,165; renewed Apr. 4, 1942.

Thomas & Betts Co., The, Elizabeth, N. J. Conduit bending tools for use in connection with bending and shaping conduit and tubing. 393,727; Mar. 3; Serial No. 439,244; published Dec. 23, 1941. Class 23.

Todd, E. M., Company, Inc. (See Young, Patrick, Company.)

Tollemache's Ipswich Brewery Limited, assignor to Tollemache's Breweries Ltd., Ipswich, England, successor. Fermented liquors and spirits. 151,264; renewed Jan. 24, 1942.

Tribble Cordage Mills Inc., Boston, assignor to Tribble Cordage Mills, Inc., Woburn, Mass. Clothesilnes. 151,366; renewed Jan. 31, 1942.

Tri-Valley Packing Association. (See California Co-operative Canneries, assignor.)

Tubbs Company, The, River Falls, Wis. Cleaning compound. 393,740; Mar. 3; Serial No. 441,649; published Dec. 23, 1941. Class 4.

Tuco Products Corporation, New York, N. Y. Construction materials. 156,073; renewed June 13, 1942.

Tuxedo Fruit Company, Fort Pierce, Fla. Fruits. 393,732–3; Mar. 3; Serial Nos. 440,074–5; published May 20, 1941. Class 46.

United Co-Operatives, Inc., Indianapolis, Ind. Metal roofing, metal stalls and stanchions, composition roofing, and shingles. 393,720; Mar. 3; Serial No. 421,679; published May 14, 1940. Class 12.

U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. 393,822; Mar. 3; Serial No. 447,919; published Dec. 9, 1941. Class 21.

United States Harmonica Corporation, Greenwich, Conn. Harmonicas. 393,749; Mar. 3; Serial No. 442,885; published Oct. 7, 1941. Class 36.

Universal Camera Corporation, New York, N. Y. Cameras, moving picture projectors, moving picture cameras. 393,841; Mar. 3. Class 26.

Vandaveer, Heber C., doing business as The Erath Company, Arlington, Tex. Insulating brick, fire-brick, plaster, etc. 393,848; Mar. 3. Class 12.

Velveray Corporation, New York, N. Y. Cotton, rayon, and silk piece goods. 393,772; Mar. 3; Serial No. 446,444; published Nov. 25, 1941. Class 42.

Victor Electric Products, Inc., Cincinnati, Ohio. Electric fans. 393,826; Mar. 3; Serial No. 447,991; published Dec. 9, 1941. Class 21.

Vivaudou, Jean, Company, Inc., New York, N. Y. Rouge, lipstick, face cream, face powder, etc. 393,846; Mar. 3. Class 6.

Ward Baking Company, New York, N. Y. Cake. 393,837; Mar. 3. Class 46.

Waldes & Co. Inc., New York and Long Island City, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap fasteners and placket fasteners. 155,857; renewed June 6, 1942.

Waldes & Co. Inc., New York and Long Island City, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Notions. 155,858; renewed June 6, 1942.

Walt Wegner Foods, Inc., Williamson, N. Y. Canned tomato juice. 393,788; Mar. 3; Serial No. 447,354; published Dec. 23, 1941. Class 46.

Weil & Durrse, New York, N. Y. Tablecloths, linens, toweling, and napkins. 393,774; Mar. 3; Serial No. 446,572; published Dec. 9, 1941. Class 42.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric starters for electric motors. 393,730; Mar. 3; Serial No. 439,736; published Dec. 16, 1941. Class 21.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric service equipment troughs. 393,731; Mar. 3; Serial No. 439,737; published Dec. 16, 1941. Class 21.

Wilkinson Bros., Calipatria, Calif. Fresh vegetables. 393,737; Mar. 3; Serial No. 441,338; published Dec. 16, 1941. Class 46.

Williams, J. H., & Co., Buffalo, N. Y. Ferrous and nonferrous metal forgings. 393,800; Mar. 3; Serial No. 447,601; published Dec. 23, 1941. Class 14.

Willys-Overland Motors, Inc., Toledo, Ohio. Passenger carrying automobiles. 393,833; Mar. 3; Serial No. 448,124; published Dec. 23, 1941. Class 19.

Yale Fabrics Corp., New York, N. Y. Dress fabrics or piece goods made of spun rayon and acetate rayon. 393,778; Mar. 3; Serial No. 446,771; published Nov. 25, 1941. Class 42.

Young, Patrick, Company, assignor to E. M. Todd Company, Inc., Richmond, Va. Ham. 156,907; renewed July 18, 1942.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Barytes, Ground. Magnet Cove Barium Corporation. 393,755; Mar. 3; Serial No. 443,638; published Dec. 23, 1941.

Coal. Charleston Sixth Vein Collieries. 393,767; Mar. 3; Serial No. 446,019; published Dec. 23, 1941.

Coal. C. L. Ryley Coal Company. 151,223; renewed Jan. 24, 1942.

Resins, Thermoplastic synthetic. Dow Chemical Company. 393,786; Mar. 3; Serial No. 447,284; published Dec. 23, 1941.

Skins and pelts, Fur. M. Etelson. 393,747; Mar. 3; Serial No. 442,749; published Dec. 23, 1941.

CLASS 3

Handbags, Ladies'. Morris White Fashions, Inc. 393,849; Mar. 3.

CLASS 4

Cleaning compound. Tubbs Company. 393,740; Mar. 3; Serial No. 441,649; published Dec. 23, 1941.

Soap and benzene soap. Innis, Speiden & Co. 155,722; renewed June 6, 1942.

CLASS 5

Fabric patches for mending and reinforcing wearing apparel, linen, and other fabrics. Simmons Electro-Mend, Inc. 393,766; Mar. 3; Serial No. 445,671; published Dec. 23, 1941.

CLASS 6

Cream, Face. E. Bajanova. 153,655; renewed Mar. 28, 1942.
Dyestuff intermediates. E. I. du Pont de Nemours and Company. 152,156; renewed Feb. 21, 1942.
Hexamethyleneamine in the form of powder and tablet. Merck & Co. 152,230; renewed Feb. 21, 1942.
Insecticides for flies, mosquitoes, etc. Groover-Stewart Drug Company. 153,739; renewed Mar. 28, 1942.
Medicinal dye in the form of powder, crystals, tablets, and pencils. Merck & Co. 151,544; renewed Feb. 7, 1942.
Medicinal powder for rheumatism, gout, etc. M. C. Kopf. 155,737; renewed June 6, 1942.
Medicinal preparation for use in gonorrhea, etc. Riedel & Co. 156,044; renewed June 13, 1942.
Medicine for goiter. A. Pletz. 155,798; renewed June 6, 1942.
Preparation for destroying parasites and for treating diseases in animals and plants. Thomas Bigg Limited. 144,703; renewed July 19, 1941.
Rouge, lipstick, face cream, face powder, etc. Jean Vivandou Company. 393,846; Mar. 3.
Tablets for preparing hydrogen-peroxide solution. Merck & Co. 154,097; renewed Apr. 4, 1942.
Tonic, General. C. Rocchietta. 152,260; renewed Feb. 21, 1942.

CLASS 7

Clotheslines. Tribble Cordage Mills, Inc. 151,366; renewed Jan. 31, 1942.

CLASS 9

Cartridges, Metallic. Peters Cartridge Company. 153,277; renewed Mar. 14, 1942.
Matches. Anco Corporation. 393,734; Mar. 3; Serial No. 440,438; published Dec. 23, 1941.

CLASS 12

Blocks, Concrete building. W. E. Dunn Manufacturing Company. 393,744; Mar. 3; Serial No. 442,523; published Dec. 9, 1941.
Brick, fire-brick, plaster, etc., Insulating. H. C. Vandaveer. 393,848; Mar. 3.
Construction materials. Tuco Products Corporation. 156,073; renewed June 13, 1942.
Dampproofing, waterproofing fabric, asphalt trowel mastic, etc. H. E. Cann Company. 393,741; Mar. 3; Serial No. 441,761; published Dec. 9, 1941.
Refractory material. Laclede-Christy Clay Products Company. 393,754; Mar. 3; Serial No. 443,609; published Dec. 9, 1941.
Rock wool, storm windows, storm doors, etc. F. C. Russell Company. 393,739; Mar. 3; Serial No. 441,548; published Dec. 16, 1941.
Roofing, metal stalls and stanchions, composition roofing, and shingles, Metal. United Co-Operatives, Inc. 393,720; Mar. 3; Serial No. 421,679; published May 14, 1940.
Solution for waterproofing and preserving masonry and wood. J. E. Blackman. 393,757; Mar. 3; Serial No. 445,085; published Dec. 9, 1941.
Starch product. National Lead Company. 393,738; Mar. 3; Serial No. 441,482; published Dec. 9, 1941.
Stone, Cast. C. Fralick. 393,779; Mar. 3; Serial No. 446,778; published Dec. 9, 1941.

CLASS 13

Chains, loops, rings, and hooks. American Chain Company. 154,861; renewed May 16, 1942.

CLASS 14

Metal forgings, Ferrous and non-ferrous. J. H. Williams & Co. 393,800; Mar. 3; Serial No. 447,601; published Dec. 23, 1941.
Steel and iron in certain forms, certain steels, and steel castings, forgings, and stampings. Arthur Balfour & Co. Limited. 154,874; renewed May 16, 1942.

CLASS 15

Gasoline and motor-fuel oils. Texas Company. 153,021; renewed Mar. 7, 1942.
Oils and fuel oils, Furnace. Atlantic Refining Company. 393,775; Mar. 3; Serial No. 446,558; published Dec. 9, 1941.
Oils, cylinder. Texas Company. 154,165; renewed Apr. 4, 1942.
Oils, gasoline, and lubricating greases, Lubricating. Red "C" Oil Manufacturing Co. 155,062; renewed May 16, 1942.

CLASS 16

Paint. American Crayon Company. 393,765; Mar. 3; Serial No. 445,646; published Dec. 23, 1941.
Paints, paint enamels, and varnishes. Ivoroid Mixed Paint Company. 154,980; renewed May 16, 1942.
Paints, Ready-mixed. J. W. Howland. 151,336; renewed Jan. 31, 1942.
Polish for automobiles and furniture, Cleaning. V. Malalana. 393,844; Mar. 3.

CLASS 17

Cigarettes. Central Tobacco Company Inc. 393,783; Mar. 3; Serial No. 447,058; published Dec. 23, 1941.
Cigarettes and smoking tobacco. American Tobacco Company. 393,781; Mar. 3; Serial No. 446,937; published Dec. 23, 1941.

CLASS 19

Automobiles. Willys-Overland Motors, Inc. 393,833; Mar. 3; Serial No. 448,124; published Dec. 23, 1941.

CLASS 21

Electric fans. Victor Electric Products, Inc. 393,826; Mar. 3; Serial No. 447,991; published Dec. 9, 1941.
Electric lighting fixtures. Day-Brite Lighting, Inc. 393,836; Mar. 3; Serial No. 448,246; published Dec. 23, 1941.
Electric-lighting fixtures, electric sadirons, and electric batteries. R. J. Byington. 151,441; renewed Feb. 7, 1942.
Electric motors. U. S. Electrical Motors, Inc. 393,822; Mar. 3; Serial No. 447,919; published Dec. 9, 1941.
Electric service equipment troughs. Westinghouse Electric & Manufacturing Company. 393,731; Mar. 3; Serial No. 439,737; published Dec. 16, 1941.
Electric starters. Westinghouse Electric & Manufacturing Company. 393,730; Mar. 3; Serial No. 439,736; published Dec. 16, 1941.
Insulators for high tension insulation. Locke Insulator Corporation. 393,782; Mar. 3; Serial No. 446,950; published Dec. 9, 1941.
Lamps, Portable electric. Artistic Lamp Manufacturing Co. 393,840; Mar. 3.
Light equipment, ultra violet lamps, and poultry lamps. Continental Lithograph Corporation. 393,758; Mar. 3; Serial No. 445,258; published Dec. 16, 1941.
Outlet boxes and fittings. General Electric Company. 151,489; renewed Feb. 7, 1942.
Wire, round and flat, and strip, etc., for electrical purposes. Wilbur B. Driver Company. 393,818; Mar. 3; Serial No. 447,840; published Dec. 9, 1941.

CLASS 22

Fishing rods, fishing reels, and fish landing nets. Richardson Rod & Reel Co. 393,725; Mar. 3; Serial No. 431,224; published Dec. 23, 1941.
Game. M. F. Lathers. 393,812; Mar. 3; Serial No. 447,743; published Dec. 23, 1941.
Game of chance. Parker Brothers, Inc. 393,835; Mar. 3; Serial No. 448,205; published Dec. 23, 1941.

CLASS 23

Grinding apparatus, Members subject to abrasion in. Combustion Engineering Company. 393,830; Mar. 3; Serial No. 448,075; published Dec. 23, 1941.
Loom supplies. Graton & Knight Company. 393,756; Mar. 3; Serial No. 443,882; published Dec. 23, 1941.
Loom supplies. Graton & Knight Company. 393,768; Mar. 3; Serial No. 446,024; published Dec. 9, 1941.
Metal working machinery and tools. Allied Products Corporation. 393,827; Mar. 3; Serial No. 447,992; published Dec. 9, 1941.
Razor blades. Otto Eisenlohr & Bros., Inc. 393,722; Mar. 3; Serial No. 428,025; published Dec. 16, 1941.
Saws, saw sets, and screw drivers. Henry Disston & Sons, Incorporated. 155,221; renewed May 23, 1942.
Tools for use in connection with bending and shaping conduit and tubing. Thomas & Betts Co. 393,727; Mar. 3; Serial No. 439,244; published Dec. 23, 1941.

CLASS 24

Laundry appliances and machines. American Laundry Machinery Company. 156,610; renewed June 20, 1942.
Laundry washing machines. Sears, Roebuck and Co. 393,742; Mar. 3; Serial No. 442,144; published Dec. 16, 1941.

CLASS 26

Apparatus for detecting leaks and the location of leaks. Allen-Howe Manufacturing Company. 393,777; Mar. 3; Serial No. 446,645; published Dec. 16, 1941.
Camera case. Louis Lefkowits & Bro., Inc. 393,759; Mar. 3; Serial No. 445,268; published Dec. 16, 1941.
Cameras, Attachment for. C. E. Kidner. 393,745; Mar. 3; Serial No. 442,529; published Dec. 23, 1941.
Cameras, moving picture projectors, moving picture cameras. Universal Camera Corporation. 393,841; Mar. 3.
Cameras of all types, meters, finders, etc. E. Paillard & Cie, Societé Anonyme. 393,838; Mar. 3.
Chemical and laboratory glassware. Kimble Glass Company. 393,743; Mar. 3; Serial No. 442,197; published Dec. 23, 1941.
Cinematographic and photographic apparatus and accessories thereto. Bol, Ltd. 393,753; Mar. 3; Serial No. 443,391; published Sept. 30, 1941.
Computing apparatus, Navigators' altitude and azimuth. F. Chamberlain. 393,764; Mar. 3; Serial No. 445,627; published Dec. 23, 1941.
Film, Sensitized photographic. B. J. Lash. 393,729; Mar. 3; Serial No. 439,392; published Dec. 23, 1941.
Films, Dental x-ray. E. Herman. 393,816; Mar. 3; Serial No. 447,806; published Dec. 23, 1941.

Indicating, recording, and controlling instruments. Charles J. Tagliabue Mfg. Co. 393,773; Mar. 3; Serial No. 446,471; published Dec. 16, 1941.
Lenses, eyeglasses, temples, Ophthalmic. Nu-Vision Optical Company. 393,839; Mar. 3.
Lenses for eye protection, Glass. New York Eye Protection Co. 393,760; Mar. 3; Serial No. 445,363; published Dec. 9, 1941.
Lenses, Photographic. Eastman Kodak Company. 393,748; Mar. 3; Serial No. 442,839; published Dec. 23, 1941.
Light-sensitive diazotype papers, cloths, films, etc. General Aniline & Film Corporation. 393,828; Mar. 3; Serial No. 448,001; published Dec. 23, 1941.

CLASS 27

Watches, watch movements, dials and cases. Adolphe Schwob, Inc. 152,988; renewed Mar. 7, 1942.
Watches and watch movements, dials and cases. Adolphe Schwob, Inc. 155,283; renewed May 23, 1942.

CLASS 28

Gems, Artificial and imitation. Colt's Patent Fire Arms Manufacturing Company. 393,721; Mar. 3; Serial No. 424,682; published Dec. 23, 1941.
Jewelry. Katz & Ogush, Inc. 156,695; renewed July 11, 1942.
Trays, belt buckles, bracelets, etc., Ash. American Turners. 393,750; Mar. 3; Serial No. 442,928; published Dec. 23, 1941.

CLASS 29

Brushes, Paint. Sears, Roebuck and Co. 393,842; Mar. 3.
Pads, Cosmetic removing. Cosmetic Aids, Inc. 393,845; Mar. 3.

CLASS 31

Filters, air and gas, liquid filters, etc. Buffalo Forge Company. 153,672; renewed Mar. 28, 1942.
Refrigerating systems and parts thereof. Automatic Refrigerating Co. 156,580; renewed June 20, 1942.

CLASS 32

Furniture. Central Parlor Frame Mfg. Co. 393,795; Mar. 3; Serial No. 447,507; published Dec. 23, 1941.

CLASS 33

Glass bottles. Liberty Glass Company. 393,813; Mar. 3; Serial No. 447,745; published Dec. 23, 1941.
Glassware. Century Metalcraft Corporation. 393,819–20; Mar. 3; Serial Nos. 447,868–9; published Dec. 23, 1941.

CLASS 34

Heaters, jacket water coolers, condensers, and evaporators, Fuel oil. Heat Transfer Products, Inc. 393,771; Mar. 3; Serial No. 446,394; published Dec. 23, 1941.
Heating and ventilating systems and parts thereof. Buffalo Forge Company. 152,696; renewed Mar. 7, 1942.
Ranges, Gas and electric. Firestone Tire & Rubber Company. 393,834; Mar. 3; Serial No. 448,132; published Dec. 23, 1941.
Stokers, oil burners, and coal furnaces, etc., Coal. Conco Corporation. 393,823; Mar. 3; Serial No. 447,933; published Dec. 23, 1941.

CLASS 35

Gaskets. Kason Hardware Corporation. 393,763; Mar. 3; Serial No. 445,581; published Dec. 23, 1941.
Packing, Machinery. A. E. Rains. 393,751; Mar. 3; Serial No. 442,973; published Dec. 23, 1941.

CLASS 36

Harmonicas. United States Harmonica Corporation. 393,749; Mar. 3; Serial No. 442,885; published Oct. 7, 1941.
Phonograph styli. Permo Products Corporation. 393,832; Mar. 3; Serial No. 448,114; published Dec. 23, 1941.
Phonographs and radio phonograph combinations. Emerson Radio and Phonograph Corporation. 393,793; Mar. 3; Serial No. 447,435; published Dec. 23, 1941.
Reeds for musical instruments. H. Chiron Co. 393,728; Mar. 3; Serial No. 438,376; published Dec. 9, 1941.

CLASS 37

Forms, Accounting. Reynolds & Reynolds Co. 393,735–6; Mar. 3; Serial Nos. 440,732–3; published Dec. 23, 1941.
Indexes and filing devices. American Kardex Company. 151,068; renewed Jan. 24, 1942.
Paper other than wax or paraffin paper, Wrapping. International Paper Company. 393,761; Mar. 3; Serial No. 445,497; published Dec. 23, 1941.
Papers, Ledger and bond. Parsons Paper Company. 393,847; Mar. 3.

CLASS 38

House organ. James H. Rhodes & Company. 153,513; renewed Mar. 21, 1942.

CLASS 39

Articles of clothing. Franklin Simon & Co. Inc. 156,249; renewed June 20, 1942.
Blouses, shirts, and play suits, Boys'. Reliance Manufacturing Company. 155,807; renewed June 6, 1942.
Boots and shoes of leather. Juvenile Shoe Corporation of America. 154,590; renewed Apr. 18, 1942.
Boots, shoes, and slippers. W. B. Coon Co. 154,520; renewed Apr. 18, 1942.
Clothing, children's—namely, suits, etc. Ralph S. Cary & Co. Inc. 154,510; renewed Apr. 18, 1942.
Hats, Ladies'. Harry Solomons & Son. 156,927; renewed July 18, 1942.
Nets, Hair. M. Herzog. 156,293; renewed June 20, 1942.
Shoes for women. Brown Shoe Company. 154,505; renewed Apr. 18, 1942.

CLASS 40

Fasteners and placket fasteners, Snap. Waldes & Co. Inc. 155,857; renewed June 6, 1942.
Notions. Waldes & Co. Inc. 155,858; renewed June 6, 1942.

CLASS 42

Blankets of textile fabrics, Bed. F. C. Huyck & Sons. 393,723; Mar. 3; Serial No. 429,981; published Nov. 25, 1941.
Cotton, rayon, and silk piece goods. Velveray Corporation. 393,772; Mar. 3; Serial No. 446,444; published Nov. 25, 1941.
Dress fabrics or piece goods made of spun rayon and acetate rayon. Yale Fabric Corp. 393,778; Mar. 3; Serial No. 446,771; published Nov. 25, 1941.
Fabrics, and mixtures thereof, Silk, satin, rayon, and cotton. Crown Fabrics Corporation. 393,762; Mar. 3; Serial No. 445,520; published Dec. 9, 1941.
Fabrics, Cotton, rayon, and woolen. Cramerton Mills, Inc. 393,817; Mar. 3; Serial No. 447,838; published Dec. 9, 1941.
Fabrics in the piece. Crompton Company. 393,791; Mar. 3; Serial No. 447,389; published Nov. 25, 1941.
Fabrics in the piece made of cotton, silk, rayon, etc. Crompton Company. 393,787; Mar. 3; Serial No. 447,324; published Nov. 25, 1941.
Fabrics in the piece, Pile. Collins & Aikman Corporation. 393,796; Mar. 3; Serial No. 447,538; published Nov. 25, 1941.
Fabrics in the piece, Woven, knitted, netted. Cheney Brothers. 393,803–4; Mar. 3; Serial Nos. 447,687–8; published Dec. 2, 1941.
Fabrics of cotton, rayon, wool, etc. G. J. Hecht. 393,776; Mar. 3; Serial No. 446,627; published Nov. 25, 1941.
Fabrics of silk and silk mixtures in the piece. Cheney Brothers. 393,802; Mar. 3; Serial No. 447,686; published Dec. 2, 1941.
Fabrics of silk and silk mixtures in the piece. Cheney Brothers. 393,805–8; Mar. 3; Serial Nos. 447,689–92; published Dec. 2, 1941.
Fabric in the piece, Woven, knitted, netted textile and pile. Cheney Brothers. 393,809; Mar. 3; Serial No. 447,694; published Dec. 2, 1941.
Sheets, pillow cases, sheetings, etc. Erwin Cotton Mills Company. 393,785; Mar. 3; Serial No. 447,232; published Nov. 25, 1941.
Sheets, sheeting, pillow cases, etc. Chicago Mail Order Company. 393,815; Mar. 3; Serial No. 447,796; published Dec. 9, 1941.
Silk in the piece, Artificial. Southern Brighton Mills. 393,798–9; Mar. 3; Serial Nos. 447,549–50; published Nov. 25, 1941.
Tablecloths, linens, toweling, and napkins. Weil & Durrse. 393,774; Mar. 3; Serial No. 446,472; published Dec. 9, 1941.
Table cloths, napkins, kitchen towels, and toweling. Startex Mills. 393,801; Mar. 3; Serial No. 447,623; published Dec. 2, 1941.
Woolen and worsted cloths, jersey cloths, elderdowns, etc. Continental Mills, Inc. 393,770; Mar. 3; Serial No. 446,265; published Nov. 25, 1941.
Woolen piece goods. Forstmann Woolen Co. 393,789–90; Mar. 3; Serial Nos. 447,367–9; published Nov. 25, 1941.
Woolen piece goods. Forstmann Woolen Co. 393,797; Mar. 3; Serial No. 447,542; published Nov. 25, 1941.

CLASS 44

Hypodermic needles and syringes. Cook Laboratories, Inc. 393,850; Mar. 3.
Prophylactic rubber articles for the prevention of contagious diseases. Allen Sawyer and Edwin B. Miller. 393,843; Mar. 3.
Vaginal diaphragm inserter. E. H. Edwards. 393,784; Mar. 3; Serial No. 447,181; published Dec. 23, 1941.

CLASS 45

Beverage sold as a soft drink and sirup for manufacturing said beverage, Maltless. Hurty-Peck & Company. 156,881; renewed July 18, 1942.
Extracts and flavoring sirups for soft drinks, and root beer. Langley & Michaels Co. 152,854; renewed Mar. 7, 1942.
Extracts for nonalcoholic beverages, sold as soft drinks, Flavoring. National Fruit Flavor Co. 156,896; renewed July 18, 1942.

CLASS 46

Cake. Ward Baking Company. 393,837; Mar. 3.

Candies. Moxie Company. 156,355; renewed June 20, 1942.
Candies. Pacific Coast Biscuit Company. 155,042; renewed May 16, 1942.
Candy. Telesweets, Inc. 393,769; Mar. 3; Serial No. 446,186; published Dec. 16, 1941.
Canned fruits. California Co-operative Canneries. 155,941–2; renewed June 13, 1942.
Canned peas. Minnesota Valley Canning Company. 393,814; Mar. 3; Serial No. 447,754; published Dec. 23, 1941.
Canned tomato juice. Walt Wegner Foods, Inc. 393,788; Mar. 3; Serial No. 447,354; published Dec. 23, 1941.
Catsup and chilli sauce. Greenabaum Bros., Inc. 151,876; renewed Feb. 14, 1942.
Celery, Fresh. Don L. Bates & Son. 393,811; Mar. 3; Serial No. 447,719; published Dec. 23, 1941.
Cheese, Swiss. Alpina Cheese Co. 152,653; renewed Mar. 7, 1942.
Chocolates. Heidelberger Confectionery Co. 156,875; renewed July 18, 1942.
Coffee. Johnson-Layne Coffee Company. 156,884; renewed July 18, 1942.
Coffee. Nash Coffee Company. 156,895; renewed July 18, 1942.
Food, Dog. Quaker Oats Company. 393,829; Mar. 3; Serial No. 448,007; published Dec. 23, 1941.
Fruit, Fresh citrus. San Fernando Citrus Association. 393,824; Mar. 3; Serial No. 447,955; published Dec. 16, 1941.
Fruit, Fresh deciduous. Basket Fruits, Inc. 393,752; Mar. 3; Serial No. 443,281; published Dec. 23, 1941.
Fruits. Tuxedo Fruit Company. 393,732–3; Mar. 3; Serial Nos. 440,074–5; published May 20, 1941.
Ham. Patrick Young Company. 156,907; renewed July 18, 1942.
Ice-cream cones. National Biscuit Company. 151,885; renewed Feb. 14, 1942.
Milk chocolate. Klein Chocolate Company. 393,746; Mar. 3; Serial No. 442,663; published Dec. 23, 1941.
Milk, Unsweetened evaporated. American Milk Products Corporation. 151,663; renewed Feb. 14, 1942.
Peel made from papaya fruit, Preserved drained. Causse Manufacturing & Importing Co. 393,794; Mar. 3; Serial No. 447,454; published Dec. 23, 1941.
Pop corn, Raw. American Pop Corn Company. 393,810; Mar. 3; Serial No. 447,717; published Dec. 23, 1941.
Potatoes. Gilcrest Early Potato Association, Inc. 393,780; Mar. 3; Serial No. 446,835; published Dec. 16, 1941.
Proteins, vitamins, iodine, and minerals. Blend of. Lacto-Vee Products Co. 393,821; Mar. 3; Serial No. 447,913; published Dec. 16, 1941.
Syrup, Highly converted corn. Corn Products Refining Company. 393,831; Mar. 3; Serial No. 448,094; published Dec. 23, 1941.
Syrup, Solidified corn. American Maize-Products Company. 393,792; Mar. 3; Serial No. 447,422; published Dec. 23, 1941.
Tablets of concentrated foods. Bleything Laboratories. 393,724; Mar. 3; Serial No. 430,214; published July 2, 1940.
Tomato catchup, chili sauce, and canned pork and beans. Greenabaum Bros. Inc. 156,679; renewed July 11, 1942.
Vegetable juices. Seeman Brothers, Inc. 393,825; Mar. 3; Serial No. 447,957; published Dec. 23, 1941.
Vegetables, Fresh. Wilkinson Bros. 393,737; Mar. 3; Serial No. 441,338; published Dec. 16, 1941.

CLASSES 48 AND 49

Liquors and spirits, Fermented. Tollemache's Ispwich Brewery Limited. 151,264; renewed Jan. 24, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lyon, George A., Allenhurst, N. J. Ornamental ring for disk wheels. 22,042; Mar. 3.
Nelson, Rudolph S, Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 22,043; Mar. 3.
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
O'Beirne, Donald E., Waukesha, Wis. Observation unit for bees or the like. 22,044; Mar. 3.
Towart, Archie, Jr., West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. High pressure fluid medium container and control valve therefor. 22,045; Mar. 3.
Specialties Development Corporation. (See Towart, Archie, Jr., assignor.)

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose. 504; Mar. 3.
Brownell, Josephine D., Little Compton, R. I. Rose. 505; Mar. 3.

LIST OF DESIGN PATENTEES

Avila, John V., San Jose, Calif. Revolving counter. 131,453; Mar. 3.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 131,460; Mar. 3.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 131,461; Mar. 3.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 131,462; Mar. 3.
Blum, Arthur, Brooklyn, N. Y. Spectacle frame. 131,486; Mar. 3.
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Colgate-Palmolive-Peet Company. (See Key, Abraham L., assignor.)
Cook, Levin B., assignor of one-half to H. R. Miller, Shreveport, La. Fish lure. 131,476; Mar. 3.
Cope, Wilbur B., Washington, D. C. Advertising device. 131,487; Mar. 3.
Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Combined display and storage cabinet for knitting pins or the like. 131,463; Mar. 3.
Dionne, Peter, Detroit, Mich. Book end. 131,488; Mar. 3.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass sherbet or article of similar nature. 131,464; Mar. 3.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y. Glass serving dish or article of similar nature. 131,465; Mar. 3.
Eggleston, Allen J., assignor to The Edward Katzinger Company, Chicago, Ill. Cake slicing guide or similar article. 131,454; Mar. 3.
Eisenberg Jewelry, Inc. (See Nathan, Florence, assignor.)
Feeney, James F., White Plains, N. Y. Badge or the like. 131,466; Mar. 3.
Fuller Brush Company, The. (See Le Febvre, Alfred L.)
Gepner, Abraham, Birmingham, Ala. Sweater. 131,489; Mar. 3.
Guth, Edwin F., Company. (See Koegel, Ervin C., assignor.)
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Embossed paper or the like. 131,490; Mar. 3.
Hilty, George R., Miami, Fla. Badge or similar article. 131,467; Mar. 3.
Howard, Styles T., Jeffersonville, Ind. Portable range. 131,468; Mar. 3.
Howard, Styles T., Jeffersonville, Ind. Portable burner unit. 131,477; Mar. 3.
Jenco Brothers, Inc. (See Jenco, Charles, assignor.)
Jenco, Charles, assignor to Jenco Brothers, Inc., Paterson, N. J. Rubber heel. 131,491; Mar. 3.
Jolles, Ida, New York, N. Y. Tapestry covered picture frame. 131,469; Mar. 3.
Katzinger, Edward, Company The. (See Eggleston, Allen J., assignor.)
Kayn, Stephen F., New York, N. Y., assignor to Ross McFadden, Hollywood, Calif. Hair clasp. 131,455; Mar. 3.
Key, Abraham L., Staten Island, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Bottle. 131,470; Mar. 3.
Koegel, Ervin C., assignor to Edwin F. Guth Company, St. Louis, Mo. Light fixture. 131,478; Mar. 3.
Lee, Hilda D., New York, N. Y. Dial money clip or similar article. 131,492; Mar. 3.
Le Febvre, Alfred L., assignor to The Fuller Brush Company, Hartford, Conn. Comb or similar article. 131,471; Mar. 3.
McFadden, Ross. (See Kayn, Stephen F., assignor.)
Miller, Haskell R. (See Cook, Levin B., assignor.)
Milwaukee Lace Paper Company. (See Hamilton, Kenneth C., assignor.)
Morcy, Edith T. (See Tuttle, Orley C., assignor.)
Nathan, Florence, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill. Bracelet. 131,456; Mar. 3.
Nathan, Florence, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill. Pin or similar article. 131,479; Mar. 3.
Newcom, Jeannings B. (See Welchin, A. C., and Newcom.)
Norwood, Doak, Chicago, Ill. Combined memorandum pad holder, ash tray, and supply receptacle. 131,493; Mar. 3.
Patterson, Joseph W., Tulsa, Okla. Set of game pieces. 131,480; Mar. 3.
Pitman–Dreitzer & Company, Inc. (See Dreitzer, Albert J., assignor.)
Pontis, William G., Dayton, Ohio. Fishing rod handle or analogous article. 131,494; Mar. 3.
Rippley, Robert E., St. Louis, Mo. Sample case for piston rings or the like. 131,457; Mar. 3.
Rock, John D., Huntington Park, Calif. Badge or similar article. 131,472; Mar. 3.
Rock, John D., Huntington Park, Calif. Badge or similar article. 131,481; Mar. 3.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound reproducing apparatus. 131,482; Mar. 3.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound reproducing apparatus. 131,483; Mar. 3.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. 131,495; Mar. 3.
Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. 131,496; Mar. 3.
Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. 131,497; Mar. 3.
Spaney, Alfred, New York, N. Y. Brooch or similar article. 131,458; Mar. 3.
Thelander, Clement C. J., Chicago, assignor of one-half to A. F. Wintercorn, Rockford, Ill. Combination storage cabinet, magazine rack, and seat. 131,473; Mar. 3.
Turnbull, Scott, Keuka, N. Y. Pin or the like. 131,474; Mar. 3.
Tuttle, O. C., Deoil Bug Co. (See Tuttle, Orley C., assignor.)
Tuttle, Orley C., assignor to E. T. Morcy, Old Forge, N. Y., doing business as O. C. Tuttle, Devil Bug Co. Fish lure. 131,484; Mar. 3.
Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)
Vogl, Hugh W., Wilmette, Ill. Vise. 131,498; Mar. 3.
Welchlin, Alfred C. and J. B. Newcom, Fairmont, Minn. Button or similar article. 131,475; Mar. 3.
Wheeler, Harvey C., Miami Beach, Fla. Popcorn dispensing cabinet or similar article. 131,485; Mar. 3.
Wintercorn, Andrew F. (See Thelander, Clement C. J., assignor.)
Wornhoff, Franklyn A., Forest Park, Ill. Rack for combs. 131,459; Mar. 3.

LIST OF PATENTEES

TO WHOM

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Abbott, Ernest J., and J. D. Kraus, Ann Arbor, Mich., said Kraus assignor to said Abbott. Suction roll. 2,274,641; Mar. 3.

Achatz, John, Hooper, Colo. Potato sacking machine. 2,275,335; Mar. 3.

Ackermann, Franz. (See Graenacher, C., Ackermann and Gruengger.)

Adam, Hermann, Berlin-Steglitz, assignor to 'Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Glow discharge tube. 2,275,242; Mar. 3.

Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Aluminum-beryllium alloy. 2,275,070; Mar. 3.

Adams, Benjamin F., assignor to Armstrong Cork Company, Lancaster, Pa. Building structure. 2,274,916; Mar. 3.

Adams, Benjamin F., Lancaster, and H. A. Johnson, Manheim Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Hard surface covering. 2,274,642; Mar 3.

Adams, Frederick W., Pittsburgh assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Fining of glass. 2,274,643; Mar. 3.

Ahlmann, Nikolai, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Cooler and conveyer. 2,274,948; Mar. 3.

Air reduction Company. (See Crowe, John J., assignor.)

Air Reduction Company (See Rooke, R. M., and Saacke, assignors.)

Albert, Walter P., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 2,275,039; Mar. 3.

Allen, Arthur J. (See Rheem, R. S., Brown and Allen.)

Allen, Charles. (See Colwell, W., and Allen.)

Allen, Victor O., Madison, assignor to Wilbur B. Driver Company, Newark, N. J. Glass-to-metal seal. 2,274,999; Mar. 3.

Alles, Francis P. (See Charch, W. H., and Alles.)

Allied Chemical & Dye Corporation. (See Lyford, Chauncey A., assignor.)

Allison Company, The. (See Allison, Hugh V., assignor.)

Allison, Hugh V., Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn. Abrasive cutting wheel. 2,275,339; Mar. 3.

Almac Metal Corporation. (See Meyer, Max, assignor.)

Alvistur, Oscar, San Francisco, Calif. Replaceable shoe heel 2,275,214; Mar. 3.

American Brake Shoe & Foundry Company, The. (See Mantle, Burr W., assignor.)

American Can Company. (See Eberhart, Felix, assignor.)

American Can Company. (See Pelosi, Nicolas, assignor.)

American Car and Foundry Company. (See Willoughby, Victor, assignor.)

American Flange & Manufacturing Co. (See Rheem, R. S., Brown and Allen, assignors.)

American Molded Products Co. (See Bevington, Kenneth A., assignor.)

American Molded Products Co. (See Caestecker, Charles E., assignor.)

American Steel and Wire Company, The. (See Brickman, A. E., and Gleason, assignors.)

American Steel Foundries (See Aurien, Ray G., assignor.)

Ammon, Edward R., Reading, Pa. Adjustable bag holder. 2,275,000; Mar. 3.

Amyot, Louis J. A., Quebec, Quebec, Canada. Girdle or foundation garment. 2,274,770; Mar. 3.

Anderson Company, The. (See Smulski, Theodore J, assignor.)

Anderson, Evald, San Marino, assignor to Western Precipitation Corporation, Los Angeles, Calif. Apparatus for electrical precipitations. 2,275,001; Mar. 3.

Anderson, John M. (See Merrill, E. C., Reddie and Anderson.)

Anderson, Raymond T., Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio. Expressing of oleaginous material. 2,275,337; Mar. 3.

Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)

Andres, William J. and F. E. Strohm, assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,275,338; Mar 3.

Andrews, Bernard R., Braintree, Mass. Method of shrinking cloth. 2,275,278; Mar. 3.

Apex Broach Company. (See Headnloom, G. E., and Peterson, assignors.)

Apex Tool and Cutter Company, The. (See Severson, Ole, assignor.)

Apex Tool and Cutter Company (See Sheridan, H. M., and Severson, assignors.)

Arden, Thomas R., Freeport, N. Y. Internal combustion engine and adjuncts therefor. 2,274,644; Mar. 3.

Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,275,241; Mar. 3

Armstrong Cork Company. (See Adams, Benjamin F., assignor.)

Armstrong Cork Company. (See Adams, B. F., and Johnson, assignors.)

Armstrong Cork Company. (See Jennings, A. L., Mitchell, and Worm, Jr., assignors.)

Armstrong Cork Company. (See Neiss, H. V., and Etter, assignors.)

Armstrong Cork Company. (See Pennell, Philip H., assignor.)

Armstrong, Frank H., assignor to Cardox Corporation, Chicago, Ill. Apparatus for charging compressed gas material breaking cartridges. 2,274,771; Mar. 3.

Art Metal Construction Company. (See Attwood, Charles E., assignor.)

Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,275,025; Mar. 3.

Associated Electric Laboratories, Inc. (See Cox, Irvin W., assignor.)

Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)

Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)

Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)

Attwood, Charles E., Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y. Means for joining scored sheets and breaking along scored lines. 2,275,336; Mar. 3.

Aubuchon, John S., Farmington, Mo. Cigarette extinguishing ash tray. 2,275,089; Mar. 3.

Audrieth, Ludwig F., Champaign, Ill., and Michael Sveda, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-cyclohexyl sulphamic acid and salts. 2,275,125; Mar. 3.

Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,274,857; Mar. 3.

Austin, Bascum O., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,274,645; Mar. 3.

Austin, Bascum O., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,274,646; Mar. 3.

Austin, James W., East Jaffrey, N. H. Paint pot holder. 2,275,071; Mar. 3.

Avard, Richard T., San Gabriel, and F. W. Herring, Long Beach, Calif. Roof flashing. 2,274,647; Mar. 3.

Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)

Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)

Bach, Henry M., Woodmere, N. Y., assignor to Radio Patents Corporation. Variable electronic reactance. 2,274,648; Mar. 3.

Bade, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,275,243; Mar. 3.

Baier, Hermann, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Bleaching tobacco. 2,274,649; Mar. 3.

Bailey, Carl A., Scotia, N. Y., assignor to General Electric Company. Control system. 2,275,192; Mar. 3.

Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel burner. 2,275,395; Mar. 3.

Bailey Meter Company. (See Ryder, John D., assignor.)

Ballard, Randall C. (See Chittick, K. A., and Ballard.)

Bancroft, Alfred G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Power take-off for air circulating means. 2,275,166; Mar. 3.

Bank of Montclair, executors, et al. (See Ellis, Carleton.)

Banker, Oscar H., Chicago, Ill. Valve actuating mechanism. 2,274,650; Mar. 3.

Bannow, Rudolph F., Bridgeport, Conn. Machine tool operating at universal angles in overall location. 2,275,291; Mar. 3.

Barker, Orrin W. (See Armitage, J. B., and Barker.)

Barks, Frank S., St. Louis, and A. P. Fox, University City, assignors to Lincoln Engineering Company, St. Louis, Mo. Coupler. 2,274,651; Mar. 3.

Barr, Samuel B., Malcom, Iowa. Oil burner. 2,275,002; Mar. 3.

Barrett, Paul D., San Francisco, Calif., assignor of one-half to L. B. Crown, Washington, D. C. Document case. 2,275,373; Mar. 3.

Bartlett, C. O., & Snow Company, The. (See McCann, Harry P., assignor.)

Bates Manufacturing Company, The. (See Faas, Walter, assignor.)

Bauer, Ray W. (See Wright, Parvin, assignor.)

Bayon, Henri J., Angers, France. Brace or like article. 2,274,652; Mar. 3.

Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Automatic lighter. 2,275,279; Mar. 3.

Bechert, Fred J., Stamford, Conn., assignor to The New Britain Machine Company, New Britain, Conn. Chucking means. 2,275,343; Mar. 3.

Becker, Gottfried. (See Daeves, K., Becker, and Steinberg.)

Becker, Rebecca, New York, N. Y. Closure. 2,274,819; Mar. 3.

Bedford, Alda V., Collinswood, N. J., assignor to Radio Corporation of America. Television system. 2,275,026; Mar. 3.

Bee, George A., Detroit, and J. E. McBride, Highland Park, assignors to Palmer-Bee Company, Detroit, Mich. Steel mill conveyer. 2,275,244; Mar. 3.

Behl, Fred H., Milan, Minn. Power take-off unit. 2,275,003; Mar. 3.

Behl, Fred H., Milan, Minn. Shaft coupling. 2,275,004; Mar. 3.

Belden, Don A., Akron, Ohio. Handle for cooking utensils. 2,275,280; Mar. 3.

Bell Aircraft Corporation. (See Schwartz, Arthur A., assignor.)

Bell, David A., Chelmsford, England, assignor to Radio Corporation of America. Electron discharge tubes and circuits therefor. 2,275,027; Mar. 3.

Bell Telephone Laboratories, Incorporated. (See Albert, Walter P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bonorden, Allen R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Feldman, Carl B. H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ferrell, Enoch B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gould, H. L. B., Kingsbury, and Legg, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ogg, Robert A.)

Bell Telephone Laboratories, Incorporated. (See Rosene, Victor E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ziegler, Arthur W., assignor.)

Beloit Iron Works. (See Berry, Earl E., assignor.)

Bendix Aviation Corporation. (See Burnett, Frank, assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Andres, W. J., and Strohm, assignors.)

Benz, Leonhardt W., Mobile, Ala. Panel securing means. 2,274,653; Mar. 3.

Berger, Hans H., et al. (See Morrison, J. H., Cusack, and Berger.)

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. 2,275,245; Mar. 3.

Berl, Ernst, Pittsburgh, Pa. Depolarization means. 2,275,281; Mar. 3.

Bernhard, Albrecht, G. Beyrich, and H. Habermann, assignors to Metrawatt Aktiengesellschaft, Fabrik Electrotrischcher Messgeraete, Nuremberg, Germany. Measuring instrument, particularly an exposure meter. 2,275,344; Mar. 3.

Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Drain box for papermaking machines. 2,274,654; Mar. 3.

Betz, Byron H., et al. (See Betz, Weldon W., assignor.)

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company, Baltimore, Md. Resetting means for safety shutoff devices. 2,275,340; Mar. 3.

Betz, Weldon W., Culver City, Calif., assignor of one-third to C. B. Davis, and one-third to B. H. Betz. Circuit control mechanism. 2,275,040; Mar. 3.

Bevington, Kenneth A., Evanston, assignor to American Molded Products Co., Chicago, Ill. Electrical rebound device. 2,275,005; Mar. 3.

Beyrich, Guido, et al. (See Bernhard, A., Beyrich, and Habermann.)

Bickel, Erich, Baden, near Zurich, Switzerland. Aerial multimine. 2,274,655; Mar. 3.

Biddle, Arthur C., assignor to Sears, Roebuck and Co., Chicago, Ill. Reinforced garment. 2,274,656; Mar. 3.

Bierman, William, New York, N. Y. Electrosurgical instrument. 2,275,167; Mar. 3.

Bigham, John F., Frederic, Mich. Branch holder. 2,275,282; Mar. 3.

Bills, Clarence H., Ferndale, Mich. Key case. 2,274,820; Mar. 3.

Bindler, Jakob, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Manufacture of phthalic acid-mono-phenyl-amides. 2,275,006; Mar. 3.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Clothes rack. 2,274,772; Mar. 3.

Blaski, John F., Chicago, Ill. Trussless roof. 2,274,949; Mar. 3.

Bliss, E. W., Company. (See Yeomans, Lucien L, assignor.)

Bliss, Warren H. (See Mathes, R. E., and Bliss.)

Bloxsom, Allan P., Houston, Tex. Steering mechanism. 2,274,821; Mar. 3.

Bodimer, Gilbert E., Indianapolis, Ind. Wringer mop. 2,274,880; Mar. 3.

Bolston, Harry M., Revere, Mass. Clamp for die stock and template. 2,274,881; Mar. 3.

Bonorden, Allen R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph alarm circuit. 2,275,126; Mar. 3.

Bonsack, Walter, South Euclid, assignor to The National Smelting Company, Cleveland, Ohio. Aluminum alloy. 2,274,657; Mar. 3.

Booth, Robert B., Springdale, Conn., assignor, by mesne assignments, to Manville Jenckes Corporation, Manville, R. I. Degasification and clarification of liquid dispersions. 2,274,658; Mar. 3.

Bordon Mfg. Co. (See Bourque, Philip, assignor.)

Borg-Warner Corporation. (See Davis, Ernest F., assignor.)

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Borg-Warner Corporation. (See Ruesenberg, C. A., and Patkus, assignors.)

Borg-Warner Corporation. (See Smirl, Richard L., assignor.)

Bosch, Robert, G. m. b. H. (See Heinrich, H., Schweizer, and Hurst, assignors.)

Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Schmidt, Ommo, assignor.)

Bossart, Karel J., et al. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter.)

Bourque, Philip, assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,275,168; Mar. 3.

Boyce, William S. (See Cantrell, M. L., Boyce, and Hed.)

Brabender, Carl W., Duisburg, Germany. Means for testing dough. 2,275,341; Mar. 3.

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,274,659; Mar. 3.

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,274,660; Mar. 3.

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,274,972; Mar. 3.

Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Antenna operating reel. 2,274,882; Mar. 3.

Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Operating radio antennas. 2,274,883; Mar. 3.

Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Angularly mounting vehicle antennas. 2,274,884; Mar. 3.

Brach, L. S., Mfg. Corp. (See Brach, Leon S., assignor.)

Brackett, Fred M. (See Kushera, William H., assignor.)

Brackett, Henry Q. (See Smith, John B., Jr., assignor.)

Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation of isoparaffins with ethylene. 2,274,858; Mar. 3.

Bradshaw, James B., Columbus, Ohio. Shoe form. 2,275,072; Mar. 3.

Branderburgische Motorenwerke Gesellschaft mit beschränkter Haftung. (See Rosskopf, Hans, assignor.)

Brandt, Thomas F., Barberton, and H. L. Brouse, Akron, assignors to The Ohio Brass Company, Mansfield, Ohio. Expansion chamber for bushing insulators. 2,275,215; Mar. 3.

Brandtjen & Kluge, Inc. (See Kluge, Eneval, assignor.)

Brass Goods Manufacturing Co. (See Maloney, Frank H., assignor.)

Brickman, Alan E., Rostraver Township, Westmoreland County, Pa., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Safety reflector assembly. 2,274,661; Mar. 3.

Briggs, Davy J., and F. De Nio, Jr., assignors of one-tenth to McConnell-Petermann Co., Inc. Metal corner bead 2,274,662; Mar. 3.

Briggs Manufacturing Company. (See Pattison, Herbert J., assignor.)

Brisbane, Eugene C., assignor to S. Morgan Smith Company, York, Pa. Relief valve. 2,274,663; Mar. 3.

Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Mixed aromatic phosphates and preparing the same. 2,275,041; Mar. 3.

Broccoli, Benny, Providence, R. I. Engine remover and replacer. 2,275,216; Mar. 3

Brockman, Charles J, Athens, Ga. Electrolytic process of treating whole distillery slop. 2,275,217; Mar. 3.

Brouse, Harold L. (See Brandt, T. F., and Brouse.)

Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. High frequency antenna. 2,275,342; Mar. 3.

Brown, Harry C., San Antonio, Tex. Hydraulic brake. 2,274,885; Mar. 3.

Brown, Horace C. (See Rheem, R. S., Brown, and Allen.)

Brown Instrument Company, The. (See Caldwell, John A,. assignor.)

Brown Instrument Company, The. (See Rolnick, Harry A., assignor.)

Brown Instrument Company, The. (See Ullman, Roy, assignor.)

Brown, Robert L., assignor to W. R. Wiley, Detroit, Mich. Clip and molding assembly. 2,275,127; Mar. 3.

Brownscombe, Philip J. (See Kende, G., and Brownscombe,)

Bruengger, Heinrich. (See Graenacher, C., Ackermann and Bruengger.)

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,275,169; Mar. 3.

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,275,170; Mar. 3.

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,275,171; Mar. 3.

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,275,172; Mar. 3.

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of styphnic acid salts. 2,275,173; Mar. 3.

Bryan, Thomas E., Fort Worth, Tex. Removable gas lift apparatus in oil wells. 2,275,345; Mar. 3.

Bryan, Thomas E., Fort Worth, Tex. Gas lift valve and surface operating mechanism. 2,275,346; Mar. 3.

Bryant, Ferrell E., Barberton, Ohio. Container combination. 2,274,973; Mar. 3.

Bryant Heater Company, The. (See Beam, Vilynn O., assignor.)

Buckeye Traction Ditcher Company, The. (See Lawler, Frank P., assignor.)

Buckley, Earl I., Sacramento, Calif. Lens system. 2,274,974; Feb. 3.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd, Edward G., Manufacturing Company. (See Watter, Michael, assignor.)

Budd, Edward G., Manufacturing Company. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter, assignors.)

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Budd Wheel Company. (See Gaenssle, Paul W., assignor.)

Buehner, William F. A., New York, N. Y. License plate holder and lock. 2,275,073; Mar. 3.

Bugenhagen, George H., Minot, N. Dak. Form tie. 2,274,773; Mar. 3.

Bundy Tubing Company. (See Wallace, Arthur M., assignor.)

Burbank, Kershaw. (See Horne, Hal, assignor.)

Burchfield, Robert D., Pittsburgh, Pa. Electrical current control and visual interpretation of electrical current. 2,275,283; Mar. 3.

Burke, James P., Struthers, Ohio, assignor to F. L. McLaughlin, Detroit, Mich. Nut. 2,274,975; Mar. 3.

Burke, James P., Struthers, Ohio, assignor to F. L. McLaughlin, Detroit, Mich. Nut. 2,274,976; Mar. 3.

Burnett, Frank, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Gear formation. 2,275,100; Mar. 3.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Caestecker, Charles E., assignor to American Molded Products Co., Chicago, Ill. Supporting hook. 2,275,007; Mar. 3.

Cahoon, Edward E., Racine, Wis. Candy forming machine. 2,274,664; Mar. 3.

Cairns, Robert W., and W. M. Cobb, Jr., assignors to Hercules Powder Company, Wilmington, Del. Dynamite improvement in water resistance by coating. 2,274,822; Mar. 3.

Caldwell, John A., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,275,246; Mar. 3.

Campbell, Charles E., South Bend, Ind., assignor of 1/10 to Walter E. Schirmer, Buchanan, Mich. Hinge construction. 2,275,128; Mar. 3.

Candy & Company. (See Candy, Albert T., Jr., assignor.)

Candy, Albert T., Jr., Glen Ellyn, assignor to Candy & Company, Inc., Chicago, Ill. Making candies. 2,274,823; Mar. 3.

Canister Company, The. (See Morgan, Harry W., assignor.)

Cantrell, Marvin L., Pueblo, William S. Boyce, Denver, and Oscar A. Hed, Pueblo, Colo. Rail fastening. 2,275,129; Mar. 3.

Carborundum Company, The. (See Melton, Romie L., assignor.)

Carey, Philip, Manufacturing Company, The. (See Greider, H. W., and MacArthur, assignors.)

Cardox Corporation. (See Armstrong, Frank H., assignor.)

Cardox Corporation. (See Ensminger, Harry, assignor.)

Cardox Corporation. (See Geertz, Eric, assignor.)

Carlson, Bert G., Willobee, and C. H. Crawley, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Selector valve. 2,274,917; Mar. 3.

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Indexing means. 2,275,284; Mar. 3.

Carr, Arthur R., Gary, Ind. Lifting device. 2,275,074; Mar. 3.

Carroll, Harold D., Marion, Ohio. Nasal respirator. 2,274,886; Mar. 3.

Cavanagh, John F., Jackson Heights, N. Y. Power driven toothbrush. 2,275,247; Mar. 3.

Celanese Corporation of America. (See Elvin, W. J., and Schulte, assignors.)

Celanese Corporation of America. (See Schneider, George, assignor.)

Celanese Corporation of America. (See Sowter, P. F. C., and Meals, assignors.)

Chambers, George W., Tucson, Ariz., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Plate forming machine. 2,275,218; Mar. 3.

Chambers, Jewel C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,274,774; Mar. 3.

Chance, A. B., Company. (See Hubbard, David C., assignor.)

Church, William H., and F. P. Alles, Buffalo, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and method for preparing same. 2,275,347; Mar. 3.

Church, William H., Buffalo, and F. P. Alles, Williamsville, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic film and making. 2,275,348; Mar. 3.

Charles, Carl L., Winnetka, Ill., assignor to Gas Tool Patents Corporation. Internal combustion percussive hammer. 2,275,285; Mar. 3.

Chenette, Joseph C., Flat Rock, Mich. Lifting and portable moving iron. 2,274,918; Mar. 3.

Chicago Forging & Manufacturing Company. (See Hill, R., and Krause, assignors.)

Chicago Forging & Manufacturing Company. (See Krause, Walter H., assignor.)

Chittick, Kenneth A., Haddonfield, and R. C. Ballard, Audubon, N. J., assignors to Radio Corporation of America. Television receiver. 2,275,028; Mar. 3.

Christian, Manfred. (See Reissner, H., and Christian.)

Chromogen, Incorporated. (See Gáspár, Béla, assignor.)

Clark Equipment Company. (See Williams, Alfred O., assignor.)

Clark, Gordon S., Yonkers, and J. H. Palmer, Scarsdale, N. Y., assignors to Phelps Dodge Copper Products Corporation, Dover, Del. Electric cable. 2,275,187; Mar. 3.

Clark, Harold W., and J. W. Dezenzo, assignors to The McCaskey Register Company, Alliance, Ohio. Calculating machine. 2,274,919; Mar. 3.

Clark, J. R., Company. (See John, Edward T., assignor.)

Clark, Noble C., Pleasant Ridge, and J. B. Menton, assignors to The Murray Corporation of America, Detroit, Mich. Window ventilator wing. 2,274,824; Mar. 3.

Clarke, Louis A., Fishkill, assignor by mesne assignments, to The Texas Company, New York, N. Y. Diesel fuel. 2,274,665; Mar. 3.

Clarke, Louis A., Fishkill, and E. F. Pevere, Beacon, N. Y., and W. N. Meyer, Pryse, Ky., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Diesel fuel. 2,274,666; Mar. 3.

Clements, Albert, Berwyn, assignor to Verson Allsteel Press Company, Chicago, Ill. Shell forming press. 2,275,174; Mar. 3.

Cleveland Pneumatic Tool Company, The. (See Griepenstroh, Arthur W., assignor.)

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Cleveland Rock Drill Company, The. (See Feuchit, A., and Schmidt, assignors.)

Cliffe, Wilfrid Herbert, Arnold Kershaw, and Arthur H. Knight, Blackley Manchester, England, assignors to Imperial Chemical Industries Limited. Disazo dyestuffs. 2,275,130; Mar. 3.

Cloud, Gould H., Linden, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,275,175; Mar. 3.

Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric. 2,275,248; Mar. 3.

Cobb, James F., Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon. Drier control. 2,275,042; Mar. 3.

Cobb, William M., Jr. (See Cairns, R. W., and Cobb, Jr.)

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,275,008; Mar. 3.

Collender, Gustave A., assignor to Six Wheels Inc., Los Angeles, Calif. Light weight floor construction. 2,275,349; Mar. 3.

Collier, Harwood H., Minneapolis, Minn., assignor to Hart-Carter Company. Apparatus for separating commingled stock. 2,274,887; Mar. 3.

Columbia Aircraft Products, Inc. (See Godfrey, Edwin H., assignor.)

Colvin, Nolan D. (See Johnson, E. T., Colvin, and Frederiksen.)

Colwell, Archie T., assignor to Thompson Products Incorporated, Cleveland, Ohio. Hollow cast metal valve. 2,274,667; Mar. 3.

Colwell, William, and C. Allen assignors to The Pied-Piper Animal Trap Company, Detroit, Mich. Universal animal trap. 2,275,043; Mar. 3.

Conlin, Edward J., assignor to The G. E. Prentice Mfg. Co., New Britain, Conn. Machine for making separable fastener elements. 2,275,131; Mar. 3.

Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Cracking oil with synthetic catalytic compositions. 2,275,176; Mar. 3.

Consolidated Expanded Metal Companies, The. (See McGee, Richard T., assignor.)

Consolidated Gas Electric Light and Power Company. (See Betz, Paul L., assignor.)

Continental Research Corporation. (See Gayer, F. H., and Fawkes, assignors.)

Contini, Renato, et al. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter.)

Cooley, Austin G., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y. Phasing arrangement for tele-facsimile machines. 2,275,249; Mar. 3.

Coppock, Thomas L., Buenos Aires, Argentina. Support for matter to be copied. 2,274,888; Mar. 3.

Cords, Albert W., Elmhurst, Ill. Shoe polishing brush. 2,275,350; Mar. 3.

Corn Products Refining Company. (See Horesi, Anthony C., assignor.)

Corning Glass Works. (See Wilson, Edgar R., assignor.)

Corson, Ben B. (See Ipatieff, V. N., and Corson.)

Covert, Stanley B., Larchmont, N. Y. Andiron. 2,274,920; Mar. 3.

Cox, Irvin W., Milwaukee, Wis., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signal device. 2,274,775; Mar. 3.

Crane, Walter B., Royal Oak, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Combination bonding and heat treating. 2,275,177; Mar 3.

Crawford, John, and H. W. Johnson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Locking means for servomotors. 2,274,668; Mar. 3.

Crawley, Charles H. (See Carlson, B. G., and Crawley.)

Creager, Frederick L., Camden, N. J., assignor to Radio Corporation of America. Indexing mechanism. 2,275,286; Mar. 3.

Croft, Hiram D., and J. Oakley, assignors to Perkins Machine and Gear Company, Springfield, Mass. Washing machine drive. 2,274,950; Mar. 3.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Carrier controlled modulator. 2,275,287; Mar. 3.

Crosthwait, David N., Jr., Chicago, Ill., and Everett W. Werts, Michigan City, Ind., assignor to C. A. Dunham Company, Marshalltown, Iowa. Discharge valve. 2,275,132; Mar. 3.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening shafts. 2,275,402; Mar. 3.

Crowley, John C., Cleveland Heights, assignor to The Dill Company, Cleveland, Ohio. Valve stem. 2,275,288; Mar. 3.

Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)

Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)

Crown, Lois B. (See Barrett, Paul D., assignor.)

Crucible Steel Company of America. (See Hopper, Edward W., assignor.)

Cull, Edwin L., assignor to The Okadee Company, Chicago, Ill. Quick-opening valve. 2,274,776; Mar. 3.

Cullen, Francis H., Philadelphia, Pa. Smoke purifier. 2,274,889; Mar. 3.

Cunningham, Charles A., New York, N. Y. Shoe heel. 2,274,890; Mar. 3.

Currie, William E. (See Soenksen, H., and Grasshof.)

Currier, Neil B., assignor of one-half to L. H. McClintock and one-half to F. L. McClintock, Los Angeles, Calif. Roll paper cutter. 2,274,977; Mar. 3.

Currier, Neil B., assignor of one-half to L. H. McClintock and one-half to F. L. McClintock, Los Angeles, Calif. Roll paper cutter. 2,274,978; Mar. 3.

Curry, Harold E., Seattle, Wash. Atomizer. 2,274,669; Mar. 3.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feed mechanism for rock drills. 2,274,670; Mar. 3.

Cusack, Charles E., et al. (See Morrison, J. H., Cusack, and Berger.)

Czapek, Emil, Berlin, Germany, assignor to Guaranty Trust Company, New York, N. Y. Coated material and method of producing same. 2,275,289; Mar. 3.

Daemen, Walter, Uster, Switzerland. Circular slide rule. 2,275,219; Mar. 3.

Daeves, Karl, and G. Becker, Dusseldorf, and F. Steinberg, Krefeld, Germany. Formation of chromium-containing layers on ferrous surfaces. 2,274,671; Mar. 3.

Dallas, William S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Nail-transferring mechanism. 2,274,777; Mar. 3.

Dallmann, Hartmutt. (See Kallmann, H. I.)

Danker, Hugo M., Berwyn, Ill. Poultry rack. 2,275,009; Mar. 3.

Dantine, Joseph A., Green Bay, Wis. Rotary power tool. 2,274,778; Mar. 3.

Darley, W. S., & Company. (See Yates, De Witt E., assignor.)

Davidson, Bruce J., Manhasset, assignor to National Biscuit Company, New York, N. Y. Carton. 2,275,134; Mar. 3.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Panel manufacture. 2,274,951; Mar. 3.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Powder distributing apparatus. 2,274,952; Mar. 3.

Davies, Edwin A., assignor to Hoffman Specialty Company, Waterbury, Conn. Adjusting means for air valves. 2,275,397; Mar. 3.

Davis, Arsbern. (See Myers, H. B., and Davis.)

Davis, Cecil B., et al. (See Betz, Weldon W., assignor.)

Davis, Daniel E., San Saba, Tex. Bearing structure. 2,274,779; Mar. 3.

Davis, Ernest F., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Method of carburizing. 2,275,133; Mar. 3.

Davis, William J. (See Kidman, B., and Davis.)

Day, Percy C., Brookfield, assignor to The Falk Corporation, Milwaukee, Wis. Power transmission mechanism. 2,275,250; Mar. 3.

Dayton Rubber Manufacturing Company, The. (See Ritzert, Norman J., assignor.)

De Beer, Frederick S., Albany, N. Y. Playing ball. 2,275,374; Mar. 3.

De Lisle, Harold L., Sheboygan, Wis. Parallel straightedge device. 2,275,251; Mar. 3.

Demuth, Galan W., Moorestown, N. J., assignor to Radio Corporation of America. Electrical musical instrument for producing bell tones. 2,275,252; Mar. 3.

De Nio, Fred, Jr. (See Briggs, D. J., and De Nio, Jr.)

Dennison, Brook J., Aspinwall, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Safety glass. 2,274,672; Mar. 3.

Deere & Company. (See Johnson, E. T., Colvin, and Frederiksen, assignors.)

Detroit Harvester Company. (See Metcalf, Edgar F., assignor.)

Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Baier, Hermann, assignor.)

Deutsche Gold-und Silber-Scheideanstalt, vormals Roessler. (See Kerstan, Walter, assignor.)

Deutsche Tafelglas Aktiengesellschaft (Detag) Fürth i. B. (See Killan, G., and Strohschneider, assignors.)

De Vault, Ralph P. (See Whann, Jesse P., assignor.)

Dewey and Almy Chemical Company. (See Shanklin, D. L., and Ross, assignors.)

Dezenzo, Jordan W. (See Clark, H. W., and Dezenzo.)

Dick, Herman J., et al. (See Schweller, S. M., Dick and Gibson.)

Dictaphone Corporation. (See Norton, Leland D., assignor.)

Dieter, William L., et al. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter.)

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dodge, Alfred W., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass tank. 2,275,010; Mar. 3.

Dorcas, Merrill J., Berea, Ohio, assignor to National Carbon Company, Inc. Irradiation method and apparatus. 2,275,375; Mar. 3.

Dorr Company, The. (See Downes, Frank A., assignor.)

Dos Reis, Dorval, Rio de Janeiro, Brazil. Apparatus for babbitting or lining bearing shells. 2,275,057; Mar. 3.

Doty, Chester C., Silver Creek, N. Y. Pipe bit. 2,275,351; Mar. 3.

Douglas & Lomason. (See Finzel, Harvey W., assignor.)

Douglas & Lomason Company. (See Wisckol, William A.)

Dover Stamping and Manufacturing Company. (See Rasmussen, Hans, assignor.)

Dow Chemical Company, The. (See Britton, E. C., and Moyle.)

Dow Chemical Company, The. (See Grebe, John J., assignor.)

Dow Chemical Company, The. (See Moyle, Clarence L., assignor.)

Downes, Frank A., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Sludge digester. 2,274,953; Mar. 3.

Drackett Company, The. (See Hieronymus, Russell H., assignor.)

Draving, Arthur M., Feasterville, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Anchoring device. 2,275,058; Mar. 3.

Drew, William F. (See Duerr, H. O., and Drew.)

Dreyer, John F., Cincinnati, Ohio, assignor to The Formica Insulation Company. Luminous laminated product and process of manufacture. 2,275,290; Mar. 3.

Driver, Wilbur B., Company. (See Allen, Victor O., assignor.)

Duerr, Harry O., and W. F. Drew, Los Angeles, Calif. Refuse and waste incinerator. 2,274,780; Mar. 3.
Dunham, C. A., Company. (See Crosthwait, D. N., Jr., and Werts, assignors.)
Duplex Printing Press Company, The. (See Chambers, George W., assignor.)
Duplex Printing Press Company. (See Ross, William P. V., assignor.)
Duplex Spherical Valve Co. Inc. (See Spinney, Frank R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Audrieth, L. F., and Sveda, assignors.)
Du Pont, E. I., de Nemours & Company. (See Charch, W. H., and Alles, assignors.)
Du Pont, E. I., de Nemours & Company. (See Coffman, Donald D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hill, Julian W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pederson, C. J., and Weinmayr, assignors.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Weinmayr, assignors.)
Du Pont, E. I., de Nemours & Company. (See Zwilgmeyer, Frithjof, assignor.)
Durante, Aristides E., Buenos Aires, Argentina. Call notifying signaling device for engaged telephones. 2,275,352; Mar. 3.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dykstra, Laurence J., and E. M. Meyer, Rochester, assignors to Victor Insulators, Inc., Victor, N. Y. High tension electric insulator and method of attaching a metal fitting thereto. 2,274,954; Mar. 3.
Dykstra, Laurence J., and E. M. Meyer, Rochester, assignors to Victor Insulators, Inc., Victor, N. Y. High tension electric insulator and method of coating same. 2,274,955; Mar. 3.
Dysthe, Martinius G., Minneapolis, Minn. Machine for cleaning small machine parts. 2,274,891; Mar. 3.
Earle, Clarence E., Washington, D. C. Lubricating composition. 2,274,673; Mar. 3.
Earle, Clarence E., Washington, D. C. Lubricant containing a lithium compound. 2,274,674; Mar. 3.
Earle, Clarence E., Washington, D. C. Lubricant containing lithium salts. 2,274,675; Mar. 3.
Earle, Clarence E., Washington, D. C. Lubricant containing lithium salts. 2,274,676; Mar. 3.
Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Conveying and treating apparatus. 2,274,677; Mar. 3.
Eby, Hugh H., Inc. (See Draving, Arthur M., assignor.)
Edison General Electric Appliance Company. (See Ettinger, Wallace J., assignor.)
Edmondson, Edward E., Canon City, Colo. Composition of matter suited to the treatment of nasal allergy and associated conditions. 2,275,292; Mar. 3.
Eger Bait Manufacturing Company. (See Eger, William F., assignor.)
Eger, William F., assignor to Eger Bait Manufacturing Company, Bartow, Fla. Securing hooks to bait plugs. 2,275,253; Mar. 3.
Eichenberger, Robert W., Nutley, assignor to Robins Conveying Belt Company, Passaic, N. J. Sealing means for conveying apparatus. 2,274,825; Mar. 3.
Eickman, Willis E. (See Spurlino, P., and Eickman.)
Eikvang, Erling K. (See Nygaard, O. L., and Eikvang.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Radial brake. 2,274,859; Mar. 3.
Electric Boat Company. (See Wheeler, Edwin B., assignor.)
Electric & Musical Industries Limited. (See White, Eric L. C., assignor.)
Eliason, Elmer, Minneapolis, Minn. Drinking trough. 2,274,678; Mar. 3.
Ellis, Bertam, executors, et al. (See Ellis, Carleton.)
Ellis, Carleton, Jr., executors, et al. (See Ellis, Carleton.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Floor tile and making same. 2,275,376; Mar. 3.
Ellis, Carleton, Montclair, N. J., deceased, C. Ellis, Jr., and B. Ellis and Bank of Montclair executors, assignors to Ellis Laboratories, Incorporated. Printing ink and process of making and using same. 2,275,101; Mar. 3.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis Laboratories, Incorporated. (See Ellis, Carleton, assignor.)
Elsey, Warren R., Wynnewood, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Refrigerator car. 2,274,679; Mar. 3.
Elvin, William J., Frostburg, and F. W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America. Textile apparatus. 2,274,826; Mar. 3.
Emmerich, Julius, assignor to A. L. Siegel Co., Inc., Newark, N. J. Beading machine. 2,274,827; Mar. 3.
Engert, George J., Spokane, Wash. Folding leg structure. 2,275,353; Mar. 3.
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method of and apparatus for making closure caps. 2,275,220; Mar. 3.
Ensminger, Harry, assignor to Cardox Corporation, Chicago, Ill. Method and apparatus for insulation and cooling stationary induction devices. 2,274,781; Mar. 3.
Epstein, David W., Merchantville, N. J., assignor to Radio Corporation of America. Cathode ray tube. 2,275,029; Mar. 3.
Epstein, Jess, Westmont, N. J., assignor to Radio Corporation of America. Turnstile antenna. 2,275,030; Mar. 3.
Erich, William J., Lodi, Calif. Inertia switch. 2,275,011; Mar. 3.
Erland af Kleen, Nils, Oxford, England. Absorption and adsorption refrigerating apparatus. 2,274,680; Mar. 3.
Erland af Kleen, Nils, Stockholm, Sweden. Absorption refrigerating apparatus. 2,275,031; Mar. 3.
Esnault-Pelterie, Robert, Boulogne-Billancourt, France, assignor to Spladis, Societe pour l'Application d'Inventions Scientifiques, Grand Duchy of Luxembourg. Control apparatus for land, marine, and aerial vehicles. 2,274,734; Mar. 3.
Ettinger, Wallace J., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Temperature control device. 2,275,193; Mar. 3.
Etter, Walter E. (See Neiss, H. V., and Etter.)
Ewins, Arthur J., and M. A. Phillips, Romford, assignors to May & Baker, Limited, London, England. Preparation of new therapeutically useful heterocyclic compounds. 2,275,354; Mar. 3.
Eyerly, Lee U., Salem, Oreg. Operating mechanism for amusement devices. 2,274,956; Mar. 3.
Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Perforator. 2,275,012; Mar. 3.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Falk Corporation, The. (See Bade, Alfred G., assignor.)
Falk Corporation, The. (See Day, Percy C., assignor.)
Falk Corporation, The. (See Wiken, Ralph, assignor.)
Falloon, Shirley W. H. W., Chelmsford, England, assignor to Radio Corporation of America. Directional radio transmitting and receiving system. 2,275,254; Mar. 3.
Farnsworth Television and Radio Corporation. (See Nelson, Arthur L., assignor.)
Farr, William W., et al. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter.)
Farquhar, Robert H., Philadelphia, Pa. Bowling alley. 2,275,222; Mar. 3.
Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Butadiene extraction. 2,275,135; Mar. 3.
Fawkes, Charles E. (See Gayer, F. H., and Fawkes.)
Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiver. 2,275,389; Mar. 3.
Fernseh G. m. b. H. (See Heim, Max, assignor.)
Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuits. 2,275,136; Mar. 3.
Feucht, Albert, Garfield Heights, and T. A. Schmidt, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel centralizer. 2,274,698; Mar. 3.
"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Adam, Hermann, assignor.)
Filben, Bernice M., administratrix. (See Filben, William M.)
Filben, William M., St. Paul, Minn., deceased. B. M. Filben, administratrix. Automatic phonograph. 2,274,921; Mar. 3.
Finken, Walter S., Brooklyn, N. Y., assignor of one-half to B. Johnsen, Summit, N. J. Pump and air separator. 2,275,355; Mar. 3.
Finzel, Harvey W., assignor to Douglas & Lomason, Detroit, Mich. Die device. 2,274,828; Mar. 3.
Fischer, Emil, Essen, Germany. Reaction vessel. 2,274,922; Mar. 3.
Fitz Simmons, Edward S., Library, assignor to Flannery Bolt Company, Bridgeville, Pa. Telltale hole opener for staybolts. 2,275,102; Mar. 3.
Flannery Bolt Company. (See Fitz Simmons, Edward S., assignor.)
Fletcher, Ed, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Winding mechanism and method. 2,274,681; Mar. 3.
Flint & Walling Manufacturing Co. (See Lung, Kenneth R., assignor.)
Foley, John B., Chicago, Ill. Container, display and dispenser. 2,275,293; Mar. 3.
Food Machinery Corporation. (See Magnuson, Roy M., assignor.)
Ford, David O., Petersburg, Va. Luminous sign. 2,274,682; Mar. 3.
Ford Motor Company. (See Crawford, J., and Johnson, assignors.)
Formica Insulation Company, The. (See Dreyer, John F., assignor.)
Fox, Alexander P. (See Barks, F. S., and Fox.)
Fox, Joseph C., Seattle, Wash. Automobile door pull. 2,274,892; Mar. 3.
Frankel, Edward T. (See Perényi, Pirie H., assignor.)
Fraser, George H., Brooklyn, N. Y. Engine. 2,274,683; Mar. 3.

Frederiksen, Carl J. (See Johnson, E. T., Colvin and Frederiksen.)
Freedman, Hyman, Brooklyn, N. Y. Dental apparatus. 2,274,893; Mar. 3.
Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure braking system. 2,275,255; Mar. 3.
Frenette, Edward B., Duluth, Minn. Receptacle. 2,274,979; Mar. 3.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacturing motor fuel. 2,275,377; Mar. 3.
Fried, Joseph A., Haddon Heights, N. J., assignor to Radio Corporation of America. Piezometer. 2,275,256; Mar. 3.
Friestedt, Arthur A., Chicago, Ill. Determining the angular relation between wheel axes. 2,275,137; Mar. 3.
Fuchs, Fritz E., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Flotation for sylvinite ores. 2,275,138; Mar. 3.
Funk, Truman B., assignor to "Yard-Man," Inc., Jackson, Mich. Floor sweeper. 2,275,356; Mar. 3.
Gaenssle, Paul W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,274,860; Mar. 3.
Gage, George J., Los Angeles, Calif. Treating motion picture films. 2,275,139; Mar. 3.
Gaines, Walter S., Chagrin Falls, Ohio. Vacuum cleaner nozzle. 2,275,357; Mar. 3.
Gargiule, Samuel, and F. Taranta, Plainfield, N. J. Lawn mower attachment. 2,275,359; Mar. 3.
Gargiule, Samuel, and F. Taranta, Plainfield, N. J. Rotary rake attachment. 2,275,360; Mar. 3.
Gas Tool Patents Corporation. (See Charles, Carl L., assignor.)
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Light-sensitive photographic material. 2,274,782; Mar. 3.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Manufacture of dry-gummed flexible sheet material. 2,275,059; Mar. 3.
Gayer, Frederick H., and C. E. Fawkes, Chicago, assignors to Continental Research Corporation, Chicago Heights, Ill. Refining and obtaining valuable products from tall oil. 2,275,075; Mar. 3.
Gear Grinding Company Limited, The. (See Orcutt, Arthur H., assignor.)
Geertz, Eric Glen Ellyn, assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing apparatus. 2,274,783; Mar. 3.
Geertz, Eric, Glen Ellyn, assignor to Cardox Corporation, Chicago, Ill. Fire protection system for large airports. 2,274,784; Mar. 3.
Geigy, J. R., A. G. (See Bindler, Jakob, assignor.)
Geist, Irving, New York, N. Y. Adjustable cuff for garments. 2,274,980; Mar. 3.
General Aniline & Film Corporation. (See Zeh, Walter, assignor.)
General Electric Company. (See Bailey, Carl Z., assignor.)
General Electric Company. (See Harrington, Richard H., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Norgaard, Donald E., assignor.)
General Electric Company. (See Patnode, W. I., and Scheiber, assignors.)
General Motors Corporation. (See Chambers, Jewel C., assignor.)
General Motors Corporation. (See Holmes, John R., assignor.)
General Motors Corporation. (See Murden, William T., assignor.)
General Motors Corporation. (See Schweller, S. M., Dick, and Gibson, assignors.)
General Motors Corporation. (See Shippy, Leo C., assignor.)
General Steel Castings Corporation. (See Travilla, J. C., Jr., and Jackson, assignors.)
Genesy Electric Lantern Company. (See Patche, Henry B., assignor.)
Genter, Harold C. (See Sardeson, Robert, assignor.)
Germond, John W. (See Wilson, F. V., Jr., and Germond.)
Gibson, Lowell J., et al. (See Schweller, S. M., Dick, and Gibson.)
Glasby, Jonathan P., Jr., Verona, assignor to J. P. Glasby Manufacturing Co., Inc., Bloomfield, N. J. Air conditioning device. 2,275,358; Mar. 3.
Glasby, J. P., Manufacturing Co. (See Glasby, Jonathan P., Jr., assignor.)
Gleason, George A. (See Brickman, A. E., and Gleason.)
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gleitsman, Harold, New York, N. Y. Hamper. 2,275,257; Mar. 3.
Glidden Company, The. (See Heberer, A. J., and Phillips, assignors.)
Godfrey, Edwin H., Wenonah, N. J., assignor, by mesne assignments, to Columbia Aircraft Products, Inc. Adjustable pitch propeller. 2,275,361; Mar. 3.
Golden, Abraham H., and C. Ledin, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,275,362; Mar. 3.
Gollmar, Herbert A., Caldwell, N. J., and B. J. C. van der Hoeven, Pittsburgh, Pa., assignors to Koppers Company. Gas treatment process. 2,275,294; Mar. 3.
Gooch, Claiborne W., Jr., and C. B. Rockhill, assignors to Mollins Machine Company, Inc., Richmond, Va. Tobacco leaf-cutting machine. 2,275,103; Mar. 3.
Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Filter medium and filter body made therefrom. 2,274,684; Mar. 3.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Elimination of spurious additions to radio signals. 2,274,829; Mar. 3.
Goldring, Edward A. H., Welwyn Garden City, assignor to Murphy Radio Limited, London, England. Flashlight synchronizing apparatus. 2,275,221; Mar. 3.
Goodin, Robert L., Oakland, Calif. Material measuring and dispensing machine. 2,275,140; Mar. 3.
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Eyeleting machine. 2,274,685; Mar. 3.
Gould, Harold L. B., Towaco, B. A. Kingsbury, East Orange, and V. E. Legg, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor and manufacturing the same. 2,274,830; Mar. 3.
Graenacher, Charles, Riehen, F. Ackermann, Binningen, and H. Bruengger, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Amides acylated with acylating agents containing a water solubilizing group. 2,275,013; Mar. 3.
Grashof, Herbert. (See Soenksen, H., and Grashof.)
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,274,686; Mar. 3.
Gray Metal Products, Inc. (See Gray, William J., assignor.)
Gray, Russell J., Minneapolis, Minn. Crankcase ventilating system. 2,274,894; Mar. 3.
Gray, William J., assignor to Gray Metal Products, Inc., Rochester, N. Y. Duct joint. 2,274,785; Mar. 3.
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Preparation of phenols. 2,275,044; Mar. 3.
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Recovery of phenols from aqueous solutions of their salts. 2,275,045; Mar. 3.
Green, Noel B., assignor to The Titan Valve and Manufacturing Co., Cleveland, Ohio. Thermostatic pilot valve mechanism. 2,274,786; Mar. 3.
Greenway, George H., Dallas, Tex. Air conditioning unit. 2,275,295; Mar. 3.
Greider, Harold W., and R. A. MacArthur, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Manufacture of basic magnesium carbonate and heat insulation material comprising same. 2,275,032; Mar. 3.
Greulich, Gerald G., Mount Lebanon, Pa. Grating structure. 2,275,104; Mar. 3.
Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Flame hardening device. 2,274,861; Mar. 3.
Griepenstroh, Arthur W., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber. 2,274,688; Mar. 3.
Griffin, Don W., Severna Park, Md. Hydrometric gauging cup. 2,274,689; Mar. 3.
Griffin, Raymond W., Hartford, Conn. Table. 2,275,060; Mar. 3.
Groen, Christopher, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Diverter valve. 2,274,787; Mar. 3.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Tank refill and air gap. 2,274,862; Mar. 3.
Greulich, Gerald G., Mount Lebanon, Pa. Grating structure. 2,275,105; Mar. 3.
Grubb, Robert C., San Francisco, Calif. Tool. 2,274,981; Mar. 3.
Guaranty Trust Company. (See Czapek, Emil, assignor.)
Guardian Electric Manufacturing Company. (See Nelsen, Marvin G., assignor.)
Guhne, Karl J., Rochester, N. Y. Folding pocket. 2,275,363; Mar. 3.
Guillow, Paul K. (See Taylor, George M., assignor.)
Gulf Research & Development Company. (See Ritzmann, Otto F., assignor.)
Gumm, Frederick, Chemical Co. (See Sizelove, Robert R., assignor.)
Gurney, Daniel, Jamestown, N. Y., and M. A. Hollengreen, assignors to Landis Tool Company, Waynesboro, Pa. Size regulator. 2,275,141; Mar. 3.
Habermann, Hans, et al. (See Bernhard, A., Beyrich, and Habermann.)
Hagen, Gerhard B., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio direction finder. 2,275,296; Mar. 3.
Hague, Ernest N., assignor to Universal Oil Products, Chicago, Ill. Treatment of hydrocarbons. 2,275,178; Mar. 3.

Habler, Frank, Tiffin, Ohio. Adjustable roof scaffolding support. 2,275,014; Mar. 3.
Hale, John D., assignor to Harnischfeger Corporation, Milwaukee, Wis. Friction band actuator. 2,275,142; Mar. 3.
Halliburton Oil Well Cementing Company. (See Stoddard, Albert D., assignor.)
Hammond, Elsie M., Hackensack, N. J. Receptacle bottom. 2,274,982; Mar. 3.
Hammond, John H., Jr. (See Purington, Ellison S., assignor.)
Haniquet, George, Glendale, Calif. Traversing hoist. 2,274,895; Mar. 3.
Hankscraft Company. (See Hanks, Marshall W., assignor.)
Hanks, Marshall W., assignor to Hankscraft Company, Madison, Wis. Time switch. 2,275,143; Mar. 3.
Hanover Shoe, Inc., The. (See Young, Alfred, assignor.)
Hanover Shoe, Inc., The. (See Lowe, Ross H., assignor.)
Hansen, Jes I., Denver, Colo. Polsing tool for watchmakers. 2,275,144; Mar. 3.
Hansen Mfg. Company. (See Hansen, W. L., and Hurst, assignors.)
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Synchronous motor. 2,274,957; Mar. 3.
Hanson, Daniel M., Austin, Minn. Draft regulator. 2,274,690; Mar. 3.
Hardoen, Robert H., Xenia, Ohio. Rustproof material and process. 2,275,223; Mar. 3.
Hardtmuth, L. & C., Inc. (See Watslawik, Emil, assignor.)
Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Pulverized fuel burning apparatus. 2,275,394; Mar. 3.
Harnischfeger Corporation. (See Hale, John D., assignor.)
Harnischfeger Corporation. (See Wendelburg, F. W., and Wadd, assignors.)
Harriman Hosiery Mills. (See Williams, Rufus C., assignor.)
Harrington, Richard H., Schenectady, N. Y., assignor to General Electric Company. Double aged copper base alloys. 2,275,188; Mar. 3.
Harris, Ford W., Los Angeles, assignor to Salsbury Corporation, Inglewood, Calif. Clutch. 2,275,046; Mar. 3.
Harris, Thaddeus S., Waverly, Ill. Deep well and cistern automatic pumping plant. 2,275,364; Mar. 3.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,275,145; Mar. 3.
Hart-Carter Company. (See Collier, Harwood H., assignor.)
Hartford-Empire Company. (See Merrill, Donald G., assignor.)
Hartford-Empire Company. (See Mongan, Charles E., Jr., assignor.)
Harwood, Kenneth J. (See Klock, G. E., and Harwood.)
Hasler A.-G. Werke für Telephonie & Präzisions mechanik. (See Oschensenbein, Walter, assignor.)
Hastings, James E., assignor to The L. S. Starrett Company, Athol, Mass. Tape reel. 2,275,258; Mar. 3.
Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)
Hatton, John, Kansas City, Mo. Tennis racket and the like. 2,274,788; Mar. 3.
Haughton Elevator Company, The. (See Hohnecker, Otto, assignor.)
Hauswirth, Vernon O. (See Zink, W. L., and Hauswirth.)
Hautsch, Hans, Meuselwitz/Thur, Germany. Machine drive and control therefor. 2,274,958; Mar. 3.
Hayden, Joseph T., Philadelphia, Pa. Walking doll. 2,275,047; Mar. 3.
Hayes, Carl I., Providence, R. I. Circulation of heat treatment atmospheres. 2,275,106; Mar. 3.
Haynes, Gerard M., Eagle Rock, Calif. Fishing float. 2,275,076; Mar. 3.
Hazel-Atlas Glass Company. (See Dodge, Alfred W., assignor.)
Headbloom, Gust E., and P. T. Peterson, assignors to Apex Broach Company, Detroit, Mich. Wheel dressing fixture. 2,274,959; Mar. 3.
Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion process. 2,274,634; Mar. 3.
Heard, Llewellyn. (See Pitzer, E. C., and Heard.)
Hearnshaw, Frank J., Chicago, Ill. Golf bag support. 2,275,297; Mar. 3.
Heavens, E. M., et al. (See Huge, Henry M., assignor.)
Heberer, Albert J., River Forest, and C. H. Phillips, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Protein composition of improved water resistance. 2,274,695; Mar. 3.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Band saw. 2,274,923; Mar. 3.
Hed, Oscar A. (See Cantrell, M. L., Boyce and Hed.)
Heil, Theodore, Berkeley, Calif. Ball game. 2,275,179; Mar. 3.
Heim, Max, Berlin-Lankwitz, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany. Mold for shaping glass bulbs. 2,274,691; Mar. 3.
Heim, Max, Berlin-Lankwitz, assignor to Fernseh G. m. b. H. Berlin-Zehlendorf, Germany. Making covers for electric discharge tubes. 2,274,692; Mar. 3.
Heinrich, Hans, Stuttgart, A. Schweizer, Vaihingen a. F., and M. Hurst, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany. Governor apparatus for the fuel delivery of Diesel and other injection internal combustion engines. 2,274,693; Mar. 3.
Hemphill Company. (See Cloutier, Arthur N., assignor.)
Henderson, Edward E. (See Meeker, D. O., and Henderson.)
Henroteau, François C. P., Ottawa, Ontario, Canada. Multiplex communication system. 2,275,224; Mar. 3.
Henry, Beulah L., New York, N. Y. Eye structure for dolls. 2,274,694; Mar. 3.
Hercules Powder Company. (See Cairns, R. W., and Cobb, Jr., assignors.)
Herrin, Charles W., Kansas City, Mo. Automatic sizing apparatus. 2,274,960; Mar. 3.
Herring, Frank W. (See Avard, R. T., and Herring.)
Hershey, Harry E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Carrier current control system. 2,275,146; Mar. 3.
Hershey, Harry E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Carrier current system. 2,275,147; Mar. 3.
Heywood-Wakefield Company. (See Hill, Oiva E., assignor.)
Hieronymus, Russell H., assignor to The Drackett Company, Cincinnati, Ohio. Treating protein. 2,274,983; Mar. 3.
Higgins, Howard L., Leesburg, Ohio. Barber's comb. 2,275,077; Mar. 3.
Hill, Edward J., San Diego, Calif. Clipper blade. 2,274,924; Mar. 3.
Hill, Julian W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides and their preparation. 2,274,831; Mar. 3.
Hill, Oiva E., assignor to Heywood-Wakefield Company, Gardner, Mass. Reversing seat base with forward shift. 2,274,896; Mar. 3.
Hill, Rowland, and W. H. Krause, assignors to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch and operating means therefor. 2,274,696; Mar. 3.
Hintze, Rudolf, Berlin-Charlottenburg, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany. Refrigerator. 2,275,365; Mar. 3.
Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Flexible coupling. 2,274,832; Mar. 3.
Hobbs, John W., Corporation. (See Hobbs, John W., assignor.)
Hohnecker, Otto, assignor to The Haughton Elevator Company, Toledo, Ohio. Handrail for moving stairways. 2,275,048; Mar. 3.
Hollengreen, Milburn A. (See Gurney, D., and Hollengreen.)
Hollis, John, Tulsa, Okla. Receptacle. 2,275,078; Mar. 3.
Holmes, John R., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Radiator tank fitting. 2,275,107; Mar. 3.
Holsclaw, Neil, Chicago, assignor of one-half to F. E. Sudlow, Rock Island, Ill. Clipper. 2,275,180; Mar. 3.
Homasote Company. (See Wilson, F. V., Jr., and Germond, assignors.)
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See MacFarland, Charles H., assignor.)
Hoover Company, The. (See Nelson, R. S., and Siedle, assignors.)
Hoover Company, The. (See White, Harry B., assignor.)
Hopper, Edward W., Midland, Pa., assignor, by mesne assignments, to Crucible Steel Company of America. Plating tin and tin alloys. 2,274,963; Mar. 3.
Horesi, Anthony C., Downers Grove, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of dextrine. 2,274,789; Mar. 3.
Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Producing wheel and axle assemblies. 2,274,961; Mar. 3.
Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Wheel and axle assembly. 2,274,962; Mar. 3.
Hornbeck, Richard E., assignor to Waxide Paper Company, Kansas City, Mo. Preparing paper stock for application of a moisture-resistant material. 2,275,148; Mar. 3.
Horne, Hal, assignor to Kershaw Burbank, doing business as Sing-A-Tina Studio, New York, N. Y. Musical instrument. 2,274,897; Mar. 3.
Houde Engineering Corporation. (See Magrum, Gervase M., assignor.)
Housley, George L., South Bend, Ind. Dispensing device. 2,274,790; Mar. 3.
Howard, David J., assignor to Quaker Manufacturing Company, Chicago, Ill. Oil burner. 2,275,149; Mar. 3.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Apparatus for wrapping armor on conductors. 2,274,833; Mar. 3.
Hubbell, Wilbert H., Washington, D. C. Milk custard beverage. 2,275,225; Mar. 3.

Huebner, Samuel A., Forest Junction, Wis. Modernizing wood wagon wheels. 2,274,984; Mar. 3.
Hudson, Alden. (See Hudson, David W., assignor.)
Hudson, David W., assignor to Alden Hudson, Green Bay, Wis. Connector. 2,275,226; Mar. 3.
Huge, Henry M., Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to C. P. Stocker. Static frequency changer. 2,274,925; Mar. 3.
Hugenholtz, Eduard H., Hilversum, Netherlands, assignor to Radio Corporation of America. Radio course indicator. 2,275,298; Mar. 3.
Huggins, William H., Janesville, Wis. Goggles. 2,274,791; Mar. 3.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spot lamp attachment. 2,275,299; Mar. 3.
Humoco Corporation. (See Moore, George A., assignor.)
Hungerbühler, August, assignor to Landis & Gyr. A.-G., Zug, Switzerland. Watt-hour meter. 2,275,015; Mar. 3.
Hunter, William T., Ann Arbor, Mich. Washing apparatus. 2,275,366; Mar. 3.
Hurst, Ira N. (See Hansen, W. L., and Hurst.)
Hurst, Max. (See Heinrich, H., Schweizer and Hurst.)
Hutchinson, William P., and A. S. McIntire, assignors to The Sprague Meter Company, Bridgeport, Conn. Meter structure incorporating pressure relieving devices. 2,274,697; Mar. 3.
Hutzenlaub, Eugen. (See Michel, K., and Hutzenlaub.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kallmann, H. I., and Kuhn, assignors.)
Ideal Manufacturing Co. (See Smith, Ray F., assignor.)
Imperial Chemical Industries Limited. (See Cliffe, W. H., Kershaw and Knight, assignors.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,275,061; Mar. 3.
Ingram, George E., Chicago, Ill. Brake. 2,275,079; Mar. 3.
International Business Machines Corporation. (See Johnson, Reynold B., assignor.)
International Cellucotton Products Company. (See Klock, G. E., and Harwood, assignors.)
International Smelting and Refining Company. (See Stockdale, S. W., and Weaver, assignors.)
Ipatieff, Vladimir N., and Ben B. Corson, assignors to Universal Oil Products Company, Chicago, Ill. Hydrogenating hydrocarbons. 2,275,181; Mar. 3.
Ipatieff, Vladimir N., and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,275,182; Mar. 3.
Ira, Clarence J., Portland, Oreg., assignor to The National Cash Register Company, Dayton, Ohio. Paper feeding means for accounting machines and the like. 2,274,834; Mar. 3.
Irving Air Chute Co. Inc. (See Smith, Floyd, assignor.)
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical apparatus. 2,274,687; Mar. 3.
Jackson, Edwin C. (See Travilla, J. C., Jr., and Jackson.)
Jacobs, Frank C., New Kensington, Pa. Metallic filamentous material. 2,274,699; Mar. 3.
James, Robert S., Pittsburgh, Pa. Electric rail connector. 2,275,367; Mar. 3.
James, Russell F., New Orleans, La. Apparatus and method for resurfacing bearings. 2,274,964; Mar. 3.
Jenks, Clifton E., Willoughby, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 2,274,700; Mar. 3.
Jenks, Clifton E., Willoughby, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 2,274,701; Mar. 3.
Jenne, Kenneth C., and G. F. Manion, Lake Worth, Fla. Lumber hook or the like. 2,274,985; Mar. 3.
Jennings, Arthur L., Lancaster, Pa., and W. F. Mitchell, Fulton, and E. A. Worm, Jr., Oswego, N. Y., assignors to Armstrong Cork Company, Lancaster, Pa. Impregnating webs. 2,274,792; Mar. 3.
Jensen, Herman G. (See Kennedy, M. W., and Jensen.)
Jochim, Helmer R., assignor to Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencil. 2,274,702; Mar. 3.
John, Edward T., assignor to J. R. Clark Company, Minneapolis, Minn. Ironing table top. 2,274,703; Mar. 3.
Johnsen, Bjournulf. (See Finken, Walter S., assignor.)
Johnson, Ellsworth T., N. D. Colvin, and C. J. Frederiksen, assignors to Deere & Company, Moline, Ill. Mower. 2,275,259; Mar. 3.
Johnson, Harold W. (See Crawford, J., and Johnson.)
Johnson, Howard A. (See Adams, B. F., and Johnson.)
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled perforating machine. 2,275,396; Mar. 3.
Johnson, Tomlinson F., Atlanta, Ga. Fuse switch. 2,274,898; Mar. 3.
Johnson, Tomlinson F., Atlanta, Ga. Connecting means. 2,274,899; Mar. 3.
Johnson, Treat B., Bethany, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa. Polyalkylene ether disulfonyl halides and making them. 2,275,378; Mar. 3.
Johnson, Treat B., Bethany, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa. Polyalkylene ether sulfonyl amides. 2,275,379; Mar. 3.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,275,197; Mar. 3.
Josephs, Henry, New York, N. Y. Toilet accessory. 2,275,183; Mar. 3.
Kalisz, Steve, Chicago, Ill. Auto signal. 2,275,260; Mar. 3.
Kallmann, Hartmut I., formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Method of investigating substances. 2,274,900; Mar. 3.
Kallmann, Hartmut I., formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for showing the distribution of the intensity in a neutron beam. 2,274,901; Mar. 3.
Kaminow, Nathan, Long Beach, N. Y. Producing lace strips. 2,275,227; Mar. 3.
Karrick, Lewis C., Salt Lake City, Utah. Building material and making the same. 2,274,705; Mar. 3.
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kaufman, Hiram J., Detroit, Mich. Apparatus for conditioning air. 2,274,704; Mar. 3.
Kaufman, Joseph M. S. (See Krasnow, S., and Kaufman.)
Kearney & Trecker Corporation. (See Armitage, J. B., and Barker, assignors.)
Keasbey & Mattison Company. (See Neve, Kenneth, assignor.)
Keating, Allen W., Wilmington, Del. Garment conveyer. 2,274,793; Mar. 3.
Kelm, Laurence A., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process of making a light polarizing medium. 2,274,706; Mar. 3.
Keller, Edwin W., Allentown, Pa. Polish. 2,275,049; Mar. 3.
Kelly, William, Grand Island, Nebr. Machine for making concrete casings. 2,275,080; Mar. 3.
Kende, George, New York, N. Y., and P. J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Camera. 2,274,707; Mar. 3.
Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Handling material. 2,274,708; Mar. 3.
Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)
Kenney, Mahlon W., Oak Park, and H. G. Jensen, assignors to Rayolite Rifle Range Company, Chicago, Ill. Electric rifle. 2,275,150; Mar. 3.
Kershaw, Arnold. (See Cliffe, W. H., Kershaw and Knight.)
Kerstan, Walter, assignor to Deutsche Gold-und Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Opacifier for enamels. 2,275,261; Mar. 3.
Kidman, Bert, Huron, S. Dak., and W. J. Davis, Mandan, N. Dak., dedicated to the free use of the People of the United States of America. Rotary weeder for single row cultivators. 2,275,380; Mar. 3.
Kies, Mary R. (See Lyndes, H. J., and Kies.)
Kilian, Georg, Weiden/Opf. and R. Strohschneider, Nuremberg, assignors to Deutsche Tafelglas Aktiengesellschaft (detag), Fürth i. B., Germany. Drawing sheet glass. 2,274,986; Mar. 3.
Kimberlin, Charles N., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of ethyl chloride from ethyl chloride-butane mixtures. 2,275,151; Mar. 3.
Kimmich, William, Flushing, N. Y., assignor to Radio Corporation of America. Speed regulator for electric motors. 2,274,926; Mar. 3.
Kingsbury, Burton A. (See Gould, H. L. B., Kingsbury, and Legg.)
Kitchen, Jae D., Caro, Mich. Jack structure. 2,274,794; Mar. 3.
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,274,965; Mar. 3.
Klock, George E., and K. J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Buckle applying machine. 2,274,795; Mar. 3.
Kluge, Eneval, assignor to Brandtjen & Kluge, Inc., St. Paul, Minn. Roller mounting. 2,274,796; Mar. 3.
Kluge, Eneval, assignor to Brandtjen & Kluge, Inc., St. Paul, Minn. Valve mechanism for pneumatic sheet feeding devices. 2,274,797; Mar. 3.
Knight, Arthur H. (See Cliffe, W. H., Kershaw and Knight.)
Knight, Morrell A., assignor to Kut-Kwick Tools, Inc., Brunswick, Ga. Portable timber cutting apparatus. 2,274,902; Mar. 3.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical image production. 2,274,709; Mar. 3.

Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical image production. 2,274,710; Mar. 3.

Koch, George T., assignor to The Murray Corporation of America, Detroit, Mich. Constructing cylinders. 2,274,835; Mar. 3.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Control system. 2,275,016; Mar. 3.

Koppers Company. (See Gollmar, H. A., and van der Hoeven, assignors.)

Koppers Company. (See Koppers, Heinrich, assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Stamping equipment for molding coal. 2,275,398; Mar. 3.

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Process for the removal of phenol from gas and weak ammonia liquors. 2,275,399; Mar. 3.

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coke oven door. 2,275,400; Mar. 3.

Kostal, Rudolph, Ajo, Ariz. Electrical fixture. 2,274,798; Mar. 3.

Krause, Albert W., Evanston, Ill. Temperature control system. 2,275,368; Mar. 3.

Kut-Kwick Tools, Inc. (See Knight, Morrell A., assignor.)

Koster, William A., Highland Park, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Oil pump for transmissions. 2,274,836; Mar. 3.

Kotzschmar, Arnold. (See Scheuermann, A., Meisenheimer, and Kotzschmar.)

Krasnow, Shelley, New York, N. Y., and J. M. S. Kaufman, Washington, D. C. Electrical prospecting apparatus. 2,274,903; Mar. 3.

Kraus, John D. (See Abbott, E. J., and Kraus.)

Krause, Walter H., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 2,274,711; Mar. 3.

Krause, Walter H. (See Hill, R., and Krause.)

Kroemer, Joseph E., St. Paul, Minn. Carton opener. 2,274,799; Mar. 3.

Kroner, Friedrich, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden. Article embodying thin foils or sheets. 2,274,712; Mar. 3.

Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)

Kushera, William H., New York, N. Y., assignor to Fred M. Brackett, Topeka, Kans. Post for jogging machines. 2,274,713; Mar. 3.

L. G. S. Spring Clutches, Incorporated. (See Starkey, William C., assignor.)

Ladue, Robert, Minneapolis, Minn. Signal or indicating device. 2,275,300; Mar. 3.

Landis & Gyr., A.-G. (See Hungerbühler, August, assignor.)

Landis Tool Company. (See Gurney, D., and Hollengreen, assignors.)

Lankelma, Herman P. (See Musselman, J. M., and Lankelma.)

Lankford, Francis M., Houston, Tex. Sleeve type piston rod. 2,274,927; Mar. 3.

LaPointe Machine Tool Company, The. (See Monroe, Kenneth C., assignor.)

Lathey, Myron A., Ottawa, Ontario, Canada. Plate printing. 2,275,062; Mar. 3.

Laurent, Milton P., Houston, Tex. Coupling. 2,275,301; Mar. 3.

Lawler, Frank P., Chicago, Ill., assignor to The Buckeye Traction Ditcher Company. Trailbuilder. 2,275,391; Mar. 3.

Lawler, Frank P., Huntington Park, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trail builder attachment for tractors. 2,274,904; Mar. 3.

Lawler, Frank P., Huntington Park, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio. Ground working attachment for tractors. 2,275,390; Mar. 3.

Lawson, Fred E., Philadelphia, Pa. Venetian blind. 2,274,837; Mar. 3.

Lazier, Wilbur A. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating aliphatic carboxylic acid anhydrides. 2,275,152; Mar. 3.

Ledin, Charles. (See Golden, A. H., and Ledin.)

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Spring suspension system. 2,275,153; Mar. 3.

Leeds & Northrup Company. (See Mead, Harold G., assignor.)

Legg, Victor E. (See Gould, H. L., Kingsbury, and Legg.)

Leishman, Le Roy J., Los Angeles, Calif. Locking means for automatic tuners. 2,275,369; Mar. 3.

Lester Engineering Company. (See Lester, Nathan, assignor.)

Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Pressure casting machine nozzle shut-off. 2,274,800; Mar. 3.

Leuser, Josef, Pforzheim, Germany. Soldering alloy. 2,274,863; Mar. 3.

Levanas, John, Cicero, Ill. Grease gun. 2,275,108; Mar. 3.

Levkoff, David, Brooklyn, N. Y. Folding box. 2,274,714; Mar. 3.

Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)

Lewis, Howard B., Venice, assignor to Salsbury Corporation, Los Angeles, Calif. Subframe for motor vehicles. 2,275,050; Mar. 3.

Lewis, Lawrence W., Beverly Hills, Calif. Dehydration and curing of vegetable materials. 2,274,905; Mar. 3.

Lieber, Eugene, Staten Island, and M. E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company. Polymerization product and preparing and using same. 2,274,864; Mar. 3.

Lincoln Engineering Company. (See Barks, F. S., and Fox, assignors.)

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Circuit interrupter. 2,274,838; Mar. 3.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Calling apparatus. 2,274,715; Mar. 3.

Long, Frank V. (See Pfeiffer, Walter, assignor.)

Lowe, Ross H., assignor to The Hanover Shoe, Inc., Hanover, Pa. Box toe heater. 2,275,370; Mar. 3.

Lowry, William G., Cincinnati, Ohio. Water main cleaning device. 2,275,190; Mar. 3.

Lundvall, John S., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Refrigerator construction. 2,274,906; Mar. 3.

Lung, Kenneth R., assignor to Flint & Walling Manufacturing Co., Inc., Kendallville, Ind. Self-injector rotary pump. 2,274,987; Mar. 3.

Lyford, Chauncey A., Elma, N. Y., assignor to Allied Chemical & Dye Corporation. Carboxylic acid amide derivatives and method of making. 2,274,716; Mar. 3.

Lyford, Chauncey A., Elma, N. Y., assignor to Allied Chemical & Dye Corporation. Azo derivatives of carboxylic acid amides and method of making. 2,274,717; Mar. 3.

Lyndes, Helen J., and M. R. Kies, Cleveland, Ohio. Pocketbook. 2,274,718; Mar. 3.

Lyon, George A., Allenhurst, N. J. Applying ornamentation. 2,274,719; Mar. 3.

MacArthur, Roger A. (See Greider, H. W., and MacArthur.)

MacFarland, Charles H., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,274,966; Mar. 3.

Machlett, Raymond R., Riverside, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. X-ray tube. 2,274,865; Mar. 3.

Machlett Laboratories Incorporated. (See Machlett, Raymond R., assignor.)

Mack Manufacturing Corporation. (See Koster, William A., assignor.)

Madala, Joseph A., Chicago, Ill. Making mosaic. 2,274,907; Mar. 3.

Magnuson, Roy M., assignor to Food Machinery Corporation, San Jose, Calif. Adjustable axle construction. 2,275,302; Mar. 3.

Magrum, Gervase M., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorbing structure for airplane landing gears. 2,275,371; Mar. 3.

Magrum, Gervase M., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorbing structure for airplane landing gears. 2,275,372; Mar. 3.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Web feeding mechanism. 2,275,262; Mar. 3.

Maloney, Frank H., Elmhurst, assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y. Dispensing device. 2,275,051; Mar. 3.

Manion, George F. (See Jenne, K. C., and Manion.)

Mantle, Burr W., Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company. Automatic unloader for compressors. 2,275,303; Mar. 3.

Manville Jenckes Corporation. (See Booth, Robert B., assignor.)

Marco, John, assignor to Marco Company, Inc., Philadelphia, Pa. Combinator head or homogeniser. 2,274,720; Mar. 3.

Marco Company. (See Marco, John, assignor.)

Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically heated hose. 2,274,839; Mar. 3.

Marick, Louis, Grosse Pointe Farms, and J. Schreiber, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Electrically conductive fabric. 2,274,840; Mar. 3.

Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Sewing machine attachment. 2,274,721; Mar. 3.

Marinsky, Davis, assignor, by mesne assignments, of one-half to said Davis Marinsky and one-half to Louis H. Morin, Bronx, N. Y. Forming thermoplastic fasteners. 2,274,722; Mar. 3.

Marshall & Ilsley Bank. (See Piazze, Thomas E., assignor.)

Martens, William H., Seattle, Wash. Dispensing device. 2,274,866; Mar. 3.

Martin, Harold J., assignor to The L. E. Myers Co., Chicago, Ill. Gin pole. 2,275,195; Mar. 3.

Matheson, George L. (See Richardson, R. W., and Matheson.)

Mathes, Richard E., Westfield, N. J. and W. H. Bliss, Orono, Maine, assignors to Radio Corporation of America. Photo radio system. 2,274,841; Mar. 3.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating catalysts. 2,274,988; Mar. 3.

Maurud, Oystein, Askim, Norway. Hand mirror. 2,275,304; Mar. 3.

Maxton, Alfred, Heinsberg, Rhineland, Germany, assignor to North American Rayon Corporation, New York, N. Y. Method and apparatus for use in measuring speed. 2,275,381; Mar. 3.

May & Baker, Limited. (See Ewins, A. J., and Phillips, assignors.)

Maynard, Charles E., Northampton, Mass., assignor by mesne assignments to United States Rubber Company, New York, N. Y. Valve stem. 2,275,081; Mar. 3.

McBride, Jesse E. (See Bee, G. A., and McBride.)

McCann, Harry P., Shaker Heights, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Material handling apparatus. 2,274,842; Mar. 3.

McCaskey Register Company, The. (See Clark, H. W., and Dezenzo, assignors.)

McCass Company, The, et al. (See Morrison, J. H., Cusack, and Berger, assignors.)

McConnell-Petermann Co. (See Briggs, D. J., and De Noi, Jr.)

McCullough, Paul J., assignor to J. Pavelka, St. Louis, Mo. Clock mechanism. 2,274,724; Mar. 3.

McKibben, George L. (See Zink, W. L., and McKibben.)

McClintock, Florence L., et al. (See Currier, Neil B., assignor.)

McClintock, Lynn H., et al. (See Currier, Neil B., assignor.)

McCormick, George, Redwood City, Calif. Tire retaining clip for railway wheels. 2,274,928; Mar. 3.

McCullough, George, Akron, Ohio. Smoker's pipe. 2,275,082; Mar. 3.

McDonald, A. Y., Mfg. Co. (See Groen, Christopher, assignor.)

McDowell, Fred C., Naches, Wash. Window bracket. 2,274,867; Mar. 3.

McGee, Richard T., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Building construction. 2,275,199; Mar. 3.

McIntire, Arthur S. (See Hutchinson, W. P., and McIntire.)

McKee Poplar Forestation, Inc. (See McKee, Ralph H., assignor.)

McKee, Ralph H., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Propagation of trees and cuttings. 2,274,989; Mar. 3.

McLain, William Rex, Chicago, Ill. Refractory brickwork. 2,275,083; Mar. 3.

McLaughlin, F. L. (See Burke, James P., assignor.)

McMullen, Alva H., Miami, Fla. Fluorescent light tube adapter. 2,274,868; Mar. 3.

McNaney, Joseph T., Baltimore, Md. Signaling system. 2,275,017; Mar. 3.

Mead, Harold G., Bronxville, N. Y., assignor to Leeds & Northrup Company, Philadelphia, Pa. Furnace control system. 2,275,265; Mar. 3.

Meals, William S. (See Sowter, P. F. C., and Meals.)

Meeker, David Olan, and E. E. Henderson, New York, N. Y, assignors to Schering Corporation, Bloomfield, N. J. Filtering composition. 2,274,725; Mar. 3.

Meisenheimer, Klaus. (See Scheuermann, A., Meisenheimer, and Kotzschmar.)

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Reactivation of contact masses. 2,275,184; Mar. 3.

Melton, Romie L., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive coated webs. 2,274,726; Mar. 3.

Menton, Joseph B. (See Clark, N. C., and Menton.)

Merrill, Edward C., West Roxbury, J. W. Reddie, Hull, and J. M. Anderson, Woburn, assignors to United Drug Company, Boston, Mass. Method for making capsules. 2,275,154; Mar. 3.

Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of controlling drift in lehrs. 2,275,263; Mar. 3.

Mesta Machine Company. (See Simborg, Edward J., assignor.)

Metal Textile Corporation. (See Goodloe, Alfred M., assignor.)

Metals Disintegrating Company. (See Ziehl, Othon Adolf, assignor.)

Metcalf, Edgar E., Moville, Iowa, assignor of one-half to Detroit Harvester Company, Detroit, Mich. Grain threshing and separating machine. 2,275,392; Mar. 3.

Metrawatt Aktiengesellschaft, Fabrik Elektischer Messgeraete. (See Bernhard, A., Beyrich, and Habermann, assignors.)

Meyer, Edwin M. (See Dykstra, L. J., and Meyer.)

Meyer, Max, assignor to Almac Metal Corporation, New York, N. Y. Apparatus for treating, purifying, and separating molten metals. 2,275,266; Mar. 3.

Meyer, Wilfred M. (See Clarke, L. A., Pevere and Meyer.)

Michaelson, George, London, England. Coin-freed mechanism. 2,275,084; Mar. 3.

Michel, Karl, Stuttgart-Hofen, and Eugen Hutzenlaub, Stuttgart, Germany. Gasket material. 2,275,085; Mar. 3.

Mildebrath, Willy H. R., Jacksonville, Fla. Hand brake signal. 2,274,990; Mar. 3.

Millar, John R., Reno, Nev., assignor to National Automotive Fibres, Inc., Detroit, Mich. Upholstery. 2,274,929; Mar. 3.

Mills, Victor, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Distilling higher fatty acids. 2,274,801; Mar. 3.

Mills, Victor, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Fatty acid distillation. 2,274,802; Mar. 3.

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Mitchell, Byron V., Jamaica, N. Y. Electric heating element. 2,275,228; Mar. 3.

Mitchell, John R., Dallas, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic selective phonograph. 2,275,033; Mar. 3.

Mitchell, Max. (See Moss, Everett D., assignor.)

Mitchell, Max. (See Peterson, Axel H., assignor.)

Mitchell, Walter F. (See Jennings, A. L., Mitchell, and Worm, Jr.)

Molins, Desmond W., Deptford, London, assignor to Molins Machine Company, Ltd., London, England. Machine for forming continuous tobacco rods or fillers. 2,274,991; Mar. 3.

Molins Machine Company. (See Gooch, C. W., Jr., and Rockhill, assignors.)

Molins Machine Company, Ltd. (See Molins, Desmond Walter, assignor.)

Mongan, Charles E., Jr., assignor to Hartford-Empire Company, Hartford, Conn. Internal tempering nozzle. 2,275,155; Mar. 3.

Monroe, Kenneth C., assignor to The Lapointe Machine Tool Company Hudson, Mass. Control mechanism for vertical hydraulic broaching machines. 2,275,196; Mar. 3.

Monti, Philip, Detroit, Mich. Hair clipper. 2,275,110; Mar. 3.

Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Method and apparatus for feeding, registering, and cutting web material. 2,275,064; Mar. 3.

Moore, George Arlington, assignor to Humoco Corporation, Louisville, Ky. Container and making the same. 2,275,063; Mar. 3.

Moorhouse, Alfred, Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Variable speed transmission. 2,275,156; Mar. 3.

Moore Dry Kiln Company of Oregon, The. (See Cobb, James F., assignor.)

Moore, Sterling P., New Madrid, Mo. Ladder. 2,275,086; Mar. 3.

Morch, Anthony, and J., Jamaica, N Y. Television apparatus. 2,275,229; Mar. 3.

Morch, John. (See Morch, Anthony, and J.)

Morgan, Edward B., Mount Airy, Pa. Paint can protector. 2,275,305; Mar. 3.

Morgan, Harry W., assignor to The Canister Company, Phillipsburg, N. J. Method of manufacturing fiber containers. 2,275,157; Mar. 3.

Morin, Louis H., assignor, by mesne assignments, of one-half to said L. H. Morin and one-half to D. Marinsky, Bronx, N. Y. Automatic lock slider. 2,274,723; Mar. 3.

Morin, Louis H. (See Marinsky, D., and Morin.)

Morin, Louis H., et al. (See Marinsky, Davis, assignor.)

Morinsky, Davis, et al. (See Morin, Louis H., assignor.)

Morrison, James H., C. E. Cusack, and H. H. Berger, assignors to The McCass Company, Los Angeles, Calif. Game apparatus. 2,275,306; Mar. 3.

Morse Chain Company. (See Crans, Walter B., assignor.)

Morse Chain Company. (See Moorhouse, Alfred, assignor.)

Morway, Arnold J. (See Zimmer, J. C., and Morway.)

Moss, Everett D., assignor to M. Mitchell, Los Angeles, Calif. Pouring and closing cap for receptacles. 2,274,843; Mar. 3.

Moss, Everett D., assignor to M. Mitchell, Los Angeles, Calif. Pouring and closing cap for receptacles. 2,274,844; Mar. 3.

Moyle, Clarence L. (See Britton, Edgar C., and Moyle.)

Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Esters of 4-cyclohexene-1,2-dicarboxylic acid. 2,275,034; Mar. 3.

Mueller, Ervin H., Grosse Pointe Park, Mich. Fuel supply system for burners. 2,275,267; Mar. 3.

Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,274,803; Mar. 3.

Murchison, Clinton W., Dallas, Tex. Making building blocks. 2,275,087; Mar. 3.

Murden, William T., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing seal. 2,275,307; Mar. 3.

Murray Corporation of America, The (See Clark, N. C., and Menton, assignors.)

Murray Corporation of America, The. (See Koch, George T., assignor.)

Murray, James B., Garden City, N. Y. Filing apparatus. 2,274,908; Mar. 3.

Murray, James B., Garden City, N. Y. File folder. 2,274,909; Mar. 3.

Murphy Radio Limited. (See Goldring, Edward A. H., assignor.)

Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Production of lubricants. 2,275,264; Mar. 3.

Myers, Herbert B., and A. Davis, assignors to Snap-Grip Products, Inc., Akron, Ohio. Tool. 2,275,393; Mar. 3.

Myers, L. E., Co., The. (See Martin, Harold J., assignor.)
Nachman Springfilled Corporation. (See Turgeon, Edward, assignor.)
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
National Automotive Fibres, Inc. (See Davies, Clarence J., assignor.)
National Automotive Fibres. (See Millar, John R., assignor.)
National Biscuit Company. (See Davidson, Bruce J., assignor.)
National Carbon Company. (See Dorcas, Merrill J., assignor.)
National Cash Register Company, The. (See Ira, Clarence J., assignor.)
National Cash Register Company, The. (See Spurlino, P., and Eickman, assignors.)
National Oil Products Company. (See Printon, Thomas A., assignor.)
National Oil Products Company. (See Segessemann, Ernest, assignor.)
National Smelting Company. (See Bonsack, Walter, assignor.)
National Tube Company. (See Nielsen, Peer D., assignor.)
National Tube Company. (See Webb, Samuel, assignor.)
Naul, James M., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Heater attachment for electric fans. 2,274,935; Mar. 3.
Neiss, Howard V., and W. E. Etter, assignors to Armstrong Cork Company, Lancaster, Pa. Scribing and cutting device. 2,274,727; Mar. 3.
Nelsen, Marvin G., assignor to Guardian Electric Manufacturing Company, Chicago, Ill. Electrical timing circuit. 2,274,992; Mar. 3.
Nelson, Arthur L., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Modulation system. 2,275,065; Mar. 3.
Nelson, Rudolph S., Larchmont, N. Y., and A. D. Siedle, Canton, assignor to The Hoover Company, North Canton, Ohio. Evaporator for refrigerating systems. 2,274,967; Mar. 3.
Neve, Kenneth, Hale, near Liverpool, England, assignor to Keasbey & Mattison Company, Ambler, Pa. Pipe joint. 2,275,018; Mar. 3.
New Britain Machine Company, The. (See Bechert, Fred J., assignor.)
New Britain Machine Company, The. (See Gridley, George O., assignor.)
Newton, Albert E., assignor to Premier Electric Heaters, Limited, Birmingham, England. Immersion heater for electrically heated domestic utensils and other appliances. 2,274,930; Mar. 3.
Newton, George Lee, Memphis, Tenn. Making manifold sets. 2,274,910; Mar. 3.
New Wrinkle, Inc. (See Waldie, William A., assignor.)
Nielsen, Peer D., Lorain, Ohio, assignor to National Tube Company. Manufacture of Bessemer steel. 2,275,088; Mar. 3.
Niemann, Carl, Erlangen, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. Control apparatus for alternating current devices. 2,275,308; Mar. 3.
Noll, Norman S., Los Angeles, Calif. Paper fastening and crimping press. 2,275,111; Mar. 3.
Norgaard, Donald E., Cohoes, N. Y., assignor to General Electric Company. Amplifier. 2,275,401; Mar. 3.
North American Rayon Corporation. (See Maxton, Alfred, assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton, Leland D., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Reproducer for electric phonographs. 2,275,309; Mar. 3.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch operating mechanism. 2,275,158; Mar. 3.
Nuttall, George L., Brantford, Ontario, Canada. Repairing valve seat ports. 2,275,310; Mar. 3.
Nye, Harry G., Jr., Evanston, Ill. Method of making sails, awnings, or tents. 2,275,159; Mar. 3.
Nygaard, Olaf L., Oslo, and E. Kristian Elkvang, Stabekk, near Oslo, Norway. Garment stretcher clamp. 2,274,804; Mar. 3.
Oakley, John. (See Croft, H. D., and Oakley.)
Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Driving mechanism. 2,274,931; Mar. 3.
O'Bannon, Walter A., assignor to W. O'Bannon Company, Tulsa, Okla. Blind cage valve. 2,274,968; Mar. 3.
O'Bannon, Walter, Company. (See O Bannon, Walter A., assignor.)
Ochsenbein, Walter, assignor to Hasler A.-G., Werke für Telephonie & Präzisionsmechanik, Berne, Switzerland. Magneto. 2,275,052; Mar. 3.
Ohio Brass Company, The. (See Smith, William A., assignor.)
Ogg, Robert A., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance device. 2,274,845; Mar. 3.
Ohio Brass Company, The. (See Taylor, John J., assignor.)
Ohio Brass Company, The. (See Brandt, T. F., and Brouse, assignors.)
Okadee Company, The. (See Cull, Edwin L., assignor.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,274,846; Mar. 3.
O'Loughlin, George M., Waterbury, Conn. Wire-feeding device for heading machines. 2,275,269; Mar. 3.
Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Birmingham, England. Pump. 2,275,230; Mar. 3.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,274,728; Mar. 3.
Ostendorf, William L., Rayland, Ohio. Valve. 2,274,969; Mar. 3.
Otterbourg, Marion A., Charlotte, N. C. Automatic pump controller. 2,275,066; Mar. 3.
Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Purifying synthetic soaps. 2,274,632; Mar. 3.
Owen, William, Pittsburgh, assignor to Pittsburg Plate Glass Company, Allegheny County, Pa. Glass handling apparatus. 2,274,729; Mar. 3.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Weather-proofed glazed panel. 2,274,730; Mar. 3.
Owens-Corning Fiberglas Corporation. (See Fletcher, Ed., assignor.)
Palmer-Bee Company. (See Bee, George A., and McBride, assignors.)
Palmer, John H. (See Clark, G. S., and Palmer.)
Pardon, Ernest J., assignor to Union Hardware Company, Torrington, Conn. Roller skate construction. 2,275,035; Mar. 3.
Parke, Davis & Company. (See Rawlins, A. L., and Sweet, assignors.)
Parke, Davis & Company. (See Valentine, Octave Le C., assignor.)
Parker, Arthur L., Cleveland, Ohio. Valve assembly for fuel systems. 2,274,731; Mar. 3.
Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Chicago, Ill. Pressure-starting vapor heating system. 2,274,736; Mar. 3.
Patche, Henry B., Kansas City, Mo., assignor to Genesy Electric Lantern Company, Rawlins, Wyo. Electric lantern. 2,274,932; Mar. 3.
Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes." (See Hintze, Rudolp, assignor.)
Patkus, Joseph. (See Ruesenberg, C. A., and Patkus.)
Patnode, Winton I., and W. J. Scheiber, Schenectady, N. Y., assignors to General Electric Company. Coated metal wire. 2,275,198; Mar. 3.
Pattison, Herbert J., assignor to Briggs Manufacturing Company, Detroit, Mich. Graining machine. 2,274,847; Mar. 3.
Paulsen, William E., Burlingame, Calif. Garment. 2,274,732; Mar. 3.
Pavelka, Joseph. (See McCullough, Paul J., assignor.)
Pearl, Herbert B., Sunnyside, N. Y. Retaining and binding apparatus. 2,274,993; Mar. 3.
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Forming machine for hollow glassware. 2,275,231; Mar. 3.
Peek, Clifford H., East Aurora, N. Y. Game means. 2,274,933; Mar. 3.
Pedersen, Charles J., Penns Grove, and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nuclear alkylation of aminophenols and product thereof. 2,275,311; Mar. 3.
Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Can body making machine. 2,274,733; Mar. 3.
Pennell, Philip H., Belmont Manor, assignor to Armstrong Cork Company, Lancaster, Pa. Building structure. 2,274,848; Mar. 3.
Pennsylvania Railroad Company, The. (See Elsey, Warren R., assignor.)
People of the United States of America. (See Kidman, B., and Vais, assignors.)
Perényi, Pirie H., assignor of one-half to E. T. Frankel, Albany, N. Y. Statistical chart. 2,275,313; Mar. 3.
Perkins Glue Company. (See Pierson, Gordon G., assignor.)
Perkins Machine and Gear Company. (See Croft, H. D., and Oakley, assignors.)
Perkins Machine and Gear Company. (See Oakley, John, assignor.)
Perosa Corporation. (See Adamoli, Carlo, assignor.)
Peters, Melville F., Beltsville, and T. B. Godfrey, Bethesda, Md. Apparatus for determining the position of the conductor in electrical cables. 2,274,735; Mar. 3.
Peterson, Axel H., Moline, Ill., assignor, by mesne assignments, to Max Mitchell, Los Angeles, Calif. Dispenser and closure for containers. 2,274,849; Mar. 3.
Peterson, Paul T. (See Headbloom, G. E., and Peterson.)
Peterson, Thomas F., Worcester, Mass. Cable reinforcement. 2,275,019; Mar. 3.
Petrolite Corporation. (See Fuchs, Fritz E., assignor.)
Pevere, Ernest F. (See Clarke, L. A., Pevere, and Meyer.)
Pfeiffer, Walter, Huntington Park, Calif., assignor to F. V. Long, doing business as The Vapor Recovery Systems Company, Compton, Calif. Sampling device for tanks. 2,274,869; Mar. 3.

Phelps Dodge Copper Products Corporation. (See Clark, G. S., and Palmer, assignors.)
Phillips, Clarence H. (See Heberer, A. J., and Phillips.)
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly. 2,274,805; Mar. 3.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston expander. 2,274,806; Mar. 3.
Phillips, Montague A. (See Ewins, A. J., and Phillips.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Phillips Petroleum Company. (See Matuszak, Maryan P., assignor.)
Piazzie, Thomas E., assignor, by mesne assignments, to Marshall & Ilsley Bank, Milwaukee, Wis. Bag structure. 2,274,934; Mar. 3.
Pied-Piper Animal Trap Company. (See Colwell, W., and Allen.)
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pierson, Gordon G., assignor to Perkins Glue Company, Lansdale, Pa. Glue suitable for gluing wood veneers. 2,275,314; Mar. 3.
Pirtz, Charles, Woodside, Long Island, N. Y. Sliding door lock. 2,275,089; Mar. 3.
Pittsburgh Plate Glass Company. (See Adams, Frederick W., assignor.)
Pittsburgh Plate Glass Company. (See Dennison, Brook J., assignor.)
Pittsburgh Plate Glass Company. (See Keim, Laurence A., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pitzer, Edgar C., Chicago, Ill., and L. Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Catalytically treating hydrocarbons. 2,274,633; Mar. 3.
Plastic Lights, Inc. (See Ruse, Carl R., assignor.)
Pontoppidan, Carl, Holte, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Manufacture of concrete or mortar. 2,274,936; Mar. 3.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Photoelectric transmitter. 2,274,737; Mar. 3.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Sheet handling mechanism. 2,274,738; Mar. 3.
Premier Electric Heaters, Limited. (See Newton, Albert E., assignor.)
Prentice, G. E., Mfg. Co., The. (See Conlin, Edward J., assignor.)
Printon, Thomas A., South Orange, assignor to National Oil Products Company, Harrison, N. J. Cellulosic spinning solution. 2,275,199; Mar. 3.
Prinzler, Anna B., Milwaukee, Wis. Gravy strainer. 2,275,268; Mar. 3.
Process Management Company. (See Rice, Francis O., assignor.)
Procter & Gamble Company, The. (See Mills, Victor, assignor.)
Purdom, Drue McBride, Cincinnati, Ohio. Sanitary drinking fountain. 2,275,200; Mar. 3.
Purington, Ellison S., assignor to John H. Hammond, Jr., Gloucester, Mass. Modulation system. 2,275,020; Mar. 3.
Quaker Manufacturing Company. (See Howard, David J., assignor.)
Rackett, Gerald F., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Motion picture contrast regulation. 2,275,270; Mar. 3.
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Bell, David A., assignor.)
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Chittick, K. A., and Ballard, assignors.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Demuth, Galan W., assignor.)
Radio Corporation of America. (See Epstein, David W., assignor.)
Radio Corporation of America. (See Epstein, Jess, assignor.)
Radio Corporation of America. (See Falloon, Shirley W. H. W., assignor.)
Radio Corporation of America. (See Fried, Joseph A., assignor.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Hugenholtz, Edward H., assignor.)
Radio Corporation of America. (See Kimmich, William, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Mathes, R. E., and Bliss, assignors.)
Radio Corporation of America. (See Ruedy, John E., assignor.)
Radio Corporation of America. (See Spencer, James A., assignor.)
Radio Patents Corporation. (See Bach, Henry M., assignor.)
Railway and Industrial Engineering Company. (See Rudd, Harold H., assignor.)
Randall, Robert J. (See Reiss, R. H., and Randall.)
Rasmussen, Hans, Everett, Mass., assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass. Safety can. 2,275,318; Mar. 3.
Rast, William C., Seattle, Wash. Apparatus for treating feet and the like. 2,274,739; Mar. 3.
Raulerson, Hardy H., Long Beach, Calif. Resilient counterbalancing device. 2,274,937; Mar. 3.
Rawlins, Albert L., and L. A. Sweet, assignors to Parke, Davis & Company, Detroit, Mich. Detergent. 2,274,807; Mar. 3.
Rayolite Rifle Range Company. (See Kenney, M. W., and Jensen, assignors.)
Ray, Reginald J., Ashfield, near Sydney, New South Wales, Australia. Means for attaching fragile bodies to a support. 2,275,315; Mar. 3.
Ray, William A., Glendale, Calif. Control circuit. 2,274,938; Mar. 3.
Ray, William A., Glendale, Calif. Control device. 2,274,939; Mar. 3.
Reddie, James W. (See Merrill, E. C., Reddie and Anderson.)
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Rees, Clyde Malin, assignor to George A. Rees, White Plains, N. Y. Water heating system. 2,275,160; Mar. 3.
Rees, George A. (See Rees, Clyde M., assignor.)
Reilly, Alfred F., North Attleboro, Mass. Hand mirror and the like. 2,275,201; Mar. 3.
Reiss Manufacturing Corporation. (See Reiss, R. H., and Randall, assignors.)
Reiss, Raymond H., Deal, and R. J. Randall, East Orange, assignors to Reiss Manufacturing Corporation, Jersey City, N. J. Wearing apparel. 2,275,090; Mar. 3.
Reissner, Hans, Berlin-Charlottenburg, and M. Christian, Berlin-Reinickendorf, Germany. Variable pitch propeller for aircraft. 2,275,053; Mar. 3.
Remington Arms Company. (See Brün, Willi, assignor.)
Renne, George D., assignor to A. Schmitt, Hicksville, N. Y. Clothesline bracket. 2,274,850; Mar. 3.
Reynolds, Cecil A., Rockwell City, Iowa. Package opening device. 2,275,091; Mar. 3.
Reynolds, Joseph H., Cisco, Tex. Working barrel support. 2,274,740; Mar. 3.
Rheem, Richard S., Orinda, H. C. Brown, Berkeley, and A. J. Allen, Richmond, Calif., assignors, by mesne assignments, to American Flange & Manufacturing Co., Inc., New York, N. Y. Sealing tag for bunghole closures. 2,275,067; Mar. 3.
Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Timer. 2,274,635; Mar. 3.
Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
Rice, Francis O., Montgomery County, Md., assignor, by mesne assignments, to Process Management Company, Inc., Wilmington, Del. Treating hydrocarbon fluids. 2,275,232; Mar. 3.
Richards, Fred F., Payette, Idaho. Burglar alarm. 2,274,870; Mar. 3.
Richardson, Roger W., Westfield, and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Electrodes for voltolization. 2,274,636; Mar. 3.
Ridgway, Edmund T., et al. (See Whitesell, J. C., Jr., Contini, Farr, Bossart, Ridgway, and Dieter.)
Rinn, Irwin C., Chicago, Ill. Bite wing for dental film packs and the like. 2,274,808; Mar. 3.
Ritchey, Russell R. (See Skowron, E. A., and Ritchey.)
Rite-Rite Mfg. Co. (See Jochim, Helmer R., assignor.)
Ritzert, Norman J., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Making V-belts. 2,275,233; Mar. 3.
Ritzmann, Otto F., Aspinwall, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for sending and recording time impulses. 2,275,316; Mar. 3.
Robins Conveying Belt Company. (See Eichenberger, Robert W., assignor.)
Robinson, Henry, Lindenhurst, N. Y. Vegetable washing and/or decorticating machine. 2,274,809; Mar. 3.
Rockhill, Carol. (See Gooch, C. W., Jr., and Rockhill.)
Roedel, Gustav, Camden, N. J. Detachable screen for automobiles. 2,275,092; Mar. 3.
Rohm & Haas Company. (See Johnson, Treat B., assignor.)
Rolnick, Harry A., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,274,741; Mar. 3.
Ronay, Bela, Annapolis, Md. Welding apparatus. 2,274,742; Mar. 3.
Rooke, Robert M., Jersey City, N. J., and Frederick C. Saacke, Astoria, Long Island, assignors to Air Reduction Company, Incorporated, New York, N. Y. Flux and rod for braze welding. 2,274,637; Mar. 3.

Rosene, Victor E., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telautograph system. 2,274,638; Mar. 3.
Ross, William C. (See Shanklin, D. L., and Ross.)
Ross, William P. V., assignor to Duplex Printing Press Company, Battle Creek, Mich. Pump for molten metal. 2,275,202; Mar. 3.
Rosskopf, Hans, Berlin-Charlottenburg, assignor to Brandenburgische Motorenwerke Gesellschaft mit beschränkter Haftung, Berlin-Spandau, Germany. Air impeller device. 2,274,743; Mar. 3.
Rudd, Harold H., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa. Electrical bus system. 2,275,203; Mar. 3.
Ruedy, John E., Merchantville, N. J., assignor to Radio Corporation of America. Electron diffraction camera. 2,275,234; Mar. 3.
Ruesenberg, Carl A., and J. Patkus, Rockford, assignors to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,275,068; Mar. 3.
Ruffin, Allen F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Insert tab for license plates. 2,274,744; Mar. 3.
Ruse, Carl R., assignor to Plastic Lights, Inc., Toledo, Ohio. Dual use sign and exhibition device. 2,275,319; Mar. 3.
Russell Manufacturing Company, The. (See Taylor, Schuyler J., assignor.)
Ryder, John D., University Heights, Ohio, assignor to Bailey Meter Company. Measuring and controlling apparatus. 2,275,317; Mar. 3.
S & W Fine Foods, Inc. (See Steinwand, Otto J., assignor.)
Saacke, Frederick C. (See Rooke, R. M., and Saacke.)
Salsbury Corporation. (See Harris, Ford W., assignor.)
Salsbury Corporation. (See Lewis, Howard B., assignor.)
Sardeson, Robert, Minneapolis, Minn., assignor to Harold C. Genter, Miami Beach, Fla. Food cooking device. 2,274,810; Mar. 3.
Savicki, Theodor, Brooklyn, N. Y. Flue cleaner. 2,275,320; Mar. 3.
Scates, Charles E., Hueneme, Calif. Hydraulic transmission device. 2,275,321; Mar. 3.
Schaad, Raymond E. (See Ipatieff, V. N., and Schaad.)
Scheiber, William J. (See Patnode, W. I., and Scheiber.)
Scheinman, Sol, White Plains, N. Y. Reinforced collapsible file with roller extension mounting. 2,275,322; Mar. 3.
Schering Corporation. (See Meeker, D. O., and Henderson, assignors.)
Scheuermann, Arno, Klaus Meisenheimer, and Arnold Kotzschmar, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard Catalytic Company. Process for the production of hydrocarbons. 2,274,639; Mar. 3.
Schick Incorporated. (See Thomas, William A., assignor.)
Schirmer, Walter E. (See Campbell, Charles E., assignor.)
Schmidt, Ommo, Stuttgart-Sillenbuch, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Electroacoustic signaling device. 2,275,161; Mar. 3.
Schmidt, Theodore A. (See Feucht, A., and Schmidt.)
Schmitt, Alvin. (See Renne, George D., assignor.)
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Wall covering. 2,274,851; Mar. 3.
Schreiber, John. (See Marick, L., and Schreiber.)
Schreiber, John H., St. Louis, Mo. Joint breaker and cathead. 2,275,271; Mar. 3.
Schulte, Frank W. (See Elvin, W. J., and Schulte.)
Schultz Engineering Corporation. (See Schultz, R. H., and Siebert, assignors.)
Schultz, Rudolph H., and A. J. Siebert, assignors to Schultz Engineering Corporation, Brooklyn, N. Y. Equipment to produce packaged rolls. 2,274,745; Mar. 3.
Schwartz, Seymour E. (See Schwartz, S. O., and Schwartz.)
Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Depth gauge. 2,275,036; Mar. 3.
Schwartz, Solomon E., and S. E., New York, N. Y. Stocking protector. 2,275,191; Mar. 3.
Schweizer, Alfred. (See Heinrich, H., Schweizer and Hurst.)
Schweller, Sylvester M., H. J. Dick, and J. L. Gibson, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,275,323; Mar. 3.
Schwinn, Frank W., Chicago, Ill. Cushioned handle bar for bicycles. 2,274,747; Mar. 3.
Scott, James G., Washington, D. C. Refrigeration. 2,275,324; Mar. 3.
Scovill Manufacturing Company. (See Ruffin, Allen F., assignor.)
Scripture, Edward W., Jr., Shaker Heights, Ohio. Method of curing concrete. 2,275,272; Mar. 3.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,275,325; Mar. 3.
Sears, Roebuck and Co. (See Zink, W. L., and McKibben, assignors.)
Sears, Roebuck and Co. (See Zink, William L., assignor.)
Sears, Roebuck and Co. (See Zink, W. L., and Hauswirth, assignors.)
Segessemann, Ernest, Newark, assignor to National Oil Products Company, Harrison, N. J. Process for refining tall oil. 2,275,186; Mar. 3.
Seidel, Max, Solln, near Munich, Germany. Obtaining dissolved volatile substances from solutions. 2,274,748; Mar. 3.
Severson, Ole, Shelton, Conn., assignor to The Apex Tool and Cutter Company, Inc. Tool bit and tool holder therefor. 2,275,326; Mar. 3.
Severson, Ole. (See Sheridan, H. M., and Severson.)
Shannon, James F., Bellevue, Wash. Fireplace screen. 2,275,236; Mar. 3.
Shanklin, Dunbar L., and W. C. Ross, Winchester, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Seal for containers. 2,275,235; Mar. 3.
Sharp, John V., Cleveland Heights, assignor to Slayter Electronic Corporation, Newark, Ohio. Rectification system. 2,274,746; Mar. 3.
Sheridan, Henry M., Erie, Pa., and O. Severson, Shelton, Conn., assignors to The Apex Tool & Cutter Company, Inc. Tool holder. 2,275,327; Mar. 3.
Shinn, Charles P., Jr., New York, N. Y. Lubricating device and spray gun. 2,275,185; Mar. 3.
Shippy, Leo C., Lockport, N. Y., assignor to General Motors Corporation. Manufacture of built-up bellows. 2,275,112; Mar. 3.
Siebert, Adam J. (See Schultz, R. H., and Siebert.)
Siedle, Arnold D. (See Nelson, R. S., and Siedle.)
Siegel, A. L., Co. (See Emmerich, Julius, assignor.)
Siemens-Reiniger-Werke Aktiengesellschaft. (See Niemann, Carl, assignor.)
Simborg, Edward J., Chicago, Ill., assignor to Mesta Machine Company, Pittsburgh, Pa. Wiper for rolling mills. 2,275,113; Mar. 3.
Sing-A-Tina Studio. (See Horne, Hal, assignor.)
Singer Manufacturing Company, The. (See Naul, James M., assignor.)
Sisson, Thomas Upton, Gulfport, Miss. Amusement apparatus. 2,274,811; Mar. 3.
Six Wheels Inc. (See Collender, Gustave A., assignor.)
Sizelove, Robert R., Irvington, assignor to Frederick Gumm Chemical Co., Inc., Kearny, N. J. Electrode. 2,275,194; Mar. 3.
Skowron, Edwin A., Pittsburgh, and R. R. Ritchey, assignors to Woodings-Verona Tool Works, Verona, Pa. Creep check. 2,274,871; Mar. 3.
Slayter Electronic Corporation. (See Sharp, John V., assignor.)
Smetana, Otto F., Concord, N. C. Stocking. 2,274,812; Mar. 3.
Smidth, F. L., & Company. (See Ahlmann, Nikolai, assignor.)
Smidth, F. L., & Co. (See Pontoppidan, Carl, assignor.)
Smidth, F. L., & Company. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Clifford J., Lebanon, Mo. Incubator. 2,274,640; Mar. 3.
Smith, Floyd, assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Parachute apparatus. 2,275,114; Mar. 3.
Smith, John B., Jr., assignor of one-half to Henry Q. Brackett, Vicksburg, Miss. Lid fastener. 2,274,872; Mar. 3.
Smith, Ray F., assignor to Ideal Manufacturing Co., Des Moines, Iowa. Power take-off. 2,274,994; Mar. 3.
Smith, S. Morgan, Company. (See Brisbane, Eugene C., assignor.)
Smith, William A., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Work supporting spindle. 2,275,382; Mar. 3.
Smirl, Richard L., Bellwood, assignor to Borg-Warner Corporation, Chicago, Ill. Fluid operated clutch. 2,275,204; Mar. 3.
Smulski, Theodore J., Gary, Ind., assignor to The Anderson Company. Indicating system. 2,275,237; Mar. 3.
Smyers, William H., Westfield, N. J., assignor to Standard Oil Development Company. Hydrocarbon copolymer and preparing same. 2,274,749; Mar. 3.
Snap-Grip Products, Inc. (See Myers, H. B., and Davis, assignors.)
Snyder, Oscar W., Pittsburgh, Pa. Bracket. 2,274,995; Mar. 3.
Society of Chemical Industry in Basle. (See Graenacher, C., Ackermann and Bruengger, assignors.)
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Composition of matter and making same. 2,275,383; Mar. 3.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Butyl esters of 4-methyl-Δ4-tetrahydrophthalic acid. 2,275,384; Mar. 3.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Alkyl esters of 3-methyl-Δ4-tetrahydrophthalic acid. 2,275,385; Mar. 3.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Amyl esters of 3-methyl-Δ4-tetrahydrophthalic acid. 2,275,386; Mar. 3.
Soenksen, Hans, Ludwigshafen-on-the-Rhine-Oppau, and H. Grasshof, Mannheim, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Recovery of higher oxygen-containing organic compounds from crude oils obtained by the catalytic hydrogenation of carbon oxides. 2,274,750; Mar. 3.

Somes, Howard E., Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Making tools. 2,275,021; Mar. 3.
Sorondo, Julio P., Buenos Aires, Argentina. Surgical operating table. 2,275,328; Mar. 3.
Sowter, Percy F. C., and W. S. Meals, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials. 2,274,751; Mar. 3.
Spangler, Earl D., Gary, Ind. Method and apparatus for manufacturing strip. 2,275,093; Mar. 3.
Sparks, William J. (See Thomas, R. M., and Sparks.)
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Direct keyboard transmitter. 2,274,911; Mar. 3.
Spencer, John A., South Hadley Falls, assignor to Spencer Specialties Inc., South Hadley Falls, Mass. Paper making apparatus. 2,274,852; Mar. 3.
Spencer Specialties Inc. (See Spencer, John A., assignor.)
Spladia, Societe pour L'Application d'Inventions Scientifiques. (See Esnault-Pelterie, Robert, assignor.)
Spinney, Frank R., Oklahoma City, Okla., assignor to Duplex Spherical Valve Co. Inc. Valve. 2,274,996; Mar. 3.
Sprague Meter Company, The. (See Hutchinson, W. P., and McIntire, assignors.)
Spurlino, Pascal, and W. E. Eickman, assignors to The National Cash Register Company, Dayton, Ohio. Cash register and accounting machine. 2,274,853; Mar. 3.
Standard Catalytic Company. (See Scheuermann, A., Meisenheimer, and Kotzschmar, assignors.)
Standard Oil Company. (See Pitzer, E. C., and Heard.)
Standard Oil Development Company. (See Cloud, Gould H., assignor.)
Standard Oil Development Company. (See Connolly, Gerald C., assignor.)
Standard Oil Development Company. (See Fasce, Egi V., assignor.)
Standard Oil Development Company. (See Kimberlin, Charles N., assignor.)
Standard Oil Development Company. (See Lieber, E., and Thorner, assignors.)
Standard Oil Company, The. (See Musselman, J. M., and Lankelma.)
Standard Oil Development Company. (See Owen, John J., assignor.)
Standard Oil Development Company. (See Richardson, R. W., and Matheson, assignors.)
Standard Oil Development Company. (See Smyers, William H., assignor.)
Standard Oil Development Company. (See Thomas, R. M., and Sparks, assignors.)
Standard Oil Development Company. (See Zimmer, J. C., and Morway, assignors.)
Standard Railway Equipment Manufacturing Company. (See Bancroft, Alfred G., assignor.)
Starkey, William Carleton, assignor to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind. Clutch construction. 2,274,873; Mar. 3.
Starrett, L. S., Company, The. (See Hastings, James E., assignor.)
Steinberg, Fritz. (See Daeves, K., Becker, and Steinberg.)
Steinwand, Otto J., Oakland, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Treating fruits, etc. 2,274,874; Mar. 3.
Stemen, William R. (See Urbain, O. M., and Stemen.)
Stewart, Cecil C., Champaign, Ill. Guiding and locking device for window sash. 2,274,854; Mar. 3.
Stockdale, Stephen W., Hammond, Ind., and E. F. Weaver, Calumet City, Ill., assignors to International Smelting and Refining Company. Electrolytic production of lead sulphochromates. 2,275,054; Mar. 3.
Stocker, Closman P., et al. (See Huge, Henry M., assignor.)
Stoddard, Albert D., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Squeeze cementing of wells. 2,274,940; Mar. 3.
Straub, Edward L., Anaheim, Calif. Rotary engine. 2,275,205; Mar. 3.
Straub, Walter F., assignor to W. F. Straub & Company, Chicago, Ill. Container. 2,274,752; Mar. 3.
Straub, W. F., & Company. (See Straub, Walter F., assignor.)
Strohm, Frederick E. (See Andres, W. J., and Strohm.)
Strohschneider, Robert. (See Kilian, G., and Strohschneider.)
Sudlow, Fred E. (See Holsclaw, Neil, assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sundholm, Edwin P., Albert City, Iowa. Multijawed chuck-type hydraulic snap-on coupler. 2,274,753; Mar. 3.
Sutherland, Frederick H., Five Dock, New South Wales, Australia. Pneumatic boxing glove. 2,275,206; Mar. 3.
Sutthoff, John R., Sausalito, Calif. Rope coupling, reversing, and re-forming means. 2,275,162; Mar. 3.
Sveda, Michael. (See Audrieth, L. F., and Sveda.)
Sweet, Leon A. (See Rawlins, A. L., and Sweet.)
Swenson, Gustave A., Champaign, Ill. Stoneworking machine. 2,275,329; Mar. 3.
Taranta, Frank. (See Gargiulo, S., and Taranta.)
Taylor, George M., assignor to Paul K. Guillow, Wakefield, Mass. Toy biplane. 2,275,094; Mar. 3.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Fitting for post insulators. 2,275,207; Mar. 3.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Electric insulator. 2,275,208; Mar. 3.
Taylor, Schuyler J., Portland, assignor to The Russell Manufacturing Company, Middletown, Conn. Ladder web. 2,275,273; Mar. 3.
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hagen, Gerhard B., assignor.)
Teuscher, William H., Claremont, Calif. Implement for gathering objects from the soil. 2,274,941; Mar. 3.
Teletype Corporation. (See Potts, Louis M., assignor.)
Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Clarke, L. A., Pevere, and Meyer, assignors.)
Thaden, Herbert V., Mount Lebanon, Pa. Leveling and hardening thin gauge metals. 2,275,095; Mar. 3.
Theisen, Jacob W., Pasadena, Calif. Trailer. 2,274,754; Mar. 3.
Thomas & Betts Co., The. (See Thomas, George C., Jr., assignor.)
Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical wire connector. 2,275,163; Mar. 3.
Thomas, Robert M., Union, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Cellular thermoplastic mass. 2,275,164; Mar. 3.
Thomas, William A., Riverside, Conn., assignor to Schick Incorporated. Hair receptacle. 2,275,022; Mar. 3.
Thompson, Joseph S., San Francisco, Calif. Electromagnetic motor. 2,274,875; Mar. 3.
Thompson Products, Incorporated. (See Colwell, Archie T., assignor.)
Thomas, Herbert E., North Hollywood, Calif. Artificial plant. 2,275,096; Mar. 3.
Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
Thorner, Marvin E. (See Lieber, E., and Thorner.)
Thurman, George C., Peru, Nebr. Nose plug. 2,274,997; Mar. 3.
Tiffany, William R., Stockton, Calif. Digger chain blade and soil elevator. 2,274,970; Mar. 3.
Times Telephote Equipment Inc. (See Cooley, Austin G., assignor.)
Timken Roller Bearing Company, The. (See Horger, Oscar J., assignor.)
Tinker, John M., Penns Grove, and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process of nuclear alkylation in the presence of hydrofluoric acid. 2,275,312; Mar. 3.
Titan Valve and Manufacturing Co. (See Green, Noel B., assignor.)
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Tompsett, Ella M., Bloomfield, Nebr. Garter. 2,274,912; Mar. 3.
Towner, Harold G., New Haven, Conn. Fuse. 2,274,755; Mar. 3.
Touborg, Jens, Tecumseh, Mich. Lubricated refrigerant compressor. 2,274,942; Mar. 3.
Touborg, Jens, Tecumseh, Mich. Refrigeration compressor. 2,274,943; Mar. 3.
Transart Aktiebolag. (See Kroner, Friedrich, assignor.)
Travers, William J., Jr., Bakersfield, Calif. Cementer. 2,274,756; Mar. 3.
Travilla, James C., Jr., University City, and E. C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive tender. 2,274,757; Mar. 3.
Treckmann, Hans, Wuppertal, Germany. Bunch builder attachment for winding machines and the like. 2,275,069; Mar. 3.
Trombetta, Panfilo, Milwaukee, Wis. Electromagnetic apparatus. 2,275,115; Mar. 3.
Trott, Arthur J., Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,274,876; Mar. 3.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Album for photographs and negatives. 2,274,944; Mar. 3.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Turgeon, Edward, Minneapolis, Minn., assignor, by mesne assignments, to Nachman Springfilled Corporation, Chicago, Ill. Mattress spring binding machine. 2,275,299; Mar. 3.
Tveten, Finn, Oslo, Norway. Ski stick. 2,275,330; Mar. 3.
Tyler, W. S., Company, The. (See Jenks, Clifton E., assignor.)
Ullman, Roy, Roslyn, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control instrument. 2,275,238; Mar. 3.
Union Asbestos & Rubber Company. (See Lundvall, John S., assignor.)
Union Hardware Company. (See Pardon, Ernest J., assignor.)
Union Oil Company of California. (See Bradley, William E., assignor.)

United Drug Company. (See Merrill, E. C., Reddie, and Anderson, assignors.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Dallas, William S., assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United States Rubber Company. (See Marick, L., and Schreiber.)
United States Rubber Company. (See Maynard, Charles E., assignor.)
United States Rubber Company. (See Marick, Louis, assignor.)
United States Rubber Company. (See Wallace, Edward H., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Universal Camera Corporation. (See Kende, G., and Bronscombe, assignors.)
Universal Oil Products Company. (See Hague, Ernest N., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Schaad, assignors.)
Universal Oil Products Company. (See Ipatieff, V. N., and Corson, assignors.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Process for liquid purification. 2,275,210; Mar. 3.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to Charles H. Lewis, Harpster, Ohio. Liquid purification. 2,275,211; Mar. 3.
Valentine, Octave Le C., Devon, Conn., assignor to Parke, Davis & Company, Detroit, Mich. Spool for adhesive tape. 2,275,212; Mar. 3.
van der Hoeven, Bernard J. C. (See Gollmar, H. A., and van der Hoeven.)
Van Keuren, Henry P., Watertown, Mass., deceased, M. S. Van Keuren, administratrix. Pliers. 2,274,945; Mar. 3.
Van Keuren, Marie S., administratrix. (See Van Keuren, Henry P.)
Vapor Car Heating Company. (See Parks, Paul B., assignor.)
Vapor Recovery Systems Company, The. (See Pfeiffer, Walter, assignor.)
Verson Allsteel Press Company. (See Clements, Albert, assignor.)
Victor Insulators, Inc. (See Dykstra, L. J., and Meyer, assignors.)
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Treating metals. 2,274,946; Mar. 3.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Method and apparatus for treating granular or powdered material. 2,275,116; Mar. 3.
Vogel, Max, Bridgeport, Conn. Desk calendar device. 2,274,813; Mar. 3.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Process and apparatus for preheating or drying slurry. 2,275,117; Mar. 3.
Wadd, Roy J. (See Wendelburg, F. W., and Wadd.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Waguespack, Louis P., China, Tex. Internal combustion engine. 2,274,877; Mar. 3.
Wallace, Arthur M., assignor to Bundy Tubing Company, Detroit, Mich. Method and apparatus for sustaining heated workpieces. 2,275,274; Mar. 3.
Wallace, Edward H., Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,274,855; Mar. 3.
Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Pigment paste. 2,275,239; Mar. 3.
Walworth Patents Inc. (See Trott, Arthur J., assignor.)
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Wasserman, Charles, Baltimore, Md. System for voltage regulation. 2,275,165; Mar. 3.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Panel section. 2,275,037; Mar. 3.
Watzlawik, Emil, Budweis, Czechian Protectorate, assignor to L. & C. Hardtmuth, Inc., Bloomsbury, N. J. Magazine pencil. 2,275,055; Mar. 3.
Weatherhead Company, The. (See Carlson, B. G., and Crawley, assignors.)
Waxhide Paper Company. (See Hornbeck, Richard L. assignor.)
Weaver, Elbert F. (See Stockdale, S. W., and Weaver.)
Webb, Samuel, Pittsburgh, assignor to National Tube Company. Threading tool. 2,275,097; Mar. 3.
Webster, Deane C., Berkeley, Calif. Floor rack for refrigerator cars. 2,274,998; Mar. 3.
Weckerly, Mark A., Toledo, Ohio, assignor to Toledo Scale Company. Hopper. 2,275,531; Mar. 3.
Weinmayr, Viktor. (See Pederson, C. J., and Weinmayr.)
Weinmayr, Viktor. (See Tinker, J. M., and Weinmayr.)
Welch, Ivy F., Sherman, Tex. Collar support for shirts. 2,275,098; Mar. 3.
Wemp, Ernest E., Detroit, Mich. Friction clutch. 2,275,387; Mar. 3.
Wemp, Ernest E., Detroit, Mich. Clutch and clutch control. 2,275,388; Mar. 3.
Wendelburg, Frank W., and R. J. Wadd, assignors to Harnischfeger Corporation, Milwaukee, Wis. Alternating current braking circuit. 2,275,118; Mar. 3.
Werts, Everett W. (See Crosthwait, D. N., Jr., and Werts.)
West, Earl C., Mora, Minn. Dental device. 2,274,814; Mar. 3.
Western Precipitation Corporation (See Anderson, Evald, assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascum O., assignor.)
Wettlaufer, Charles F. (See Wettlaufer, George B. and C. F.)
Wettlaufer, George B., and C. F. Wettlaufer, Toronto, Ontario, Canada. Crushing mechanism. 2,274,758; Mar. 3.
Wettlaufer, William L., Buffalo, N. Y. Traction device. 2,274,947; Mar. 3.
Whann, Jesse P., Los Angeles, assignor to R. P. De Vault, Arcadia, Calif. Vegetable peeler. 2,274,815; Mar. 3.
Wheeler, Edwin B., New London, assignor to Electric Boat Company, Groton, Conn. Passing cables and the like through structural wall members. 2,274,913; Mar. 3.
White, Alfred N., San Diego, Calif. Building construction. 2,275,056; Mar. 3.
White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuit arrangement. 2,275,023; Mar. 3.
White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,274,971; Mar. 3.
Whitesell, John C., Jr., Norristown, R. Contino, Philadelphia, W. W. Farr, Penn Valley, and K. J. Bossart, Philadelphia, Pa., E. T. Ridgway, Oaklyn, N. J., and W. L. Dieter, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane wing. 2,275,038; Mar. 3.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,274,759; Mar. 3.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,274,760; Mar. 3.
Wieghart, Albert O., Chicago, Ill. Dishwashing machine. 2,275,189; Mar. 3.
Wiken, Ralph, assignor to The Falk Corporation, Milwaukee, Wis. Pump. 2,275,240; Mar. 3.
Wilcox, Albert C., East Liverpool, Ohio. Electric flour sifter. 2,274,914; Mar. 3.
Wildhaber, Ernest, Irondequoit, assignor to Gleason Works, Rochester, N. Y. Gear cutter and method of cutting gears. 2,274,761; Mar. 3.
Wiley, William R., Birmingham, Mich. Clip construction. 2,275,119; Mar. 3.
Wiley, William R. (See Brown, Robert L., assignor.)
Williams, Alfred O., assignor to Clark Equipment Company, Battle Creek, Mich. Air conditioning system for rail vehicles. 2,275,120; Mar. 3.
Williams, Rufus C., assignor to Harriman Hosiery Mills, Harriman, Tenn. Stitch control means for seamless hosiery knitting machines. 2,275,276; Mar. 3.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Lift device for doors. 2,274,878; Mar. 3.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car bumper and draft gear. 2,274,879; Mar. 3.
Wilson, Edgar R., assignor to Corning Glass Works, Corning, N. Y. Insulator packing crate. 2,275,332; Mar. 3.
Wilson, Francis V. Jr., Morrisville, Pa., and J. W. Germond, Trenton, assignors to Homasote Company, Incorporated, Fernwood, N. J. Sectional building construction. 2,275,275; Mar. 3.
Wingate, Clarence A., and W. J., Norfolk, Va. Ice machine. 2,275,121; Mar. 3.
Wingate, W. J. (See Wingate, Clarence A., and W. J.)
Winther, Simon P., Jr., West Palm Beach, Fla. Ignition timer. 2,274,816; Mar. 3.
Wiseko, William A., assignor to Douglas & Lomason Company, Detroit, Mich. Forming device. 2,274,856; Mar. 3.
Wise, Charles R., Charleston, W. Va. Rifle magazine. 2,275,213; Mar. 3.
Woite, Hanna Bertha, Flushing, N. Y. Pinless diaper. 2,274,915; Mar. 3.
Woodard, William E., Forest Hills, N. Y. Locomotive power reverse gear equipment. 2,275,277; Mar. 3.
Woodings-Verona Tool Works. (See Skowron, E. A., and Ritchey, assignors.)
Worm, Erwin A., Jr. (See Jennings, A. L., Mitchell, and Worm.)
Wright, Parvin, assignor of fifty one per cent to R. W. Bauer, Seattle, Wash. Shoe cleaning. 2,274,762; Mar. 3.

Wurlitzer, Rudolph, Company, The. (See Mitchell, John R., assignor.)
Yale & Towne Manufacturing Company, The. (See Golden, A. H., and Ledin, assignors.)
"Yard-Man," Inc. (See Funk, Truman B., assignor.)
Yates, De Witt E., Chippewa Falls, Wis., assignor to W. S. Darley & Company, Chicago, Ill. Centrifugal pump. 2,274,763; Mar. 3.
Yeomans, Lucien I., Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y. Thrust bearing. 2,274,764; Mar. 3.
Younce, Thomas A. Sr., Jessup, Ga. Standard for trucks. 2,275,333; Mar. 3.
Young, Alfred, assignor to The Hanover Shoe, Inc., Hanover, Pa. Shoe softener or conditioner. 2,275,334; Mar. 3.
Zeh, Walter, Dessau, Anhalt, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Organic hexamethine compound. 2,275,024; Mar. 3.
Ziehl, Othon A., Union, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Manufacture of flake copper powder. 2,274,766; Mar. 3.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Metal handled tool. 2,274,817; Mar. 3.
Zink, William L., Plano, assignor to Sears, Roebuck and Co., Chicago, Ill. Drawbar. 2,274,768; Mar. 3.
Zink, William L., Plano, and V. O. Hauswirth, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Tractor cultivator. 2,274,769; Mar. 3.
Zalkind, Philip, New York, N. Y. Laminated sheet. 2,274,765; Mar. 3.
Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo electric crystal apparatus. 2,275,122; Mar. 3.
Zimmer, John C., Union, and A. J. Morway, Clark Township, assignors to Standard Oil Development Company. Adhesive grease composition. 2,275,123; Mar. 3.
Zink, John S., Tulsa, Okla. Combination gas and oil burner. 2,274,818; Mar. 3.
Zink, William L., Plano, and G. L. McKibben, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Attachment structure. 2,274,767; Mar. 3.
Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye. 2,275,124; Mar. 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Container and control valve therefor, High pressure fluid medium. A. Towart, Jr. Re. 22,045; Mar. 3.

Observation unit for bees or the like. D. E. O'Beirne. Re. 22,044; Mar. 3.

Refrigeration. R. S. Nelson. Re. 22,043; Mar. 3.

Ring for disk wheels, Ornamental. G. A. Lyon. Reprint 22,042; Mar. 3.

LIST OF PLANT INVENTIONS

Rose. J. D. Brownell. 504; Mar. 3.

Rose. J. D. Brownell. 505; Mar. 3.

LIST OF DESIGN INVENTIONS

Advertising device. W. B. Cope. 131,487; Mar. 3.
Badge or similar article. G. R. Hilty. 131,467; Mar. 3.
Badge or similar article. J. D. Rock. 131,472; Mar. 3.
Badge or similar article. J. D. Rock. 131,481; Mar. 3.
Badge or the like. J. F. Feeney. 131,466; Mar. 3.
Book end. P. Dionne. 131,488; Mar. 3.
Bottle. A. L. Key. 131,470; Mar. 3.
Bracelet. F. A. Nathan. 131,456; Mar. 3.
Brooch or similar article. N. Barbieri. 131,460–2; Mar. 3.
Brooch or similar article. A. Spaney. 131,458; Mar. 3.
Burner unit, Portable. S. T. Howard. 131,477; Mar. 3.
Button or similar article. A. C. Welchlin and J. B. Newcom. 131,475; Mar. 3.
Cabinet for knitting pins or the like, Combined display and storage. E. D. Davis. 131,463; Mar. 3.
Cabinet or similar article, Popcorn. H. C. Wheeler. 131,485; Mar. 3.
Case for piston rings or the like, Sample. R. E. Rippley. 131,457; Mar. 3.
Casing for sound reproducing apparatus. D. C. Rockola. 131,482–3; Mar. 3.
Clasp, Hair. S. F. Kayn. 131,455; Mar. 3.
Comb or similar article. A. L. Le Febvre. 131,471; Mar. 3.
Counter, Revolving. J. V. Avila. 131,453; Mar. 3.
Dial money clip or similar article. H. D. Lee. 131,492; Mar. 3.
Dish or article of similar nature, Glass serving. A. J. Dreitzer. 131,465; Mar. 3.
Fish lure. O. C. Tuttle. 131,484; Mar. 3.
Fishing rod handle or analogous article. W. G. Pontis. 131,494; Mar. 3.
Frame, Tapestry covered picture. I. Jolles. 131,469; Mar. 3.
Game pieces, Set of. J. W. Patterson. 131,480; Mar. 3.
Glass sherbert or article of similar nature. A. J. Dreitzer. 131,464; Mar. 3.
Guide or similar article, Cake slicing. A. J. Eggleston. 131,454; Mar. 3.
Heel, Rubber. C. Jenco. 131,491; Mar. 3.
Holder, ash tray and supply receptacle, Combined memorandum pad. D. Norwood. 131,493; Mar. 3.
Lace medallion, Embroidered. H. Schwarber. 131,495–7; Mar. 3.
Light fixture. E. C. Koegel. 131,478; Mar. 3.
Lure, Fish. L. B. Cook. 131,476; Mar. 3.
Paper or the like, Embossed. K. C. Hamilton. 131,490; Mar. 3.
Pin or similar article. F. Nathan. 131,479; Mar. 3.
Pin or the like. S. Turnbull. 131,474; Mar. 3.
Rack for combs. F. A. Wornhoff. 131,459; Mar. 3.
Range, Portable. S. T. Howard. 131,468; Mar. 3.
Spectacle frame. A. Blum. 131,486; Mar. 3.
Storage cabinet, magazine rack, and seat, Combination. C. C. J. Thelander. 131,473; Mar. 3.
Sweater. A. Gepner. 131,489; Mar. 3.
Vise. H. W. Vogl. 131,498; Mar. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive cutting wheel. H. V. Allison. 2,275,339; Mar. 3.
Acid, Distillation of higher. V. Mills. 2,274,802; Mar. 3.
Acids, Distilling higher fatty. V. Mills. 2,274,801; Mar. 3.
Adhesive grease composition. J. C. Zimmer and A. J. Morway. 2,275,123; Mar. 3.
Adjustable bag holder. E. R. Ammon. 2,275,000; Mar. 3.
Adjusting means for air valves. E. A. Davies. 2,275,397; Mar. 3.
Aerial multimine. E. Bickel. 2,274,655; Mar. 3.
Air conditioning device. J. P. Glasby, Jr. 2,275,358; Mar. 3.
Air conditioning system for rail vehicles. A. O. Williams. 2,275,120; Mar. 3.
Air conditioning unit. G. H. Greenway. 2,275,295; Mar. 3.
Air impeller device. H. Rosskopf. 2,274,743; Mar. 3.
Airplane wing. J. C. Whitesell, Jr., R. Contini, W. W. Farr, K. J. Bossart, E. T. Ridgway, and W. L. Dieter. 2,275,038; Mar. 3.
Alarm, Burglar. F. F. Richards. 2,274,870; Mar. 3.
Album for photographs or negatives. C. D. Trussell. 2,274,944; Mar. 3.
Alkyl esters of 3-methyl-Δ4-tetrahydrophthalic acid. F. J. Soday. 2,275,385; Mar. 3.
Alloy: *See*—
Aluminum alloy.
Magnesium alloy.
Aluminum-berryllium alloy.
Soldering alloy.
Alloys, Double aged copper base. R. H. Harrington. 2,275,188; Mar. 3.
Alternating current braking circuit. F. W. Wendelburg and R. J. Wadd. 2,275,118; Mar. 3.
Aluminum alloy. W. Bonsack. 2,274,657; Mar. 3.
Aluminum-beryllium alloy. C. Adamoli. 2,275,070; Mar. 3.
Amide derivatives and making, Carboxylic acid. C. A. Lyford. 2,274,716; Mar. 3.
Amides acylated with acylating agents containing a water solubilizing group. C. Graenacher, F. Ackermann, and H. Gruengger. 2,275,013; Mar. 3.
Amides, Polyalkylene ether sulfonyl. T. B. Johnson. 2,275,379; Mar. 3.
Amplifier. D. E. Norgaard. 2,275,401; Mar. 3.
Amusement apparatus. T. U. Sisson. 2,274,811; Mar. 3.
Amyl esters of 3-methyl-Δ4-tetrahydrophthalic acid. F. J. Soday. 2,275,386; Mar. 3.
Anchoring device. A. M. Draving. 2,275,058; Mar. 3.
Andiron. S. B. Covert. 2,274,920; Mar. 3.
Anhydrides, Hydrogenating aliphatic carboxylic acid. W. A. Lazier. 2,275,152; Mar. 3.
Antenna, High frequency. G. H. Brown. 2,275,342; Mar. 3.
Antenna operating reel. L. S. Brach. 2,274,882; Mar. 3.
Antenna, Turnstile. J. Epstein. 2,275,030; Mar. 3.
Antennas, Angularly mounting vehicle. L. S. Brach. 2,274,884; Mar. 3.
Apparatus and method for resurfacing bearings. R. F. James. 2,274,964; Mar. 3.
Apparatus for and method of controlling drift in lehrs. D. G. Merrill. 2,275,268; Mar. 3.
Apparatus for babbitting or lining bearing shells. D. dos Reis. 2,275,057; Mar. 3.
Apparatus for charging compressed gas material breaking cartridges. F. H. Armstrong. 2,274,771; Mar. 3.
Apparatus for conditioning air. H. J. Kaufman. 2,274,704; Mar. 3.
Apparatus for determining the position of the conductor in electrical cables. M. F. Peters and T. B. Godfrey. 2,274,735; Mar. 3.
Apparatus for electrical precipitation. E. Anderson. 2,275,001; Mar. 3.
Apparatus for sending and recording time impulses. O. F. Ritzmann. 2,275,316; Mar. 3.
Apparatus for separating commingled stock. H. H. Collier. 2,274,887; Mar. 3.
Apparatus for treating feet and the like. W. C. Rast. 2,274,739; Mar. 3.
Apparatus for treating, purifying, and separating molten metals. M. Meyer. 2,275,266; Mar. 3.
Apparatus for wrapping armor on conductors. D. C. Hubbard. 2,274,833; Mar. 3.
Apparel, Wearing. R. H. Reiss and R. J. Randall. 2,275,090; Mar. 3.
Article embodying thin foils or sheets. F. Kroner. 2,274,712; Mar. 3.
Ash tray, Cigarette extinguishing. J. S. Aubuchon. 2,275,099; Mar. 3.
Atomizer. H. E. Curry. 2,274,669; Mar. 3.
Attachment structure. W. L. Zink and G. L. McKibben. 2,274,767; Mar. 3.
Auto signal. S. Kalisz. 2,275,260; Mar. 3.
Axle construction, Adjustable. R. M. Magnuson. 2,275,302; Mar. 3.
Azo derivatives of carboxylic acid amides and making. C. A. Lyford. 2,274,717; Mar. 3.
Bag structure. T. E. Piazzie. 2,274,934; Mar. 3.
Ball, Playing. F. S. de Beer. 2,275,374; Mar. 3.
Band actuator, Friction. J. D. Hale. 2,275,142; Mar. 3.
Beading machine. J. Emmerich. 2,274,827; Mar. 3.
Bearing: *See*—
Thrust bearing.
Bearing structure. D. E. Davis. 2,274,779; Mar. 3.
Bellows, Manufacture of built-up. L. C. Shippy. 2,275,112; Mar. 3.
Beverage, Milk custard. W. H. Hubbell. 2,275,225; Mar. 3.
Bit: *See*—
Pipe bit.
Bite wing for dental film packs and the like. I. C. Rinn. 2,274,808; Mar. 3.
Blade, Clipper. E. J. Hill. 2,274,924; Mar. 3.
Blind cage valve. W. A. O'Bannon. 2,274,968; Mar. 3.
Blind, Venetian. F. E. Lawson. 2,274,837; Mar. 3.
Bodies to a support, Attaching fragile. R. J. Ray. 2,275,315; Mar. 3.
Bonding and heating treating, Combination. W. B. Crans. 2,275,177; Mar. 3.
Bowling alley. R. H. Farquhar. 2,275,222; Mar. 3.
Box: *See*—
Folding box.
Box for papermaking machines, Drain. E. E. Berry. 2,274,654; Mar. 3.
Box toe heater. R. H. Lowe. 2,275,370; Mar. 3.
Brace or like article. H. J. Bayon. 2,274,652; Mar. 3.
Bracket: *See*—
Clothesline bracket.
Window bracket.
Bracket. O. W. Snyder. 2,274,995; Mar. 3.
Brake: *See*—
Hydraulic brake.
Radial brake.
Brake. R. G. Aurien. 2,274,857; Mar. 3.
Brake. G. E. Ingram. 2,275,079; Mar. 3.
Brake mechanism. W. J. Andres and F. E. Strohm. 2,275,338; Mar. 3.
Brake mechanism. P. W. Gaenssle. 2,274,860; Mar. 3.
Braking system, Fluid pressure. W. R. Freeman. 2,275,255; Mar. 3.
Branch holder. J. F. Bigham. 2,275,282; Mar. 3.
Brickwork, Refractory. W. R. McLain. 2,275,083; Mar. 3.
Brush, Shoe polishing. A. W. Cords. 2,275,350; Mar. 3.
Buckle applying machine. G. E. Klock and K. J. Harwood. 2,274,795; Mar. 3.
Builder attachment for winding machines and the like, Bunch. H. Treckmann. 2,275,069; Mar. 3.
Building blocks, Making. C. W. Murchison. 2,275,087; Mar. 3.
Building construction. R. T. McGee. 2,275,109; Mar. 3.
Building construction. A. N. White. 2,275,056; Mar. 3.
Building construction, Sectional. F. V. Wilson, Jr., and J. W. Germond. 2,275,275; Mar. 3.
Building material and making the same. L. C. Karrick. 2,274,705; Mar. 3.
Building structure. B. F. Adams. 2,274,916; Mar. 3.
Building structure. P. H. Pennell. 2,274,848; Mar. 3.
Burner: *See*—
Fuel burner.
Oil burner.
Gas and oil burner.
Bus system, Electrical. H. H. Rudd. 2,275,203; Mar. 3.
Butadiene extraction. E. V. Fasce. 2,275,135; Mar. 3.
Butyl esters of 4-methyl-Δ4-tetrahydrophthalic acid. F. J. Soday. 2,275,384; Mar. 3.
Cable: *See*—
Electric cable.
Cable reinforcement. T. F. Peterson. 2,275,019; Mar. 3.
Cables and the like through structural wall members, Passing. E. B. Wheeler. 2,274,913; Mar. 3.
Calculating machine. H. W. Clark and J. W. Dezenzo. 2,274,919; Mar. 3.
Calculating machine. R. L. Muller. 2,274,803; Mar. 3.
Calendar device, Desk. M. Vogel. 2,274,813; Mar. 3.
Calling apparatus. C. E. Lomax. 2,274,715; Mar. 3.
Camera. G. Kende and P. J. Brownscombe. 2,274,707; Mar. 3.
Camera, Electron diffraction. J. E. Ruedy. 2,275,234; Mar. 3.
Can: *See*—
Safety can.
Can body making machine. N. Pelosi. 2,274,733; Mar. 3.
Candles, Making. A. T. Candy, Jr. 2,274,823; Mar. 3.

Candy forming machine. E. E. Cahoon. 2,274,664; Mar. 3.
Cap for receptacles, Pouring and closing. E. D. Moss. 2,274,843–4; Mar. 3.
Caps, Method of and apparatus for making. E. M. Enkur. 2,275,220; Mar. 3.
Capsules, Making. E. C. Merrill, J. W. Reddie, and J. M. Anderson. 2,275,154; Mar. 3.
Car: *See*—
Refrigerator car.
Car construction. R. J. Olander. 2,274,846; Mar. 3.
Carburizing. E. F. Davis. 2,275,133; Mar. 3.
Carrier controlled modulator. M. G. Crosby. 2,275,287; Mar. 3.
Carton. B. J. Davidson. 2,275,134; Mar. 3.
Cash register and accounting machine. P. Spurlino and W. E. Eickman. 2,274,853; Mar. 3.
Catalysts, Manufacture of. V. N. Ipatieff and R. E. Schaad. 2,275,182; Mar. 3.
Catalysts, Treating. M. P. Matuszak. 2,274,988; Mar. 3.
Catalytic conversion process. L. Heard. 2,274,634; Mar. 3.
Cathode ray tube. D. W. Epstein. 2,275,029; Mar. 3.
Cellulosic spinning solution. T. A. Printon. 2,275,199; Mar. 3.
Cellulosic structure and preparing same. W. H. Charch and F. P. Alles. 2,275,347; Mar. 3.
Cementer. W. J. Travers, Jr. 2,274,756; Mar. 3.
Centrifugal pump. De W. E. Yates. 2,274,763; Mar. 3.
Chart, Statistical. P. H. Perényi. 2,275,313; Mar. 3.
Chromium-containing layers on ferrous surfaces, Formation of. K. Daeves, G. Becker, and F. Steinberg. 2,274,671; Mar. 3.
Chucking means. F. J. Bechert. 2,275,343; Mar. 3.
Circuit: *See*—
Alternating current breaking circuit.
Control circuit.
Electrical timing circuit.
Telegraph alarm circuit.
Circuit control mechanism. W. W. Betz. 2,275,040; Mar. 3.
Circuit interrupter. F. G. Logan. 2,274,838; Mar. 3.
Circuits, Amplifier. E. B. Ferrell. 2,275,136; Mar. 3.
Circulation of heat treatment atmospheres. C. I. Hayes. 2,275,106; Mar. 3.
Clamp: *See*—
Garment stretcher clamp.
Clamp for die stock and template. H. M. Bolston. 2,274,881; Mar. 3.
Cleaner: *See*—
Flue cleaner.
Suction cleaner.
Cleaning device, Water main. W. G. Lowry. 2,275,190; Mar. 3.
Clip and molding assembly. R. L. Brown. 2,275,127; Mar. 3.
Clip construction. W. R. Wiley. 2,275,119; Mar. 3.
Clip for railway wheels, Tire retaining. G. McCormick. 2,274,928; Mar. 3.
Clipper. N. Holsclaw. 2,275,180; Mar. 3.
Clipper, Hair. P. Monti. 2,275,110; Mar. 3.
Clock mechanism. P. J. McCullough. 2,274,724; Mar. 3.
Closure. R. Becker. 2,274,819; Mar. 3.
Cloth, Shrinking. B. R. Andrews. 2,275,278; Mar. 3.
Clothes rack. D. H. Bitney. 2,274,772; Mar. 3.
Clothesline bracket. G. D. Renne. 2,274,850; Mar. 3.
Clutch: *See*—
Fluid operated clutch.
Friction clutch.
Clutch. F. W. Harris. 2,275,046; Mar. 3.
Clutch and clutch control. E. E. Wemp. 2,275,388; Mar. 3.
Clutch construction. W. C. Starkey. 2,274,873; Mar. 3.
Clutch operating mechanism. H. Nutt. 2,275,158; Mar. 3.
Coin-freed mechanism. G. Michaelson. 2,275,084; Mar. 3.
Coke oven door. H. Koppers. 2,275,400; Mar. 3.
Collar support for shirts. I. F. Welch. 2,275,098; Mar. 3.
Comb, Barber's. H. L. Higgins. 2,275,077; Mar. 3.
Combinator head or homogenizer. J. Marco. 2,274,720; Mar. 3.
Communication system, Multiplex. F. C. P. Henroteau. 2,275,224; Mar. 3.
Composition of matter and making same. F. J. Soday. 2,275,383; Mar. 3.
Composition of matter suited to the treatment of nasal allergy and associated conditions. E. E. Edmondson. 2,275,292; Mar. 3.
Concrete, Curing. E. W. Scripture, Jr. 2,275,272; Mar. 3.
Concrete or mortar, Manufacture of. C. Pontoppidan. 2,274,936; Mar. 3.
Connecting means. T. F. Johnson. 2,274,809; Mar. 3.
Connector: *See*—
Electric rail connector.
Electrical wire connector.
Connector. D. W. Hudson. 2,275,226; Mar. 3.
Contact masses, Reactivitation of. L. A. Mekler. 2,275,184; Mar. 3.
Container. W. F. Straub. 2,274,752; Mar. 3.
Container and making the same. G. A. Moore. 2,275,063; Mar. 3.
Container combination. F. E. Bryant. 2,274,973; Mar. 3.
Container, display and dispenser. J. B. Foley. 2,275,293; Mar. 3.
Containers, Manufacturing fiber. H. W. Morgan. 2,275,157; Mar. 3.
Control apparatus. H. A. Rolnick. 2,274,741; Mar. 3.
Control apparatus for alternating current devices. C. Niemann. 2,275,308; Mar. 3.
Control apparatus for land, marine, and aerial vehicles. R. Esnault-Pelterie. 2,274,734; Mar. 3.
Control device. W. A. Ray. 2,274,939; Mar. 3.
Control mechanism for vertical hydraulic broaching machines. K. C. Monroe. 2,275,196; Mar. 3.
Control circuit. W. A. Ray. 2,274,938; Mar. 3.
Control system. C. A. Bailey. 2,275,102; Mar. 3.
Control system. B. W. Jones. 2,275,197; Mar. 3.
Control system. W. R. Koch. 2,275,016; Mar. 3.
Conveyer, Steel mill. G. A. Bee and J. E. McBride. 2,275,244; Mar. 3.
Conveying and treating apparatus. F. Eberhart. 2,274,677; Mar. 3.
Cooler and conveyer. N. Ahlmann. 2,274,948; Mar. 3.
Copper powder, Manufacture of flake. O. A. Ziehl. 2,274,766; Mar. 3.
Corner bead, Metal. D. J. Briggs and F. De Nio, Jr. 2,274,662; Mar. 3.
Counterbalancing device, Resilient. H. H. Raulerson. 2,274,937; Mar. 3.
Coupler. F. S. Barks and A. P. Fox. 2,274,651; Mar. 3.
Coupler, Multijawed chuck-type hydraulic snap-on. E. P. Sundholm. 2,274,753; Mar. 3.
Coupling: *See*—
Flexible coupling.
Shaft coupling.
Coupling. M. P. Laurent. 2,275,301; Mar. 3.
Covers for electric discharge tubes, Making. M. Heim. 2,274,692; Mar. 3.
Crate, Insulator packing. E. R. Wilson. 2,275,332; Mar. 3.
Creep check. E. A. Skowron and R. R. Ritchey. 2,274,871; Mar. 3.
Crushing mechanism. G. B. and C. F. Wettlaufer. 2,274,758; Mar. 3.
Cuff for garments, Adjustable. I. Geist. 2,274,980; Mar. 3.
Cultivator, Tractor. W. L. Zink and V. O. Hauswirth. 2,274,769; Mar. 3.
Cup, Hydrometric gauging. D. W. Griffin. 2,274,689; Mar. 3.
Current control system, Carrier. H. E. Hershey. 2,275,146; Mar. 3.
Current system, Carrier. H. E. Hershey. 2,275,147; Mar. 3.
Cutter: *See*—
Roll paper cutter.
Cylinders, Constructing. G. T. Koch. 2,274,835; Mar. 3.
Dental apparatus. H. Freedman. 2,274,893; Mar. 3.
Dental device. E. C. West. 2,274,814; Mar. 3.
Depolarization means. E. Berl. 2,275,281; Mar. 3.
Depth gauge. A. A. Schwartz. 2,275,036; Mar. 3.
Detergent. A. L. Rawlins and L. A. Sweet. 2,274,807; Mar. 3.
Device for showing the distribution of the intensity in a neutron beam. H. I. Kallmann and E. Kuhn. 2,274,901; Mar. 3.
Dextrine, Production of. A. C. Horesi. 2,274,789; Mar. 3.
Diaper, Pinless. H. B. Wolte. 2,274,915; Mar. 3.
Die device. H. W. Finzel. 2,274,828; Mar. 3.
Digger chain blade and soil elevator. W. R. Tiffany. 2,274,970; Mar. 3.
Discharge valve. D. N. Crosthwait, Jr., and E. W. Werts. 2,275,132; Mar. 3.
Dishwashing machine. A. O. Wieghart. 2,275,189; Mar. 3.
Dispenser and closure for containers. A. H. Peterson. 2,274,849; Mar. 3.
Dispensing device. G. L. Housley. 2,274,790; Mar. 3.
Dispensing device. F. H. Maloney. 2,275,051; Mar. 3.
Dispensing device. W. H. Martens. 2,274,866; Mar. 3.
Diverter valve. C. Groen. 2,274,787; Mar. 3.
Document case. P. D. Barrett. 2,275,373; Mar. 3.
Doll, Walking. J. T. Hayden. 2,275,047; Mar. 3.
Door pull, Automobile. J. C. Fox. 2,274,892; Mar. 3.
Dough, Testing. C. W. Brabender. 2,275,341; Mar. 3.
Draft regulator. D. M. Hanson. 2,274,690; Mar. 3.
Drawbar. W. L. Zink. 2,274,768; Mar. 3.
Drier control. J. F. Cobb. 2,275,042; Mar. 3.
Drill: *See*—
Rock drill.
Drill steel centralizer. A. Feucht and T. A. Schmidt. 2,274,698; Mar. 3.
Drive, Washing machine. H. D. Croft and J. Oakley. 2,274,950; Mar. 3.
Driving mechanism. J. Oakley. 2,274,931; Mar. 3.
Duct joint. W. J. Gray. 2,274,785; Mar. 3.
Dye, Azo. F. Zwilgmeyer. 2,275,124; Mar. 3.
Dyestuffs, Disazo. W. H. Cliffe, A. Kershaw, and A. H. Knight. 2,275,130; Mar. 3.
Dynamite improvement in water resistance by coating. R. W. Cairns and W. M. Cobb, Jr. 2,274,822; Mar. 3.
Electric cable. G. S. Clark and J. H. Palmer. 2,275,187; Mar. 3.
Electric heating element. B. V. Mitchell. 2,275,228; Mar. 3.
Electric rail connector. R. S. James. 2,275,367; Mar. 3.
Electrical current control and visual interpretation of electrical current. R. D. Burchfield. 2,275,283; Mar. 3.
Electrical fixture. R. Kostal. 2,274,798; Mar. 3.

Electrical prospecting apparatus. S. Krasnow and J. M. S. Kaufman. 2,274,903; Mar. 3.
Electrical rebound device. K. A. Bevington. 2,275,005; Mar. 3.
Electrical timing circuit. M. G. Nelsen. 2,274,992; Mar. 3.
Electrical wire connector. G. C. Thomas, Jr. 2,275,163; Mar. 3.
Electrically conductive fabric. L. Marick and J. Schreiber. 2,274,840; Mar. 3.
Electrode. R. R. Sizelove. 2,275,194; Mar. 3.
Electrode holder. P. Bourque. 2,275,168; Mar. 3.
Electrodes for voltolization. R. W. Richardson and G. L. Matheson. 2,274,636; Mar. 3.
Electrolytic process of treating whole distillery slop. C. J. Brockman. 2,275,217; Mar. 3.
Electromagnetic apparatus. P. Trombetta. 2,275,115; Mar. 3.
Electromagnetic motor. J. S. Thompson. 2,274,875; Mar. 3.
Electron discharge tubes and circuits therefor. D. A. Bell. 2,275,027; Mar. 3.
Electronic reactance, Variable. H. M. Bach. 2,274,648; Mar. 3.
Electro-optical apparatus. H. E. Ives. 2,274,687; Mar. 3.
Electro-optical image production. W. A. Knoop. 2,274,709–10; Mar. 3.
Electro-optical system. F. Gray. 2,274,686; Mar. 3.
Electrosurgical instrument. W. Bierman. 2,275,167; Mar. 3.
Engine: *See*—
Internal combustion engine.
Rotary engine.
Engine. G. H. Fraser. 2,274,683; Mar. 3.
Engine and adjuncts therefor, Internal combustion. T. R. Arden. 2,274,644; Mar. 3.
Engine remover and replacer. B. Broccoli. 2,275,216; Mar. 3.
Equipment to produce packaged rolls. R. H. Schultz and A. J. Siebert. 2,274,745; Mar. 3.
Esters of 4-cyclohexene-1,2-dicarboxylic acid. C. L. Moyle. 2,275,034; Mar. 3.
Ether, disulfonyl halides and making them, Polyalkylene. T. B. Johnson. 2,275,378; Mar. 3.
Ethyl chloride from ethyl chloride-butane mixtures, Recovery of. C. N. Kimberlin. 2,275,151; Mar. 3.
Evaporator for refrigerating systems. R. S. Nelson and A. D. Siedle. 2,274,967; Mar. 3.
Expansion chamber for bushing insulators. T. F. Brandt and H. L. Brouse. 2,275,215; Mar. 3.
Eye structure for dolls. B. L. Henry. 2,274,694; Mar. 3.
Eyeleting machine. S. L. Gookin. 2,274,685; Mar. 3.
Fabric: *See*—
Electrically conductive fabric.
Knitted fabric.
Fastener: *See*—
Lid fastener.
Fasteners, Forming thermoplastic. D. Marinsky. 2,274,722; Mar. 3.
Feed mechanism for rock drills. J. C. Curtis. 2,274,670; Mar. 3.
Feeding mechanism for shaker or jigging conveyers. E. R. Bergmann. 2,275,245; Mar. 3.
File with roller extension mounting, Reinforced collapsible. S. Scheinman. 2,275,322; Mar. 3.
Filing apparatus. J. B. Murray. 2,274,908; Mar. 3.
Film and method of making, Cellulosic. W. H. Charch and F. P. Alles. 2,275,348; Mar. 3.
Films, Treating motion picture. G. J. Gage. 2,275,139; Mar. 3.
Filter medium and filter body made therefrom. A. M. Goodloe. 2,274,684; Mar. 3.
Filtering composition. D. O. Meeker and E. E. Henderson. 2,274,725; Mar. 3.
Fire extinguishing apparatus. E. Geertz. 2,274,783; Mar. 3.
Fire protection system for large airports. E. Geertz. 2,274,784; Mar. 3.
Fireplace screen. J. F. Shannon. 2,275,236; Mar. 3.
Fishing float. G. M. Haynes. 2,275,076; Mar. 3.
Fitting for post insulators. J. J. Taylor. 2,275,207; Mar. 3.
Flame hardening device. G. O. Gridley. 2,274,861; Mar. 3.
Flashlight synchronizing apparatus. E. A. H. Goldring. 2,275,221; Mar. 3.
Flexible coupling. J. W. Hobbs. 2,274,832; Mar. 3.
Floor construction, light weight. G. A. Collender. 2,275,349; Mar. 3.
Flue cleaner. T. Savicki. 2,275,320; Mar. 3.
Fluid operated clutch. R. L. Smirl. 2,275,204; Mar. 3.
Flux and rod for braze welding. R. M. Rooke and F. C. Snacke. 2,274,637; Mar. 3.
Folder, File. J. B. Murray. 2,274,909; Mar. 3.
Folding box. D. Levkoff. 2,274,714; Mar. 3.
Food cooking device. R. Sardeson. 2,274,810; Mar. 3.
Form, Shoe. J. B. Bradshaw. 2,275,072; Mar. 3.
Form tie. G. H. Bugenhagen. 2,274,773; Mar. 3.
Forming device. W. A. Wisckol. 2,274,856; Mar. 3.
Forming machine for hollow glassware. T. F. Pearson. 2,275,231; Mar. 3.
Fountain, Sanitary drinking. D. McB. Purdom. 2,275,200; Mar. 3.
Friction clutch. C. A. Ruesenberg and J. Patkus. 2,275,068; Mar. 3.
Friction clutch. E. E. Wemp. 2,275,387; Mar. 3.
Fruits, etc., Treating. O. J. Steinwand. 2,274,874; Mar. 3.
Fuel burner. E. G. Bailey. 2,275,395; Mar. 3.
Fuel burning apparatus, Pulverized. R. M. Hardgrove. 2,275,394; Mar. 3.
Fuel, Diesel. L. A. Clarke. 2,274,665; Mar. 3.
Fuel, Diesel. L. A. Clarke, E. F. Pevere and W. N. Meyer. 2,274,666; Mar. 3.
Fuel, Manufacturing motor. F. E. Frey. 2,275,377; Mar. 3.
Fuel, Motor. G. H. Cloud. 2,275,175; Mar. 3.
Fuel supply system for burners. E. H. Mueller. 2,275,267; Mar. 3.
Furnace control system. H. G. Mead. 2,275,265; Mar. 3.
Fuse. H. G. Towner 2,274,755; Mar 3.
Fuse switch. T. F. Johnson. 2,274,898; Mar. 3.
Game apparatus. J. H. Morrison, C. E. Cusack and H. H. Berger. 2,275,306; Mar. 3.
Game, Ball. T. Heil. 2,275,179; Mar. 3.
Game means. C. H. Peek. 2,274,933; Mar. 3.
Garment. W. E. Paulsen. 2,274,732; Mar. 3.
Garment conveyer. A. W. Keating. 2,274,793; Mar. 3.
Garment, Reinforced. A. C. Biddle. 2,274,656; Mar. 3.
Garment stretcher clamp. O. L. Nygaard and E. K. Elkvang. 2,274,804; Mar. 3.
Garter. E. M. Tompsett. 2,274,912; Mar. 3.
Gas and oil burner, Combination. J. S. Zink. 2,274,818; Mar. 3.
Gas lift apparatus in oil wells, Removable. T. E. Bryan. 2,275,345; Mar. 3.
Gas treatment process. H. A. Gollmar and B. J. C. van der Hoeven. 2,275,294; Mar. 3.
Gasket material. K. Michel and E. Hotzenlauth. 2,275,085; Mar. 3.
Gauge: *See*—
Depth gauge.
Gear: *See*—
Mine car bumper and draft gear.
Gear cutter and method of cutting gears. E. Wildhaber. 2,274,761; Mar. 3.
Gear equipment, Locomotive power reverse. W. E. Woodard. 2,275,277; Mar. 3.
Gear formation. F. Burnett. 2,275,100; Mar. 3.
Gin pole. H. J. Martin. 2,275,195; Mar. 3.
Girdle or foundation garment. L. J. A. Amyot. 2,274,770; Mar. 3.
Glass, Drawing sheet. G. Kilian and R. Strohschneider. 2,274,986; Mar. 3.
Glass, Fining of. F. W. Adams. 2,274,643; Mar. 3.
Glass handling apparatus. W. Owen. 2,274,729; Mar. 3.
Glass, Safety. B. J. Dennison. 2,274,672; Mar. 3.
Glass tank. A. W. Dodge. 2,275,010; Mar. 3.
Glove, Pneumatic boxing. F. H. Sutherland. 2,275,206; Mar. 3.
Glow discharge tube. H. Adam. 2,275,242; Mar. 3.
Glue suitable for gluing wood veneers. G. G. Pierson. 2,275,314; Mar. 3.
Goggles. W. H. Huggins. 2,274,791; Mar. 3.
Golf bag support. F. J. Hearnshaw. 2,275,297; Mar. 3.
Governor apparatus for the fuel delivery of Diesel and other injection internal combustion engines. H. Heinrich, A. Schweizer, and M. Hurst. 2,274,693; Mar. 3.
Grain threshing and separating machine. E. E. Metcalf. 2,275,392; Mar. 3.
Graining machine. H. J. Pattison. 2,274,847; Mar. 3.
Granular or powdered material, Method and apparatus for treating. M. Vogel-Jorgensen. 2,275,116; Mar. 3.
Grating structure. G. G. Greulich. 2,275,104–5; Mar. 3.
Grease gun. J. Levanas. 2,275,108; Mar. 3.
Ground working attachment for tractors. F. P. Lawler. 2,275,390; Mar. 3.
Guiding and locking device for window sash. C. C. Stewart. 2,274,854; Mar. 3.
Hair receptacle. W. A. Thomas. 2,275,022; Mar. 3.
Hammer, Internal combustion percussive. C. L. Charles. 2,275,285; Mar. 3.
Hamper. H. Gleitsman. 2,275,257; Mar. 3.
Hand brake signal. W. H. R. Mildebrath. 2,274,990; Mar. 3.
Handle bar for bicycles, Cushioned. F. W. Schwinn. 2,274,747; Mar. 3.
Handle for cooking utensils. D. A. Belden. 2,275,280; Mar. 3.
Handrail for moving stairways. O. Hohnecker. 2,275,048; Mar. 3.
Heater: *See*—
Box toe heater.
Heater attachment for electric fans. J. M. Naul. 2,274,935; Mar. 3.
Heater for electrically heated domestic utensils and other appliances, Immersion. A. E. Newton. 2,274,930; Mar. 3.
Heterocyclic compounds, Preparation of new therapeutically useful. A. J. Ewins and M. A. Phillips. 2,275,354; Mar. 3.
Hexamethine compound, Organic. W. Zeh. 2,275,024; Mar. 3.
Hinge construction. C. E. Campbell. 2,275,128; Mar. 3.
Hoist, Traversing. G. Haniquet. 2,274,895; Mar. 3.
Holder: *See*—
Adjustable bag holder.
Branch holder.
Electrode holder.
Paint pot holder.
Tool holder.
Holder and lock, License plate. W. F. A. Buehner. 2,275,073; Mar. 3.

Hollow cast metal valve. A. T. Colwell. 2,274,667; Mar. 3.
Hood latch. W. H. Krause. 2,274,711; Mar. 3.
Hook: *See*—
Supporting hook.
Hook or the like, Lumber. K. C. Jenne and G. F. Manion. 2,274,985; Mar. 3.
Hooks to bait plugs, Securing. W. F. Eger. 2,275,253; Mar. 3.
Hopper. M. A. Weckerly. 2,275,331; Mar. 3.
Hose, Electrically heated. L. Marick. 2,274,839; Mar. 3.
Hydraulic brake. H. C. Brown. 2,274,885; Mar. 3.
Hydrocarbon copolymer and preparing same. W. H. Smyers. 2,274,749; Mar. 3.
Hydrocarbon fluids, Treating. F. O. Rice. 2,275,232; Mar. 3.
Hydrocarbons, Catalytically treating. E. C. Pitzer and L. Heard. 2,274,633; Mar. 3.
Hydrocarbons, Polymerizing butadiene. H. Wollthan and W. Becker. 2,275,241; Mar. 3.
Hydrocarbons, Production of. A. Schenermann and A. Kotzschmar. 2,274,639; Mar. 3.
Hydrocarbons, Treatment of. E. N. Hague. 2,275,178; Mar. 3.
Hydrogenating hydrocarbons. V. N. Ipatieff and B. B. Corson. 2,275,181; Mar. 3.
Ice machine. C. A. Wingate and W. J. Wingate. 2,275,121; Mar. 3.
Ignition timer. S. P. Winther, Jr. 2,274,816; Mar. 3.
Implement for gathering objects from the soil. W. H. Teuscher. 2,274,941; Mar. 3.
Incinerator, Refuse and waste. H. O. Duerr and W. F. Drew. 2,274,780; Mar. 3.
Incubator. C. J. Smith. 2,274,640; Mar. 3.
Indexing means. W. L. Carlson. 2,275,284; Mar. 3.
Indexing mechanism. F. L. Creager. 2,275,286; Mar. 3.
Indicating system. T. J. Smulski. 2,275,237; Mar. 3.
Indicator: *See*—
Radio course indicator.
Induction devices, Method and apparatus for insulating and cooling stationary. H. Ensminger. 2,274,781; Mar. 3.
Inertia switch. W. J. Erich. 2,275,011; Mar. 3.
Ink and making and using same, Printing. C. Ellis. 2,275,101; Mar. 3.
Insert tab for license plates. A. F. Ruffin. 2,274,744; Mar. 3.
Insulator and coating same, High tension electric. L. J. Dykstra and E. M. Meyer. 2,274,955; Mar. 3.
Insulator and method of attaching a metal fitting thereto, High tension electric. L. J. Dykstra and E. M. Meyer. 2,274,954; Mar. 3.
Insulator, Electric. J. J. Taylor. 2,275,208; Mar. 3.
Internal combustion engine. L. P. Waguespack. 2,274,877; Mar. 3.
Investigating substances. H. I. Kallmann and E. Kuhn. 2,274,900; Mar. 3.
Irradiation method and process. M. J. Dorcas. 2,275,375; Mar. 3.
Iron: *See*—
Moving iron.
Isoparaffins with ethylene, Alkylation of. W. E. Bradley. 2,274,858; Mar. 3.
Jack structure. J. D. Kitchen. 2,274,794; Mar. 3.
Joint: *See*—
Duct joint. Pipe joint.
Joint breaker and cathead. J. H. Schreiber. 2,275,271; Mar. 3.
Key case. C. H. Bills. 2,274,820; Mar. 3.
Knitted fabric. A. N. Cloutier. 2,275,248; Mar. 3.
Lace strips, Producing. N. Kaminow. 2,275,227; Mar. 3.
Ladder. S. P. Moore. 2,275,086; Mar. 3.
Ladder web. S. J. Taylor. 2,275,273; Mar. 3.
Laminated product and manufacture, Luminous. J. F. Dreyer. 2,275,290; Mar. 3.
Laminated sheet. P. Zalkind. 2,274,765; Mar. 3.
Lamp attachment, Spot. R. H. Hummert. 2,275,299; Mar. 3.
Lantern, Electric. H. B. Patche. 2,274,932; Mar. 3.
Lapping machine. H. S. Indge. 2,275,061; Mar. 3.
Latch: *See*—
Hood latch.
Latch and operating means therefor, Hood. R. Hill and W. H. Krause. 2,274,696; Mar. 3.
Leg structure, Folding. G. J. Engert. 2,275,353; Mar. 3.
Lens system. E. I. Buckley. 2,274,974; Mar. 3.
Lid fastener. J. B. Smith, Jr. 2,274,872; Mar. 3.
Lift device for doors. V. Willoughby. 2,274,878; Mar. 3.
Lifting device. A. R. Carr. 2,275,074; Mar. 3.
Light polarizing medium, Making a. L. A. Keim. 2,274,706; Mar. 3.
Light tube adapter, Fluorescent. A. H. McMullen. 2,274,868; Mar. 3.
Lighter, Automatic. V. O. Beam. 2,275,279; Mar. 3.
Liquid dispersions, Degasification and clarification of. R. B. Booth. 2,274,658; Mar. 3.
Liquid purification. O. M. Urbain and W. R. Stemen. 2,275,210–11; Mar. 3.
Liquid purification. O. M. Urbain, and W. R. Stemen. 2,275,211; Mar. 3.
Lock: *See*—
Sliding door lock.
Lock. A. H. Golden and C. Ledin. 2,275,362; Mar. 3.
Lock slider, Automatic. L. H. Morin. 2,274,723; Mar. 3.
Locking means for automatic tuners. L. J. Leishman. 2,275,369; Mar. 3.
Locking means for servomotors. J. Crawford and H. W. Johnson. 2,274,668; Mar. 3.
Lubricant containing a lithium compound. C. E. Earle. 2,274,674; Mar. 3.
Lubricant containing lithium salts. C. E. Earle. 2,274,675–6; Mar. 3.
Lubricants, Production of. J. M. Musselman and H. P. Lankelma. 2,275,264; Mar. 3.
Lubricating composition. C. E. Earle. 2,274,673; Mar. 3.
Lubricating device and spray gun. C. P. Shinn, Jr. 2,275,185; Mar. 3.
Luminous sign. D. O. Ford. 2,274,682; Mar. 3.
Machine drive and control therefor. H. Hautsch. 2,274,958; Mar. 3.
Machine for cleaning small machine parts. M. G. Dysthe. 2,274,891; Mar. 3.
Machine for forming continuous tobacco rods or fillers. D. W. Molins. 2,274,991; Mar. 3.
Machine for making concrete casings. W. Kelly. 2,275,080; Mar. 3.
Machine for making separable fastener elements. E. J. Conlin. 2,275,131; Mar. 3.
Magnesium carbonate and heat insulation material comprising same, Manufacture of basic. H. W. Greider and R. A. MacArthur. 2,275,032; Mar. 3.
Magneto. W. Ochsenbein. 2,275,052; Mar. 3.
Manifold sets, Making. G. L. Newton. 2,274,910; Mar. 3.
Material and producing same, Coated. E. Czapek. 2,275,289; Mar. 3.
Material handling apparatus. H. P. McCann. 2,274,842; Mar. 3.
Material, Means for handling. J. E. Kennedy. 2,274,708; Mar. 3.
Material, Method and apparatus for feeding, registering, and cutting. G. A. Moore. 2,275,064; Mar. 3.
Materials, Polymeric. D. D. Coffman. 2,275,008; Mar. 3.
Mattress spring binding machine. E. Turgeon. 2,275,209; Mar. 3.
Measuring and control instrument. R. R. Ullman. 2,275,238; Mar. 3.
Measuring and controlling apparatus. J. D. Ryder. 2,275,317; Mar. 3.
Measuring and dispensing machine, Material. R. L. Goodin. 2,275,140; Mar. 3.
Measuring instrument. J. A. Caldwell. 2,275,246; Mar. 3.
Measuring instrument, particularly an exposure meter. A. Bernhard, G. Beyrich, and H. Habermann. 2,275,344; Mar. 3.
Metal handled tool. M. J. Zimmer. 2,274,817; Mar. 3.
Metals, Leveling and hardening thin gauge. H. V. Thaden. 2,275,095; Mar. 3.
Metals, Treating. M. Vogen-Jorgensen. 2,274,946; Mar. 3.
Metallic filamentous material. F. C. Jacobs. 2,274,699; Mar. 3.
Meter: *See*—
Watt-hour meter.
Meter structure incorporating pressure relieving devices. W. P. Hutchinson and A. S. McIntire. 2,274,697; Mar. 3.
Mine car bumper and draft gear. V. Willoughby. 2,274,879; Mar. 3.
Mirror and the like, Hand. A. F. Reilly. 2,275,201; Mar. 3.
Mirror, Hand. O. Maurud. 2,275,304; Mar. 3.
Modulation system. A. L. Nelson. 2,275,065; Mar. 3.
Modulation system. E. S. Purington. 2,275,020; Mar. 3.
Mold for shaping glass bulbs. M. Heim. 2,274,691; Mar. 3.
Mop, Wringer. G. E. Bodimer. 2,274,880; Mar. 3.
Mosaic, Making. J. A. Madala. 2,274,907; Mar. 3.
Motor: *See*—
Electromagnetic motor. Synchronous motor.
Motor control system. B. O. Austin. 2,274,645–6; Mar. 3.
Mounting: *See*—
Roller mounting.
Moving iron, Lifting and portable. J. C. Chenette. 2,274,918; Mar. 3.
Mower. E. T. Johnson, N. D. Colvin, and C. J. Frederiksen. 2,275,259; Mar. 3.
Mower attachment, Lawn. S. Gargiule and F. Taranta. 2,275,359; Mar. 3.
Musical instrument. H. Horne. 2,274,897; Mar. 3.
Musical instrument for producing bell tones, Electrical. G. W. Demuth. 2,275,252; Mar. 3.
N-cyclohexyl sulphamic acid and salts. L. F. Audrieth and M. Sveda. 2,275,125; Mar. 3.
Nail-transferring mechanism. W. S. Dallas. 2,274,777; Mar. 3.
Nose plug. G. C. Thurman. 2,274,997; Mar. 3.
Nozzle, Internal tempering. C. E. Mongan, Jr. 2,275,155; Mar. 3.
Nozzle shut-off, Pressure casting machine. N. Lester. 2,274,800; Mar. 3.
Nozzle, Vacuum cleaner. W. S. Gaines. 2,275,357; Mar. 3.
Nuclear alkylation in the presence of hydrofluoric acid. J. M. Tinker and V. Weinmayr. 2,275,312; Mar. 3.
Nuclear alkylation of amino phenols and product, Process for. C. J. Pedersen and V. Weinmayr. 2,275,311; Mar. 3.

Nut. J. P. Burke. 2,274,975–6; Mar. 3.
Oil burner. S. B. Barr. 2,275,002; Mar. 3.
Oil burner. D. J. Howard. 2,275,149; Mar. 3.
Oil, Refining and obtaining valuable products from tall. F. H. Gayer and C. E. Fawkes. 2,275,075; Mar. 3.
Oil with synthetic compositions, Cracking. G. C. Connolly. 2,275,176; Mar. 3.
Oleaginous material, Expressing of. R. T. Anderson. 2,275,337; Mar. 3.
Opacifier for enamels. W. Kerstan. 2,275,261; Mar. 3.
Opener, Carton. J. E. Kroemer. 2,274,799; Mar. 3.
Opener for staybolts, Telltale hole. E. S. Fitz Simmons. 2,275,102; Mar. 3.
Operating mechanism for amusement devices. L. U. Eyerly. 2,274,956; Mar. 3.
Ores, Flotation for sylvinite. F. E. Fuchs. 2,275,138; Mar. 3.
Ornamentation, Method of and means for applying. G. A. Lyon. 2,274,719; Mar. 3.
Oxygen-containing organic compounds from crude oils obtained by the catalytic hydrogenation of carbon oxides, Recovery of higher. H. Soenksen and H. Grasshof. 2,274,750; Mar. 3.
Package opening device. C. A. Reynolds. 2,275,091; Mar. 3.
Paint can protector. E. B. Morgan. 2,275,305; Mar. 3.
Paint pot holder. J. W. Austin. 2,275,071; Mar. 3.
Panel manufacture. C. J. Davies. 2,274,951; Mar. 3.
Panel section. M. Watter. 2,275,037; Mar. 3.
Panel securing means. L. W. Benz. 2,274,653; Mar. 3.
Panel, Weatherproofed glazed. W. Owen. 2,274,730; Mar. 3.
Paper feeding means for accounting machines and the like. C. J. Ira. 2,274,834; Mar. 3.
Paper making apparatus. J. A. Spencer. 2,274,852; Mar. 3.
Paper fastening and crimping press. N. S. Noll. 2,275,111; Mar. 3.
Paper stock for application of a moisture-resistant material, Preparing. R. E. Hornbeck. 2,275,148; Mar. 3.
Parachute apparatus. F. Smith. 2,275,114; Mar. 3.
Peeler, Vegetable. J. P. Whann. 2,274,815; Mar. 3.
Pencil, Magazine. E. Watzlawik. 2,275,055; Mar. 3.
Pencil, Mechanical. H. R. Jochim. 2,274,702; Mar. 3.
Perforating machine, Record controlled. R. B. Johnson. 2,275,396; Mar. 3.
Perforator. W. Faas. 2,275,012; Mar. 3.
Phasing arrangement for tele-facsimile machines. A. G. Cooley. 2,275,249; Mar. 3.
Phenol for the removal of phenol from gas and weak ammonia liquors. H. Koppers. 2,275,399; Mar. 3.
Phenols from aqueous solutions of their salts, Recovery of. J. J. Grebe. 2,275,045; Mar. 3.
Phenols, Preparation of. J. J. Grebe. 2,275,044; Mar. 3.
Phonograph, Automatic. W. M. Filben. 2,274,921; Mar. 3.
Phonograph, Automatic selective. J. R. Mitchell. 2,275,033; Mar. 3.
Phosphates and preparing the same, Mixed aromatic. E. C. Britton and C. L. Moyle. 2,275,041; Mar. 3.
Photographic material, Light-sensitive. B. Gáspár. 2,274,782; Mar. 3.
Photo radio system. R. E. Mathes and W. H. Bliss. 2,274,841; Mar. 3.
Phthalic acid-mono-phenyl-amides, Manufacture of. J. Bindler. 2,275,006; Mar. 3.
Picture contrast regulation, Motion. G. F. Rackett. 2,275,270; Mar. 3.
Piezometer. J. A. Fried. 2,275,256; Mar. 3.
Piezoelectric crystal apparatus. A. W. Ziegler. 2,275,122; Mar. 3.
Pigment paste. W. A. Waldie. 2,275,239; Mar. 3.
Pipe: *See*—
Smoker's pipe.
Pipe bit. C. C. Doty. 2,275,351; Mar. 3.
Pipe joint. K. Neve. 2,275,018; Mar. 3.
Piston expander. H. P. Phillips. 2,274,806; Mar. 3.
Piston ring assembly. H. P. Phillips. 2,274,805; Mar. 3.
Piston rod, Sleeve type. F. M. Lankford. 2,274,927; Mar. 3.
Plant, Artificial. H. E. Thoms. 2,275,096; Mar. 3.
Plate forming machine. G. W. Chambers. 2,275,218; Mar. 3.
Plate printing. M. A. Lathey. 2,275,062; Mar. 3.
Pliers. H. F. Van Keuren. 2,274,945; Mar. 3.
Plug: *See*—
Nose plug.
Pocket, Folding. K. J. Guhne. 2,275,363; Mar. 3.
Pocketbook. H. J. Lyndes and M. R. Kies. 2,274,718; Mar. 3.
Polish. E. W. Keller. 2,275,049; Mar. 3.
Polyamides and their preparation. J. W. Hill. 2,274,831; Mar. 3.
Polymerization product and preparing and using same. E. Lieber and M. E. Thorner. 2,274,864; Mar. 3.
Post for jogging machines. W. H. Kushera. 2,274,713; Mar. 3.
Potato sacking machine. J. Achatz. 2,275,335; Mar. 3.
Poultry rack. H. M. Danker. 2,275,009; Mar. 3.
Powder distributing apparatus. C. J. Davies. 2,274,952; Mar. 3.
Power take-off. R. F. Smith. 2,274,994; Mar. 3.
Power take-off for air circulating means. A. G. Bancroft. 2,275,166; Mar. 3.
Power take-off unit. F. H. Behl. 2,275,003; Mar. 3.
Power transmission mechanism. P. C. Day. 2,275,250; Mar. 3.
Press: *See*—
Shell forming press.
Propeller, Adjustable pitch. E. H. Godfrey. 2,275,361; Mar. 3.
Propeller for aircraft, Variable pitch. H. Reissner and M. Christian. 2,275,053; Mar. 3.
Protector: *See*—
Stocking protector.
Protein composition of improved water resistance. A. J. Heberer and C. H. Phillips. 2,274,695; Mar. 3.
Protein, Treating. R. H. Hieronymus. 2,274,983; Mar. 3.
Pump: *See*—
Centrifugal pump. Self-injector rotary pump.
Pump. A. H. Orcutt. 2,275,230; Mar. 3.
Pump. R. Wiken. 2,275,240; Mar. 3.
Pump and air separator. W. S. Finken. 2,275,355; Mar. 3.
Pump controller, Automatic. M. A. Otterbourg. 2,275,066; Mar. 3.
Pump for molten metal. W. P. V. Ross. 2,275,202; Mar. 3.
Pump for transmissions, Oil. W. A. Koster. 2,274,836; Mar. 3.
Pumping plant, Deep well and cistern automatic. T. S. Harris. 2,275,364; Mar. 3.
Quick-opening valve. E. L. Cull. 2,274,776; Mar. 3.
Rack: *See*—
Clothes rack. Poultry rack.
Rack for refrigerator cars, Floor. D. C. Webster. 2,274,998; Mar. 3.
Radial brake. C. L. Eksergian. 2,274,859; Mar. 3.
Radio antennas, Operating. L. S. Brach. 2,274,883; Mar. 3.
Radio course indicator. E. H. Hugenholtz. 2,275,298; Mar. 3.
Radio direction finder. G. B. Hagen. 2,275,296; Mar. 3.
Radio receiver. C. B. H. Feldman. 2,275,389; Mar. 3.
Radio signals, Elimination of spurious additions to. De W. R. Goddard. 2,274,829; Mar. 3.
Radio transmitting and receiving system, Directional. S. W. H. W. Falloon. 2,275,254; Mar. 3.
Rail fastening. M. L. Cantrell, W. S. Boyce, and O. A. Hed. 2,275,129; Mar. 3.
Rake attachment, Rotary. S. Gargiule and F. Taranta. 2,275,360; Mar. 3.
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Hair receptacle.
Receptacle. E. B. Frenette. 2,274,979; Mar. 3.
Receptacle. J. Hollis. 2,275,078; Mar. 3.
Receptacle bottom. E. M. Hammond. 2,274,982; Mar. 3.
Rectification system. J. V. Sharp. 2,274,746; Mar. 3.
Reel: *See*—
Antennae operating reel. Tape reel.
Refining tall oil. E. Segessemann. 2,275,186; Mar. 3.
Reflector assembly, Safety. A. E. Brickman and G. A. Gleason. 2,274,661; Mar. 3.
Refrigerant compressor, Lubricated. J. Touborg. 2,274,942; Mar. 3.
Refrigerating apparatus. J. C. Chambers. 2,274,774; Mar. 3.
Refrigerating apparatus. S. M. Schweller, H. J. Dick, and J. L. Gibson. 2,275,323; Mar. 3.
Refrigerating apparatus, Absorption. N. Erland af Kleen. 2,275,031; Mar. 3.
Refrigerating apparatus, Absorption and adsorption. N. Erland af Kleen. 2,274,680; Mar. 3.
Refrigeration. G. A. Brace. 2,274,659–60; Mar. 3.
Refrigeration. G. A. Brace. 2,274,972; Mar. 3.
Refrigeration. W. H. Kitto. 2,274,965; Mar. 3.
Refrigeration. C. H. MacFarland. 2,274,966; Mar. 3.
Refrigeration. J. G. Scott. 2,275,324; Mar. 3.
Refrigeration compressor. J. Touborg. 2,274,943; Mar. 3.
Refrigerator. R. Hintze. 2,275,365; Mar. 3.
Refrigerator car. W. R. Elsey. 2,274,679; Mar. 3.
Refrigerator construction. J. S. Lundvall. 2,274,906; Mar. 3.
Regulator: *See*—
Draft regulator. Size regulator.
Relay, Polarized. H. C. Harrison. 2,275,145; Mar. 3.
Relief valve. E. C. Brisbane. 2,274,663; Mar. 3.
Reproducer for electric phonographs. L. D. Norton. 2,275,309; Mar. 3.
Resetting means for safety shutoff devices. P. L. Betz. 2,275,340; Mar. 3.
Resistance device. R. A. Ogg. 2,274,845; Mar. 3.
Resistor and manufacturing the same. H. L. B. Gould, B. A. Kingsbury, and V. E. Legg. 2,274,830; Mar. 3.
Respirator, Nasal. H. D. Carroll. 2,274,886; Mar. 3.
Retaining and binding apparatus. H. B. Pearl. 2,274,993; Mar. 3.
Rifle, Electric. M. W. Kenney and H. G. Jensen. 2,275,150; Mar. 3.
Rifle magazine. C. R. Wise. 2,275,213; Mar. 3.
Rod: *See*—
Piston rod.
Rock drill. C. F. Osgood. 2,274,728; Mar. 3.
Roll paper cutter. N. B. Currier. 2,274,977–8; Mar. 3.
Roll, Suction. E. J. Abbott and J. D. Kraus. 2,274,641; Mar. 3.
Roller mounting. E. Kluge. 2,274,796; Mar. 3.
Roof flashing. R. T. Avard and F. W. Herring. 2,274,647; Mar. 3.

Roof scaffolding support, Adjustable. F. Hahler. 2,275,014; Mar. 3.
Roof, Trussless. J. F. Blaski. 2,274,949; Mar. 3.
Rope coupling, reversing and re-forming. J. R. Sutthoff. 2,275,182; Mar. 3.
Rotary engine. E. L. Straub. 2,275,205; Mar. 3.
Rotary power tool. J. A. Dantine. 2,274,778; Mar. 3.
Rule, Circular slide. W. Daemen. 2,275,219; Mar. 3.
Rustproof material and process. R. H. Hardoen. 2,275,223; Mar. 3.
Safety can. H. Rasmussen. 2,275,318; Mar. 3.
Sails, awnings, or tents, Making. H. G. Nye, Jr. 2,275,159; Mar. 3.
Salts, Manufacture of styphnic acid. W. Brün. 2,275,169–73; Mar. 3.
Sampling device for tanks. W. Pfeiffer. 2,274,869; Mar. 3.
Saw, Band. T. L. Hedgpeth. 2,274,923; Mar. 3.
Screen: *See*—
Fireplace screen.
Screen for automobiles, Detachable. G. Roedel. 2,275,092; Mar. 3.
Screening apparatus. C. E. Jenks. 2,274,700–1; Mar. 3.
Scribing and cutting device. H. V. Neiss and W. E. Etter. 2,274,727; Mar. 3.
Seal, Bearing. W. T. Murden. 2,275,307; Mar. 3.
Seal, Bearing. R. R. Searles. 2,275,325; Mar. 3.
Seal for containers. D. L. Shanklin and W. C. Ross. 2,275,235; Mar. 3.
Seal, Glass-to-metal. V. O. Allen. 2,274,999; Mar. 3.
Sealing means for conveying apparatus. R. W. Elchenberger. 2,274,825; Mar. 3.
Sealing tag for bunghole closures. R. S. Rheem, H. C. Brown, and A. J. Allen. 2,275,067: Mar. 3.
Seat base with forward shift, Reversing. O. E. Hill. 2,274,896; Mar. 3.
Selector valve. B. G. Carlson and C. H. Crawley. 2,274,917; Mar. 3.
Self-injector rotary pump. K. R. Lung. 2,274,987; Mar. 3.
Separator: *See*—
Pump and air separator.
Sewing machine attachment. D. Marinsky and L. H. Morin. 2,274,721; Mar. 3.
Shaft coupling. F. H. Behl. 2,275,004; Mar. 3.
Shafts, Flame hardening. J. J. Crowe. 2,275,402; Mar. 3.
Sheet handling mechanism. L. M. Potts. 2,274,738; Mar. 3.
Sheet material, Manufacture of dry-gummed flexible. T. R. Gautier. 2,275,059; Mar. 3.
Sheets and breaking along scored lines, Joining scored. C. E. Attwood. 2,275,336; Mar. 3.
Shell forming press. A. Clements. 2,275,174; Mar. 3.
Shock absorber. A. W. Griepenstroh. 2,274,688; Mar. 3.
Shock absorbing structure for airplane landing gears. G. M. Magrum. 2,275,371–2; Mar. 3.
Shoe cleaning. P. Wright. 2,274,762; Mar. 3.
Shoe heel. C. A. Cunningham. 2,274,890; Mar. 3.
Shoe heel, Replaceable. O. Alvistur. 2,275,214; Mar. 3.
Shoe softener or conditioner. A. Young. 2,275,334; Mar. 3.
Sifter, Electric flour. A. C. Wilcox. 2,274,914; Mar. 3.
Sign: *See*—
Luminous sign.
Sign and exhibition device, Dual use. C. R. Ruse. 2,275,319; Mar. 3.
Signal: *See*—
Hand brake signal.
Signal device. I. W. Cox. 2,274,775; Mar. 3.
Signal or indicating device. R. Ladue. 2,275,300; Mar. 3.
Signaling device. W. P. Albert. 2,275,039; Mar. 3.
Signaling device, Electroacoustic. O. Schmidt. 2,275,161; Mar. 3.
Signaling device for engaged telephones, Call notifying. A. E. Durante. 2,275,352; Mar. 3.
Signaling system. J. T. McNaney. 2,275,017; Mar. 3.
Size regulator. D. Gurney and M. A. Hollengreen. 2,275,141; Mar. 3.
Sizing apparatus, Automatic. C. W. Herrin. 2,274,960; Mar. 3.
Skate construction, Roller. E. J. Pardon. 2,275,035; Mar. 3.
Ski stick. F. Tveten. 2,275,330; Mar. 3.
Sliding door lock. C. Pirtz. 2,275,089; Mar. 3.
Sludge digester. F. A. Downes. 2,274,953; Mar. 3.
Slurry, Process and apparatus for preheating or drying. M. Vogel-Jorgensen. 2,275,117; Mar. 3.
Smoke purifier. F. H. Cullen. 2,274,889; Mar. 3.
Smoker's pipe. G. McCullough. 2,275,082; Mar. 3.
Soaps, Purifying synthetic. J. J. Owen. 2,274,632; Mar. 3.
Soldering alloy. J. Leuser. 2,274,863; Mar. 3.
Speed, Method and apparatus for use in measuring. A. Maxton. 2,275,381; Mar. 3.
Speed regulator for electric motors. W. Kimmich. 2,274,926; Mar. 3.
Speed transmission, Variable. A. G. Bade. 2,275,243; Mar. 3.
Spindle, Work supporting. W. A. Smith. 2,275,382; Mar. 3.
Spool for adhesive tape. O. Le C. Valentine. 2,275,212; Mar. 3.
Spring suspension system. J. Ledwinka. 2,275,153; Mar. 3.
Stamping equipment for molding coal. H. Koppers. 2,275,398; Mar. 3.
Standard for trucks. T. A. Younce, Sr. 2,275,333; Mar. 3.
Static frequency changer. H. M. Huge. 2,274,925; Mar. 3.
Steel, Manufacture of Bessemer. P. D. Nielsen. 2,275,088; Mar. 3.
Steering mechanism. A. P. Bioxsom. 2,274,821; Mar. 3.
Stocking. O. F. Smetana. 2,274,812; Mar. 3.
Stocking protector. S. E. Schwartz and S. E. Schwartz. 2,275,191; Mar. 3.
Stoneworking machine. G. A. Swenson. 2,275,329; Mar. 3.
Straightedge device, Parallel. H. L. De Lisle. 2,275,251; Mar. 3.
Strainer, Gravy. A. B. Prinzler. 2,275,268; Mar. 3.
Strip, Method and apparatus for manufacturing. E. D. Spangler. 2,275,093; Mar. 3.
Subframe for motor vehicles. H. B. Lewis. 2,275,050; Mar. 3.
Suction cleaner. H. B. White. 2,274,971; Mar. 3.
Sulphochromates, Electrolytic production of lead. S. W. Stockdale and E. F. Weaver. 2,275,054; Mar. 3.
Support: *See*—
Golf bag support. Working barrel support.
Roof scaffolding support.
Support for matter to be copied. T. L. Coppock. 2,274,888; Mar. 3.
Supporting hook. C. E. Caestecker. 2,275,007; Mar. 3.
Surface covering, Hard. B. F. Adams and H. A. Johnson. 2,274,642; Mar. 3.
Surgical operating table. J. P. Sorondo. 2,275,328; Mar. 3.
Sweeper, Floor. T. B. Funk. 2,275,356; Mar. 3.
Switch: *See*—
Fuse switch. Time switch.
Inertia switch.
Switch control means for seamless hosiery knitting machines. R. C. Williams. 2,275,276; Mar. 3.
Synchronous motor. W. L. Hansen and I. N. Hurst. 2,274,957; Mar. 3.
Table. R. W. Griffin. 2,275,060; Mar. 3.
Table top, Ironing. E. T. John. 2,274,703; Mar. 3.
Tank: *See*—
Glass tank.
Tank fitting, Radiator. J. R. Holmes. 2,275,107; Mar. 3.
Tank refill and air gap. W. C. Groeniger. 2,274,862; Mar. 3.
Tape reel. J. E. Hastings. 2,275,258; Mar. 3.
Telautograph system. V. E. Rosene. 2,274,638; Mar. 3.
Telegraph alarm circuit. A. R. Bonorden. 2,275,126; Mar. 3.
Telephone system. J. Wicks. 2,274,759–60; Mar. 3.
Television apparatus. A. and J. Morch. 2,275,229; Mar. 3.
Television receiver. K. A. Chittick and R. C. Ballard. 2,275,028; Mar. 3.
Television system. A. V. Bedford. 2,275,026; Mar. 3.
Temperature control device. W. J. Ettinger. 2,275,193; Mar. 3.
Temperature control system. A. W. Krause. 2,275,368; Mar. 3.
Tender, Locomotive. J. C. Travilla, Jr., and E. C. Jackson. 2,274,757; Mar. 3.
Tennis racket and the like. J. Hatton. 2,274,788; Mar. 3.
Textile and other materials, Coloration of. P. F. C. Sowter and W. S. Meals. 2,274,751; Mar. 3.
Textile apparatus. W. J. Elvin and F. W. Schulte. 2,274,826; Mar. 3.
Thermoplastic mass, Cellular. R. M. Thomas and W. J. Sparks. 2,275,164; Mar. 3.
Threading tool. S. Webb. 2,275,097; Mar. 3.
Thrust bearing. L. I. Yeomans. 2,274,764; Mar. 3.
Tile and making same, Floor. C. Ellis 2,275,376; Mar. 3.
Timber cutting apparatus, Portable. M. A. Knight. 2,274,902; Mar. 3.
Time switch. M. W. Hanks. 2,275,143; Mar. 3.
Timer. M. H. Rhodes. 2,274,635; Mar. 3.
Tin and tin alloys, Plating. E. W. Hopper. 2,274,963; Mar. 3.
Tire, Pneumatic. E. H. Wallace. 2,274,855; Mar. 3.
Tobacco, Bleaching. H. Baier. 2,274,649; Mar. 3.
Tobacco leaf-cutting machine. C. W. Gooch, Jr., and C. B. Rockhill. 2,275,103; Mar. 3.
Toilet accessory. H. Josephs. 2,275,183; Mar. 3.
Tool: *See*—
Metal handled tool. Threading tool.
Rotary power tool.
Tool. R. C. Grubb. 2,274,981; Mar. 3.
Tool. H. B. Myers and A. Davis. 2,275,393; Mar. 3.
Tool bit and tool holder therefor. O. Severson. 2,275,326; Mar. 3.
Tool for watchmakers, Poising. J. I. Hansen. 2,275,144; Mar. 3.
Tool holder. H. M. Sheridan and O. Severson. 2,275,327; Mar. 3.
Tool operating at universal angles in overall locations, Machine. R. F. Bannow. 2,275,291; Mar. 3.

Tool transmission and control mechanism, Machine. J. B. Armitage and O. W. Barker. 2,275,241; Mar. 3.
Tools, Making. H. E. Somes. 2,275,021; Mar. 3.
Toothbrush, Power driven. J. F. Cavanagh. 2,275,247; Mar. 3.
Toy biplane. G. M. Taylor. 2,275,094; Mar. 3.
Traction device. W. L. Wettlaufer. 2,274,947; Mar. 3.
Trailbuilder. F. P. Lawler. 2,275,391; Mar. 3.
Trail builder attachment for tractors. F. P. Lawler. 2,274,904; Mar. 3.
Trailer. J. W. Theisen. 2,274,754; Mar. 3.
Transmission device, Hydraulic. C. E. Scates. 2,275,321; Mar. 3.
Transmission, Variable speed. A. Moorhouse. 2,275,156; Mar. 3.
Transmitter, Direct keyboard. J. A. Spencer. 2,274,911; Mar. 3.
Transmitter, Photoelectric. L. M. Potts. 2,274,737; Mar. 3.
Trap: *See*—
Universal animal trap.
Trees from cuttings, Propagation of. R. H. McKee. 2,274,989; Mar. 3.
Trough, Drinking. E. Eliason. 2,274,678; Mar. 3.
Tube: *See*—
Cathode ray tube. X-Ray tube.
Glow-discharge tube.
Universal animal trap. W. Colwell and C. Allen. 2,275,043; Mar. 3.
Unloader for compressors, Automatic. B. W. Mantle. 2,275,303; Mar. 3.
Upholstery. J. R. Millar. 2,274,929; Mar. 3.
V-belts, Making. N. J. Ritzert. 2,275,233; Mar. 3.
Valve: *See*—
Blind cage valve. Quick-opening valve.
Discharge valve. Relief valve.
Diverter valve. Selector valve.
Valve. W. L. Ostendorf. 2,274,969; Mar. 3.
Valve. F. R. Spinney. 2,274,996; Mar. 3.
Valve. A. J. Trott. 2,274,876; Mar. 3.
Valve actuating mechanism. O. H. Banker. 2,274,650; Mar. 3.
Valve and surface operating mechanism, Gas lift. T. E. Bryan. 2,275,346; Mar. 3.
Valve assembly for fuel systems. A. L. Parker. 2,274,731; Mar. 3.
Valve circuit arrangement, Thermionic. E. L. C. White. 2,275,023; Mar. 3.
Valve mechanism for pneumatic sheet feeding devices. E. Kluge. 2,274,797; Mar. 3.
Valve mechanism, Thermostatic pilot. N. B. Green. 2,274,786; Mar. 3.
Valve seat ports, Repairing. G. L. Nuttall. 2,275,310; Mar. 3.
Valve stem. J. C. Crowley. 2,275,288; Mar. 3.
Valve stem. C. E. Maynard. 2,275,081; Mar. 3.
Vapor heating system, Pressure-starting. P. B. Parks. 2,274,736; Mar. 3.
Vegetable materials, Dehydration and curing of. L. W. Lewis. 2,274,905; Mar. 3.
Vegetable washing and/or decorticating machine. H. Robinson. 2,274,809; Mar. 3.
Ventilating system, Crankcase. R. J. Gray. 2,274,894; Mar. 3.
Ventilator wing, Window. N. C. Clark and J. B. Menton. 2,274,824; Mar. 3.
Vessel, Reaction. E. Fischer. 2,274,922; Mar. 3.
Voltage regulation, System tor. C. Wasserman. 2,275,165; Mar. 3.
Volatile substances from solutions, Obtaining dissolved. M. Seidel. 2,274,748; Mar. 3.
Wall covering. G. Schneider. 2,274,851; Mar. 3.
Washing apparatus. W. T. Hunter. 2,275,366; Mar. 3.
Water heating system. C. M. Rees. 2,275,160; Mar. 3.
Watt-hour meter. A. Hungerbühler. 2,275,015; Mar. 3.
Web feeding mechanism. C. J. Malhiot. 2,275,262; Mar. 3.
Webs, Impregnating. A. L. Jennings, W. F. Mitchell, and E. A. Worm, Jr. 2,274,792; Mar. 3.
Webs, Manufacture of abrasive coated. R. L. Melton. 2,274,726; Mar. 3.
Weeder for single row cultivators, Rotary. B. Kidman and W. J. Davis. 2,275,380; Mar. 3.
Welding apparatus. B. Ronay. 2,274,742; Mar. 3.
Wells, Squeeze cementing of. A. D. Stoddard. 2,274,940; Mar. 3.
Wheel: *See*—
Abrasive cutting wheel.
Wheel and axle assemblies, Producing. O. J. Horger. 2,274,961; Mar. 3.
Wheel and axle assembly. O. J. Horger. 2,274,962; Mar. 3.
Wheel assembly, Dual. C. S. Ash. 2,275,025; Mar. 3.
Wheel axes, Determining the angular relation between. A. A. Friestedt. 2,275,137; Mar. 3.
Wheel dressing fixture. G. E. Headbloom and P. T. Peterson. 2,274,959; Mar. 3.
Wheels, Modernizing wood wagon. S. A. Huebner. 2,274,984; Mar. 3.
Winding mechanism and method. Ed Fletcher. 2,274,681; Mar. 3.
Window bracket. P. C. McDowell. 2,274,867; Mar. 3.
Wiper for rolling mills. E. J. Simborg. 2,275,113; Mar. 3.
Wire, Coated metal. W. I. Patnode and W. J. Scheiber 2,275,198; Mar. 3.
Wire-feeding device for heading machines. G. M. O'Loughlin. 2,275,269; Mar. 3.
Working barrel support. J. H. Reynolds. 2,274,740; Workpieces, Method and apparatus for sustaining heated. A. M. Wallace. 2,275,274; Mar. 3.
X-ray tube. R. R. Machlett. 2,274,865; Mar. 3.

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CLASSIFICATION OF PATENTS

ISSUED MARCH 3, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 32: 2,274,777
2— 14: 2,274,791
18: 2,275,206
43: 2,274,770
97: 2,275,060
139: 2,274,732
225: 2,274,656
270: 2,274,980
330: 2,274,852
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7— 5.6: 2,274,945
8— 59: 2,274,751
10— 120: 2,275,097
12— 1: 2,275,334
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13— 6: 2,274,986
15— 23: 2,275,247
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116: 2,275,280
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

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Abbott Laboratories, North Chicago, Ill. Anti-mycotic powder. Serial No. 450,466; Mar. 10. Class 6.

Acampo Winery and Distilleries, Incorporated, Acampo, Calif. Wines. Serial No. 446,983; Mar. 10. Class 47.

Acoustic Consultants, Inc., New York, N. Y. Apparatus functioning to record and reproduce sound electrically. Serial No. 438,062; Mar. 10. Class 21.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Men's suits, top coats, etc. Serial No. 446,683; Mar. 10. Class 39.

American Education Press, Inc., Columbus, Ohio. Series of text books. Serial No. 448,843; Mar. 10. Class 38.

Andrews & Knowles Produce Company, Inc., Mount Olive, N. C. Raw potatoes. Serial No. 445,788; Mar. 10. Class 46.

Apex Dress Co., Inc., New York, N. Y. Ladies', misses', and junior dresses and suits. Serial No. 449,198; Mar. 10. Class 39.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, foundation cream, etc. Serial No. 450,298; Mar. 10. Class 6.

Atkins Manufacturing Company, Chicago, Ill. Horsehide jackets, goatskin jackets, etc. Serial No. 439,034; Mar. 10. Class 39.

Atlas Distributing Corporation, Worcester, Mass. Wines. Serial No. 449,750; Mar. 10. Class 47.

Auto-Ordnance Corporation, New York, N. Y., and Bridgeport, Conn. Machine guns and submachine guns. Serial No. 447,533; Mar. 10. Class 9.

Ayr Scotch Wools, Incorporated, Green's Farms, Conn. Yarn. Serial No. 448,931; Mar. 10. Class 43.

Ballack, Helen A., Inc., Detroit, Mich. Laxative compounds. Serial No. 450,673; Mar. 10. Class 6.

Bamberger, L., & Co., Newark, N. J. Women's coats, suits, blouses, and skirts. Serial No. 450,155; Mar. 10. Class 39.

Bemis, Kenneth E., Oakland, Calif. Sandwiches. Serial No. 447,930; Mar. 10. Class 46.

Berman, Helen, doing business as Character Products, New York, N. Y. Preparation for asthma and bronchitis. Serial No. 450,044; Mar. 10. Class 6.

Bird-Archer Co., The, New York, N. Y. Preparation used to condition water used in boilers. Serial No. 450,046; Mar. 10. Class 6.

Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Railway car castings, etc. Serial No. 449,034; Mar. 10. Class 14.

Blank, Harold, Brooklyn, N. Y. Shoe cleaning preparation. Serial Nos. 448,752–3; Mar. 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. Serial No. 449,665; Mar. 10. Class 4.

Bon Marche, The. (See Allied Stores Corporation.)

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 448,959; Mar. 10. Class 46.

Brownie Food Company, Detroit, Mich. Strained foods for babies. Serial No. 427,790; Mar. 10. Class 46.

Bu-Tay Products, Inc., Huntington Park, Calif. Combination washing, bluing, and water softener. Serial No. 449,036; Mar. 10. Class 6.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. Serial No. 449,892; Mar. 10. Class 46.

Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 449,987; Mar. 10. Class 39.

Cascade Yarn Co. (See Goldstein, Larry E.)

Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. Serial No. 449,761; Mar. 10. Class 42.

Character Products. (See Berman, Helen.)

Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. Serial No. 446,863; Mar. 10. Class 39.

Chicopee Sales Corporation, New York, N. Y. Cheese cloth and utility cloths, etc. Serial No. 448,185; Mar. 10. Class 42.

Cia Licorera Julia. (See Julia, Angel P.)

Clay-Adams Co., Inc., New York, N. Y. Dental, medical, and surgical appliances, etc. Serial No. 439,330; Mar. 10. Class 44.

Cleveland Co-Operative Stove Company, The, Cleveland, Ohio. Gas fired ovens and burners, the burners comprising essentially a gas burner of metal, etc., elements. Serial No. 445,802; Mar. 10. Class 34.

Cock 'N Bull Products, Los Angeles, Calif. Ginger beer. Serial No. 449,763; Mar. 10. Class 45.

Colson Corporation, The, Elyria, Ohio. Bicycles. Serial No. 447,096; Mar. 10. Class 19.

Columbian Carbon Company, New York, N. Y. Carbon black for use as an ink pigment. Serial No. 449,893; Mar. 10. Class 11.

Columbian Carbon Company, New York, N. Y. Particulate carbon having a general use in the industrial arts. Serial No. 449,894; Mar. 10. Class 6.

Columbian Carbon Company, New York, N. Y. Particulate carbon for use as a paint pigment. Serial No. 449,895; Mar. 10. Class 16.

Comfy Manufacturing Company, The, Baltimore, Md. Furniture slip covers. Serial No. 444,633; Mar. 10. Class 32.

Coty, Inc., New York, N. Y. Face powder, dusting powder, etc. Serial Nos. 450,621–2; Mar. 10. Class 6.

Creal, Melvin N., doing business as Vitabolin Company, Dover, Ohio. Linseed oil, capsules containing vitamins A and B_1. Serial No. 450,305; Mar. 10. Class 6.

Crowe, Charles M., St. Louis, Mo. Scripts for radio broadcasts. Serial No. 443,598; Mar. 10. Class 38.

Cutter Laboratories, Berkeley, Calif. Vaccine for the prevention of cholera. Serial No. 450,472; Mar. 10. Class 6.

Cutter Laboratories, Berkeley, Calif. Mixed bacterin for the prevention and treatment of respiratory infection in cattle. Serial No. 450,473; Mar. 10. Class 6.

D'Arriago Brothers Co., San Jose, Calif. Fresh vegetables. Serial No. 447,936; Mar. 10. Class 46.

Dandro-Nox Co., The, Baltimore, Md. Face powder, skin whitening cream, eyebrow pencil, etc. Serial No. 450,642; Mar. 10. Class 6.

Daroff, H., & Sons, Inc., Philadelphia, Pa. Men's and young men's suits, topcoats and overcoats. Serial No. 449,897; Mar. 10. Class 39.

Dearborn Chemical Company, Chicago, Ill. Boiler compound for the prevention of deleterious action of water in steam boilers. Serial No. 447,012; Mar. 10. Class 6.

De Paris, Antoine, Inc., New York, N. Y. Colognes, face creams, lotions, etc. Serial No. 450,387; Mar. 10. Class 6.

Dictaphone Corporation, Bridgeport, Conn. Electrical sound recording machines and parts thereof. Serial No. 449,546; Mar. 10. Class 21.

Diehnelt, Walter, doing business as Honey Acres, Menominee Falls, Wis. Honey and candy. Serial No. 449,131; Mar. 10. Class 46.

Diosma Laboratories, Inc., Bloomfield and Newark, N. J. Medical compound for treating arthritis. Serial No. 449,605; Mar. 10. Class 6.

Embalmers' Supply Company, The, Westport, Conn. Deodorant powder. Serial No. 449,958; Mar. 10. Class 6.

Emes Kosher Products. (See Shapera, Charles M.)

Endo Products, Inc., New York, N. Y. Hemorrhagic producing drug. Serial No. 450,506; Mar. 10. Class 6.

Endo Products, Inc., New York, N. Y. Preparation consisting of a combination of vitamins. Serial No. 450,584; Mar. 10. Class 6.

Enge, Charles G., also doing business as Western Chemical Company, New York, N. Y. Insecticides. Serial No. 448,633; Mar. 10. Class 6.

Fabrics by Joyce, Inc., New York, N. Y. Fabrics. Serial No. 449,795; Mar. 10. Class 42.

Famous-Barr Company. (See May Department Stores Company, The.)

Famous Blouses, Inc., New York, N. Y. Ladies' and misses' suits, blouses and dresses. Serial No. 449,977; Mar. 10. Class 39.

Fleetwings, Incorporated, Bristol, Pa. Airplanes and structural parts of airplanes. Serial No. 449,414; Mar. 10. Class 19.

Floden Bros., Modesto, Calif. Dressed turkeys. Serial No. 448,968; Mar. 10. Class 46.

Fox, Ralph T., doing business as The Fox Company, Newfield, N. J. Poultry feed. Serial No. 450,048; Mar. 10. Class 46.

Gates Rubber Company, The, Denver, Colo. Articles formed of rubber bonded to metal. Serial No. 446,694; Mar. 10. Class 12.

Gemloid Corporation, Elmhurst, Long Island, N. Y. Signalling devices. Serial No. 439,018; Mar. 10. Class 21.

General Tire & Rubber Company, The, Akron, Ohio. Molded rubber goods. Serial No. 426,695; Mar. 10. Class 13.

Gilda Audrey Products, Inc., New York, N. Y. Hair lotions. Serial No. 450,012; Mar. 10. Class 6.

Goldstein, Larry E., doing business as Cascade Yarn Co., New York, N. Y. Wool, worsted, angora, cotton, etc., yarns. Serial No. 449,979; Mar. 10. Class 43.

Graham Co. Inc., The, New York, N. Y. Dried lentils, dried pea beans, etc. Serial No. 448,290; Mar. 10. Class 46.

Hart-Carter Co., Minneapolis, Minn. Machine for separating cereal or cereal materials. Serial No. 449,273; Mar. 10. Class 23.

Hess Goldsmith & Co. Inc., New York, N. Y. Textile fabrics. Serial No. 449,608; Mar. 10. Class 42.

Historical James River Plantations Co., Portsmouth, Va. Chests, tables, beds, chairs, etc. Serial No. 441,435; Mar. 10. Class 32.

Honey Acres. (See Kiehnelt, Walter.)
Howard Preserving Company, Inc., Miami, Fla. Fruit juice cocktails. Serial No. 449,657; Mar. 10. Class 46.
International Plastic Corporation, Chicago, Ill. Transparent pressure-sealing adhesive tape. Serial No. 448,475; Mar. 10. Class 5.
Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. Serial No. 449,724; Mar. 10. Class 46.
Jacobs, B. & J., Company, Cincinnati, Ohio. Air conditioning ducts. Serial No. 439,869; Mar. 10. Class 34.
Jacobson, F. & Sons, Inc., New York, N. Y. Men's shirts. Serial No. 445,945; Mar. 10. Class 39.
Judge & Dolph, Ltd., Chicago, Ill. Maltless bottled beverages and concentrates. Serial No. 449,531; Mar. 10. Class 45.
Julia, Angel P., doing business as Cia Licorera Julia, Barrio Obrero, Santurce, P. R. Rum. Serial No. 448,944; Mar. 10. Class 49.
Knapp-Monarch Company, doing business as Kwikway Company, St. Louis, Mo. Electric hand drills. Serial No. 443,332; Mar. 10. Class 21.
Kops Bros., Inc., New York, N. Y. Girdles, foundation garments and brassières. Serial No. 449,995; Mar. 10. Class 39.
Kresge, S. S., Company, Detroit, Mich. Shirts, shorts, underwear, etc. Serial No. 445,607; Mar. 10. Class 39.
Kroger Grocery & Baking Company, The, doing business as Wesco Foods Company, Cincinnati, Ohio. Matches. Serial No. 449,862; Mar. 10. Class 9.
Kwikway Company. (See Knapp-Monarch Company.)
Lazarus, Nathan E., Buffalo, N. Y. Fresh milk and fresh cream. Serial No. 446,138; Mar. 10. Class 46.
Lederle Laboratories, Inc., New York, N. Y. Vitamin products and specifically a pharmaceutical product containing vitamins A and D. Serial No. 448,762; Mar. 10. Class 6.
Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. Serial No. 449,942; Mar. 10. Class 33.
Linde Air Products Company, The, New York, N. Y. Oxygen. Serial Nos. 450,006–7; Mar. 10. Class 6.
Litchfield Produce Co., Litchfield, Minn. Eggs, live and dressed poultry, turkeys, ducks, etc. Serial No. 441,210; Mar. 10. Class 46.
Lucky Heart Laboratories, Inc., Memphis, Tenn. Perfume. Serial No. 449,647; Mar. 10. Class 6.
M & N Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars, cigarettes, and cheroots. Serial Nos. 449,185–6; Mar. 10. Class 17.
MacIntosh, Chas., & Company, Limited, Manchester, England. Garments and articles of dress. Serial No. 445,552; Mar. 10. Class 39.
Marine Magnesium Products Corporation, South San Francisco, Calif. Magnesium hydroxide paste. Serial No. 439,252; Mar. 10. Class 6.
Matouk, John, Inc., New York, N. Y. Cotton and rayon fabrics in the piece. Serial No. 449,801; Mar. 10. Class 42.
May Department Stores Company, The, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and also as The M. O'Neil Co., Akron, Ohio. Furniture. Serial No. 450,017; Mar. 10. Class 32.
McElroy, Robert H., Jr., Chicago, Ill. Candy. Serial No. 422,590; Mar. 10. Class 46.
Metalated Wool Company, Detroit, Mich. Thermal insulation material. Serial No. 432,828; Mar. 10. Class 12.
Metals Disintegrating Company, Inc., Union, N. J. Disintegrated metals. Serial No. 441,619; Mar. 10. Class 14.
Meusel, Jerome A., Baltimore, Md. Sun tan and sunburn lotion. Serial No. 450,654; Mar. 10. Class 6.
Midvale Company, The, Philadelphia, Pa. Alloy steel. Serial No. 449,235; Mar. 10. Class 14.
Midvale Company, The, Philadelphia, Pa. Alloy steel. Serial No. 449,237; Mar. 10. Class 14.
Milton Bradley Company, Springfield, Mass. Modeling clay and modeling materials, etc. Serial No. 449,884; Mar. 10. Class 1.
Milton Bradley Company, Springfield, Mass. Drawing paper, tracing paper, etc. Serial No. 449,890; Mar. 10. Class 37.
Monsanto Chemical Company, St. Louis, Mo. Monocalcium phosphate and other chemicals. Serial No. 450,401; Mar. 10. Class 6.
Moore, Lucas E., Stave Co., of Ga., Mobile, Ala. Wooden barrels, and staves, etc. Serial No. 448,296; Mar. 10. Class 2.
Mother Hubbard Distributors Inc., New York, N. Y. Wheat germ. Serial No. 449,081; Mar. 10. Class 46.
Moulton, Bartley, Inc., St. Louis, Mo. Shoes. Serial No. 414,462; Mar. 10. Class 39.
Neuberg Chemical Corporation, New York, N. Y. Lecithin and lecithin containing compounds. Serial No. 449,498; Mar. 10. Class 6.
Nickelberry, N. O., Mineral Wells, Tex. Nose drops. Serial No. 450,571; Mar. 10. Class 6.
Norwich Knitting Company, Norwich, N. Y. Men's and children's sweat shirts and polo shirts. Serial No. 445,666; Mar. 10. Class 39.
Old Monk Olive Oil Co., Chicago, Ill. Salad oil and sandwich spread. Serial No. 448,679; Mar. 10. Class 46.
Old Ranchers Company, Ontario, Calif. Canned olives. Serial No. 449,804; Mar. 10. Class 46.
O'Neil, M., Co., The. (See May Department Stores Company.)
Pan American Band Instrument and Case Company, Elkhart, Ind. Mouthpieces for musical instruments. Serial No. 448,370; Mar. 10. Class 36.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of syphilitic and related types of infections. Serial No. 450,489; Mar. 10. Class 6.
Peoples Distributing Company, Inc., Covington, Ky., and Cincinnati, Ohio. Wines. Serial No. 448,681; Mar. 10. Class 47.
Physicians Pharmacal Company, Oklahoma City, Okla. Tonic capsule. Serial No. 448,419; Mar. 10. Class 6.
Physicians Supply Company. (See Stotlar, L. E.)
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 449,698; Mar. 10. Class 46.
Plough, Inc., Memphis, Tenn. Soothing, cooling, and astringent powder. Serial No. 450,456; Mar. 10. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. Serial No. 449,294; Mar. 10. Class 4.
Procter & Gamble Company, The, Cincinnati, Ohio. Salad and cooking oils. Serial No. 450,186; Mar. 10. Class 46.
Rand McNally & Company, Chicago, Ill. Printed coupon books in booklet form, printed signs for windows, etc. Serial No. 449,214; Mar. 10. Class 38.
Raven, W., & Co. Limited, Leicester, England. Men's half hose, anklet and slack socks, etc. Serial No. 447,467; Mar. 10. Class 39.
Recorg Supply Corporation, Chicago, Ill. Jams, jellies, fruit preserves, etc. Serial No. 448,522; Mar. 10. Class 46.
Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails, etc. Serial No. 423,864; Mar. 10. Class 6.
Richards, Boggs & King, Inc., Chicago, Ill. Raincoats, rain capes, combined rain capes and hoods, etc. Serial No. 450,001; Mar. 10. Class 39.
Rose Brothers, New York, N. Y. Men's and young men's topcoats, trousers, etc. Serial No. 448,459; Mar. 10. Class 39.
Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, face powders, face creams, etc. Serial No. 450,573; Mar. 10. Class 6.
Schering Corporation, Bloomfield, N. J. Medicinal, pharmaceutical, and chemical preparations. Serial No. 450,212; Mar. 10. Class 6.
Schneider & Armitage, New York, N. Y. Woolen piece goods. Serial No. 449,782; Mar. 10. Class 42.
Schram, William S., Chicago, Ill. Pajamas. Serial No. 449,589; Mar. 10. Class 39.
Selmer, H. & A., Inc., Elkhart, Ind. Reeds for woodwind instruments, etc. Serial No. 449,297; Mar. 10. Class 36.
Seminole Manufacturing Company, Columbus, Miss. Men's and boys' work and dress trousers. Serial No. 448,530; Mar. 10. Class 39.
Shapera, Charles M., doing business as Emes Kosher Products, Chicago, Ill. Gelatine desserts. Serial No. 447,642; Mar. 10. Class 46.
Shaw-Barton, Inc., Coshocton, Ohio. Wall calendars. Serial Nos. 450,027–8; Mar. 10. Class 38.
Smart Maid Coat Co., Inc., New York, N. Y. Misses', juniors', and children's coats. Serial No. 450,214; Mar. 10. Class 39.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for stimulation of the nervous system, etc. Serial No. 450,575; Mar. 10. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial No. 450,576; Mar. 10. Class 6.
Spatz Bros., Inc., New York, N. Y. Boys' raincoats. Serial No. 446,784; Mar. 10. Class 39.
Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 444,421; Mar. 10. Class 39.
Springfield Leather Products Company, The, Springfield, Ohio. Cigarette cases. Serial No. 439,731; Mar. 10. Class 8.
Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 449,705; Mar. 10. Class 6.
Stotlar, L. E., doing business as Physicians Supply Company, Herrin, Ill. Analgesic and antipyretic in tablet form. Serial No. 440,888; Mar. 10. Class 6.
Street & Smith Publications, Inc., New York, N. Y. Periodical publication. Serial No. 448,926; Mar. 10. Class 38.
Swedlin, J., Inc., New York, N. Y. Stuffed toys. Serial No. 450,433; Mar. 10. Class 22.
Toro, Sylvia, doing business as Toro Products, Brooklyn, N. Y. Skin and scalp lotion. Serial No. 450,254; Mar. 10. Class 6.
Towmotor Co., Cleveland, Ohio. Industrial power trucks. Serial No. 448,270; Mar. 10. Class 19.
Triangle Publications, Inc., Philadelphia, Pa. Monthly magazine devoted to motion picture industry. Serial No. 448,990; Mar. 10. Class 38.

Troy Chemical Co., Binghamton, N. Y. Ointment used as an aid for cuts, etc. Serial No. 450,523; Mar. 10. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Intestinal lubricant. Serial No. 439,500; Mar. 10. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Laxative. Serial No. 439,504; Mar. 10. Class 6.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 450,171; Mar. 10. Class 38.
Vitabolin Company. (See Creal, Melvin N.)
Vita-Ray Corporation, The, Lowell, Mass. Cosmetic and toilet preparations. Serial No. 449,109; Mar. 10. Class 6.
Vita-Yeast Company, Ltd., New York, N. Y. Dried yeast. Serial No. 449,073; Mar. 10. Class 46.
Wesco Foods Company. (See Kroger Grocery & Baking Company, The.)
Western Chemical Company. (See Enge, Charles G.)
Western Cooperage Company, Portland, Oreg. Battery separators. Serial No. 448,350; Mar. 10. Class 21.
Williams Products Company, Columbus, Ga. Foot powder. Serial No. 450,173; Mar. 10. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Liqueur. Serial No. 449,111; Mar. 10. Class 49.
Yarnall Paint Company, Philadelphia, Pa. Paints, paint enamels, stains, etc. Serial No. 448,070; Mar. 10. Class 16.
Zephyr Laundry Machinery Co., Inc., Chicago, Ill. Laundry machinery and equipment. Serial No. 449,333; Mar. 10. Class 24.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel Bros. & Co. Inc., New York, N. Y. Jewelry. 156,606; renewed July 11, 1942.
Ace Magazines Inc., New York, N. Y. Comic strip feature. 393,939; Mar. 10; Serial No. 447,899; published Dec. 16, 1941. Class 38.
Akin, Harry, Austin, Tex. Hamburger sandwiches. 394,010; Mar. 10. Class 46.
Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Pulverous-matter packing machines and envelope and bag, lithographical, match, and box machines. 153,639; renewed Mar. 28, 1942.
Aktiengesellschaft Cilander, Herisau, Switzerland. Cotton, linen, and half-silk piece goods. 156,977; renewed July 25, 1942.
Aktiengesellschaft Cilander, Herisau, Switzerland. Cotton, linen, and half-silk piece goods. 156,980; renewed July 25, 1942.
Albers Packing Company, Riverside, Calif. Prepared food products—namely, cannel olives. 393,919; Mar. 10; Serial No. 447,421; published Dec. 30, 1941. Class 46.
Alpina Union Horlogère A. G. (See Union Horlogère S. A.)
Altorfer Bros. Company, East Peoria, Ill. Ironing machines. 152,655; renewed Mar. 7, 1942.
American Lecithin Company, Cleveland, Ohio. Lecithin filled cookies. 393,954; Mar. 10; Serial No. 448,127; published Dec. 30, 1941. Class 46.
Anderson, Wm., Textile Mfg. Co., to Wm. Anderson Textile Mfg., Co., Ltd., New York, N. Y., successor. Textile fabrics. 152,114; renewed Feb. 21, 1942.
Armour and Company. (See Decker, Jacob E. & Sons, assignor.)
Armour and Company. (See Fowler Packing Company, assignor.)
Armstrong Manufacturing Co., The, Bridgeport, Conn. Pipe vises and stocks and dies for pipe threading. 156,990; renewed July 25, 1942.
Asbestos Manufacturing Company, Huntington, Ind. Brake lining and clutch facings. 393,901–2; Mar. 10; Serial Nos. 446,609–10; published Dec. 30, 1941. Class 35.
Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. 393,951–2; Mar. 10; Serial Nos. 448,091–2; published Dec. 23, 1941. Class 15.
Atlas Publishing Company, New York, N. Y. Publication. 394,004; Mar. 10. Class 38.
Bamberger Broadcasting Service, Incorporated, Newark, N. J. Facsimile bulletins published daily or from time to time. 393,853; Mar. 10; Serial No. 405,189; published Dec. 30, 1941. Class 38.
Bastian-Morley Co. Inc., La Porte, Ind. Periodical publication. 393,947; Mar. 10; Serial No. 448,026; published Dec. 30, 1941. Class 38.
Berghoff Brewing Corporation, Fort Wayne, Ind. Malt beverages. 393,963; Mar. 10; Serial No. 448,312; published Dec. 23, 1941. Class 48.
Bethlehem Steel Company, Bethlehem, Pa. Sheet steel. 157,003; renewed July 25, 1942.
Biosanto Chemical Specialities. (See Rodriguez, Antonio P.)
Bon Vivant Company. (See Castelli, Francis.)
Bonat & Bonat, Inc., New York, N. Y. Machineless hair waving pads. 393,894; Mar. 10; Serial No. 446,159; published Dec. 30, 1941. Class 44.
Boyd, Marcella, Garnette Mitchell, and Grace Osborne, Pikeville, Ky. Preparation for treating erysipelas, cuts, bruises, burns, old sores, etc. 393,931; Mar. 10; Serial No. 447,629; published Dec. 23, 1941. Class 6.
Boyle Leather Goods Co. Inc., New York, N. Y. Handbags, suitcases, hat boxes, overnight cases, wardrobe cases, and trunks. 393,864; Mar. 10; Serial No. 439,150; published Mar. 18, 1941. Class 3.
Bowker, R. R., Company, New York, N. Y. Periodical published weekly. 393,903; Mar. 10; Serial No. 446,689; published Dec. 23, 1941. Class 38.
Bowker, R. R., Company, New York, N. Y. Periodical published semi-monthly. 393,904–5; Mar. 10; Serial Nos. 446,728–9; published Dec. 23, 1941. Class 38.
Brisacher, Emil, doing business as Brisacher, Davis & Staff, San Francisco, Calif. Periodical program skits for radio stations sold as publication. 393,932; Mar. 10; Serial No. 447,792; published Dec. 23, 1941. Class 38.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 157,012; renewed July 25, 1942.
Brown Shoe Company, Inc. (See Hall's, J. S., Sons., assignor.)
Brown, Warren, Chicago, Ill. Section of a newspaper. 393,989; Mar. 10; Serial No. 448,779; published Dec. 30, 1941. Class 38.
Bubble Up Company. (See Schneeberger, Leroy O.)
Buek Shoe Corporation, Philadelphia, Pa. Men's, women's, and children's shoes made of leather, rubber, or fabric, or any combination. 393,940; Mar. 10; Serial No. 447,904; published Dec. 23, 1941. Class 39.
Cairone, Rudolph, Pelham, N. Y. Alcoholic extract. 394,012; Mar. 10. Class 48.
Camloc Fastener Company, New York, N. Y. Rotatable stud separable fasteners. 393,936–7; Mar. 10; Serial Nos. 447,866–7; published Dec. 30, 1941. Class 13.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Non-alcoholic maltless beverages. 393,966; Mar. 10; Serial No. 448,357; published Dec. 23, 1941. Class 45.
Casco Products Corporation, Bridgeport, Conn. Electrical heating pads for therapeutic use. 393,859; Mar. 10; Serial No. 435,527; published Dec. 30, 1941. Class 44.
Castelli, Francis, doing business as Bon Vivant Company, New York, N. Y. Canned soups. 393,967; Mar. 10; Serial No. 448,358; published Dec. 30, 1941. Class 46.
Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives and curtains and drapes made therefrom. 393,899; Mar. 10; Serial No. 446,450; published Nov. 25, 1941. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. 393,943; Mar. 10; Serial No. 447,996; published Dec. 16, 1941. Class 42.
Century Fruit Corporation, Medina, N. Y. Cider beverage. 393,877; Mar. 10; Serial No. 443,835; published Dec. 30, 1941. Class 45.
Cerf, Baruch, Los Angeles, Calif. Additive in the nature of a lubricant for circulating mud for drilling of wells. 393,871; Mar. 10; Serial No. 442,546; published Dec. 16, 1941. Class 15.
Charles of the Ritz, Inc., New York, N. Y. Perfumes and toilet water. 393,973; Mar. 10; Serial No. 448,601; published Dec. 30, 1941. Class 6.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Woven, knitted, netted textile and pile fabrics in the piece. 393,960; Mar. 10; Serial No. 448,279; published Dec. 23, 1941. Class 42.
Civic Education Service, Washington, D. C. Weekly periodical. 393,910; Mar. 10; Serial No. 446,991; published Dec. 16, 1941. Class 38.
Const Manufacturing & Supply Co., Livermore, Calif. Heavy twine or cord used for igniting any ignitable article in contact therewith. 393,999; Mar. 10. Class 9.
Cohen & Wilks, Limited, Manchester, England. Cloths and stuffs of wool, worsted, or hair. 393,867; Mar. 10; Serial No. 440,152; published Dec. 23, 1941. Class 42.
Colley Cranberry Company, Plymouth, Mass. Canned dehydrated cranberries. 393,964; Mar. 10; Serial No. 448,315; published Dec. 30, 1941. Class 46.
Compo Shoe Machinery Corporation, Boston, Mass. Adhesive shoe cement. 394,013; Mar. 10. Class 5.
Concrete Building Units Company, Kansas City, Mo. Concrete joists and concrete building blocks. 393,961; Mar. 10; Serial No. 448,282; published Dec. 23, 1941. Class 12.
Cooper, William, & Nephews, Incorporated. (See McDougall & Yalding Ltd., assignor.)
Corby, George E., Cleveland, Ohio. Monthly periodicals. 393,909; Mar. 10; Serial No. 446,964; published Dec. 16, 1941. Class 38.

Country Press, Inc., Greenwich, Conn. Monthly magazine. 393,872–3; Mar. 10; Serial Nos. 442,588–9; published Dec. 16, 1941. Class 38.
Craddock-Terry Company, assignor to Craddock-Terry Shoe Corp., Lynchburg, Va. Shoes. 157,035; renewed July 25, 1942.
Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures. 393,900; Mar. 10; Serial No. 446,538; published Nov. 4, 1941. Class 50.
Crown Remedy Company, assignor to Wirt Davis, Dallas, Tex., successor. Medicinal preparation. 152,144; renewed Feb. 21, 1942.
Curtiss-Wright Corporation, New York and Buffalo, N. Y., Columbus, Ohio, and St. Louis, Mo. Magazine. 393,977; Mar. 10; Serial No. 447,659; published Dec. 30, 1941. Class 38.
Dairy Association Company, Inc., Lyndonville, Vt. Horse tonic. 394,008; Mar. 10. Class 6.
Dairy Association Company, Inc., Lyndonville, Vt. Liniment for horses. 394,009; Mar. 10. Class 6.
Davis, Wirt. (See Crown Remedy Company, assignor.)
Decker, Jacob E., & Sons, Mason City, Iowa, assignor to Armour and Company, Chicago, Ill. Sausage, potted meats and cereals, corn beef hash. 151,733; renewed Feb. 14, 1942.
Defender Photo Supply Co., Inc., Rochester, N. Y. Photographic paper. 157,041; renewed July 25, 1942.
De La Vergne Machine Company, New York, N. Y., assignor, by mesne assignments, to Baldwin De La Vergne Sales Corporation, Eddystone, Pa. Ice making and refrigerating machinery. 151,113; renewed Jan. 24, 1942.
Dentists' Supply Company of New York, New York, N. Y. Teeth, Artificial. 393,857; Mar. 10; Serial No. 423,493; published Oct. 17, 1939. Class 44.
Dermetics, Inc., Seattle, Wash. Lipstick. 393,965; Mar. 10; Serial No. 448,316; published Dec. 30, 1941. Class 6.
Detective Comics, Inc., New York, N. Y. Magazine. 393,984–5; Mar. 10; Serial Nos. 447,725–6; published Dec. 16, 1941. Class 38.
Ditto, Incorporated, Chicago, Ill. Paper. 393,870; Mar. 10; Serial No. 442,522; published June 10, 1941. Class 37.
Dow, Louis F., Company, St. Paul, Minn. Pencils, particularly mechanical lead pencils. 393,892; Mar. 10; Serial No. 445,889; published Dec. 30, 1941. Class 37.
Dudley, Arthur G., doing business as Henningsen Company of California, San Francisco, Calif. Men's military brushes, handled brushes, hair brushes, etc. 393,926; Mar. 10; Serial No. 447,559; published Dec. 23, 1941. Class 29.
Embros Wine Company. (See Miglioretti Brothers.)
Essex Rubber Company, Trenton, N. J. Soles and heels. 157,052; renewed July 25, 1942.
Eucatol Company, not Incorporated, Quincy, Ill. Emollient antiseptic medicine. 150,351; renewed Jan. 3, 1942.
Felten & Sons, Inc., New York, N. Y. Vegetable oil products. 393,851; Mar. 10; Serial No. 385,285; published Dec. 30, 1941. Class 46.
Flowerfield Bulb Farm. (See Mooney, James D.)
Folger, J. A., & Co., San Francisco, Calif. Tea and coffee. 151,761; renewed Feb. 14, 1942.
Folker Fabrics, Inc., New York, N. Y. Textile fabrics in the piece of silk, rayon, and combinations thereof. 393,917; Mar. 10; Serial No. 447,328; published Dec. 23, 1941. Class 42.
Fort Scott Hydraulic Cement Company. (See Thomas, Howard M.)
Fowler Packing Company, Kansas City, Kans., assignor to Armour and Company, Chicago, Ill. Lard and dry salt and sweetpickled pork. 151,765; renewed Feb. 14, 1942.
Fraim, E. T., Lock Company, The, Lancaster, Pa. Locks, latches, and padlocks. 157,066; renewed July 25, 1942.
Frantz Home Bakers, Inc., East Liverpool, Ohio. Sandwich roll. 393,878; Mar. 10; Serial No. 444,147; published Dec. 30, 1941. Class 46.
Fruit Belt Preserving Company, The, East Williamson, N. Y. Canned apples. 394,002; Mar. 10. Class 46.
Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Men's and boys' caps, jackets, neckties, outer shirts, sweaters, trousers, and uniforms. 393,884; Mar. 10; Serial No. 445,049; published Dec. 23, 1941. Class 39.
Gaines, M. Charles, New York, N. Y. Cartoon published in a series. 393,880; Mar. 10; Serial No. 444,496; published Dec. 23, 1941. Class 38.
General Brewing Corporation, San Francisco, Calif. Malt cereal beverages. 393,992; Mar. 10. Class 48.
General Cosmetics Company. (See Hanisch, Arthur O.)
General Motors Corporation, Detroit, Mich. Iron and steel castings and forgings. 393,916; Mar. 10; Serial No. 447,305; published Dec. 30, 1941. Class 14.
General Tire & Rubber Company, The, Akron, Ohio. Shoe soles and heels. 156,259; renewed June 20, 1942.
General Tire & Rubber Company, Akron, Ohio. Tire retreads. 156,869; renewed July 18, 1942.
Good Food Publishing Co., Chicago, Ill. Magazine. 393,998; Mar. 10. Class 38.
Gourlay, Walter W. J., Philadelphia, Pa. Antiseptic, liniment, and counter-irritant, for the syntomatic relief of athlete's foot, etc. 393,978; Mar. 10; Serial No. 447,661; published Dec. 23, 1941. Class 6.
Grady-Travers Company, Incorporated, The. (See Kelley, Henry C., Company, assignor.)
Green, Irving H., Minneapolis, Minn. Boxes of cardboard and corrugated board, and box shaped containers. 393,920; Mar. 10; Serial No. 447,462; published Dec. 16, 1941. Class 2.
Grover's, J. J., Sons Company, Lynn, assignor to J. J. Grover Shoe Company, Boston, Mass. Boots, shoes and slippers. 157,089; renewed July 25, 1942.
Gruer, Frank H. (See Heinrichshofen, Robert.)
Guild, L. W., Company, Inc., Boston, Mass. Cotton textile fabrics sold in the piece or cut lengths. 393,948; Mar. 10; Serial No. 448,049; published Dec. 23, 1941. Class 42.
Hadfields Limited, Sheffield, England. Fire fenders, furnace bars. 157,091; renewed July 25, 1942.
Haggerty, W. B., Inc., Tampa, Fla. Canned citrus fruit juices. 393,941; Mar. 10; Serial No. 447,911; published Dec. 30, 1941. Class 46.
Hall's, J. S., Sons, Knoxville, Tenn., assignor to Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 157,092; renewed July 25, 1942.
Hallman, E., doing business as E. Hallman Company, Toronto, Ontario, Canada. Honey, butter, cheese, and dressed poultry. 393,893; Mar. 10; Serial No. 446,109; published Oct. 7, 1941. Class 46.
Hanisch, Arthur O., doing business as General Cosmetics Company, Pasadena, Calif. Combination mascara preparation, applicator and eyelash curler. 393,979; Mar. 10; Serial No. 447,662; published Dec. 23, 1941. Class 6.
Harlingen Brokerage Company, Harlingen, Tex. Wheat flour. 393,863; Mar. 10; Serial No. 438,041; published July 29, 1941. Class 46.
Heinrichshofen, Robert, doing business as The West India Mfg. Co., to Frank H. Gruer, St. Louis, Mo., successor. Extracts, colors, flavors for soft drinks. 156,876; renewed July 18, 1942.
Henningsen Company of California. (See Dudley, Arthur G.)
Hewes & Potter, assignor to Hewes & Potter Inc., Boston, Mass. Bow neckties. 154,573; renewed Apr. 18, 1942.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. 393,868; Mar. 10; Serial No. 442,039; published Dec. 30, 1941. Class 4.
Hicks-Hayward Company, El Paso, Tex. Articles of clothing. 156,295; renewed June 20, 1942.
Hill Manufacturing Co., assignor to Hill Manufacturing Co., Lewiston, Maine. Cotton piece goods. 156,296; renewed June 20, 1942.
Hollins, William, & Company, Limited, London and Mansfield, to William Hollins & Company, Limited, Nottingham, England. Articles of clothing. 150,851; renewed Jan. 10, 1942.
Holmstrom-Pilcher Co. (See Walker-Matteson Company, assignor.)
Holstein-Friesian Association of America, Brattleboro, Vt. Fresh milk and cream. 393,993; Mar. 10. Class 46.
Hubert, Lily M., Bellport, N. Y. Toys—namely, dolls and toy animals. 393,924; Mar. 10; Serial No. 447,511; published Dec. 30, 1941. Class 22.
Hufnagel, Edw. H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Boiler compounds, soot destroyers, and rust solvents. 393,854; Mar. 10; Serial No. 413,090; published Apr. 18, 1939. Class 6.
Industrial Synthetics Incorporated, Newark, N. J. Chemical compounds for waterproofing fabrics and textiles. 393,975; Mar. 10; Serial No. 448,642; published Dec. 30, 1941. Class 6.
International Bedding Company, The, Baltimore, Md. Felt mattresses. 155,724–5; renewed June 6, 1942.
International Harvester Company, Chicago, Ill. Agricultural machinery and tractors and tractor hitches. 152,432–3; renewed Feb. 28, 1942.
International Paper Company, New York, N. Y. Mimeograph paper. 393,908; Mar. 10; Serial No. 446,948; published Dec. 30, 1941. Class 37.
International Schools Company of Latin America, Scranton, Pa. Printed lesson sheets, books, manuals, etc. 394,006–7; Mar. 10. Class 38.
International Shoe Company. (See Plant, Thomas G., Company, assignor.)
International Torpedo Co. (See Lednum, Edmund T.)
Iowa Malleable Iron Company, Fairfield, Iowa. Malleable-iron castings. 156,690; renewed July 11, 1942.
Irwin, John, Buffalo, N. Y. Waterproofing compound for use with stucco, magnesite, and plaster. 393,866; Mar. 10; Serial No. 440,007; published Dec. 16, 1941. Class 12.
Kedmont Manufacturing & Waterproofing Co. (See Van Wolf, A. F.)
Keever Starch Company, The, Columbus, Ohio. Laundry starch. 152,206; renewed Feb. 21, 1942.
Keever Starch Company, The, Columbus, Ohio. Starch. 394,015; Mar. 10. Class 6.
Kelley, Henry C., Company, assignor to The Grady-Travers Company, Incorporated, New York, N. Y. Cords, twines, and ropes. 154,075; renewed Apr. 4, 1942.

Kendall Company, The. (See Lewis Manufacturing Co., assignor.)
Kenny, C. D., Company, The, Baltimore, Md. Canned fruits, vegetables, tomato soup, etc. 393,955; Mar. 10; Serial No. 448,139; published Dec. 30, 1941. Class 46.
Kleinert, I. B., Rubber Company, New York, N. Y. Undergarments, and sanitary pantalettes. 157,120; renewed July 25, 1942.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 393,995–6; Mar. 10. Class 40.
Kuhls, H. B. Fred, The Estate of, doing business as H. B. Fred. Kuhls, Brooklyn, N. Y. Preparation for filling in seams or joints in any kind of construction. 393,928; Mar. 10; Serial No. 447,593; published Dec. 23, 1941. Class 12.
La Monte, George, & Son, Nutley, N. J. Safety paper used for bank checks, drafts, tickets, etc. 393,858; Mar. 10; Serial No. 428,557; published Dec. 2, 1941. Class 37.
Lednum, Edmund T., doing business as International-Torpedo Co., Chicago, Ill. Torpedoes. 393,991; Mar. 10. Class 9.
Lee, Harry C., & Co., Inc., New York, N. Y. Golf clubs. 393,980–1; Mar. 10; Serial Nos. 448,677–8; published Dec. 30, 1941. Class 22.
Legatz, Peter, Bay City, Mich. Drive-in service buildings shipped cut to fit. 393,887; Mar. 10; Serial No. 445,525; published Dec. 16, 1941. Class 12.
Lelong, Lucien, Inc., Chicago, Ill. Perfumes, cologne, toilet water, face powder, dusting powder, sachet powder, etc. 393,897–8; Mar. 10; Serial Nos. 446,326–7; published Dec. 23, 1941. Class 6.
Letourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Portable overpass. 393,918; Mar. 10; Serial No. 447,376; published Dec. 16, 1941. Class 12.
Lewis Manufacturing Co., assignor, by mesne assignments, to The Kendall Company, Walpole, Mass. Piece goods. 157,128; renewed July 25, 1942.
Lincoln Wine Company. (See Miglioretti Brothers.)
Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and/or rayon piece goods. 393,959; Mar. 10; Serial No. 448,258; published Dec. 23, 1941. Class 42.
Luciphor, Inc., New York, N. Y. Luminescent compositions. 393,971; Mar. 10; Serial No. 448,567; published Dec. 30, 1941. Class 6.
Macy, R. H., & Co., Inc., New York, N. Y. Aprons. 154,620; renewed Apr. 18, 1942.
Malt-O-Milk Co. (See Obrecht, G. Fred.)
Manhattan Terrazzo Brass Strip Co., Inc., New York, N. Y. Dividing strips or other formed pieces. 394,011; Mar. 10. Class 12.
Marshall Field & Company, Chicago, Ill. Living room, bed room, and dining room furniture. 393,986; Mar. 10; Serial No. 447,733; published Dec. 30, 1941. Class 32.
McCrory Stores Corporation, New York, N. Y. Carbon paper. 393,879; Mar. 10; Serial No. 444,306; published Dec. 30, 1941. Class 11.
McDougall & Yalding Ltd., Yalding, England, assignor to William Cooper & Nephews, Incorporated, Chicago, Ill. Chemical preparations. 152,219–20; renewed Feb. 21, 1942.
McDougall & Yalding Ltd., Yalding, Kent, England, assignor to William Cooper & Nephews, Incorporated, Chicago, Ill. Fungicides, insecticides, etc. 154,317–18; renewed Apr. 11, 1942.
McHugh, Earle H., doing business as Rose Mfg. Milford, Conn. Baked beans. 393,925; Mar. 10; Serial No. 447,524; published Dec. 30, 1941. Class 46.
Medill, Malcolm, and Leighton C. Medill, Denver, Colo. Sandwiches. 393,889; Mar. 10; Serial No. 445,585; published Dec. 23, 1941. Class 46.
Miglioretti Brothers, doing business as Lincoln Wine Company and Embros Wine Company, Baltimore, Md. Canned goods—namely, tuna fish, peeled tomatoes, peas, etc. 393,953; Mar. 10; Serial No. 448,111; published Dec. 30, 1941. Class 46.
Mine Safety Appliances Company, Pittsburgh, Pa. Respirator cartridges. 393,972; Mar. 10; Serial No. 448,571; published Dec. 30, 1941. Class 44.
Mitchell, Garnette. (See Boyd, Marcella, Mitchell, and Osborne.)
Mooney, James D., doing business as Flowerfield Bulb Farm, Flowerfield, Long Island, N. Y. Flower seeds and bulbs. 393,874; Mar. 10; Serial No. 443,203; published Dec. 30. 1941. Class 1.
Moorman Manufacturing Company, Quincy, Ill. Feed concentrates and mineral feeds. 393,933; Mar. 10; Serial No. 447,816; published Dec. 30, 1941. Class 46.
Moorman Manufacturing Company, Quincy, Ill. Worm expellers for farm animals and poultry, fly spray, and disinfectant powder. 393,934; Mar. 10; Serial No. 447,817; published Dec. 23, 1941. Class 6.
Moss Glove & Hosiery Co., San Francisco, Los Angeles, Oakland, Sacramento, Stockton, and Fresno, Calif, and Denver, Colo., assignor, by mesne assignments, to Moss Stores, Inc., San Francisco, Calif. Gloves and hosiery. 156,354; renewed June 20, 1942.
Muench-Kreuzer Candle Co., Inc. (See Norton Company, Inc., The, assignor.)
Mutual Cap Fronts, Inc., New York, N. Y. Visors for hats and caps. 393,895; Mar. 10; Serial No. 446,169; published Dec. 23, 1941. Class 39.
Mutual Cap Fronts, Inc., New York, N. Y. Visors for hats and caps. 393,896 Mar. 10; Serial No. 446,171; published Dec. 23, 1941. Class 39.
National Carbon Company, Inc., New York, N. Y. Garment bags. 393,987; Mar. 10; Serial No. 448,737; published Dec. 30, 1941. Class 2.
NEA Service, Inc., Cleveland, Ohio. Comic drawings, published in a series. 393,958; Mar. 10; Serial No. 448,227; published Dec. 30, 1941. Class 38.
Norma Chemical Company. (See Hufnagel, Edw. H.)
Norton Company, Inc., The, Jersey City, N. J., assignor to Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y. Candles. 151,351; renewed Jan. 31, 1942.
Novelty Slipper Co. Inc. (See Wilhelm, Herman, assignor.)
Obrecht, G. Fred, doing business as Malt-O-Milk Co., Baltimore, Md. Poultry feed. 394,003; Mar. 10. Class 46.
Oldham, Perry B., Austin, Tex. Medicine. 393,956; Mar. 10; Serial No. 448,203; published Dec. 23, 1941. Class 6.
Ortiz, Alfonso, Long Island City, N. Y. Non-alcoholic malt beverage. 393,974; Mar. 10; Serial No. 448,620; published Dec. 30, 1941. Class 48.
Osborne, Grace. (See Boyd, Marcella, Mitchell, and Osborne.)
Oxnard Canners, Inc., Port Hueneme, Calif. Canned fish. 393,942; Mar. 10; Serial No. 447,950; published Dec. 30, 1941. Class 46.
Pabst Corporation, Milwaukee, Wis., assignor, by mesne assignments, to Pabst Brewing Company, Peoria Heights, Ill. Malt extract. 156,902; renewed July 18, 1942.
Pal, George J., Hollywood, Calif. Dolls and marionettes including the figures, stage cabinets, and operating appliances therefor, etc. 393,876; Mar. 10; Serial No. 443,699; published Dec. 30, 1941. Class 22.
Pangburn Company, Inc., Fort Worth, Tex. Candies and ice cream. 157,170; renewed July 25, 1942.
Parade Publication, Inc., New York, N. Y. Weekly newspapers. 393,911–12; Mar. 10; Serial Nos. 447,000–1; published Dec. 23, 1941. Class 38.
Paraloy Co., The. (See Williamson, F. E.)
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. 393,968; Mar. 10; Serial No. 448,395; published Dec. 30, 1941. Class 6.
Parke, L. H., & Co., assignor to L. H. Parke Company, Philadelphia, Pa. Tea. 21,432; re-renewed July 12, 1942.
Parker, Elgin R., doing business as Southern Water Heater Company, also United States Heater Company, Compton, Calif. Automatic storage gas water heaters. 393,913; Mar. 10; Serial No. 447,250; published Dec. 30, 1941. Class 34.
Perino, Domenici J., Hammonton, N. J. Medicinal salve for treating bruises, cuts, scratches, and boils. 393,922; Mar. 10; Serial No. 447,488; published Dec. 23, 1941. Class 6.
Platt, Tandy W., Chicago, Ill. Liquid shampoo for animals. 393,935; Mar. 10; Serial No. 447,821; published Dec. 23, 1941. Class 6.
Pioneer Parachute Company, Inc., Manchester, Conn. Aviation equipment--namely, parachutes, parachute packs, parachute harnesses, etc. 393,888; Mar. 10; Serial No. 445,558; published Dec. 30, 1941. Class 19.
Pioneer Publishing Company, Oak Park, Ill. Newspaper. 393,906; Mar. 10; Serial No. 446,760; published Dec. 30, 1941. Class 38.
Plant, Thomas G., Company, Boston, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 151,177–8; renewed July 25, 1942.
Porcelain Enamel Institute, Inc., Chicago, Ill. Porcelain enameled steel table tops. 393,869; Mar. 10; Serial No. 442,243; published Dec. 30, 1941. Class 32.
Pratt Food Company, Philadelphia, Pa. Livestock and poultry medicines, insecticides, and disinfectants. 394,014; Mar. 10. Class 6.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Vitamin preparation used as a food and vitamin supplement. 393,930; Mar. 10; Serial No. 447,616; published Dec. 23, 1941. Class 6.
Prina, Frank R., Corporation, The, New York, N. Y. Wheat flour. 151,916; renewed Feb. 14, 1942.
Radiator Specialty Company, Charlotte, N. C., Los Angeles, Calif., and Toronto, Ontario, Canada. Powder used for opening and cleaning clogged drains and grease traps. 393,907; Mar. 10; Serial No. 446,890; published Dec. 23, 1941. Class 6.
Retail Publications, Inc., Cleveland, Ohio. Publication. 393,997; Mar. 10. Class 38.
Riley Company, Inc., The, New York, N. Y. Piece goods for apparel made of rayon, cotton, wool, etc. 393,885; Mar. 10; Serial No. 445,244; published Dec. 23, 1941. Class 42.
Rinshed-Mason Company, Detroit, Mich. Preparation for the removal of wax and other foreign substances from surfaces of automobiles and other painted surfaces. 393,938; Mar. 10; Serial No. 447,892; published Dec. 30, 1941. Class 4.
Robertson, C. W., doing business as Robertson Yam Company, Tyler, Tex. Kiln dried sweet potatoes. 393,927; Mar. 10; Serial No. 447,575; published Dec. 30. 1941. Class 46.

Robot Sales Co. (See Wilson, Joseph P.)
Rodriguez, Antonio P., doing business as Biosanto Chemical Specialties, New York, N. Y. Medicinal preparations indicated in and for the treatment of acidosis, heartburn, etc. 393,881; Mar. 10; Serial No. 444,513; published Dec. 23, 1941. Class 6.
Rose Mill. (See McHugh, Earle H.)
Rosenstein Bros., New York, N. Y. Elastic fabrics in the piece made of silk, satin, rayon, and cotton fabrics, etc. 393,882; Mar. 10; Serial No. 444,547; published Dec. 16, 1941. Class 42.
Rothstein, May, Wilkes-Barre, Pa. Salve for the treatment of burns. 393,982; Mar. 10; Serial No. 448,708; published Dec. 30, 1941. Class 6.
Royle Craven Company, assignor to George Royle & Company, Philadelphia, Pa. Bed sheets, pillowcases, and bolster cases, known as bed sets. 157,036; renewed July 25, 1942.
Russell-Miller Milling Co., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 152,977; renewed Mar. 7, 1942.
Sachs, George, Jamaica, L. I., N. Y. Tobacco bought in process which is then blended, etc. 393,890; Mar. 10; Serial No. 445,670; published Dec. 30, 1941. Class 17.
Schneeberger, Leroy O., doing business as Bubble Up Company, St. Louis, Mo. Nonalcoholic, maltless beverage. 393,962; Mar. 10; Serial No. 448,304; published Dec. 23, 1941. Class 45.
Scott Paper Company, Chester, Pa. Bulletin in the nature of a house organ. 393,994; Mar. 10. Class 38.
Shafer-Haggart Ltd., Vancouver, British Columbia, Canada. Peat moss used in the nature of a fertilizer. 393,949; Mar. 10; Serial No. 448,060; published Dec. 23, 1941. Class 10.
Sickenberger, Anthony P., Birmingham, Mich. Ready mixed or paste paints and water colors. 393,976; Mar. 10; Serial No. 447,643; published Dec. 30, 1941. Class 16.
Simplex Binder Co., New York, N. Y. Blank books for addresses and memorandums. 393,883; Mar. 10; Serial No. 445,018; published Dec. 30, 1941. Class 37.
Southern Water Heater Company. (See Parker, Elgin R.)
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 393,969; Mar. 10; Serial No. 448,400; published Dec. 23, 1941. Class 6.
Stegmaier Brewing Company, Wilkes-Barre, Pa. Fermented beverage brewed from malt and other cereals and hops. 393,923; Mar. 10; Serial No. 447,496; published Dec. 23, 1941. Class 48.
Strouse-Baer Co., The, Baltimore, Md. Suits, dresses, coats, skirts, etc. 157,212; renewed July 25, 1942.
Sunlite Mfg. Company, The, Milwaukee, Wis. Ironing pads. 394,000; Mar. 10. Class 24.
Terminal Grain Company, Fort Worth, Tex. Seed grains and field seeds. 393,856; Mar. 10; Serial No. 418,657; published Apr. 15, 1941. Class 1.
Terry, Sam, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Fruit juices. 393,852; Mar. 10; Serial No. 402,450; published Nov. 7, 1939. Class 45.
Thomas, Howard M., doing business as Fort Scott Hydraulic Cement Company, Fort Scott, Kans. Masonry cement. 394,005; Mar. 10. Class 12.
Tide Water Associated Oil Company, San Francisco, Calif. Lubricating oil for motor Diesel engines. 393,855; Mar. 10; Serial No. 414,048; published May 14, 1940. Class 15.
Toledo Steel Products Company, The, Toledo, Ohio. Break-in motor oil. 393,944; Mar. 10; Serial No. 448,016; published Dec. 23, 1941. Class 15.
Transcontinental & Western Air, Inc., North Kansas City, Mo. Periodical. 393,865; Mar. 10; Serial No. 439,258; published Dec. 16, 1941. Class 38.
Twin City Wholesale Grocer Company, St. Paul, Minn. Cereal breakfast food. 393,914; Mar. 10; Serial No. 447,259; published Dec. 30, 1941. Class 46.
Union Horlogère S. A., Bienne, by change of name to Alpina Union Horlogère A. G., Biel, Switzerland. Watches. 144,644; renewed July 12, 1942.
United Fresh Fruit & Vegetable Association, Chicago, Ill. Fresh deciduous fruits. 393,915; Mar. 10; Serial No. 447,260; published Dec. 30, 1941. Class 46.
United Fruit Growers Association, The, Palisade, Colo. Fresh deciduous fruits. 393,891; Mar. 10; Serial No. 445,674; published Dec. 30, 1941. Class 46.
United Press Associations, New York, N. Y. Section or column appearing in daily and Sunday newspapers. 393,921; Mar. 10; Serial No. 447,474; published Dec. 30, 1941. Class 38.
United States Aviex Corporation, New York, N. Y. Lubrication oil. 393,860–1; Mar. 10; Serial Nos. 437,537–8; published Dec. 16, 1941. Class 15.
United States Heater Company. (See Parker, Elgin R.)
Valley of the Moon Fruit Juice Co. (See Terry, Sam.)
Van Wolf, A. F., doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill. Material (in liquid form) applicable to masonry, concrete and wood. 393,945; Mar. 10; Serial No. 448,021; published Dec. 23, 1941. Class 12.
Vick, Albert F. W., Philadelphia, to Albert F. W. Vick, Cynwyd, Pa. Material for filling cavities in trees. 151,622; renewed Feb. 7, 1942.
Volume Sprayer Manufacturing Co., Inc., Tulsa, Okla. Games consisting of a plurality of playing pieces, etc. 393,950; Mar. 10; Serial No. 448,088; published Dec. 30, 1941. Class 22.
Walker-Matteson Company, assignor to Holmstrom-Pilcher Co., Joliet, Ill. Fruit jar rings. 157,238; renewed July 25, 1942.
Walker-Matteson Company, assignor to Holmstrom-Pilcher Co., Joliet, Ill. Cigars. 157,239; renewed July 25, 1942.
Walker Stetson Company, Boston, Mass. Articles of clothing. 151,995; renewed Feb. 14, 1942.
Weco Products Company. (See Western Bottle Manufacturing Company.)
West Disinfecting Company, Long Island City, N. Y. Chemically compounded solvent for degreasing, cleaning, and lubricating all types of metal parts, etc. 393,957; Mar. 10; Serial No. 448,212; published Dec. 30, 1941. Class 6.
West India Mfg. Co., The. (See Heinrichshofen, Robert.)
Western Bottle Manufacturing Company, Chicago, Ill., by change of name to Weco Products Company. Hair nets. 152,295; renewed Feb. 21, 1942.
Western Bottle Manufacturing Company, Chicago, Ill., by change of name to Weco Products Company. Toothbrushes. 154,178; renewed Apr. 4, 1942.
Western Bottle Manufacturing Company, Chicago, Ill., by change of name to Weco Products Company. Tooth, hair, nail, cloth, hat, and face brushes. 154,179; renewed Apr. 4, 1942.
Westfield Manufacturing Company, assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycles and parts thereof. 157,244; renewed July 25, 1942.
White, Clarence H., Nashua, N. H. Arch supports. 393,929; Mar. 10; Serial No. 447,600; published Dec. 30, 1941. Class 44.
Whiting Paper Company, Holyoke, Mass. Writing papers and mailing envelopes. 157,245; renewed July 25, 1942.
Whitson Products Co. Inc., New York and Brooklyn, N. Y. Cocoa mix. 394,001; Mar. 10. Class 46.
Whittenton Manufacturing Company, Taunton, Mass. Cotton piece goods. 156,468; renewed June 20, 1942.
Wilbur & Williams Company, The, Boston, Mass. Ready-mixed paint. 393,946; Mar. 10; Serial No. 448,025; published Dec. 30, 1941. Class 16.
Wilhelm, Herman, assignor to Novelty Slipper Co. Inc., New York, N. Y. Felt slippers. 155,869; renewed June 6, 1942.
Williams, R. C., & Company, Inc., New York, N. Y. Nonalcoholic and maltless beverages, club soda, and syrups. 393,862; Mar. 10; Serial No. 437,748; published Dec. 23, 1941. Class 45.
Williamson, F. E., doing business as the Paraloy Co., Chicago, Ill. Osmium base alloy. 393,983; Mar. 10; Serial No. 447,715; published Dec. 30, 1941. Class 14.
Wilson, Joseph P., doing business under the name of Robot Sales Co., Columbia, S. C. Literary works. 393,875; Mar. 10; Serial No. 443,446; published Dec. 16, 1941. Class 38.
Wincroft Stove Works, Middletown, Pa. Gas and coal stoves. 157,248; renewed July 25, 1942.
Winthrop Chemical Company, Inc., New York, N. Y. Vitamin bread enrichment tablets. 393,886; Mar. 10; Serial No. 445,512; published Oct. 14, 1941. Class 6.
Younghusband, James L., Chicago, Ill. Toilet soaps. 393,970; Mar. 10; Serial No. 448,487; published Dec. 30, 1941. Class 4.
Zonite Products Corporation, New York, N. Y. Moth-proofing composition. 393,988; Mar. 10; Serial No. 447,775; published Dec. 30, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Seed grains and field seeds. Terminal Grain Company. 393,856; Mar. 10; Serial No. 418,657; published Apr. 15, 1941.
Seeds and bulbs, Flower. J. D. Mooney. 393,874; Mar. 10; Serial No. 443,203; published Dec. 30, 1941.

CLASS 2

Bags, Garment. National Carbon Company. 393,987; Mar. 10; Serial No. 448,737; published Dec. 30, 1941.
Boxes and box shaped containers. I. H. Green. 393,920; Mar. 10; Serial No. 447,462; published Dec. 16, 1941.

CLASS 3

Handbags, suitcases, hat boxes, overnight cases, wardrobe cases, and trunks. Boyle Leather Goods Co. 393,864; Mar. 10; Serial No. 439,150; published Mar. 18, 1941.

CLASS 4

Preparation for the removal of wax and other foreign substances from surfaces of automobiles and other painted surfaces. Rinshed-Mason Company. 393,938; Mar. 10; Serial No. 447,892; published Dec. 30, 1941.
Soap. Hewitt Soap Company. 393,868; Mar. 10; Serial No. 442,039; published Dec. 30, 1941.
Soaps, Toilet. J. L. Younghusband. 393,970; Mar. 10; Serial No. 448,487; published Dec. 30, 1941.

CLASS 5

Cement, Adhesive shoe. Compo Shoe Machinery Corporation. 394,013; Mar. 10.

CLASS 6

Antiseptic, liniment, and counter-irritant. W. W. J. Gourlay. 393,978; Mar. 10; Serial No. 447,661; published Dec. 23, 1941.
Boiler compounds, soot destroyers, and rust solvents. E. H. Hufnagel. 393,854; Mar. 10; Serial No. 413,090; published Apr. 18, 1939.
Chemical compounds for waterproofing fabrics and textiles. Industrial Synthetics Incorporated. 393,975; Mar. 10; Serial No. 448,642; published Dec. 30, 1941.
Chemical preparations. McDougall & Yalding Ltd. 152,219–20; renewed Feb. 21, 1942.
Chemically compounded solvent for degreasing, cleaning, and lubricating all types of metal parts, etc. West Disinfecting Company. 393,957; Mar. 10; Serial No. 448,212; published Dec. 30, 1941.
Fungicides, insecticides, etc. McDougall & Yalding, Ltd. 154,317–18; renewed Apr. 11, 1942.
Liniment for horses. Dairy Association Company. 394,009; Mar. 10.
Lipstick. Dermetics, Inc. 393,965; Mar. 10; Serial No. 448,316; published Dec. 30, 1941.
Luminescent compositions. Luciphor, Inc. 393,971; Mar. 10; Serial No. 448,567; published Dec. 30, 1941.
Mascara preparation, applicator and eyelash curler, Combination. A. O. Hanisch. 393,979; Mar. 10; Serial No. 447,662; published Dec. 23, 1941.
Material for filling cavities in trees. A. F. W. Vick. 151,622; renewed Feb. 7, 1942.
Medicinal preparation. Crown Remedy Company. 152,144; renewed Feb. 21, 1942.
Medicinal preparations. A. P. Rodringuez. 393,881; Mar. 10; Serial No. 444,513; published Dec. 23, 1941.
Medicine. P. B. Oldham. 393,956; Mar. 10; Serial No. 448,203; published Dec. 23, 1941.
Medicine, Emollient antiseptic. Eucatol Company. 150,351; renewed Jan. 3, 1942.
Medicines, insecticides and disinfectants, Livestock and poultry. Pratt Food Company. 394,014; Mar. 10.
Moth-proofing composition. Zonite Products Corporation. 393,988; Mar. 10; Serial No. 447,775; published Dec. 30, 1941.
Perfumes and toilet water. Charles of the Ritz, Inc. 393,973; Mar. 10; Serial No. 448,601; published Dec. 30, 1941.
Perfumes, cologne, toilet water, face powder, dusting powder, etc. Lucien Lelong, Inc. 393,897–8; Mar. 10; Serial Nos. 446,326–7; published Dec. 23, 1941.
Perfumes, toilet waters, sachets, etc. Parfums Charbert, Inc. 393,968; Mar. 10; Serial No. 448,395; published Dec. 30, 1941.
Powder used for opening and cleaning clogged drains and grease traps. Radiator Specialty Company. 393,907; Mar. 10; Serial No. 446,890; published Dec. 23, 1941.
Preparation for treating erysipelas, cuts, bruises, burns, etc. Marcella Boyd, Garnette Mitchell and Grace Osborne. 393,931; Mar. 10; Serial No. 447,629; published Dec. 23, 1941.
Salve for the treatment of burns. M. Rothstein. 393,982; Mar. 10; Serial No. 448,708; published Dec. 30, 1941.
Salve, Medicinal. D. J. Perino. 393,922; Mar. 10; Serial No. 447,488; published Dec. 23, 1941.
Shampoo for animals, Liquid. T. W. Piatt. 393,935; Mar. 10; Serial No. 447,821; published Dec. 23, 1941.
Starch. Keever Starch Company. 394,015; Mar. 10.
Starch, Laundry. Keever Starch Company. 152,206; renewed Feb. 21, 1942.
Tonic, Horse. Dairy Association Company. 394,008; Mar. 10.
Vitamin bread enrichment tablets. Winthrop Chemical Company. 393,886; Mar. 10; Serial No. 445,512; published Oct. 14, 1941.
Vitamin preparation. Premo Pharmaceutical Laboratories, Inc. 393,930; Mar. 10; Serial No. 447,616; published Dec. 23, 1941.
Vitaminic preparations. E. R. Squibb & Sons. 393,969; Mar. 10; Serial No. 448,400; published Dec. 23, 1941.
Worm expellers, fly spray, and disinfectant powder. Moorman Manufacturing Company. 393,934; Mar. 10; Serial No. 447,817; published Dec. 23, 1941.

CLASS 7

Cords, twines, and ropes. Henry C. Kelley Company. 154,075; renewed Apr. 4, 1942.

CLASS 9

Torpedoes. E. T. Lednum. 393,991; Mar. 10.
Twine or cord used for igniting any ignitible article in contact therewith. Coast Manufacturing & Supply Co. 393,999; Mar. 10.

CLASS 10

Peat moss. Shafer-Haggart Ltd. 393,949; Mar. 10; Serial No. 448,060; published Dec. 23, 1941.

CLASS 11

Carbon paper. McCrory Stores Corporation. 393,879; Mar. 10; Serial No. 444,306; published Dec. 30, 1941.

CLASS 12

Buildings, Drive-in service. P. Legatz. 393,887; Mar. 10; Serial No. 445,525; published Dec. 16, 1941.
Cement, Masonry. H. Mc. Thomas. 394,005; Mar. 10.
Joists and concrete building blocks, Concrete. Concrete Building Units Company. 393,961; Mar. 10; Serial No. 448,282; published Dec. 23, 1941.
Material applicable to masonry, concrete and wood. A. F. Van Wolf. 393,945; Mar. 10; Serial No. 448,021; published Dec. 23, 1941.
Overpass, Portable. R. G. Letourneau, Inc. 393,918; Mar. 10; Serial No. 447,376; published Dec. 16, 1941.
Preparation for filling seams or joints. Estate of H. B. Fred. Kuhls. 393,928; Mar. 10; Serial No. 447,593; published Dec. 23, 1941.
Strips or other formed pieces, Dividing. Manhattan Terrazzo Strip Co. 394,011; Mar. 10.
Waterproofing compound. J. Irwin. 393,866; Mar. 10; Serial No. 440,007; published Dec. 16, 1941.

CLASS 13

Fasteners, Rotatable stud separable. Camloc Fastener Company. 393,936–7; Mar. 10; Serial Nos. 447,866–7; published Dec. 30, 1941.

CLASS 14

Alloy, Osmium base. F. E. Williamson. 393,983; Mar. 10; Serial No. 447,715; published Dec. 30, 1941.
Castings, Malleable-iron. Iowa Malleable Iron Company. 156,690; renewed July 11, 1942.
Iron and steel castings and forgings. General Motors Corporation. 393,916; Mar. 10; Serial No. 447,305; published Dec. 30, 1941.
Steel, Sheet. Bethlehem Steel Company. 157,003; renewed July 25, 1942.

CLASS 15

Additive in the nature of a lubricant. B. Cerf. 393,871; Mar. 10; Serial No. 442,546; published Dec. 16, 1941.
Candles. Norton Company. 151,351; renewed Jan. 31, 1942.
Oil, Break-in motor. Toledo Steel Products Company. 393,944; Mar. 10; Serial No. 448,016; published Dec. 23, 1941.
Oil for motor Diesel engines, Lubricating. Tide Water Associated Oil Company. 393,855; Mar. 10; Serial No. 414,048; published May 14, 1940.
Oil, Lubrication. United States Aviex Corporation. 393,860–1; Mar. 10; Serial Nos. 437,537–8; published Dec. 16, 1941.
Oils, Lubricating. Atlantic Refining Company. 393,951–2; Mar. 10; Serial Nos. 449,091–2; published Dec. 23, 1941.

CLASS 16

Paint, Ready-mixed. Wilbur & Williams Company. 393,946; Mar. 10; Serial No. 448,025; published Dec. 30, 1941.
Paints and water colors, Ready mixed or paste. A. P. Sickenberger. 393,976; Mar. 10; Serial No. 447,643; published Dec. 30, 1941.

CLASS 17

Cigars. Walker-Matteson Company. 157,239; renewed July 25, 1942.
Tobacco. G. Sachs. 393,890; Mar. 10; Serial No. 445,670; published Dec. 30, 1941.

CLASS 19

Aviation equipment. Pioneer Parachute Company. 393,888; Mar. 10; Serial No. 445,558; published Dec. 30, 1941.
Bicycles and parts thereof. Westfield Manufacturing Company. 157,244; renewed July 25, 1942.

CLASS 22

Dolls and marionettes. G. J. Pal. 393,876; Mar. 10; Serial No. 443,699; published Dec. 30, 1941.
Games. Volume Sprayer Manufacturing Co. 393,950; Mar. 10; Serial No. 448,088; published Dec. 30, 1941.
Golf clubs. Harry C. Lee & Co. 393,980–1; Mar. 10; Serial Nos. 448,677–8; published Dec. 30, 1941.
Toys. L. M. Hubert. 393,924; Mar. 10; Serial No. 447,511; published Dec. 30, 1941.

CLASS 23

Agricultural machinery and tractors and tractor hitches. International Harvester Company. 152,432–3; renewed Feb. 28, 1942.
Packing, envelope, bag and box machines. Aktiebolaget Gerh, Arehns Mekaniska Verkstad. 153,639; renewed Mar. 28, 1942.
Pipe vises and stocks and dies for pipe threading. Armstrong Manufacturing Co. 156,990; renewed July 25, 1942.

CLASS 24

Ironing machines. Altorfer Bros Company. 152,655; renewed Mar. 7, 1942.
Ironing pads. Sunlite Mfg. Company. 394,000; Mar. 10.

CLASS 25

Locks, latches, and padlocks. E. T. Fraim Lock Company. 157,066; renewed July 25, 1942.

CLASS 26

Photographic paper. Defender Photo Supply Co. 157,041; renewed July 25, 1942.

CLASS 27

Watches. Union Horlogère S. A. 144,644; renewed July 12, 1942.

CLASS 28

Jewelry. Abel Bros. & Co. Inc. 156,606; renewed July 11, 1942.

CLASS 29

Brushes, handled brushes, hair brushes, etc., Men's military. A. G. Dudley. 393,926; Mar. 10; Serial No. 447,559; published Dec. 23, 1941.
Brushes, Tooth, hair, nail, cloth, hat, and face. Western Bottle Manufacturing Company. 154,179; renewed Apr. 4, 1942.
Toothbrushes. Western Bottle Manufacturing Company. 154,178; renewed Apr. 4, 1942.

CLASS 31

Ice making and refrigerating machinery. De La Vergne Machine Company. 151,113; renewed Jan. 24, 1942.

CLASS 32

Furniture, Living room, bed room, and dining room. Marshall Field & Company. 393,986; Mar. 10; Serial No. 447,733; published Dec. 30, 1941.
Mattresses, Felt. International Bedding Company. 155,724–5; renewed June 6, 1942.
Table tops, Porcelain enameled steel. Porcelain Enamel Institute, Inc. 393,869; Mar. 10; Serial No. 442,243; published Dec. 30, 1941.

CLASS 34

Fire fenders, furnace bars. Hadfields Limited. 157,091; renewed July 25, 1942.
Heaters, Automatic storage gas water. E. R. Parker. 393,913; Mar. 10; Serial No. 447,250; published Dec. 30, 1941.
Stoves, Gas and coal. Wincroft Stove Works. 157,248; renewed July 25, 1942.

CLASS 35

Brake lining and clutch facings. Asbestos Manufacturing Company. 393,901–2; Mar. 10; Serial Nos. 446,609–10; published Dec. 30, 1941.
Fruit-jar rings. Walker-Matteson Company. 157,238; renewed July 25, 1942.
Tire retreads. General Tire & Rubber Company. 156,869; renewed July 18, 1942.

CLASS 37

Books for addresses and memorandums, Blank. Simplex Binder Co. 393,883; Mar. 10; Serial No. 445,018; published Dec. 30, 1941.
Paper. Ditto, Incorporated. 393,870; Mar. 10; Serial No. 442,522; published June 10, 1941.
Paper, Mimeograph. International Paper Company. 393,908; Mar. 10; Serial No. 446,948; published Dec. 30, 1941.
Paper used for bank checks, drafts, tickets, etc., Safety. George La Monte & Son. 393,858; Mar. 10; Serial No. 428,557; published Dec. 2, 1941.
Papers and mailing envelopes, Writing. Whiting Paper Company. 157,245; renewed July 25, 1942.
Pencils. Louis F. Dow Company. 393,892; Mar. 10; Serial No. 445,889; published Dec. 30, 1941.

CLASS 38

Bulletin in the nature of a house organ. Scott Paper Company. 393,994; Mar. 10.
Bulletins, Facsimile. Bamberger Broadcasting Service, Incorporated. 393,853; Mar. 10; Serial No. 405,189; published Dec. 30, 1941.
Cartoon. C. M. Gaines. 393,880; Mar. 10; Serial No. 444,496; published Dec. 23, 1941.
Comic strip feature. Ace Magazines, Inc. 393,939; Mar. 10; Serial No. 447,899; published Dec. 16, 1941.
Drawings, Comic. NEA Service, Inc. 393,958; Mar. 10; Serial No. 448,227; published Dec. 30, 1941.
Lesson sheets, books, manuals, Printed. International Schools Company of Latin America. 394,006–7; Mar. 10.
Literary works. J. P. Wilson. 393,875; Mar. 10; Serial No. 443,446; published Dec. 16, 1941.
Magazine. Country Press, Inc. 393,872–3; Mar. 10; Serial Nos. 442,588–9; published Dec. 16, 1941.
Magazine. Curtiss-Wright Corporation. 393,977; Mar. 10; Serial No. 447,659; published Dec. 30, 1941.
Magazine. Detective Comics, Inc. 393,984–5; Mar. 10; Serial Nos. 447,725–6; published Dec. 16, 1941.
Magazine. Good Food Publishing Co. 393,998; Mar. 10.
Newspaper. Pioneer Publishing Company. 393,906; Mar. 10; Serial No. 446,760; published Dec. 30, 1941.
Newspapers. Parade Publication, Inc. 393,911–12; Mar. 10; Serial Nos. 447,000–1; published Dec. 23, 1941.
Periodical. R. R. Bowker Company. 393,903; Mar. 10; Serial No. 446,689; published Dec. 23, 1941.
Periodical. R. R. Bowker Company. 393,904–5; Mar. 10; Serial Nos. 446,728–9; published Dec. 23, 1941.
Periodical. Civic Education Service. 393,910; Mar. 10; Serial No. 446,991; published Dec. 16, 1941.
Periodical. Transcontinental & Western Air, Inc. 393,865; Mar. 10; Serial No. 439,258; published Dec. 16, 1941.
Periodicals. G. E. Corby. 393,909; Mar. 10; Serial No. 446,964; published Dec. 16, 1941.
Program skits for radio stations. E. Brisacher. 393,932; Mar. 10; Serial No. 447,792; published Dec. 23, 1941.
Publication. Atlas Publishing Company. 394,004; Mar. 10.
Publication. Bastian-Morley Co. Inc. 393,947; Mar. 10; Serial No. 448,026; published Dec. 30, 1941.
Publication. Retail Publications, Inc. 393,997; Mar. 10.
Section of a newspaper. W. Brown. 393,989; Mar. 10; Serial No. 448,779; published Dec. 30, 1941.
Section or column in daily and Sunday newspapers, United Press Associations. 393,921; Mar. 10; Serial No. 447,474; published Dec. 30, 1941.

CLASS 39

Aprons. R. H. Macy & Co. 154,620; renewed Apr. 18, 1942.
Articles of clothing. Hicks-Hayward Company. 156,295; renewed June 20, 1942.
Articles of clothing. William Hollins & Company. 150,851; renewed Jan. 10, 1942.
Articles of clothing. Walker Stetson Company. 151,995; renewed Feb. 14, 1942.
Boots, shoes, and slippers. J. J. Grover's Sons Company. 157,080; renewed July 25, 1942.
Boots, shoes and slippers. Thomas G. Plant Company. 157,177–8; renewed July 25, 1942.
Caps, jackets, neckties, outer shirts, etc. Future Farmers of America, Inc. 393,884; Mar. 10; Serial No. 445,049; published Dec. 23, 1941.
Gloves and hosiery. Moss Glove & Hosiery Co. 156,354; renewed June 20, 1942.
Hair nets. Western Bottle Manufacturing Company. 152,295; renewed Feb. 21, 1942.
Neckties, Bow. Hewes & Potter. 154,573; renewed Apr. 18, 1942.
Shoe soles and heels. General Tire & Rubber Company. 156,259; renewed June 20, 1942.
Shoes. Brown Shoe Company. 157,012; renewed July 25, 1942.
Shoes. Buck Shoe Corporation. 393,940; Mar. 10; Serial No. 447,904; published Dec. 23, 1941.
Shoes. Craddock-Terry Company. 157,035; renewed July 25, 1942.
Shoes. J. S. Hall's Sons. 157,092; renewed July 25, 1942.
Slippers, Felt. H. Wilhelm. 155,869; renewed June 6, 1942.
Soles and heels. Essex Rubber Company. 157,052; renewed July 25, 1942.
Suits, dresses, coats, skirts, etc. Strouse-Baer Co. 157,212; renewed July 25, 1942.
Undergarments, and sanitary pantalettes. I. B. Kleinert Rubber Company. 157,120; renewed July 25, 1942.
Visor for hats and caps. Mutual Cap Fronts, Inc. 393,895; Mar. 10; Serial No. 446,169; published Dec. 23, 1941.
Visors for hats and caps. Mutual Cap Fronts, Inc. 393,896; Mar. 10; Serial No. 446,171; published Dec. 23, 1941.

CLASS 40

Shields. Dress. I. B. Kleinert Rubber Company. 393,995–6; Mar. 10.

CLASS 42

Cloths and stuffs of wool, worsted, or hair. Cohen & Wilks, Limited. 393,867; Mar. 10; Serial No. 440,152; published Dec. 23, 1941.
Cotton, linen, and half-silk piece goods. Aktiengesellschaft Cilander. 156,977; renewed July 25, 1942.
Cotton, linen, and half-silk piece goods. Aktiengesellschaft Cilander. 156,980; renewed July 25, 1942.
Cotton piece goods. Hill Manufacturing Co. 156,296; renewed June 20, 1942.

Cotton piece goods. Whittenton Manufacturing Company. 156,468; renewed June 20, 1942.
Fabrics in the piece made of silk, satin, etc., Elastic. Rosenstein Bros. 393,882; Mar. 10; Serial No. 444,547; published Dec. 16, 1941.
Fabrics in the piece of silk, rayon, etc., Textile. Folker Fabrics, Inc. 393,917; Mar. 10; Serial No. 447,328; published Dec. 23, 1941.
Fabrics in the piece, Woven, knitted, netted, textile and pile. Cheney Brothers. 393,960; Mar. 10; Serial No. 448,279; published Dec. 23, 1941.
Fabrics sold in the piece or cut lengths, Cotton textile. L. W. Guild Company. 393,948; Mar. 10; Serial No. 448,049; published Dec. 23, 1941.
Piece goods. Celanese Corporation of America. 393,899; Mar. 10; Serial No. 446,450; published Nov. 25, 1941.
Piece goods. Celanese Corporation of America. 393,943; Mar. 10; Serial No. 447,996; published Dec. 16, 1941.
Piece goods. Lewis Manufacturing Co. 157,128; renewed July 25, 1942.
Piece goods. M. Lowenstein & Sons, Inc. 393,959; Mar. 10; Serial No. 448,258; published Dec. 23, 1941.
Piece goods for apparel made of rayon, cotton, wool, etc. Riley Company. 393,885; Mar. 10; Serial No. 445,244; published Dec. 23, 1941.
Sheets, pillowcases, and bolster cases, known as bed sets, Bed. Royle Craven Company. 157,036; renewed July 25, 1942.
Textile fabrics. Wm. Anderson Textile Mfg. Co. 152,114; renewed Feb. 21, 1942.

CLASS 44

Arch supports. C. H. White. 393,929; Mar. 10; Serial No. 447,600; published Dec. 30, 1941.
Heating pads for therapeutic use, Electrical. Casco Products Corporation. 393,859; Mar. 10; Serial No. 435,527; published Dec. 30, 1941.
Pads, Machineless hair waving. Bonat & Bonat, Inc. 393,894; Mar. 10; Serial No. 446,159; published Dec. 30, 1941.
Respirator cartridges. Mine Safety Appliances Company. 393,972; Mar. 10; Serial No. 448,571; published Dec. 30, 1941.
Teeth, Artificial. Dentists' Supply Company of New York. 393,857; Mar. 10; Serial No. 423,493; published Oct. 17, 1939.

CLASS 45

Beverage. L. O. Schneeberger. 393,962; Mar. 10; Serial No. 448,304; published Dec. 23, 1941.
Beverage, Cider. Century Fruit Corporation. 393,877; Mar. 10; Serial No. 443,835; published Dec. 30, 1941.
Beverages. Canada Dry Ginger Ale, Incorporated. 393,966; Mar. 10; Serial No. 448,357; published Dec. 23, 1941.
Beverages, club soda, and syrups. R. C. Williams & Company. 393,862; Mar. 10; Serial No. 437,748; published Dec. 23, 1941.
Extracts, colors and flavors for soft drinks. R. Heinrichshofen. 156,876 renewed July 18, 1942.
Fruit juices. S. Terry. S. Terry. 393,852; Mar. 10; Serial No. 402,450; published Nov. 7, 1939.

CLASS 46

Beans, Baked. E. H. McHugh. 393,925; Mar. 10; Serial No. 447,524; published Dec. 30, 1941.
Candies and ice cream. Pangburn Company. 157,170; renewed July 25, 1942.
Canned apples. Fruit Belt Preserving Company. 394,002; Mar. 10.
Canned citrus fruit juices. W. B. Haggerty, Inc. 393,941; Mar. 10; Serial No. 447,911; published Dec. 30, 1941.
Canned dehydrated cranberries. Colley Cranberry Company. 393,964; Mar. 10; Serial No. 448,315; published Dec. 30, 1941.
Canned fish. Oxnard Canners, Inc. 393,942; Mar. 10; Serial No. 447,950; published Dec. 30, 1941.
Canned fruits, vegetables, tomato soup, etc. C. D. Kenny Company. 393,955; Mar. 10; Serial No. 448,139; published Dec. 30, 1941.
Canned goods. Miglioretti Brothers. 393,953; Mar. 10; Serial No. 448,111; published Dec. 30, 1941.
Canned soups. F. Castelli. 393,967; Mar. 10; Serial No. 448,358; published Dec. 30, 1941.
Cereal breakfast food. Twin City Wholesale Grocer Company. 393,914; Mar. 10; Serial No. 447,259; published Dec. 30, 1941.
Cocoa mix. Whitson Products Co. Inc. 394,001; Mar. 10.
Cookies, Lecithin filled. American Lecithin Company. 393,954; Mar. 10; Serial No. 448,127; published Dec. 30, 1941.
Extract, Malt. Pabst Corporation. 156,902; renewed July 18, 1942.
Feed concentrates and mineral feeds. Moorman Manufacturing Company. 393,933; Mar. 10; Serial No. 447,816; published Dec. 30, 1941.
Feed, Poultry. G. F. Obrecht. 394,003; Mar. 10.
Flour, Wheat. Harligen Brokerage Company. 393,863; Mar. 10; Serial No. 438,041; published July 29, 1941.
Flour, Wheat. Frank R. Prina Corporation. 151,916; renewed Feb. 14, 1942.
Flour, Wheat. Russell-Miller Milling Co. 152,977; renewed Mar. 7, 1942.
Food products. Albers Packing Company. 393,919; Mar. 10; Serial No. 447,421; published Dec. 30, 1941.
Fruits, Fresh deciduous. United Fruit Growers Association. 393,891; Mar. 10; Serial No. 445,674; published Dec. 30, 1941.
Fruits, Fresh deciduous. United Fresh Fruit & Vegetable Association. 393,915; Mar. 10; Serial No. 447,260; published Dec. 30, 1941.
Honey, butter, cheese, and dressed poultry. E. Hallman. 393,893; Mar. 10; Serial No. 446,109; published Oct. 7, 1941.
Lard and dry salt and sweet-pickled pork. Fowler Packing Company. 151,765; renewed Feb. 14, 1942.
Milk and cream. Holstein-Friesian Association of America. 393,993; Mar. 10.
Potatoes, Kiln dried sweet. C. W. Robertson. 393,927; Mar. 10; Serial No. 447,575; published Dec. 30, 1941.
Sandwich roll. Frantz Home Bakers, Inc. 393,878; Mar. 10; Serial No. 444,147; published Dec. 30, 1941.
Sandwiches. Malcolm Medill and Leighton C. Medill. 393,889; Mar. 10; Serial No. 445,585; published Dec. 23, 1941.
Sandwiches, Hamburger. H. Akin. 394,010; Mar. 10.
Sausage, potted meats and cereals, corned-beef hash. Jacob E. Decker & Sons. 151,733; renewed Feb. 14, 1942.
Tea. L. H. Parke & Co. 21,432; re-renewed July 12, 1942.
Tea and coffee. J. A. Folger & Co. 151,761; renewed Feb. 14, 1942.
Vegetable oil products. Felten & Sons, Inc. 393,851; Mar. 10; Serial No. 385,285; published Dec. 30, 1941.

CLASS 48

Alcoholic extract for use in beer and ale, Potable. R. Cairone. 394,012; Mar. 10.
Fermented beverage brewed from malt and other cereals and hops. Stegmaier Brewing Company. 393,923; Mar. 10; Serial No. 447,496; published Dec. 23, 1941.
Malt cereal beverages. General Brewing Corporation. 393,992; Mar. 10.
Malt beverage, Non-alcoholic. A. Ortiz. 393,974; Mar. 10; Serial No. 448,620; published Dec. 30, 1941.
Malt beverages. Berghoff Brewing Corporation. 393,963; Mar. 10; Serial No. 448,312; published Dec. 23, 1941.

CLASS 50

Container closures. Crown Cork & Seal Company. 393,900; Mar. 10; Serial No. 446,538; published Nov. 4, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Electrical Heater Company. (See Kuhn, F., and Thomas.)
Fellmer, Ernst, Leverkusen-I.G.-Werk, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs containing a heavy metal in complex form. Re. 22,046; Mar. 10.
General Aniline & Film Corporation. (See Fellmer, Ernst, assignor.)
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Smoke accumulator for fire detecting system. Re. 22,047; Mar. 10.
Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electric iron. Re. 22,048; Mar. 10.
Specialties Development Corporation. (See Grant, Harry C., Jr., assignor.)
Thomas, Laurence H. (See Kuhn, F. and T.)
Tinnerman, George A., assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Spring fastener. Re. 22,049; Mar. 10.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

LIST OF DESIGN PATENTEES

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Bracelet. 131,585; Mar. 10.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Bracelet. 131,586; Mar. 10.
Barofsky, Jack, Los Angeles, Calif. Range. 131,547; Mar. 10.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 131,499; Mar. 10.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 131,500; Mar. 10.
Bell, Otie R. (See Davis, E. J., and Bell.)
Bergman, Gus E., Columbus, Nebr. Sandal. 131,587; Mar. 10.
Borchers, George. (See Stoner, H. B., and Borchers.)
Brooks, Frances A. (See Lind, F., and Brooks.)
Cantrell, Frank J., San Francisco, Calif. Badge. 131,548; Mar. 10.
Carlson, Benjamin, New York, N. Y. Brooch or similar article. 131,588; Mar. 10.
Carlson, Clarence G., Oakland, Calif. Laundry washer. 131,549; Mar. 10.
Carty, Charles Armstrong, Earlville, Iowa. Game board. 131,501; Mar. 10.
Caulk, John R., Jr., Ladue, and Russell E. Davis, St. Louis, assignors to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display case. 131,502; Mar. 10.
Chrysler Corporation. (See Wald, Samuel K., assignor.)
Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)
Crane Co. (See Dreyfuss, Henry, assignor.)
Cutler, Elizabeth, New York, N. Y. Dress. 131,598; Mar. 10.
Cutler, Elizabeth, New York, N. Y. Dress. 131,607; Mar. 10.
Cutler, Elizabeth, New York, N. Y. Dress. 131,608; Mar. 10.
Davis, Emery J. and O. R. Bell, Memphis, Tenn.; said Bell assignor to said Davis. Lapel pin or similar article. 131,589; Mar. 10.
Davis, Russell E. (See Caulk, John R., Jr., and Davis.)
De Pasquale, Sabina, New York, N. Y. Dress. 131,599; Mar. 10.
Dinkel, Raymond A. (See Karabin, E. V., and Dinkel.)
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Robe hook or the like. 131,503; Mar. 10.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Soap dish. 131,504; Mar. 10.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Toothbrush holder or the like. 131,505; Mar. 10.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Towel bar or the like. 131,506; Mar. 10.
Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Combination tumbler and toothbrush holder. 131,507; Mar. 10.
Eddy, George D., San Gabriel, Calif. Combined roaster and broiler or similar article. 131,508; Mar. 10.
Eisenberg Jewelry, Inc. (See Nathan, Florence, assignor.)
Elmo, Sadie, New York, N. Y. Dress ensemble. 131,609; Mar. 10.
Fulton, Roy R., Bridgeport, Ohio. Hall tree. 131,509; Mar. 10.
Funston, Will, New York, N. Y. Tablecloth or similar article. 131,574; Mar. 10.
Gruber, Abe, New York, N. Y. Suit. 131,596; Mar. 10.
Hess, Lester L., New York, N. Y. Brooch. 131,510; Mar. 10.
Hewitt Soap Company, The. (See Stoner, H. B., and Borchers, assignors.)
Hirsch, Frank, New York, N. Y. Shoe or similar article. 131,550; Mar. 10.
Holden, John W. W., Providence, R. I. Hair roll. 131,600; Mar. 10.
Horn, Edward L., New York, N. Y. Dress. 131,610; Mar. 10.
Hoshall, Earl S., New York, N. Y. Textile fabric. 131,575; Mar. 10.
Houdaille-Hershey Corporation. (See Walker, George W., assignor.)
Hussmann-Ligonier Company. (See Caulk, John R., Jr., and Davis, assignors.)
Jenkinson, Robert W., New York, N. Y. Pin. 131,511; Mar. 10.
Julianelli, Charles A. (See Julianelli, Mabel and C. A.)
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,512; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,513; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,514; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,551; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,552; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,553; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,554; Mar. 10.
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,555; Mar. 10.
Julianelli, Charles A. (See Julianelli, Mabel and C. A.)
Kaperst, Philip, New York, N. Y. Dress. 131,601; Mar. 10.
Kaperst, Philip, New York, N. Y. Dress. 131,602; Mar. 10.
Kaperst, Philip, New York, N. Y. Dress. 131,611; Mar. 10.
Kaperst, Philip, New York, N. Y. Dress. 131,612; Mar. 10.
Karabin, Edward V., Wilkinsburg, and Raymond A. Dinkel, Mount Oliver, assignors to Mine Safety Appliance Company, Pittsburgh, Pa. Combined respirator and face shield. 131,556; Mar. 10.
Kaufman, Paul, New York, N. Y. Brooch or similar article. 131,590; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,515; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,516; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,517; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,518; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,519; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,520; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,521; Mar. 10.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,522; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,523; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch. 131,524; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,525; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,526; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,558; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,559; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,560; Mar. 10.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,561; Mar. 10.
Keller, Leonard, Ferndale, assignor to The Murray Corporation of America, Detroit, Mich. Tractor. 131,591; Mar. 10.
Keene, Otis E., Bronx, N. Y. Game dart. 131,527; Mar. 10.
La Manca, Nicola, Cumberland, Md. Work shoe. 131,528; Mar. 10.
Lewis, Florence N., New York, N. Y. Handbag. 131,562;
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,576; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,577; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,578; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,579; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,580; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,592; Mar. 10.
Lind, Frances and Frances A. Brooks, New York, N. Y. Textile fabric. 131,593; Mar. 10.
Maisch, Jacques E., New York, N. Y. Textile fabric. 131,581; Mar. 10.
Maisch, Jacques E., New York, N. Y. Textile fabric. 131,582; Mar. 10.
McCoy, Marion, St. Louis, Mo. Dress. 131,613; Mar. 10.
McGee, Mary C., Hempstead, N. Y. Tablecloth or similar article. 131,583; Mar. 10.
Mesh, Nathan S., New York, N. Y. Sweater. 131,594; Mar. 10.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 131,529; Mar. 10.
Miller Company, The. (See Naysmith, Shirley R., assignor.)
Mine Safety Appliances Company. (See Karabin, E. V., and Dinkel, assignors.)
Murray Corporation of America, The. (See Keller, Leonard, assignor.)
Nathan, Florence, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill. Pin or similar article. 131,530; Mar. 10.
Nathan, Florence, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill. Pin or similar article. 131,531; Mar. 10.
Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 131,532; Mar. 10.
Philippe, Alfred, New York, N. Y. Jewelry finding. 131,533; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,534; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,535; Mar. 10.
Philippe, Alfred, New York, N. Y. Jewelry finding. 131,536; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,537; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,538; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,539; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,563; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,564; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,565; Mar. 10.
Philippe, Alfred, New York, N. Y. Jewelry finding. 131,566; Mar. 10.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,567; Mar. 10.
Phillips, Rachel E., Cleveland, Ohio. Paneled doll or similar article. 131,540; Mar. 10.
Roberson, Willard D., New York, N. Y. Textile fabric. 131,584; Mar. 10.
Shotland, Abraham, New York, N. Y. Suit. 131,597; Mar. 10.
Silverman, Max, Brooklyn, N. Y. Brooch or similar article. 131,568; Mar. 10.
Stoner, Harold B. and G. Borchers, assignors to The Hewitt Soap Company, Inc., Dayton, Ohio. Bar of soap. 131,541; Mar. 10.
Sutcliffe, Harry Le Roy, New York, N. Y. Shoe. 131,569; Mar. 10.
Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)
Vivier, Roger, New York, N. Y. Shoe. 131,542; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,543; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,544; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,545; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,546; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,570; Mar. 10.
Vivier, Roger, New York, N. Y. Shoe. 131,571; Mar. 10.
Wald, Samuel K., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined automobile instrument panel and door interior molding. 131,595; Mar. 10.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 131,572; Mar. 10.
Zahn, Samuel, New York, N. Y. Dress. 131,603; Mar. 10.
Zahn, Samuel, New York, N. Y. Dress. 131,604; Mar. 10.
Zahn, Samuel, New York, N. Y. Dress. 131,605; Mar. 10.
Zahn, Samuel, New York, N. Y. Dress. 131,606; Mar. 10.
Zahn, Samuel, New York, N. Y. Dress ensemble. 131,614; Mar. 10.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 131,573; Mar. 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Ravenscroft, E. A., and Tammi, assignors.)
Abegg & Reinhold Co., Ltd. (See Abegg, Walter A., assignor.)
Abegg, Walter A., assignor to Abegg & Reinhold Co., Ltd., Los Angeles, Calif. Bushing supporting means for oil well rigs. 2,275,813; Mar. 10.
Abrams, Allen, G. W. Forcey, Wausau, and C. L. Wagner, Menasha, assignors to Marathon Paper Mills Company, Rothschild, Wis. Coated sheet material. 2,275,814; Mar. 10.
Ackermann, Franz. (See Graenacher, C., Ackermann, and Bruengger.)
Acme Staple Company. (See Olsen, Oscar E., assignor.)
Adams, Walcott M., Clifton, N. J. Boiler draft control. 2,275,833; Mar. 10.
Addressograph Multigraph Corporation. (See Hueber, Carl J., assignor.)
Aetna-Standard Engineering Company, The. (See Dahlstrom, Frank P., assignor.)
Ahlborg, John E., assignor to Plomocite Products, Inc., Denver, Colo. Windshield scraper. 2,275,713; Mar. 10.
Ainsworth Manufacturing Company. (See Enberg, S. R., Walsh, and Scheuring, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Meyer, Adolf, assignor.)
Albaugh, William A., III. (See Bailey, J. E., and Albaugh.)
Alden, Milton, Brockton, Mass. Radio socket. 2,275,484; Mar. 10.
Alderman, Van Vernon, Arden, and W. E. Hanford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinylaryl esters. 2,276,138; Mar. 10.
Alexander, James F., Indian Orchard, Mass. Antiskid apparatus. 2,275,834; Mar. 10.
Allen, Charles F. H. (See Carroll, B. H., and Allen.)
Allenby, William F., Stratford, Conn., assignor to General Electric Company. Household mixing device. 2,275,878; Mar. 10.
Allen-Sherman-Hoff Company, The. (See Pursel, Harold R., assignor.)
Alliance Manufacturing Company, The. (See Schneider, Emmor V., assignor.)
Allied Chemical & Dye Corporation. (See Fleysher, M. H., and Ogilvie, assignors.)
Alliss, Charles C., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 2,275,408; Mar. 10.
AlnCin, Inc. (See Beck, E. W., and Walker, assignors.)
Aluminum Company of America. (See Bernard, George S., Jr., assignor.)
Aluminum Company of America. (See Sharlow, Irving L., assignor.)
Aluminum Company of America. (See Sturm, R. G., and Jeffries, assignors.)
American Bank Note Company. (See Menihan, Hugh, assignor.)
American Brake Company, The. (See Mueller, Emil G., assignor.)
American Brake Shoe and Foundry Company, The. (See Spokes, Ray E., assignor.)
American Can Company. (See Boone, Daniel R., assignor.)
American Can Company. (See Gray, James A., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Magill, Donald G., assignor.)
American Can Company, The. (See Hopkins, Harvey C., assignor.)
American Chain & Cable Company. (See Reyburn, John R., assignor.)
American Chemical Paint Company. (See Jones, Franklin D., assignor.)
American Cyanamid Company. (See Dixon, James K., assignor.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See West, Herbert J., assignor.)
American District Telegraph Company. (See Evans, Francis C., assignor.)
American District Telegraph Company. (See Muehter, Manfred W., assignor.)
American Forging & Socket Company. (See Saunders, Walter S., assignor.)
American Foundry Equipment Company, The. (See Hobson, Lloyd L., assignor.)
American Foundry Equipment Company, The. (See Unger, Chester E., assignor.)
American Hard Rubber Company. (See King, Harold D., assignor.)
American Hard Rubber Company. (See Reppert, Roland, assignor.)
American Hard Rubber Company. (See Reppert, R., and Johnson, assignors.)
American Hyalsol Corporation. (See Bertsch, Heinrich, assignor.)
American Laundry Machinery Company, The. (See Johnson, Oscar W., assignor.)
American Machine & Foundry Company. (See Newman, Max M., assignor.)
American Spectacle Co. Inc. (See Strauss, Leo, assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Stove Company. (See Brodbeck, A. H., and Kahler, assignors.)
American Stove Company. (See Stockstrom, A., Burnside, and Kahler, assignors.)
American Thermometer Company. (See Tebben, Henry A., assignor.)
American Viscose Corporation. (See Miller, J. W., and Thrasher, assignors.)
Ames, Evelyn H., executrix. (See Ames, John F., assignor.)
Ames, John F., Selma, Ala., deceased, E. H. Ames, executrix. Square bottom bag. 2,275,485; Mar. 10.
Anaconda Wire & Cable Company. (See Keillor, E. M., and Hasse, assignors.)
Anderson, Arthur A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser. 2,275,409; Mar. 10.
Anderson, Arthur A., Rose Township, Ramsey County, and R. H. Munson, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Automatic adhesive sheet dispenser. 2,275,410; Mar. 10.
Anderson, Hilding, New Britain, and S. Hart, Kensington, assignors to Tuttle & Bailey Incorporated, New Britain, Conn. Frame. 2,276,139; Mar. 10.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system for passenger vehicles. 2,275,879; Mar. 10.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,275,671; Mar. 10.
Andren, Karl H., and R. T. Baird, assignors to Artos Engineering Company, Milwaukee, Wis. Conductor terminal. 2,276,140; Mar. 10.
Andrews, John S. (See Sherwood, R. C., and Andrews.)
Andrews Steel Company, The. (See McCaslin, John P., assignor.)
Andrus, Hamlin F., et al. (See Gelbman, L., Olsen, and Mays, assignors.)
Andrus, Joseph M., assignor to Utah Radio Products Company, Chicago, Ill. Supporting means for speaker voice coils. 2,275,598; Mar. 10.
Anetsberger Brothers. (See Anetsberger, F. A., and Whitehead.)
Anetsberger, Frank A., Chicago, and D. H. Whitehead, Oak Park, assignors to F. A. and W. A. Anetsberger, a co-partnership doing business as Anetsberger Brothers, Chicago, Ill. Dough sheeter. 2,275,714; Mar. 10.
Anetsberger, William A., et al. (See Anetsberger, F. A., and Whitehead, assignors.)
Ansbacher Siegle Corporation. (See Thomasset, Paul A., assignor.)
Applegate, Lindsay M. (See Varian, R. H., Hansen, and Applegate.)
Arbuckle, S. F., Management Corporation. (See Arbuckle, Samuel F., assignor.)
Arbuckle, Samuel F., Highland Park, assignor, by mesne assignments, to S. F. Arbuckle Management Corporation, Detroit, Mich. Novelty sign. 2,275,934; Mar. 10.
Arey, Ralph G., Swampscott, Mass., assignor to General Electric Company. Magnetic structure. 2,275,880; Mar. 10.
Armitage, Glen, Jr. (See Armitage, Glen, Sr.)
Armitage, Glen, Sr., and G. Armitage, Jr., Redwood Falls, Minn. Aircraft propeller construction. 2,275,599; Mar. 10.

Armour and Company. (See Maurer, S., and Wiles, assignors.)
Armstrong, Edwin H., New York, N. Y. Relaying frequency modulated signals. 2,275,486; Mar. 10.
Armstrong, Edwin H., New York, N. Y. Radio rebroadcasting system. 2,276,008; Mar. 10.
Arnold, Gerald D., Wauwatosa, Wis. Material showering flight. 2,275,600; Mar. 10.
Arrow-Hart & Hegeman Electric Company, The. (See Bentley, Robert H., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Dietrich, Walter L., and Bentley, assignors.)
Artos Engineering Company. (See Andren, K. H., and Baird, assignors.)
Ashe, Marsellus T., Garden City, N. Y. Dishwasher. 2,275,411; Mar. 10.
Ashley, John W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Means for use in shaping uppers over lasts. 2,275,487; Mar. 10.
Aske, Irving E., Muskegon Heights, Mich. Internal combustion engine cylinder head. 2,275,715; Mar. 10.
Associated Electric Laboratories, Inc. (See Cox, Irvin W., assignor.)
Atkinson, Truman L., Ludington, Mich. Shoe rack. 2,276,141; Mar. 10.
Atwood, Harry G., Peoria, Ill. Process for purifying and deodorizing alcoholic liquids. 2,276,142; Mar. 10.
Audubon Wire Cloth Corporation. (See Scherfel, Otto C., assignor.)
Austin, Ellsworth W., and H. W. Rockwell, assignors to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth mover. 2,275,601; Mar 10.
Au-Temp-Co Corporation. (See Midyette, John T., Jr. assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Automatic File & Index Co. (See Houston, E. R., Dachlet and Hauser, assignors.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Babcock & Wilcox Company, The. (See Carpenter, Otis R., assignor.)
Babcock & Wilcox Company, The. (See Dewald, Edward A., assignor.)
Babcock & Wilcox Company, The. (See Gay, Cecil H., assignor.)
Babcock & Wilcox Company, The. (See Maxwell, Carl A., assignor.)
Babcock & Wilcox Company, The. (See Schwartz, Sidney T., assignor.)
Bachman, Gustave B., La Fayette, Ind., and C. N. Behrndt, assignors to Eastman Kodak Company, Rochester, N. Y. Process of casting plastic sheeting. 2,275,716; Mar. 10.
Bachmann, Frank J., Chicago, Ill. Automatic turn signal. 2,275,488; Mar. 10.
Backus, Clyde H., Marion, and A. M. Donato, Wareham, Mass., assignors to Radio Corporation of America. Alarm system. 2,275,940; Mar. 10.
Bailey, James E., and W. A. Albaugh, III, Richmond, Va. Stationary support. 2,275,489; Mar. 10.
Bailey Meter Company. (See Ryder, John D., assignor.)
Baillie, Wallace E., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car construction. 2,275,717; Mar. 10.
Baird, Russell T. (See Andren, K. H., and Baird.)
Bakelite Corporation. (See Catlow, W. R., Jr., and Wakefield, assignors.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Childers, Roscoe O., assignor.)
Baker Oil Tools, Inc. (See Hannon, Edward F., Jr., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Los Angeles, Calif. Well packer apparatus. 2,275,935; Mar. 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing bridging device. 2,275,936; Mar. 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Cementing device for well casings. 2,275,937; Mar. 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Control valve. 2,275,938; Mar. 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing scraper. 2,275,939; Mar. 10.
Baldwin, Philip S., Florence, Italy. Hydraulic brake master cylinder. 2,276,009; Mar. 10.
Baldwin Rubber Company. (See Frank, B. K., Pryale, Smith, and Paxton, assignors.)
Baldwin Rubber Company. (See Vrooman, William S., assignor.)
Ball Brothers Company. (See Mingle, Joseph P., assignor.)
Balmert, Clemens A., Hackensack, R. D. Drinkard, Maywood, and G. N. Harcourt, Buffalo, assignaors to Citro Chemical Co. of America, Maywood, N. J. Extraction of theobromine. 2,275,835; Mar. 10.
Baltimore Paint & Color Works, Inc. (See Shuger, Leroy W., assignor.)
Bandy, B. J. (See Windham, Roy H., assignor.)
Banning, Frederick D., Los Angeles, Calif., assignor, by mesne assignments, to Memovox, Inc., Beverly Hills, Calif. Phonograph drive. 2,275,404; Mar. 10.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Fault protective system. 2,275,881; Mar. 10.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control system. 2,275,882; Mar. 10.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Ground detector. 2,275,883; Mar. 10.
Barber, Alfred W., Flushing, N. Y. Vacuum tube. 2,275,490; Mar. 10.
Barber-Colman Company. (See Greenlee, Theodore K., assignor.)
Barbour Welting Company. (See Vizard, William C., assignor.)
Barker, Samuel, Akron, Ohio. Meat tenderer. 2,275,884; Mar. 10.
Barna, Andrew, Chicago, Ill. Under water torch. 2,275,491; Mar. 10.
Barry, Thomas W., assignor to Peerless Manufacturing Corporation, Louisville, Ky. Fire screen hinge. 2,275,942; Mar. 10.
Barry-Wehmiller Machinery Company. (See Herold, J. L., Nekola, and Wehmiller, assignors.)
Bartholomew, Bert E., Balboa Island, Calif. Casement sash adjuster or the like. 2,275,580; Mar. 10.
Bartlett, Percy, Springfield, Pa., assignor to General Electric Company. Electric circuit breaker. 2,275,885; Mar. 10.
Barton, Loy E., Collingswood, N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Means for rapid heating of electron-discharge tube filaments. 2,275,581; Mar. 10.
Bayley, William D., Springfield, Ohio. Window assembly. 2,275,943; Mar. 10.
Beck, Earl W., Eggertsville, N. Y., and V. Walker, Fort Erie, Ontario, Canada, assignors, by mesne assignments, to AlnCin, Inc. Light diffusing lens. 2,275,602; Mar. 10.
Beck, Edward F. W. (See Ludwig, L. R., and Beck.)
Becker, Harold A., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,275,412; Mar. 10.
Beers, Royce L., Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich. Ash discharge means for stokers. 2,275,492; Mar. 10.
Behrndt, Carl N. (See Bachman, G. B., and Behrndt.)
Belden Manufacturing Company. (See Olson, Einar R., assignor.)
Bell & Gossett Company. (See Tidd, Edwin B., assignor.)
Bell, George, Wallasey, England, assignor, by mesne assignments, The Ironsides Company, Columbus, Ohio. Bearing. 2,276,143; Mar. 10.
Bell Telephone Laboratories, Incorporated. (See Fuller, Calvin S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hecht, G., and Lundstrom, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hecht, George, assignor.)
Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)
Bell Telephone Laboratories, Incorporated. (See Legg, Victor E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Matthews, Emil C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mattke, C. F., and Terry, assignors.)
Bell Telephone Laboratories, Incorporated. (See Meacham, Larned A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Means, W. J., and Slonczewski, assignors.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See O'Brien, L. A., and Smith, assignors.)
Bell Telephone Laboratories, Incorporated. (See Pollard, Charles E., Jr., assignor.)
Bellows, Guy, Jr., Erie, Pa., assignor to General Electric Company. Battery charging system. 2,275,837; Mar. 10.
Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)
Bendix Aviation Corporation. (See Bevins, James E., assignor.)
Bendix Products Corporation. (See Breese, Robert P., assignor.)
Bendix Aviation Corporation. (See Horton, Roger F., assignor.)
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Bendix Aviation Corporation. (See Whitney, Kenneth E., assignor.)
Benjamin, Henry A., Oakland, Calif. Fireplace damper construction. 2,275,493; Mar. 10.
Bennett, Harry, Woodmere, N. Y. Reaction product. 2,275,494; Mar. 10.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Circuit and switch for reversing single-phase motors. 2,275,495; Mar. 10.
Berg, Carl H., Bloomfield, N. J. Drill-grinding fixture. 2,275,496; Mar. 10.
Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Fan heater unit. 2,276,144; Mar. 10.
Berhley, Fred, Astoria, Long Island, assignor of forty per cent to M. E. Sparrow, New York, N. Y. Intercommunication system. 2,275,405; Mar. 10.
Berhley, Fred, Astoria, Long Island, assignor of forty per cent to M. E. Sparrow, New York, N. Y. Intercommunication system. 2,275,406; Mar. 10.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Synchronized low gear. 2,275,718; Mar. 10.
Bernard, George S., Jr., New Kensington, Pa., assignor to Aluminum Company of America. Resistance welding. 2,276,010; Mar. 10.
Berndt, Eric M., assignor, by mesne assignments, to J. A. Maurer, Inc., New York, N. Y. Driving connection for film-handling apparatus employing removable film magazines. 2,275,497; Mar. 10.
Berndt, Eric M., assignor, by mesne assignments, to J. A. Maurer, Inc., New York, N. Y. Driving connection for film-handling apparatus employing removable film magazines. 2,275,498; Mar. 10.
Bertsch, Heinrich, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del. Sulphuric derivatives of ethers. 2,275,413; Mar. 10.
Bevins, James E., Bronx, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Rate of climb indicator. 2,275,719; Mar. 10.
Bickford, Ernest A., assignor to Wiley-Bickford-Sweet Corporation., Worcester, Mass. Shoe. 2,275,407; Mar. 10.
Bigelow-Liptak Corporation. (See Werner, Nels E., assignor.)
Billstein, Arthur E. F., Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Means for locating defects in metal articles. 2,276,011; Mar. 10.
Bijur, George, Executor. (See Bijur, Joseph.)
Bijur, Joseph, deceased, late of New York, G. Bijur, New York, N. Y., executor, assignor to Auto Research Corporation. Lubrication. 2,275,414; Mar. 10.
Bijur, Joseph, deceased, late of New York, by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,276,145; Mar. 10.
Bijur, Joseph, deceased, late of New York, G. Bijur, executor, New York, N. Y., assignor to Research Corporation. Lubrication. 2,276,146; Mar. 10.
Bingham, George H., Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe outsole. 2,275,720; Mar. 10.
Bird, Bezant K. (See Lane, G. M. B., and Bird.)
Birr, John E. W., San Leandro, assignor of fifty per cent to J. H. Nicolini, Alameda, Calif. Washing method. 2,276,147; Mar. 10.
Bisch, Correll C., assignor of fifty per cent to M. R. Myers, Springfield, Ill. Lockstitch and pattern to prevent thread runs. 2,276,148; Mar. 10.
Blackley, James L., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Plate forming machine. 2,276,012; Mar. 10.
Bloom, George I., et al. (See Kelly, George, assignor.)
Bloom, I. C., et al. (See Kelly, George, assignor.)
Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach control apparatus for railway signaling systems. 2,275,838; Mar. 10.
Blumlein, Alan Dower. (See Bull, C. S., and Blumlein.)
Board of Trustees of the Leland Stanford Junior University. (See Varian, R. H., Hansen, and Applegate, assignors.)
Bock, Louis H., Glenside, and A. L. Houk, assignors to Röhm & Haas Company, Philadelphia, Pa. Aldehydo quaternary ammonium compounds. 2,276,149; Mar. 10.
Bodle, Virgil H., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Perforating method and apparatus. 2,275,603; Mar. 10.
Boehne, Eugene W., Drexel Hill, Pa., assignor to General Electric Company. Magnetic structure. 2,275,839; Mar. 10.
Boeing Aircraft Company. (See Rutledge, Charles E., assignor.)
Bohannon, William B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for electrical transformation. 2,276,013; Mar. 10.
Bondley, Ralph J., Scotia, H. A. Liebhafsky, Schenectady, and A. F. Winslow, Scotia, N. Y., assignors to General Electric Co. Process of activating cathodes. 2,275,886; Mar. 10.
Bondurant, Carlton W., Euclid, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Securing device for thermostats. 2,275,605; Mar. 10.
Bondurant, Carlton W., Euclid, assignor to the Titan Valve & Manufacturing Company, Cleveland, Ohio. Thermostatic control mechanism. 2,276,014; Mar. 10.
Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments to Standard Railway Devices Company. Refrigerator car construction. 2,275,721; Mar. 10.
Boobarin, Leo Y., San Francisco, Calif. Universal clock. 2,275,604; Mar. 10.
Boor, Arthur. (See McIntyre, B. D., Nickelsen, and Boor.)
Boone, Daniel R., Portland, Oreg., assignor to American Can Company, New York, N. Y. Solder wiper mechanism. 2,275,415; Mar. 10.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene-cyanoacyl compounds and methods of producing same. 2,275,606; Mar. 10.
Bostwick, Myron A., Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot-channel protective relaying system. 2,275,941; Mar. 10.
Bostwich, Myron A. (See Smith, R. M., and Bostwick.)
Bostwick, Myron A., Budd Lake, and B. V. Hoard, Millburn, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot wire supervision. 2,276,150; Mar. 10.
Bowen, Myron W., Niles, assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,275,722; Mar. 10.
Boyle, Alfred A. (See Young, L., and Boyle.)
Boynton, Alexander, San Antonio, Tex. Bellows type slugging foot valve for wells. 2,275,416; Mar. 10.
Boynton, Alexander, San Antonio, Tex. Foot valve. 2,275,417; Mar. 10.
Boynton, Alexander, San Antonio, Tex. Threadless drill pipe. 2,275,418; Mar. 10.
Bramming, Carl, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Dispensing stopper for receptacles. 2,275,607; Mar. 10.
Brandenberger, Jacques E., Paris, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element having a laminated film support. 2,276,151; Mar. 10.
Brantly, John E., Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic well-drilling apparatus. 2,276,016; Mar. 10.
Brass Goods Manufacturing Co. (See Maloney, Frank H., assignor.)
Bregi, Benjamin F., assignor to National Broach & Machine Company, Detroit, Mich. Headstock. 2,275,723; Mar. 10.
Bremner, Claude M., Regina, Saskatchewan, assignor of fifty percent to Andrew McLatchie, Tuberose, Province of Saskatchewan, Canada. Grain separating chaffer. 2,275,724; Mar. 10.
Breese, Robert P., New York, N. Y., assignor to Bendix Products Corporation. Gear shifting mechanism. 2,275,944; Mar. 10.
Briess, Erich, New York, N. Y. Agent and process for the conversion of starch containing materials. 2,275,836. Mar. 10.
Bright, Elvin M., Dayton, Ohio, assignor to J. M. Wallace, Cincinnati, Ohio, as trustee. Plastic molding material. 2,275,499; Mar. 10.
Brill, Rudolf. (See Lederle, Ekbert.)
Brisbane, Eugene C., assignor to S. M. Smith Company, York, Pa. Fluid control systems. 2,275,608; Mar. 10.
British Rubber Producers' Research Association, The. (See Farmer, Ernest H., assignor.)
Britton, Kenneth L., and R. O. Eaton, Erie, Pa., assignor to General Electric Company. Electric resistor. 2,275,840; Mar. 10.
Broadhurst, Frank S., Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J. Priming system for centrifugal pumps. 2,275,500; Mar. 10.
Broadhurst, Frank S., Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J. Priming system for centrifugal pumps. 2,275,501; Mar. 10.
Broadhurst, Frank S., Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J. Priming system for centrifugal pumps. 2,275,502; Mar. 10.
Broady, Harry W., Pittsburgh, Pa. Continuously variable transmission device. 2,275,725; Mar. 10.
Brodbeck, Almer H. and E. H. Kahler, assignors to American Stove Company, St. Louis, Mo. Automatic ignition system for burners. 2,276,015; Mar. 10.
Brown, Walter, Detroit, Mich. Process for making composite metal articles and apparatus therefor. 2,275,503; Mar. 10.
Brown, Walter Toledo, Ohio. Apparatus for forming centrifugally cast linings. 2,275,504; Mar. 10.
Brownstein, Arthur, Bridgeport, Conn., assignor to Colonial Company, Attleboro, Mass. Electric cord plug. 2,276,017. Mar. 10.
Bruce, E. L., Company. (See Partee, Watkins W., assignor.)
Bruengger, Heinrich. (See Graenacher, C., Ackermann, and Bruengger.)
Bruni, Carina B., and P. Bruni, Pavia, Italy. Apparatus for dry disinfection of razors, surgical instruments, and the like. 2,275,672; Mar. 10.
Bruni, Pietro. (See Bruni, C. B., and P. Bruni.)

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N.Y. Apparatus for verifying statistical data. 2,275,609; Mar. 10.

Bucky, Gustav, and P. Sarason, New York, N. Y. Loudspeaker system. 2,275,610; Mar. 10.

Budner, Anton E. (See Steinle, J. V., and Budner.)

Buess, Hans. (See Dobler, F., and Buess.)

Builders Iron Foundry. (See Miner, Irving O., assignor)

Bull, Arthur W., Grosse Pointe, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method of making tire molds. 2,275,582; Mar. 10.

Bull, Cabot Seaton, Hillingdon, and A. D. Blumlein, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Thermionic valve voltmeter and potentiometer circuits and the like. 2,276,152; Mar. 10.

Burdick, Charles A. (See Chadbourne, J. H., and Burdick.)

Burnham, George V. (See Burnham, Robert E., and G. V.)

Burnham, Robert E., Hartshorne, Okla., and G. V. Burnham, Whitewright, Tex. Calculating meter for road building. 2,276,153; Mar. 10.

Burns, Early W., and Andrew D. Hagan, Birmingham, Ala. Articulator balancers. 2,275,726; Mar. 10.

Burnside, Douglas D. (See Stockstrom, A., Burnside and Kahler.)

Bussmann, Henry T., St. Louis, Mo. Electrical protective device. 2,275,403; Mar. 10.

Butterfield, Wendell. (See Lane, G. T., and Butterfield.)

Buzard, Fred T., assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Combined mixing and extruding machine. 2,276,261; Mar. 10.

Byrne, Paul F., West Caldwell, and A. G. Kandoian, Newark, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Multichannel signaling system. 2,276,154; Mar. 10.

Caldwell, Frank W., and E. Martin, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Composite propeller. 2,276,262; Mar. 10.

Caldwell, John R., assignor to Southern States Equipment Corporation, Birmingham, Ala. Electric switch. 2,276,257; Mar. 10.

California Cedar Products Company. (See Wilcox, William H., assignor.)

Callite Tungsten Corporation. (See Laise, Clemens A., assignor.)

Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)

Campbell, Donald J., Spring Lake, Mich. Metal foundry. 2,276,018; Mar. 10.

Cantzler, Adolf. (See Mueller-Gunradi, M., Cantzler and Krekeler.)

Carbide and Carbon Chemicals Corporation. (See Groff, Frazier, assignor.)

Carbide and Carbon Chemicals Corporation. (See Ruark, Robert G., assignor.)

Cardwell, Harland W., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Well servicing and drilling machine. 2,276,224; Mar. 10.

Cardwell Manufacturing Company. (See Cardwell, Harland W., assignor.)

Carey, Philip, Manufacturing Company, The. (See Moeller, William J., assignor.)

Carpenter, Charles C. (See Visness, C. B. & Carpenter.)

Carpenter, Otis R., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Welding. 2,275,419; Mar. 10.

Carr, Donald E., assignor to Union Oil Company of California, Los Angeles, Calif. Asphalt and process for producing the same. 2,276,155; Mar. 10.

Carrier Corporation. (See Shawhan, S. F., and Nicolet, assignors.)

Carroll, Burt H., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,275,727; Mar. 10.

Carstens, Fred W. (see Marks, G. M., and (Drew, R. B., assignor).)

Carter, Albert S., and F. W. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for making 1-cyano-1,3-butadiene. 2,276,156; Mar. 10.

Carter, Edgar R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,276,225; Mar. 10.

Carter, Latt J., Kannapolis, assignor to E. H. Jacobs Manufacturing Company, Charlotte, N. C. Picker. 2,275,728; Mar. 10.

Casco Products Corporation. (See Lehmann, Herbert G., assignor.)

Casse, Joseph E., assignor to Crawford Door Company, Detroit, Mich. Upward acting door and removable mullion therefor. 2,275,729; Mar. 10.

Casse, Joseph E., assignor to Crawford Door Company, Detroit, Mich. Removable mullion. 2,275,730; Mar. 10.

Castilla y Ruiz, Manuel, Habana, Cuba. Tilting platform for the unloading of trucks and other vehicles. 2,275,945; Mar. 10.

Catlin, Leonard A., and W. H. Cockerill, assignors to E. M. B. Company Limited, West Bromwich, England. Pneumatically operated die-casting machine. 2,275,731; Mar. 10.

Catlow, William R., Jr., and H. F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation. Dispersion compositions. 2,275,583; Mar. 10.

Catlow, William R., Jr., and H. F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation. Oil-resin coating composition. 2,275,584; Mar. 10.

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Celanese Corporation of America. (See Kinsella, E., and Cross, assignors.)

Celotex Corporation, The. (See Muench, Carl G., assignor.)

Chace, Thomas B., Winnetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Method of making composite metal. 2,275,585; Mar. 10.

Chadbourne, Joseph H., Scotland, and C. A. Burdick, Killingly, Conn., assignors to The Danielson Mfg. Company. Picker stick coupling. 2,275,611; Mar. 10.

Chain Belt Company. (See Viall, George K., assignor.)

Chandler, Frank J., Toledo, Ohio. Perforating method and apparatus. 2,275,612; Mar. 10.

Chandler, Fred K., Des Moines, Iowa. Feed handling apparatus. 2,275,887; Mar. 10.

Chapman, Frank D., Berlin, Wis. Filling mechanism. 2,276,157; Mar. 10.

Check, Paul A., Trumbull, Conn., assignor to General Electric Company. Clamp for junction boxes. 2,275,841; Mar. 10.

Chenicek, Albert G. (See Muskat, I. E., and Chenicek.)

Chenicek, Albert G. (See Pollack, M. A., and Chenicek.)

Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Suppression of metal catalysis. 2,276,158; Mar. 10.

Chicago Railway Equipment Company. (See Wasberg, Axel, assignor.)

Childers, Roscoe O., Olney, Ill., assignor to Baker Oil Tools, Inc., Vernon, Calif. Device for removing casing sections. 2,275,946; Mar. 10.

Ching, John F., Berkeley, Calif. Auto door lock. 2,276,019; Mar. 10.

Chipka, John, Sharon, Pa. Arm rest and utility light. 2,276,020; Mar. 10.

Christian, John, Baton Rouge, La. Hydraulic steering mechanism. 2,276,159; Mar. 10.

Chubb, Loyde, Lansing, Mich., assignor to Sommer & Maca Glass Machinery Corporation, Chicago, Ill. Glass replacement tool. 2,275,732; Mar. 10.

Ciba Pharmaceutical Products Incorporated. (See Goldberg, Mose W., assignor.)

Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., Fischer, Scholz, and Wettstein, assignors.)

Cincinnati Milling Machine Company, The. (See Martellotti, Mario E., assignor.)

Citro Chemical Company. (See Balmert, C. A., Drinkard and Harcourt, assignors.)

Clad Metals Industries, Inc. (See Chace, Thomas B., assignor.)

Clark Controller Company, The. (See Pearson, Bernhard A., assignor.)

Clark, Frances H., New York, and R. F. Dirkes, Jamaica, N. Y. Metallurgy of ferrous metals. 2,275,420; Mar. 10.

Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Cutting machine. 2,275,733; Mar. 10.

Clarke, Robert E., Palo Alto, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium products from brines. 2,276,245; Mar. 10.

Clausen, Harold C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,275,888; Mar. 10.

Cleary, Richard F., Maplewood, N. J. Grinding tool. 2,275,889; Mar. 10.

Clem, Jesse L., Portland, Oreg. Liquid dispensing device. 2,275,842; Mar. 10.

Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic darkroom lamp. 2,275,734; Mar. 10.

Cleven, Olaf L., Washington, D. C. Combined punching and verifying machine. 2,275,421; Mar. 10.

Clocker, Edwin T., Bethlehem, Pa. Condensation product and method. 2,275,843; Mar. 10.

Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Method and apparatus for determining distances of elastic discontinuities. 2,275,735; Mar. 10.

Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Seismic wave velocity well logging. 2,275,736; Mar. 10.

Clute, Gerald P. (See Williams, E. A., Jr., Shuck and Clute.)

Cockerill, Wilfred H. (See Catlin, L. A., and Cockerill.)

Coe, Reginald T., Rugby, England, assignor to General Electric Company. Circuit breaker. 2,275,890; Mar. 10.

Coffman, Donald D., Wilmington, and L. Gilman, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear polymeric secondary thioamides. 2,276,160; Mar. 10.

Cole, Cawthern C., Whittier, Calif. Gun type casing perforator. 2,276,161; Mar. 10.

Cole Electric Products Co. Inc. (See Cole, L. W., and Smith, assignors.)

Cole, Louis W., New York, N. Y., and C. I. Smith, Newark, N. J., assignors to Cole Electric Products Co. Inc., Long Island City, N. Y. Electric panel. 2,276,226; Mar. 10.

Coleman, Alvia B., et al. (See Taylor, Charles A., assignor.)

Colin, Philip Gordon, Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Stabilized mineral oil. 2,276,162; Mar. 10.

Colonial Company. (See Brownstein, Arthur, assignor.)

Colorvision Ads Inc. (See Gauthier, A., assignor.)

Colorvision Ads Inc. (See Sture, John J., assignor.)

Compagnie Generale De Telegraphie Sans Fil. (See Torcheux, Emile, assignor.)

Composite Rubber Products Corporation. (See Hoskins, Oakley W., assignor.)

Concord Chenille Co. (See Unger, Abraham, assignor.)

Coolidge, Richard N., Nashville, Tenn. Watercraft. 2,276,163; Mar. 10.

Copley, Alfred L., Kansas City, Kans., and J. J. Lalich, Kansas City, Mo. Method of and apparatus for determining bleeding time. 2,276,021; Mar. 10.

Copy Right Mfg. Corporation. (See Shantz, Edgar, assignor.)

Corbett, Harvey W. (See Hasenburger, H., and Corbett.)

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,276,228; Mar. 10.

Courtney, John M., Vivian, La. Gas lift. 2,275,947; Mar. 10.

Cox, Harold E. (See Trencham, H., and Cox.)

Cox, Harold E., and A. C. Gibson, Dollis Hill, London, N. W. 2, England, assignors to General Electric Company. Electric circuit breaker. 2,275,891; Mar. 10.

Cox, Irvin W., Milwaukee, Wis., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound producer. 2,276,022; Mar. 10.

Cox, Norman L., Claymont, and W. E. Hanford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polythioamides from thiolactams. 2,276,164; Mar. 10.

Crandell, Dean D., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,275,815; Mar. 10.

Crawford Door Company. (See Casse, Joseph E., assignor.)

Crawford, Harry H., and M. R. Wellsburg, W. Va., assignors, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag. 2,275,505; Mar. 10.

Cross, Alfred. (See Kinsella, E., and Cross.)

Crowley, Daniel J., Grosse Pointe, Mich. Combined article of furniture and radio receiving set. 2,275,506; Mar. 10.

Crowley, Daniel J., Grosse Pointe, Mich., and E. W. Dulmage, Detroit, Mich., assignors, by mesne assignments, to said D. J. Crowley. Combined article of furniture and radio receiving set. 2,275,507; Mar. 10.

Cullin, Jasper F., Detroit, Mich., assignor of two-thirds to L. Mervis, Lock Haven, Pa. Brush rigging for electric machines. 2,275,613; Mar. 10.

Currie, Gilbert, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch mechanism. 2,276,024; Mar. 10.

Curry, Herman H., Montgomery County, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multispeed reversing coupling. 2,275,508; Mar. 10.

Cushman Chuck Company, The. (See Sloan, H. E., H. E., Jr., and Highberg, assignors.)

Custis, Eva E., New York, N. Y. Hair curler. 2,276,165; Mar. 10.

Cutler-Hammer, Inc. (See Meuer, George J., assignor.)

Dacey, Owen, Warroad, Minn. Trap. 2,275,737; Mar. 10.

Dachlauer, Karl, Hofheim in Taunus, and H. Petri, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Process of preparing chlorinated bromomethanes. 2,276,166; Mar. 10.

Dachlet, Joseph F. (See Houston, E. R., Dachlet and Hauser.)

Dahlstrom, Frank P., Poland, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Control for rolling mills. 2,275,509; Mar. 10.

Dalton, William T., Ansted, W. Va. Mine car bumper. 2,276,167; Mar. 10.

Dalton, William T., Ansted, W. Va. Combined coupling and draft rigging mechanism. 2,276,168; Mar. 10.

Danielson Mfg. Company, The. (See Chadbourne, J. H., and Burdick, assignors.)

Dark, Herbert M., Durban, Natal Province, Union of South Africa. Form for molding concrete walls or columns. 2,275,738; Mar. 10.

Davey, George W., Worcester, Mass. Water cooled baffle and wall. 2,276,025; Mar. 10.

Davidson, Andrew J., Jr., assignor of one-half to E. A. Dwiggins, Detroit, Mich. Pocketknife. 2,276,026; Mar. 10.

Davies, Gomer L., Cleveland, Ohio, assignor to Washington Institute of Technology, Inc., Washington, D. C. Apparatus for controlling the glide path for radio landing of aircraft. 2,275,673; Mar. 10.

Davies, Leonard J., Rugby, H. W. H. Warren, Coventry, and Gavin Hamilton, Rugby, England, assignors to General Electric Company. Electric incandescent lamp. 2,275,674; Mar. 10.

Davis, David M. (See Michaelis, Lothar, and Davis.)

Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic spot welding control means. 2,275,948; Mar. 10.

De Laval Steam Turbine Company. (See Broadhurst, Frank S., assignor.)

Dellian, Joseph, Berlin-Treptow, and J. Kern, Berlin-Schoneberg, Germany, assignors to General Electric Company. Discharge device. 2,275,739; Mar. 10.

Dennis, Clark M., Montclair, N. J. Automatic regulation. 2,275,844; Mar. 10.

De Orlow, Stephen, Jackson, Mich., assignor to General Motors Corporation, Detroit, Mich. Hood latch. 2,275,740; Mar. 10.

Detroit Harvester Company. (See Kost, Harold W., assignor.)

Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)

Detroit Lubricator Company. (See Hann, Albert G., assignor.)

Detroit Stoker Company. (See Beers, Royce L., assignor.)

Deutsche Niles Werke Aktiengesellschaft. (See Parz, Erich, assignor.)

De Verry, George, Springfield, Mass. Making printing plates. 2,275,422; Mar. 10.

Dewald, Edward A., Massillon, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Pull-type tube-expanding tool. 2,275,614; Mar. 10.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Piston and packing cup. 2,276,027; Mar. 10.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Switch. 2,276,028; Mar. 10.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. 1,4-naphthoquinine compounds and material colored therewith. 2,275,741; Mar. 10.

Dietrich, Walter L., and R. H. Bentley, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Directional operating means for electric switches. 2,275,510; Mar. 10.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,276,227; Mar. 10.

Dillon, Wendell M., North Andover, Mass., assignor to Watts Regulator Company, Lawrence, Mass. Thermostatic control valve. 2,275,742; Mar. 10.

Dingley, Edward N., Jr., Arlington, Va. Telegraphic code transcribing device. 2,276,263; Mar. 10.

Dinhofer, Julius, New York, N. Y. Diamond-holding tool. 2,275,511; Mar. 10.

Dinhofer, Julius, New York, N. Y. Diamond-holding tool. 2,275,512; Mar. 10.

Dirkes, Robert F. (See Clark, F. H., and Dirkes.)

Ditto, Incorporated. (See Neal, Morris P., assignor.)

Dixon, James K., Bound Brook, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Process and apparatus for exothermic catalytic reactions. 2,276,229; Mar. 10.

Dobler, Fritz, and H. Buess, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs and their manufacture. 2,276,169; Mar. 10.

Dodge, Milton L., Newburyport, Mass. Shoe upper shaping machine. 2,276,029; Mar. 10.

Donato, Alfred M. (See Backus, C. H., and Donato.)

Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Tape transmitter. 2,275,615; Mar. 10.

Doucette, Joseph, Hillside, Ill. Moisture separating device. 2,275,616; Mar. 10.

Dougherty, Robert S. A. (See Grace, Nancy B., assignor.)

Dow Chemical Company, The. (See Lowry, Ronald P., assignor.)

Dow Chemical Company, The. (See Nelson, Charles E., assignor.)

Dow Chemical Company, The. (See Taylor, F. L., and Livak, assignors.)

Drake, Stoney, Atlanta, Ga. Starch finishing and sizing composition and producing the same. 2,275,845; Mar. 10.

Draper, Charles S., Boston, Mass., and J. H. Lancor, Jr., Edgewood, R. I., assignors to Research Corporation, New York, N. Y. Detonation detector system. 2,275,675; Mar. 10.

Dravo Corporation. (See Edwards, Vere B., assignor.)

Dravo Corporation. (See Strudy, Howard H., assignor.)

Drew, Robert B. (See Marks, G. M., and Drew.)

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Treatment of textiles and other shaped articles made of cellulose derivatives. 2,275,513; Mar. 10.

Drinkard, Russell D. (See Balmert, C. A., Drinkard and Harcourt.)

Drumm, Andrew A. (See Genetti, Leon A., and Drumm.)

Dubas, Henry F., Albany, N. Y. Camera tripod. 2,275,743; Mar. 10.

Dubeau, Archie L., Lewiston, J. D. MacMahon, Niagara Falls, and G. P. Vincent, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Treatment of substantially solid resinous linear condensation polymers. 2,276,030; Mar. 10.

Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Ink fountain structure. 2,275,514; Mar. 10.

Duerr, Herman H., and F. W. H. Mueller, Binghamton, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic stripfilm and stripfilm paper. 2,275,617; Mar. 10.

Dueweke, Florian G., Detroit, Mich. Metal awning. 2,275,744; Mar. 10.

Duffy, Charles H. (See Lane, Carl D.)

Dulmage, Earl W. (See Crowley, D. J., and Dulmage, assignors.)

Dunham, George S., Ardmore, Pa. Method of and apparatus for cooling blast furnaces. 2,275,515; Mar. 10.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,275,846; Mar. 10.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,275,847; Mar. 10.

Duplex Printing Press Company, The. (See Blackley, James L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Alderman, V. V., and Hanford, assignors.)

Du Pont, E. I., de Nemours & Company. (See Brandenberger, Jacques E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carter, A. S., and Johnson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Coffman, D. D., and Gilman, assignors.)

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Du Pont, E. I., de Nemours & Company. (See Fisher, H. H., Parmelee, and Stecher, assignors.)

Du Pont, E. I., de Nemours & Company. (See Flint, R. B., and Rothrock, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gilbert, Harvey N., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hanford, W. E., and Schreiber, assignors.)

Du Pont, E. I., de Nemours & Company. (See Iler, Ralph K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kharasch, Morris, S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)

Duriron Company, The. (See Jacobsen, Oystein, assignor.)

Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Soft work bunch machine safety device. 2,275,423; Mar. 10.

Dwiggins, Emil A. (See Davidson, Andrew J., Jr., assignor.)

E. M. B. Company Limited. (See Catlin, L. A., and Cockerill, assignors.)

Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Resistance device. 2,276,230; Mar. 10.

Eastman, James H., Atlin, British Columbia, Canada. Radiant energy lamp. 2,275,745; Mar. 10.

Eastman Kodak Company. (See Bachman, G. B., and Behrndt, assignors.)

Eastman Kodak Company. (See Carroll, B. H., and Allen, assignors.)

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Eastman Kodak Company. (See Lewis, Warren K., assignor.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Othmer, D. F., and White, assignors.)

Eastman Kodak Company. (See Patterson, John L., assignor.)

Eastman Kodak Company. (See Philips, Harlow D., assignor.)

Eastman Kodak Company. (See Salo, Martti, assignor.)

Eastman Kodak Company. (See Schubert, Alvin E., assignor.)

Eastman Kodak Company. (See Wilder, Lot S., assignor.)

Eastman Machine Company. (See Clark, Frederick G., assignor.)

Eaton, Reginald O. (See Britton, K. L., and Eaton.)

Edison General Electric Appliance Company. (See Ettinger, Wallace J., assignor.)

Edwards, James L. (See Hackett, A. G., and Edwards.)

Edwards, Martin A. (See Willis, C. H., and Edwards.)

Edwards, Vere B., Coraopolis, Pa., assignor to Dravo Corporation. Boat. 2,275,618; Mar. 10.

Edwards, Walter S., New Haven, Conn., assignor to The Silex Company, Hartford, Conn. Beverage brewer. 2,275,746; Mar. 10.

Ehrich & Graetz Aktiengesellschaft. (See Gronow, S., and Lahde, assignors.)

Electric & Musical Industries Limited. (See Bull, C. S., and Blumlein, assignors.)

Electric & Musical Industries Limited. (See Freeman, George S. P., assignor.)

Elmendorf, Armin, Winnetka, Ill. Siding for buildings. 2,276,170; Mar. 10.

Emerson, John. (See Fordyce, C. R., and Emerson.)

Enberg, Stone R., Grosse Pointe, R. H. Walsh, and L. C. Scheuring, assignors to Ainsworth Manufacturing Company, Detroit, Mich. Power bender. 2,275,619; Mar. 10.

Engel, Phillip M., Lansdowne, Pa., assignor to General Electric Company. Operating mechanism. 2,275,892; Mar. 10.

Engelsted, Knud, Riverside, Conn. Meat chopper. 2,275,516; Mar. 10.

Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylol cyanamide-polycarboxylic acid condensation product. 2,276,231; Mar. 10.

Ericson, Richard, assignor to United States Gypsum Company, Chicago, Ill. Flowable heat insulating material and method and apparatus for forming the same. 2,275,816; Mar. 10.

Ettinger, Wallace J., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,275,893; Mar. 10.

Evans, Francis C., Staten Island, assignor to American District Telegraph Company, New York, N. Y. Fire detecting system. 2,275,949; Mar. 10.

Ewell, Robert B., assignor to Universal Oil Products Company, Chicago, Ill. Production of motor fuels. 2,276,171; Mar. 10.

Fafnir Bearing Company, The. (See Carter, Edgar R., assignor.)

Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)

Falconer, James E., Cheswick, Pa. Coal loader. 2,275,950; Mar. 10.

Farmer, Ernest H., Radlett, England, assignor to The British Rubber Producers' Research Association, London, England. Treatment of rubber. 2,275,951; Mar. 10.

Farr, Henry V., Ferguson and J. R. Ruhoff, Normandy, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of scale salts. 2,276,172; Mar. 10.

Fate-Root-Heath Company, The. (See Buzard, Fred T., assignor.)

Fay, Harold C., Floral Park, N. Y. Safety razor. 2,275,517; Mar. 10.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well survey method and apparatus. 2,275,747; Mar. 10.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well surveying method and apparatus. 2,275,748; Mar. 10.

Ferguson, Carl S., Newton, Mass. Method of reclaiming wool. 2,276,173; Mar. 10.

Ferguson, William H., Flint, Mich. Appliance for use in repairing automobile bodies. 2,275,894; Mar. 10.

Feustel, Ernest A., Hasbrouck Heights, N. J. Yarn carrier. 2,275,848; Mar. 10.

Fidelity Union Trust Company, executor, et al. (See Laise, Clemens A.)

Fietinghoff, Sergius C., Los Angeles, Calif., A. R. Maier, Dallas, Tex., and C. F. Van Loozen, Los Angeles, Calif., assignors to Oil Well Supply Company. Oil bath rotary. 2,275,895; Mar. 10.

Finck, Joseph L., Cedarhurst, N. Y., assignor of 30% to I. R. Paris, Washington, D. C. Insulating building and like structures. 2,276,076; Mar. 10.

Fischer, Werner. (See Miescher, K., Fischer, Scholz, and Wettstein.)

Fisher, Edward E., Mountain View, Calif. Display device for garments. 2,275,749; Mar. 10.

Fisher, Harry C., and J. F. Thompson, Cincinnati, and W. E. Sooy, Middletown, assignors to The Gardner-Richardson Company, Middletown, Ohio. Waterproof and greaseproof paper. 2,276,244; Mar. 10.

Fisher, Harry H., Baton Rouge, La., A. E. Parmelee, and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of lead-sodium alloys. 2,276,031; Mar. 10.

Fitzky, Wilhelm, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Tri(hydroxy methyl) acetaldehyde and a process of making it. 2,275,586; Mar. 10.

Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,276,246; Mar. 10.

Fleischhauer, Richard and A. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,276,174; Mar. 10.

Fleming Manufacturing Company. (See Wilkinson, James W., assignor.)

Fleysher, Maurice H., and J. Ogilvie, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation. Phthalocyanine pigment. 2,276,175; Mar. 10.

Flint, Robert B. and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of esters of alpha-methylene open chain aliphatic monocarboxylic acids with frosting drying oil varnishes. 2,276,176; Mar. 10.

Flugger, John C., San Francisco, Calif. Combination shutter, blind and ventilating device. 2,276,177; Mar. 10.

Forcey, George W. (See Abrams, A., Forcey and Wagner.)

Ford, George E., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y. Meat thermometer. 2,276,178; Mar. 10.

Ford, George E., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y. Thermometer and support therefor. 2,276,179; Mar. 10.

Ford, Charles R., assignor, by mesne assignments, to Rex Manufacturing Company, Connersville, Ind. Refrigerator cabinet construction. 2,275,482; Mar. 10.

Ford Motor Company. (See McCarroll, R. H., and Jeter.)

Fordyce, Charles R., and J. Emerson, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation coating. 2,275,817; Mar. 10.

Foss, Burdette W., and W. McGee, Fort Wayne, Ind., said Foss assignor to said McGee. Circuit controller. 2,276,180; Mar. 10.

Foster Bros. Mfg. Company. (See Latimer, George W., assignor.)

Foster, Hallet J., Providence, R. I., assignor to Velveray Corporation of America, Inc. Fabric printing procedure. 2,276,181; Mar. 10.

Frank, Bruce K., Birmingham, H. M. Pryale, Pontiac, W. C. Smith, and W. A. Paxton, Detroit, assignors to Baldwin Rubber Company, Pontiac, Mich. Highway marker. 2,275,518; Mar. 10.

Fraser, Thomas, Aurora, Ill. Apparatus for separating mixed materials. 2,275,849; Mar. 10.

Frederaft Corporation. (See New, Fred M., assignor.)

Freedman, Benjamin H., Ashbury Park, N. J. Coin package. 2,275,424; Mar. 10.

Freeman, George S. P., Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Method of coating insulating materials on metal objects. 2,275,952; Mar. 10.

Friederichs, Hans, Berlin, Germany. Camera for taking a plurality of photographs on one plate. 2,275,519; Mar. 10.

Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system for towing and mooring winches. 2,275,953; Mar. 10.

Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilization of superpolymers. 2,275,620; Mar. 10.

Gagnier, George E. (See Place, Bion C., assignor.)

Garand, Frederick C., Chicago, Ill. Hoisting apparatus. 2,276,182; Mar. 10.

Gardinor, Elliott W., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Illuminated dial. 2,275,621; Mar. 10.

Gardiner, Robert P. (See Johnson, H. F., Steinle, and Gardiner.)

Gardner, Harry I., assignor to John C. Miller, Chicago, Ill. Drain cleaner. 2,275,850; Mar. 10.

Gardner-Richardson Company, The. (See Fisher, H. C., Thompson, and Sooy, assignors.)

Gardner-Richardson Company, The. (See Sooy, W. E., and von Sydow, assignors.)

Garrison, Edgar W., Jr., assignor to Southern States Equipment Corporation, Birmingham, Ala. Electric fuse device. 2,276,183; Mar. 10.

Garrison, Edgar W., Jr., Birmingham, and G. N. Lemmon, Homewood, assignors to Southern States Equipment Corporation, Birmingham, Ala. Electric fuse. 2,276,184; Mar. 10.

Gatien, Leo E., Ishpeming, Mich. Vehicle heater. 2,275,622; Mar. 10.

Gauthier, Alfred, assignor to Colorvision Ads, Inc., New York, N. Y. Illuminated sign. 2,276,185; Mar. 10.

Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Branch fitting. 2,275,520; Mar. 10.

Geigy, J. R., A. G. (See Dobler, F., and Buess.)

Geigy, J. R., A. G. (See Keller, Ernst, assignor.)

Geist, William J., Richmond Heights, Mo. Container and method of making the same. 2,275,896; Mar. 10.

Gelbman, Louis, Yonkers, N. Y., E. F. Olsen, and A. B. Mays, Adrian, Mich., assignors, by mesne assignments, of eleven-twentieths to H. F. Andrus and nine-twentieths to L. Gelbman, both of Yonkers, N. Y. Concrete block machine. 2,275,676; Mar. 10.

Gelbman, Louis, et al. (See Gelbman, L., Olsen and Mays.)

General Aniline & Film Corporation. (See Dachlauer, K., and Petri, assignors.)

General Aniline & Film Corporation. (See Fleischhauer, R., and Müller, assignors.)

General Aniline & Film Corporation. (See Duerr, H. H., and Mueller, assignors.)

General Aniline & Film Corporation. (See Fiztky, Wilhelm, assignor.)

General Electric Company. (See Allenby, William F., assignor.)

General Electric Company. (See Arey, Ralph G., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bartlett, Percy, assignor.)

General Electric Company. (See Bellows, Guy, Jr., assignor.)

General Electric Company. (See Boehne, Eugene W., assignor.)

General Electric Company. (See Bondley, R. J., Liebhafsky, and Winslow, assignors.)

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General Electric Company. (See Dunham, George W., assignor.)

General Electric Company. (See Engle, Phillip M., assignor.)

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General Electric Company. (See Hall, William D., assignor.)

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General Electric Company. (See Huntington, Sidney O., assignor.)

General Electric Company. (See Hutt, Philip, assignor.)

General Electric Company. (See Kern, J., and Krefft, assignors.)

General Electric Company. (See Lemmens, Hendricus J., assignor.)

General Electric Company. (See Mallard, Manley T., assignor.)

General Electric Company. (See Michaelis, Lothar, and Davis, assignors.)

General Electric Company. (See Newell, Heber L., assignor.)

General Electric Company. (See Record, Le Roy E., assignor.)

General Electric Company. (See Runaldue, Lewis R., assignor.)

General Electric Company. (See Scheldorf, Marvel W., assignor.)

General Electric Company. (See Seeley, Harold T., assignor.)

General Electric Company. (See Shields, Stanley O., assignor.)

General Electric Company. (See Smith, Ernest A., assignor.)

General Electric Company. (See Trencham, H., and Cox, assignors.)

General Electric Company. (See Warner, Donald F., assignor.)

General Electric Company. (See Williams, E. A., Jr. Schuck, and Clute.)

General Electric Company. (See Willis, C. H., and Edwards, assignors.)

General Mills, Inc. (See Sherwood, R. C., and Andrews, assignors.)

General Motors Corporation. (See Beringer, Roscoe, assignor.)

General Motors Corporation. (See De Orlow, Stephen, assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Harris, Marcus R., assignor.)

General Motors Corporation. (See Hill, Robert H., assignor.)

General Motors Corporation. (See Howard, H. F., and Richards, assignors.)

General Motors Corporation. (See Marvin, J. T., and Patch, assignors.)

General Motors Corporation. (See MacPherson, Earle S., assignor.)

General Motors Corporation. (See Nacker, O. M., and Vargha, assignors.)

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Elmendorf, Armin, Winnetka, Ill. Siding for buildings. 2,276,170; Mar. 10.

Emerson, John. (See Fordyce, C. R., and Emerson.)

Enberg, Stone R., Grosse Pointe, R. H. Walsh, and L. C. Scheuring, assignors to Ainsworth Manufacturing Company, Detroit, Mich. Power bender. 2,275,619; Mar. 10.

Engel, Phillip M., Lansdowne, Pa., assignor to General Electric Company. Operating mechanism. 2,275,892; Mar. 10.

Engelsted, Knud, Riverside, Conn. Meat chopper. 2,275,516; Mar. 10.

Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylol cyanamide-polycarboxylic acid condensation product. 2,276,231; Mar. 10.

Ericson, Richard, assignor to United States Gypsum Company, Chicago, Ill. Flowable heat insulating material and method and apparatus for forming the same. 2,275,816; Mar. 10.

Ettinger, Wallace J., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,275,893; Mar. 10.

Evans, Francis C., Staten Island, assignor to American District Telegraph Company, New York, N. Y. Fire detecting system. 2,275,949; Mar. 10.

Ewell, Robert B., assignor to Universal Oil Products Company, Chicago, Ill. Production of motor fuels. 2,276,171; Mar. 10.

Fafnir Bearing Company, The. (See Carter, Edgar R., assignor.)

Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)

Falconer, James E., Cheswick, Pa. Coal loader. 2,275,950; Mar. 10.

Farmer, Ernest H., Radlett, England, assignor to The British Rubber Producers' Research Association, London, England. Treatment of rubber. 2,275,951; Mar. 10.

Farr, Henry V., Ferguson and J. R. Ruhoff, Normandy, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of scale salts. 2,276,172; Mar. 10.

Fate-Root-Heath Company, The. (See Buzard, Fred T., assignor.)

Fay, Harold C., Floral Park, N. Y. Safety razor. 2,275,517; Mar. 10.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well survey method and apparatus. 2,275,747; Mar. 10.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well surveying method and apparatus. 2,275,748; Mar. 10.

Ferguson, Carl S., Newton, Mass. Method of reclaiming wool. 2,276,173; Mar. 10.

Ferguson, William H., Flint, Mich. Appliance for use in repairing automobile bodies. 2,275,894; Mar. 10.

Feustel, Ernest A., Hasbrouck Heights, N. J. Yarn carrier. 2,275,848; Mar. 10.

Fidelity Union Trust Company, executor, et al. (See Laise, Clemens A.)

Fietinghoff, Sergius C., Los Angeles, Calif., A. R. Maier, Dallas, Tex., and C. F. Van Loozen, Los Angeles, Calif., assignors to Oil Well Supply Company. Oil bath rotary. 2,275,895; Mar. 10.

Finck, Joseph L., Cedarhurst, N. Y., assignor of 30% to I. R. Paris, Washington, D. C. Insulating building and like structures. 2,276,076; Mar. 10.

Fischer, Werner. (See Miescher, K., Fischer, Scholz, and Wettstein.)

Fisher, Edward E., Mountain View, Calif. Display device for garments. 2,275,749; Mar. 10.

Fisher, Harry C., and J. F. Thompson, Cincinnati, and W. E. Sooy, Middletown, assignors to The Gardner-Richardson Company, Middletown, Ohio. Waterproof and greaseproof paper. 2,276,244; Mar. 10.

Fisher, Harry H., Baton Rouge, La., A. E. Parmelee, and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of lead-sodium alloys. 2,276,031; Mar. 10.

Fitzky, Wilhelm, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Tri(hydroxy methyl) acetaldehyde and a process of making it. 2,275,586; Mar. 10.

Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,276,246; Mar. 10.

Fleischhauer, Richard and A. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,276,174; Mar. 10.

Fleming Manufacturing Company. (See Wilkinson, James W., assignor.)

Fleysher, Maurice H., and J. Ogilvie, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation. Phthalocyanine pigment. 2,276,175; Mar. 10.

Flint, Robert B. and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of esters of alpha-methylene open chain aliphatic monocarboxylic acids with frosting drying oil varnishes. 2,276,176; Mar. 10.

Flugger, John C., San Francisco, Calif. Combination shutter, blind and ventilating device. 2,276,177; Mar. 10.

Forcey, George W. (See Abrams, A., Forcey and Wagner.)

Ford, George E., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y. Meat thermometer. 2,276,178; Mar. 10.

Ford, George E., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y. Thermometer and support therefor. 2,276,179; Mar. 10.

Ford, Charles R., assignor, by mesne assignments, to Rex Manufacturing Company, Connersville, Ind. Refrigerator cabinet construction. 2,275,482; Mar. 10.

Ford Motor Company. (See McCarroll, R. H., and Jeter.)

Fordyce, Charles R., and J. Emerson, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation coating. 2,275,817; Mar. 10.

Foss, Burdette W., and W. McGee, Fort Wayne, Ind., said Foss assignor to said McGee. Circuit controller. 2,276,180; Mar. 10.

Foster Bros. Mfg. Company. (See Latimer, George W., assignor.)

Foster, Hallet J., Providence, R. I., assignor to Velveray Corporation of America, Inc. Fabric printing procedure. 2,276,181; Mar. 10.

Frank, Bruce K., Birmingham, H. M. Pryale, Pontiac, W. C. Smith, and W. A. Paxton, Detroit, assignors to Baldwin Rubber Company, Pontiac, Mich. Highway marker. 2,275,518; Mar. 10.

Fraser, Thomas, Aurora, Ill. Apparatus for separating mixed materials. 2,275,849; Mar. 10.

Fredcraft Corporation. (See New, Fred M., assignor.)

Freedman, Benjamin H., Ashbury Park, N. J. Coin package. 2,275,424; Mar. 10.

Freeman, George S. P., Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Method of coating insulating materials on metal objects. 2,275,952; Mar. 10.

Friederichs, Hans, Berlin, Germany. Camera for taking a plurality of photographs on one plate. 2,275,519; Mar. 10.

Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system for towing and mooring winches. 2,275,953; Mar. 10.

Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilization of superpolymers. 2,275,620; Mar. 10.

Gagnier, George E. (See Place, Bion C., assignor.)

Garand, Frederick C., Chicago, Ill. Hoisting apparatus. 2,276,182; Mar. 10.

Gardinor, Elliott W., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Illuminated dial. 2,275,621; Mar. 10.

Gardiner, Robert P. (See Johnson, H. F., Steinle, and Gardiner.)

Gardner, Harry I., assignor to John C. Miller, Chicago, Ill. Drain cleaner. 2,275,850; Mar. 10.

Gardner-Richardson Company, The. (See Fisher, H. C., Thompson, and Sooy, assignors.)

Gardner-Richardson Company, The. (See Sooy, W. E., and von Sydow, assignors.)

Garrison, Edgar W., Jr., assignor to Southern States Equipment Corporation, Birmingham, Ala. Electric fuse device. 2,276,183; Mar. 10.

Garrison, Edgar W., Jr., Birmingham, and G. N. Lemmon, Homewood, assignors to Southern States Equipment Corporation, Birmingham, Ala. Electric fuse. 2,276,184; Mar. 10.

Gatien, Leo E., Ishpeming, Mich. Vehicle heater. 2,275,622; Mar. 10.

Gauthier, Alfred, assignor to Colorvision Ads, Inc., New York, N. Y. Illuminated sign. 2,276,185; Mar. 10.

Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Branch fitting. 2,275,520; Mar. 10.

Geigy, J. R., A. G. (See Dobler, F., and Buess.)

Geigy, J. R., A. G. (See Keller, Ernst, assignor.)

Geist, William J., Richmond Heights, Mo. Container and method of making the same. 2,275,896; Mar. 10.

Gelbman, Louis, Yonkers, N. Y., E. F. Olsen, and A. B. Mays, Adrian, Mich., assignors, by mesne assignments, of eleven-twentieths to H. F. Andrus and nine-twentieths to L. Gelbman, both of Yonkers, N. Y. Concrete block machine. 2,275,676; Mar. 10.

Gelbman, Louis, et al. (See Gelbman, L., Olsen and Mays.)

General Aniline & Film Corporation. (See Dachlauer, K., and Petri, assignors.)

General Aniline & Film Corporation. (See Fleischhauer, R., and Müller, assignors.)

General Aniline & Film Corporation. (See Duerr, H. H., and Mueller, assignors.)

General Aniline & Film Corporation. (See Fiztky, Wilhelm, assignor.)

General Electric Company. (See Allenby, William F., assignor.)

General Electric Company. (See Arey, Ralph G., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bartlett, Percy, assignor.)

General Electric Company. (See Bellows, Guy, Jr., assignor.)

General Electric Company. (See Boehne, Eugene W., assignor.)

General Electric Company. (See Bondley, R. J., Liebhafsky, and Winslow, assignors.)

General Electric Company. (See Britton, K. L., and Eaton, assignors.)

General Electric Company. (See Check, Paul A., assignor.)

General Electric Company. (See Coe, Reginald T., assignor.)

General Electric Company. (See Cox, H. E., and Gibson, assignors.)

General Electric Company. (See Davies, L. J., Warren, and Hamilton, assignors.)

General Electric Company. (See Dellian, Joseph, and Kern, assignors.)

General Electric Company. (See Dunham, George W., assignor.)

General Electric Company. (See Engle, Phillip M., assignor.)

General Electric Company. (See Hahn, William C., assignor.)

General Electric Company. (See Hall, William D., assignor.)

General Electric Company. (See Hermann, Benjamin R., assignor.)

General Electric Company. (See Herskind, Carl C., assignor.)

General Electric Company. (See Howe, Goodwin H., assignor.)

General Electric Company. (See Huntington, Sidney O., assignor.)

General Electric Company. (See Hutt, Philip, assignor.)

General Electric Company. (See Kern, J., and Krefft, assignors.)

General Electric Company. (See Lemmens, Hendricus J., assignor.)

General Electric Company. (See Mallard, Manley T., assignor.)

General Electric Company. (See Michaelis, Lothar, and Davis, assignors.)

General Electric Company. (See Newell, Heber L., assignor.)

General Electric Company. (See Record, Le Roy E., assignor.)

General Electric Company. (See Runaldue, Lewis R., assignor.)

General Electric Company. (See Scheldorf, Marvel W., assignor.)

General Electric Company. (See Seeley, Harold T., assignor.)

General Electric Company. (See Shields, Stanley O., assignor.)

General Electric Company. (See Smith, Ernest A., assignor.)

General Electric Company. (See Trencham, H., and Cox, assignors.)

General Electric Company. (See Warner, Donald F., assignor.)

General Electric Company. (See Williams, E. A., Jr. Schuck, and Clute.)

General Electric Company. (See Willis, C. H., and Edwards, assignors.)

General Mills, Inc. (See Sherwood, R. C., and Andrews, assignors.)

General Motors Corporation. (See Beringer, Roscoe, assignor.)

General Motors Corporation. (See De Orlow, Stephen, assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Harris, Marcus R., assignor.)

General Motors Corporation. (See Hill, Robert H., assignor.)

General Motors Corporation. (See Howard, H. F., and Richards, assignors.)

General Motors Corporation. (See Marvin, J. T., and Patch, assignors.)

General Motors Corporation. (See MacPherson, Earle S., assignor.)

General Motors Corporation. (See Nacker, O. M., and Vargha, assignors.)

General Motors Corporation. (See Rasmussen, Olaf, assignor.)

General Motors Corporation. (See Sahlin, Henry, assignor.)

Genettl, Leon A., and A. A. Drumm, Hazleton, Pa. Multipurpose water distribution device. 2,275,750; Mar. 10.

Gessler, Albert E., assignor to Interchemical Corporation, New York, N. Y. Setting printing ink. 2,275,521; Mar. 10.

Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Pulley construction. 2,276,186; Mar. 10.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,275,522; Mar. 10.

Gibbs, Jesse B., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Adjustable reactance transformer. 2,276,032; Mar. 10.

Gibson, Arthur C. (See Cox, H. E., and Gibson.)

Gibson, William R., Seattle, Wash. Water treatment plant. 2,275,954; Mar. 10.

Gifford, Clayton E., Marion, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Reversible tractor wheel construction. 2,275,897; Mar. 10.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal coating process. 2,276,232; Mar. 10.

Gilman, Lucius. (See Coffman, D. D., and Gilman.)

Glarum, Sivert N. (See Powers, D. H., and Glarum.)

Globe Slicing Machine Co. Inc. (See Gronich, Sam, assignor.)

Globe Slicing Machine Company. (See Hirsch, Fred, assignor.)

Gluyas, Thomas M., Jr., Kansas City, Mo., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Signal combining network. 2,275,587; Mar. 10.

Goellner, John A., assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Weatherstrip. 2,275,955; Mar. 10.

Gold, Nathan, Portland, Oreg. Concealed belt for trouser supports. 2,275,751; Mar. 10.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Microfacsimile system. 2,275,898; Mar. 10.

Goldbeck, Martin, Kansas City, Mo. Silo and building same. 2,275,523; Mar. 10.

Goldberg, Moses W., Zuerich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Cyclic condensation products and process of making same. 2,275,732; Mar. 10.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot-channel protective relaying system. 2,276,033; Mar. 10.

Goldfinger, Hyman, Brooklyn, N. Y. Duster. 2,276,264; Mar. 10.

Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)

Goodrich Electric Company. (See Saaf, Dirk G., assignor.)

Gopperton, Ardath A. (See Sherman, J. Q., and Gopperton.)

Grabec, Josef, Bratislava, Czechoslovakia, assignor of one-half to Adalbert Ledofsky, Bratislava, Czechoslovakia. Composite distensible sheet material. 2,275,425; Mar. 10.

Grace, Nancy B., Ithan, Pa., assignor of one-half to R. S. A. Dougherty, Northampton County, Pa. Book. 2,275,956; Mar. 10.

Graenacher, Charles, Riehen, F. Ackermann, Binningen, and H. Bruengger, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Acyl derivatives of azo dyestuffs and preparing same. 2,276,187; Mar. 10.

Gray, James A., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Container. 2,275,426; Mar. 10.

Green, Isaac H. C. (See Lawson, R. H., and Green.)

Greene, Emmett H., El Monte, Calif. Fruit cooling apparatus. 2,275,588; Mar. 10.

Greenlee, Theodore K., assignor to Barber-Colman Company, Rockford, Ill. Control for air conditioning systems. 2,275,427; Mar. 10.

Greer, Agnes J. R. (See Nyberg, Stone, assignor.)

Greger, Herbert H., Washington, D. C. Fuel gas battery. 2,276,188; Mar. 10.

Grieder, Conrad J., San Francisco, Calif. Meter support for electric service equipment. 2,275,753; Mar. 10.

Grieder, Conrad J., San Francisco, Calif. Electrical service box. 2,275,754; Mar. 10.

Grimes, Thaddeus S., Columbus, Ga., assignor to Lummus Cotton Gin Company. Cotton gin. 2,275,755; Mar. 10.

Groff, Frazier, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Process for coating and laminating materials. 2,275,957; Mar. 10.

Gronich, Sam, Los Angeles, Calif., assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Auxiliary object feeding device for slicing machines. 2,275,524; Mar. 10.

Gronow, Sigurd, Berlin, and H. Lahde, Berlin-Rummelsburg, assignors to Ehrich & Graetz, Aktiengesellschaft, Berlin, Germany. Jet cleaning means. 2,276,034; Mar. 10.

Grosse, Aristid V., and C. B. Linn, Chicago, Ill., assignor to Universal Oil Products Company, Wilmington, Del. Treatment of hydrocarbons. 2,276,189; Mar. 10.

Gruenwald, Louis A., and M. J. Reider, New York, N. Y.; said Reider assignor to said Gruenwald. Deodorization and refining of tung oil. 2,276,233; Mar. 10.

Gull, Henry C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molding laminated articles. 2,276,035; Mar. 10.

Guiberson Oil Heater Company. (See Moore, Richard S., assignor.)

Gulf Research & Development Company. (See Simanton, William A., assignor.)

Gullette, Willis S. (See Pelzer, Harry L., and Gullette.)

Gunnert, Anders R., Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Welding with gas. 2,276,190; Mar. 10.

Gustus, Edwin L., Chicago, Ill., assignor to Wilson & Co., Inc. Medicinal preparation. 2,275,623; Mar. 10.

Hackett, Alfred G., Harborne, Birmingham, and J. L. Edwards, Selly Park, Birmingham, England. Ensuring unidirectional rotation of shafts. 2,276,191; Mar. 10.

Hagan, Andrew D. (See Burns, E. W., and Hagan.)

Hagel, Eugene A., Chicago, Ill. Fluid strainer. 2,275,958; Mar. 10.

Hahn, William C., Schenectady, N. Y., assignor to General Electric Company. High frequency modulating system. 2,276,247; Mar. 10.

Haldeman, James F., Martinsville, Ind. Aquarium water conditioning device. 2,275,428; Mar. 10.

Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Welded ball panel fastener. 2,275,900; Mar. 10.

Hall, William D., Elkins, W. Va., assignor to General Electric Company. Thermal demand attachment for meters. 2,275,899; Mar. 10.

Hallinan, William W., Mendota, Ill. Variable speed pulley. 2,275,429; Mar. 10.

Halmrast, Carl L., Vancouver, British Columbia, Canada. Combination punch for nonmetallic washers. 2,275,525; Mar. 10.

Halowax Corporation. (See Rodgers, William C., assignor.)

Hamachek, Frank, Jr., assignor to Frank Hamachek Machine Company, Kewaunee, Wis. Pea separating apparatus. 2,275,959; Mar. 10.

Hamachek, Frank, Machine Company. (See Hamachek, Frank, Jr., assignor.)

Hamilton, Gavin. (See Davies, L. J., Warren and Hamilton.)

Hanford, William E. (See Alderman, V. V., and Hanford.)

Hanford, William E. (See Cox, N. L., and Hanford.)

Hanford, William E., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of formaldehyde. 2,276,192; Mar. 10.

Hanley, Keenan, Prospect, Ohio. Hydraulic propulsion mechanism for boats and other water vehicles. 2,276,193; Mar. 10.

Hann, Albert G., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,275,624; Mar. 10.

Hanna, Clinton R., Pittsburgh, and S. J. Mikina, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pneumatic thickness gauge. 2,276,036; Mar. 10.

Hannon, Edward F., Jr., Great Bend, Kans., assignor to Baker Oil Tools, Inc., Los Angeles, Calif. Fishing apparatus. 2,275,960; Mar. 10.

Hansen, William W. (See Varian, R. H., Hansen, and Applegate.)

Hanson, Edward S., Jr., Zion, Ill. Crank pin grinder. 2,275,757; Mar. 10.

Hanson, Glen N., Minneapolis, Minn. External combustion motor. 2,275,756; Mar. 10.

Harcourt, Guy N. (See Balmert, C. A., Drinkard and Harcourt.)

Hardesty, Francis D. (See Hull, Alva M., assignor.)

Harris, Marcus R., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Control mechanism for presses. 2,275,758; Mar. 10.

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic motor unit. 2,275,625; Mar. 10.

Harrison, Nell M., Burbank, Calif., assignor to United Aircraft Corporation, East Hartford, Conn. Retractable antenna. 2,275,626; Mar. 10.

Hart, George T., Jr., and E. E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Electrodes for shoe-treating apparatus. 2,275,430; Mar. 10.

Hart, George T., Jr., and E. E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Conveyor system. 2,275,431; Mar. 10.

Hart, Stanley. (See Anderson, H., and Hart.)

Hartford National Bank and Trust Company, as trustee. (See Manders, Theodorus J. J. A., assignor.)

Hartmann, Milford W., Hutchinson, Kans. Pumping system. 2,275,627; Mar. 10.

Harwood, Henry R. (See Harwood, W. G., assignor.)

Harwood, Willie G., Dickinson, Tex., assignor of one-half to H. R. Harwood. Apparatus for preparing foods. 2,275,901; Mar. 10.

Hasenburger, Henry, Newark, N. J., and H. W. Corbett, assignors to Prebilt Housing Corporation, New York, N. Y. Outlet stack construction for building heating systems. 2,275,902; Mar. 10.

Hasse, Joseph W. (See Keillor, E. M., and Hasse.)

Hauser, Joseph L. (See Houston, E. R., Dachlet and Hauser.)

Heberlein, Georges, and E. Weiss, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Process for treating fabrics and like materials to produce effects therein and products therefrom. 2,275,851; Mar. 10.

Heberlein Patent Corporation. (See Heberlein, Georges, and Weiss, assignors.)

Hecht, George, Astoria, N. Y., and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,276,037; Mar. 10.

Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,276,038; Mar. 10.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,275,759; Mar. 10.

Heller, Herman S., West Los Angeles, Calif. Multiple lane magnetic sound recording system. 2,275,961; Mar. 10.

Hemphill Company. (See Lawson, R. H., and Green, assignors.)

Hensel, Walter C., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,275,432; Mar. 10.

Herbster, George, assignor to J. H. Leonard, Cleveland, Ohio, trustee. Safety ignition and control device for burners. 2,275,962; Mar. 10.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Osterhof, Arthur L., assignor.)

Herman, Kenneth R., and K. Seidel, assignors to Vickers Incorporated, Detroit, Mich. Valve for power transmission. 2,275,963; Mar. 10.

Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Maintenance tool. 2,275,903; Mar. 10.

Herold, James L., and W. J. Nekola, St. Louis, and F. W. Wehmiller, Ladue, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Conveying apparatus. 2,275,433; Mar. 10.

Herskind, Carl C., Schenectady, N. Y., assignors to General Electric Company, New York, N. Y. Electrode assembly. 2,275,852; Mar. 10.

Hess, Theodore. (See Thorn, R. J., and Hess.)

Higginson, Joseph H., and H. C. Riggs, Andover, assignors to Riggs & Lombard, Incorporated, Lowell, Mass. Dyeing apparatus. 2,275,818; Mar. 10.

Highberg, George A. (See Sloan, H. E. and H. E., Jr., and Highberg.)

Hill, Robert H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Nonoverfill device. 2,275,526; Mar. 10.

Hirsch, Fred, Los Angeles, Calif., assignor to Globe Slicing Machine Company, Stamford, Conn. Auxiliary motorized base for reciprocating at will the object holder of slicing machines. 2,275,527; Mar. 10.

Hirschstein, Joseph, Cleveland, Ohio. Sealing means. 2,275,628; Mar. 10.

Hoard, Bert V. (See Bostwick, M. A., and Hoard.)

Hobart Manufacturing Company, The. (See Meeker, D. A., and Wallace, assignors.)

Hobson, Lloyd L., Marshall, Mich., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal blasting machines. 2,275,434; Mar. 10.

Hochreiner, Leopold, New York, N. Y. Self-locking safety pin. 2,276,194; Mar. 10.

Hoe, R., & Co. (See Huck, William F.)

Hoffman, Ralph R., Dallas, Tex. Hasp and staple fastener. 2,275,760; Mar. 10.

Hoffmann, Alfred A., Rochester, N. Y. Shipping container. 2,275,761; Mar. 10.

Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Chaser and chaser holding means. 2,275,435; Mar. 10.

Holcomb, Philo, Jr., Great Neck, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph system and apparatus therefor. 2,275,436; Mar. 10.

Holmes, Clifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motorized valve. 2,276,195; Mar. 10.

Hommer, Julius, Union, N. J., assignor to Lapin Products, Inc., New York, N. Y. Curler. 2,276,196; Mar. 10.

Hood, Henry J., assignor to Eastman Kodak Company, Rochester, N. Y. Progressive slide separator. 2,275,819; Mar. 10.

Hooker Electrochemical Company. (See Maude, Aylmer H., assignor.)

Hopkins, Harvey C., Chappaqua, assignor to American Can Company, New York, N. Y. Can spraying machine. 2,275,437; Mar. 10.

Horn, Charles L. (See Reed, Cortes F., assignor.)

Horowitz, Isaac B., New York, N. Y. Automotive transmission. 2,276,258; Mar. 10.

Horther, George J., Flushing, N. Y. Electric resistance lighter. 2,276,039; Mar. 10.

Horton, Roger F., Hempstead, assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical connecting means. 2,275,762; Mar. 10.

Hosking, Oakley W., Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn. Pneumatic valve. 2,275,820; Mar. 10.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of preparing sheet material. 2,275,438; Mar. 10.

Houk, Alva L. (See Bock, L. H., and Houk.)

Houston, Elmer R., Riverside, J. F. Dachlet, and J. L. Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill. Locking mechanism for cabinet drawers and the like. 2,276,197; Mar. 10.

Howald, Arthur M., and K. D. Meiser, assignor to Plaskon Company, Incorporated, Toledo, Ohio. Formaldehyde-urea adhesive. 2,275,821; Mar. 10.

Howard, Jessie. (See Ybanez, Hiram A., assignor.)

Howe, Goodwin H., Scotia, N. Y., assignor to General Electric Company. Magnet structure. 2,275,904; Mar. 10.

Hueber, Carl J., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machines. 2,275,439; Mar. 10.

Huebner, William C., New York, N. Y. Image reverser for cameras. 2,275,905; Mar. 10.

Howard, Harold F., and W. Richards, Flint, assignors to General Motors Corporation, Detroit, Mich. Making valves. 2,275,763; Mar. 10.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing plate locking device. 2,275,764; Mar. 10.

Huggins, Owen R., South Norwalk, Conn., assignor to Linotone Corporation. Creating a marginally reduced reproductions of design elements. 2,275,580; Mar. 10.

Hull, Alva M., assignor of one-fifth to Francis D. Hardesty, Detroit, Mich. Structural element. 2,276,040; Mar. 10.

Hummert, Robert H., and C. W. Nixon, assignors to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Portable light. 2,275,765; Mar. 10.

Humphrey, Walter E., Jeannette, Pa. Method and apparatus for covering balls. 2,275,440; Mar. 10.

Hutt, Philip, Milford, Conn., assignor to General Electric Company, New York, N. Y. Electric switch. 2,275,853; Mar. 10.

Hydraulic Brake Company. (See Bowen, Myron W., assignor.)

Hydraulic Brake Company. (See Swift, Harvey C., assignor.)

Huntington, Sidney O., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,275,906; Mar. 10.

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing chlorosulphonates. 2,276,041; Mar. 10.

Indianapolis Wire Bound Box Company. (See Langell, Dan S., assignor.)

Ingels, James J., Chicago, Ill. Multiple rolling machine. 2,275,629; Mar. 10.

Ingersoll Milling Machine Company. (See Kraus, Charles E., assignor.)

Interchemical Corporation. (See Gessler, Albert E., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Doty, Charles R., assignor.)

International Business Machines Corporation. (See Gardiner, Elliott W., assignor.)

International Business Machines Corporation. (See Johnson, Reynold B., assignor.)

International Business Machines Corporation. (See Nichols, Harry J., assignors.)

International Business Machines Corporation. (See Rast, Frederick Q., assignor.)

International Cigar Machinery Company. (See Durning, James P., assignor.)

International Nickel Company, Inc., The. (See Pilling, N. B., and Straub, assignors.)

International Standard Electric Corporation. (See Terman, Frederick E., assignor.)

International Standard Electric Corporation. (See Byrne, P. F., and Kandoian, assignors.)

International Standard Electric Corporation. (See Kamayachi, Z-I, and Ishii, assignors.)

International Standard Electric Corporation. (See New, Archibald A., assignor.)

Ironsides Company, The. (See Bell, George, assignor.)

Ishii, Kenichi. (See Kamayachi, Z-I, and Ishii.)

Jacobs, E. H., Manufacturing Company. (See Carter, Latt J., assignor.)

Jacobson, Ernest V., Ironwood, Mich. Wire rope construction. 2,276,042; Mar. 10.

Jacobsen, Oystein, Johnson Road, R. R. No. 5, assignor to The Duriron Company, Inc., Dayton, Ohio. Pump impeller. 2,276,077; Mar. 10.

Jasco, Incorporated. (See Mueller-Cunradi, M., Cantzler, and Krekeler, assignors.)

Jeffries, Ernest. (See Sturm, R. G., and Jeffries.)
Jennings Silver Company. (See Werfel, Harry A., assignor.)
Jeter, Edgar C. (See McCarroll, R. H., and Jeter.)
Johns, Francis J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Centrifugal switch. 2,276,043; Mar. 10.
Johns-Manville Corporation. (See Scull, Henry E., assignor.)
Johnson, Alfred K., Chicago, Ill. Abrasive tool. 2,275,766; Mar. 10.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Refolding device. 2,275,822; Mar. 10.
Johnson, Clarence R., Gary, Ind. Telescopic gun sight. 2,275,631; Mar. 10.
Johnson, Frank W. (See Carter, A. S., and Johnson.)
Johnson, Herbert F., Jr., Caledonia, J. Y. Steinle and R. P. Gardiner, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax powder refining. 2,275,630; Mar. 10.
Johnson, Oscar W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Folding machine. 2,275,964; Mar. 10.
Johnson, Reynold B., Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Educational device. 2,275,590; Mar. 10.
Johnson, Rudolph A. (See Reppert, R., and Johnson.)
Johnson, S. C., & Son, Inc. (See Johnson, H. F., Jr., Steinle, and Gardiner, assignors.)
Johnson, S. C., & Son, Inc. (See Steinle, J. V., and Budner, assignors.)
Johnson, S. C., & Son, Inc. (See Steinle, J. V., and McLoud assignors.)
Johnston, Arthur A., Spokane, Wash. Mineral concentrator. 2,276,044; Mar. 10.
Jones, Bliss M., assignor to Rodney Hunt Machine Company, Orange, Mass. Apparatus for drying and conditioning. 2,275,854; Mar. 10.
Jones, Franklin D., Upper Darby, assignor to American Chemical Paint Company, Ambler, Pa. Method of treating seed. 2,276,234; Mar. 10.
Joseph, Felix A., Hong Kong. Apparatus for setting fuses of projectiles. 2,275,855; Mar. 10.
Joslin, C. E., et al. (See Turner, Howard H., assignor.)
Joslin, M. E., et al. (See Turner, Howard H., assignor.)
Joyce, Bryan P., East Orange, N. J. Hydraulic gun barrel brake mechanism. 2,275,632; Mar. 10.
Jubilee Manufacturing Co. (See Musser, Charles W., assignor.)
Julian, Charles W., Detroit, Mich. Cigarette case ejector mechanism. 2,275,965; Mar. 10.
Jullien, Maurice F. A., Paris, France. Antivibration resilient support. 2,275,966; Mar. 10.
Justrite Manufacturing Company. (See Packer, Charles S., assignor.)
Kahler, Edwin H. (See Brodbeck, A. H., and Kahler.)
Kahler, Edwin H. (See Stockstrom, A., Burnside and Kahler.)
Kahn, Joseph N., Hollis, N. Y. Shade roller bracket attachment. 2,275,907; Mar. 10.
Kahn, Mack, Cedarhurst, N. Y. Foundation garments. 2,275,528; Mar. 10.
Kahn, Milton, Long Island City, assignor to Novelart Mfg. Co., New York, N. Y. Envelope. 2,275,767; Mar. 10.
Kamayachi, Zen-Ichi, and K. Ishii, Shibaku, Tokyo, Japan, assignors to International Standard Electric Corporation, New York, N. Y. Photocell. 2,276,198; Mar. 10.
Kandolan, Armig G. (See Byrne, P. F., and Kandolan.)
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,275,441; Mar. 10.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle holder for mixing machines. 2,275,823; Mar. 10.
Karmel, Philip. (See Norton, C., Karmel and Tucker.)
Kassel, Louis S., assignor to Universal Oil Products Company, Chicago, Ill. Production of iso-octane. 2,276,199; Mar. 10.
Kattermann, Emil D., assignor to Swiss Knitting Company, Dover, N. J. Girdle. 2,276,045; Mar. 10.
Kauffmann, Heinz, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Sound recording device. 2,276,200; Mar. 10.
Kaye, James W., assignor to Kaye & MacDonald, Inc., West Orange, N. J. Steam trap. 2,276,201; Mar. 10.
Kaye & MacDonald, Inc. (See Kaye, James W., assignor.)
Kellor, Eugene M., and J. W. Hasse, Muskegon, Mich., assignors to Anaconda Wire & Cable Company, New York, N. Y. Electrical coil. 2,275,967; Mar. 10.
Keiser, John, Windsor, Colo. Dual wheel wrench. 2,275,633; Mar. 10.
Keller, Ernst, assignor to J. R. Geigy, A. G., Basel, Switzerland. Stilbene dyestuffs and their manufacture. 2,276,202; Mar. 10.
Kelley-Koett Manufacturing Company, The. (See Lowitzsch, Kurt, assignor.)
Kelly, George, assignor of one-fourth to W. W. Lyons, one-fourth to B. Kobe, both of Burgettstown, one-eighth to L. C. Bloom, and one-eighth to G. I. Bloom, both of Washington, Pa. Reclining chair. 2,275,908; Mar. 10.
Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Trackway apparatus for automatic train control. 2,275,909; Mar. 10.
Kennedy, Harry E., Berkeley, Calif., assignor to The Linde Air Products Company. Method of welding. 2,275,910; Mar. 10.
Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Feeding and treating material. 2,275,442; Mar. 10.
Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)
Kern, Josef. (See Dellian, Joseph, and Kern.)
Kern, Josef, and H. Krefft, Berlin-Schoneberg, Germany, assignors to General Electric Company. Electric lamp. 2,275,768; Mar. 10.
Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation of allyl halides and substituted allyl halides. 2,276,203; Mar. 10.
Kiessling, Max, Waterbury, Conn. Machine for affixing slide fastener elements to tapes. 2,275,769; Mar. 10.
Kilgore Development Corporation. (See Kilgore, Lowell B., assignor.)
Kilgore, Lee A., Wilkinsburg, and H. C. Myers, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Rectifier anode. 2,276,046; Mar. 10.
Kilgore, Lowell B., assignor to Kilgore Development Corporation, Washington, D. C. Chemical light filter. 2,276,204; Mar. 10.
Kilner, Louis, assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin cleaning apparatus. 2,275,770; Mar. 10.
Kimbel, Guy J., Clinton, Ill. Power driven balloon. 2,275,771; Mar. 10.
King, Harold D., Medina, Ohio, assignor to American Hard Rubber Company, New York, N. Y. Cover for cooler cabinets. 2,276,205; Mar. 10.
Kinsella, Edward, and A. Cross, Spondon, near Derby, England. Circular looms. 2,275,529; Mar. 10.
Kirby, Walter G., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Process of reclaiming rubber. 2,276,248; Mar. 10.
Kirkpatrick, Glen A., assignor to Eastman Kodak Company, Rochester, N. Y. Autocollimating reflector. 2,275,824; Mar. 10.
Kissinger, Jacob R., San Diego, Calif. Necktie rack. 2,275,968; Mar. 10.
Klaue, Hermann, Berlin-Frohnau, Germany. Automatically acting adjusting device for friction brakes. 2,276,206; Mar. 10.
Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Pump. 2,276,207; Mar. 10.
Kline, Hayden R., Cleveland, Ohio. Method of manufacturing hairy yarn. 2,276,208; Mar. 10.
Knausenberger, Georg E., Berlin, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Circuit for the electric transmission of intelligence. 2,275,530; Mar. 10.
Kobe, Benjamin, et al. (See Kelly, George, assignor.)
Koch, Leroy J., New Port Richey, Fla. Kitchen wall cabinet. 2,275,772; Mar. 10.
Kongsted, August J. H., Copenhagen, Denmark. Sterol-like preparation. 2,275,969; Mar. 10.
Kost, Harold W. Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Fastening device. 2,275,773; Mar. 10.
Kozanowski, Henry N., Collingswood, N. J., and I. E. Mouromtseff, Montclair, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Carrier frequency modulation. 2,275,970; Mar. 10.
Kraissl, Frederick, Jr., North Hackensack, N. J. Compression or vacuum machine. 2,275,774; Mar. 10.
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and machine for milling. 2,275,443; Mar. 10.
Krekeler, Hans. (See Mueller-Cunradi, M. Cantzler, and Krekeler.)
Krefft, Hermann. (See Kern, J., and Krefft.)
Kruse, Herman, assignor to Lehigh Engineering Company, Philadelphia, Pa. Drapery hanger. 2,276,209; Mar. 10.
Kuhn, George, Silver Spring, Md. Fluid treating apparatus. 2,275,444; Mar. 10.
Kuenzli, Walter A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,275,677; Mar. 10.
Kunz, Olan A., Santa Rosa, Calif. Internal combustion engine. 2,275,775; Mar. 10.
Kürth, Alfred, Montivideo-Pocitos, Uruguay. Lip coloring device. 2,276,047; Mar. 10.
Laclede Steel Company. (See Young, L., and Boyle, assignors.)
Lahde, Hermann. (See Gronow, S., and Lahde.)
Laise, Clemens A., deceased, Tenafly, by Fidelity Union Trust Company of Newark, and R. Sievert, Weehawken Township, executors, assignor to Callite Tungsten Corporation, Union City, N. J. Lamp making method. 2,276,048; Mar. 10.
Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,275,531; Mar. 10.

Lake City Malleable Co., The. (See Mueller, Ralph J., assignor.)
Lalich, Joseph J. (See Copley, Alfred L., assignor.)
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Radio compass. 2,276,235; Mar. 10.
Lamberger, Edward H., Wilkinsburg, and B. F. Langer, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oil well strain gauge. 2,275,532; Mar. 10.
Lancor, Joseph H., Jr. (See Draper, C. S. and Lancor, Jr.)
Landis Machine Company. (See Wolf, Eugene G., assignor.)
Landy, William R., Minneapolis, Minn. Christmas tree illuminating system. 2,275,533; Mar. 10.
Lane, Carl D., Torrance, and C. H. Duffy, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Acid purification and recovery process. 2,276,210; Mar. 10.
Lane, George M. B., Los Angeles, and B. K. Bird, Inglewood, Calif. Heavier-than-air craft. 2,275,777; Mar. 10.
Lang, Gerould T., and W. Butterfield, Rochester, N. Y., assignors to Eastman Kodak Company. Method of making paper. 2,275,776; Mar. 10.
Lane, John M., Dayton, Ohio. Extensible costumer. 2,276,211; Mar. 10.
Lang, Charles A., assignor to Langage, Inc., Minneapolis, Minn. Gauging apparatus. 2,276,212; Mar. 10.
Langage, Inc. (See Lang, Charles A., assignor.)
Langell, Dan S., assignor to Indianapolis Wire Bound Box Company, Indianapolis, Ind. Shipping means for lawn mowers. 2,276,213; Mar. 10.
Langer, Bernard F. (See Lamberger, E. H., and Langer.)
Langhauser, Isabel, et al. (See Purves, Andrew, assignor.)
Langsdorf, Alexander S., St. Louis, Mo. Anaesthesia apparatus. 2,275,534; Mar. 10.
Lapin Products, Inc. (See Hommer, Julius, assignor.)
Lapidus, Leah. (See Schwartz, Morris, assignor.)
La Plant-Choate Manufacturing Company. (See Austin, E. W., and Rockwell, assignors.)
Lasnik, Edward. (See MacPherson, John, assignor.)
Latimer, George W., Baltimore, assignor to Foster Bros. Mfg. Company, Inc., Baltimore, Md. Stretcher supporting frame. 2,276,236; Mar. 10.
Laval Steam Turbine Company. (See Broadhurst, Frank S., assignor.)
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Methods of and machine for assembling shoe parts. 2,275,445; Mar. 10.
Lawson, Robert H., Pawtucket, and I. H. C. Green, assignors to Hemphill Company, Central Falls, R. I. Yarn binder for knitting machines. 2,276,214; Mar. 10.
Lawson, Robert W. (See Pope, H. C., and Lawson.)
Leibus, Franklin L., Longview, Tex. Retriever tool. 2,275,911; Mar. 10.
Lederle, Ekbert, Ludwigshafen, and R. Brill, Heidelberg, Germany. White pigment and the process of preparing the same. 2,275,856; Mar. 10.
Ledofsky, Adalbert. (See Grabec, Josef, assignor.)
Lee, Donbee P., Larchmont, N. Y. Means for preventing cigarettes from drying out. 2,276,217; Mar. 10.
Leeper, Lawrence W., Dallas, Tex. Agricultural machine. 2,275,446; Mar. 10.
Legg, Victor E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 2,275,448; Mar. 10.
Lehigh Engineering Company. (See Kruse, Herman, assignor.)
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,276,215; Mar. 10.
Lehmann, Herbert G., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 2,276,216; Mar. 10.
Lehmann, Karl, Essen, Ruhr, Germany. System of working bedlike deposits, particularly thick beds of lignite and mineral coal. 2,275,912; Mar. 10.
Leighton, John W., Port Huron, Mich. Shackle structure. 2,276,049; Mar. 10.
Leighton, John W., Port Huron, Mich. Method of connecting pins to bars. 2,276,050; Mar. 10.
Leipert, Edward, College Point, Long Island, N. Y., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Marine engine exhaust manifold. 2,275,634; Mar. 10.
Leischner, George, Bonigen near Interlaken, Switzerland. Regulating transformer. 2,276,051; Mar. 10.
Leith, Robert E., Seattle, Wash. Ski binding. 2,275,913; Mar. 10.
Lemmens, Hendricks J., Eindhoven, Netherlands, assignor to General Electric Company. Wire seal, particularly for use in incandescent lamps and discharge tubes. 2,276,218; Mar. 10.
Lemmon, George N., Homewood, assignor to Southern States Equipment Corporation, Birmingham, Ala. Interlocked switch. 2,276,219; Mar. 10.
Lemmon, George N. (See Garrison, E. W., and Lemmon.)
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot-channel protective relaying system. 2,275,971; Mar. 10.
Leonard, John H., Avon Lake, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Molding method and insert for molded articles. 2,275,591; Mar. 10.
Leonard, John H., as trustee. (See Herbster, George, assignor.)
Le Veille, Wilfred D., Sr., Dade City, Fla. Paper container for smudge oil. 2,276,220; Mar. 10.
Lewis, Warren K., Newton, Mass., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of hydrochloric acid. 2,275,825; Mar. 10.
Leyland, Thomas, Machinery Co. (See Shute, Charles W., assignor.)
Lieber, Eugene, Linden, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Producing of valuable addition agents for lubricating oils. 2,275,447; Mar. 10.
Liebhafsky, Herman A. (See Bondley, R. J., Liebhafsky, and Winslow.)
Lincoln Engineering Company. (See Klein, Victor G., assignor.)
Linde Air Products Company. (See Kennedy, Harry E., assignor.)
Lindenblad, Nils E., Rocky Point, Long Island, N. Y., assignor to Radio Corporation of America. High voltage generator. 2,275,635; Mar. 10.
Lindsay, Harvey B., Evanston, Ill. Forming-die apparatus. 2,276,052; Mar. 10.
Linn, Carl B. (See Grosse, Aristid V., and Linn.)
Linotone Corporation. (See Huggins, Owen R., assignor.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Livak, John E. (See Taylor, F. L., and Livak.)
Lorenz, Anton. (See Luckhardt, H., and Lorenz.)
Lorenz, C., Aktiengesellschaft. (See Kauffmann, Heinz, assignor.)
Lorenz, C., Aktiengesellschaft. (See Tull, Hansheinrich, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wiessner, A., and Nitz, assignors.)
Lorenz, George, Yonkers, N. Y. Bird nest holder. 2,275,914; Mar. 10.
Lotz, Meyran A., Mount Vernon, N. Y. Copying machine. 2,275,778; Mar. 10.
Lowitzsch, Kurt, New York, N. Y., assignor to The Kelley-Koett Manufacturing Co., Inc., Covington, Ohio. Cassette frame for X-ray use. 2,275,857; Mar. 10.
Lowry, Ronald P., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for mixing cement. 2,276,237; Mar. 10.
Luckhardt, Hans, and A. Lorenz, Berlin, Germany. Adjustable reclining chair. 2,276,053; Mar. 10.
Ludwig, Leon R., Wilkinsburg, and E. F. W. Beck, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-clearing lightning arrester. 2,276,054; Mar. 10.
Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
Lundstrom, Alexis A. (See Hecht, G., and Lundstrom.)
Lyons, William W., et al. (See Kelly, George, assignor.)
Mack Manufacturing Corporation. (See Leipert, Edward, assignor.)
MacMahon, James D. (See Dubeau, A. L., MacMahon, and Vincent.)
MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Gearshift control. 2,275,779; Mar. 10.
MacPherson, John, assignor of fifty per cent to Edward Lasnik, Erie, Colo. Kicker for the duckbills of coal loaders. 2,276,238; Mar. 10.
Magill, Donald G., Great Neck, assignor to American Can Company, New York, N. Y. Container. 2,275,449; Mar. 10.
Magnani, Alessandro, Broni, Italy, assignor to F. L. Smidth & Co. A. S., Copenhagen, Denmark. Calendering machine. 2,275,535; Mar. 10.
Magnesen, Charles D., Chicago, Ill. Bearing seal. 2,276,221; Mar. 10.
Magnetic Tool Company. (See Rybolt, Ora M., assignor.)
Magyar Ruggyantaarugyar Reszvenytarsasag. (See Torok, George, assignor.)
Maier, August R. (See Fietinghoff, S. C., Maier, and Van Loozen.)
Maisto, Anthony, Brooklyn, N. Y. Hot vegetable holder. 2,275,536; Mar. 10.
Malcolm, Robert, Chicago, Ill. Ophthalmic device. 2,276,222; Mar. 10.
Mallard, Manley T., Fairfield, Conn., assignor to General Electric Company. Taping device. 2,275,858; Mar. 10.
Mallinckrodt Chemical Works. (See Farr, H. V., and Ruhoff, assignors.)
Maloney, Frank P., Fort Worth, Tex. Machine and method of forming meat. 2,275,780; Mar. 10.
Maloney, Frank H., Elmhurst, Long Island, assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y. Dispensing device. 2,275,972; Mar. 10.
Manderfeld, Emanuel C., Los Angeles, Calif., assignor to Western Electric Company, Incorporated. Film sound recording system. 2,275,537; Mar. 10.

Manders, Theodorus J. J. A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, trustee, Hartford, Conn. Searchlight installation. 2,276,223; Mar. 10.

Mangini, Nicholas, Waterbury, Conn. Combination ignition switch locks. 2,275,781; Mar. 10.

Mann, Miles H., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,275,782; Mar. 10.

Manson, Frank G., Dayton, Ohio. Safety belt. 2,275,450; Mar. 10.

Mantle Lamp Company of America, The. (See Bramming, Carl, assignor.)

Marathon Paper Mills Company. (See Abrams, A., Forcey, and Wagner, assignors.)

Marchbanks, Stanton S., Chattanooga, Tenn. Hospital bed. 2,275,973; Mar. 10.

Marhoefer, Laurence J. (See Vidal, E. L., and Marhoefer.)

Marine Magnesium Products Corporation. (See Clarke, Robert E., assignor.)

Marks, Gus M., and R. B. Drew, Oakland, Calif., said Drew assignor to Fred W. Carstens. Dusting brush. 2,276,078; Mar. 10.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Overarm structure. 2,275,783; Mar. 10.

Martin, Erle. (See Caldwell, F. W., and Martin.)

Marvin, John T., and E. S. Patch, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Lubricating system. 2,275,538; Mar. 10.

Mason, Frank. (See Myers, T. G., and Mason.)

Mason, William C., Albany, N. Y. Liquid fuel burner. 2,275,678; Mar. 10.

Mastenbrook, Henry J., assignor to The Swartwout Company, Cleveland, Ohio. Method of and apparatus for desuperheating. 2,276,055. Mar. 10.

Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Sweep circuit for cathode ray tube distributors. 2,275,974; Mar. 10.

Mathieson Alkali Works, Inc., The. (See Dubeau, A. L., MacMahon, and Vincent, assignors.)

Mathieson Alkali Works, Inc., The. (See Moseley, William C., assignor.)

Matthews, Emil C., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call indicator. 2,275,539; Mar. 10.

Mattke, Charles F., Jackson Heights, N. Y., and R. V. Terry, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound film projector for television scanning. 2,275,540; Mar. 10.

Maude, Aylmer H., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Production of chlorine and sodium sulphate. 2,276,079; Mar. 10.

Maurer, J. A., Inc. (See Berndt, Eric M., assignor.)

Maurer, Siegfried, and H. O. Wiles, Chicago, Ill., assignors to Armour and Company. Production of corrective nutriment. 2,275,784; Mar. 10.

Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Producing pressure tight tube and tube-sent connections. 2,275,451; Mar. 10.

Maynard, Todd, Chicago, Ill. Device for firing blank cartridges before microphones. 2,276,056; Mar. 10.

Mays, Arthur B. (See Gelbman, L., Olsen, and Mays.)

Mazer, Jacob, Elkins Park, Pa. Acoustical material. 2,275,859; Mar. 10.

McCarroll, Russell H., and E. C. Jeter, assignors to Ford Motor Company, Dearborn, Mich. Mold. 2,275,785; Mar. 10.

McCaslin, John P., Fort Thomas, Ky., assignor to The Andrews Steel Company. Filler device edge rolling machines. 2,276,080; Mar. 10.

McCormick, Bradley T., assignor to Wagner Electric Corporation, St. Louis, Mo. Split-phase motor. 2,276,057; Mar. 10.

McDonald, Donald B., Quitman, Ga. Dispensing apparatus. 2,275,915; Mar. 10.

McFarland, Winfield S., Culver, Ind. Trap. 2,275,636; Mar. 10.

McGee, Walter. (See Foss, Burdette W., assignor.)

McGlone, Edgar B., assignor to Peers & McGlone, Pine Bluff, Ark. Venetian blind slat. 2,275,975; Mar. 10.

McGrew, Edwin H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,276,081; Mar. 10.

McIntyre, Bronwer D., Monroe, J. M. Nickelsen, Ann Arbor, Mich., and A. Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich. Combined stabilizer and strut construction. 2,275,637; Mar. 10.

McLatchie, Andrew. (See Bremner, Claude M., assignor.)

McLoud, Elbert S. (See Steinle, J. V., and McLoud.)

McNally, James G. (See Dickey, J. B., and McNally.)

McQuaid, Charles W., Des Moines, Iowa. Air valve. 2,275,786; Mar. 10.

Meacham, Larned A., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized vacuum tube oscillator. 2,275,452; Mar. 10.

Mead, Harry A., Glendale, assignor to Modern Containers, Inc., Los Angeles, Calif. Folding, sealing, and cutting mechanism. 2,275,976; Mar. 10.

Meade, Harold W., Covington, Ind. Fuel lift carburetor. 2,275,541; Mar. 10.

Means, Winthrop J., Ridgewood, N. J., and T. Slonczewski, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Means for calibrating scales. 2,275,977; Mar. 10.

Medoff, William, Brooklyn, N. Y. Protective shield. 2,275,787; Mar. 10.

Meeker, David A., and De L. D. Wallace, assignors to The Hobart Manufacturing Company, Troy, Ohio. Sterilizer. 2,275,788; Mar. 10.

Meiser, Kenneth D. (See Howald, A. M., and Meiser.)

Memovox, Inc. (See Banning, Frederick D., assignor.)

Menges, William L. R., St. Louis, Mo. Container. 2,275,542; Mar. 10.

Menihan, Hugh, assignor to American Bank Note Company, New York, N. Y. Method of making printed articles. 2,275,592; Mar. 10.

Mervis, Lou. (See Cullin, Jasper F., assignor.)

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,275,789; Mar. 10.

Meyer, Adolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden Switzerland. Constant pressure gas turbine. 2,275,543; Mar. 10.

Meyers, Joe W., Weleetka, Okla. Boot boat. 2,276,082; Mar. 10.

Michaelis, Lothar, Washington, D. C., and D. M. Davis, Schenectady, N. Y., assignors to General Electric Company. Volt-ampere indicator. 2,275,860; Mar. 10.

Midyette, John T., Jr., New Rochelle, assignor to Au-Temp-Co Corporation, New York, N. Y. Temperature control system. 2,276,058; Mar. 10.

Miehle Printing Press and Manufacturing Company. (See Dudley, Edward F., assignor.)

Miescher, Karl, Riehen, W. Fischer, C. Scholz, and A. Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Aldehydes of the saturated and unsaturated pregnane-series and process of making same. 2,275,790; Mar. 10.

Miess, Fred, Gary, Ind. Ignition apparatus. 2,275,861; Mar. 10.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Double exposure prevention. 2,275,791; Mar. 10.

Mikeska, Louis A. (See Lieber, E., and Mikeska.)

Mikina, Stanley J. (See Hanna, C. R., and Mikina.)

Miller, Ida D. E., Kelso, Wash. Crochet kit. 2,275,545. Mar. 10.

Miller, John C. (See Gardner, Harry I., assignor.)

Miller, John W., and H. C. Thrasher, Parkersburg, W. Va., assignors to American Viscose Corporation, Marcus Hook, Pa. Apparatus for winding skeins of yarn. 2,275,544; Mar. 10.

Miller, Rudolph W., Winona, Minn. Locomotive Journal lubricator. 2,275,453; Mar. 10.

Miller, Thomas G., McDonald, Pa. Interlocking fastener element. 2,275,454; Mar. 10.

Milwaukee Gas Specialty Company. See Wetzel, Theodore A., assignor.)

Miner, Irving O., East Providence, assignor to Builders Iron Foundry, Providence, R. I. Telemetering system. 2,275,638; Mar. 10.

Mingle, Joseph P., Muncie, Ind., assignor to Ball Brothers Company. Setting over mechanism. 2,275,978; Mar. 10.

Minneapolis-Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)

Minnesota Mining & Manufacturing Company. (See Alliss, Charles C., assignor.)

Minnesota Mining & Manufacturing Company (See Anderson, Arthur A., assignor.)

Minnesota Mining & Manufacturing Company. (See Anderson, A. A., and Munson, assignors.)

Mishawaka Rubber and Woolen Manufacturing Company, (See Bodle, Virgil H., assignor.)

Mitchell, Robert, Co. Limited, The. (See Woelfel, Harold M., assignor.)

Mix & Genest Aktiengeselischaft. (See Knausenberger, Georg E., assignor.)

Mnookin, Nathan M., Kansas City, Mo., assignor to Speas Development Co. Glycerine fermentation process. 2,275,639; Mar. 10.

Modern Containers, Inc. (See Mead, Harry A., assignor.)

Moeller, William J., Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company. Molded cement product and manufacture of same. 2,276,083; Mar. 10.

Molnar, Nicholas M., New York, N. Y. Sodium perborate preparation. 2,275,979; Mar. 10.

Monarch Metal Weatherstrip Corporation. (See Goellner, John A., assignor.)

Moon, Charles R., Muncie, Ind., assignor to Ontario Manufacturing Company. Grinding and polishing machine. 2,276,059; Mar. 10.

Moore, Richard S., Grand Prairie, assignor, by mesne assignments, to Guiberson Oil Heater Company, Dallas, Tex. Burner. 2,275,980; Mar. 10.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,276,249; Mar. 10.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,276,250; Mar. 10.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,276,251; Mar. 10.

Moseley, William C., Lake Charles La., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Causticization of sodn. 2,275,792. Mar. 10.

Motto, Mary, Denver, Colo. Cleaning device. 2,275,546; Mar. 10.

Monroe Auto Equipment Company. (See McIntyre, B. D., Nickelsen, and Boor, assignors.)

Mouch, Warren W., Columbus, Ohio. Base marker. 2,275,547; Mar. 10.

Mouromtseff, Ilia E. (See Kozanowski, H. N., and Mouromtseff.)

Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, A. Cantzler, Mannheim, and H. Krekeler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incoporated. Production of 1, 3-butadiene. 2,276,023; Mar. 10.

Mueller, Emil G., assignor to The American Brake Company, Swissvale, Pa. Brake mechanism. 2,275,916; Mar. 10.

Mueller, Fritz W. H. (See Duerr, H. H., and Mueller.)

Mueller, Ralph J., University Heights, assignor to The Lake City Malleable Co., Cleveland, Ohio. Mold flask and Jacket. 2,275,826; Mar. 10.

Muench, Carl G., New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill. Press. 2,275,982; Mar. 10.

Muehter, Manfred W., Nutley, N. J., assignor to American District Telegraph Company, New York, N. Y. Alarm system. 2,275,981; Mar. 10.

Müller, Adolf. (See Fleischhauer, Richard, and Müller.)

Munson, Ralph H. (See Anderson, A. A., and Munson.)

Murphy, Peter M., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Descaling, cleaning and coating machine. 2,275,793; Mar. 10.

Murphy, Peter M., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Multilime coating and drying machine. 2,275,794. Mar. 10.

Muskat, Irving E., Akron, Ohio, and A. G. Chenicek, Baberton, Ohio, assignors to Pittsburgh Plate Glass Company, Alleghany County, Pa. Method of cleaning and disinfecting fibrous material. 2,275,593; Mar. 10.

Musser, Charles W., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Electrical thermomotive device. 2,275,795; Mar. 10.

Mu Switch Corporation. (See Nordberg, Ernst A., assignor.)

Myers, Henry C. (See Kilgore, L. A., and Myers.)

Myers, Morris. (See Bisch, Correll C., assignor.)

Myers, Thomas G., Los Angeles, Calif., and F. Mason, Chicago, Ill., assignors to U. S. Electrical Motors, Inc. Submersible pump and electric motor. 2,275,679. Mar. 10.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Sealing device. 2,275,680. Mar. 10.

Nacker, Owen M., Pleasant Ridge, and A. L. Vargha, assignors to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,275,796; Mar. 10.

Madeau, Edouard J., Providence, R. I. Device for use in guiding and suppporting children. 2,275,983; Mar. 10.

Nardone, Romeo M., East Orange, N. J., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,275,640; Mar. 10.

Nashe, Leif, Concord, and O. Overgaard, West Concord, Mass. Ski binding. 2,276,252; Mar. 10.

National Broach & Machine Company. (See Gregi Benjamin F., assignor.)

National Gypsum Company. (See Crandell, Dean D., assignor.)

Nekola, William J. See Herold J. L., Nekola and Wehmiller.)

National Acme Company, The. (See Hogg, William J., assignor.)

Neal, Morris P., Villa Park, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,275,455; Mar. 10.

Nelson, Charles E., assignor to The Dow Chemical Company, Midland, Mich. Method of treating magnesium. 2,276,239; Mar. 10.

Neufeld, Jacob, assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for radioactive investigation of drill holes. 2,275,456; Mar. 10.

New, Archibald A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric insulating material and to conductors insulated with such material. 2,276,084; Mar. 10.

New, Fred M., assignor to Fredcraft Corporation, New York, N. Y. Game-score indicating device. 2,275,797; Mar. 10.

Newell, Heber L., Stratford, Conn., assignor to General Electric Company. Control device. 2,275,917; Mar. 10.

Newell, Heber L., Stratford, Conn., assignor to General Electric Company. Control device. 2,275,918; Mar. 10.

Newman, Max M., New York, N. Y., assignor to American Machine & Foundry Company. Machine for making neckties. 2,275,457; Mar. 10.

New York Air Brake Company. (See Pickert, Lynn I., assignor.)

Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Telegraph printer. 2,275,641; Mar. 10.

Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Mechanism for matching and jointing lumber from stock of nonuniform dimension. 2,276,240; Mar. 10.

Nickelsen, John M. (See McIntyre, B. D., Nickelsen, and Boor.)

Nicolet, Constant E. (See Shawhan, S. F., and Nicolet.)

Nicolini, J. H. (See Birr, John E. W., assignor.)

Nitchman, Stuart, Schenectady, N. Y. Safetypin. 2,275,984; Mar. 10.

Nitz, Herbert. (See Wiessner, A., and Nitz.)

Nixon, Carl W. (See Hummert, R. H., and Nixon.)

Nordberg, Ernst A., Sharon, assignor, by mesne assignments, to Mu Switch Corporation, Canton, Mass. Switch. 2,275,642; Mar. 10.

Nordberg Manufacturing Company. (See Ramstad, George E., assignor.)

Northwestern Steel and Wire Company. (See Murphy, Peter M., assignor.)

Norton, Clifford, Summit, N. J., P. Karmel, New York, N. Y., and B. W. Tucker, Jr., South Orange, N. J., assignors to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 2,275,643; Mar. 10.

Novelart Mfg. Co. (See Kahn, Milton, assignor.)

Nyberg, Stone, Dover, Ohio, assignor to A. J. R. Greer, Morgantown, W. Va. Metal coil. 2,275,458; Mar. 10.

Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,275,459; Mar. 10.

O'Brien, Laurence A., South Orange, and E. M. Smith, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter equipment. 2,275,798; Mar. 10.

Ogilvie James. (See Fleysher, Maurice H., and Ogilvie.)

Ohio Ferro-Alloys Corporation. (See Vignos, James C., assignor.)

Oil Equipment Engineering Corporation. (See Scaramucci, Domer, assignor.)

Oil Well Supply Company. (See Fietinghoff, S. C., Maier, and Van Loozen, assignors.)

Oklejas, Eli, Monroe, Mich. Self-unloading trailer. 2,275,799; Mar. 10.

Olmstead, George F., Owosso, Mich. Pistol grip movie camera attachment. 2,275,644; Mar. 10.

Olsen, Eugene F. (See Gelbman, L., Olsen and Mays.)

Olsen, Oscar E., Philadelphia, Pa., assignor to Acme Staple Company, Camden, N. J. Stapling machine. 2,275,548; Mar. 10.

Olson, Elmar R., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electrical connector. 2,275,800; Mar. 10.

Ontario Manufacturing Company. (See Moon, Charles R., assignor.)

Orr, Chester A., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Manufacture of tubes. 2,275,801; Mar. 10.

Oshman, Benjamin, and J. Oshman, New York, N. Y. Tooth brush retainer. 2,275,549; Mar. 10.

Oshman, Joseph. (See Oshman, Benjamin, and Joseph.)

Oster, John, assignor to John Oster Manufacturing Company, Racine, Wis. Hair clipper. 2,276,061; Mar. 10.

Oster, John, Manufacturing Company. (See Oster, John, assignor.)

Osterhof, Arthur L., Newark, assignor to Hercules Powder Company, Wilmington, Del. Condensation products of rosin and rosin esters and the production thereof. 2,275,986; Mar. 10.

Othmer, Donald F., Coudersport, Pa., and R. E. White, Cincinnati, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Treating azeotropic condensate. 2,275,802; Mar. 10.

Othmer, Donald F., Brooklyn, N. Y., assignor, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn. Extraction of lower aliphatic acids. 2,275,862; Mar. 10.

Otis Elevator Company. (See Norton, C., Karmel and Tucker, assignors.)

Otto, William H. (See Robbins, Hall B., assignor.)

Overgaard, Odd. (See Nashe, Leif.)

Owen, Frederick C., Fayettesville, N. C. Welding apparatus. 2,276,060; Mar. 10.

Oxweld Acetylene Company. (See Pierson, Ralph C., assignor.)

Packard Motor Car Company. (See Ware, Marsden, assignor.)

Packer, Charles S., assignor to Justice Manufacturing Company, Chicago, Ill. Portable electric lantern. 2,275,987; Mar. 10.

Padin, Rogelio, Florida, Argentine, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,275,803; Mar. 10.
Page, Robert M., Washington, D. C. Electron beam control apparatus. 2,275,460; Mar. 10.
Paillard, E., Cie S. A. (See Preioso, Giuseppe, assignor.)
Palmer, Albert, Alburg, Vt. Mop wringer. 2,275,461; Mar. 10.
Palsgrove, Merlin E., Columbus, Ohio. Hydrocarbon burner. 2,275,550; Mar. 10.
Parilla, Arthur R., Youngstown, Ohio. Fluid spring. 2,275,462; Mar. 10.
Paris, I. Richard. (See Finck, Joseph L., assignor.)
Parker, Robert B., Claremont, N. H., assignor to Sullivan Machinery Company. Grinding apparatus. 2,275,483; Mar. 10.
Parker, Vern C., near Stilesville, Ind. Electrical educator. 2,275,988; Mar. 10.
Parmelee, Alfred E. (See Fisher, H. H., Parmelee and Stecher.)
Partee, Watkins W., assignor to E. L. Bruce Company, Memphis, Tenn. Wood finishing. 2,276,253; Mar. 10.
Parz, Erich, Karlshorst, near Berlin, assignor to Deutsche Niles Werke Aktiengesellschaft, Weissensee, near Berlin, Germany. Apparatus for grinding gear teeth. 2,275,804; Mar. 10.
Patch, Earl S. (See Marvin, J. T., and Patch.)
Patterson, Edgar W., Long Beach, Calif. Crank balanced unit. 2,275,919; Mar. 10.
Patterson, John L., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose nitrate from wood pulp. 2,275,805; Mar. 10.
Paxton, William A. (See Frank, B. F., Pryale, Smith and Paxton.)
Pearson, Acy L., Memphis, Tenn. Tree transplanting device. 2,275,552; Mar. 10.
Pearson, Bernhard A., assignor to The Clark Controller Company, Cleveland, Ohio. Thermally responsive electric contactor. 2,276,085; Mar. 10.
Peerless Manufacturing Corporation. (See Barry, Thomas W., assignor.)
Peers & McGlone. (See McGlone, Edgar B., assignor.)
Pelzer, Harry L., Houston, Tex., and W. S. Gullette, Highland, Ind., assignors to Sinclair Refining Company. Catalytic reactor. 2,275,920; Mar. 10.
Peninsular-Lurton Company. (See Taylor, James W., assignor.)
Pennsylvania Railroad Company, The. (See Billstein, Arthur E. F., assignor.)
Perazo, Peter L., Oakland, Calif. Sprue-forming device. 2,275,806; Mar. 10.
Peregallo, Peter J., Hawthorne, N. J. Clasp. 2,276,086; Mar. 10.
Perkins, B. F., & Son, Inc. (See Getchell, R. E., assignor.)
Perrin, Robert L., assignor of one-half to Dayton R. Yoder, Conway, Kans. End gate lock. 2,275,551; Mar. 10.
Perron, Adrian B., Detroit, Mich. Propelling mechanism for airplanes and the like. 2,275,645; Mar. 10.
Perry, Eugene R., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Process for producing resinous products. 2,275,989; Mar. 10.
Perry, Judson A., assignor of fifty one-hundredths to G. D. Whitehurst, Norfolk, Va. Agricultural implement. 2,275,594; Mar. 10.
Petersen, Thomas P., Lake Wales, Fla. Fruit picker's bag. 2,276,087; Mar. 10.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna. 2,275,646; Mar. 10.
Petri, Hermann. (See Dachlauer, K., and Petri.)
Peyser, Morell, New York, N. Y. Counter. 2,276,062; Mar. 10.
Philco Radio and Television Corporation. (See Barton, Loy E., assignor.)
Philco Radio and Television Corporation. (See Gluyas, Thomas M., Jr., assignor.)
Philips, Harlow D., assignor to Eastman Kodak Company, Rochester, N. Y. Sliding shutter blade construction. 2,275,807; Mar. 10.
Pickert, Lynn L., Watertown, N. Y., assignor to The New York Air Brake Company. Sanding relay. 2,275,647; Mar. 10.
Pierrel, Joseph, New York, N. Y. Dial combination for radio receiving sets. 2,275,463; Mar. 10.
Pierson, Ralph C., Indianapolis, Ind., assignor to Oxweld Acetylene Company. Acetylene generator. 2,275,990; Mar. 10.
Pierson, William D., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Eyelet machine. 2,275,681; Mar. 10.
Pilling, Norman B., Westfield, N. J., and F. G. Straub, Champaign, Ill., assignors to The International Nickel Company, Inc., New York, N. Y. Steam pressure vessel resistant to caustic cracking. 2,275,464; Mar. 10.
Pines, Herman, assignor to Universal Oil Products Company, Chicago, Ill. Purification of aluminum bromide. 2,275,465; Mar. 10.
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Chenicek, assignors.)
Pittsburgh Plate Glass Company. (See Pollack, M. A., and Chenicek, assignors.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,275,553; Mar. 10.
Plaskon Company. (See Howald, A. M., and Meiser, assignors.)
Plensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Electric motor. 2,275,827; Mar. 10.
Plomocite Products, Inc. (See Ahlborg, John E., assignor.)
Podbielniak, Walter J., Chicago, Ill., assignor to Benjamin B. Schneider. Distillation control apparatus. 2,275,648; Mar. 10.
Pollack, Maxwell A., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of unsaturated alcohol esters. 2,275,466; Mar. 10.
Pollack, Maxwell A., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of unsaturated alcohol esters. 2,275,467; Mar. 10.
Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,275,554; Mar. 10.
Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Chain-stitch sewing machine with curved needle and direct operating mechanism. 2,276,088; Mar. 10.
Pope, Henry Clay, and R. W. Lawson, Erwin, Tenn. Rock crusher. 2,275,649; Mar. 10.
Pope, John H. (See Weisler, H. L., and Pope.)
Porter, Donald C., and F. W. Sloan, San Diego, Calif. Automatic preselecting and tuning apparatus. 2,275,650; Mar. 10.
Power, John J., Detroit, Mich. Gas burner. 2,275,555; Mar. 10.
Powers, Donald H., Moorestown, N. J., and S. N. Glarum, Ardmore, assignors to Röhm & Haas Company, Philadelphia, Pa. Textile printing paste. 2,275,991; Mar. 10.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Chain-cutting mining machine. 2,275,651; Mar. 10.
Prebilt Housing Corporation. (See Hasenburger, H., and Corbett, assignors.)
Prentice, Samuel K., Adrian, Mich. Combined screen and ventilator. 2,276,063; Mar. 10.
Prezioso, Giuseppe, assignor to E. Paillard et Cie S. A., Yverdon, Switzerland. Operating mechanism for type bars of typewriters. 2,275,808; Mar. 10.
Prins, Leendert, Flushing, N. Y. Vending machine. 2,275,985; Mar. 10.
Prismo Holding Corporation. (See Shuger, Leroy, and Rodli, assignor.)
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Pryale, Harry M. (See Frank, B. K., Pryale, Smith, and Paxton.)
Puritan Manufacturing Company. (See Poole, Jesse V., assignor.)
Pursel, Harold R., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Furnace seal. 2,275,652; Mar. 10.
Purves, Andrew, assignor to I. Langhauser (his daughter) and I. Langhauser (his granddaughter), Holyoke, Mass. Loom apparatus. 2,275,468; Mar. 10.
Radio Corporation of America. (See Backus, C. H., and Donato, assignors.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Mathes, Richard E., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Sidney, Watson, assignor.)
Ragatz, Edward G., San Marino, assignor to Union Oil Company of California, Los Angeles, Calif. Recovery of solvents from oils. 2,276,089; Mar. 10.
Rahner, Maxwell L., Highland Park, Ill. Grinding mill. 2,275,992; Mar. 10.
Ramstad, George E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Reversing gears for Diesel engines. 2,275,921; Mar. 10.
Randall Company, The. (See Hall, Ralph W., assignor.)
Rantz, Grace, Cleveland, Ohio. Necktie and necktie fasteners. 2,275,682; Mar. 10.
Raolin Corporation, The. (See Raynolds, J. W., and Webb, assignors.)
Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Switch. 2,275,556; Mar. 10.
Rast, Frederick Q., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,275,653; Mar. 10.
Rauch, Curt, Chemnitz, Germany. Photo viewer and projector. 2,275,863; Mar. 10.
Ravenscroft, Edward A., Glencoe, and G. H. Tammi, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Capsule machine. 2,275,654; Mar. 10.

Raynolds, James W., and G. A. Webb, Pittsburgh, Pa., assignors to The Raolin Corporation, Charleston, W. Va. Rubber chlorination. 2,275,469; Mar. 10.
Record, Le Roy E., Ballston Spa, N. Y., assignor to General Electric Company. Cathode ray tube. 2,275,864; Mar. 10.
Reed, Cortes F., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Hydrolysis of products obtained by reacting saturated hydrocarbons with sulphur dioxide and chlorine. 2,276,090; Mar. 10.
Reider, Malcolm John. (See Gruenwald, L. A., and Reider.)
Renshaw, David E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic dynamic braking control. 2,275,557; Mar. 10.
Reppert, Roland, Pelham Manor, assignor to American Hard Rubber Company, New York, N. Y. Closure for battery box covers. 2,276,091; Mar. 10.
Reppert, Roland, Pelham Manor, and R. A. Johnson, Brooklyn, assignors to American Hard Rubber Company, New York, N. Y. Closure for battery box covers. 2,276,092; Mar. 10.
Research Corporation. (See Bijur, Joseph, assignor.)
Research Corporation. (See Draper, C. S., and Lancor, Jr., assignors.)
Rex Manufacturing Company. (See Ford, Charles R., assignor.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Cigar lighter. 2,275,922; Mar. 10.
Richards, William. (See Howard, H. F., and Richards.)
Riemenschneider, Edmund W. (See Orr, C. A., and Riemenschneider.)
Riggs, Homer C. (See Higginson, J. H., and Riggs.)
Riggs & Lombard Incorporated. (See Higginson, J. H., and Riggs.)
Roberts, Richard G., Chicago, Ill. Reaction of epinephrine with amino acids and products thereof. 2,275,809; Mar. 10.
Robbins, Hall B., assignor of one-half to W. H. Otto, Mount Carmel, Ill. Means for cementing wells. 2,275,635; Mar. 10.
Robbins, Donald H., Somerville, Mass. Portable oil heater. 2,276,093; Mar. 10.
Robertson, John H., London, England. Self-locking nut. 2,275,993; Mar. 10.
Rochester Manufacturing Co. Incorporated. (See Ford, George E., assignor.)
Rockwell, Harvey W. (See Austin, Ellsworth W., and Rockwell.)
Rochester Manufacturing Co. Incorporated. (See Ford, George E., assignor.)
Rodgers, William C., East Orange, N. J., assignor, by mesne assignments, to Halowax Corporation. Composition for electrical insulation and other technical uses. 2,275,558; Mar. 10.
Rodli, Gilbert. (See Shuger, Leroy, and Rodli.)
Rodney Hunt Machine Company. (See Jones, Bliss M., assignor.)
Röhm & Haas Company. (See Bock, L. H., and Houk, assignors.)
Röhm & Haas Company. (See Powers, D. H., and Glarum, assignors.)
Roovers Bros., Inc. (See Zipf, Frederick W., assignor.)
Ross, Henry L., New York, N. Y., and A. W. C. Wroblewski, Bronx, N. Y. Derivatives of furfural and method of making. 2,275,923; Mar. 10.
Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha-beta-unsaturated primary alcohol esters of silicic and boric acids. 2,276,094; Mar. 10.
Rothrock, Henry S. (See Flint, Robert B., and Rothrock.)
Rouse, Morgan. (See Crawford, H. H., and Rouse.)
Rousseau, Raymon E. (See Strauss, L. J., and Rousseau.)
Rosenblatt, Sigmond, Cranston, R. I. Window sash construction. 2,275,559; Mar. 10.
Rosenblum, Israel, New York, N. Y. Oil soluble phenolic resin and method of making same. 2,275,865; Mar. 10.
Ruark, Robert G., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Method of making mixed aryl hydroxyalkyl amines. 2,275,470; Mar. 10.
Ruhkala, Gideon M., Rocklin, Calif. Tire chain. 2,275,994; Mar. 10.
Ruhoff, John R. (See Farr, H. V., and Ruhoff.)
Runaldue, Lewis R., Pittsfield, Mass., assignor to General Electric Company. Pressure actuated relay. 2,275,866; Mar. 10.
Rutledge, Charles E., assignor to Boeing Aircraft Company, Seattle, Wash. Fabric clip. 2,275,683; Mar. 10.
Rybolt, Ora M., assignor to Magnetic Tool Company, Detroit, Mich. Tool for slitting the sheaths of encased wires. 2,275,867; Mar. 10.
Ryder, John D., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Telemetric system. 2,276,095; Mar. 10.
Ryder, John D., Pepper Pike Village, Ohio, assignor to Bailey Meter Company. Telemetric control system. 2,276,096; Mar. 10.
Saaf, Dirk G., assignor to Goodrich Electric Company, Chicago, Ill. Sign light. 2,275,560; Mar. 10.
Sagner, Walter T., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,275,684; Mar. 10.
Sahlin, Henry, assignor to General Motors Corporation, Detroit, Mich. Work removing apparatus for presses. 2,275,561; Mar. 10.
St. Regis Paper Company. (See Crawford, Harry H., and Rouse, assignors.)
Salo, Martti, assignor to Eastman Kodak Company, Rochester, N. Y. Mixed polyvinyl esters containing dicarboxylic acid groups. 2,275,685; Mar. 10.
Salsberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aliphatic sulphonyl fluorides and their preparation. 2,276,097; Mar. 10.
Samiran, David, Fairfield, Ohio. Automatic safety fuel system. 2,275,471; Mar. 10.
Samiran, David, Fairfield, Ohio. Pressure regulator for fuel systems. 2,275,472; Mar. 10.
Samsellus, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switch. 2,276,006; Mar. 10.
Sandel, Emil, St. Louis, Mo. Safety device for stamping presses and the like. 2,276,064; Mar. 10.
Sarason, Paul. (See Bucky, Gustav, and Sarason.)
Saunders, Paul W., Tarpon Springs, Fla. Venom extractor. 2,276,098; Mar. 10.
Saunders, Walter S., assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable support. 2,275,656; Mar. 10.
Scaramucci, Domer, Norman, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Well cementing apparatus. 2,275,473; Mar. 10.
Scaramucci, Domer, Norman, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Measuring apparatus for determining the depth of oil wells or the like. 2,275,474; Mar. 10.
Schaefer, Frederic, Pittsburgh, Pa. Brake beam head. 2,276,065; Mar. 10.
Scheidorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Current responsive device. 2,275,868; Mar. 10.
Scherfel, Otto C., Haddon Heights, N. J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric belt structure. 2,276,099; Mar. 10.
Scheuring, Louis C. (See Enberg, S. R., Walsh, and Scheuring.)
Schinzel, Karl, Zurich, Switzerland. Color photography. 2,276,254; Mar. 10.
Schneider, Benjamin B. (See Podbielniak, Walter J., assignor.)
Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Coil winding machine. 2,275,995; Mar. 10.
Scholin, Axel, assignor of one-third to W. M. Tiffany, and one-third to C. W. Scholin, Chicago, Ill. Fluid flow indicator. 2,276,100; Mar. 10.
Scholin, Carl W., et al. (See Scholin, Axel, assignor.)
Scholz, Caesar. (See Miescher, K., Fischer, Scholz, and Wettstein.)
Schonberg, Ejnar J., Fargo, N. Dak. Store front construction. 2,275,686; Mar. 10.
Schreiber, Richard S. (See Hanford, W. E., and Schreiber.)
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic copying apparatus. 2,275,687; Mar. 10.
Schuck, Carl L. (See Williams, E. A., Jr., Schuck, and Clute.)
Schuck, Raymond W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Brush-holder assembly. 2,276,066; Mar. 10.
Schueler, Julian L., Kokomo, Ind. Art of treating and coating metals. 2,276,101; Mar. 10.
Schulz, Paul H., Moline, Ill. Paper jogging apparatus for printing presses. 2,275,688; Mar. 10.
Schwartz, Morris, assignor of one-half to L. Lapidus, New York, N. Y. Eyeglasses. 2,276,102; Mar. 10.
Schwartz, Sidney T., Grand Island, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Pulverizer. 2,275,595; Mar. 10.
Scott, Lewis L. (See Shepperd, W. B., and Scott.)
Scull, Henry E., Teaneck, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Panel construction. 2,276,071; Mar. 10.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,275,996; Mar. 10.
Seaton, Allan R., Seattle, Wash. Release clip. 2,275,869; Mar. 10.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Electromagnetic device. 2,275,924; Mar. 10.
Seguy, Jean Delattre, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,276,103; Mar. 10.
Seidel, Kamill. (See Herman, Kenneth R., and Seidel.)
Servel, Inc. (See Kuenzli, Walter A., assignor.)
Sewall Paint & Varnish Company. (See Weissert, Gerald E., assignor.)
Shannon, Francis P., assignor to Henry Vogt Machine Company, Louisville, Ky. Control for absorption refrigerating systems. 2,275,997; Mar. 10.

Shantz, Edgar, Rochester, N. Y., assignor to Copy Right Mfg. Corporation, New York, N. Y. Illuminating device for copyholders. 2,275,562; Mar. 10.

Sharlow, Irving L., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for continuously processing wire. 2,275,563; Mar. 10.

Shaunessey, Martha, Chicago, Ill. Vehicle signal. 2,276,104; Mar. 10.

Shawhan, Sam F., and C. E. Nicolet, assignor to Carrier Corporation, Syracuse, N. Y. Ventilator. 2,275,564; Mar. 10.

Sheldon, Horace D., West Caldwell, N. J. Archery accessory. 2,275,870; Mar. 10.

Shell Development Company. (See Lane, C. D., and Duffy, C. H., assignors.)

Shell Development Company. (See Smith, S. S., assignor.)

Shelton, Elbert M., New Haven, Conn., assignor to The Tannin Corporation, New York, N. Y. Medicinal preparation. 2,276,241; Mar. 10.

Shepperd, William B., and L. L. Scott, St. Louis, Mo., said Shepperd assignor to said Scott. Oil burner. 2,275,689; Mar. 10.

Sherman, John Q., Dayton, Ohio, deceased, K. M. and W. C. Sherman and W. B. Turner, executors. Separating machine. 2,275,475; Mar. 10.

Sherman, John Q., deceased, and A. A. Gopperton, Dayton, Ohio, said Gopperton assignor to said Sherman, K. M. and W. C. Sherman and W. B. Turner executors. Punching register. 2,275,476; Mar. 10.

Sherman, Katherine M., executor, et al. (See Sherman, John Q.)

Sherman, Katherine M., executor, et al. (See Sherman, J. Q., and Gopperton.)

Sherman, William C., executor, et al. (See Sherman, John Q.)

Sherman, William C., executor, et al. (See Sherman, J. Q., and Gopperton.)

Sherwood, Lester L., Los Angeles, Calif. Billfold and license case. 2,275,690; Mar. 10.

Sherwood, Reginald C., and J. S. Andrews, St. Paul, Minn., assignors to General Mills, Inc. Fortifying cereals. 2,275,565; Mar. 10.

Shields, Stanley O., Peterborough, Ontario, Canada, assignor to General Electric Company. Method of winding coils. 2,275,871; Mar. 10.

Shiells, James F., Fillmore, Calif. Wheel tool. 2,276,105; Mar. 10.

Shuger, Leroy W., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md. Polish. 2,275,596; Mar. 10

Shuger, Leroy, Baltimore, Md., and G. Rodli, Huntingdon, Pa., said Rodli assignor, by mesne assignments, to Prismo Holding Corporation. Marker. 2,275,597; Mar. 10.

Shute, Charles W., Boston, assignor to Thomas Leyland Machinery Co., Incorporated, Readville, Boston, Mass. Bowed expander roll. 2,276,242; Mar. 10.

Sidney, Watson, Summit, N. J., assignor to Radio Corporation of America. Welding cathode sleeves. 2,276,106; Mar. 10.

Sievert, Rudolph, executor, et al. (See Laise, Clemens A.)

Silex Company, The. (See Edwards, Walter S., assignor.)

Simanton, William A., Oakmont, assignor to Gulf Rsearch & Development Company, Pittsburgh, Pa. Apparatus for atomizing liquids. 2,275,691; Mar. 10.

Simons, John P., Lakewood, Ohio. Gear pump. 2,276,107; Mar. 10.

Sims, Edward, Zanesville, Ohio. Airplane aileron. 2,275,692; Mar. 10.

Sinclair Refining Company. (See Pelzer, H. L., and Gullette, assignors.)

Singer Manufacturing Company, The. (See Fleckenstein, George A., assignor.)

Sigveland, Ivar E., St. Paul, Minn. Disk holding device. 2,276,067; Mar. 10.

Skolnik, Max, Chicago, Ill. Decorated glass article and making the same. 2,276,108; Mar. 10.

Slaten, Albert, Minneapolis, Minn. Butter cutting machine. 2,275,566; Mar. 10.

Sloan, Frank W. (See Porter, D. C., and Sloan.)

Sloan, Harry E., H. E. Sloan, Jr., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck. 2,275,828; Mar. 10.

Sloan, Harry E., Jr. (See Sloan, H. E., H. E., Jr., and Highberg.)

Slonczewski, Thaddeus. (See Means, W. J., and Slonczewski.)

Slovin, David G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Method of making coreless golf balls. 2,275,658; Mar. 10.

Smith, Arthur, Dedham, Mass. Golf practice apparatus. 2,275,568; Mar. 10.

Smith, Arthur E., Los Angeles, Calif. Container closure. 2,275,567; Mar. 10.

Smith, Christopher I. (See Cole, L. W., and Smith.)

Smith, Edward M. (See O'Brien, L. A., and Smith.)

Smith, Ernest A., Schenectady, N. Y., assignor to General Electric Company. Removable bottom furnace. 2,275,926; Mar. 10.

Smith, F. L., & Co. (See Magnani, Alessandro, assignor.)

Smith, Roy M., Livingston, and M. A. Bostwick, Budd Lake, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Differential protective relaying system. 2,276,068; Mar. 10.

Smith, S. Morgan, Company. (See Brisbane, Eugene E., assignor.)

Smith, Sidney S., Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif. Pipeline cleaner. 2,276,109; Mar. 10.

Smith, Walter H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pile resistor. 2,276,069; Mar. 10.

Smith, Ward C. (See Frank, B. K., Pyrale, Smith, and Paxton.)

Snelling, Walter O., assignor to Trojan Powder Company, Allentown, Pa. Loading pasty solids. 2,275,569; Mar. 10.

Snelling, Walter O., assignor to Trojan Powder Company, Allentown, Pa. Explosive missile. 2,276,110; Mar. 10.

Snyder, Frederick D., East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spindle drive. 2,275,570; Mar. 10.

Soboroff, Irving E., assignor to Soboroff-Rosenwald Company, Chicago, Ill. Cap. 2,275,693; Mar. 10.

Soboroff, Irving E., assignor to Soboroff-Rosenwald Company, Chicago, Ill. Hunter's cap. 2,275,694; Mar. 10.

Soboroff-Rosenwald Company. (See Soboroff, Irving E., assignor.)

Societe Genevoise d'Instruments De Physique. (See Turrettini, Fernand, assignor.)

Society of Chemical Industry in Basle. (See Graenacher, C., Ackermann, and Bruengger, assignors.)

Somers, William S., Columbus, Ohio. Prefabricated conduit. 2,275,572; Mar. 10.

Sommer & Maca Glass Machinery Corporation. (See Chubb, Loyde, assignor.)

Sooy, Walter E. (See Fisher, H. C., Thompson, and Sooy.)

Sooy, Walter E., and R. W. von Sydow, assignors to The Gardner-Richardson Company, Middletown, Ohio. Container manufacture. 2,275,571; Mar. 10.

Soss, Charles J., as executor, et al. (See Soss, Joseph.)

Soss, Henry, as executor, et al. (See Soss, Joseph.)

Soss, Joseph, Roselle, N. J., deceased; C. J., H., and S. Soss, executors. Hinge butt and method of constructing the same. 2,276,255; Mar. 10.

Soss, Samuel, as executor, et al. (See Soss, Joseph.)

Southern States Equipment Corporation. (See Caldwell, John R., assignor.)

Southern States Equipment Corporation. (See Garrison, E. W., Jr., assignor.)

Southern States Equipment Corporation. (See Garrison, Edgar W., Jr., and Lemmon, assignors.)

Southern States Equipment Corporation. (See Lemmon, George N., assignor.)

Sparrow, Maxwell E. (See Berhley, Fred, assignor.)

Spears, William, Mount Lebanon, Pa. Card identifying and issuing machine. 2,276,111; Mar. 10.

Speas Development Co. (See Mnookin, Nathan M., assignor.)

Sperry Gyroscope Company, Inc. (See Zand, Stephen, J., assignor.)

Spokes, Ray E., Ann Arbor, Mich., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Friction element. 2,276,070; Mar. 10.

Stafford, Lawrence T., Indianapolis, Ind. Automobile change speed indicator. 2,275,695; Mar. 10.

Stamps, Samuel C., Birmingham, Ala. Flash light tester. 2,275,696; Mar. 10.

Standard Oil Development Company. (See Lieber, E., and Mikeska, assignors.)

Standard Products Company, Inc., The. (See Leonard, John H., assignor.)

Standard Railway Devices Company. (See Bonsall, Charles D., assignor.)

Standard Railway Devices Company. (See Swanson, Earl R., assignor.)

Standard Rilway Refrigerator Company. (See Baillie, Wallace A., assignor.)

Stanolind Oil and Gas Company. (See Cloud, Raymond T., assignor.)

Stecher, Joseph L. (See Fisher, H. H., Parmelee and Stecher.)

Steinle, John V. (See Johnson, H. F., Steinle, and Gardiner.)

Steinle, John V., and A. E. Budner, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Water removable wax coating. 2,275,659; Mar. 10.

Steinle, John V., and E. S. McLoud, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Vegetable wax. 2,275,660; Mar. 10.

Steinle, John V., and E. S. McLoud, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax extraction. 2,275,661; Mar. 10.

Stelzer, Berteli, St. Petersburg, Fla., assignor to W. Stelzer, Detroit, Mich. Hydraulic brake booster. 2,275,697; Mar. 10.

Stelzer, William. (See Stelzer, Bertell, assignor.)

Sterson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)

Stockstrom, Arthur, D. D. Burnside, and E. H. Kahler, assignors to American Stove Company, St. Louis, Mo. Ignition system for burners. 2,275,988; Mar. 10.

Stokes, Charles L., Santa Monica, Calif. Sport garment. 2,276,072; Mar. 10.

Stoneback, Samuel A., Philadelphia, Pa. Window glass insulation system. 2,276,112; Mar. 10.

Straub, Frederick G. (See Pilling, N. B., and Straub.)

Strauss, Howard J., New York, N. Y. Fabric printing machine. 2,276,113; Mar. 10.

Strauss, Leo, Far Rockaway, assignor to American Spectacle Co. Inc., New York, N. Y. Folding goggles. 2,275,999; Mar. 10.

Strauss, Luke J., Buffalo, and R. E. Rousseau, Orchard Park, N. Y. Washing machine. 2,275,698; Mar. 10.

Stumpf, Emil F., Valmeyer, Ill. Continuous power takeoff drive. 2,276,000; Mar. 10.

Sturdy, Howard H., Newport News, Va., assignor to Dravo Corporation. Sheetpile interlocking device. 2,275,662; Mar. 10.

Sture, John J., assignor to Colorvision Ads Inc., New York, N. Y. Illuminated sign. 2,276,114; Mar. 10.

Sturm, Rolland G., New Kensington, and E. Jeffries, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Energy dissipating or shock absorbing unit. 2,275,573; Mar. 10.

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Sturtevant, B. F., Company. (See Bergstrom, Carl O., assignor.)

Sturtz, John, Lowville, N. Y. Snowplow. 2,276,265; Mar. 10.

Sullivan Machinery Company. (See Parker, Robert B., assignor.)

Sundstrand, Oscar J., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Computting and printing machine. 2,276,115; Mar. 10.

Sundholm, Edwin P., Albert City, Iowa. Flow control device. 2,275,477; Mar. 10.

Sun-Maid Raisin Growers of California. (See Kilner, Louis, assignor.)

Svenska Aktiebolaget Gasaccumulator. (See Gunnert, A. R., assignor.)

Swanson, Earl R., Chicago, Ill., assignor to Standard Railway Devices Company. Refrigerator car construction. 2,275,699; Mar. 10.

Swartwout Company, The. (See Mastenbrook, Henry J., assignor.)

Swift, Harvey C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,275,700; Mar. 10.

Swiss Knitting Company. (See Kattermann, Emil D., assignor.)

Tammi, George H. (See Ravenscroft, E. A., and Tammi.)

Tannin Corporation, The. (See Shelton, Elbert M., assignor.)

Taylor, Charles A., assignor of twenty per cent to H. Yanthis, Jr., and twenty per cent to A. B. Coleman, Indianapolis, Ind. Dog leash. 2,275,701; Mar. 10.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction cleaning apparatus. 2,275,663; Mar. 10.

Taylor, Fred L., and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Substituted phenylphenols. 2,276,116; Mar. 10.

Taylor, Fred L., and J. E. Livak, assignor to The Dow Chemical Company, Midland, Mich. Substituted phenols. 2,276,117; Mar. 10.

Taylor, Lloyd M., San Leandro, assignor to Taylor Engines, Inc., Oakland, Calif. Light weight engine. 2,275,478; Mar. 10.

Taylor Engines, Inc. (See Taylor, Lloyd M., assignor.)

Taylor, James W., assignor to Peninsular-Lurton Company, Pensacola, Fla. Filter apparatus. 2,276,118; Mar. 10.

Tebben, Henry A., assignor to American Thermometer Company, St. Louis, Mo. Thermometer. 2,276,001; Mar. 10.

Teletype Corporation. (See Zenner, Raymond E., assignor.)

Temple, Robert, Jr., Pittsburgh, Pa. Explosively actuated punch. 2,276,259; Mar. 10.

Tennessee Eastman Corporation. (See Othmer, Donald F., assignor.)

Terman, Frederick E., Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Direction finding system. 2,276,119; Mar. 10.

Terry, Roy V. (See Mattke, C. F., and Terry.)

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Chemical reaction control. 2,276,120; Mar. 10.

Thomas, James E., Tarentum, Pa. Pouring tube. 2,275,702; Mar. 10.

Thomas, Joseph F., Jefferson City, Mo. Paper fastener. 2,275,927; Mar. 10.

Thomasset, Paul A., St. George, Staten Island, assignor to Ansbacher Siegle Corporation, New York, N. Y. Iron blue pigment. 2,275,929; Mar. 10.

Thompson, James F. (See Fisher, H. C., Thompson, and Sooy.)

Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., and Nixon, assignors.)

Thorn, Robert J., and T. Hess, Chicago, Ill. Multiple letter tray. 2,276,121; Mar. 10.

Thrasher, Howard C. (See Miller, J. W., and Thrasher.)

Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Chicago, Ill. Steam and water mixer. 2,276,073; Mar. 10.

Tide Water Associated Oil Company. (See Colin, Philip G., assignor.)

Tiffany, Wilbur M., et al. (See Scholin, Axel, assignor.)

Timken Roller Bearing Company, The. (See Eastburg, Clifford L., assignor.)

Titan Valve and Manufacturing Company, The. (See Bondurant, Carlton W., assignor.)

Topham, Laurence E., Wenham, Mass. Temperature controlling system and apparatus. 2,275,928; Mar. 10.

Torcheux, Emile, Paris, France, assignor to Compagnie Generale de Telegraphic Sans Fil. Call selector. 2,275,930; Mar. 10.

Török, George, assignor to Magyar Ruggyantaarugyar Reszvenytarsasag, Budapest, Hungary. Method of making spring insertions. 2,276,002; Mar. 10.

Trencham, Henry, Ruislip, and H. E. Cox, Dollis Hill, London, England, assignors to General Electric Company. Gas blast electric circuit breaker. 2,275,872; Mar. 10.

Trester, Carl P. and H. A., Milwaukee, Wis. Dispensing container. 2,275,703; Mar. 10.

Trester, Herault A. (See Trester, Carl P. and H. A.)

Trojan Powder Company. (See Snelling, Walter O., assignor.)

Tubize Chatillon Corporation. (See Weisler, H. L., and Pope, assignors.)

Tucker, Benjamin W. (See Norton, C., Karmel, and Tucker.)

Tull, Hansheinrich, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Portable radio set. 2,276,122; Mar. 10.

Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,275,829; Mar. 10.

Turenne, Wilfred J., Fayville, Mass. Fire detector cable. 2,275,873; Mar. 10.

Turner, Howard H., assignor of twenty-four and one-half percent to C. E. Joslin and twenty-four and one-half percent to M. E. Joslin, Inglewood, Calif. Weather stripping. 2,276,123; Mar. 10.

Turner, Theodore B., Sr., Corning, Iowa. Beekeeper's hoist. 2,275,704; Mar. 10.

Turner, Wellmore B., executor, et al. (See Sherman, John Q.)

Turner, Wellmore B., executor, et al. (See Sherman, J. Q., and Gopperton.)

Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments De Physique, Geneva, Switzerland. Grinding machine. 2,276,260; Mar. 10.

Tuttle & Bailey Incorporated. (See Anderson, H., and Hart, assignors.)

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood Elliott Fisher Company. (See Mann, Miles H., assignor.)

Underwood Elliott Fisher Company. (See Padin, Rogelio, assignor.)

Underwood Elliott Fisher Company. (See Sagner, Walter T., assignor.)

Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)

Unger, Abraham, assignor to Concord Chenille Co., Inc., New York, N. Y. Device for curling chenille. 2,276,124; Mar. 10.

Unger, Chester E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal blasting machine. 2,275,479; Mar. 10.

Union Metal Manufacturing Company, The. (See Orr, C. A., and Riemenschneider, assignors.)

Union Oil Company of California. (See Carr, Donald E., assignor.)

Union Oil Company of California. (See Ragatz, Edward G., assignor.)

Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)

Union Switch & Signal Company, The. (See Clausen, Harold C., assignor.)

Union Switch & Signal Company. (See Kemmerer, Ralph R., assignor.)

United Aircraft Corporation. (See Caldwell, F. W., and Martin, assignors.)

United Aircraft Corporation. (See Harrison, Neil M., assignor.)

United Shoe Machinery Corporation. (See Ashley, John W., assignor.)

United Shoe Machinery Corporation. (See Hart, G. T., and Winkley, assignors.)

United Shoe Machinery Corporation. (See Hart, G. T., Jr., and Winkley, assignors.)

United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)

U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)

U. S. Electrical Motors, Inc. (See Myers, T. G., and Mason, assignors.)

United States Gypsum Company. (See Ericson, Richard, assignor.)

United States Rubber Company. (See Bull, Arthur W., assignor.)
United States Rubber Company. (See Kirby, Walter G., assignor.)
United States Rubber Company. (See Slovin, David G., assignor.)
Universal Oil Products Company. (See Becker, Harold A., assignor.)
Universal Oil Products Company. (See Chenicek, Joseph A., assignor.)
Universal Oil Products Company. (See Ewell, Robert B., assignor.)
Universal Oil Products Company. (See Grosse, A. V., and Linn, assignors.)
Universal Oil Products Company. (See Hensel, Walter C., assignor.)
Universal Oil Products Company. (See Kanhofer, Elmer K., assignor.)
Universal Oil Products Company. (See Kassel, Louis S., assignor.)
Universal Oil Products Company. (See McGrew, Edwin H., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Pines, Herman, assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Utah Radio Products Company. (See Andrus, Joseph M., assignor.)
Van Loozen, Cyril F. (See Fletinghoff, S. C., Maier, and Van Loozen.)
Van Sant, Victor H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical movement. 2,276,003; Mar. 10.
Vargha, Andrew L. (See Nacker, O. M., and Vargha.)
Varian, Russell H., and W. W. Hansen, Stanford University, Calif., and L. M. Applegate, Portland, Oreg., assignors to The Board of Trustees of the Leland Stanford Junior University. High frequency electrical apparatus. 2,275,480; Mar. 10.
Vasilopoulos, Kostantinos, Holyoke, Mass. Stop motion for looms. 2,275,931; Mar. 10.
Vecchi, Emilio E., Des Moines, Iowa. Necktie. 2,275,932; Mar. 10.
Velveray Corporation of America, Inc. (See Foster, H. J., assignor.)
Verley Products Corporation. (See Wagner, William E., assignor.)
Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Loading device for concrete mixers. 2,276,125; Mar. 10.
Vickers Incorporated. (See Herman, K. R., and Seidel, assignors.)
Vidal, Eugene L., New York, N. Y., and L. J. Marhoefer, Washington, D. C., assignors, by mesne assignments, to Vidal Research Corporation, New Rochelle, N. Y. Method of forming veneer structures. 2,276,004; Mar. 10.
Vidal Research Corporation. (See Vidal, E. L., and Marhoefer, assignors.)
Vignos, James C., Canton, assignor to Ohio Ferro-Alloys Corporation, Philo, Ohio. Making ferro-alloys. 2,276,074; Mar. 10.
Vincent, George P. (See Dubeau, A. L., MacMahon, and Vincent.)
Visness, Carl B., and C. C. Carpenter, Grand Forks, N. Dak. Folding stretcher. 2,276,256; Mar. 10.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Beaded welting. 2,275,574; Mar. 10.
Vogt, Henry, Machine Company. (See Shannon, Francis P., assignor.)
Von Sydow, Rudolf W. (See Sooy, W. E., and von Sydow.)
Voorhees, John R., Cedar Falls, Iowa. Seed corn grader. 2,276,126; Mar. 10.
Vouvalidis, Theofanis, Chicago, Ill. Pancake griddle. 2,276,005; Mar. 10.
Vrooman, William S., assignor to Baldwin Rubber Company, Pontiac, Mich. Underliner for floor coverings. 2,275,575; Mar. 10.
Wagner, Charley L. (See Abrams, A., Forcey and Wagner.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See McCormick, Bradley T., assignor.)
Wagner, William E., assignor to Verley Products Corporation, Chicago, Ill. Heat treating apparatus. 2,275,705; Mar. 10.
Wahl, Leon T., Kansas City, Mo. Casket loader. 2,276,127; Mar. 10.
Wakefield, Harold F. (See Catlow, W. R., Jr., and Wakefield.)
Walker, Victor. (See Beck, E. W., and Walker.)
Wales, George F., Kenmore, N. Y. Die set and template mounting. 2,275,706; Mar. 10.
Wallace, De Loss D. (See Meeker, D. A., and Wallace.)
Wallace, John M. (See Bright, Elvin M., assignor.)
Walsh, Roger H. (See Enberg, S. R., Walsh, and Scheuring.)
Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,275,576; Mar. 10.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Elastic fluid turbine. 2,275,830; Mar. 10.
Warren, Henry H. (See Davies, L. J., Warren and Hamilton.)
Wasberg, Axel, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway sliding door structure. 2,275,707; Mar. 10.
Washington Institute of Technology, Inc. (See Davies, Gomer L., assignor.)
Waterbury Farrel Foundry & Machine Company, The. (See Pierson, William D., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watts Regulator Company. (See Dillon, W. M., assignor.)
Webb, George A. (See Raynolds, J. W., and Webb.)
Wehmiller, Frederick W. (See Herold, J. L., Nekola and Wehmiller.)
Welland, John N., Cleveland, Ohio. Attachment for electric razors. 2,275,810; Mar. 10.
Weisler, Herman L., Petersburg, and J. H. Pope, Hopewell, Va., assignor to Tubize Chatillon Corporation. Take-up mechanism for textile machines. 2,275,874; Mar. 10.
Weiss, Ernst. (See Heberlein, Georges, and Weiss.)
Weissert, Gerald E., assignor to Sewall Paint & Varnish Company, Kansas City, Mo. Material mixing guide. 2,275,577; Mar. 10.
Werfel, Harry A., Essex Fells, assignor to Jennings Silver Company, Irvington, N. J. Detachable handle for utensils. 2,275,875; Mar. 10.
Werfel, Harry A., Essex Fells, assignor to Jennings Silver Company, Irvington, N. J. Detachable handle for utensils. 2,275,876; Mar. 10.
Well Surveys, Incorporated. (See Fearon, Robert E., assignor.)
Well Surveys, Incorporated. (See Neufeld, Jacob, assignor.)
Wellman, Charles P., North Haven, Conn. Paperboard carton. 2,276,128; Mar. 10.
Werner, Nels E., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace wall. 2,275,933; Mar. 10.
Wesselman, Albert, Cincinnati, Ohio. Method and apparatus for packaging. 2,276,129; Mar. 10.
West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of alkyd resins. 2,276,243; Mar. 10.
Western Electric Company. (See Bohannon, William B., assignor.)
Western Electric Company. (See Manderfeld, Emanuel C., assignor.)
Western Electric Company, Incorporated. (See Van Sant, Victor H., assignor.)
Western Union Telegraph Company, The. (See Holcomb, Philo, Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bostwick, Myron A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bostwick, M. A., and Hoard, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brantly, John E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Currie, Gilbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Curry, Herman H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frisch, Erling, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gibbs, Jesse B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goldsborough, Shirley L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gubl, Henry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, C. R., and Mikina, assignors.)
Westinghouse Electric & Manufacturing Company. (See Johns, Francis J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, L. A., and Myers, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kozanowski, H. N., and Mouromtseff, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lamberger, E. H., and Langer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., and Beck, assignors.)
Westinghouse Electric & Manufacturing Company. (See Perry, Eugene R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, R. M., and Bostwick, assignors.)
Westinghouse Electric & Manufacturing Company. (See Renshaw, David E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Samzellus, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schuck, Raymond W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Snyder, Frederick D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tull, Robert H., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Wettstein, Albert. (See Miescher, K., Fischer, Scholz, and Wettstein.)
Wetzel, Theodore A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Oven heat control. 2,275,657; Mar. 10.
White, Robert E. (See Othmer, D. F., and White.)
Whitehead, Dean H., et al. (See Anetsberger, F. A., and Whitehead.)
Whitehead, George E., Pontypridd, Wales. Electrical contact means. 2,276,130; Mar. 10.
Whitehurst, George D. (See Perry, Judson A., assignor.)
Whitney, Byrl A., Lakewood, Ohio. Record holder. 2,275,664; Mar. 10.
Whitney, Kenneth E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Humidity responsive control device. 2,275,708; Mar. 10.
Wiant, Hugh. (See Wiant, Newton E., assignor.)
Wiant, Newton E., Lost Creek, W. Va., assignor to Hugh Wiant, Calgary, Alberta, Canada. Combination burner. 2,276,131; Mar. 10.
Wiessner, Alfred, and H. Nitz, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Carrier frequency system. 2,276,132; Mar. 10.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header or upsetting machine. 2,275,665; Mar. 10.
Wilcox, William H., Stockton, Calif., assignor to California Cedar Products Company. Slat feeding apparatus. 2,275,709; Mar. 10.
Wilder, Lot S., assignor to Eastman Kodak Company, Rochester, N. Y. Combined sound and picture film. 2,275,710; Mar. 10.
Wiles, Harold O. (See Maurer, S., and Wiles.)
Wiley-Bickford-Sweet Corp. (See Bickford, Ernest A., assignor.)
Williams, Ritchie K., Roanoke, Va. Pump. 2,276,133; Mar. 10.
Willis, Clodius H., Princeton, N. J., and M. A. Edwards, Scotia, N. Y., assignors to General Electric Company. Electric valve converting apparatus. 2,275,877; Mar. 10.
Wilkinson, James W., Leicester, Mass., assignor to Fleming Manufacturing Company. Adapter for base mounted filters. 2,275,481; Mar. 10.
Williams, Edwin A., Jr., Lansdowne, C. L. Schuck, Philadelphia, and G. P. Clute, Drexel Hill, Pa., assignors to General Electric Company. Electric switch. 2,275,831; Mar. 10.
Wilson & Co. (See Gustus, Edwin L., assignor.)
Wilson, Ralph W., New York, N. Y. Atomizer closure. 2,275,666; Mar. 10.
Windham, Roy H., Rome, assignor to B. J. Bandy, Dalton, Ga. Sewing machine signal system. 2,276,134; Mar. 10.
Wingfoot Corporation. (See Gifford, Clayton E., assignor.)
Winkley, Erastus E. (See Hart, G. T., and Winkley.)
Winkley, Erastus, Jr. (See Hart, G. T., Jr., and Winkley.)
Winslow, Arthur F. (See Bondley, R. J., Liebhafsky, and Winslow.)
Woelfel, Harold M., assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Apparatus for forming multipane glazing units. 2,275,811; Mar. 10.
Woefel, Harold M., assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Preformed multipane glazing unit. 2,275,812; Mar. 10.
Wolf, Eugene G., assignor to Landis Machine Company, St. Louis, Mo. Shoe stitcher. 2,275,667; Mar. 10.
Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Offset prevention. 2,275,578; Mar. 10.
Woolley, William J., Chicago, Ill. Humidifier. 2,276,135; Mar. 10.
Woolley, William J., Chicago, Ill. Air relief device. 2,276,136; Mar. 10.
Wright, Aubern E., Nappanee, Ind. Pipe cleaning device. 2,275,668; Mar. 10.
Wroblewski, Alfred W. C. (See Ross, Henry L., and Wroblewski.)
Wuensch, Charles E., Pittsburg, Kans. Drilling fluid. 2,276,075; Mar. 10.
Yanes, Francisco G., New York, N. Y. Attached printing matrices. 2,275,579; Mar. 10.
Yanthis, Harry, Jr., et al. (See Taylor, Charles A., assignor.)
Ybanez, Hiram A., assignor of ½ to Jessie Howard, Jacksonville, Fla. Safety signal. 2,275,711; Mar. 10.
Young, Carl, Minneapolis, Minn. X-ray bucky diaphragm support. 2,276,137; Mar. 10.
Young, Lafe, and A. A. Boyle, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo. Burr removing device. 2,276,007; Mar. 10.
Zand, Stephen J., Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Pressure diaphragm. 2,275,712; Mar. 10.
Zenner, Raymond E., Brookfield, assignor to Teletype Corporation, Chicago, Ill. Frequency control system and apparatus. 2,275,669; Mar. 10.
Zipf, Frederick W., Newark, N. J., assignor to Roovers Bros., Inc., Brooklyn, N. Y. Marking tool. 2,275,670; Mar. 10.
Zublin, John A., Los Angeles, Calif. Apparatus for rotary drilling. 2,275,832; Mar. 10

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Dyestuffs containing a heavy metal in complex form, Azo. E. Fellmer. Re. 22,046; Mar. 10.
Fastener, Spring. G. A. Tinnerman. Re. 22,049; Mar. 10.
Iron, Electric. F. Kuhn and L. H. Thomas. Re. 22,048; Mar. 10.
Smoke accumulator for fire detecting system. H. C. Grant, Jr. Re. 22,047; Mar. 10.

LIST OF DESIGN INVENTIONS

Automobile instrument panel and interior door molding, Combined. S. K. Wald. 131,595; Mar. 10.
Badge. F. J. Cantrell. 131,548; Mar. 10.
Bar or the like, Towel. H. Dreyfuss. 131,506; Mar. 10.
Bracelet. N. Barbieri. 131,585–6; Mar. 10.
Brooch. L. L. Hess. 131,510; Mar. 10.
Brooch or similar article. N. Barbieri. 131,499–500; Mar. 10.
Brooch or similar article. B. Carlson. 131,588; Mar. 10.
Brooch or similar article. A. Katz. 131,515–23; Mar. 10.
Brooch or similar article. A. Katz. 131,525–6; Mar. 10.
Brooch or similar article. A. Katz. 131,558–61; Mar. 10.
Brooch or similar article. P. Kaufman. 131,590; Mar. 10.
Brooch or similar article. A. Philippe. 131,534–35; Mar. 10.
Brooch or similar article. A. Philipe. 131,537–9; Mar. 10.
Brooch or similar article. A. Philippe. 131,563–5; Mar. 10.
Brooch or similar article. A. Philippe. 131,567; Mar. 10.
Brooch or similar article. M. Silverman. 131,568; Mar. 10.
Brooch, Separable. A. Katz. 131,524; Mar. 10.
Bumper or similar article, Automobile. G. W. Walker. 131,572; Mar. 10.
Dish, Soap. H. Dreyfuss. 131,504; Mar. 10.
Display stand. M. C. Meyer. 131,529; Mar. 10.
Doll or similar article, Paneled. R. E. Phillips. 131,540; Mar. 10.
Dress. E. Cutler. 131,598; Mar. 10.
Dress. E. Cutler. 131,607–8; Mar. 10.
Dress. S. De Pasquale. 131,599; Mar. 10.
Dress. E. L. Horn. 131,610; Mar. 10.
Dress. P. Kaperst. 131,601–2; Mar. 10.
Dress. P. Kaperst. 131,611–12; Mar. 10.
Dress. M. McCoy. 131,613; Mar. 10.
Dress. S. Zahn. 131,603–6; Mar. 10.
Dress ensemble. S. Elmo. 131,609; Mar. 10.
Dress ensemble. S. Zahn. 131,614; Mar. 10.
Game board. C. A. Carty. 131,501; Mar. 10.
Game dart. O. E. Keene. 131,527; Mar. 10.
Hair roll. J. W. W. Holden. 131,600; Mar. 10.
Hall tree. R. R. Fulton. 131,509; Mar. 10.
Handbag. F. N. Lewis. 131,562; Mar. 10.
Holder or the like, Toothbrush. H. Dreyfuss. 131,505; Mar. 10.
Hook or the like, Robe. H. Dreyfuss. 131,503; Mar. 10.
Jewelry finding. A. Philippe. 131,533; Mar. 10.
Jewelry finding. A. Philippe. 131,536; Mar. 10.
Jewelry finding. A. Philippe. 131,566; Mar. 10.
Laundry washer. C. G. Carlson. 131,549; Mar. 10.
Lighting fixture. S. R. Naysmith. 131,532; Mar. 10.
Pin or similar article. N. Florence. 131,530–1; Mar. 10.
Pin. R. W. Jenkinson. 131,511; Mar. 10.
Pin or similar article, Lapel. E. J. Davis and O. R. Bell. 131,589; Mar. 10.
Range. J. Barofsky. 131,547; Mar. 10.
Refrigerated display case. J. R. Caulk, Jr. and R. E. Davis. 131,502; Mar. 10.
Respirator and face shield, Combined. E. V. Karabin and R. A. Dinkel. 131,556; Mar. 10.
Roaster and broiler or similar article, Combined. G. D. Eddy. 131,508; Mar. 10.
Sandal. G. E. Bergman. 131,587; Mar. 10.
Shoe. M. and C. A. Julianelli. 131,512–4; Mar. 10.
Shoe. M. and C. A. Julianelli. 131,551–5; Mar. 10.
Shoe. H. Le R. Sutcliffe. 131,569; Mar. 10.
Shoe. R. Vivier. 131,542–6; Mar. 10.
Shoe. R. Vivier. 131,570–1; Mar. 10.
Shoe or similar article. F. Hirsch. 131,550; Mar. 10.
Shoe, Work. N. La Manca. 131,528; Mar. 10.
Soap, Bar of. H. B. Stoner and G. Borchers. 131,541; Mar. 10.
Suit. A. Gruber. 131,596; Mar. 10.
Suit. A. Shotland. 131,597; Mar. 10.
Sweater. N. S. Mesh. 131,594; Mar. 10.
Tablecloth or similar article. W. Funston. 131,574; Mar. 10.
Tablecloth or similar article. M. C. McGee. 131,583; Mar. 10.
Textile fabric. E. S. Hoshall. 131,575; Mar. 10.
Textile fabric. F. Lind and F. A. Brooks. 131,576–80; Mar. 10.
Textile fabric. F. Lind and F. A. Brooks. 131,592–3; Mar. 10.
Tetile fabric. J. E. Maisch. 131,581–2; Mar. 10.
Textile fabric. W. D. Roberson. 131,584; Mar. 10.
Textile fabric or similar article. A. Zavell. 131,573; Mar. 10.
Tractor. L. Keller. 131,591; Mar. 10.
Tumbler and toothbrush, Combination. H. Dreyfuss. 131,507; Mar. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive tool. A. K. Johnson. 2,275,766; Mar. 10.
Accounting machine. W. A. Anderson. 2,275,671; Mar. 10.
Acetylene generator. R. C. Pierson. 2,275,990; Mar. 10.
Acid condensation product, Alkylol cyanamide-polycarboxylic. W. P. Ericks. 2,276,231; Mar. 10.
Acid, Manufacture of hydrochloric. W. K. Lewis. 2,275,825; Mar. 10.
Acid purification and recovery process. C. D. Lane and C. H. Duffy. 2,276,210; Mar. 10.
Acyl derivatives of azo dyestuffs and preparing same. C. Graenacher, F. Ackermann, and H. Bruengger. 2,276,187; Mar. 10.
Adapter for base mounted filters. J. W. Wilkinson. 2,275,481; Mar. 10.
Addition agents for lubricating oils, Production of valuable. E. Lieber and L. A. Mikeska. 2,275,447; Mar. 10.
Agent and process for the conversion of starch containing materials. E. Briess. 2,275,836; Mar. 10.
Adhesive, Formaldehyde-urea. A. M. Howald and K. D. Meiser. 2,275,821; Mar. 10.
Adhesive sheet dispenser, Automatic. A. A. Anderson and R. H. Munson. 2,275,410; Mar. 10.
Adhesive tape dispenser. A. A. Anderson. 2,275,409; Mar. 10.
Adjustable reclining chair. H. Luckhardt and A. Lorenz. 2,276,053; Mar. 10.
Adjustable support. W. S. Saunders. 2,275,656; Mar. 10.
Adjusting device for friction brakes, Automatically acting. H. Klaue. 2,276,206; Mar. 10.
Agricultural implement. J. A. Perry. 2,275,594; Mar. 10.
Agricultural machine. L. W. Leeper. 2,275,446; Mar. 10.
Air conditioning system for passenger vehicles. S. M. Anderson. 2,275,879; Mar. 10.
Air conditioning systems, Control for. T. K. Greenlee. 2,275,427; Mar. 10.
Aircraft propeller construction. G. Armitage, Sr., and G. Armitage, Jr. 2,275,599; Mar. 10.
Airplane aileron. E. Sims. 2,275,692; Mar. 10.
Air relief device. W. J. Woolley. 2,276,136; Mar. 10.
Air valve. C. W. McQuaid. 2,275,786; Mar. 10.
Alarm system. C. H. Backus and A. M. Donato. 2,275,940; Mar. 10.
Alarm system. M. W. Muehter. 2,275,981; Mar. 10.
Alcoholic liquids, Purifying and deodorizing. H. G. Atwood. 2,276,142; Mar. 10.
Aldehydes of the saturated and unsaturated pregnane-series and making same. E. Miescher, W. Fischer, C. Scholz, and A. Wettstein. 2,275,790; Mar. 10.
Alloys, Preparation of lead-sodium. H. H. Fisher, A. E. Parmelee, and J. L. Stecher. 2,276,031; Mar. 10.
Amines, Making mixed aryl hydroxyalkyl. R. G. Ruark. 2,275,470; Mar. 10.
Ammonium compounds, Aldehydo quaternary. L. H. Bock and A. L. Houk. 2,276,149; Mar. 10.
Anaesthesia apparatus. A. S. Langsdorf. 2,275,534; Mar. 10.
Anode, Rectifier. L. A. Kilgore and H. C. Myers. 2,276,046; Mar. 10.
Antenna. H. O. Peterson. 2,275,646; Mar. 10.
Antenna, Retractable. N. M. Harrison. 2,275,626; Mar. 10.
Antihalation coating. C. R. Fordyce and J. Emerson. 2,275,817; Mar. 1.
Antiskid apparatus. J. F. Alexander. 2,275,834; Mar. 10.
Antivibration resilient support. M. F. A. Julien. 2,275,966; Mar. 10.
Apparatus for atomizing liquids. W. A. Simanton. 2,275,691; Mar. 10.
Apparatus for continuously processing wire. I. L. Sharlow. 2,275,563; Mar. 10.
Apparatus for controlling the glide path for radio landing of aircraft. G. L. Davies. 2,275,673; Mar. 10.
Apparatus for dry disinfecting of razors, surgical instruments, and the like. C. B. and P. Bruni. 2,275,672; Mar. 10.
Apparatus for drying and conditioning. B. M. Jones. 2,275,854; Mar. 10.
Apparatus for electrical transformation. W. B. Bolannon. 2,276,013; Mar. 10.
Apparatus for forming centrifugally cast linings. W. Brown. 2,275,504; Mar. 10.
Apparatus for forming multipane glazing units. H. M. Woelfel. 2,275,811; Mar. 10.
Apparatus for mixing cement. R. P. Lowry. 2,276,237; Mar. 10.
Apparatus for preparing foods. W. G. Harwood. 2,275,901; Mar. 10.
Apparatus for rotary drilling. J. A. Zublin. 2,275,832; Mar. 10.
Apparatus for separating mixed materials. T. Fraser. 2,275,849; Mar. 10.
Apparatus for setting fuses of projectiles. F. A. Joseph. 2,275,855; Mar. 10.
Apparatus for verifying statistical data. J. W. Bryce. 2,275,609; Mar. 10.
Apparatus for winding skeins of yarn. J. W. Miller and H. C. Thrasher. 2,275,544; Mar. 10.
Appliance for use in repairing automobile bodies. W. H. Ferguson. 2,275,894; Mar. 10.
Approach control apparatus for railway signaling systems. H. G. Blosser. 2,275,838; Mar. 10.
Archery accessory. H. D. Sheldon. 2,275,870; Mar. 10.
Arm rest and utility light. J. Chipka. 2,276,020; Mar. 10.
Article of furniture and radio receiving set, Combined. D. J. Crowley. 2,275,506; Mar. 10.
Article of furniture and radio receiving set, Combined. D. J. Crowley and E. W. Dulmage. 2,275,507; Mar. 10.
Articles and apparatus therefor, Making composite metal. W. Brown. 2,275,503; Mar. 10.
Articles, Making printed. H. Menihan. 2,275,592; Mar. 10.
Ash discharge means for stokers. R. L. Beers. 2,275,492; Mar. 10.
Asphalt and producing the same. D. E. Carr. 2,276,155; Mar. 10.
Atomizer closure. R. W. Wilson. 2,275,666; Mar. 10.
Attachment for electric razors. J. N. Weiland. 2,275,810; Mar. 10.
Auto door lock. J. F. Ching. 2,276,019; Mar. 10.
Automatic turn signal. F. J. Bachman. 2,275,488; Mar. 10.
Automobile change speed indicator. L. T. Stafford. 2,275,695; Mar. 10.
Awning, Metal. F. G. Duewcke. 2,275,744; Mar. 10.
Azeotropic condensate, Treating. D. F. Othmer and R. E. White. 2,275,802; Mar. 10.

Baffle and wall, Water cooled. G. W. Davey. 2,276,025; Mar. 10.
Bag: *See*—
Fruit picker's bag.
Square bottom bag.
Value bag.
Balancer, Articulate. E. W. Burns and A. D. Hagan. 2,275,726; Mar. 10.
Balloon, Power driven. G. J. Kimbel. 2,275,771; Mar. 10.
Balls, Making coreless golf. D. G. Slovin. 2,275,658; Mar. 10.
Balls, Method and apparatus for covering. W. E. Humphrey. 2,275,440; Mar. 10.
Bath rotary, Oil. S. C. Fietinghoff, A. R. Maier, and C. F. Van Loozen. 2,275,895; Mar. 10.
Battery charging system. G. Bellows, Jr. 2,275,837; Mar. 10.
Battery, Fuel gas. H. H. Gregor. 2,276,188; Mar. 10.
Bearing. G. Bell. 2,276,143; Mar. 10.
Bed, Hospital. S. S. Marchbanks. 2,275,973; Mar. 10.
Bedlike deposits, particularly thick beds of lignite and mineral coal, System of working. K. Lehmann. 2,275,912; Mar. 10.
Belt for trouser supports, Concealed. N. Gold. 2,275,751; Mar. 10.
Belt, Safety. F. G. Manson. 2,275,450; Mar. 10.
Belt structure, Wire fabric. O. C. Scherfel. 2,276,099; Mar. 10.
Billfold and license case. L. L. Sherwood. 2,275,690; Mar. 10.
Binder for knitting machines, Yarn. R. H. Lawson and I. H. C. Green. 2,276,214; Mar. 10.
Binding, Ski. R. E. Leith. 2,275,913; Mar. 10.
Binding, Ski. L. Nashe and O. Overgaard. 2,276,252; Mar. 10.
Bird nest holder. G. Lorenz. 2,275,914; Mar. 10.
Blasting machine, Centrifugal. L. L. Hobson. 2,275,434; Mar. 10.
Blasting machine, Centrifugal. C. E. Unger. 2,275,479; Mar. 10.
Bleeding time, Method of and apparatus for determining. A. L. Copley and J. L. Lalich. 2,276,021; Mar. 10.

Boat. V. B. Edwards. 2,275,618; Mar. 10.
Boat, Boot. J. W. Meyers. 2,276,082; Mar. 10.
Book. N. B. Grace. 2,275,956; Mar. 10.
Box: *See*—
Electrical service box.
Bracket attachment, Shade roller. J. N. Kahn. 2,275,907; Mar. 10.
Brake. M. W. Bowen. 2,275,722; Mar. 10.
Brake beam head. F. Schaefer. 2,276,065; Mar. 10.
Brake booster, Hydraulic. B. Stelzer. 2,275,697; Mar. 10.
Brake mechanism. E. G. Mueller. 2,275,916; Mar. 10.
Brake mechanism, Hydraulic gun barrel. B. P. Joyce. 2,275,632; Mar. 10.
Braking apparatus, Railway: H. C. Clausen. 2,275,888; Mar. 10.
Braking control, Automatic dynamic. D. E. Renshaw. 2,275,557; Mar. 10.
Branch fitting. C. H. Gay. 2,275,520; Mar. 10.
Brewer, Beverage. W. S. Edwards. 2,275,746; Mar. 10.
Bromide, Purification of aluminum. H. Pines. 2,275,465; Mar. 10.
Bromomethanes, Preparing chlorinated. K. Dachlauer and H. Petri. 2,276,166; Mar. 10.
Brush, Dusting. G. M. Marks and R. B. Drew. 2,276,078; Mar. 10.
Brush-holder assembly. R. W. Schuck. 2,276,066; Mar. 10.
Brush rigging for electric machines. J. F. Cullin. 2,275,613; Mar. 10.
Building and like structures, Insulating. J. L. Finck. 2,276,076; Mar. 10.
Building construction. D. D. Crandell. 2,275,815; Mar. 10.
Bumper, Mine car. W. T. Dalton. 2,276,167; Mar. 10.
Burner: *See*—
Combination burner. Liquid fuel burner.
Gas burner. Oil burner.
Hydrocarbon burner.
Burner. R. S. Moore. 2,275,980; Mar. 10.
Burr removing device. L. Young and A. A. Boyle. 2,276,007; Mar. 10.
Bushing supporting means for oil well rigs. W. A. Abegg. 2,275,813; Mar. 10.
Butter cutting machine. A. Slaten. 2,275,566; Mar. 10.
Cabinet. *See*—
Kitchen wall cabinet.
Cable: *See*—
Fire detector cable.
Calendering machine. A. Magnani. 2,275,535; Mar. 10.
Call selector. E. Torcheux. 2,275,930; Mar. 10.
Camera attachment, Pistol grip movie. G. F. Olmstead. 2,275,644; Mar. 10.
Camera for taking a plurality of photographs on one plate. H. Friederichs. 2,275,519; Mar. 10.
Can spraying machine. H. C. Hopkins. 2,275,437; Mar. 10.
Cap: *See*—
Hunter's cap.
Cap. I. E. Soboroff. 2,275,693; Mar. 10.
Capsule machine. E. A. Ravenscroft and G. H. Tammi. 2,275,654; Mar. 10.
Car construction, Refrigerator. W. E. Baillie. 2,275,717; Mar. 10.
Car construction, Refrigerator. C. D. Bonsall. 2,275,721; Mar. 10.
Carburetor, Fuel lift. H. W. Meade. 2,275,541; Mar. 10.
Card identifying and issuing machine. W. Spears. 2,276,111; Mar. 10.
Carrier. *See*—
Yarn carrier.
Carrier frequency modulation. H. N. Kozanowski and I. E. Mouromtseff. 2,275,970; Mar. 10.
Carrier frequency system. A. Wiessner and H. Nitz. 2,276,132; Mar. 10.
Carton, Paperboard. C. P. Wellman. 2,276,128; Mar. 10.
Case: *See*—
Billfold and license case.
Casing bridging device. R. C. Baker. 2,275,936; Mar. 10.
Catalysis, Suppression of metal. J. A. Chenicek. 2,276,158; Mar. 10.
Catalytic reactions, Process and apparatus for exothermic. J. K. Dixon. 2,276,229; Mar. 10.
Catalytic reactor. H. L. Pelzer and W. S. Gullette. 2,275,920; Mar. 10.
Cathode ray tube. L. E. Record. 2,275,864; Mar. 10.
Cathodes, Activating. R. J. Bondley, H. A. Liebhafsky, and A. F. Winslow. 2,275,886; Mar. 10.
Cement product and manufacture of same, Molded. W. J. Moeller. 2,276,083; Mar. 10.
Cementing device for well casings. R. C. Baker. 2,275,937; Mar. 10.
Centrifugal switch. F. J. Johns. 2,276,043; Mar. 10.
Cereals, Fortifying. R. C. Sherwood and J. S. Andrews. 2,275,565; Mar. 10.
Chain: *See*—
Tire chain.
Chair: *See*—
Adjustable reclining chair Reclining chair.
Chaser and chaser holding means. W. J. Hogg. 2,275,435; Mar. 10.
Chemical light filters. L. B. Kilgore. 2,276,204; Mar. 10.
Chemical reaction control. C. L. Thomas. 2,276,120; Mar. 10.
Chlorine and sodium sulphate, Production of. A. H. Maude. 2,276,079; Mar. 10.
Chlorosulphonates, Manufacturing. R. K. Iler. 2,276,041; Mar. 10.
Chopper, Meat. K. Engelsted. 2,275,516; Mar. 10.
Christmas tree illuminating system. W. R. Landy. 2,275,533; Mar. 10.
Chuck. H. E. Sloan, H. E. Sloan, Jr., and G. A. Highberg. 2,275,828; Mar. 10.
Cigarette case ejector mechanism. C. W. Julian. 2,275,965; Mar. 10.
Cigarettes from drying out, Preventing. D. P. Lee. 2,276,217; Mar. 10.
Circuit and switch for reversing single-phase motors. R. H. Bentley. 2,275,495; Mar. 10.
Circuit breaker. R. T. Coe. 2,275,890; Mar. 10.
Circuit breaker, Gas blast electric. H. Trencham and H. E. Cox. 2,275,872; Mar. 10.
Circuit controller. B. W. Foss and W. McGee. 2,276,180; Mar. 10.
Circuit for cathode ray tube distributors, Sweep. R. E. Mathes. 2,275,974; Mar. 10.
Circuit for the electric transmission of intelligence. G. E. Knausenberger. 2,275,530; Mar. 10.
Circuits and the like, Thermionic valve voltmeter. C. S. Bull and A. D. Blumlein. 2,276,152; Mar. 10.
Circular loom. E. Kinsella and A. Cross. 2,275,529; Mar. 10.
Clamp for junction boxes. P. A. Check. 2,275,841; Mar. 10.
Clasp. P. J. Peregallo. 2,276,086; Mar. 10.
Cleaner: *See*—
Drain cleaner. Pipe line cleaner.
Cleaning device. M. Motto. 2,275,546; Mar. 10.
Clip: *See*—
Fabric clip. Release clip.
Clipper, Hair. J. Oster. 2,276,061; Mar. 10.
Clock, Universal. L. Y. Booharin. 2,275,604; Mar. 10.
Closure for battery box covers. R. Reppert. 2,276,091; Mar. 10.
Closure for battery box covers. R. Reppert and R. A. Johnson. 2,276,092; Mar. 10.
Closure operating mechanism. C. Norton, P. Karmel, and B. W. Tucker. 2,275,643; Mar. 10.
Coal loader. J. E. Falconer. 2,275,950; Mar. 10.
Coating and drying machine, Multilime. P. M. Murphy. 2,275,794; Mar. 10.
Coffee maker. H. G. Lehmann. 2,276,216; Mar. 10.
Coil, Electric. E. M. Keillor and J. W. Hasse. 2,275,967; Mar. 10.
Coil, Metal. S. Nyberg. 2,275,458; Mar. 10.
Coil winding machine. E. V. Schneider. 2,275,995; Mar. 10.
Coils, Winding. S. O. Shields. 2,275,871; Mar. 10.
Coin package. B. H. Freedman. 2,275,424; Mar. 10.
Combination burner. N. E. Wiant. 2,276,131; Mar. 10.
Combination ignition switch lock. N. Mangini. 2,275,781; Mar. 10.
Composition for electrical insulation and other technical uses. W. C. Rodgers. 2,275,558; Mar. 10.
Compression or vacuum machine. F. Kraissl, Jr. 2,275,774; Mar. 10.
Computing and printing machine. O. J. Sundstrand. 2,276,115; Mar. 10.
Concrete block machine. L. Gelbman, E. F. Olsen, and A. B. Mays. 2,275,676; Mar. 10.
Condensation of allyl halides and substituted allyl halides. M. S. Kharrasch. 2,276,203; Mar. 10.
Condensation polymers, Treatment of substantially solid resinous linear. A. L. Dubeau, J. D. MacMahon, and G. P. Vincent. 2,276,030; Mar. 10.
Condensation product and method. E. T. Clocker. 2,275,843; Mar. 10.
Condensation products and making same, Cyclic. M. W. Goldberg. 2,275,752; Mar. 10.
Condensation products of rosin and rosin esters and the production thereof. A. L. Osterhof. 2,275,986; Mar. 10.
Conductor terminal. K. H. Andren and R. T. Baird. 2,276,140; Mar. 10.
Conduit, Prefabricated. W. S. Somers. 2,275,572; Mar. 10.
Connector: *See*—
Electrical connector.
Container. J. A. Gray. 2,275,426; Mar. 10.
Container: *See*—
Dispensing container. Shipping container.
Container. D. G. Magill. 2,275,449; Mar. 10.
Container. W. L. R. Menges. 2,275,542; Mar. 10.
Container and making the same. W. J. Geist. 2,275,896; Mar. 10.
Container closure. A. E. Smith. 2,275,567; Mar. 10.
Container for smudge oil, Paper. W. D. Le Veille, Sr. 2,276,220. Mar. 10.
Container manufacture. W. E. Sooy and R. W. von Sydow. 2,275,571; Mar. 10.
Control device. E. J. Dillman. 2,276,227; Mar. 10.
Control device. W. J. Ettinger. 2,275,893; Mar. 10.
Control device. A. G. Hann. 2,275,624; Mar. 10.
Control device. H. L. Newell. 2,275,917–18; Mar. 10.
Control for absorption refrigerating systems. F. P. Shannon. 2,275,997; Mar. 10.
Control for rolling mill. F. P. Dahlstrom. 2,275,509; Mar. 10.
Control mechanism for presses. M. R. Harris. 2,275,758; Mar. 10.
Control system. H. Bany. 2,275,882; Mar. 10.
Control system for towing and mooring winches. E. Frisch. 2,275,953; Mar. 10.
Control valve. R. C. Baker. 2,275,938; Mar. 10.
Conveying apparatus. J. L. Herold, W. J. Nekola and F. W. Wehlmiller. 2,275,433; Mar. 10.
Conveyor system. G. T. Hart, Jr., and E. E. Winkley. 2,275,431; Mar. 10.
Copolymers of esters of alpha-methylene open chain aliphatic monocarboxylic acids with frosting drying oil varnishes. R. B. Flint and H. S. Rothrock. 2,276,176. Mar. 10.
Copying machine. M. A. Lotz. 2,275,778; Mar. 10.
Costumer, Extensible. J. M. Lane. 2,276,211; Mar. 10.
Counter. M. Peyser. 2,276,062; Mar. 10.
Coupling: *See*—
Multispeed reversing cou- Picker stick coupling.
pling.
Coupling and draft rigging mechanism, Combined. W. T. Dalton. 2,276,168; Mar. 10.
Cover for cooler cabinets. H. D. King. 2,276,205; Mar. 10.
Craft, Heavier-than-air. G. M. B. Lane and B. K. Bird. 2,275,777; Mar. 10.
Crank balanced unit. E. W. Patterson. 2,275,919; Mar. 10.
Crusher, Rock. H. C. Pope and R. W. Lawson. 2,275,649; Mar. 10.
Cup, Piston and packing. B. Dick. 2,276,027; Mar. 10.
Curler. J. Hommer. 2,276,196; Mar. 10.
Curler, Hair. E. E. Custis. 2,276,165; Mar. 10.
Current responsive device. M. W. Scheldorf. 2,275,868; Mar. 10.
Cutting machine. F. G. Clark. 2,275,733; Mar. 10.
Cylinder, Hydraulic brake master. P. S. Baldwin. 2,276,009; Mar. 10.
Damper construction, Fireplace. H. A. Benjamin. 2,275,493; Mar. 10.
Defects in metal articles, Locating. A. E. F. Billstein. 2,276,011; Mar. 10.
Derivatives of ethers, sulphuric. H. Bertsch. 2,275,413; Mar. 10.
Derivatives of furfural and method of making. H. L. Ross and A. W. C. Wroblewski. 2,275,923; Mar. 10.
Descaling, cleaning and coating machine. P. M. Murphy. 2,275,793; Mar. 10.
De-superheating, Method of and apparatus for. H. J. Mastenbrook. 2,276,055; Mar. 10.
Detonation, detector system. C. S. Draper and J. H. Lancer, Jr. 2,275,675; Mar. 10.
Device for curling chenille. A. Unger. 2,276,124; Mar. 10.
Device for firing blank cartridges before microphones. T. Maynard. 2,276,056; Mar. 10.
Device for removing casing sections. R. O. Childers. 2,275,946; Mar. 10.
Device for use in guiding and supporting children. E. J. Nadeau. 2,275,983; Mar. 10.
Dial combination for radio receiving sets. J. Pierrel. 2,275,463; Mar. 10.
Dial, Illuminated. E. W. Gardinor. 2,275,621; Mar. 10.
Diamond-holding tool. J. Dinhofer. 2,275,511–12. Mar. 10.
Diaphragm, Pressure. S. J. Zand. 2,275,712; Mar. 10.
Diaphragm support, X-ray bucky. C. Young. 2,276,137; Mar. 10.
Die-casting machine, Pneumatically operated. L. A. Catlin and W. H. Cockerill. 2,275,731. Mar. 10.
Die set and template mounting. G. F. Wales. 2,275,706; Mar. 10.
Differential protective relaying system. R. M. Smith and M. A. Bostwick. 2,276,068; Mar. 10.
Direction finding system. F. E. Terman. 2,276,119; Mar. 10.
Direction signal switch. O. M. Nacker and A. L. Vargha. 2,275,796; Mar. 10.
Directional operating means for electric switches. W. L. Dietrich and R. H. Bentley. 2,275,510; Mar. 10.
Discharge device. J. Dellian and J. Kern. 2,275,739; Mar. 10.
Dishwasher. M. T. Ashe. 2,275,411; Mar. 10.
Disk holding device. I. E. Siqveland. 2,276,067; Mar. 10.
Dispenser: *See*—
Adhesive sheet dispenser. Tape dispenser.
Adhesive tape dispenser.
Dispensing apparatus. D. B. McDonald. 2,275,915; Mar. 10.
Dispensing container. C. P. Trester and H. A. Trester. 2,275,703; Mar. 10.
Dispensing device. F. H. Maloney. 2,275,972; Mar. 10.
Dispersion compositions. W. R. Catlow, Jr., and H. F. Wakefield. 2,275,583; Mar. 10.
Display device for garments. E. E. Fisher. 2,275,749; Mar. 10.
Distillation, control apparatus. W. J. Podbielniak. 2,275,648; Mar. 10.
Distances of elastic discontinuities, Method and apparatus for determining. R. T. Cloud. 2,275,735; Mar. 10.
Door and removable mullion therefor, Upward acting. J. E. Casse. 2,275,729; Mar. 10.
Door structure, Railway sliding. A. Wasberg. 2,275,707; Mar. 10.
Double exposure prevention. J. Mihalyi. 2,275,791. Mar. 10.
Dough sheeter. F. A. Anetsberger and D. H. Whiethead. 2,275,714; Mar. 10.
Draft control, Boiler. W. M. Adams. 2,275,833; Mar. 10.
Drain cleaner. H. I. Gardner. 2,275,850; Mar. 10.
Drapery hanger. H. Kruse. 2,276,209; Mar. 10.
Drill-grinding fixture. C. H. Berg. 2,275,496; Mar. 10.
Drill holes, Method and apparatus for radioactive investigation. J. Neufeld. 2,275,456; Mar. 10.
Drilling fluid. C. E. Wuensch. 2,276,075; Mar. 10.
Drive, Continuous power take-off. E. F. Stumpf. 2,276,000; Mar. 10.
Driving connection for film-handling apparatus employing removable film magazines. E. M. Berndt. 2,275,497–8; Mar. 10.
Dual wheel wrench. J. Keiser. 2,275,633; Mar. 10.
Duplicating machine. M. P. Neal. 2,275,455; Mar. 10.
Duster. H. Goldfinger. 2,276,264; Mar. 10.
Dyeing apparatus. J. H. Higginson and H. C. Riggs. 2,275,818; Mar. 10.
Dyestuffs and their manufacture, Polyazo. F. Dobler and H. Buess. 2,276,169; Mar. 10.
Dyestuffs and their manufacture, Stilbene. E. Keller. 2,276,202; Mar. 10.
Dyestuffs, Azo. R. Fleischhauer and A. Müller. 2,276,174; Mar. 10.
Earth mover. E. W. Austin and H. W. Rockwell. 2,275,601; Mar. 10.
Educational device. R. B. Johnson. 2,275,590; Mar. 10.
Educator, Electrical. V. C. Parker. 2,275,988; Mar. 10.
Electric circuit breaker. P. Bartlett. 2,275,885; Mar. 10.
Electric circuit breaker. H. E. Cox and A. C. Gibson. 2,275,891; Mar. 10.
Electric contactor, Thermally responsive. B. A. Pearson. 2,276,085; Mar. 10.
Electric cord plug. A. Brownstein. 2,276,017; Mar. 10.
Electric lamp. J. Kern and H. Krefft. 2,275,768; Mar. 10.
Electric motor. A. W. Plensler. 2,275,827; Mar. 10.
Electric resistor. K. L. Britton and R. O. Eaton. 2,275,840; Mar. 10.
Electric switch. J. R. Caldwell. 2,276,257; Mar. 10.
Electric switch. P. Hutt. 2,275,853; Mar. 10.
Electric switch. G. J. Meuer. 2,275,789; Mar. 10.
Electric switch. J. W. Samzelius. 2,276,006; Mar. 10.
Electric switch. E. A. Williams, Jr., C. L. Schuck, and G. P. Clute. 2,275,831; Mar. 10.
Electrical apparatus, High frequency. R. H. Varian, W. W. Hansen, and L. M. Applegate. 2,275,480. Mar. 10.
Electrical connecting means. R. F. Horton. 2,275,762; Mar. 10.
Electrical connector. E. R. Olson. 2,275,800; Mar. 10.
Electrical contact means. G. E. Whitehead. 2,276,130; Mar. 10.
Electrical incandescent lamp. L. J. Davies, H. W. H. Warren, and G. Hamilton. 2,275,674; Mar. 10.
Electrical protective device. H. T. Bussmann. 2,275,403; Mar. 10.
Electrical service box. C. J. Grieder. 2,275,754; Mar. 10.
Electrical thermomotive device. C. W. Musser. 2,275,795; Mar. 10.
Electrode assembly. C. C. Herskind. 2,275,852; Mar. 10.
Electrode for shoe-treating apparatus. G. T. Hart, Jr. and E. E. Winkley. 2,275,430; Mar. 10.
Electromagnetic device. H. T. Seeley. 2,275,924; Mar. 10.
Electron beam control apparatus. R. M. Page. 2,275,460; Mar. 10.
Emulsion, Photographic. B. H. Carroll and C. F. H. Allen. 2,275,727; Mar. 10.
End gate lock. R. L. Perrin. 2,275,551; Mar. 10.
Energy dissipating or shock absorbing unit. R. G. Sturm and E. Jeffries. 2,275,573; Mar. 10.
Engine: *See*— Light weight engine.
Internal combustion engine.
Engine cylinder head, Internal combustion. I. E. Askc. 2,275,715; Mar. 10.
Engine starting mechanism. R. M. Nardone. 2,275,640; Mar. 10.
Envelope. M. Kahn. 2,275,767; Mar. 10.
Epinephrine and amino acids and products thereof, Reaction of. R. G. Roberts. 2,275,809; Mar. 10.
Esters containing dicarboxylic acid groups, Mixed polyvinyl. M. Salo. 2,275,685; Mar. 10.
Esters of silicic and boric acids, Alpha, beta-unsaturated primary alcohol. H. S. Rothrock. 2,276,094; Mar. 10.
Esters, Preparation of unsaturated alcohol. M. A. Pollack and A. G. Chenicek. 2,275,466–7; Mar. 10.
Esters, Vinylaryl. V. V. Alderman and W. E. Hanford. 2,276,138; Mar. 10.
Explosive missile. W. O. Snelling. 2,276,110; Mar. 10.
External combustion motor. G. N. Hanson. 2,275,756; Mar. 10.
Extraction of lower aliphatic acids. D. F. Othmer. 2,275,862; Mar. 10.

Extractor: *See*—
Venom extractor.
Eyeglasses. M. Schwartz. 2,276,102; Mar. 10.
Eyelet machine. W. D. Pierson. 2,275,681; Mar. 10.
Fabric clip. C. E. Rutledge. 2,275,683; Mar. 10.
Fabric printing machine. H. J. Strauss. 2,276,113; Mar. 10.
Fabric printing procedure. H. J. Foster. 2,276,181; Mar. 10.
Fabrics and like materials to produce effects therein and products therefrom, Treating. G. Heberlein and E. Weiss. 2,275,851; Mar. 10.
Fan heater unit. C. O. Bergstrom. 2,276,144; Mar. 10.
Fastener: *See*—
Hasp and staple fastener.
Necktie and necktie fastener.
Paper fastener.
Welded ball panel fastener.
Fastener. B. C. Place. 2,275,553; Mar. 10.
Fastener element, Interlocking. T. G. Miller. 2,275,454; Mar. 10.
Fastening device. H. W. Kost. 2,275,773; Mar. 10.
Fault protective system. H. Bany. 2,275,881; Mar. 10.
Feed handling apparatus. F. K. Chandler. 2,275,887; Mar. 10.
Feeding device for slicing machines, Auxiliary object. S. Gronich. 2,275,524; Mar. 10.
Ferro-alloys, Making. J. C. Vignos. 2,276,074; Mar. 10.
Fibrous material, Cleaning and disinfecting. I. E. Muskat and A. G. Chenicek. 2,275,593; Mar. 10.
Filler device edge rolling machines. J. P. McCaslin. 2,276,080; Mar. 10.
Filling mechanism. F. D. Chapman. 2,276,157; Mar. 10.
Film, Combined sound and picture film. L. S. Wilder. 2,275,710; Mar. 10.
Film projector for television scanning, Sound. C. F. Mattke and R. V. Terry. 2,275,540; Mar. 10.
Film sound recording system. E. C. Manderfeld. 2,275,537; Mar. 10.
Filter apparatus. J. W. Taylor. 2,276,118; Mar. 10.
Fire detecting system. F. C. Evans. 2,275,949; Mar. 10.
Fire detector cable. W. J. Turenne. 2,275,873; Mar. 10.
Fishing apparatus. E. F. Hannon, Jr. 2,275,960; Mar. 10.
Flash light tester. S. C. Stamps. 2,275,696; Mar. 10.
Flow control device. E. P. Sundholm. 2,275,447; Mar. 10.
Flow control device. E. P. Sundholm. 2,275,477; Mar. 10.
Fluid control system. E. C. Brisbane. 2,275,608; Mar. 10.
Fluid flow indicator. A. Scholin. 2,276,100; Mar. 10.
Fluid pressure braking system. H. C. Swift. 2,275,700; Mar. 10.
Fluid spring. A. R. Parilla. 2,275,462; Mar. 10.
Fluid treating apparatus. G. Kuhn. 2,275,444; Mar. 10.
Fluids, Heating of. H. A. Becker. 2,275,412; Mar. 10.
Fluids, Heating of. W. C. Hensel. 2,275,432; Mar. 10.
Fluorides and their preparation, Aliphatic sulphouyl. P. L. Salzberg. 2,276,097; Mar. 10.
Folding machine. O. W. Johnson. 2,275,964; Mar. 10.
Folding, sealing, and cutting mechanism. H. A. Mead. 2,275,976; Mar. 10.
Foot valve. A. Boynton. 2,275,417; Mar. 10.
Form for molding concrete walls or columns. H. M. Dark. 2,275,738; Mar. 10.
Formaldehyde, Hydrogenation of. W. E. Hanford and R. S. Schreiber. 2,276,192; Mar. 10.
Forming-die apparatus. H. B. Lindsay. 2,276,052; Mar. 10.
Frame: *See*—
Stretcher supporting frame.
Frame. H. Anderson and S. Hart. 2,276,139; Mar. 10.
Frame for X-ray use, Cassette. K. Lowitzsch. 2,275,857; Mar. 10.
Frequency control system and apparatus. R. E. Zenner. 2,275,669; Mar. 10.
Friction element. R. E. Spokes. 2,276,070; Mar. 10.
Fruit cooling apparatus. E. H. Greene. 2,275,588; Mar. 10.
Fruit picker's bag. T. P. Petersen. 2,276,087; Mar. 10.
Fuel system, Automatic safety. D. Samiran. 2,275,471; Mar. 10.
Fuels, Production of motor. R. B. Ewell. 2,276,171; Mar. 10.
Furnace: *See*—
Removable bottom furnace.
Furnace wall. N. E. Werner. 2,275,933; Mar. 10.
Furnaces Method of and apparatus for cooling blast. G. S. Dunham. 2,275,515; Mar. 10.
Fuse device, Electric. E. W. Garrison, Jr. 2,276,183; Mar. 10.
Fuse, Electric. E. W. Garrison, Jr., and G. N. Lemmon. 2,276,184; Mar. 10.
Game-score indicating device. F. M. New. 2,275,797; Mar. 10.
Garment, Foundation. M. Kahn. 2,275,528; Mar. 10.
Garment, Sport. C. L. Stokes. 2,276,072; Mar. 10.
Gas burner. J. J. Power. 2,275,555; Mar. 10.
Gas lift. J. M. Courtney. 2,275,947; Mar. 10.
Gauge: *See*—
Oil well strain gauge.
Pneumatic thickness gauge.
Gauging apparatus. C. A. Lang. 2,276,212; Mar. 10.
Gear: *See*—
Synchronized low gear.
Gear pump. J. P. Simons. 2,276,107; Mar. 10.
Gearshift control. E. S. MacPherson. 2,275,779; Mar. 10.
Gear shifting mechanism. R. P. Breese. 2,275,944; Mar. 10.
Gear teeth, Apparatus for grinding. E. Parz. 2,275,804; Mar. 10.
Gears for Diesel engines, Reversing. G. E. Ramstad. 2,275,921; Mar. 10.
Generator: *See*—
Acetylene generator.
High voltage generator.
Gin, Cotton. T. S. Grimes. 2,275,755; Mar. 10.
Girdle. E. D. Kattermann. 2,276,045; Mar. 10.
Glass article and making the same, Decorated. M. Skolnik. 2,276,108; Mar. 10.
Glass insulation system, Window. S. A. Stoneback. 2,276,112; Mar. 10.
Glass replacement tool. L. Chubb. 2,275,732; Mar. 10.
Glazing unit, Preformed multipane. H. M. Woelfel. 2,275,812; Mar. 10.
Glycerine fermentation process. N. M. Mnookin. 2,275,639; Mar. 10.
Goggles, Folding. L. Strauss. 2,275,999; Mar. 10.
Golf practice apparatus. A. Smith. 2,275,568; Mar. 10.
Grader, Seed corn. J. R. Voorhees. 2,276,126; Mar. 10.
Grain separating chaffer. C. M. Bremner. 2,275,724; Mar. 10.
Griddle, Pancake. T. Vouvalidis. 2,276,005; Mar. 10.
Grinder, Crank pin. E. S. Hanson, Jr. 2,275,757; Mar. 10.
Grinding and polishing machine. C. R. Moon. 2,276,059; Mar. 10.
Grinding apparatus. R. B. Parker. 2,275,483; Mar. 10.
Grinding machine. F. Turrettini. 2,276,260; Mar. 10.
Grinding mill. M. L. Rahner. 2,275,992; Mar. 10.
Grinding tool. R. F. Cleary. 2,275,889; Mar. 10.
Ground detector. H. Bany. 2,275,883; Mar. 10.
Guide, Material mixing. G. E. Weissert. 2,275,577; May 10.
Gun, Telescopic sight. C. R. Johnson. 2,275,631; Mar. 10.
Handle for utensils, Detachable. H. A. Werfel. 2,275,875–6; Mar. 10.
Hanger: *See*—
Drapery hanger.
Hasp and staple fastener. R. R. Hoffman. 2,275,760; Mar. 10.
Header or upsetting machine. R. L. Wilcox. 2,275,665; Mar. 10.
Headstock. B. F. Bregi. 2,275,723; Mar. 10.
Heat treating apparatus. W. E. Wagner. 2,275,705; Mar. 10.
Heater: *See*—
Portable oil heater.
Vehicle heater.
High frequency modulating system. W. C. Hahn. 2,276,247; Mar. 10.
High voltage generator. N. E. Lindenblad. 2,275,635; Mar. 10.
Hinge butt and constructing the same. J. Soss. 2,276,255; Mar. 10.
Hinge, Fire screen. T. W. Barry. 2,275,942; Mar. 10.
Hoist, Beekeeper's. T. B. Turner, Sr. 2,275,704; Mar. 10.
Holder: *See*—
Bird nest holder.
Hot vegetable holder.
Record holder.
Hoisting apparatus. F. C. Garand. 2,276,182; Mar. 10.
Holder for mixing machines, Bottle. J. Kantor. 2,275,823; Mar. 10.
Hood latch. S. De Orlow. 2,275,740; Mar. 10.
Hot vegetable holder. A. Maisto. 2,275,536; Mar. 10.
Humidifier. W. J. Woolley. 2,276,135; Mar. 10.
Humidity responsive control device. K. E. Whitney. 2,275,708; Mar. 10.
Hunter's cap. I. E. Soboroff. 2,275,694; Mar. 10.
Hydraulic propulsion mechanism for boats and other water vehicles. K. Hanley. 2,276,193; Mar. 10.
Hydrocarbon burner. M. E. Palsgrove. 2,275,550; Mar. 10.
Hydrocarbon conversion. J. D. Seguy. 2,276,103; Mar. 10.
Hydrocarbons, Alkylation of. J. C. Morrell. 2,276,250–1; Mar. 10.
Hydrocarbons, Conversion of. E. R. Kanhofer. 2,275,441; Mar. 10.
Hydrocarbons, Conversion of. E. H. McGrew. 2,276,081; Mar 10.
Hydrocarbons, Treatment of. A. V. Grosse and C. B. Linn. 2,276,189; Mar. 10.
Ignition and control device for burners, Safety. G. Herbster. 2,275,962; Mar. 10.
Ignition apparatus. F. Miess. 2,275,861; Mar 10.
Ignition system for burners. A. Stockstrom, D. D. Burnside, and E. H. Kahler. 2,275,998; Mar. 10.
Ignition system for burners, Automatic. A. H. Brodbeck and E. H Kahler. 2,276,015; Mar. 10.
Illuminated sign. A. Gauthier. 2,276,185; Mar. 10.
Illuminated sign. J. J. Sture. 2,276,114; Mar. 10.
Illuminating device for copyholders. E. Shantz. 2,275,562; Mar. 10
Image reverser for cameras. W. C. Huebner. 2,275,905; Mar. 10.
Impulse transmitter. V. E. Legg. 2,275,448; Mar. 10.

Indicator: *See*—
Automobile change speed indicator.
Fluid flow indicator.
Rate of climb indicator.
Telephone call indicator.
Volt ampere indicator.
Ink fountain structure. E. F. Dudley 2,275,514; Mar. 10.
Ink, Setting printing. A. E. Gessler. 2,275,521; Mar. 10.
Insulating material and method and apparatus for forming the same, Flowable heat. R. Ericson. 2,275,816; Mar. 10.
Insulating material and conductor insulated with such material, Electric. A A. New. 2,276,084; Mar. 10.
Insulating materials on metal objects, Coating. G. S. P. Freeman. 2,275,952; Mar. 10.
Intercommunication system. F. Berhley. 2,275,405–6; Mar. 10.
Interlocked switch. G. N Lemmon. 2,276,219; Mar. 10.
Internal combustion engine. O. A. Kunz. 2,275,775; Mar. 10.
Internal combustion engine. M. Ware. 2,275,576; Mar. 10.
Iso-octane, Production of. L. S. Kassel 2,276,199; Mar. 10.
Jet cleaning means. S. Gronow and H. Lahde. 2,276,034; Mar. 10.
Kicker for the duckbills of coal loaders. J. MacPherson. 2,276,238; Mar. 10.
Kit, Crochet. I. D. E. Miller. 2,275,545; Mar. 10.
Kitchen wall cabinet. L. J. Koch. 2,275,772; Mar. 10.
Laminated articles, Molding. H. C. Guhl. 2,276,035; Mar. 10.
Lamp: *See*—
Electric lamp.
Electrical instrument lamp.
Photographic dark room lamp.
Radiant energy lamp.
Lamp making method. C. A. Laise. 2,276,048; Mar 10.
Lantern, Portable electric. C. S. Packer. 2,275,987; Mar. 10.
Latch: *See*—
Hood latch.
Leash, Dog. C. A. Taylor. 2,275,701; Mar. 10.
Lens, Light diffusing. E W. Beck and V. Walker. 2,275,602; Mar. 10.
Light weight engine. L. M. Taylor. 2,275,478; Mar. 10.
Lighter, Cigar. H. G. Lehmann. 2,276,215; Mar. 10.
Motorized valve. G. I. Holmes. 2,276,195; Mar. 10.
Light: *See*—
Arm rest and utility light.
Portable light.
Sign light.
Lighter, Cigar. J. R. Reyburn. 2,275,922; Mar. 10.
Lighter, Electric resistance. G. J Horther. 2,276,039; Mar. 10.
Lightning arrester, Self-clearing. L. R. Ludwig and E. F. W. Beck. 2,276,054; Mar. 10.
Lip coloring device. A. Kirth. 2,276,047; Mar. 10
Liquid dispensing device. J. L. Ciem. 2,275,842; Mar. 10.
Liquid fuel burner. W. C. Mason. 2,275,678; Mar. 10.
Loader, Casket. L T. Wahl. 2,276,127; Mar. 10.
Loading device for concrete mixers. G. K. Viall. 2,276,125; Mar. 10.
Lock: *See*—
Auto door lock.
Combination ignition switch lock.
End gate lock.
Locking device, Printing plate. W. F. Huck. 2,275,764; Mar. 10.
Locking mechanism for cabinet drawers and the like. E. R. Houston, J. F Dachlet, and J. L. Hauser. 2,276,197; Mar. 10.
Lockstitch and pattern to prevent thread runs. C. C. Bisch. 2,276,148; Mar. 10.
Locomotive journal lubricator. R. W. Miller. 2,275,453; Mar. 10.
Loom: *See*—
Circular loom.
Loom apparatus. A Purves. 2,275,468; Mar. 10.
Loudspeaker system. G. Bucky and P. Sarason. 2,275,610; Mar. 10.
Lubricating system. J. T. Marvin and E. S. Patch. 2,275,538; Mar. 10.
Lubrication. J. Bijur 2,275,414; Mar. 10.
Lubrication. J. Bijur. 2,276,145–6; Mar. 10.
Lubricator: *See*—
Locomotive journal lubricator.
Machine and method of meat forming. F. P. Maloney. 2,275,780; Mar. 10.
Machine for affixing slide fastener elements to tapes. M. Kiessling. 2,275,769; Mar. 10
Machine for making neckties. M. M. Newman. 2,275,457; Mar. 10.
Magnesium products from brines, Manufacture of. R. E. Clarke. 2,276,245; Mar. 10.
Magnesium, Treating. C. E Nelson. 2,276,239; Mar. 10.
Magnet structure. G. H. Howe. 2,275,904; Mar. 10.
Magnetic structure. R. G. Arey. 2,275,880; Mar. 10.
Magnetic structure. E. W. Boehne. 2,275,839; Mar. 10.
Maintenance tool. B. R. Hermann. 2,275,903; Mar. 10.
Manifold, Marine engine exhaust. E. Leipert. 2,275,634; Mar. 10.
Marker. L. Shuger and G. Rodli. 2,275,597; Mar. 10.
Marker, Base. W. W. Mouch. 2,275,547; Mar. 10.
Marker, Highway. B. K. Frank, H. M. Pryale, W. C. Smith, and W. A. Paxton. 2,275,518; Mar. 10.
Marking tool. F. W. Zipf. 2,275,670; Mar. 10.
Material, Acoustical. J. Mazer. 2,275,859; Mar. 10.
Material, Feeding and treating. J. E. Kennedy. 2,275,442; Mar. 10.
Material showering flight. G. D. Arnold. 2,275,600; Mar. 10.
Materials, Coating and laminating. F. Groff. 2,275,957; Mar. 10.
Matrices, Attached printing. F. G. Yanes. 2,275,579; Mar. 10.
Measuring apparatus for determining the depth of oil wells or the like. D. Scaramucci. 2,275,474; Mar. 10.
Mechanical movement. V. H. Van Sant. 2,276,003; Mar. 10.
Mechanism for matching and jointing lumber from stock of nonuniform dimension. F. A. Nicholson and W. T. Pritchard. 2,276,240; Mar. 10.
Medicinal preparation. E. L. Gustus. 2,275,623; Mar. 10.
Medicinal preparation. E. M. Shelton. 2,276,241; Mar. 10.
Metal coating process. H. N. Gilbert. 2,276,232; Mar. 10.
Metal founding. D. J. Campbell. 2,276,018; Mar. 10.
Metal, Making composite. T. B. Chace. 2,275,585; Mar. 10.
Metals, Metallurgy of ferrous. F. H. Clark and R. F. Dirkes. 2,275,420; Mar. 10.
Metals, Treating and coating. J. L. Schneler. 2,276,101; Mar. 10.
Meter for road building, Calculating. R. E. Burnham and G. V. Burnham. 2,276,153; Mar. 10.
Meter support for electric service equipment. C. J. Grieder. 2,275,753; Mar. 10.
Microfacsimile system. A. N. Goldsmith. 2,275,898; Mar. 10.
Mill: *See*—
Grinding mill.
Milling. Method of and machine for. C. E. Kraus. 2,275,443; Mar. 10.
Mineral concentrator. A. A. Johnston. 2,276,044; Mar. 10.
Mining machine, Chain cutting. T. E. Pray. 2,275,651; Mar. 10.
Mixer: *See*—
Steam and water mixer.
Mixing device, Household. W. F. Allenby. 2,275,878; Mar. 10.
Mixing and extruding machine, Combined. F. T. Buzard. 2,276,261; Mar. 10.
Moisture separating device. J. Doucette. 2,275,616; Mar. 10.
Mold. R. H. McCarroll and E. C. Jeter. 2,275,785; Mar. 10.
Mold flask and jacket. R. J. Mueller. 2,275,826; Mar. 10.
Molds, Making tire. A. W. Bull. 2,275,582; Mar. 10.
Molding method and insert for molded articles. J. H. Leonard. 2,275,591; Mar. 10.
Motor: *See*—
Electric motor.
External combustion motor.
Pump and electric motor.
Split-phase motor.
Motor unit, Electromagnetic. H. C. Harrison. 2,275,625; Mar. 10.
Motorized base for reciprocating at will the object holder of slicing machines, Auxiliary. F. Hirsch. 2,275,527; Mar. 10.
Motorized valve. G. I. Holmes. 2,276,195; Mar. 10.
Mounting: *See*—
Die set and template mounting.
Mullion, Removable. J. E. Casse. 2,275,730; Mar. 10.
Multispeed reversing coupling. H. H. Curry. 2,275,508; Mar. 10.
Necktie. E. E. Vecchi. 2,275,932; Mar. 10.
Necktie and necktie fastener. G. Rantz. 2,275,682; Mar. 10.
Necktie rack. J. R. Kissinger. 2,275,968; Mar. 10.
Nitrate from wood pulp, Preparation of cellulose. J. L. Patterson. 2,275,805; Mar. 10.
Nonoverfill device. R. H. Hill. 2,275,526; Mar. 10.
Novelty sign. S. F. Arbuckle. 2,275,934; Mar. 10.
Nut, Self-locking. J. H. Robertson. 2,275,993; Mar. 10.
Nutriment, Production of corrective. S. Maurer and H. O. Wiles. 2,275,784; Mar. 10.
Offset prevention. W. H. Wood. 2,275,578; Mar. 10.
Oil burner. W. B. Shepperd and L. L. Scott. 2,275,689; Mar. 10.
Oil, Deodorization and refining of tung. L. A. Gruenwald and M. J. Reider. 2,276,233; Mar. 10.
Oil-resin coating composition. W. R. Catlow, Jr. and H. F. Wakefield. 2,275,584; Mar. 10.
Oil, Stabilized mineral. P. G. Colin. 2,276,162; Mar. 10.
Oil well strain gauge. E. H. Lamberger and B. F. Langer. 2,275,532; Mar. 10.
Oils, Conversion of hydrocarbon. J. C. Morrell. 2,276,249; Mar. 10.
1-cyano-1, 3-butadiene, Making. A. S. Carter and F. W. Johnson. 2,276,156; Mar. 10.

1,4-naptho-quinine compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,275,741; Mar. 10.
1.3-butadiene, Production of. M. Mueller-Cunradi, A. Cantzler, and H. Krekeler. 2,276,023; Mar. 10.
Operating mechanism. P. M. Engel. 2,275,892; Mar. 10.
Operating mechanism for type bars of typewriters. G. Prezioso. 2,275,808; Mar. 10.
Ophthalmic device. R. Malcolm. 2,276,222; Mar. 10.
Outlet stack construction for building heat systems. H. Hasenburger and H. W. Corbett. 2,275,902; Mar. 10.
Oven heat control. T. A. Wetzel. 2,275,657; Mar. 10.
Overarm structure. M. E. Martellotti. 2,275,783; Mar. 10.
Packaging, Method and apparatus for. A. Wesselman. 2,276,129; Mar. 10.
Panel construction. H. E. Seull. 2,276,071; Mar. 10.
Panel, Electric. L. W. Cole and C. I. Smith. 2,276,226; Mar. 10.
Paper fastener. J. F. Thomas. 2,275,927; Mar. 10.
Paper jogging apparatus for printing presses. P. H. Schulz. 2,75,688; Mar. 10.
Paper, Making. G. T. Lane and W. Butterfield. 2,275,776; Mar. 10.
Paper, Waterproof and greaseproof. H. C. Fisher, J. F. Thompson, and W. E. Sooy. 2,276,244; Mar. 10.
Paste, Textile printing. D. H. Powers and S. N. Glarum. 2,275,991; Mar. 10.
Pea separating apparatus. F. Hamachek, Jr. 2,275,959; 10.
Perforating method and apparatus. V. H. Bodle. 2,275,603; Mar. 10.
Perforating method and apparatus. F. J. Chandler. 2,275,612; Mar. 10.
Perforator, Gun type casing. C. C. Cole. 2,276,161; Mar. 10.
Phenylphenols, Substituted. F. L. Taylor and J. E. Livak. 2,276,116; Mar. 10.
Phenols, Substituted. F. L. Taylor and J. E. Livak. 2,276,117; Mar. 10.
Phonograph drive. F. D. Banning. 2,275,404; Mar. 10.
Photo viewer and projector. C. Rauch. 2,275,863; Mar. 10.
Photocell. Z.-I. Kamayachi and K. Ishii. 2,276,198; Mar. 10.
Photographic copying apparatus. A. E. Schubert. 2,275,687; Mar. 10.
Photographic darkroom lamp. T. G. Clement. 2,275,734; Mar. 10.
Photographic element having a laminated film support. J. E. Brandenberger. 2,276,151; Mar. 10.
Photographic stripfilm and stripfilm paper. H. H. Duerr and F. W. H. Mueller. 2,275,617; Mar. 10.
Photography, Color. K. Schinzel. 2,276,254; Mar. 10.
Picker. L. J. Carter. 2,275,728; Mar. 10.
Picker stick coupling. J. H. Chadbourne and C. A. Burdick. 2,275,611; Mar. 10.
Pigment and preparing the same, White. E. Lederle and R. Brill. 2,275,856; Mar. 10.
Pigment, Iron blue. P. A. Thomasset. 2,275,929; Mar. 10.
Pigment, Phthalocyanine. M. H. Fleysher and J. Ogilvie. 2,276,175; Mar. 10.
Pile resistor. W. H. Smith. 2,276,069; Mar. 10.
Pilot-channel protective relaying system. M. A. Bostwick. 2,275,941; Mar. 10.
Pilot wire supervision. M. A. Bostwick and B. V. Hoard. 2,276,150; Mar. 10.
Pin: *See*—
Self-locking safety pin.
Pins to bar, Connecting. J. W. Leighton. 2,276,050; Mar. 10.
Pipe: *See*—
Threadless drill pipe.
Pipe cleaning device. A. E. Wright. 2,275,668; Mar. 10.
Pipe line cleaner. S. S. Smith. 2,276,109; Mar. 10.
Plastic molding material. E. M. Bright. 2,275,499; Mar. 10.
Plate forming machine. J. L. Blackley. 2,276,012; Mar. 10.
Platform for the unloading of trucks and other vehicles, Tilting. M. Castilla y Ruiz, Havana, Cuba. 2,275,945; Mar. 10.
Plug: *See*—
Electric cord plug.
Pneumatic thickness gauge. C. R. Hanna, and S. J. Mikina. 2,276,036; Mar. 10.
Pneumatic valve. O. W. Hosking. 2,275,820; Mar. 10.
Pocketknife. A. J. Davidson, Jr. 2,276,026; Mar. 10.
Polish. L. W. Shuger. 2,275,596; Mar. 10.
Polythioamides from thiolactams, Preparation of. N. L. Cox, and W. E. Hanford. 2,276,164; Mar. 10.
Portable light. R. H. Hummert and C. W. Nixon. 2,275,765; Mar. 10.
Portable oil heater. D. H. Robbins. 2,276,093; Mar. 10.
Pouring tube. J. E. Thomas. 2,275,702; Mar. 10.
Powder refining, Wax. H. F. Johnson, Jr., J. V. Steinle and R. P. Gardiner. 2,275,630; Mar. 10.
Power bender. S. R. Enberg, R. H. Walsh and L. C. Scheuring. 2,275,619; Mar. 10.
Preselecting and tuning apparatus, Automatic. D. C. Porter and F. W. Sloan. 2,275,650; Mar. 10.
Press. C. G. Muench. 2,275,982; Mar. 10.
Priming system for centrifugal pumps. F. S. Broadhurst. 2,275,500-1-2; Mar. 10.
Printing machine. C. J. Hueber. 2,275,439; Mar. 10.
Printing mechanism. F. Q. Rast. 2,275,653; Mar. 10.
Printing plates, Making. G. de Verry. 2,275,422; Mar. 10.
Products obtained by reacting saturated hydrocarbons with sulphur dioxide and chlorine, Hydrolysis of. C. F. Reed. 2,276,090; Mar. 10.
Progressive slide separator. H. J. Hood. 2,275,819; Mar. 10.
Propeller, Composite. F. W. Caldwell and E. Martin. 2,276,262; Mar. 10.
Propelling mechanism for the airplanes and the like. A. B. Perron. 2,275,645; Mar. 10.
Pull-type tube-expanding tool. E. A. Dewald. 2,275,614; Mar. 10.
Pulley construction. R. E. Getchell. 2,276,186; Mar. 10.
Pulley, Variable speed. W. W. Hallinan. 2,275,429; Mar. 10.
Pulverizer. S. T. Schwartz. 2,275,595; Mar. 10.
Pump: *See*—
Gear pump.
Pump. V. G. Klein. 2,276,207; Mar. 10.
Pump. R. K. Williams. 2,276,133; Mar. 10.
Pump and electric motor, Submersible. T. G. Myers and F. Mason. 2,275,679; Mar. 10.
Pump impeller. O. Jacobsen. 2,276,077; Mar. 10.
Pumping system. M. W. Hartmann. 2,275,627; Mar. 10.
Punch, Explosively actuated. R. Temple, Jr. 2,276,259; Mar. 10.
Punch for nonmetallic washers, Combination. C. L. Halmrast. 2,275,525; Mar. 10.
Punching and verifying machine, Combined. O. L. Cleven. 2,275,421; Mar. 10.
Rack: *See*—
Necktie rack.
Shoe rack.
Radiant energy lamp. J. H. Eastman. 2,275,745; Mar. 10.
Radio compass. A. H. Lamb. 2,276,235; Mar. 10.
Radio rebroadcasting system. E. H. Armstrong. 2,276,008; Mar. 10.
Radio set, Portable. H. Tull. 2,276,122; Mar. 10.
Raisin cleaning apparatus. L. Kilner. 2,275,770; Mar. 10.
Rate of climb indicator. J. E. Bevins. 2,275,719; Mar. 10.
Razor, Safety. H. C. Fay. 2,275,517; Mar. 10.
Reaction product. H. Bennett. 2,275,494; Mar. 10.
Reclining chair. G. Kelly. 2,275,908; Mar. 10.
Record holder. B. A. Whitney. 2,275,664; Mar. 10.
Reflector, Autocollimating. G. A. Kirkpatrick. 2,275,824; Mar. 10.
Refolding device. A. A. Johnson. 2,275,822; Mar. 10.
Refrigerating apparatus. R. H. Tull. 2,275,829; Mar. 10.
Refrigeration. W. A. Kuenzli. 2,275,677; Mar. 10.
Refrigerator cabinet construction. C. R. Ford. 2,275,482; Mar. 10.
Refrigerator car construction. E. R. Swanson. 2,275,699; Mar. 10.
Register, Punching. J. Q. Sherman and A. A. Gopperton. 2,275,476; Mar. 10.
Regulation, Automatic. C. M. Dennis. 2,275,844; Mar. 10.
Regulator: *See*—
Voltage regulator.
Regulator for fuel systems, Pressure. D. Samiran. 2,275,472; Mar. 10.
Relay. E. Lakatos. 2,275,531; Mar. 10.
Relay, Pressure actuated. L. R. Runaldue. 2,275,866; Mar. 10.
Relaying system, Pilot-channel protective. S. L. Goldsborough. 2,276,033; Mar. 10.
Relaying system, Pilot-channel protective. B. E. Lenehan. 2,275,971; Mar. 10.
Release clip. A. R. Seaton. 2,275,869; Mar. 10.
Removable bottom furnace. E. A. Smith. 2,275,926; Mar. 10.
Reproductions of design elements, Creating a marginally reduced. O. R. Huggins. 2,275,589; Mar. 10.
Resin and making same, Oil soluble phenolic. I. Rosenblum. 2,275,865; Mar. 10.
Resins, Production of alkyd. H. J. West. 2,276,243; Mar. 10.
Resinous products, Producing. E. R. Perry. 2,275,989; Mar. 10.
Resistance device. C. L. Eastburg. 2,276,230; Mar. 10.
Retriever tool. F. L. LeBus. 2,275,911; Mar. 10.
Roll, Bowed expander. C. W. Shute. 2,276,242; Mar. 10.
Rolling machine, Multiple. J. J. Ingels. 2,275,629; Mar. 10.
Rope construction, Wire. E. V. Jacobson. 2,276,042; Mar. 10.
Rubber chlorination. J. W. Raynolds and G. A. Webb. 2,275,469; Mar. 10.
Rubber, Reclaiming. W. G. Kirby. 2,276,248; Mar. 10.
Rubber, Treatment of. E. H. Farmer. 2,275,951; Mar. 10.

Safety device for stamping presses and the like. E. Sandel. 2,276,064; Mar. 10.
Safety device, Soft work bunch machine. J. P. Durning. 2,275,423; Mar. 10.
Safety signal. H. A. Ybanez. 2,275,711; Mar. 10.
Safetypin. S. Nitchman. 2,275,984; Mar. 10.
Salts, Preparation of scale. H. V. Farr and J. R. Ruhoff. 2,276,172; Mar. 10.
Sanding relay. L. I. Pickert. 2,275,647; Mar. 10.
Sash adjuster or the like, Casement. B. B. Bartholomew. 2,275,580; Mar. 10.
Sash construction, Window. S. Rosenblatt. 2,275,559; Mar. 10.
Scales, Calibrating. W. J. Means and T. Slonczewski. 2,275,977; Mar. 10.
Scraper, Casing. R. C. Baker. 2,275,939; Mar. 10.
Scraper, Windshield. J. E. Ahlborg. 2,275,713; Mar. 10.
Screen and ventilator, Combined. S. K. Prentice. 2,276,063; Mar. 10.
Seal, Bearing. E. R. Carter. 2,276,225; Mar. 10.
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Seal, Bearing. R. R. Searles. 2,275,996; Mar. 10.
Seal, Furnace. H. R. Pursel. 2,275,652; Mar. 10.
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Sealing device. T. G. Myers. 2,275,680; Mar. 10.
Sealing means. J. Hirshstein. 2,275,628; Mar. 10.
Searchlight installation. T. J. J. A. Manders. 2,276,223; Mar. 10.
Securing device for thermostats. C. W. Bondurant. 2,275,605; Mar. 10.
Seed, Treating. F. D. Jones. 2,276,234; Mar. 10.
Seismic wave velocity well logging. R. T. Cloud. 2,275,736; Mar. 10.
Self-locking safety pin. L. Hochreiner. 2,276,194; Mar. 10.
Separating machine. J. Q. Sherman. 2,275,475; Mar. 10.
Separator: *See*—
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Setting over mechanism. J. P. Mingle. 2,275,978; Mar. 10.
Sewing machine. G. A. Fleckenstein. 2,276,246; Mar. 10.
Sewing machine signal system. R. H. Windham. 2,276,134; Mar. 10.
Sewing machine with curved needle and direct operating mechanism, Chain-stitch. J. V. Poole. 2,276,088; Mar. 10.
Shackle structure. J. W. Leighton. 2,276,049; Mar. 10.
Shafts, Ensuring unidirectional rotation of. A. G. Hackett and J. L. Edwards. 2,276,191; Mar. 10.
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Sheet-pile interlocking device. H. H. Sturdy. 2,275,662; Mar. 10.
Sheeting, Casting plastic. G. B. Bachman and C. N. Behrndt. 2,275,716; Mar. 10.
Shield, Protective. W. Medoff. 2,275,787; Mar. 10.
Shipping container. A. A. Hoffmann. 2,275,761; Mar. 10.
Shipping means for lawn mowers. D. S. Langell. 2,276,213; Mar. 10.
Shoe. E. A. Bickford. 2,275,407; Mar. 10.
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Shutter blade construction, Sliding. H. D. Philips. 2,275,807; Mar. 10.
Shutter, blind, and ventilating device, Combination. J. C. Flugger. 2,267,177; Mar. 10.
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Sign light. D. G. Saaf. 2,275,560; Mar. 10.
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Slat feeding apparatus. W. H. Wilcox. 2,275,709; Mar. 10.
Slat, Venetian blind. E. B. McGlone. 2,275,975; Mar. 10.
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Solids, Loading pasty. W. O. Snelling. 2,275,569; Mar. 10.
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Sound producer. I. W. Cox. 2,276,022; Mar. 10.
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Stop motion for looms. K. Vasilopoulos. 2,275,931; Mar. 10.
Stopper for receptacles, Dispensing. C. Bramming. 2,275,607; Mar. 10.
Store front construction. E. J. Schonberg. 2,275,686; Mar. 10.
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Telephone system. G. Hecht and A. A. Lundstrom. 2,276,037; Mar. 10.
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Teletypewriter equipment. L. A. O'Brien and E. M. Smith. 2,275,798; Mar. 10.
Temperature control system. J. T. Mldyette, Jr. 2,276,058; Mar. 10.
Temperature controlling system and apparatus. L. E. Topham. 2,275,928; Mar. 10.
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Terpene-cyanoacyl compounds and producing same. J. N. Borglin. 2,275,606; Mar. 10.
Textiles and other shaped articles made of cellulose derivatives, Treatment of. H. Dreyfus. 2,275,513; Mar. 10.

Theobromine, Extraction of. C. A. Balmert, R. D. Drinkard, and G. N. Harcourt. 2,275,835; Mar. 10.
Thermal demand attachment for meters. W. D. Hall. 2,275,899; Mar. 10.
Thermometer. H. A. Tebben. 2,276,001; Mar. 10.
Thermometer and support therefor. G. E. Ford. 2,276,179; Mar. 10.
Thermometer, Meat. G. E. Ford. 2,276,178; Mar. 10.
Thermostatic control mechanism. C. W. Bondurant. 2,276,014; Mar. 10.
Thermostatic control valve. W. M. Dillon. 2,275,742; Mar. 10.
Thioamides, Linear polymeric secondary. D. D. Coffman and L. Gilman. 2,276,160; Mar. 10.
Threadless drill pipe. A. Boynton. 2,275,418; Mar. 10.
Tire chain. G. M. Ruhkala. 2,275,994; Mar. 10.
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Glass replacement tool.
Grinding tool.
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Pull-type tube-expanding tool.
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Tool for slitting the sheaths of encased wires. O. M. Rybolt. 2,275,867; Mar. 10.
Tooth brush retainer. B. and J. Oshman. 2,275,549; Mar. 10.
Torch, Under water. A. Barna. 2,275,491; Mar. 10.
Trackway apparatus for automatic train control. R. R Kemmerer. 2,275,909; Mar. 10.
Trailer, Self-unloading. E. Oklejas. 2,275,799; Mar. 10.
Transformer, Adjustable reactance. J. B. Gibbs. 2,276,032; Mar. 10.
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Transmission, Automotive. I. B. Horowitz. 2,276,258; Mar. 10.
Transmission, Automotive. E. M. Shelton. 2,276,241; Mar. 10.
Transmission device, Continuously variable. H. W. Broady. 2,275,725; Mar. 10.
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Tray, Ice. H. D. Geyer. 2,275,522; Mar. 10.
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Tree transplanting device. A. L. Pearson. 2,275,552; Mar. 10.
Tri(hydroxy methyl) acetaldehyde and making it. W. Fitzky. 2,275,586; Mar. 10.
Tripod, Camera. H. F. Dubas. 2,275,743; Mar. 10.
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Tube and tube-seat connections, Producing pressure tight. C. A. Maxwell. 2,275,451; Mar. 10.
Tube filaments, Rapid heating of electron-discharge. L. E. Barton. 2,275,581; Mar. 10.
Tubes, Manufacture of. C. A. Orr and E. W. Riemenschneider. 2,275,801; Mar. 10.
Turbine arrangement, Elastic fluid. S. O. Huntington. 2,275,906; Mar. 10.
Turbine, Constant pressure gas. A. Meyer. 2,275,543; Mar. 10.
Turbine, Elastic fluid. D. F. Warner. 2,275,830; Mar. 10.
Typewriting machine. W. F. Helmond. 2,275,759; Mar. 10.
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Typewriting machine. R. Padin. 2,275,803; Mar. 10.
Typewriting machine. W. T. Sagner. 2,275,684; Mar. 10.
Underliner for floor coverings. W. S. Vrooman. 2,275,575; Mar. 10.
Uppers over lasts, Shaping. J. W. Ashley. 2,275,487; Mar. 10.
Vacuum tube. A. W. Barber. 2,275,490; Mar. 10.
Vacuum tube oscillator, Stabilized. L. A. Meacham. 2,275,452; Mar. 10.
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Valve bag. H. H. Crawford and M. Rouse. 2,275,505; Mar. 10.
Valve converting apparatus, Electric. C. H. Willis and M. A. Edwards. 2,275,877; Mar. 10.
Valve for power transmission. K. R. Herman and K. Seidel. 2,275,963; Mar. 10.
Valve for wells, Bellows type slugging foot. A. Boynton. 2,275,416; Mar. 10.
Valves, Making. H. F. Howard and W. R. Flint. 2,275,763; Mar. 10.
Vehicle heater. L. E. Gatlen. 2,275,622; Mar. 10.
Vehicle signal. M. Shaunessey. 2,276,104; Mar. 10.
Vending machine. L. Prins. 2,275,985; Mar. 10.
Veneer structures, Forming. E. L. Vidal and L. J. Marhoefer. 2,276,004; Mar. 10.
Venom extractor. P. W. Saunders. 2,276,098; Mar. 10.
Ventilator. S. F. Shawhan and C. E. Nicolet. 2,275,564; Mar. 10.
Vessel resistant to caustic cracking, Steam pressure. N. B. Pilling and F. G. Straub. 2,275,464; Mar. 10.
Volt-ampere indicator. L. Michaelis and D. M. Davis. 2,275,860; Mar. 10.
Washing machine. L. J. Strauss and R. E. Rousseau. 2,275,698; Mar. 10.
Washing method. J. E. W. Birr. 2,276,147; Mar. 10.
Washing machine. G. W. Dunham. 2,275,846–7; Mar. 10.
Water conditioning device, Aquarium. J. F. Haldeman. 2,275,428; Mar. 10.
Water distribution device, Multipurpose. L. A. Genetti and A. A. Drumm. 2,275,750; Mar. 10.
Water treatment plant. W. R. Gibson. 2,275,954; Mar. 10.
Watercraft. R. N. Coolidge. 2,276,163; Mar. 10.
Wax coating, Water removable. J. V. Steinle and A. E. Hudner. 2,275,659; Mar. 10.
Wax extraction. J. V. Steinle and E. S. McLoud. 2,275,661; Mar. 10.
Wax, Vegetable. J. V. Steinle and E. S. McLoud 2,275,660; Mar. 10.
Weatherstrip. J. A. Goellner. 2,275,955; Mar. 10.
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Welded ball panel fastener. R. W. Hall. 2,275,900; Mar. 10.
Welding. O. R. Carpenter. 2,275,419; Mar. 10.
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Well cementing apparatus. D. Scaramucci. 2,275,473; Mar. 10.
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Well packer apparatus. R. C. Baker. 2,275,935; Mar. 10.
Well servicing and drilling machine. H. W. Cardwell. 2,276,224; Mar. 10.
Well survey method and apparatus. R. E. Fearon. 2,275,747–S; Mar. 10.
Wells, Cementing. H. B. Robbins. 2,275,655; Mar. 10.
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Window assembly. W. D. Bayley. 2,275,943; Mar. 10.
Wood finishing. W. W. Partee. 2,276,253; Mar. 10.
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Wringer, Mop. A. Palmer. 2,275,461; Mar. 10.
Yarn carrier. E. A. Feustel. 2,275,848; Mar. 10.
Yarn, Manufacturing hairy. H. B. Kline. 2,276,208; Mar. 10.

CLASSIFICATION OF PATENTS

ISSUED MARCH 10, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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2,275,686	43— 28: 2,275,869	62: 2,275,801	105— 80: 2,276,250	2,275,527	119: 2,275,699
56.5: 2,276,112	90: 2,275,636	81— 56: 2,275,633	106— 9: 2,275,596	192: 2,275,516	2,276,032
21— 4: 2,275,593	96: 2,275,737	82— 31: 2,275,723	181: 2,275,716	150— 2: 2,276,087	2,276,051
85: 2,275,672	44— 1: 2,276,220	83— 9: 2,275,992	213: 2,275,845	38: 2,275,690	314: 2,275,837
22— 38: 2,275,806	9: 2,276,158	45: 2,275,595	218: 2,275,558	151— 25: 2,275,993	324: 2,275,613
65: 2,275,503	45— 94: 2,276,197	53: 2,275,649	222: 2,275,583	152— 219: 2,275,994	2,276,066
79: 2,275,702	138: 2,275,553	85— 36: Re.22,049	275: 2,275,499	237: 2,275,834	172— 36: 2,275,827
92: 2,275,731	2,275,900	2,275,773	300: 2,275,856	429: 2,275,820	126: 2,275,625
112: 2,275,826	47— 58: 2,276,234	86— 20: 2,275,509	304: 2,275,929	153— 1: 2,275,769	2,276,022
188: 2,275,785	48— 22: 2,275,990	23: 2,275,855	107— 12: 2,275,714	2: 2,275,629	179: 2,275,557
193: 2,276,018	49— 92: 2,276,218	88— 16: 2,275,519	110— 98: 2,276,025	2,276,052	239: 2,275,508
203: 2,275,504	51— 9: 2,275,434	2,275,644	165: 2,275,492	40: 2,275,619	2,276,096
23— 1: 2,276,120	2,275,479	24: 2,275,687	2,275,652	46: 2,276,012	279: 2,276,057
50: 2,276,041	45: 2,276,260	28: 2,275,863	112— 35: 2,276,088	80.5: 2,275,614	293: 2,276,095
92: 2,275,465	84: 2,276,059	41: 2,275,999	57: 2,275,667	154— 2: 2,275,989	173— 260: 2,275,800
121: 2,275 825	94: 2,275,483	47: 2,276,102	152: 2,275,457	2,276,035	2,276,140
2,276,079	123: 2,275,804	57: 2,275,602	220: 2,276,246	16: 2,275,440	328: 2,275,484
162: 2,276,229	185: 2,275,766	74: 2,275,905	113— 40: 2,275,681	19: 2,275,658	2,275,762
185: 2,275,792	219: 2,275,496	82: 2,275,518	50: 2,275,561	27: 2,275,811	334.1: 2,275,533
201: 2,276,245	241: 2,275,757	114: 2,276,204	97: 2,275,415	28: 2,275,812	361: 2,276,017
288: 2,275,920	53— 3: 2,275,746	89— 43: 2,275,632	112: 2,276,190	2,275,816	174— 20: 2,276,084
24— 87: 2,275,683	57— 100: 2,275,570	90— 18: 2,275,443	115— 11: 2,275,618	33.05: 2,276,083	175— 21: 2,275,880
156: 2,275,984	146: 2,276,042	20.5: 2,275,783	14: 2,276,193	44: 2,275,859	2,275,967
161: 2,276,194	58— 43: 2,275,604	91— 13: 2,276,253	35: 2,276,163	48: 2,275,425	30: 2,276,054
205: 2,275,454	60— 29: 2,275,634	45: 2,275,437	116— 67: 2,275,711	49: 2,275,575	115: 2,275,861
25— 14: 2,276,261	44: 2,275,756	46: 2,275,793	124.1: 2,275,463	155— 14: 2,275,656	183: 2,275,696
30: 2,275,535	54.6: 2,275,700	68: 2,276,244	119— 45: 2,275,914	106: 2,275,908	2,275,977
41: 2,275,678	2,275,722	70: 2,275,814	56: 2,275,887	2,276,053	2,276,011
131: 2,275,738	2,276,009	2,275,952	109: 2,275,701	156— 13: 2,276,209	223: 2,275,754
26— 63: 2,276,242	61— 63: 2,275,662	70.2: 2,276,232	121— 37: 2,275,640	17: 2,275,975	224: 2,275,753
28— 62: 2,276,124	62— 5: 2,275,677	70.3: 2,276,101	122— 4: 2,275,464	44: 2,275,744	294: 2,275,882

175—	294:	2,275,941	195—	20:	2,275,836	204—	163:	2,276,166	235—	61.7:	2,275,590
		2,275,971		38:	2,275,639	205—	16:	2,275,794		114:	2,276,062
		2,276,033	196—	10:	2,276,103	206—	41:	2,275,761	236—	12:	2,275,742
		2,276,068			2,276,171		41.2:	2,275,965		15:	2,275,833
	296:	2,276,039			2,276,189		44:	2,275,542		46:	2,275,928
	308:	2,276,226			2,276,199		46:	2,276,128		81:	2,275,014
	363:	2,275,877			2,276,250			2,276,213		86:	2,275,844
		2,275,881			2,276,251		47:	2,275,567		91:	2,275,427
	367:	2,275,839		48:	2,276,249		59:	2,275,458			2,276,058
		2,275,904		50:	2,275,441	209—	44:	2,276,044	237—	78:	2,276,135
176—	1:	2,275,768		52:	2,276,081		135:	2,275,770	240—	1.2:	2,276,223
	7:	2,276,048		74:	2,276,155		284:	2,276,126		2:	2,275,562
	16:	2,275,674	197—	6.7:	2,275,670		358:	2,275,959		2.1:	2,275,621
	122:	2,275,739		31:	2,275,808		401:	2,275,724		11.3:	2,275,987
177—	311:	2,275,675		74:	2,275,759		406:	2,275,849		20:	2,275,734
		2,275,883		102:	2,275,684	210—	8.5:	2,276,210		59:	2,275,765
		2,276,150		126:	2,275,782		12:	2,275,954		103:	2,275,560
	329:	2,275,539		177:	2,275,671		16:	2,275,428	242—	1:	2,275,995
		2,276,104			2,276,115		75:	2,275,847		53:	2,275,544
	339:	2,275,695		179:	2,275,803		131:	2,275,481		55:	2,275,497
	355:	2,275,949	198—	14:	2,276,238			2,275,750			2,275,498
	360:	2,275,981		33:	2,275,709		167:	2,275,958			2,275,858
	384:	2,275,797		201:	2,276,099		183:	2,276,118		55.2:	2,275,787
178—	5.8:	2,275,540		209:	2,275,978	211—	2:	2,276,211			2,275,798
	6.7:	2,275,898		219:	2,275,433		13:	2,275,968		55.5:	2,275,408
	17.5:	2,275,436	200—	5:	2,276,219		37:	2,276,141		85:	2,275,693
	26:	2,276,263		16:	2,275,495		40:	2,275,664		138:	2,275,545
	40:	2,275,641		27:	2,276,180		120:	2,275,749	244—	43:	2,275,777
	44:	2,275,587		33:	2,275,918		126:	2,276,121		83:	2,275,692
		2,276,013		43:	2,275,781	212—	71:	2,276,182		122:	2,275,450
	52:	2,275,974		48:	2,276,257	213—	9:	2,276,167		125:	2,275,771
	66:	2,275,940		50:	2,276,006		38:	2,276,168	246—	38:	2,275,838
179—	1:	2,275,406		52:	2,275,708	214—	3:	2,275,552		63:	2,275,909
		2,275,530		59:	2,275,488		49:	2,275,945	248—	122:	2,275,870
	2.5:	2,276,132			2,275,796		83:	2,275,799		188:	2,275,743
	18:	2,276,037			2,276,028		95:	2,276,127		267:	2,275,907
		2,276,038		67:	2,275,642	219—	3:	2,275,763		358:	2,275,966
	27:	2,275,459		80:	2,276,043		6:	2,276,106	250—	6:	2,275,610
	40:	2,275,405		81:	2,276,100		8:	2,276,060		9:	2,276,154
	90:	2,275,448		83:	2,275,556		10:	2,275,419		11:	2,275,646
	100.2:	2,275,961			2,275,866			2,275,910			2,275,673
		2,276,200		87:	2,275,891			2,276,010			2,276,149
	100.3:	2,275,537			2,275,924		19:	2,276,005			2,276,235
	115.5:	2,275,598		93:	2,275,831		25	Re.22,048		13:	2,276,122
	171.5:	2,276,247		112:	2,275,554		32:	2,275,922		14:	2,275,506
181—	0.5:	2,275,735		114:	2,275,831			2,276,215			2,275,807
		2,275,736		117:	2,276,183		39:	2,276,144		15:	2,275,486
183—	112:	2,275,616		122:	2,275,917		43:	2,275,901			2,276,008
184—	6:	2,275,895		123:	2,275,403			2,276,216		17:	2,275,970
	7:	2,275,414			2,276,184	220—	15:	2,275,482		27:	2,275,581
		2,276,145		124:	2,276,085		24:	2,276,205			2,275,930
		2,276,146		138:	2,275,795		46:	2,276,426			2,275,948
185—	39:	2,275,645		139:	2,275,893	221—	13:	2,275,842		27.5:	2,275,490
187—	54:	2,275,643		143:	2,275,873		47.1:	2,276,207			2,275,852
188—	1:	2,275,573		148:	2,275,872		76:	2,275,607			2,275,864
	30:	2,276,191			2,275,885		85:	2,275,972			2,275,886
	46:	2,275,916		152:	2,275,853	225—	37:	2,275,703			2,276,046
	62:	2,275,888		153:	2,275,510	226—	19:	2,275,915		33:	2,275,626
	69:	2,275,892			2,275,890		36:	2,275,917		36:	2,275,452
	79.5:	2,276,206		166:	2,276,130	227—	49:	2,275,983			2,275,480
	152:	2,275,697		172:	2,275,789	229—	4.5:	2,275,449		40:	2,275,650
	212:	2,276,065	201—	51:	2,276,069		51:	2,275,896		52:	2,275,788
189—	36:	2,275,943		74:	2,275,840		58:	2,275,485		58:	2,276,137
	37:	2,276,040	202—	42:	2,275,802		62.5:	2,275,505		66:	2,275,857
192—	3.5:	2,276,258		61:	2,276,089		82:	2,275,767		83.6:	2,275,456
	82:	2,275,758		160:	2,275,648		87.2:	2,275,424			2,275,747
194—	63:	2,275,985	204—	6:	2,275,582	230—	207:	2,275,774			2,275,748

250—	86:	2,275,745	260—	635:	2,276,192						
251—	126:	2,275,786		643:	2,276,142						
252—	50:	2,276,102		648:	2,276,203						
	52:	2,275,447		680:	2,276,023						
253—	39:	2,275,906		720:	2,276,248						
	78:	2,275,830		763:	2,276,070						
254—	172:	2,275,953		768:	2,275,951						
255—	1:	2,275,813		772:	2,275,469						
	1.8:	2,276,075	261—	10:	2,276,073						
	7:	2,276,224		36:	2,275,879						
	22:	2,276,016	262—	1:	2,275,912						
	61:	2,275,832		28:	2,275,651						
257—	137:	2,275,622	263—	19:	2,275,543						
	208:	2,275,705		40:	2,275,926						
259—	1:	2,275,878	265—	1:	2,275,532						
	3:	2,275,600		20:	2,275,568						
	54:	2,275,823	267—	9:	2,276,228						
	165:	2,276,237		11:	2,275,637						
	167:	2,276,125		65:	2,275,462						
260—	2:	2,276,160	270—	61:	2,275,822						
		2,276,164		81:	2,275,964						
	8:	2,275,991	271—	2.1:	2,275,475						
	22:	2,275,843		89:	2,275,688						
		2,276,243	273—	25:	2,275,547						
	23:	2,275,584	277—	20:	2,275,963						
		2,276,176	279—	116:	2,275,828						
	25:	2,275,865	280—	11.35:	2,275,913						
	69:	2,275,821			2,276,252						
	75:	2,275,620		87:	2,276,159						
	78:	2,275,685	281—	21:	2,275,927						
		2,276,030	284—	14:	2,275,477						
		2,276,231	285—	24.5:	2,275,841						
	80:	2,276,094		37:	2,275,628						
	84:	2,276,138		97.1:	2,276,221						
	97:	2,275,986		106:	2,275,520						
	143:	2,276,202		146:	2,275,418						
	148:	Re.22,046		201:	2,275,572						
	152:	2,275,923	286—	5:	2,275,996						
	166:	2,276,169			2,276,225						
	199:	2,276,174		8:	2,275,680						
	203:	2,276,187	287—	20:	2,275,605						
	210:	2,275,969		20.3:	2,276,049						
	223:	2,275,805		99:	2,276,256						
	256:	2,275,835	291—	3:	2,275,647						
	314:	2,276,175	292—	150:	2,276,019						
	345:	2,275,741		247:	2,275,551						
	397.4:	2,275,790		281:	2,275,760						
	410:	2,275,494		306:	2,275,740						
	420:	2,276,233	294—	5:	2,275,536						
	428:	2,275,630		19:	2,275,903						
		2,275,660		67:	2,275,704						
		2,275,661		102:	2,275,911						
	454:	2,275,606	296—	1:	2,276,020						
	458:	2,275,413	299—	24:	2,276,217						
	464:	2,276,156		40:	2,275,594						
	475:	2,275,467		59:	2,276,134						
	486:	2,275,466		88:	2,275,666						
	501:	2,275,809		140:	2,275,691						
	513:	2,276,090	301—	5:	2,275,897						
	541:	2,275,862	308—	78:	2,275,538						
	543:	2,276,097		88:	2,275,453						
	573:	2,275,470	309—	33:	2,276,027						
	584:	2,276,149	312—	63:	2,275,819						
	586:	2,275,752		112.5:	2,275,549						
	602:	2,275,586									
	619:	2,276,117									
	620:	2,276,116									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,275,424:	229—87.2	2,275,558:	106—218	2,275,662:	61— 63	2,275,854:	34— 58	2,275,991:	260— 8	2,276,123:	20—52.4
2,275,426:	220— 46	2,275,571:	93—39.1	2,275,663:	242— 85	2,275,855:	86— 23	2,275,998:	158—115	2,276,125:	259—167
2,275,428:	210—16	2,275,578:	101—422	2,275,682:	2—145	2,275,864:	250—27.5	2,276,009:	60—54.6	2,276,128:	206— 46
2,275,447:	252— 52	2,275,588:	34—203	2,275,709:	198— 33	2,275,889:	77— 55	2,276,015:	158—115	2,276,138:	260— 84
2,275,463:	116—124.1	2,275,609:	73— 54	2,275,733:	30—273	2,275,902:	138— 63	2,276,049:	287—20.3	2,276,210:	210— 8.5
2,275,471:	158—36.4	2,275,630:	260—428	2,275,735:	181— 0.5	2,275,918:	200— 33	2,276,061:	30—211	2,276,211:	211 —2
2,275,472:	158—36.3	2,275,646:	250— 11	2,275,749:	211—120	2,275,955:	20—52.4	2,276,075:	255— 1.8	2,276,212:	73—321
2,275,489:	129— 16	2,275,653:	101—306	2,275,751:	2—302	2,275,956:	35— 8	2,276,086:	40— 23	2,276,220:	44— 1
2,275,514:	101—363	2,275,660:	260—428	2,275,754:	175—223	2,275,957:	41— 33	2,276,098:	128—300	2,276,236:	5— 8
2,275,517:	30— 72	2,275,661:	260—428	2,275,819:	312— 63	2,275,977:	175—183	2,276,106:	219— 6	2,276,237:	259—165

U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air Reduction Sales Company, New York, N. Y. High-voltage indicators. Serial No. 449,532; Mar. 17. Class 21.

Air Reduction Sales Company, New York, N. Y. Rare gases. Serial No. 450,527; Mar. 17. Class 6.

Arden Farms Co., Los Angeles, Calif. Dairy products. Serial No. 443,679; Mar. 17. Class 46.

Armstrong Cork Company, Lancaster, Pa. Fibrous acoustical insulating material. Serial No. 449,880; Mar. 17. Class 12.

Bassick Company, The, Bridgeport, Conn. Furniture caster wheels. Serial No. 449,115; Mar. 17. Class 13.

Baum, Abby B., Seattle, Wash. Infants' overall sacks. Serial No. 447,088; Mar. 17. Class 39.

Bendel, Henri, Inc., New York, N. Y. Coats, shoes, fur coats, etc. Serial No. 446,225; Mar. 17. Class 39.

Bentley, Fred, Lansing, Mich. Badminton set. Serial No. 445,570; Mar. 17. Class 22.

Bernstein, Chas., & Son, Inc., New York, N. Y. Textile fabrics. Serial No. 449,116; Mar. 17. Class 42.

Bixby, Ralph, St. Louis, Mo. Canned goods or canned foods. Serial No. 440,616; Mar. 17. Class 46.

Block Coal and Coke Company, Inc., Knoxville, Tenn. Coal. Serial No. 448,277; Mar. 17. Class 1.

Borden Company, The, New York, N. Y. Label glue. Serial No. 450,174; Mar. 17. Class 5.

Bubbobath Company, The, Minneapolis, Minn. Chemical water softener and foaming agent. Serial No. 429,549; Mar. 17. Class 6.

Bux, J. R., & Son, Philadelphia, Pa. Ribbons woven of silk and cotton and rayon and cotton in the piece. Serial No. 442,860; Mar. 17. Class 42.

Byer-Rolnick Company, Garland, Tex. Men's hats. Serial No. 449,515; Mar. 17. Class 39.

C-Lite Chemical Products. (See Hoover, Claude H.)

California Milling Corporation, Los Angeles, Calif. Flour. Serial No. 449,637; Mar. 17. Class 46.

California Packing Corporation, San Francisco, Calif. Fish liver oil containing Vitamin A. Serial No. 450,533; Mar. 17. Class 6.

Cambridge Tile Manufacturing Co., The, Cincinnati, Ohio. Wall tile. Serial No. 449,252; Mar. 17. Class 12.

Cameo Vineyards Company, Fresno, Calif. Wines. Serial No. 449,598; Mar. 17. Class 47.

Cameo Vineyards Company, Fresno, Calif. Brandy. Serial No. 449,599; Mar. 17. Class 49.

Cantor-Greenspan Co., Inc., doing business as Labtex Fabrics, New York, N. Y. Rayon piece goods. Serial No. 449,121; Mar. 17. Class 42.

Cantor Greenspan Co., Inc., New York, N. Y. Spun rayon piece goods. Serial No. 450,156; Mar. 17. Class 42.

Chicago Pharmacal Company, Chicago, Ill. Sedative. Serial No. 450,788; Mar. 17. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Preparation for the treatment of anti-arthritic and anti-rheumatic conditions. Serial No. 450,789; Mar. 17. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Preparation to supply iron, calcium, phosphorous and Vitamin D, wherever a deficiency of these elements occurs. Serial No. 450,791; Mar. 17. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Stimulant for treatment of ulcers. Serial No. 450,792; Mar. 17. Class 6.

Colloid's Research Company. (See Cortez, Joseph.)

Colonial Fireplace Co., Chicago, Ill. Wall coverings and construction material simulating tile. Serial No. 449,253; Mar. 17. Class 12.

Cortez, Joseph, doing business as Colloid's Research Company, New York, N. Y. Vitamin compounds. Serial No. 445,352; Mar. 17. Class 6.

Cox, Rupert, doing business as Speed-Eez Company, Raleigh, N. C. Headache powders. Serial No. 447,631; Mar. 17. Class 6.

Crompton Company, West Warwick, R. I. Fabrics. Serial No. 447,365; Mar. 17. Class 42.

Cross, Austin & Ireland Lumber Company, Brooklyn, N. Y. Lumber, ply wood, and special mill-work. Serial No. 449,852; Mar. 17. Class 12.

Dell Publishing Company, Inc., The, New York, N. Y. Publications. Serial No. 449,077; Mar. 17. Class 38.

De Aranda, Manuel R., Jerez de la Frontera, Spain. Wines. Serial No. 448,855; Mar. 17. Class 47.

Dermetics, Inc., Seattle, Wash. Toilet preparations. Serial Nos. 450,192–4; Mar. 17. Class 6.

Dieges & Clust, New York, N. Y. Medals and badges, rings, etc. Serial No. 449,602; Mar. 17. Class 28.

Dorr Company, Inc., The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids and more particularly for agitating and clarifying apparatus. Serial No. 448,821; Mar. 17. Class 23.

Dowty Equipment Corporation, New York, N. Y. Aircraft landing gear. Serial No. 445,409; Mar. 17. Class 19.

Duotone Company, Inc., New York, N. Y. Phonograph needles. Serial No. 449,448; Mar. 17. Class 36.

Duotone Company, Inc., New York, N. Y. Phonograph needles. Serial No. 449,450; Mar. 17. Class 36.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. Serial No. 449,672; Mar. 17. Class 39.

Embalmer's Supply Company, The, Westport, Conn. Preparation for softening of waxes and wound fillers for use in the embalming trade. Serial No. 449,959; Mar. 17. Class 6.

Farm Feed Manufacturing Company, Litchfield, Minn. Poultry, cattle, and stock feeds. Serial No. 446,795; Mar. 17. Class 46.

Franklin Laboratories, Inc., Hacketts town, N. J. Pharmaceutical preparation. Serial No. 445,548; Mar. 17. Class 6.

Gallo, E. & J., Winery, Modesto, Calif. Brandy. Serial No. 449,005; Mar. 17. Class 49.

Gildin, H. A., & Co., New York, N. Y. Lining fabrics. Serial No. 449,320; Mar. 17. Class 42.

Gooch Food Products Company, Lincoln, Nebr. Flour. Serial No. 449,371; Mar. 17. Class 46.

Goshen Veneer Co., Goshen, Ind. Wood veneers of the nature of laminated wood bonded by thermo plastics. Serial No. 449,991; Mar. 17. Class 12.

Gross, A., Candle Company, Inc., Baltimore, Md. Candles, votive, sanctuary, and tabernacle lights. Serial No. 449,576; Mar. 17. Class 15.

Heneph Corporation, The, New York, N. Y. Medicinal tablet. Serial No. 446,572; Mar. 17. Class 6.

Hoover, Claude H., doing business as C-Lite Chemical Products, Goshen, Ind. Preparation for cleaning and polishing glass and metal. Serial No. 424,518; Mar. 17. Class 4.

Huffman Full Fashioned Mills, Inc., Morganton, N. C. Ladies' hosiery. Serial No. 450,279; Mar. 17. Class 39.

Irresistible, Inc., Jersey City, N. J. Cologne, toilet water, perfume, etc. Serial No. 449,773; Mar. 17. Class 6.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Insulating block. Serial No. 447,782; Mar. 17. Class 12.

Kerry Cricket Inc., St. Louis, Mo. Dresses, skirts, jackets, etc. Serial No. 445,498; Mar. 17. Class 39.

Keyes Fibre Company, Waterville, Maine. Molded resin. Serial No. 449,347; Mar. 17. Class 23.

King's Tavern, Reading, Ohio. Packaged meals. Serial No. 449,489; Mar. 17. Class 46.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Waxed paper. Serial No. 449,864; Mar. 17. Class 37.

Labtex Fabrics. (See Cantor-Greenspan Co., Inc.)

Lambert Pharmacal Company, Wilmington, Del. Tooth paste. Serial No. 448,974; Mar. 17. Class 6.

Lieberman Shoe Corporation, Brooklyn, N. Y. Ladies' shoes. Serial No. 450,208; Mar. 17. Class 39.

Lockport Cotton Batting Co., Lockport, N. Y. Wool batting or wool batts. Serial No. 448,154; Mar. 17. Class 1.

Lola Hat, Inc., New York, N. Y. Ladies' hats. Serial No. 446,699; Mar. 17. Class 39.

Marshall Field & Company, Chicago, Ill. Women's handbags. Serial No. 450,477; Mar. 17. Class 3.

McDonald Biochemic Laboratories Limited, Toronto, Ontario, Cana. Oral prophylactic. Serial No. 450,399; Mar. 17. Class 6.

McDonald Biochemic Laboratories Limited, Toronto, Ontario, Canada. Medicinal preparation. Serial No. 450,400; Mar. 17. Class 6.

Miller, Doris, Inc., New York, N. Y. Ladies' underwear. Serial No. 450,282; Mar. 17. Class 39.

Milton Bradley Company, Springfield, Mass. Ink, writing fluid, and stamp pads. Serial No. 449,887; Mar. 17. Class 11.

Miracle Industries, Chicago, Ill. Synthetic soap. Serial No. 448,978; Mar. 17. Class 4.

Mueller, Carl, doing business as Mueller Specialty Mfg. Co., Chicago, Ill. Metal pipe fittings. Serial No. 450,337; Mar. 17. Class 13.

Mulligan, Walter J., doing business as W. J. Mulligan & Co., San Francisco, Calif. Brandy. Serial No. 450,168; Mar. 17. Class 49.

Munro, Robert W., Cynwyd, Pa. Simulated bowling games played with darts. Serial No. 449,651; Mar. 17. Class 22.

Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls and dolls' clothes. Serial Nos. 449,492–3; Mar. 17. Class 22.

Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls and dolls' clothes. Serial Nos. 449,495–7; Mar. 17. Class 22.

Napa & Sonoma Wine Co., San Francisco, Calif. Wines. Serial No. 444,651; Mar. 17. Class 47.

National Lead Company, New York, N. Y. Mica product. Serial No. 444,974; Mar. 17. Class 12.
New England Calendar Company, Boston, Mass. Empty first aid cases. Serial No. 450,141; Mar. 17. Class 3.
North American Brewing Company, Brooklyn, N. Y. Beer. Serial No. 445,747; Mar. 17. Class 48.
Northam Warren Corporation, Stamford, Conn. Liquid nail polish. Serial No. 450,423; Mar. 17. Class 6.
Northwestern Yeast Company, Chicago, Ill. Yeast. Serial No. 449,998; Mar. 17. Class 46.
Pacific Pumping Company, San Francisco, Calif. Pumps. Serial No. 447,074; Mar. 17. Class 23.
Peacock Laboratories, Inc., Philadelphia, Pa. Liquid adhesive. Serial No. 449,389; Mar. 17. Class 5.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. Serial No. 446,215; Mar. 17. Class 35.
Petrogalar Laboratories, Inc., Chicago, Ill. Aqueous suspension of mineral oil for constipation. Serial Nos. 450,517–21; Mar. 17. Class 6.
Petrogalar Laboratories, Inc., Chicago, Ill. Aqueous suspension of mineral oil for the treatment of constipation. Serial No. 450,522; Mar. 17. Class 6.
Pharis Tire and Rubber Company, The, Newark, Ohio. Tires and tubes. Serial No. 450,545; Mar. 17. Class 35.
Pincus & Tobias, Inc., New York, N. Y. Ladies' shoes. Serial No. 449,652; Mar. 17. Class 39.
Plunkett, W. H., doing business as Plunkett Chemical Company, Chicago, Ill. Solvent. Serial No. 450,685; Mar. 17. Class 6.
Plunkett, W. H., doing business as Plunkett Chemical Company, Chicago, Ill. Drain pipe cleaner. Serial No. 450,686; Mar. 17. Class 6.
Plunkett, W. H., doing business as Plunkett Chemical Company, Chicago, Ill. Disinfectant, insecticide, solvent, etc. Serial No. 450,689; Mar. 17. Class 6.
Polk Miller Products Corporation, Richmond, Va. Flea soap. Serial No. 449,700; Mar. 17. Class 4.
Price Flavoring Extract Co., Chicago, Ill. Food colors. Serial No. 450,741; Mar. 17. Class 6.
Puritan Cordage Mills, Louisville, Ky. Mop yarn. Serial Nos. 450,245–6; Mar. 17. Class 43.
Quaker Oats Company, The, Chicago, Ill. Soup mixture. Serial No. 450,248; Mar. 17. Class 46.
Rubber Products, Inc., Chicago, Ill. Rubber forms used in the display of wearing apparel. Serial No. 438,630; Mar. 17. Class 50.
Rubon Woodfinishing and Products Company, Kansas City, Mo. Floor mops, dusters, and dust cloths. Serial No. 449,922; Mar. 17. Class 29.
Russell, F. C., Company, The, Cleveland, Ohio. Combination screen and storm windows. Serial No. 449,809; Mar. 17. Class 12.
S. B. Novelty Co. Inc., New York, N. Y. Toy doll baths. Serial No. 442,567; Mar. 17. Class 22.
Salomon, Fred B., doing business as Stein & Salomon, Chicago, Ill. Ladies' and misses' coats and suits. Serial No. 449,022; Mar. 17. Class 39.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. Serial No. 450,747; Mar. 17. Class 6.
Scarborough Testing Gardens, Inc., Scarborough, N. Y. Seed germinating box or container. Serial No. 442,568; Mar. 17. Class 50.
Shirley Silk Co., Inc., New York, N. Y. Textile fabrics. Serial No. 449,810; Mar. 17. Class 42.
Speed-Eez Company. (See Cox, Rupert.)
Stanley Home Products, Inc., Westfield, Mass. Mops. Serial No. 450,033; Mar. 17. Class 29.
Stein & Salomon. (See Salomon, Fred B.)
Stix, Baer and Fuller Company, St. Louis, Mo. Ladies' and misses' shoes. Serial No. 450,147; Mar. 17. Class 39.
Superior Felt & Bedding Company, Chicago, Ill. Mattresses. Serial No. 450,497; Mar. 17. Class 32.
Utica Knitting Company, Utica, N. Y. Men's knitted underwear. Serial No. 450,323; Mar. 17. Class 39.
Victory Sales Agency, The, Butte, Mont. Merchandise cabinets. Serial No. 450,409; Mar. 17. Class 32.
Vivaudou, Jean, Company, Inc., New York, N. Y. Toilet water, bath essence, sachets, etc. Serial No. 450,435; Mar. 17. Class 6.
Voss, Peter, Washington, D. C. Ointment, salve, foot powder, etc. Serial No. 450,701; Mar. 17. Class 6.
Wadlington, Claude R., Co., Hopkinsville, Ky. Ointment. Serial No. 450,756; Mar. 17. Class 6.
Wells, S. C., & Company, Leroy, N. Y. Preparation for relief of coughs due to colds. Serial No. 450,437; Mar. 17. Class 6.
Western Auto Supply Company, Kansas City, Mo. Motor oils. Serial No. 449,400; Mar. 17. Class 15.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Packings for pistons. Serial No. 450,084; Mar. 17. Class 35.

LIST OF REGISTRANTS OF TRADE-MARKS

Alliance Rubber Company. (See Spencer, William H.)
American Maize-Products Company, New York, N. Y. Laundry starch. 394,113; Mar. 17; Serial No. 448,596; published Jan. 6, 1942. Class 6.
Associated Laboratories, Inc., doing business as Vitamin-Quota, Long Island City, N. Y. Vitaminic products. 394,129; Mar. 17. Class 6.
Autograph Cigarettes Company, New York, N. Y. Cigarettes. 394,137; Mar. 17. Class 17.
Aviation Manufacturing Corporation. New York, N. Y., Wayne, Mich., Nashville, Tenn., and Williamsport, Pa., assignor to Vultee Aircraft, Inc. Airplanes and structural parts thereof. 394,021; Mar. 17; Serial No. 435,112; published Jan. 6 1942. Class 19.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. 394,072; Mar. 17; Serial No. 447,779; published Jan. 6, 1942. Class 17.
Baron & Arnof, Inc., New York, N. Y. Banks. 394,065; Mar. 17; Serial No. 447,681; published Jan. 6, 1942. Class 25.
Bartgis Brothers Company, The, Ilchester, Md. Cartons and folding paper boxes. 394,134; Mar. 17. Class 2.
Beacon Manufacturing Company, Providence, R. I., to Beacon Manufacturing Company, Swannonoa, N. C. Blankets of double thickness. 157,000; renewed July 25, 1942.
Becker, John A., doing business as Gumputtie Laboratories, Chicago, Ill. Plastic compound. 394,133; Mar. 17. Class 12.
Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Liquid combination automobile body polish and cleaner. 394,085; Mar. 17; Serial No. 448,028; published Jan. 6, 1942. Class 16.
Benegas Hermanos y Compañia Limitada Sociedad Anónima Industrial y Comercial, Buenos Aires, Argentina. Distilled alcoholic liquors specifically pisco. 394,049; Mar. 17; Serial No. 445,914; published Dec. 30, 1941. Class 49.
Bonat, Samuel, & Bro., New York, N. Y. Permanent hair waving solution and permanent hair waving cream. 394,051; Mar. 17; Serial No. 446,015; published Jan. 6, 1942. Class 6.
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. 394,082; Mar. 17; Serial No. 447,931; published Jan. 6, 1942. Class 39.
Bourjois, Inc., New York, N. Y. Perfume, eau parfumee, face powder, etc. 394,118; Mar. 17; Serial No. 448,720; published Jan. 6, 1942. Class 6.
Bourjois, Inc., New York, N. Y. Perfume, eau parfumee, face powder, talcum powder, bath powder, lipstick, rouge, etc. 394,105; Mar. 17; Serial No. 448,544; published Jan. 6, 1942. Class 6.
Bourjois, Inc., New York, N. Y. Evening handbags. 394,125; Mar. 17; Serial No. 448,997; published Jan. 6, 1942. Class 3.
Brittany Hat Co., Inc., New York, N. Y. Hats, hat linings, sweat bands, and caps. 394,035; Mar. 17; Serial No. 441,276; published Jan. 6, 1942. Class 39.
Brooks, J. B., & Company Limited, Birmingham, England. Cycle-saddles (leather). 141,500; renewed Apr. 26, 1941.
Brookside Distilling Products Corporation, Scranton, Pa. Wines. 394,073; Mar. 17; Serial No. 447,794; published Dec. 30, 1941. Class 47.
Camloc Fastener Company, New York, N. Y. Rotatable stud separable fasteners. 394,081; Mar. 17; Serial No. 447,865; published Jan. 6, 1942. Class 13.
Canton-Greenspan Co., Inc., New York, N. Y. Spun rayon piece goods. 394,135; Mar. 17. Class 42.
Carle, John, & Sons, Inc., New York, N. Y. Disinfectant. 394,052; Mar. 17; Serial No. 446,042; published Jan. 6, 1942. Class 6.
Carnation Company, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash. Eggs. 394,055; Mar. 17; Serial No. 447,011; published Jan. 6, 1942. Class 46.
Carr, James W., Savannah, Ga. Chemical wood preservatives. 394,034; Mar. 17; Serial No. 440,618; published Jan. 6, 1942. Class 6.
Caulk, L. D., Company, The, Milford, Del. Plastic material for the construction of crowns, inlays, and bridges. 394,101; Mar. 17; Serial No. 448,493; published Jan. 6, 1942. Class 44.
Celanese Corporation of America, New York, N. Y. Staple fibers made wholly or partially of cellulose derivatives. 394,066; Mar. 17; Serial No. 447,683; published Jan. 6, 1942. Class 1.
Central Brass & Fixture Company, The, Springfield, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Automobile accessories. 153,136; renewed Mar. 14, 1942.
Ceresinfabrik und Wachsraffinerie. (See Himmelbauer, Karl.)
Chase & Chase, Jacksonville, assignor to Chase Investment Company, Sanford, Fla. Fresh citrus fruits. 152,709; renewed Mar. 7, 1942.
Chicago Mail Order Company, Chicago, Ill. Shoes. 394,040; Mar. 17; Serial No. 443,747; published Jan. 6, 1942. Class 39.
Chief Weavers, Inc., Albuquerque, N. Mex. Hand woven neckties. 394,093; Mar. 17; Serial No. 448,217; published Jan. 6, 1942. Class 39.
Christiansburg Canning Co., Inc., Pulaski, Va. Wheat flour. 394,031; Mar. 17; Serial No. 440,114; published June 3, 1941. Class 46.

Clay Equipment Corporation, Cedar Falls, Iowa. Windows and ventilators. 394,089; Mar. 17; Serial No. 448,130; published Dec. 30, 1941. Class 12.
Coffee-Cool Bottling Co., Los Angeles, Calif. Beverages, syrups and extracts. 394,131; Mar. 17. Class 45.
Commonwealth Shoe and Leather Company, Boston, to Commonwealth Shoe and Leather Company, Whitman, Mass. Leather boots and shoes. 157,030; renewed July 25, 1942.
Composite Materials Corporation, Detroit, Mich. Sound deadening plastic composition for automobile bodies and other metallic structures. 394,026; Mar. 17; Serial No. 439,013; published Oct. 7, 1941. Class 12.
Consolidated Paper Corporation Limited. (See Wayagamack Pulp & Paper Co., Limited, assignor.)
Co-Operative Displays, Inc., Cincinnati, Ohio. Advertising display structures in the nature of panels. 394,029; Mar. 17; Serial No. 439,538; published Dec. 30, 1941. Class 12.
Coty, Francois J., de S., Suresnes, France, to Coty, Inc., New York, N. Y., successor. Face powders. 151,463; renewed Feb. 7, 1942.
Coyne, William F., doing business as Shu-Rap & Sava-Towl Paper Products Co., Chicago, Ill. Protective bags for shoes. 394,126; Mar. 17. Class 2.
Cribari, B., & Sons, New York, N. Y. Vermouth, champagne, and wines. 394,056; Mar. 17; Serial No. 447,059; published Dec. 16, 1941. Class 47.
Dairy Association Co., Inc., Lyndonville, Vt. Medicinal preparation for cows. 157,486; renewed Aug. 8, 1942.
Dairyland Co-Operative Association, Juneau, Wis. Evaporated milk. 394,102; Mar. 17; Serial No. 448,499; published Jan. 6, 1942. Class 46
Daniel, Jack, Distillery, Lem Motlow, Prop., Inc., Lynchburg, Ten. Whiskey. 394,017; Mar. 17; Serial No. 429,345; published Mar. 11, 1941. Class 49.
Daniel, Jack, Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 394,018; Mar. 17; Serial No. 429,602; published July 2, 1940. Class 49.
Delrose Laboratory. (See Pastor, Vincent.)
Devoine Candy Company, assignor, by mesne assignments, to Mavis Corporation, Baltimore, Md. Sirups for soft drinks and soda fountain use. 152,385; renewed Feb. 28, 1942.
Diadem, Inc., Leominster, Mass. Luminous hair retainer. 394,059; Mar. 17; Serial No. 447,200; published Jan. 6, 1942. Class 40.
Douglas Fir Plywood Association, Tacoma, Wash. Box grade Douglas fir plywood. 394,128; Mar. 17. Class 12.
Edmonds Shoe Company, Milwaukee, to Allen Edmonds Shoe Corporation, Belgium, Wis. Leather shoes. 156,235; renewed June 20, 1942.
Egry Register Company, The, Dayton, Ohio. Cabinets for registers. 155,676; renewed June 6, 1942.
Electric Auto-Lite Company, The. (See Central Brass & Fixture Company, The, assignor.)
Esquire, Inc., Chicago, Ill. Playing cards. 394,123; Mar. 17; Serial No. 448,965; published Jan. 6, 1942. Class 22.
Fahrney, Dr. Peter, & Sons Co., The, Chicago, Ill. Medicinal preparation. 157,329–33; renewed Aug. 1, 1942.
Flare Laboratories. (See Bell Company, Inc., The.)
Fordyce Lumber Company, Fordyce, Ark. Wood flooring and wood trim. 394,098; Mar. 17; Serial No. 448,451; published Dec. 30, 1941. Class 12.
Fort Orange Chemical Co., Inc., Albany, N. Y. Solvent. 394,127; Mar. 17. Class 6.
Fruitvale Canning Company, Oakland, Calif. Canned foods. 394,106; Mar. 17; Serial No. 448,556; published Jan. 6, 1942. Class 46.
Fuji Sake Brewing Company, Limited, Honolulu, Hawaii. Bottled sake. 394,046; Mar. 17; Serial No. 445,574; published Dec. 30, 1941. Class 47.
Gallo, E. & J., Winery, Modesto, Calif. Wines. 394,057; Mar. 17; Serial No. 447,100; published Dec. 23, 1941. Class 47.
General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof, used in photographic processes. 394,119–20; Mar. 17; Serial Nos. 448,724–5; published Jan. 6, 1942. Class 6.
General Motors Corporation. (See North East Electric Company, assignor.)
Glaser Lead Company, Inc., Brooklyn, N. Y. Hot tinning compound. 394,019; Mar. 17; Serial No. 432,468; published Jan. 6, 1942. Class 6.
Gray & Dudley Company, Nashville, Tenn. Cooking ranges, and oil-burning space heaters, furnaces and water heaters. 394,063; Mar. 17; Serial No. 447,609; published Jan. 6, 1942. Class 34.
Greening Nursery Company, The, Monroe, Mich. Nursery products. 155,971; renewed June 13, 1942.
Gumputtie Laboratories. (See Becker, John A.)
Haffenreffer & Co., Inc. (See New England Brewing Company.)
Haines City Citrus Growers Association, Haines City, Fla. Fresh citrus fruit. 394,090; Mar. 17; Serial No. 448,137; published Jan. 6, 1942. Class 46.
Hecker Products Corporation, New York, N. Y. Breakfast cereals. 394,094–5; Mar. 17; Serial Nos. 448,292–3; published Jan. 6, 1942. Class 46.
Henderson, Peter, & Co., New York, N. Y. Annual catalogues. 155,241; renewed May 23, 1942.
Henderson, Peter, & Co., New York, N. Y. Agricultural and horticultural seeds. 155,978; renewed June 13, 1942.
Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Nail polish. 394,097; Mar. 17; Serial No. 448,431; published Jan. 6, 1942. Class 6.
Hetson-Sommers Co., Inc., Brooklyn, N. Y. Transparent liquid waterproof coating for plywood, lumber, and concrete. 394,032; Mar. 17; Serial No. 440,414; published Jan. 6, 1942. Class 16.
Himmelbauer, Karl, doing business as Ceresinfabrik und Wachsraffinerie, Mahrisch-Ostrau, Germany. Ceresin and ozokerit. 394,033; Mar. 17; Serial No. 440,510; published Dec. 2, 1941. Class 1
Hirsch, S. H. (See Henry, Sidney.)
Horn, A. C., Company, Long Island City, N. Y. Cleaning and polishing powder. 155,718; renewed June 6, 1942.
Houbigant, Inc., New York, N. Y. Perfume extract and toilet water. 157,343; renewed Aug. 1, 1942.
House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, bath powder, talcum powder, sachet powder, and bubble foam powder. 394,107; Mar. 17; Serial No. 448,558; published Jan. 6, 1942. Class 6.
Hovland-Leslie Co., Chicago, Ill. Hats. 394,043; Mar. 17; Serial No. 444,571; published Jan. 6. 1942. Class 39.
Huval Baking Company, Inc., Lafayette, La. Bread. 394,083; Mar. 17; Serial No. 447,943; published Jan. 6, 1942. Class 46.
Innis, Speiden & Co., Inc., assignor to Innis, Speiden & Co., New York, N. Y. Chemicals. 156,307; renewed June 20, 1942.
Jo-Do Specialty Company. (See Kosvich, Bess.)
Katz, Morris, doing business as Manhattan Bootblack Supply Co., New York, N. Y. Hair nets. 394,047; Mar. 17; Serial No. 445,871; published Jan. 6, 1942. Class 39.
Kaufman, Solomon, doing business as Semca Co., New York, N. Y. Watches and clocks and parts thereof. 394,074; Mar. 17; Serial No. 447,810; published Jan. 6, 1942. Class 27.
King, John P., Manufacturing Co. R. R., The, Augusta, Ga. Cotton piece goods. 156,573; renewed June 27, 1942.
Kinnucan, Walter F., doing business as Letter Fly Company, Chicago, Ill. Merchandise envelopes, cartons and mailing tubes. 394,022; Mar. 17; Serial No. 435,549; published Jan. 6, 1942. Class 2.
Kleistone Rubber Co., Inc., Warren, R. I. Arch cushions, heel cushions, heel levelers, etc. 394,124; Mar. 17; Serial No. 448,973; published Jan. 6, 1942. Class 44.
Knapp-Monarch Company, doing business as Kwikway Company, St. Louis, Mo. Electric heating pads and electric sun lamps. 394,039; Mar. 17; Serial No. 443,331; published Jan. 6, 1942. Class 44.
Kosher Desserts, Inc., New York, N. Y. Gelatines and gelatine desserts. 394,054; Mar. 17; Serial No. 446,881; published Jan. 6, 1942. Class 46.
Kosvich, Bess., doing business as Jo-Do Specialty Company, New York, N. Y. Shower and make-up caps. 394,061; Mar. 17; Serial No. 447,290; published Jan. 6, 1942. Class 39.
Kwikway Company. (See Knapp-Monarch Company.)
Lake Wales Citrus Growers Association, Lake Wales, Fla. Fresh citrus fruits. 155,744; renewed June 6, 1942.
Lasher's Silk Manufacturing Co., Inc., New York, N. Y. Lace and embroidery edgings and ribbons. 394,136; Mar. 17. Class 42.
Letter Fly Company. (See Kinnucan, Walter F.)
Little, M. S., Manufacturing Co., The, Hartford, Conn. Sink and tray wastes and traps and parts thereof. 394,099; Mar. 17; Serial No. 448,454; published Jan. 6, 1942. Class 13.
Manhattan Bootblack Supply Co. (See Katz, Morris.)
Marshall Field & Company, Chicago, Ill. Necktles. 394,068; Mar. 17; Serial No. 447,734; published Jan. 6, 1942. Class 39.
Massachusetts Cotton Mills, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 156,892; renewed July 18, 1942.
Mavis Corporation. (See Devoine Candy Company, assignor.)
McKesson, Elmer I., assignor to Martha F. McKesson, Toledo, Ohio. Respiration-testing and gas-administration apparatus. 153,237; renewed Mar. 14, 1942.
McLaughlin, Ward, & Company, Jackson, Mich. Dog and poultry foods, and stock, dairy, etc., feeds. 394,025; Mar. 17; Serial No. 437,448; Jan. 6, 1942. Class 46.
Miltar Distributing Co., New York, N. Y. Toilet kits covered with khaki cloth and containing a series of pockets for toilet articles. 394,087; Mar. 17; Serial No. 448,084; published Jan. 6, 1942. Class 3.
Minnesota and Ontario Paper Company, Minneapolis and International Falls, Minn. Printing, writing, book, and newsprint paper. 394,069; Mar. 17; Serial No. 447,753; published Jan. 6, 1942. Class 37.
Movado Watch Agency, Inc., New York, N. Y. Watches. 394,067; Mar. 17; Serial No. 447,707; published Jan. 6, 1942. Class 27.
Multi Products Co. (See Protectoseal Company of America, Inc.)
National Biscuit Company, New York, N. Y. Bakery products. 394,028; Mar. 17; Serial No. 439,121; published Dec. 23, 1941. Class 46.

National Copper Paint Corporation, Chicago, Ill. Protective coating. 394,116–7. Mar. 17; Serial Nos. 448,702–3; published Jan. 6, 1942. Class 6.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 152,894; renewed Mar. 7, 1942.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn., to National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 152,895; renewed Mar. 7, 1942.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn., to National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 152,897–8; renewed Mar. 7, 1942.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn., to National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 152,900; renewed Mar. 7, 1942.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn., to National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 152,904–6; renewed Mar. 7, 1942.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn., to National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 155,266; renewed May 23, 1942.
Neville Company, The, Neville Island, Pittsburgh, Pa. Liquid hydrocarbon solvents. 394,086; Mar. 17; Serial No. 448,057; published Jan. 6, 1942. Class 16.
New England Brewing Company, doing business as Haffenreffer & Co., Jersey City, N. J., and Boston, assignor, by mesne assignments, to Haffenreffer & Co., Inc., Boston, Mass. Concentrated material brewed from malt and hops for making malt beverage. 157,551; renewed Aug. 8, 1942.
New York & Pennsylvania Company, Inc., New York, N. Y. Papers, tablets, press board, and tissue paper. 394,050; Mar. 17; Serial No. 445,952; published Jan. 6, 1942. Class 37.
Niagara Smelting Corporation, Niagara Falls and New York, N. Y. Cleaning fluid for clothing and other fabrics. 394,036; Mar. 17; Serial No. 441,832; published Jan. 6, 1942. Class 4.
North American Dye Corporation, Mount Vernon, N. Y. Leather dressing. 394,100; Mar. 17; Serial No. 448,455; published Jan. 6, 1942. Class 4.
North American Iron & Steel Co., Inc., Brooklyn, N. Y. Rolling doors, grilles, and vertical lift doors, etc. 394,044; Mar. 17; Serial No. 444,676; published Dec. 30, 1941. Class 12.
North East Electric Company, Rochester, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric signal horns. 152,916; renewed Mar. 7, 1942.
Onita Specialty Co., Brooklyn, N. Y. Bath robes, sacks, buntings, etc. 156,033; renewed June 13, 1942.
Pastor, Vincent, doing business as Delrose Laboratory, Morton Grove, Ill. Salve used for the treatment of athlete's foot. 394,053; Mar. 17; Serial No. 446,464; published Jan. 6, 1942. Class 6.
Pendleton Woolen Mills, Pendleton, to Pendleton Woolen Mills, Portland, Oreg. Indian blankets; wool in piece for making bath robes; etc. 156,730; renewed July 11, 1942.
Pepperell Manufacturing Company. (See Massachusetts Cotton Mills, assignor.)
Phelps Tinsel Company, Newark, N. J. Metallic tinsel. 394,138; Mar. 17. Class 50.
Philco Shoe Corporation, Bangor, Me. Moccasin type shoes. 394,070; Mar. 17; Serial No. 447,761; published Jan. 6, 1942. Class 39.
Plumb, Fayette R., Incorporated, Philadelphia, Pa. Handled hammers, hatches, axes, etc. 157,373; renewed Aug. 1, 1942.
Polaroid Corporation, Cambridge, Mass. Transparent organic plastic material. 394,030; Mar. 17; Serial No. 439,555; published Jan. 6, 1942. Class 50.
Promotions, Inc., Youngstown, Ohio. Dinnerware made of crockery or porcelain. 394,103; Mar. 17; Serial No. 448,521; published Jan. 6, 1942. Class 30.
Protectoseal Company of America, Inc., doing business as Multi Products Co., Chicago, Ill. Wood fiber novelties, metal specialties, and advertising displays. 394,023; Mar. 17; Serial No. 436,628; published Jan. 6, 1942. Class 50.
Purobar Co., Denver, Colo. Especially compounded chemical product for purifying the air, etc. 394,060; Mar. 17; Serial No. 447,251; published Jan. 6, 1942. Class 6.
Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings. 394,108; Mar. 17; Serial No. 448,579; published Jan. 6, 1942. Class 35.
Rhinelander Paper Company, Rhinelander, Wis. Coated glassine paper. 394,079; Mar. 17; Serial No. 447,850; published Jan. 6, 1942. Class 37.
Roart, Alphonse, Inc., Philadelphia, Pa. Cakes. 394,091; Mar. 17; Serial No. 448,171; published Jan. 6, 1942. Class 46.
Roberts, Cadwallader and Dilts, Inc., Camden, N. J. Transparent structural waterproofing materials. 394,071; Mar. 17; Serial No. 447,768; published Dec. 30, 1941. Class 12.
Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors. 394,109–10; Mar. 17; Serial Nos. 448,583–4; published Jan. 6, 1942. Class 49.
Rubber Fabrics Corporation, New York, N. Y. Rubberized waterproof fabrics in the piece. 394,080; Mar. 17; Serial No. 447,851; published Jan. 6, 1942. Class 50.
Rytex Company, The, Indianapolis, Ind. Writing paper and envelopes. 394,075–8; Mar. 17; Serial Nos. 447,823–6; published Jan. 6, 1942. Class 37.
Sakamoto, Tokuichi, doing business as Sakamoto Store, Waikapu, Hawaii. Tonic preparation for building up bodily resistance to disease and improving the blood. 394,045; Mar. 17; Serial No. 444,882; published Jan. 6, 1942. Class 6.
Sanitary Products Corporation of America, The, Philadelphia, Pa., to The Sanitary Products Corporation of America, Plainfield, N. J. Paper luncheon sets. 157,199; renewed July 25, 1942.
Scherrer, E. C., Inc., New York, N. Y. Synthetic straw braids used in the manufacture of hat bodies. 394,096; Mar. 17; Serial No. 448,303; published Jan. 6, 1942. Class 40.
Schokoladenfabrik Mauxion m. b. H., Saalfeld, Germany. Pudding powder, ice cream, fruit ices, etc. 394,016; Mar. 17; Serial No. 389,479; published Nov. 25, 1941. Class 46.
Schoppe, H., & Schultz, Hamburg, Germany. Chemical preparation used as a food substitute in the preparation of creamy dishes. 394,038; Mar. 17; Serial No. 442,730; published Dec. 2, 1941. Class 6.
Scintilla, by change of name to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland. Electrical apparatus, machines, and supplies. 132,240; renewed June 15, 1940.
Scintilla, by change of name to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland. Motor-vehicles. 144,922; renewed July 19, 1941.
Scintilla, by change of name to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland. Engines, automotive machinery, and tools. 145,215; renewed July 26, 1941.
Scintilla, by change of name to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland. Lamps, lanterns, radiators, etc. 151,227; renewed Jan. 24, 1942.
Semca Co. (See Kaufman, Solomon.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations useful as bactericides and as antiseptics, etc. 394,111; Mar. 17; Serial No. 448,587; published Jan. 6, 1942. Class 6.
Sherwin-Williams Company, The, Cleveland, Ohio. Chemicals. 157,387; renewed Aug. 1, 1942.
Sherwin-Williams Company, The, Cleveland, Ohio. Soap. 155,831; renewed June 6, 1942.
Shu-Rap & Sava-Towl Paper Products Co. (See Coyne, William F.)
Sitroux Importing Company, Inc., New York, N. Y., by change of name to The Sitroux Company, Inc. Hair nets. 155,082–5; renewed May 16, 1942.
Smirnoff, Ste Pierre, Fils, Inc., Hartford, Conn. Distilled alcoholic liquor. 394,058; Mar. 17; Serial No. 447,118; published Dec. 23, 1941. Class 49.
Snapout Forms Company, The, Chardon, Ohio. Accounting forms, invoices, sales records, etc. 394,037; Mar. 17; Serial No. 442,147; published Jan. 6, 1942. Class 37.
Sollmann, Carl P., New York, N. Y. Salt and pepper shakers, wooden bowls, etc. 394,048; Mar. 17; Serial No. 445,903; published Jan. 6, 1942. Class 2.
Southland Wine Corporation, Richmond, Va. Wines. 394,132; Mar. 17. Class 47.
Spencer, William H., doing business as Alliance Rubber Company, Alliance, Ohio. Rubber bands. 394,139; Mar. 17. Class 37.
Spiegel, Max, & Sons Co., Inc., New York, N. Y. Cigarette papers. 153,535; renewed Mar. 21, 1942.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 394,121; Mar. 17; Serial No. 448,741; published Jan. 6, 1942. Class 6.
Stamm, Alexander F., doing business as Star Dental Laboratory, Indianapolis, Ind. Dentures and plastic material for making same. 394,114; Mar. 17; Serial No. 448,624; published Jan. 6, 1942. Class 44.
Star Dental Laboratory. (See Stamm, Alexander F.)
Stein, Hall & Company, Inc., New York, N. Y. Gum used as a binder and thickener for pigmented substances used in printing fabrics and the like. 394,084; Mar. 17; Serial No. 448,015; published Jan. 6, 1942. Class 11.
Stevens, J. & E., Company, The, Cromwell, Conn. Toy pistols. 394,122; Mar. 17; Serial No. 448,840; published Jan. 6, 1942. Class 22.
Stratton & Terstegge Co., Inc., Louisville, Ky. Heating stoves, ranges, cook stoves, and stokers. 394,088; Mar. 17; Serial No. 448,119; published Jan. 6, 1942. Class 34.
Stronghold Fastener Company, Inc., New York, N. Y. Slide fasteners. 394,112; Mar. 17; Serial No. 448,590; published Jan. 6, 1942. Class 13.
Tea Garden Products Co., San Francisco, Calif. Grape juice. 394,104; Mar. 17; Serial No. 448,536; published Jan. 6, 1942. Class 45.
Thermoseal Products, Inc., New York, N. Y. Dispensing envelopes of flexible sheet material—namely, tobacco pouches. 394,027; Mar. 17; Serial No. 439,083; published Jan. 6, 1942. Class 8.

Tolerton & Warfield Company, Sioux City, Iowa. Catsup, peanut butter, grape jam, olives, pickles, etc. 394,024; Mar. 17; Serial No. 436,744; published Jan. 6, 1942. Class 46.
Tribune Company, Chicago, Ill. Newspaper articles. 151,976–7; renewed Feb. 14, 1942.
Tribune Company, Chicago, Ill. Series of cartoons. 151,978–9; renewed Feb. 14, 1942.
Tribune Company, Chicago, Ill. Newspaper column. 153,026; renewed Mar. 7, 1942.
Tribune Company, Chicago, Ill. Series of cartoons. 153,028; renewed Mar. 7, 1942.
Tribune Company, Chicago, Ill. Newspaper column. 153,029; renewed Mar. 7, 1942.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Woven textile fabrics in the piece. 152,525; renewed Feb. 28, 1942.
Union Potash & Chemical Company, Chicago, Ill. Sulphate of potash magnesia used as a fertilizer. 394,062; Mar. 17; Serial No. 447,381; published Jan. 6, 1942. Class 10.
United Drill and Tool Corporation, Chicago, Ill. Twist drills, reamers, punches, and punch retainers. 394,115; Mar. 17; Serial No. 446,282; published Jan. 6, 1942. Class 23.
Vitamin-Quota. (See Associated Laboratories, Inc.)
Vultee Aircraft, Inc. (See Aviation Manufacturing Corporation, assignor.)
Wanamaker, John, New York, New York, N. Y. Perfumes, sachets, toilet waters, etc. 152,289; renewed Feb. 14, 1942.
Wayagamack Pulp & Paper Co., Limited, Three Rivers, Quebec, assignor to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Paper bags, boxes, and cups. 154,417; renewed Apr. 11, 1942.
Western Battery & Supply Co., Denver, Colo. Storage batteries. 151,634; renewed Feb. 7, 1942.
Westgate Sea Products Co., San Diego, Calif. Canned tuna. 394,130; Mar. 17. Class 46.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Cast metal storage reservoirs and fabricated steel storage reservoirs. 394,041; Mar. 17; Serial No. 444,109; published Jan. 6, 1942. Class 2.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Cooler units, intercoolers, air filters, air strainers, etc. 394,042; Mar. 17; Serial No. 444,113; published Jan. 6, 1942. Class 31.
White, Elmer A., Hartford, Conn. Food composition. 394,020; Mar. 17; Serial No. 435,102; published Dec. 31, 1940. Class 46.
White Mfg. Co., The, North Attleboro, Mass. Pocket knives and jewelry for personal wear and adornments. 394,064; Mar. 17; Serial No. 447,679; published Jan. 6, 1942. Class 28.
Whitlock Cordage Co., New York, N. Y., to Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y. Manila rope. 153,561; renewed Mar. 21, 1942.
Whitlock Cordage Co., New York, N. Y., to Whitlock Cordage Co., Jersey City, N. J., and New York N. Y. Sisal rope. 153,562; renewed Mar. 21, 1942.
Woodward, A. B., Medicine Company, Marlin, to A. B. Woodward Medicine Company, Stamford, Tex., a partnership. Blood and liver tonic. 152,010; renewed Feb. 14, 1942.
Worcester Salt Co., New York and Silver Springs, N. Y., and Ecorse, Mich., to Worcester Salt Co., New York, N. Y. Salt. 157,406; renewed Aug. 1, 1942.
Yoo-Hoo Products Co., Minneapolis, Minn. Cigarettes. 394,092; Mar. 17; Serial No. 448,178; published Jan. 6, 1942. Class 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Ceresin and ozokerit. K. Himmelbauer. 394,033; Mar. 17; Serial No. 440,510; published Dec. 2, 1941.
Fibers, Staple. Celanese Corporation of America. 394,066; Mar. 17; Serial No. 447,683; published Jan. 6, 1942.
Nursery products. Greening Nursery Company. 155,971; renewed June 13, 1942.
Seeds, Agricultural and horticultural. Peter Henderson & Co. 155,978; renewed June 13, 1942.

CLASS 2

Bags, boxes, and cups, Paper. Wayagamack Pulp & Paper Co. 154,417; renewed Apr. 11, 1942.
Bags for shoes, Protective. W. F. Coyne. 394,126; Mar. 17.
Cartons and folding paper boxes. Bartgis Brothers Company. 394,134; Mar. 17.
Envelopes, cartons, and mailing tubes, Merchandise. W. F. Kinnucan. 394,022; Mar. 17; Serial No. 435,549; published Jan. 6, 1942.
Reservoirs and fabricated steel storage reservoirs, Cast metal storage. Westinghouse Air Brake Company. 394,041; Mar. 17; Serial No. 444,109; published Jan. 6, 1942.
Shakers, wooden bowls, etc., Salt and pepper. C. P. Sollmann. 394,048; Mar. 17; Serial No. 445,903; published Jan. 6, 1942.

CLASS 3

Handbags, Evening. Bourjois, Inc. 394,125; Mar. 17; Serial No. 448,997; published Jan. 6, 1942.
Kits, Toilet. Militar Distributing Co. 394,087; Mar. 17; Serial No. 448,084; published Jan. 6, 1942.

CLASS 4

Cleaning and polishing powder. A. C. Horn Company. 155,718; renewed June 6, 1942.
Cleaning fluid for clothing and other fabrics. Niagara Smelting Corporation. 394,036; Mar. 17; Serial No. 441,832; published Jan. 6, 1942.
Dressing, Leather. North American Dye Corporation. 394,100; Mar. 17; Serial No. 448,455; published Jan. 6, 1942.
Soap. Sherwin-Williams Company. 155,831; renewed June 6, 1942.

CLASS 6

Chemical preparation. H. Schoppe & Schultz. 394,038; Mar. 17; Serial No. 442,730; published Dec. 2, 1941.
Chemical product for purifying the air, etc., Especially compounded. Purobar Co. 394,060; Mar. 17; Serial No. 447,251; published Jan. 6, 1942.
Chemical wood preservatives. J. W. Carr. 394,034; Mar. 17; Serial No. 440,618; published Jan. 6, 1942.
Chemicals. Innis, Speiden & Co. 156,307; renewed June 20, 1942.
Chemicals. Sherwin-Williams Company. 157,387; renewed Aug. 1, 1942.
Chemicals and preparations and compounds thereof, used in photographic processes. General Aniline & Film Corporation. 394,119–20; Mar. 17; Serial Nos. 448,724–5; published Jan. 6, 1942.
Coating, Protective. National Copper Paint Corporation. 394,116–17; Mar. 17; Serial Nos. 448,702–3; published Jan. 6, 1942.
Disinfectant. John Carle & Sons, Inc. 394,052; Mar. 17; Serial No. 446,042; published Jan. 6, 1942.
Hair waving solution and hair waving cream, Permanent. Samuel Bonat & Bro. 394,051; Mar. 17; Serial No. 446,015; published Jan. 6, 1942.
Medicinal preparation. Dr. Peter Fahrney & Sons Co. 157,329–33; renewed Aug. 1, 1942.
Medicinal preparation for cows. Dairy Association Co. 157,486; renewed Aug. 8, 1942.
Nail polish. S. Henry. 394,097; Mar. 17; Serial No. 448,431; published Jan. 6, 1942.
Perfume, eau parfumee, face powder, etc. Bourjois, Inc. 394,105; Mar. 17; Serial No. 448,544; published Jan. 6, 1942.
Perfume, eau parfumee, face powder, etc. Bourjois, Inc. 394,118; Mar. 17; Serial No. 448,720; published Jan. 6, 1942.
Perfume extract and toilet water. Houbigant, Inc. 157,343; renewed Aug. 1, 1942.
Perfumes, sachets, toilet waters, etc. John Wanamaker New York. 152,289; renewed Feb. 14, 1942.
Pharmaceutical preparations. Sharp & Dohme, Incorporated. 394,111; Mar. 17; Serial No. 448,587; published Jan. 6, 1942.
Powders, Face. F. J. de S. Coty. 151,463; renewed Feb. 7, 1942.
Salve used for the treatment of athlete's foot. V. Pastor. 394,053; Mar. 17; Serial No. 446,464; published Jan. 6, 1942.
Solvent. Fort Orange Chemical Co. 394,127; Mar. 17.
Starch, Laundry. American Maize-Products Company. 394,113; Mar. 17; Serial No. 448,596; published Jan. 6, 1942.
Tinning compound, Hot. Glaser Lead Company. 394,019; Mar. 17; Serial No. 432,468; published Jan. 6, 1942.
Toilet water, perfume, bath powder, etc. House of Tre-Jur, Inc. 394,107; Mar. 17; Serial No. 448,558; published Jan. 6, 1942.
Tonic, Blood and liver. A. B. Woodward Medicine Company. 152,010; renewed Feb. 14, 1942.
Tonic preparation for building up bodily resistance to disease and improving the blood. T. Sakamoto. 394,045; Mar. 17; Serial No. 444,882; published Jan. 6, 1942.
Vitaminic preparations. E. R. Squibb & Sons. 394,121; Mar. 17; Serial No. 448,741; published Jan. 6, 1942.
Vitaminic Products. Associated Laboratories, Inc. 394,129; Mar. 17.

CLASS 7

Rope, Manila. Whitlock Cordage Co. 153,561; renewed Mar. 21, 1942.
Rope, Sisal. Whitlock Cordage Co. 153,562; renewed Mar. 21, 1942.

CLASS 8

Cigarette papers. Max Spiegel & Sons Co. 153,535; renewed Mar. 21, 1942.
Tobacco pouches. Thermoseal Products, Inc. 394,027; Mar. 17; Serial No. 439,083; published Jan. 6, 1942.

CLASS 10

Sulphate of potash magnesia used as a fertilizer. Union Potash & Chemical Company. 394,062; Mar. 17; Serial No. 447,381; published Jan. 6, 1942.

CLASS 11

Gum used as a binder and thickener for pigmented substances. Stein, Hall & Company. 394,084; Mar. 17; Serial No. 448,015; published Jan. 6, 1942.

CLASS 12

Advertising display structures in the nature of panels. Co-Operative Displays, Inc. 394,029; Mar. 17; Serial No. 439,538; published Dec. 30, 1941.
Doors, grilles, and vertical lift doors, etc., Rolling. North American Iron & Steel Co. 394,044; Mar. 17; Serial No. 444,676; published Dec. 30, 1941.
Plastic composition, Sound deadening. Composite Materials Corporation. 394,026; Mar. 17; Serial No. 439,013; published Oct. 7, 1941.
Plastic compound. J. A. Becker. 394,133; Mar. 17.
Plywood, Box grade Douglas fir. Douglas Fir Plywood Association. 394,128; Mar. 17.
Structural waterproofing materials, Transparent. Roberts, Cadwallader and Dilts, Inc. 394,071; Mar. 17; Serial No. 447,768; published Dec. 30, 1941.
Windows and ventilators. Clay Equipment Corporation. 394,089; Mar. 17; Serial No. 448,130; published Dec. 30, 1941.
Wood flooring and wood trim. Fordyce Lumber Company. 394,098; Mar. 17; Serial No. 448,451; published Dec. 30, 1941.

CLASS 13

Fasteners, Rotatable stud separable. Camloc Fastener Company. 394,081; Mar. 17; Serial No. 447,865; published Jan. 6, 1942.
Fasteners, Slide. Stronghold Fastener Company. 394,112; Mar. 17; Serial No. 448,590; published Jan. 6, 1942.
Sink and tray wastes and traps and parts thereof. M. S. Little Manufacturing Co. 394,099; Mar. 17; Serial No. 448,454; published Jan. 6, 1942.

CLASS 16

Coating for plywood, lumber, and concrete, Transparent, liquid, waterproof. Hetson-Sommers Co. 394,032; Mar. 17; Serial No. 440,414; published Jan. 6, 1942.
Polish and cleaner, Liquid combination automobile body. Bell Company. 394,085; Mar. 17; Serial No. 448,028; published Jan. 6, 1942.
Solvents, Liquid hydrocarbon. Neville Company. 394,086; Mar. 17; Serial No. 448,057; published Jan. 6, 1942.

CLASS 17

Cigarettes. Autograph Cigarettes Company. 394,137; Mar. 17.
Cigarettes. Yoo-Hoo Products Co. 394,092; Mar. 17; Serial No. 448,178; published Jan. 6, 1942.
Cigarettes and smoking tobacco. Axton-Fisher Tobacco Company. 394,072; Mar. 17; Serial No. 447,779; published Jan. 6, 1942.

CLASS 19

Airplane and structural parts thereof. Aviation Manufacturing Corporation. 394,021; Mar. 17; Serial No. 435,112; published Jan. 6, 1942.
Automobile accessories. Central Brass & Fixture Company. 153,136; renewed Mar. 14, 1942.
Cycle-saddles (leather). J. B. Brooks & Company Limited. 141,500; renewed Apr. 26, 1941.
Vehicles, Motor. Scintilla. 144,922; renewed July 19, 1941.

CLASS 21

Batteries, Storage. Western Battery & Supply Co. 151,634; renewed Feb. 7, 1942.
Electrical apparatus, machines and supplies. Scintilla. 132,240; renewed June 15, 1940.
Horns, Electric signal. North East Electric Company. 152,916; renewed Mar. 7, 1942.

CLASS 22

Cards, Playing. Esquire, Inc. 394,123; Mar. 17; Serial No. 448,965; published Jan. 6, 1942.
Toy pistols. J. & E. Stevens Company. 394,122; Mar. 17; Serial No. 448,840; published Jan. 6, 1942.

CLASS 23

Drills, reamers, punches and punch retainers, Twist. United Drill and Tool Corporation. 394,115; Mar. 17; Serial No. 446,282; published Jan. 6, 1942.
Engines, automotive machinery, and tools. Scintilla. 145,215; renewed July 26, 1941.
Hammers, hatches, axes, etc., Handled. Fayette R. Plumb, Incorporated. 157,373; renewed Aug. 1, 1942.

CLASS 24

Washboards. National Washboard Company. 152,894; renewed Mar. 7, 1942.
Washboards. National Washboard Company. 152,895; renewed Mar. 7, 1942.
Washboards. National Washboard Company. 152,897–8; renewed Mar. 7, 1942.
Washboards. National Washboard Company. 152,900; renewed Mar. 7, 1942.
Washboards. National Washboard Company. 152,904–6; renewed Mar. 7, 1942.
Washboards. National Washboard Company. 155,266; renewed May 23, 1942.

CLASS 25

Banks for saving small change. Baron & Arnof, Inc. 394,065; Mar. 17; Serial No. 447,681; published Jan. 6, 1942.

CLASS 27

Watches. Movado Watch Agency, Inc. 394,067; Mar. 17; Serial No. 447,707; published Jan. 6, 1942.
Watches and clocks and parts thereof. S. Kaufman. 394,074; Mar. 17; Serial No. 447,810; published Jan. 6, 1942.

CLASS 28

Knives and jewelry for personal wear and adornments, Pocket. White Mfg. Co. 394,064; Mar. 17; Serial No. 447,679; published Jan. 6, 1942.

CLASS 30

Dinnerwear. Promotions, Inc. 394,103; Mar. 17; Serial No. 448,521; published Jan. 6, 1942.

CLASS 31

Cooler units and intercoolers, air filters, etc. Westinghouse Air Brake Company. 394,042; Mar. 17; Serial No. 444,113; published Jan. 6, 1942.

CLASS 32

Cabinets for registers. Egry Register Company. 155,676; renewed June 6, 1942.

CLASS 34

Lamps, lanterns, radiators, etc. Scintilla. 151,227; renewed Jan. 24, 1942.
Ranges, and oil-burning space heaters, furnaces, etc., Cooking. Gray & Dudley Company. 394,063; Mar. 17; Serial No. 447,609; published Jan. 6, 1942.
Stoves, ranges, cook stoves, and stokers. Stratton & Terstegge Co. 394,088; Mar. 17; Serial No. 448,119; published Jan. 6, 1942.

CLASS 35

Clutch facings. Raybestos-Manhattan, Inc. 394,108; Mar. 17; Serial No. 448,579; published Jan. 6, 1942.

CLASS 37

Accounting forms, invoices, sales records, etc. Snapout Forms Company. 394,037; Mar. 17; Serial No. 442,147; published Jan. 6, 1942.
Paper and envelopes, Writing. Rytex Company. 394,075–8; Mar. 17; Serial Nos. 447,823–6; published Jan. 6, 1942.
Paper, Coated glassine. Rhinelander Paper Company. 394,079; Mar. 17; Serial No. 447,850; published Jan. 6, 1942.
Paper, Printing, writing, book, and newsprint. Minnesota and Ontario Paper Company. 394,069; Mar. 17; Serial No. 447,753; published Jan. 6, 1942.
Papers, tablets, press board, and tissue paper. New York & Pennsylvania Company. 394,050; Mar. 17; Serial No. 445,952; published Jan. 6, 1942.
Rubber bands. W. H. Spencer. 392,139; Mar. 17.

CLASS 38

Cartoons, Series of. Tribune Company. 151,978–9; renewed Feb. 14, 1942.
Cartoons, Series of. Tribune Company. 153,028; renewed Mar. 7, 1942.
Catalogues, Annual. Peter Henderson & Co. 155,241; renewed May 23, 1942.
Newspaper articles. Tribune Company. 151,976–7; renewed Feb. 14, 1942.
Newspaper column. Tribune Company. 153,026; renewed Mar. 7, 1942.
Newspaper column. Tribune Company. 153,029; renewed Mar. 7, 1942.

CLASS 39

Blouses, sweaters, dresses, etc. Bonwit Teller, Inc. 394,082; Mar. 17; Serial No. 447,931; published Jan. 6, 1942.
Boots and shoes, Leather. Commonwealth Shoe and Leather Company. 147,030; renewed July 25, 1942.
Caps, Shower and make-up. B. Kosvich. 394,061; Mar. 17; Serial No. 447,290; published Jan. 6, 1942.
Hair nets. M. Katz. 394,047; Mar. 17; Serial No. 445,871; published Jan. 6, 1942.
Hair nets. Sitroux Importing Company. 155,082–5; renewed May 16, 1942.
Hats. Hovland-Leslie Co. 394,043; Mar. 17; Serial No. 444,571; published Jan. 6, 1942.
Hats, hat linings, sweat bands, and caps. Brittany Hat Co. 394,035; Mar. 17; Serial No. 441,276; published Jan. 6, 1942.

Neckties. Chief Weavers, Inc. 394,093; Mar. 17; Serial No. 448,217; published Jan. 6, 1942.
Neckties. Marshall Field & Company. 394,068; Mar. 17; Serial No. 447,734; published Jan. 6, 1942.
Robes, sacks, buntings, etc., Bath. Onita Specialty Co. 156,033; renewed June 13, 1942.
Shoes. Chicago Mail Order Company. 394,040; Mar. 17; Serial No. 443,747; published Jan. 6, 1942.
Shoes, Leather. Edmunds Shoe Company. 156,235; renewed June 20, 1942.
Shoes, Moccasin type. Philco Shoe Corporation. 394,070; Mar. 17; Serial No. 447,761; published Jan. 6, 1942.

CLASS 40

Braids used in the manufacture of hat bodies, Synthetic straw. E. C. Scherrer Inc. 394,096; Mar. 17; Serial No. 448,303; published Jan. 6, 1942.
Hair retainer, Luminous. Diadem, Inc. 394,059; Mar. 17; Serial No. 447,200; published Jan. 6, 1942.

CLASS 42

Blankets of double thickness. Beacon Manufacturing Company. 157,000; renewed July 25, 1942.
Blankets; wool in piece for making bath robes; etc., Indian. Pendleton Woolen Mills. 156,730; renewed July 11, 1942.
Cotton piece goods. John P. King Manufacturing Co. R R. 156,573; renewed June 27. 1942.
Cotton piece goods. Massachusetts Cotton Mills. 156,892; renewed July 18, 1942.
Edgings and ribbons, Lace and embroidery. Lasher's Silk Manufacturing Co. 394,136; Mar. 17.
Fabrics in the piece, Woven textile. Bernhard Ulmann Co. 152,525; renewed Feb. 28, 1942.
Rayon piece goods, Spun. Cantor-Greenspan Co. 394,135; Mar. 17.

CLASS 44

Arch cushions, heel cushions, heel levelers, etc. Kleistone Rubber Co. 394,124; Mar. 17; Serial No. 448,973; published Jan. 6, 1942.
Dentures and plastic material for making same. A. F. Stamm. 394,114; Mar. 17; Serial No. 448,624; published Jan. 6, 1942.
Heating pads and electric sun lamps, Electric. Knapp-Monarch Company. 394,039; Mar. 17; Serial No. 443,331; published Jan. 6, 1942.
Plastic material for the construction of crowns, inlays, and bridges. L. D. Caulk Company. 394,101; Mar. 17; Serial No. 448,493; published Jan. 6, 1942.
Respiration-testing and gas-administration apparatus. E. I. McKesson. 153,237; renewed Mar. 14, 1942.

CLASS 45

Beverages, syrups and extracts. Coffee-Cool Bottling Co. 394,131; Mar. 17.
Grape juice. Tea Garden Products Co. 394,104; Mar. 17; Serial No. 448,536; published Jan. 6, 1942.
Sirups for soft drinks and soda fountain use. Devoine Candy Company. 152,385; renewed Feb. 28, 1942.

CLASS 46

Bakery products. National Biscuit Company. 394,028; Mar. 17; Serial No. 439,121; published Dec. 23, 1941.
Bread. Huval Baking Company. 394,083; Mar. 17; Serial No. 447,943; published Jan. 6, 1942.
Cakes. Alphonse Roart, Inc. 394,091; Mar. 17; Serial No. 448,171; published Jan. 6, 1942.
Canned foods. Fruitvale Canning Company. 394,106; Mar. 17; Serial No. 448,556; published Jan. 6, 1942.
Canned tuna. Westgate Sea Products Co. 394,130; Mar. 17.
Catsup, peanut butter, olives, etc. Tolerton & Warfield Company. 394,024; Mar. 17; Serial No. 436,744; published Jan. 6, 1942.
Cereals, Breakfast. Hecker Products Corporation. 394,094–5; Mar. 17; Serial Nos. 448,292–3; published Jan. 6, 1942.
Eggs. Carnation Company. 394,055; Mar. 17; Serial No. 447,011; published Jan. 6, 1942.
Flour, Wheat. Christiansburg Canning Co. 394,031; Mar. 17; Serial No. 440,114; published June 3, 1941.
Food composition. E. A. White. 394,020; Mar. 17; Serial No. 435,102; published Dec. 31, 1940.
Foods, and stock, dairy, etc., feeds, Dog and poultry. McLaughlin, Ward & Company. 394,025; Mar. 17; Serial No. 437,448; published Jan. 6, 1942.
Fruit, Fresh citrus. Haines City Citrus Growers Association. 394,090; Mar. 17; Serial No. 448,137; published Jan. 6, 1942.
Fruits, Fresh citrus. Chase & Chase. 152,709; renewed Mar. 7, 1942.
Fruits, Fresh citrus. Lake Wales Citrus Growers Association. 155,744; renewed June 6, 1942.
Gelatines and gelatine desserts. Kosher Desserts, Inc. 394,054; Mar. 17; Serial No. 446,881; published Jan. 6, 1942.
Milk, Evaporated. Dairyland Co-Operative Association. 394,102; Mar. 17; Serial No. 448,499; published Jan. 6, 1942.
Pudding powder, ice cream, fruit ices, etc. Schokoladenfabrik Mauxion m. b. H. 394,016; Mar. 17; Serial No. 389,479; published Nov. 25, 1941.
Salt. Worcester Salt Co. 157,406; renewed Aug. 1, 1942.

CLASS 47

Sake, Bottled. Fuji Sake Brewing Company. 394,046; Mar. 17; Serial No. 445,574; published Dec. 30, 1941.
Vermouth, champagne, and wines. B. Cribari & Sons. 394,056; Mar. 17; Serial No. 447,059; published Dec. 16, 1941.
Wines. Brookside Distilling Products Corporation. 394,073; Mar. 17; Serial No. 447,794; published Dec. 30, 1941.
Wines. E. & J. Gallo Winery. 394,057; Mar. 17; Serial No. 447,100; published Dec. 23, 1941.
Wines. Southland Wine Corporation. 394,132; Mar. 17.

CLASS 48

Material brewed from malt and hops for making malt beverage. New England Brewing Company. 157,551; renewed Aug. 8, 1942.

CLASS 49

Liquor, Distilled alcoholic. Ste Pierre Smirnoff Fls, Inc. 394,058; Mar. 17; Serial No. 447,118; published Dec. 23, 1941.
Liquors, Distilled alcoholic. Ronrico Corporation. 394,109–10; Mar. 17; Serial Nos. 448,583–4; published Jan. 6, 1942.
Liquors specifically pisco, Distilled alcoholic. Benegas Hermanos y Compañia Limitada Sociedad Anónima Industrial y Comercial. 394,049; Mar. 17; Serial No. 445,914; published Dec. 30, 1941.
Whiskey. Jack Daniel Distillery. 394,017; Mar. 17; Serial No. 429,345; published Mar. 11, 1941.
Whiskey. Jack Daniel Distillery. 394,018; Mar. 17; Serial No. 429,602; published July 2, 1940.

CLASS 50

Novelties, metal specialties, and advertising displays, etc., Wood fiber. Protectoseal Company of America, Inc. 394,023; Mar. 17; Serial No. 436,628; published Jan. 6, 1942.
Paper luncheon sets. Sanitary Products Corporation of America. 157,199; renewed July 25, 1942.
Plastic material, Transparent organic. Polaroid Corporation. 394,030; Mar. 17; Serial No. 439,555; published Jan. 6, 1942.
Tinsel, Metallic. Phelps Tinsel Company. 394,138; Mar. 17.
Waterproof fabrics in the piece, Rubberized. Rubber Fabrics Corporation. 394,080; Mar. 17; Serial No. 447,851; published Jan. 6, 1942.

LIST OF PLANT PATENTEES

Kirkman Corporation. (See Kirkman, William T., Jr., assignor.)
Kirkman, William T., Jr., assignor to Kirkman Corporation, Tracy, Calif. Peach. 506; Mar. 17.
Wiser, Ray B., near Gridley, Calif. Peach tree. 507; Mar. 17.

LIST OF DESIGN PATENTEES

Aske, Charles B., Duluth, Minn. Clock case. 131,635; Mar. 17.
Asteroff, Leah, New York, N. Y. Dress. 131,645; Mar. 17.
Asteroff, Leah, New York, N. Y. Dress. 131,646; Mar. 17.
Babl, Hattie M., Detroit, Mich. Plaque or similar article. 131,615; Mar. 17.
Balfour, L. G., Company. (See Rowan, William R., assignor.)
Berkowitz, Samuel, New York, N. Y. Dress. 131,664; Mar. 17.
Black and Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Container for perfume bottle or similar article. 131,665; Mar. 17.
Clements, David T., U. S. Army, Arlington, Va. Portable container for liquids. 131,616; Mar. 17.
Cutler, Elizabeth, New York, N. Y. Dress. 131,655; Mar. 17.
Decker, Alonzo G., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Portable power tool unit. 131,656; Mar. 17.
Decker, Alonzo G., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Portable electric screw driver unit. 131,657; Mar. 17.
Decker, Alonzo G., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Portable power driven screw driver unit. 131,658; Mar. 17.
Decker, Alonzo G., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Portable power tool unit. 131,659; Mar. 17.
Edelman, Irving, Brooklyn, N. Y. Electric iron or similar article. 131,647; Mar. 17.
Elder, John W., Middletown, Ohio. Wrapping paper. 131,666; Mar. 17.
Electro-Technical Products, Inc. (See Klinke, Alice, assignor.)
Ellwood, Sheldon B., Studio City, and R. E. Pettit, Jr., Hollywood, Calif. Gauge. 131,626; Mar. 17.
Evalenko, Anne. (See Holmstock, B. S., and Evalenko.)
Evans, Powell, Haverford, H. P. Jarden, Philadelphia, and G. E. Schmunk, Croydon, Pa., assignors to said P. Evans. Fire extinguisher. 131,636; Mar. 17.
Faulconer, Mary F., New York, N. Y. Textile fabric. 131,648; Mar. 17.
Fuller Brush Company, The. (See Rowland, Clarence G., assignor.)
Funk, Truman B., assignor to Yard-Man, Inc., Jackson, Mich. Lawn mower handle cross piece. 131,667; Mar. 17.
Galter, Jack. (See Lawrence, George L., assignor.)
Gavin, Earl S., Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio. Letter tray. 131,649; Mar. 17.
Giordano, Mildred, New York, N. Y. Dress. 131,650; Mar. 17.
Glenshaw Glass Company. (See Meyer, Albert C., assignor.)
Globe-Wernicke Company, The. (See Gavin, Earl S., assignor.)
Glueck, Major A., Kansas City, Mo. Bottle. 131,668; Mar. 17.
H. M. H. Company. (See Randall, Horace, assignor.)
Hammer, Otto, Whittier, Calif. Game board. 131,627; Mar. 17.
Heinmuller, John P. V., Katonah, assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y. Combined dial and hands for a watch or similar article. 131,628; Mar. 17.
Hewson, Isabel M., New York, N. Y. Shopping bag or the like. 131,651; Mar. 17.
Hollingshead, Walter E., York, Pa. Gauge or similar article. 131,640; Mar. 17.
Holmstock, Boris S., and A. Evalenko, New York, N. Y. Badge or similar article. 131,662; Mar. 17.
Horwig, Albert, New York, N. Y. Brooch or similar article. 131,652; Mar. 17.
Jacoby, Daniel, New York, N. Y. Figure box. 131,617; Mar. 17.
Jarden, Howard P. (See Evans, P., Jarden, and Schmunk.)
Julianelli, Charles A. (See Julianelli, M. and C. A.)
Julianelli, Mabel and C. A., New York, N. Y. Shoe. 131,629; Mar. 17.
Kisling, William L., St. Louis, Mo. Pedestal fan. 131,669; Mar. 17.
Klinke, Alice, New York, N. Y., assignor to Electro-Technical Products, Inc., Nutley, N. J. Textile fabric. 131,630; Mar. 17.
Kono, Alexander. (See Smith, Edward W., Jr., assignor.)
Kono Manufacturing Company. (See Smith, Edward W., Jr.)
Kriegsfeld, Louis, Jersey City, N. J. Ejector spring for a cigarette dispenser. 131,618; Mar. 17.
Lawrence, George L., Peru, Ind., assignor, by mesne assignments, to J. Galter, Chicago, Ill. Camera. 131,631; Mar. 17.
Lehmann, Adolph, New York, N. Y. Knitted textile fabric. 131,663; Mar. 17.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Longines-Wittnauer Watch Co. Inc. (See Heinmuller, John P. V., assignor.)
Marchand, Adolph, Jackson Heights, N. Y. Cabinet door. 131,638; Mar. 17.
May, Helen, Garden City, N. Y. Dress. 131,660; Mar. 17.
Meyer, Albert C., assignor to Glenshaw Glass Company, Glenshaw, Pa. Glass bottle. 131,619; Mar. 17.
Miller, Gustave, New Haven, Conn. Jewelry finding or similar article. 131,620; Mar. 17.
Morré, Antoinette, New York, N. Y. Deck of cards. 131,632; Mar. 17.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article 131,670; Mar. 17.
Pettit, Ralph E., Jr. (See Ellwood, S. B., and Pettit.)
Randall, Horace, assignor to H. M. H. Company, Pawtucket, R. I. Rosary bead. 131,621; Mar. 17.
Roberson, Willard D., New York, N. Y. Textile fabric. 131,633; Mar. 17.
Rowan, William R., North Attleboro, Mass., assignor to L. G. Balfour Company. Finger ring or similar article. 131,622; Mar. 17.
Rowland, Clarence G., North Newington, assignor to The Fuller Brush Company, Hartford, Conn. Dabbing brush. 131,653; Mar. 17.
Schmunk, George W. (See Evans, P., Jarden, and Schmunk.)
Schwartz, Jerome M., New York, N. Y. Child's cape 131,641; Mar. 17.
Slepin, William, Philadelphia, Pa. Dress ensemble 131,642; Mar. 17.
Slepin, William, Philadelphia, Pa. Dress ensemble. 131,643; Mar. 17.
Smith, Edward W., Jr., Flushing, assignor to Alexander Kono, Maspeth, doing business under the name of Kono Manufacturing Company, Woodside, Long Island, N. Y. Pair of spectacles. 131,671; Mar. 17.
Smuland, Raymond S., Duluth, Minn. Reflector-equipped life preserver. 131,637; Mar. 17.
Tackaberry, John A., East Port Chester, Conn. Crutch stand. 131,623; Mar. 17.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Villeneuve, Eugene S., Detroit, Mich. Game board. 131,634; Mar. 17.
Von Pantz, Kurt F., Kansas City, Mo. Jewelry finding. 131,661; Mar. 17.
Vrchota, Oliver F., Indianapolis, Ind. Combination spring cover repacker and leaf spring lubricator. 131,639; Mar. 17.
Warnock, Charles S., Los Angeles, Calif. Ventilator for buildings. 131,654; Mar. 17.
Werthelm, Adolph, Brooklyn, N. Y. Pendant. 131,624; Mar. 17.
Whittaker, Norman A., Seattle, Wash. Ultra-violet shoe sterilizer. 131,644; Mar. 17.
Wright, Mitchell R., Covington, Ga. Combination book and magazine cabinet, radio, lamp, and lamp support. 131,625; Mar. 17.
Yard-Man, Inc. (See Funk, Truman B., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Giles W., assignor to The Dow Chemical Company, Midland, Mich. Catalyst for the synthesis of ammonia. 2,276,679; Mar. 17.

Abrams, Victor R., Maplewood, N. J., assignor to Cardinal Products Inc., New York, N. Y. Lighter. 2,276,278; Mar. 17.

Ackermann, Otto, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shielded protector tube. 2,276,638; Mar. 17.

Ackermann, Otto, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum control system. 2,276,639; Mar. 17.

Aero Engines Limited. (See Halliday, George F., assignor.)

Af Kleen, Erland N., Stockholm, Sweden. Refrigerating apparatus. 2,276,947; Mar. 17.

Af Kleen, Erland N., Stockholm, Sweden. Absorption refrigerating apparatus. 2,276,948; Mar. 17.

Agrillo, Paul, Gilroy, and C. C. Dawson, Oakland, Calif.; said Agrillo assignor to said Dawson. Container carrier. 2,276,756; Mar. 17.

Air Reduction Company. (See Anderson, James L., assignor.)

Air Reduction Company. (See Buchman, M. A., and Horney, assignors.)

Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)

Aktiebolaget Formator. (See Granstedt, Karl Erik, assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Jonas, Julius, assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Prantl, Franz, assignor.)

Albers, Gerhard H. (See Albers, John R. and G. H.)

Albers, John R., Sioux City, and G. H. Albers, Cherokee, assignors to Wincharger Corporation, Sioux City, Iowa. Governor for wind driven propellers. 2,277,011; Mar. 17.

Alfery, Henry F., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety shut-off valve and thermally operated control therefor. 2,276,909; Mar. 17.

Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Phase shifting network. 2,276,910; Mar. 17.

Alford, Maitland W. (See Hill, F. B., and Alford.)

Alford, Maitland W. (See Hill, F. B., Alford, and Jackson.)

Alford, Maitland W., T. Jackson, and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Stretching of textile filaments or threads. 2,276,364; Mar. 17.

Allen, Albert, and H. O. Ehrisman, Sharon, assignors to The Foxboro Company, Foxboro, Mass. Impulse controller. 2,276,448; Mar. 17.

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,276,680; Mar. 17.

Aller, Willis F. (See Poock, L. F., and Aller.)

Allison, Dennis P., Vicksburg, Miss. Dry cleaning. 2,276,681; Mar. 17.

Aluminum Company of America. (See Couchman, Richard, assignor.)

Alward, Francis, Lexington, Mass. Communicating valve. 2,276,911; Mar. 17.

American Box Board Company. (See Bonfield, Emmons W., assignor.)

American Box Board Company. (See Sprague, Clarence B., assignor.)

American Can Company. (See Eberhart, Felix, assignor.)

American Can Company. (See Erb, George C., assignor.)

American Can Company. (See Nordquist, Ronald E. J., assignor.)

American Cyanamid Company. (See Booth, Robert B., assignor.)

American Cyanamid Company. (See Bradley, Theodore F., assignor.)

American Cyanamid Company. (See Wolf, Clayton S., assignor.)

American Lurgi Corporation. (See Jacobi, Hermann, assignor.)

American Lurgi Corporation. (See Steiner, C., and Sterner-Rainer, assignors.)

American MonoRail Company, The. (See Harris, F. C., and Moore, assignors.)

American Oil Tool Company. (See Miller, Leonidas C., assignor.)

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tracer and template-follower apparatus. 2,276,753; Mar. 17.

Andis, Matthew G., Jr., Racine, Wis. Clipper blade set. 2,276,912; Mar. 17.

Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich. Multiple coin receiver. 2,276,449; Mar. 17.

Andrews, Bernard R., Braintree, Mass. Means for shrinking cloth. 2,276,605; Mar. 17.

Angel, John, Detroit, Mich. Rotary cutting device. 2,276,365; Mar. 17.

Ansel, Harry R., Cleveland, Ohio. Antiskid device. 2,276,640; Mar. 17.

Arado Flugzeugwerke Gesellschaft mit Beschrankter Haftung. (See Jürschick, Kürt, assignor.)

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanism for converting motion. 2,276,913; Mar. 17.

Asklund, Sven J. E., Lidingo, Sweden. Radiator control for motor vehicles. 2,276,279; Mar. 17.

Associated Electric Laboratories, Inc. (See Clare, C. P., and Cox, assignors.)

Associated Telephone & Telegraph Company. (See Woodland, C. R., McClew, and Houghton, assignors.)

Atkinson, Burton, Houston, Tex., assignor to Standard Oil Development Company. Fluid sampler and container. 2,276,914; Mar. 17.

Atomic Research & Engineering Company. (See Mulberger, Henry C., assignor.)

Auman, Colon C., assignor of one-half to Larkwood Silk Hosiery Mills, Incorporated, Charlotte, N. C. Cylinder stopping mechanism for dial loopers. 2,276,815; Mar. 17.

Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)

Automatic Devices Corporation. (See Pistey, George J., assignor.)

Automatic Instrument Company. (See Andres, Lloyd J., assignor.)

Autopoint Company. (See Petau, Erik, assignor.)

Avelin-Barford Limited. (See Bramble, William H., assignor.)

Axe, Roy T., Syracuse, and R. B. Nelson, Onondaga, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Fastener. 2,276,915; Mar. 17.

Ayers, Fred L., Watertown, Mass., assignor of one-half to N. Elkin, Philadelphia, Pa. Welt applying machine. 2,276,450; Mar. 17.

Ayres, Arthur U., Chestnut Hill, Pa., and G. H. Hill, Westfield, N. J., assignors to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,276,280; Mar. 17.

Ayres, Arthur U., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,276,682; Mar. 17.

Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)

Babcock & Wilcox Company, The. (See Ebbets, George D., assignor.)

Babcock & Wilcox Company, The. (See Martensson, Maten, assignor.)

Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)

Bachtold, Donald G., et al. (See Stapelfeld, Charles J., assignor.)

Bagno, Samuel J. A. M., New York, N. Y., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Measuring apparatus. 2,276,816; Mar. 17.

Baerenklau, August, Queens Village, N. Y. Repair plug. 2,276,606; Mar. 17.

Bagno, Samuel J. A. M., New York, N. Y., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Strain gauge. 2,276,817; Mar. 17.

Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,276,281; Mar. 17.

Bailey, Walter T., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Apparatus for feeding sheets. 2,276,683; Mar. 17.

Baines, Wilbert J., Pittsburgh, Pa. Laboratory milling machine. 2,276,757; Mar. 17.

Ball, Raymond A., Fort Wayne, Ind. Toothbrush. 2,276,641; Mar. 17.

Balmar Corporation, The. (See Delano, R. P., Jr., assignor.)

Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lubricant compositions. 2,276,453; Mar. 17.

Bantam Bearings Corporation. (See Frauenthal, Harold, assignor.)

Barker, Parrish, Temple City, Calif. Airplane. 2,276,642; Mar. 17.

Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Level winder for cable drum (hydraulic). 2,276,916; Mar. 17.

Barrett, William G., Merrill, Wis. Self-opening switch. 2,276,366; Mar. 17.

Bashore, Quinter E., Covina, Calif. Clamp for attachment to cables. 2,276,559; Mar. 17.

Bates, Harry H., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System for preheating and annealing. 2,276,643; Mar. 17.

Bauer, Erwin, Wuppertal-Elberfeld, Germany, assignor to North American Rayon Corporation, New York, N. Y. Apparatus for variation of denier. 2,276,999; Mar. 17.

Bauer, William J., assignor, by mesne assignments, to M. Melamid, New York, N. Y. Device for rolling the edge of rubber articles. 2,276,367; Mar. 17.

Baule, Gerhard H. J. (See Cooper, J., and Baule.)

Beck, Julius. (See Schneevoigt, A., and Beck.)

Becker, Harry L., Council Grove, Kans. Electric defroster for refrigerators. 2,276,454; Mar. 17.

Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Cathode ray tube apparatus. 2,276,455; Mar. 17.

Behnisch, Robert. (See Mietzsch, F., Behnisch, and Klarer.)

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Bell Telephone Laboratories, Incorporated. (See Fritts, M., and Voos, assignors.)

Bell Telephone Laboratories, Incorporated. (See Kemp, A. R., and Straitiff, assignors.)

Bell Telephone Laboratories, Incorporated. (See Krom, Myron E., assignor.)

Bell Telephone Laboratories, Incorporated. (See McDavitt, Marcellus B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pearson, Gerald L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)

Bell Telephone Laboratories, Incorporated. (See Pullis, George A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Robb, Theodore D., assignor.)

Bell Telephone Laboratories, Incorporated. (See Webber, Carroll A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wilkerson, Jefferson R., assignor.)

Bellg, Charles M., Pitman, N. J., assignor to Owens-Illinois Glass Company. Apparatus for forming metal closures. 2,276,684; Mar. 17.

Bellows, Brian C., Jr., Orange, N. J., assignor to General Electric Company. Electrical connecting device. 2,276,818; Mar. 17.

Bender, Roy M., La Canada, Calif. Die for making interlocking bricks. 2,276,456; Mar. 17.

Benedek, Elek K., Cleveland, Ohio, assignor, by mesne assignments, to Midland Machine Corporation. Lubrication of radial pumps or motors. 2,276,368; Mar. 17.

Benjamin, Louis, M., and B., Brooklyn, N. Y. Smoking pipe. 2,276,266; Mar. 17.

Benjamin, Max. (See Benjamin, Louis, M., and B.)

Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)

Benner, Roland G. (See Henke, C. O., and Benner.)

Bennett, Maurice D. (See Potter, R. S., and Bennett.)

Bennett, William G., Epsom, England, assignor to Standard Brands Incorporated, New York, N. Y. Manufacture of yeast and other like microorganisms. 2,276,710; Mar. 17.

Bergevin, Charles R. (See Halvorsen, E. W., and Bergevin.)

Berkey, William E. (See Ludwig, L. R., Johnson, and Berkey.)

Bernhardt, Charles H. (See Cleveland, A. B., Bernhardt, Douglas, and Haag.)

Bernhardt, Rudolph, Chicago, Ill. Server or pitcher. 2,276,917; Mar. 17.

Bethlehem Steel Company. (See Welty, Earl P., assignor.)

Bienert, Berthold, Leverkusen-Wiesdorf, and H. Thielert, Cologne-Merheim, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the phthalocyanine series. 2,276,918; Mar. 17.

Bigelow-Sanford Carpet Co., Inc. (See Russell, Arthur G., assignor.)

Bilde, Tord E. D., Ulvsunda, Sweden, assignor to Bolinders Fabriks Aktiebolag. Container. 2,276,711; Mar. 17.

Bindszus, William, Rutherford, N. J. Razor blade wrapping machine. 2,276,282; Mar. 17.

Bingley, Frank James, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Synchronizing system. 2,277,000; Mar. 17.

Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Process and apparatus for carrying out chemical process. 2,276,560; Mar. 17.

Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,276,644; Mar. 17.

Bloss, Richard R., assignor to The International Derrick & Equipment Company of Texas, Beaumont, Tex. Rotary drilling machine. 2,276,561; Mar. 17.

Blount, Fred, Belper, England. Sock. 2,277,012; Mar. 17.

Bock, George E., New York, N. Y. Baseball game apparatus. 2,276,457; Mar. 17.

Boecking, Ewald. (See Kindlemann, A., and Boecking.)

Boehmer, Alexander H., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Aligning fixture. 2,276,819; Mar. 17.

Boeing Aircraft Company. (See Cooper, J. B., and Price, assignors.)

Boettner, Joseph L., Oak Park, assignor to Universal Form Clamp Co., Chicago, Ill. Wall spacer for concrete forms. 2,276,458; Mar. 17.

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Assembling means for brake shoe retracting springs. 2,276,283; Mar. 17.

Bolinders Fabriks Aktiebolag. (See Bilde, Tord E. D., assignor.)

Bonanno, Joseph L., Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad. 2,276,645; Mar. 17.

Bonfield, Emmons W., assignor to American Box Board Company, Grand Rapids, Mich. Container. 2,276,820; Mar. 17.

Boor, Francis H., Lafayette, Ind., assignor to Fairfield Manufacturing Company. Differential mechanism. 2,276,821; Mar. 17.

Booth, Robert B., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Separation of ore materials. 2,277,010; Mar. 17.

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Boswau, Hans P., Lorain, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Supervisory control system. 2,276,646; Mar. 17.

Boucher, Rose A., administratrix. (See Boucher, Thomas T.)

Boucher, Thomas T., deceased, by R. A. Boucher, administratrix, Norwich, Conn. Picker check. 2,276,712; Mar. 17.

Bowman, Kenneth K., and M. A. Edwards, Scotia, N. Y., assignors to General Electric Company. Temperature control system. 2,276,822; Mar. 17.

Boylan, Frank. (See Howell, E. N., and Boylan.)

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Homogeneous alcoholic solutions containing resins. 2,276,267; Mar. 17.

Brady, Raymond F., Merchantville, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,276,459; Mar. 17.

Bramble, William H., assignor to Aveling-Barford Limited, Grantham, England. Road rolier. 2,276,713; Mar. 17.

Brassel, Ernst, and E. Münger, assignors to Knorr-Nährmittel Aktiengesellschaft, Thayngen, Switzerland. Method of and means for tying knots. 2,276,919; Mar. 17.

Brewer, Pearl H. (See Kraybill, H. R., Brewer, and Thornton.)

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Bright, Elvin M., Dayton, assignor to J. M. Wallace, Cincinnati, Ohio, as trustee. Coating porous articles. 2,276,685; Mar. 17.

Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Making cellulose ethers. 2,276,460; Mar. 17.

Bromley, Thomas C., and A. Shortland, Leicester, T. A. M. Hill, Sutton Bonington, and H. Hooper, Woodthorpe, England. Knitted fabric and the method of making same. 2,276,920; Mar. 17.

Broquinda, Inc. (See Quinn, Clara E., assignor.)

Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Inseam trimming machine. 2,276,461; Mar. 17.

Brown, Harry F., Detroit, Mich. Boring chuck. 2,276,462; Mar. 17.

Brown Instrument Company, The. (See Moore, Coleman B., assignor.)

Brown, Louie A., Pharr, Tex. Fluid motor. 2,276,714; Mar. 17.

Brown, Ralph L., Bala-Cynwyd, Pa., assignor to The Solvay Process Company, New York, N. Y. Process for the regeneration of catalysts. 2,276,921; Mar. 17.

Brownell Company, The. (See Haag, Walter J., assignor.)

Brueche, Ernst, Berlin-Reinickendorf, and A. Recknagel, Berlin, Germany, assignors to General Electric Company. Electronic beam deflection circuits. 2,276,758; Mar. 17.

Bruno Patents Inc. (See Bruno, William A., assignor.)

Bruno, William A., Astoria, Long Island, assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y. Remote control. 2,276,607; Mar. 17.

Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,276,369; Mar. 17.

Bucher, Armin. (See Stocker, R., and Bucher.)

Buchman, Morton A., Cleveland Heights, and A. G. Horney, East Cleveland, Ohio, assignors, by mesne assignments, to Air Reduction Company, Incorporated. Purification of cyclopropane. 2,276,922; Mar. 17.

Bucknam, James H. (See Miller, A. J., Bucknam, and Weidner.)

Bucknam, James H., Cranford, and A. J. Miller, Garwood, N. J., assignors to The Linde Air Products Company. Billet conditioning apparatus. 2,276,759; Mar. 17.

Buckwalter, Laura. (See Taylor, F. B., and Buckwalter.)

Buffalo Electro-Chemical Company. (See Kauffmann, H. O., Margulies, and Ryan, assignors.)

Bügge, Günther, Neu-Isenburg, Germany. Production of woven fabrics. 2,276,608; Mar. 17.

Burgess Battery Company. (See Norris, Ralph F., assignor.)

Burka, Samuel M., Dayton, Ohio, and C. J. Crane, Montgomery, Ala. Drift meter. 2,276,284; Mar. 17.

Burka, Samuel M., Dayton, and G. V. Holloman, Fairfield, Ohio. Pilots' drift meter and bomb sight. 2,276,285; Mar. 17.

Burleigh, Arthur C., Wellesley, Mass. Abrading machine. 2,276,534; Mar. 17.

Burnett, William, Jr. (See Peltier, M. F., Burnett, Jr., and Lee.)

Burr, Gordon A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser device. 2,276,923; Mar. 17.

Buxton, Incorporated. (See Buxton, Warner R., assignor.)

Buxton, Mabel A., as executrix. (See Buxton, Warner R.)

Buxton, Warner R., deceased; M. A. Buxton, Longmeadow, Mass., executrix, assignor to Buxton, Incorporated. Refillable memorandum pad. 2,276,463; Mar. 17.

Buzzard, Robert W., Kensington, Md. Treating protective coatings on magnesium and its alloys. 2,276,286; Mar. 17.

Cadous, Esther, Brooklyn, N. Y. Uniform. 2,276,609; Mar. 17.

Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bonding apparatus. 2,276,823; Mar. 17.

Calcium Carbonate Company. (See McHan, Brack B., assignor.)

Campbell, Bowen, Des Moines, Iowa. Portable drier. 2,276,715; Mar. 17.

Capps, Frank L., New York, N. Y. Sound recording stylus. 2,276,562; Mar. 17.

Caputo, James V., Crafton, Pa. Welding. 2,276,924; Mar. 17.

Caputo, James V., Crafton, Pa. Welding electrode. 2,276,925; Mar. 17.

Carbide and Carbon Chemicals Corporation. (See Harshberger, Norman P., assignor.)

Carbondale Grate-Bar Company. (See Johnson, Roy, and J., assignors.)

Carbonel, Mariano E., Philadelphia, Pa. Hair curler. 2,276,760; Mar. 17.

Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)

Carden, Dalton, Mount Harris, Colo. Shaking conveyer. 2,276,926; Mar. 17.

Cardinal Products, Inc. (See Abrams, Victor R., assignor.)

Cardona, Carlos J., Los Angeles, Calif. Venetian blind. 2,276,716; Mar. 17.

Carey, Windham F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Apparatus for the classification of material. 2,276,761; Mar. 17.

Carlson, Chester F., Jackson Heights, N. Y. Electric recording and transmission of pictures. 2,277,013; Mar. 17.

Carlson, Noble G., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bonding apparatus. 2,277,014; Mar. 17.

Carnegie Institute of Technology. (See Mayers, Martin A., assignor.)

Carruthers, Eben H., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Combined pump and centrifugal separator. 2,276,824; Mar. 17.

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Celanese Corporation of America. (See Alford, M. W., Jackson, and Hill, assignors.)

Celanese Corporation of America. (See Hill, F. B., Alford, and Jackson, assignors.)

Celanese Corporation of America. (See Hill, F. B., Maitland, and Alford, assignors.)

Celotex Corporation, The. (See Colpitts, Walter W., assignor.)

Chandler, Henry T., assignor to Vanadium Corporation of America, New York, N. Y. Production of cast iron. 2,276,287; Mar. 17.

Chaney, Newcomb K., Moylan, Pa., assignor to The United Gas Improvement Company. Production of valuable hydrocarbons. 2,276,288; Mar. 17.

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Adjustable nozzle extension for arc welding heads. 2,276,825; Mar. 17.

Chaussures Unic-Usines Fenestrier Société Anonyme. (See Chevalier, Henri, assignor.)

Chevalier, Henri, assignor to Chaussures Unic-Usines Fenestrier Société Anonyme, Romans, Drôme, France. Welt footwear. 2,276,686; Mar. 17.

Chicago Telephone Supply Company. (See Schellenberger, Newton C., assignor.)

Chilton, Allan. (See Hill, H. C., Wolf, and Chilton.)

Christen, Fernand, Bern, Switzerland. Fluid pressure braking system and valve mechanism relating thereto. 2,276,927; Mar. 17.

Christoph, Edward A., Chicago, Ill. Cutting tool and holder. 2,276,928; Mar. 17.

Church, M. I. (See Staplefeld, Charles J., assignor.)

Church, Walter L., Houston, assignor of one-half to W. K. Holleron, Victoria County, Tex. Valve assembly. 2,276,929; Mar. 17.

Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., Fischer, Scholz, and Wettstein, assignors.)

Ciba Pharmaceutical Products, Incorporated. (See Ruzicka, Leopold, assignor.)

Clare, Carl P., Park Ridge, Ill., and I. W. Cox, Milwaukee, Wis., assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Control device. 2,276,535; Mar. 17.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oven heating system. 2,276,930; Mar. 17.

Clark, Harold W., assignor to The McCaskey Register Company, Alliance, Ohio. Calculating machine. 2,276,464; Mar. 17.

Clark, J. R., Company, The. (See John, Edward T., assignor.)

Clauberg, Herman P., Hasbrouck Heights, N. J., assignor to R. Hoe & Co., New York, N. Y. Registering mechanism for printing machines. 2,276,465; Mar. 17.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar machine filler feed. 2,276,289; Mar. 17.

Clerici, Charles A., assignor to Eisele & Co., Nashville, Tenn. Hypodermic syringe. 2,276,610; Mar. 17.

Cleveland, Arch B., and C. H. Bernhardt, Los Angeles, A. W. Douglas, Lynwood, and E. G. Haag, Los Angeles, Calif.; said Bernhardt, said Douglas, and said Haag assignors to said Cleveland. Tire repairing apparatus. 2,276,687; Mar. 17.

Cleveland, Ephraim W., Berea, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Landing wheel mounting for aircraft. 2,276,466; Mar. 17.

Cleveland Pneumatic Tool Company, The. (See Cleveland, Ephraim W., assignor.)

Cleveland Pneumatic Tool Company. (See Lear, Earl B., assignor.)

Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)

Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Steam trap. 2,276,931; Mar. 17.

Codebecq, Charles, Valleyfield, Quebec, Canada. Efficiency indicating means for motor vehicles. 2,276,717; Mar. 17.

Cole, C. C. (See Kennedy, G., and Cole.)

Coleman, Clyde, Montclair, N. J., assignor to United States Rubber Company, New York, N. Y. Treatment or rubber. 2,276,932; Mar. 17.

Collings, William R. (See Gibb, D. L., and Collings.)

Collom, Cletus J., assignor to Weltronic Corporation, Detroit, Mich. Radio apparatus. 2,276,933; Mar. 17.

Colombi, Charles, and L. Monney, Lausanne, assignors to the firm Recomatic S. A., Geneva, Switzerland. Combustion heating installation. 2,276,934; Mar. 17.

Colonial Broach Company. (See Gotberg, Harry H., assignor.)

Colpitts, Walter W., Princeton, N. J., assignor to The Celotex Corporation, Chicago, Ill. Construction unit. 2,276,763; Mar. 17.

Combustion Engineering Company, Inc. (See Kreisinger, Henry, assignor.)

Como, Hugh H., Babylon, N. Y. Aerial device for automobiles. 2,276,935; Mar. 17.

Conn, C. G., Ltd. (See Jeffries, Leroy J., assignor.)

Connolly, Edward J. (See Esselburn, A. L., and Connolly.)

Connor, Kirke W., assignor to Micromatic Hone Corporation, Detroit, Mich. Honing device. 2,276,611; Mar. 17.

Conrad, Alfred, assignor of one-half to J. Rose, Berlin, Germany. Illuminating device for portable receptacles. 2,276,370; Mar. 17.

Conrad, Frank, E. D. Wilson, and C. C. Hein, Wilkinsburg, and F. T. Hague, Drexel Hill, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacture of copper-oxide rectifiers. 2,276,647; Mar. 17.

Consolidated Engineering Corporation. (See Hoover, H., Jr., and Schaefer, assignors.)

Consolidated Engineering Corporation. (See Peterson, Raymond A., assignor.)

Consolidated Outdoor Display Company. (See Feist, H. J., and Feist, assignors.)

Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England. Elastic fluid turbine. 2,276,563; Mar. 17.

Cooley, Austin G., Hudson View Gardens, assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y. Composite electric motor. 2,276,936; Mar. 17.

Cooper, James B., and N. C. Price, assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Surge relief means for conduits. 2,276,371; Mar. 17.

Cooper, James, Solvay, and G. H. J. Baule, Syracuse, assignors to Hall McChesney, Inc., Syracuse, N. Y. Cover construction for loose-leaf binders. 2,276,536; Mar. 17.

Cordova, Arturo, Banes, Cuba. Refrigerator. 2,276,937; Mar. 17.

Cotta, Charles, Rockford, Ill. Governor. 2,276,467; Mar. 17.

Couchman, Richard, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Extrusion die. 2,276,468; Mar. 17.

Courtney, Gerald, Hollywood, Calif. Glamor glasses. 2,276,372; Mar. 17.

Cox, Irving W. (See Clare, C. P., and Cox.)

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Trimethylolnitromethane, method of purification. 2,276,564; Mar. 17.

Cox, Rowland W., Bushey, England. Adjustable vehicle seat frame. 2,276,373; Mar. 17.

Crane, Carl J. (See Burka, S. M., and Crane.)

Creveling, John L., near Tucson, Ariz. Electric switch. 2,276,537; Mar. 17.

Crompton & Knowles Loom Works. (See Palmer, Albert, assignor.)

Crosby, Harold M., Flushing, assignor to News Syndicate Co. Inc., New York, N. Y. Method for producing halftone reproductions. 2,276,718; Mar. 17.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Limiting amplifier. 2,276,565; Mar. 17.

Crouch, Allen B. (See Zwickl, Joseph R.)

Crowther, Frederick D., Scotia, N. Y., assignor to General Electric Company. Magnetic ski harness. 2,276,826; Mar. 17.

Culbertson, William L., assignor of one-half to R. J. Read, Worland, Wyo. Beehive device. 2,276,938; Mar. 17.

Cummings, Roy W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Finishing wheel. 2,276,469; Mar. 17.

Cummins, Corliss F. (See Sherk, J. L., and Cummins.)

Curran, John, Cardiff, Wales. Treatment with liquids of metal articles, especially plates. 2,276,566; Mar. 17.

Curtiss-Wright Corporation. (See Hathorn, Charles E., assignor.)

Cypser, Hugo F. (See Pool, Clark, and Cypser.)

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Resinous reaction products of aliphatic aldehydes and nitrogen-containing methylene compounds. 2,276,828; Mar. 17.

Damonte, John P., New Orleans, La. Pump. 2,276,827; Mar. 17.

Daudelin, Joseph N., St-Hyacinthe, Quebec, Canada. Cigarette-making device. 2,276,719; Mar. 17.

Davis, Kenneth W., Fort Worth, Tex. Lubricated piston valve. 2,276,939; Mar. 17.

Davidson, Charles R., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,276,764; Mar. 17.

Dawson, Clifford C. (See Agrillo, P., and Dawson.)

De Gree, Susie H., Granite Falls, Minn. Shoe bag. 2,276,765; Mar. 17.

Deimel, Albert H. (See Peterson, C. D., and Deimel.)

Delamere Company. (See Huppert, William, assignor.)

Delano, Raymond P., Jr., Catonsville, assignor to The Balmar Corporation, Baltimore, Md. Valve motion mechanism for fluid pressure engines. 2,276,290; Mar. 17.

Dellinger Manufacturing Company. (See Dellinger, P. C., and Sensenig, assignors.)

Dellinger, Paul C., and M. L. Sensenig, assignors to Dellinger Manufacturing Company, Lancaster, Pa. Combined grinding and bagging mill. 2,276,940; Mar. 17.

Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Straightening machine. 2,276,941; Mar. 17.

Delphos Bending Company, The. (See Peltier, Leslie, assignor.)

De Martino, Nicola. (See Riparbelli, C., and De Martino.)

Dennison Manufacturing Company. (See Flood, Carl A., assignor.)

Dentists' Supply Company of New York, The. (See Pusey, George T., Jr., assignor.)

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Operating mechanism for fluorescent lamps. 2,276,829; Mar. 17.

Derman, Harry, Laurelton, Long Island, N. Y. Collapsible drawer. 2,276,374; Mar. 17.

Derman, Harry, Laurelton, N. Y. Collapsible cabinet. 2,276,375; Mar. 17.

Detroit Lubricator Company. (See Russel, Philip S., assignor.)

Deubel, Carl G., Colonial Park, Pa., assignor to Progressive Service Company, St. Louis, Mo. Clicker die stock. 2,276,376; Mar. 17.

De Witt, Stanley R., Maynard, Mass. Pocket first-aid kit. 2,276,766; Mar. 17.

Dewoitine, Emile J. E., Neuilly-sur-Seine, France. Control device for ailerons and flaps. 2,276,688; Mar. 17.

Dibble, Willis B., Detroit, Mich. Refrigerator shelf construction. 2,276,942; Mar. 17.

Distillers Company Limited, The. (See Stanley, H. M., and Eaglesfield, assignors.)

Dixie-Vortex Company. (See Hahn, Richard F., assignor.)

Dixie-Vortex Company. (See Labombarde, Harold S., assignor.)

Dodelin, Emil A., Moorestown, N. J., assignor to Radio Corporation of America. Self-holding screw driver. 2,276,470; Mar. 17.

Dodson, Harry L. (See Ruths, Robert J.)

Dombrow, Bernard A. (See Wechsler, R., and Dombrow.)

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Oscillation generator. 2,276,832; Mar. 17.

Dominion Corrugated Paper Company Limited. (See Plewes, D. H., and Fox, assignors.)

Donaldson, Alice, New York, N. Y. Decorative panel. 2,276,567; Mar. 17.

Donlon, Walter J., Oriskany, N. Y. Seal cutter for bottles. 2,276,268; Mar. 17.

Donnelly, R. R., & Sons Company. (See Trotter, Henry R., assignor.)

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Safety diaphragm. 2,276,830; Mar. 17.

Dornier Werke G. m. b. H. (See Staufer, Franz, assignor.)

Douglas, Arthur W. (See Cleveland, A. B., Bernhardt, Douglas, and Haag.)

Douglas, Louis M. (See Cook, S. S., and Douglas.)

Dow Chemical Company, The. (See Abbott, Giles W., assignor.)

Dow Chemical Company, The. (See Britton, E. C., and Le Fevre, assignors.)

Dow Chemical Company, The. (See Gibb, D. L., and Collings, assignors.)

Dow Chemical Company, The. (See Gibb, Donald L. assignor.)

Dow Chemical Company, The. (See Heath, Sheldon B., assignor.)

Dow Chemical Company, The. (See Sherk, J. L., and Cummins, assignors.)

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner floor mop. 2,276,943; Mar. 17.

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner floor mop. 2,276,944; Mar. 17.

Downey, Bert F. (See Watson, Oliver, assignor.)

Drackett Company, The. (See Frazier, Charles H., assignor.)

Droll, Joseph W., assignor to J. W. Droll Company, Chicago, Ill. Tufting machine. 2,276,831; Mar. 17.

Droll, J. W., Company. (See Droll, Joseph W., assignor.)

Dubuque, Charles, Newark, N. J., assignor to G. G. Morin, Holyoke, Mass. Safety pulley block. 2,276,767; Mar. 17.

Dudley, Edward F., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet delivery mechanism. 2,276,269; Mar. 17.

Duffek, Joseph, Gloversville, N. Y. Clothespin. 2,276,377; Mar. 17.

Duguay, Leo E., Truro, Nova Scotia, Canada. Flasher switch. 2,276,378; Mar. 17.

Du Pont, E. I., de Nemours & Company. (See English, M. H., and Nydegger, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hanford, W. E., and Stevenson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Benner, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hershberger, Albert, assignor.)

Du Pont, E. I., de Nemours & Company. (See Kirk, Joseph S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Vaala, Gordon T., assignor.)

Durant, Lyndon A. (See Williams, H. E., and Durant.)

Duro Chrome Corporation. (See Michelson, Lawrence M., assignor.)

Eaglesfield, Philip. (See Stanley, H. M., and Eaglesfield.)

Eastman Kodak Company. (See Lowe, Wesley G., assignor.)

Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)

Ebbets, George D., Kenilworth, assignor to The Babcock & Wilcox Company, Newark, N. J. Vapor generator. 2,276,291; Mar. 17.

Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Method of conveying and treating metallic sheets. 2,276,471; Mar. 17.

Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Method of conveying metallic sheets. 2,276,472; Mar. 17.

Edison General Electric Appliance Company, Inc. (See Stoddard, Edgar S., assignor.)

Edwards, Martin A. (See Bowman, K. K., and Edwards.)

Edwards, O. M., Company, The. (See Axe, R. T., and Nelson.)

Ehrich, Donn G., South Bend, Ind. Adjustable holding device. 2,276,945; Mar. 17.

Ehrisman, Henry O. (See Allen, A., and Ehrisman.)

Eisele & Co. (See Clerici, Charles A., assignor.)

Electric Railway Improvement Company, The. (See Cadwell, Charles A., assignor.)
Electric Railway Improvement Company, The. (See Carlson, Noble G., assignor.)
Elkin, Newton. (See Ayers, Fred L., assignor.)
Elliotts & Australian Drug Pty. Limited. (See Ross, Colin W., assignor.)
Ellis, Miriam S., Los Angeles, Calif. Face guard for infants. 2,276,612; Mar. 17.
Else, Harry D., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Centrifugal washing chuck. 2,276,946; Mar. 17.
Engleman, John H., Waterloo, Iowa. Journal box liner. 2,276,379; Mar. 17.
English, Myrle H., Pompton Lakes, N. J., and R. R. Nydegger, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting initiator. 2,276,380; Mar. 17.
Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Container. 2,276,292; Mar. 17.
Erickson, Charles A., assignor to United Specialties Company, Chicago, Ill. Pump. 2,276,568; Mar. 17.
Esselburn, Alvin L., and E. J. Connolly, assignors to Lamson Corporation, Syracuse, N. Y. Pneumatic dispatch system. 2,276,473; Mar. 17.
Eversharp, Inc. (See Stenersen, Albert H., assignor.)
Everston, Joseph H., Milwaukee, Wis. Shoe. 2,276,949; Mar. 17.
Faeber, Murray, Brooklyn, N. Y. Hot water boiler. 2,276,381; Mar. 17.
Fairchild Engine and Airplane Corporation. (See Gregory, Alfred T., assignor.)
Fairfield Manufacturing Company. (See Boor, Francis H., assignor.)
Faller, Leopold, Cologne-on-the-Rhine, Germany. Device for dustless transferring of powdery substances. 2,276,950; Mar. 17.
Farmer, Paul M., Maplewood, N. J. Article order assembly system and apparatus therefor. 2,276,293; Mar. 17.
Farmer, Paul M., Maplewood, N. J. Article order segregating system and apparatus therefor. 2,276,294; Mar. 17.
Faulds, George, Philadelphia, Pa. Heater construction. 2,276,474; Mar. 17.
Feilchenfeld, Arthur, Jr. (See Utley, R. C., and Feilchenfeld.)
Feist, Harry J. and R. J., assignors to Consolidated Outdoor Display Company, Fremont, Ohio. Specially reflective character positioning. 2,276,475; Mar. 17.
Feist, Raymond J. (See Feist, Harry J. and R. J.)
Felton, Frank J., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Drawing die. 2,276,689; Mar. 17.
Fennema, Pieter H. (See Horowitz, A., and Fennema.)
Ferguson, John, Cleveland, Ohio. Electric glass melting furnace. 2,276,295; Mar. 17.
Fey, Wealthey E., Rahway, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Fan support. 2,276,538; Mar. 17.
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Hoefert, R., and Schroder, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Ruska, E., and Schuchmann, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Seiffert, Bernhard, assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Zirzow, E., and Ropfer, assignors.)
Finney, John H. V., Denver, Colo., assignor to H. C. Hirsch, El Paso, Tex. Material classifier. 2,276,539; Mar. 17.
Fischer, Werner. (See Miescher, K., Fischer, Scholz, and Wettstein.)
Fisher, Harold W., Cranford, N. J., assignor to Standard Oil Development Company. Chlorinated poly-isobutylene and process of making same. 2,276,951; Mar. 17.
Flanagan, Bernard L., assignor to Flanagan Supply Company, Wellsville, N. J., a partnership composed of C. J. Flanagan and B. L. Flanagan. Beehive clamp. 2,276,768; Mar. 17.
Flanagan Supply Company. (See Flanagan, Bernard L., assignor.)
Fletcher, Arthur L. (See Hayford, B. I., and Fletcher.)
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Label dispenser. 2,276,296; Mar. 17.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Label dispenser. 2,276,297; Mar. 17.
Folger, Frederick S., New York, N. Y. Device for severing seals for receptacle closures. 2,276,476; Mar. 17.
Ford, Ira W. (See Oeltjen, Alta E.)
Foster, Asa W., Goreville, Ill. Rug display rack. 2,276,769; Mar. 17.
Fox, Bernard. (See Plewes, D. H., and Fox.)
Foxboro Company, The. (See Allen, A., and Ehrisman, assignors.)
Francis, Earle V., Columbus, Ohio, assignor to The Traylor Vibrator Company. Feeding apparatus. 2,276,382; Mar. 17.
Francis, Earle V., Columbus, Ohio, assignor to The Traylor-Vibrator Company. Constant capacity feeder. 2,276,383; Mar. 17.
Franklin, Lawrence W., Hasbrouck Heights, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Wave transmission system. 2,276,952; Mar. 17.
Frauenthal, Harold, assignor to Bantam Bearings Corporation, South Bend, Ind. Bearing means. 2,276,384; Mar. 17.
Frazier, Charles H., assignor to The Drackett Company, Cincinnati, Ohio. Solid and liquid contact apparatus. 2,276,298; Mar. 17.
Fredericksen, James P., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt applying machine. 2,275,452; Mar. 17.
Fregeolle, Oscar, and I. H. C. Green, assignors to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,276,953; Mar. 17.
Fried, Ernest, New York, N. Y. Shipping container. 2,276,569; Mar. 17.
Fritts, Morris, Orange, and F. A. Voos, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,276,954; Mar. 17.
Fuller, Charlie W., Hanford, Calif. Flower holding vase. 2,276,648; Mar. 17.
Gaines, Charles N., Oakmont, Pa. Roller skate. 2,276,570; Mar. 17.
Gano, Orville, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J. Drier. 2,276,955; Mar. 17.
Gar Wood Industries, Inc. (See Barrett, Edward R., assignor.)
Gearhart, Roy E. (See Wolf, C. H., and Gearhart.)
Geigel, Samuel, Carbondale, Colo. Cutter for seed potatoes. 2,276,720; Mar. 17.
Geigy, J. R., A. G. (See Mettler, C., Martin, Neracher, and Staub, assignors.)
Gellman, Israel C. (See Petskeyes, C. H., and Gellman.)
Gellman Manufacturing Company. (See Petskeyes, C. H., and Gellman, assignors.)
Genco Mfg. Co. (See Thompson, Harry, assignor.)
General Aniline & Film Corporation. (See Bienert, B., and Thielert, assignors.)
General Aniline & Film Corporation. (See Hummel, H. G., and Jahrstorfer, assignors.)
General Aniline & Film Corporation. (See Niemann, G., Schmidt, Muehlbauer, and Wiest, assignors.)
General Aniline & Film Corporation. (See Ostrowski, W., and Nicodemus, assignors.)
General Aniline & Film Corporation. (See Schneevoigt, A., and Beck, assignors.)
General Aniline & Film Corporation. (See Schneider, Wilhelm, assignor.)
General Aniline & Film Corporation. (See von Klenck, J., and Nfisslein, assignors.)
General Aniline & Film Corporation. (See Wilmanns, G., and Riester, assignors.)
General Aniline & Film Corporation. (See Zahn, K., and Koch, assignors.)
General Electric Company. (See Bellows, Brian C., Jr., assignor.)
General Electric Company. (See Bowman, K. K., and Edwards, assignors.)
General Electric Company. (See Brueche, Ernst, and Recknagel, assignors.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Crowther, Frederick D., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Gibson, Hal, assignor.)
General Electric Company. (See Goetz, Ernest F., assignor.)
General Electric Company. (See Greentree, C. D., and Mead, Jr., assignors.)
General Electric Company. (See Harrison, Ward, assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Holm-Hansen, Osmund, assignor.)
General Electric Company. (See Hubbard, Horace S., assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Lemmers, Eugene, assignor.)
General Electric Company. (See Livingston, Orrin W., assignor.)
General Electric Company. (See Lynch, Edward E., assignor.)
General Electric Company. (See Meador, Jack R., assignor.)
General Electric Company. (See Prince, David C., assignor.)

General Electric Company. (See Puckette, Charles C., assignor.)
General Electric Company. (See Rogers, George L., assignor.)
General Electric Company. (See Rogers, Robert H., assignor.)
General Electric Company. (See Saito, Tokutaro, assignor.)
General Electric Company. (See Shimizu, T., and Hamada, assignors.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Tonks, Lewi, assignor.)
General Electric Company. (See Tritle, J. F., and Petersen.)
General Electric Company. (See Tritle, J. F., McNairy, and Petersen, assignors.)
General Electric Company. (See Wade, Allan J., assignor.)
General Electric Company. (See Webb, L. W., and McNairy, assignors.)
General Electric Company. (See Willis, Clodius H., assignor.)
General Motors Corporation. (See Grove, Vernet L., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See Jorgensen, Clarence H., assignor.)
General Steel Casting Corporation. (See Pflager, Harry M., assignor.)
General Steel Castings Corporation. (See Pflager, Harry M., assignor.)
General Tire & Rubber Company. (See McCoy, William C., assignor.)
George, Harry F., Chicago, Ill. Steering wheel. 2,276,477; Mar. 17.
Germain, Stanley A., Glendale, Calif. Electric heater for oil wells. 2,276,833; Mar. 17.
Germany, James H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Producing a purified protective atmosphere. 2,276,690; Mar. 17.
Gernes, Donald C. (See Reyerson, L. H., and Gernes.)
Gibb, Donald L., and W. R. Collings, assignors to The Dow Chemical Company, Midland, Mich. Flexible laminated film. 2,276,478; Mar. 17.
Gibb, Donald L., assignor to The Dow Chemical Company, Midland, Mich. Polymerization method. 2,276,691; Mar. 17.
Gibbons, Willis A., Montclair, and F. M. Lewis, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Manufacturing cyclo-hexyl-amino diphenylamine. 2,276,957; Mar. 17.
Gibbs, Walter M., Chicago, Ill. Journal lubrication. 2,276,834; Mar. 17.
Gibson, Hal, Dallas, Tex., assignor to General Electric Company. Air conditioning system. 2,276,835; Mar. 17.
Gilbert & Barker Manufacturing Company. (See Grise, Alfred L., assignor.)
Gilbert, Herman W., Kew Gardens, N. Y. Cloth feeding device for unwinding and laying up machines. 2,276,479; Mar. 17.
Gillette Safety Razor Company. (See Nuros, Joseph, assignor.)
Ginsberg, Abraham J. (See Milinowski, Arthur S., Jr., assignor.)
Gleason, Anthony H., Westfield, N. J., and W. J. Sparks, Peoria, Ill., assignors to Standard Oil Development Company. Lubricating products. 2,276,956; Mar. 17.
Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Cutting device. 2,276,480; Mar. 17.
Globe Hoist Company. (See Thompson, Elmer B., assignor.)
Goetz, Ernest F., Schenectady, N. Y., assignor to General Electric Company. Hydraulic operator. 2,276,836; Mar. 17.
Goetzman, Carl A. (See Weber, John, Jr., etc.)
Goldsmith, Albert J., Kew Gardens, N. Y. Taping machine for the manufacture of corrugated boxes. 2,276,958; Mar. 17.
Goldsmith, Bertram J., Neshanic, N. J. Dispensing and displaying means for narrow fabrics. 2,276,959; Mar. 17.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Hosker, Clarence E., assignor.)
Goodrich, B. F., Company, The. (See Van Buren, W. H., and Van Orden, assignors.)
Goodwin, Willis R., Auburn, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for attaching two-section heels. 2,276,299; Mar. 17.
Gordon, Graham M., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif. Apparatus for compacting materials by vibration. 2,276,613; Mar. 17.
Goss, Worth C., Seattle, Wash. Retort. 2,276,649; Mar. 17.
Gotberg, Harry H., assignor to Colonial Broach Company, Detroit, Mich. Broach. 2,276,385; Mar. 17.
Goulds Pumps, Inc. (See Carruthers, Eben H., assignor.)
Graham, David P., Flushing, assignor to Peabody Engineering Corporation, New York, N. Y. Burner. 2,276,960; Mar. 17.
Graham, David P., Flushing, N. Y., and R. C. Vroom, Montclair, N. J., assignors to Peabody Engineering Corporation, New York, N. Y. Burner. 2,276,961; Mar. 17.
Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar machine. 2,276,962; Mar. 17.
Grapp, Herbert L., Minneapolis, Minn. Cooling device. 2,276,614; Mar. 17.
Green, Isaac H. C. (See Fregeolle, O., and Green.)
Green, Vernor W., Shrewsbury, Mass., assignor to Taylor-Winfield Corporation, Warren, Ohio. Electrode carrying attachment for welding machines. 2,276,770; Mar. 17.
Green, Walter H., assignor to International Filter Co., Chicago, Ill. Liquid treating process and apparatus. 2,276,300; Mar. 17.
Greenawalt, Lewis J. (See Reifenberg, J. H., and Greenawalt.)
Greentree, Charles D., Scotia, and M. S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company. Road contacts for traffic analysers. 2,276,837; Mar. 17.
Greer, Don S., Winchester, assignor to J. W. Greer Company, Cambridge, Mass. Candy coating. 2,276,481; Mar. 17.
Greer, J. W., Company. (See Greer, Don S., assignor.)
Gregory, Alfred T., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Antifriction bearing. 2,276,301; Mar. 17.
Gregory, Eli E., Stirling, N. J. Gun sight. 2,276,270; Mar. 17.
Griffin, Herbert, Jersey City, N. J. Film stabilizer. 2,277,019; Mar. 17.
Griffin, James F., Dallas, Tex. Fuel tank. 2,276,963; Mar. 17.
Grise, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,276,838; Mar. 17.
Grise, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,276,839; Mar. 17.
Grodde, Arthur, Laurentian View, Ontario, Canada. Toy projectile. 2,276,386; Mar. 17.
Grove, Vernet L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,276,964; Mar. 17.
Groov-Pin Corporation. (See Richards, Cecil C., assignor.)
Grubb, Henry M. (See Tucker, E. B., and Grubb.)
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Wide band amplifier. 2,276,482; Mar. 17.
Grypma, Theodore J., Grand Rapids, Mich. Splicing method. 2,276,571; Mar. 17.
Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Preparation of organic compounds. 2,277,015; Mar. 17.
Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Preparation of organic compounds. 2,277,016; Mar. 17.
Gulf Research & Development Company. (See Wyckoff, Ralph D., assignor.)
Gulf Research & Development Company. (See Wyckoff, Ralph D., assignor.)
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic regulator. 2,276,650; Mar. 17.
Gumpper, John K. (See Morehouse, R. I., and Gumpper.)
Gunn, Earl G., Racine, Wis., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Method of making filters. 2,276,572; Mar. 17.
Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Printing coated wrappers. 2,276,387; Mar. 17.
Gustafson, Carl A., Peorgia, Ill., assignor to Caterpillar Tractor Co., San Llandro, Calif. Earth moving apparatus. 2,276,573; Mar. 17.
Guttmann, Eric S., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Measuring device. 2,276,302; Mar. 17.
Haag, Albert R., F. W. Werckle, and R. E. Locher, assignors to A. R. and G. A. Haag, Peoria, Ill., doing business as Haag Bros. Co., a copartnership. Wringer. 2,276,574; Mar. 17.
Haag, Albert R., F. W. Werckle, and R. E. Locher, assignors to A. R. and G. A. Haag, Peoria, Ill., doing business as Haag Bros. Co., a copartnership. Wringer. 2,276,575; Mar. 17.
Haag, Albert R. and G. A., Peoria, Ill. Wringer. 2,276,576; Mar. 17.
Haag Bros. Co. (See Haag, A. R., Werckle, and Locher.)
Haag, Emil G. (See Cleveland, A. B., Bernhardt, Douglas, and Haag.)
Haag, George A. (See Haag, Albert R., and G. A.)
Haag, George A., et al. (See Haag, A. R., Werckle, and Locher, assignors.)
Haag, Walter J., assignor to The Brownell Company, Dayton, Ohio. Intermittent stroke control for ram-feed stokers. 2,276,388; Mar. 17.

Hague, Floyd T. (See Conrad, F., Wilson, Hein, and Hague.)
Hahn, Le Roy W., Algona, Iowa. Loader-stacker. 2,276,483; Mar. 17.
Hahn, Richard F., Easton, assignor to Dixie-Vortex Company, Chicago, Ill. Paper container. 2,276,577; Mar. 17.
Hahn, Richard F., assignor to Dixie-Vortex Company, Easton, Pa. Paper container. 2,276,578; Mar. 17.
Hall-McChesney, Inc. (See Cooper, J., and Baule, assignors.)
Halliday, George Frederic, assignor to Aero Engines Limited, Kingswood, Bristol, England. Compressor. 2,276,965; Mar. 17.
Halvorsen, Elmer W., and C. R. Bergevin, assignors to The Torrington Manufacturing Company, Torrington, Conn. Spring coiling machine. 2,276,579; Mar. 17.
Hamada, Shigenori. (See Shimizu, T., and Hamada.)
Hammond Instrument Company. (See Hanert, John M., assignor.)
Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,276,389; Mar. 17.
Hancock Manufacturing Company. (See Marple, Rollo, assignor.)
Hanert, John M., Wilmette, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,276,390; Mar. 17.
Hanford, William E., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric vinylimides. 2,276,840; Mar. 17.
Hanlon-Waters, Inc. (See Waters, Millard F., assignor.)
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,276,651; Mar. 17.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Gasoline engine ignition system. 2,276,966; Mar. 17.
Hanson, Ezekiel, San Diego, Calif. Cream line separator for milk containers. 2,277,001; Mar. 17.
Hanson, Oscar, Mount Sterling, Wis. Milk sediment testing device. 2,276,841; Mar. 17.
Harding, Brooks B., Freeport, N. Y. Coffee percolator. 2,276,540; Mar. 17.
Harding, William G., Whitton, and R. H. Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical transmission system. 2,276,652; Mar. 17.
Hardwick, Christopher L., Cleveland, Tenn. Combination cutting board and towel drying member. 2,276,692; Mar. 17.
Harkness, Bertram G. A., et al. (See Vosseler, H. F., and Pierard, assignors.)
Harley, Stanley J. (See Whitehead, F. W., and Harley.)
Harper, Carolyn L., et al. (See Rich, Keith, assignor.)
Harper, Philip S., et al. (See Rich, Keith, assignor.)
Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,276,271; Mar. 17.
Harper-Wyman Company. (See Harper, Philip S., assignor.)
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Valve. 2,276,620; Mar. 17.
Harris, Frank C., and R. T. Moore, Lakewood, assignors to The American MonoRail Company, Cleveland, Ohio. Track interlock and safety stop mechanism. 2,276,272; Mar. 17.
Harris Trust and Savings Bank, et al. (See Rich, Keith, assignor.)
Harris, William A., Greenville, S. C. Coin-control mechanism for dispensing machines. 2,276,967; Mar. 17.
Harrison, Ward, Shaker Heights, Ohio, assignor to General Electric Company. Mounting device for electric lamps. 2,276,842; Mar. 17.
Harshberger, Norman P., Scarsdale, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Coating and feeding apparatus. 2,276,484; Mar. 17.
Harshberger, Norman P., Scarsdale, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Coating apparatus. 2,276,486; Mar. 17.
Harshberger, Norman P., Old Greenwich, Conn., assignor to Carbide and Carbon Chemicals Corporation, New York, N. Y. Coating method. 2,276,485; Mar. 17.
Harshberger, Norman P., Old Greenwich, Conn., assignor to Carbide and Carbon Chemicals Corporation, New York, N. Y. Coating method. 2,276,487; Mar. 17.
Hartwick, Ross W. and T., Pinconning, Mich. Field clover duster. 2,276,721; Mar. 17.
Hartwick, Thomas. (See Hartwick, R. W. and T.)
Hathaway, Claude M., Denver, Colo., assignor to General Electric Company. Pressure measuring apparatus. 2,276,843; Mar. 17.
Hathorn, Charles E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Structural joint. 2,276,391; Mar. 17.
Hawker, Roland G., Kingfield, Maine. Flush valve seal forming tool. 2,276,771; Mar. 17.
Hayford, Benjamin I., Wilkinsburg, and A. L. Fletcher, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal clad switchgear. 2,276,653; Mar. 17.
Hayford, Benjamin I., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switchgear. 2,276,968; Mar. 17.
Hazelett, Clarence W., Greenwich, Conn. Process for making thin glass. 2,276,615; Mar. 17.
Hazeltine Corporation. (See Hershey, Lloyd M., assignor.)
Headley, Lewis M., Ames, Iowa. Projectoscope slide and projecting its image. 2,276,392; Mar. 17.
Heap, William E., Mulvane, Kans., assignor of one-fourth to F. Williams, Canadian, and one-fourth to G. Howe, Amarillo, Tex. Turbine. 2,276,772; Mar. 17.
Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Method of making porous metal-containing catalysts. 2,276,693; Mar. 17.
Hedeby, Hans U., Youngstown, Ohio. Electrically heated iron. 2,276,773; Mar. 17.
Hein, Carl C. (See Conrad, F., Wilson, Hein, and Hague.)
Heinichen, Harry H., Chicago, Ill. Service entrance cable connector. 2,276,969; Mar. 17.
Hemphill Company. (See Fregeolle, O., and Green, assignors.)
Hemphill Company. (See St. Pierre, Eugene, assignor.)
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henke, Clyde O., Wilmington, Del., and R. G. Benner, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxidizing hydrocarbons. 2,276,774; Mar. 17.
Henry, Augustus M., Brooklyn, N. Y. Fastener. 2,276,694; Mar. 17.
Hercules Powder Company. (See Cox, Richard F. B., assignor.)
Herrig, Harvey H., Havre, Mont. Piston wrist pin setting tool. 2,276,303; Mar. 17.
Hershberger, Albert, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Film. 2,276,305; Mar. 17.
Hershey, Lloyd M., Great Neck, N. Y., assignor to Hazeltine Corporation. Frequency detector and control voltage supply. 2,276,488; Mar. 17.
Hewton, John H., Rome, N. Y. Garment. 2,276,775; Mar. 17.
Hibberd, Frederick H., Harrison, N. Y. Air conditioning system. 2,276,970; Mar. 17.
Hill, Frank B. (See Alford, M. W., Jackson, and Hill.)
Hill, Frank B., M. W. Alford, and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Stretching of textile materials. 2,276,394; Mar. 17.
Hill, Frank B., and M. W. Alford, Spondon, near Derby, England, assignors to Celanese Corporation of America. Stretching of filaments or threads. 2,276,395; Mar. 17.
Hill, George H. (See Ayres, A. U., and Hill.)
Hill, Henry C., Montclair, and W. A. Wolf, South Hackensack, N. J., assignors to Wright Aeronautical Corporation. Crankcase construction. 2,276,393; Mar. 17.
Hill, Henry C., Montclair, W. A. Wolf, Hackensack, and A. Chilton, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Cam drive gear. 2,276,396; Mar. 17.
Hill, Thomas A. M. (See Bromley, T. C., Shortland, Hill, and Hooper.)
Hillman, Bernard S., Paterson, and A. Nazzaro, Warren Point, N. J. Marking implement. 2,276,722; Mar. 17.
Hinckley, Frank B., Jr., Dallas, Tex. Cotton cleaning and drying machine. 2,276,397; Mar. 17.
Hiner, William B., San Jose, Calif. Photographic lens for three dimensional effect. 2,276,723; Mar. 17.
Hirsch, Homer C. (See Finney, John H. V., assignor.)
Hoak, Clarence B., Steubenville, Ohio. Annealing furnace. 2,276,971; Mar. 17.
Hoefert, Reinhold, Berlin-Gatow, and K. Schröder, Berlin-Staaken, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,276,489; Mar. 17.
Hofer, David L., Albany, Calif. Velocity gauge. 2,276,580; Mar. 17.
Hofmann, William, Buffalo, N. Y. Transparency supporting device. 2,276,776; Mar. 17.
Holler, Homer D., Export, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulated electric heater and method of making the same. 2,276,973; Mar. 17.
Holleron, William K. (See Church, Walter L., assignor.)
Holloman, George V. (See Burka, S. M., and Holloman.)
Holm-Hansen, Osmund, Stratford, Conn., assignor to General Electric Company. Vacuum cleaner. 2,276,844; Mar. 17.
Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Circular knitting machine of the double axially opposed needle cylinder type. 2,276,972; Mar. 17.
Hoofer, Charles F., Chicago, Ill. Price card holder. 2,276,490; Mar. 17.
Hooper, Henry. (See Bromley, T. C., Shortland, Hill, and Hooper.)
Hoover, Herbert, Jr., Sierra Madre, and H. C. Schaeffer, Tulare, assignors to Consolidated Engineering Corporation, Pasadena, Calif. System for making weathering corrections. 2,276,306; Mar. 17.
Horney, Amos G. (See Buchman, M. A., and Horney.)
Horowitz, Alexandre, and P. H. Fennema, Eindhoven, Netherlands, assignors to Radio Corporation of America, New York, N. Y. Radio receiver. 2,276,724; Mar. 17.

Horsley, William D., assignor to C. A. Parsons & Company, Limited, Newcastle-on-Tyne, England. Polyphase alternating current dynamo-electric machine. 2,276,616; Mar. 17.
Horton, Roger F., Cleveland Heights, Ohio. Braking mechanism. 2,276,777; Mar. 17.
Hosker, Clarence E., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Footwear. 2,276,398; Mar. 17.
Houdaille-Hershey Corporation. (See Gunn, Earl G., assignor.)
Houde Engineering Corporation. (See Magrum, Gervase M., assignor.)
Houdry, Eugène J., Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic converter. 2,276,307; Mar. 17.
Houdry Process Corporation. (See Houdry, Eugène J., assignor.)
Houdry Process Corporation. (See Prickett, T. B., and Thayer, assignors.)
Houdry Process Corporation. (See Velykis, Robert B., assignor.)
Houghton, Eric I. (See Woodland, C. R., McClew, and Houghton.)
Howard, Gerald M., Dallas, Tex. Method of and means for determining the velocity of propagation of waves through subsurface formations. 2,276,974; Mar. 17.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,276,541; Mar. 17.
Howe, Gene, et al. (See Heap, William E., assignor.)
Howell, Edward N., Overbrook Hills, and F. Boylan, Philadelphia, Pa., said Boylan assignor to said Howell. Overhead door guiding means. 2,276,976; Mar. 17.
Howland, Louis H., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vulcanization accelerator. 2,276,975; Mar. 17.
Hrdina, Václav, Chlum, near Trebon, Czechoslovakia. Making hollow glassware. 2,276,399; Mar. 17.
Hubbard, Horace S., Pittsfield, Mass., assignor to General Electric Company. Reactor. 2,276,845; Mar. 17.
Hubbard, William A., Minneapolis, Minn. Air heating device. 2,276,400; Mar. 17.
Huffman, James W., Fort Worth, Tex. Absorption refrigeration system. 2,276,977; Mar. 17.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure. 2,276,725; Mar. 17.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure. 2,276,725; Mar. 17.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron shell structure. 2,276,726; Mar. 17.
Hugh, Joseph A., assignor, by mesne assignments, to P. P. Race, Chicago, Ill. Miniature furniture and making same. 2,276,308; Mar. 17.
Hull, Robert W., Connersville, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet construction. 2,276,778; Mar. 17.
Hummel, Hans G., Mannheim, and M. Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Formaldehyde-polyalkylene polyamine condensation products and production thereof. 2,276,309; Mar. 17.
Hunter, James H., Lansdowne, Pa., assignor to Radio Corporation of America. Composition of matter. 2,276,304; Mar. 17.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Comb. 2,276,273; Mar. 17.
Hyman, Benjamin M., and E. Karlsson, Moline, Ill., assignors to International Harvester Company. Conveyer. 2,276,978; Mar. 17.
Ijames, Marma D. (See Warlick, C. D., and Ijames.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Imperial Chemical Industries Limited. (See Carey, Windham F., assignor.)
Ingersoll Milling Machine Company, The. (See Guttmann, Eric S., assignor.)
Ingram & Bell, Limited. (See Wheeler, Louis W., assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
International Derrick & Equipment Company, The. (See Bloss, Richard R., assignor.)
International Filter Co. (See Green, Walter H., assignor.)
International Harvester Company. (See Hyman, B. M., and Karlsson, assignors.)
International Harvester Company. (See Rietz, Edward L., assignor.)
International Harvester Company. (See Welty, Albert B., assignor.)
International Projector Corporation. (See Kindelmann, A., and Boecking, assignors.)
International Telephone Development Co. Inc. (See Rote, Melvin A., assignor.)
Isenberg, Stanley, Chicago, Ill. Supporting bracket for spray devices. 2,276,779; Mar. 17.
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Jackson, Thomas. (See Alford, M. W., Jackson, and Hill.)
Jackson, Thomas. (See Hill, F. B., Alford, and Jackson.)
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,276,655; Mar. 17.
Jacobi, Hermann, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for locking control plungers in slide valve control devices. 2,276,979; Mar. 17.
Jacobi, William H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser bushing winding machine. 2,276,980; Mar. 17.
Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,276,491; Mar. 17.
Jahrstorfer, Michael. (See Hummel, H. G., and Jahrstorfer.)
James, Claude, assignor of one-half to C. A. Moore, Iron Mountain, Mich. Snow boat. 2,276,310; Mar. 17.
Jauch, Karl. (See Strautman, H., and Jauch.)
Jeffries, Leroy J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Percussion musical instrument. 2,276,846; Mar. 17.
Johansson, Birger, Jonkoping, Sweden. Steam boiler with a feed water preheater. 2,276,780; Mar. 17.
John, Edward T., assignor to The J. R. Clark Company, Minneapolis, Minn. Ventilating metal ironing table top. 2,276,981; Mar. 17.
Johns-Manville Corporation. (See Pond, Thomas C., assignor.)
Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,276,982; Mar. 17.
Johnson, Frederick B., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arrester material and selecting the same. 2,276,656; Mar. 17.
Johnson, Frederick B. (See Ludwig, L. R., Johnson, and Berkey.)
Johnson, Howard W., Elizabeth, N. J. Boring and pipe cutting machine. 2,276,727; Mar. 17.
Johnson, James E. (See Joze, Allen T., assignor.)
Johnson, John. (See Johnson, Roy and J.)
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger supporting and retaining means. 2,276,781; Mar. 17.
Johnson, Roy, Scranton, and J. Johnson, Moscow, assignor to Carbondale Grate-Bar Company, Scranton, Pa., a copartnership comprising R. and J. Johnson. Barometric damper. 2,276,728; Mar. 17.
Jolly, Samuel E., and J. H. Perrine, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Extreme pressure lubricant. 2,276,492; Mar. 17.
Jonas, Julius, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric current transmission mechanism. 2,276,983; Mar. 17.
Jones, Paul C., Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company. Production of butt-welded rail joints, and rail adapted for use therewith. 2,276,782; Mar. 17.
Jordan, Curtis S., Glendale, Calif. Egg cleaning machine. 2,276,581; Mar. 17.
Jorgensen, Clarence H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Automatic choke mechanism. 2,276,311; Mar. 17.
Joslyn, Raymond O., Kansas City, Mo., assignor to Layne & Bowler Incorporated, Memphis, Tenn. Well cleaning apparatus. 2,276,401; Mar. 17.
Joze, Allen T., assignor to James E. Johnson, Chicago, Ill. Control apparatus. 2,276,493; Mar. 17.
Junghans, Siegfried, Stuttgart, Germany, assignor to Irving Rossi, New York, N. Y. Continuous casting process. 2,276,657; Mar. 17.
Jürschick, Kurt, assignor to Arado Flugzeugwerke Gesellschaft mit Beschrankter Haftung, Brandenburg, Havel, Germany. Landing hook for aircraft. 2,276,312; Mar. 17.
Juvenile Wood Products, Inc. (See Muller, Albert B., assignor.)
Karlsson, Elof. (See Hyman, B. M., and Karlsson.)
Kauffmann, Hans O., Eggertsville, P. H. Margulies, Kenmore, and J. R. Ryan, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Manufacture of thin boiling starches. 2,276,984; Mar. 17.
Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Co., Philadelphia, Pa. Loom shuttle. 2,276,985; Mar. 17.
Keith, Percival C., Jr., Peapack, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Synthesizing hydrocarbons. 2,276,274; Mar. 17.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Brazing. 2,276,847; Mar. 17.
Kelley, Frederick A. W., assignor of one-half to R. Penington, Jr., Providence, R. I. Detachable heel. 2,276,654; Mar. 17.
Kellog, Henry B. (See Reynolds, H. C., Jr., and Kellog.)
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Web feeding apparatus. 2,276,494; Mar. 17.
Kellogg, M. W., Company, The. (See Keith, Percival C., Jr., assignor.)

Kemp, Archie R., Westwood, N. J., and W. G. Straitiff, Kew Gardens, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Latex. 2,276,986; Mar. 17.

Kenfield, Kenneth E., Bemidji, Minn. Box. 2,276,495; Mar. 17.

Kengott, Raymond J., Chicago, Ill. Sheet lifting device for loose-leaf binders. 2,276,987; Mar. 17.

Kennedy, Glen and C. C. Cole, Whittier, Calif. Fluid operated motor for deep well pumping equipment. 2,276,782; Mar. 17.

Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Means for cooling material. 2,276,496; Mar. 17.

Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)

Keppel, Louis W., Bayonne, N. J. Clip pencil holder. 2,276,313; Mar. 17.

Kindelmann, Albert, Floral Park, and E. Boecking, Great Kills, assignors to International Projector Corporation, New York, N. Y. Shutter control mechanism for moving picture projectors. 2,276,658; Mar. 17.

Kinney Manufacturing Company. (See Livingston, Donald B., assignor.)

Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)

Kirk, Joseph S., Seven Hills, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,276,314; Mar. 17.

Kirk, Joseph S., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,276,315; Mar. 17.

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Railway truck and axle drive. 2,276,848; Mar. 17.

Klarer, Josef. (See Mietzsch, F., Behnisch, and Klarer.)

Knapp-Monarch Company. (See Huffman, Russell I., assignor.)

Knorr-Nährmittel Aktiengesellschaft. (See Braseel, E., and Münger, assignors.)

Koch, Hinrich. (See Zahn, K., and Koch.)

Koppelmann, Floris, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Converter and rectifier. 2,276,784; Mar. 17.

Kovanda, Louis P., Sacramento, Calif. Apparatus for sealing expansion joints. 2,276,542; Mar. 17.

Kraybill, Henry R., P. H. Brewer, and M. H. Thornton, assignors to Purdue Research Foundation, West Lafayette, Ind. Emulsifying and foaming agents and producing them. 2,276,316; Mar. 17.

Kraybill, Henry R., P. H. Brewer, and M. H. Thornton, assignors to Purdue Research Foundation, West Lafayette, Ind. Phosphatides and producing them. 2,276,317; Mar. 17.

Kreienfeld, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning arrangement. 2,276,617; Mar. 17.

Kreisinger, Henry, Piermont, assignor to Combustion Engineering Company, Inc., New York, N. Y. Wet refuse furnace and system. 2,276,659; Mar. 17.

Krevis, Emil A., Park Ridge, Ill. Sanitary paper slipper. 2,276,582; Mar. 17.

Krider, George E., Duncanville, Pa. Propeller blade for log washers. 2,276,402; Mar. 17.

Kroger, Fred H., Rocky Point, N. Y., assignor to Radio Corporation of America. Ultra high frequency antenna feedback balancer. 2,276,497; Mar. 17.

Krom, Myron E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tone generator. 2,276,660; Mar. 17.

Kulz, Fritz, Frankfort-on-the-Main, assignor to the firm Tropon-Werke Dinklage & Co., Cologne-Mulheim, Germany. N-phenylaliphatic dihydroxyphenylaliphatic amines. 2,276,618; Mar. 17.

Kulz, Fritz, Frankfort-on-the-Main, assignor to the firm Tropon-Werke Dinklage & Co., Cologne Mulheim, Germany. N - phenylaliphatic - dihydroxyphenylaliphatic amines. 2,276,619; Mar. 17.

Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Window hinge. 2,276,729; Mar. 17.

Labombarde, Harold S., Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill. Cup making machine. 2,276,318; Mar. 17.

Labombarde, Harold S., Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill. Container receiving mechanism. 2,276,319; Mar. 17.

Lafite, Roger G., Kansas City, Mo. Current control for generators. 2,276,849; Mar. 17.

La Mar, Frank C., Tucson, Ariz. Fuse indicator. 2,276,785; Mar. 17.

Langlois, David P., assignor to A. E. Staley, Manufacturing Company, Decatur, Ill. Preparation of methyl glucosides. 2,276,621; Mar. 17.

Laubmeyer, Günther, Kassel-Wilhelmshohe, Germany. Electric heating element. 2,276,583; Mar. 17.

Lamson Corporation. (See Esselburn, A. L., and Connolly, assignors.)

Larkwood Silk Hosiery Mills, Incorporated. (See Auman, Colon C., assignor.)

Larkwood Silk Hosiery Mills, Inc. (See Sachsenmaier, Ervin S., assignor.)

Lavarello, Ernesto, Genoa, Italy. Steam turbine. 2,276,695; Mar. 17.

Layne & Bowler Incorporated. (See Joslyn, Raymond O., assignor.)

Lear, Earl B., Garfield, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,276,498; Mar. 17.

Lee, Carl. (See Peltier, M. F., Burnett, Jr., and Lee.)

Lee, Reuben. (See Rambo, S. I., and Lee.)

Le Fevre, Walter J. (See Britton, Ed. C., and Le Fevre.)

Leake, James M., Toledo, Ohio. Bearing seal for rotary shafts. 2,276,622; Mar. 17.

Lemmers, Eugene, Cleveland, Ohio, assignor to General Electric Company. Germicidal lamp in air conditioning apparatus. 2,276,850; Mar. 17.

Leslie, John W., assignor to Signode Steel Strapping Company, Chicago, Ill. Sleeveless strap joint. 2,276,988; Mar. 17.

Levesque, Joseph A., Fall River, Mass. Electrically controlled door. 2,276,989; Mar. 17.

Lewis, Frederick M. (See Gibbons, W. A., and Lewis.)

Lewis, Oswald F., assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England. Coal cutting machine. 2,276,730; Mar. 17.

Lewis, Oswald F., near Sheffield, assignor to Newton, Chambers & Company Limited, near Sheffield, England. Mining machinery. 2,276,731; Mar. 17.

Lightbown, Irving E. (See Thomas, R. M., and Lightbown.)

Lindale, William H., St. Louis, assignor of one-half to J. P. Pohrer, St. Louis County, Mo. Disconnecting switch. 2,276,786; Mar. 17.

Lindahl, Henning W., Landskrona, Sweden. Button. 2,276,321; Mar. 17.

Lindblom, Frank W., Auburn, R. I., assignor to Welsh Manufacturing Company. Lens rim. 2,276,275; Mar. 17.

Linde Air Products Company, The. (See Bucknam, J. H., and Miller, assignors.)

Linde Air Products Company, The. (See Miller, A. J., Bucknam, and Weidner, assignors.)

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Centimeter wave device. 2,276,320; Mar. 17.

Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)

Livingston, Donald B., Beverly, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Clutch. 2,276,276; Mar. 17.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve translating system. 2,276,851; Mar. 17.

Locher, Ross E. (See Haag, A. R., Wereckle, and Locher.)

Lockwood, Edwin H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oven heating unit. 2,276,661; Mar. 17.

Loeding, George, Chicago, Ill. Dust protection means. 2,276,499; Mar. 17.

Long, Albert I., Ajo, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Powder loading machine. 2,276,990; Mar. 17.

Long, James W., Plainfield, and G. I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph apparatus. 2,276,991; Mar. 17.

Louttit, James E. (See Records, E. H., and Louttit.)

Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions. 2,276,322; Mar. 17.

Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide emulsion. 2,276,323; Mar. 17.

Lubri-Zol Development Corporation. (See Prutton, Carl F., assignor.)

Ludwig, Leon R., Wilkinsburg, F. B. Johnson, Murrysville, and W. E. Berkey, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arrester. 2,276,732; Mar. 17.

Lukes, Joseph G., Waucoma, Iowa. Brooder house entrance. 2,276,403; Mar. 17.

Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Shrouded impeller. 2,276,404; Mar. 17.

Lynch, Edward E., Easthampton, Mass., assignor to General Electric Company. Condition responsive control. 2,276,852; Mar. 17.

Lynn, Moore, Los Angeles, Calif. Tent. 2,277,020; Mar. 17.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,276,405; Mar. 17.

Lyons-Magnus, Incorporated. (See Steinbiss, Carl H., assignor.)

MacClatchie, John W., Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Well swab. 2,277,002; Mar. 17.

MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)

Mackay Radio and Telegraph Company. (See Alford, Andrew, assignor.)

Maddox, Henry O., Luling, Tex. Starting device. 2,276,500; Mar. 17.

Magrum, Gervase M., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber packing and sealing means. 2,276,406; Mar. 17.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Fluid pressure control device. 2,276,853; Mar. 17.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Folding machine. 2,276,584; Mar. 17.

Mandel, Millard G., University City, Mo. Sun visor. 2,276,585; Mar. 17.

Manieri, Ettore F., Philadelphia, Pa. Harmonica. 2,276,501; Mar. 17.

Mann, Hessina, New Brunswick, N. J., assignor to Phillips Ribbon & Carbon Co. Inc., Rochester, N. Y. Clean tip for typewriter ribbons. 2,276,324; Mar. 17.

Manzer, Jerry, Coldwater, Mich. Heating apparatus. 2,276,407; Mar. 17.

Manzler, Clarence H., Rochester, N. Y. Utility holder 2,276,992; Mar. 17.

Marcora, Giovanni, Tradate, Italy. Yarn tension device for shuttles. 2,276,408; Mar. 17.

Margadant, Frans G. C., Bergen op Zoom, assignor to Stoombandfabriek N. V., van Engelen & Evers, Heeze, Netherlands. Process and apparatus for cutting and folding fabric strips. 2,276,854; Mar. 17.

Margulies, Paul H. (See Kauffmann, H. O., Margulies, and Ryan.)

Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Latching device. 2,276,325; Mar. 17.

Martensson, Marten, Washington, D. C., assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,276,326; Mar. 17.

Marti, Antonio, Hartford, Conn. Ventilating fan 2,276,993; Mar. 17.

Martin, Henry. (See Mettler, C., Martin, Neracher, and Staub.)

Mathey, Alcide E. (See Scully, F. P., and Mathey.)

Mattison Machine Works. (See Patrick, Henry F., assignor.)

Matuschke, Walter, Berlin, Germany. Inking mechanism for printing machines. 2,276,662; Mar. 17.

Mayers, Martin A., assignor to Carnegie Institute of Technology of Pittsburgh, Pittsburgh, Pa. Method of and apparatus for burning fuel. 2,276,327; Mar. 17.

Mayewski, John F., Cleveland, Ohio. Keyless closure lock operating means. 2,276,733; Mar. 17.

McCaskey Register Company, The. (See Clark, Harold W., assignor.)

McCaskey Register Company, The. (See West, Fletcher L., assignor.)

McClew, John W. (See Woodland, C. R., McClew, and Houghton.)

McCormick, John E., Chicago, Ill., assignor to E. J. McLaughlin, trustee. Milk soap. 2,276,409; Mar. 17.

McCoy, William C., Shaker Heights, assignor to The General Tire & Rubber Company, Akron, Ohio. Inflation valve. 2,276,502; Mar. 17.

McDavitt, Marcellus B., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse regenerator. 2,276,665; Mar. 17.

McHan, Brack B., Quincy, assignor to Calcium Carbonate Company, Chicago, Ill. Iodized calcium carbonate. 2,276,503; Mar. 17.

McIntosh, George R., San Francisco, Calif. Bulldozer. 2,276,586; Mar. 17.

McLaughlin, Edward J. (See McCormick, John E., assignor.)

McMillan, Frank M., and G. S. Parsons, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Executing catalyzed vapor phase reactions. 2,277,022; Mar. 17.

McNairy, Jacob W. (See Tritle, J. F., McNairy, and Petersen.)

McNairy, Jacob W. (See Webb, L. W., and McNairy.)

Mead, Milton S., Jr. (See Greentree, C. D., and Mead, Jr.)

Meador, Jack R., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 2,276,855; Mar. 17.

Meiman, Benjamin W., Philadelphia, Pa. Electrical apparatus for dental sterilization. 2,276,623; Mar. 17.

Melamid, Michael. (See Bauer, William J., assignor.)

Meletti, Adolph, Philadelphia, Pa. Water circulator for hot water heating systems. 2,276,410; Mar. 17.

Melhorn, Carl E. (See Smith, E. L., and Melhorn.)

Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,276,328; Mar. 17.

Mendelson, Hans, Camden, N. J., assignor to Radio Corporation of America. Indicator. 2,276,504; Mar. 17.

Mercier, Pierre E., Neuilly-sur-Seine, France. Airscrew system. 2,276,663; Mar. 17.

Meredith, Frederick W., assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England. Rotary bearing. 2,276,734; Mar. 17.

Mettler, Carl, H. Martin, O. Neracher, and A. Staub, assignors to J. R. Geigy A. G., Basel, Switzerland. Water-soluble, high molecular α-substituted aralkyl amines and their manufacture. 2,276,587; Mar. 17.

Michelson, Lawrence M., Clayton, assignor to Duro Chrome Corporation, St. Louis, Mo. Pedestal. 2,276,588; Mar. 17.

Michigan Silo Company, The. (See Zuber, Emil F., assignor.)

Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)

Midland Machine Corporation. (See Benedek, Elek K., assignor.)

Miehle Printing Press and Manufacturing Company. (See Dudley, Edward F., assignor.)

Miescher, Karl, Riehen, Switzerland, W. Fischer and C. Scholz, Summit, N. J., and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Aldehydes of the saturated and unsaturated pregnane series. 2,276,543; Mar. 17.

Mietzsch, Fritz, R. Behnisch, and J. Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of 4-aminobenzene-sulphonamide. 2,276,664; Mar. 17.

Milinowski, Arthur S., Jr., assignor to Abraham J. Ginsberg, New York, N. Y. Electrotherapy. 2,276,994; Mar. 17.

Milinowski, Arthur S., assignor to A. J. Ginsberg, New York, N. Y. Electrotherapy. 2,276,995; Mar. 17.

Milinowski, Arthur S., assignor to A. J. Ginsberg, New York, N. Y. Non-radio-interfering therapeutic apparatus. 2,276,996; Mar. 17.

Miller, Alfred J., Garwood, J. H. Bucknam, Cranford, and W. C. Weidner, Grantwood, N. J., assignors to The Linde Air Products Company. Apparatus for conditioning metal bodies. 2,276,329; Mar. 17.

Miller, Alfred J. (See Bucknam, J. H., and Miller.)

Miller, Fred D., Altoona, Pa. Lantern slide clamp. 2,276,735; Mar. 17.

Miller, Leonidas C., assignor to American Oil Tool Company, Dallas, Tex. Perforating device. 2,276,544; Mar. 17.

Milwaukee Gas Specialty Company. (See Alfery, Henry F., assignor.)

Mining Engineering Company Limited, The. (See Moore, Matthew S., assignor.)

Montils, Napoleon A., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole flexing machine. 2,276,330; Mar. 17.

Mooney, Louis. (See Colombi, C., and Mooney.)

Moore, Clarence W., Roslyn, Pa., assignor to United Specialties Co., Detroit, Mich. Direction signal switch. 2,276,411; Mar. 17.

Moore, Clarence W., Roslyn, assignor to United Specialties Co., Philadelphia, Pa. Switch mechanism. 2,276,413; Mar. 17.

Moore, Claude Allen. (See James, Claude, assignor.)

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Pressure controller. 2,276,505; Mar. 17.

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,276,506; Mar. 17.

Moore, Giles S., Indianapolis, Ind. Electric mileage and speed indicator. 2,276,787; Mar. 17.

Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Feeding device for use with endless conveyers and the like. 2,276,412; Mar. 17.

Moore, Perry M., Bloomfield, N. J. Method of water proofing masonry structures. 2,276,507; Mar. 17.

Moore, Ralph T. (See Harris, F. C., and Moore.)

Morehouse, Ray I., and J. K. Gumpper, Chicago, Ill. Paper roll dispenser. 2,276,414; Mar. 17.

Morin, George G. (See Dubuque, Charles, assignor.)

Muehlbauer, Fritz. (See Niemann, G., Schmidt, Muehlbauer, and Wiest.)

Mulberger, Henry C., Waukesha County, assignor to Atomic Research & Engineering Company, Milwaukee, Wis. Electric sign. 2,276,856; Mar. 17.

Muller, Albert B., assignor to Juvenile Wood Products, Inc., Fort Wayne, Ind. Child's chair for automobiles. 2,276,857; Mar. 17.

Münger, Erwin. (See Brassel, E., and Münger.)

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,276,331; Mar. 17.

Murray, Alan E., Wilmington, Del. Producing coated fabrics and product thereof. 2,276,415; Mar. 17.

Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Separation of optically active α-methylphenethylamine. 2,276,508; Mar. 17.

Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Separation of optically active α-methylphenethylamine. 2,276,509; Mar. 17.

Nagy, Arpád, Turnov, Czechoslovakia. Apparatus for grinding diamonds and the like. 2,276,789; Mar. 17.

Napoleon, Titus N., Honolulu, Hawaii. Socket for electric lamps. 2,276,858; Mar. 17.

National Aluminate Corporation. (See Bird, Paul G., assignor.)

National Oil Products Company. (See Segessemann, Ernest, assignor.)

National Oil Products Company. (See Wechsler, R., and Dombrow, assignors.)

Nau, Robert H., Wilkinsberg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,276,859; Mar. 17.

Nazzaro, Armond. (See Hillman, B. S., and Nazzard.)

Nelson, Russell B. (See Axe, R. T., and Nelson.)

Neracher, Otto. (See Mettler, C., Martin, Neracher, and Staub.)
News Syndicate Co. Inc. (See Crosby, Harold M., assignor.)
Newton, Chambers & Company Limited. (See Lewis, Oswald F., assignor.)
Newton, Frank H., Los Angeles, Calif. Vibratory appliance for the feet. 2,276,510; Mar. 17.
Nicodemus, Otto. (See Ostrowski, W., and Nicodemus.)
Niemann, Georg, W. Schmidt, F. Muehlbauer, and G. Wiest, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the phthalocyanine series. 2,276,860; Mar. 17.
Nisbet, Robert H. (See Harding, W. G., and Nisbet.)
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Method of and apparatus for attaching end members to container bodies. 2,276,332; Mar. 17.
Norris, Ralph F., Madison, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Building construction. 2,276,788; Mar. 17.
North American Rayon Corporation. (See Bauer, Erwin, assignor.)
Nüsslein, Josef. (See von Klenck, J., and Nüsslein.)
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,276,416; Mar. 17.
Nydegger, Roland R. (See English, M. H., and Nydegger.)
O. & S. Bearing Company. (See Scully, S. M., and Schroeter, assignors.)
Oeltjen, Alta E., and I. W. Ford, Los Angeles, Calif. Steam generator. 2,276,624; Mar. 17.
Olgiati, Mario A., Detroit, Mich. Automatic bread dough and loaf preparing and graduating machine. 2,276,545; Mar. 17.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Manufacture of homologues of urea. 2,276,696; Mar. 17.
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for cement-attaching welting. 2,276,451; Mar. 17.
Olson, Walter, Glasco, Kans. Contact attachment for current indicators. 2,276,736; Mar. 17.
Ostrowski, Walter, and O. Nicodemus, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. α-Chloro-β-alkoxy-butyraldehydes and preparing them. 2,276,666; Mar. 17.
Ottosom, Oscar, Bronx, N. Y. Teapot. 2,276,667; Mar. 17.
Ovestrud, Melvin, assignor to Pioneer Engineering Works, Inc., Minneapolis, Minn. Apparatus and method for crushing and segregating materials. 2,276,333; Mar. 17.
Owens-Illinois Glass Company. (See Bellg, Charles M., assignor.)
Oxweld Railroad Service Company, The. (See Jones, Paul C., assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Package Machinery Company. (See Smith, E. L., and Melhorn, assignors.)
Palmer, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth pressure mechanism for take-up rolls. 2,276,790; Mar. 17.
Palmer, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth pressure mechanism for take-up rolls. 2,276,791; Mar. 17.
Pangborn Corporation. (See Rosenberger, William A., assignor.)
Parsons, C. A., & Company, Limited. (See Horsley, William D., assignor.)
Parsons, C. A., & Company, Limited. (See Willis, Daniel C. P., assignor.)
Parsons, George S. (See McMillan, F. M., and Parsons.)
Parsons, John B., Toledo, Ohio. Window regulator. 2,276,511; Mar. 17.
Parsons, John B., Toledo, Ohio. Rear quarter window operator. 2,276,512; Mar. 17.
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,276,668; Mar. 17.
Parsons Marine Steam Turbine Company, Limited, The. (See Cook, S. S., and Douglas, assignors.)
Parker Rust Proof Company. (See Thompson, John S., assignor.)
Patrick, Henry F., assignor to Mattison Machine Works, Rockford, Ill. Machine tool. 2,276,625; Mar. 17.
Patzer, William, and W. A. Tratsch, Chicago, Ill. Coin chute scavenging means. 2,277,017; Mar. 17.
Patzer, William, and W. A. Tratsch, Chicago, Ill. Coin chute. 2,277,018; Mar. 17.
Peabody Coal Company. (See Peltier, M. F., and Burnett, assignors.)
Peabody Engineering Corporation. (See Graham, David P., assignor.)
Peabody Engineering Corporation. (See Graham, D. P., and Vroom, assignors.)
Pearson, Gerald L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance device. 2,276,864; Mar. 17.
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Combined baby walker and stroller. 2,276,792; Mar. 17.
Peltier, Moses F., Chicago, W. Burnett, Jr., Marion, and C. Lee, assignors to Peabody Coal Company, Chicago, Ill. Drier. 2,276,589; Mar. 17.
Penington, Robert, Jr. (See Kelley, Frederick A. W., assignor.)
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. High voltage rectifier. 2,276,861; Mar. 17.
Perkins, Julian L., assignor to Perkins Machine and Gear Company, West Springfield, Mass. Pressure means for wringer rolls. 2,276,865; Mar. 17.
Perkins Machine and Gear Company. (See Deloghia, Louis E., assignor.)
Perkins Machine and Gear Company. (See Perkins, Julian L., assignor.)
Perrine, John H. (See Jolly, S. E., and Perrine.)
Petau, Erik, assignor to Autopoint Company, Chicago, Ill. Clip for mechanical pencils, fountain pens and the like. 2,276,513; Mar. 17.
Petersen, Charles A. (See Tritle, J. F., and Petersen.)
Petersen, Charles A. (See Tritle, J. F., McNairy, and Petersen.)
Peterson, Carl D., and A. H. Delmel, Toledo, Ohio. Transmission mechanism. 2,276,862; Mar. 17.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling by modulated waves. 2,276,863; Mar. 17.
Peterson, John B., Bethesda, Md. Mercurial barometer. 2,276,334; Mar. 17.
Peterson, John W., Canton, S. Dak. Planter attachment for tractors. 2,276,697; Mar. 17.
Peterson, Raymond A., Altadena, assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif. Making weathering corrections. 2,276,335; Mar. 17.
Petro-Chem Development Company. (See Throckmorton, J. W., and Wallis, assignors.)
Petskeyes, Charles H., Davenport, Iowa, and I. C. Gellman, assignors to Gellman Manufacturing Company, Rock Island, Ill. Paper holding and tensioning means. 2,276,590; Mar. 17.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,276,336; Mar. 17.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,276,337; Mar. 17.
Phelps Dodge Corporation. (See Long, Albert I., assignor.)
Philco Corporation. (See Hull, Robert W., assignor.)
Philco Corporation. (See Schmidt, Karl F., assignor.)
Philco Radio and Television Corporation. (See Bingley, Frank J., assignor.)
Phillips Ribbon & Carbon Co. Inc. (See Mann, Hessina, assignor.)
Pierard, Harry A. W., et al. (See Vosseler, H. F., and Pierard.)
Pieree, Harold C., Pomona, Calif. Boxed produce load. 2,276,866; Mar. 17.
Pierce, Lawrence, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Contactor. 2,276,698; Mar. 17.
Pioneer Engineering Works, Inc. (See Ovestrad, Melvin, assignor.)
Pistey, George J., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,276,867; Mar. 17.
Plastic Lights, Inc. (See Ruse, Carl R., assignor.)
Plewes, David H., and B. Fox, Toronto, Ontario, assignors to Dominion Corrugated Paper Company Limited, Toronto, Canada. Transversely flexible corrugated paper. 2,276,737; Mar. 17.
Pneumatic Scale Corporation, Limited. (See Howard, Stanley R., assignor.)
Pohrer, Joseph P. (See Lindale, William H., assignor.)
Polenz, Rudolph J., Milwaukee, Wis. Window sash. 2,276,868; Mar. 17.
Polk Development Company, The. (See Polk, Ralph, Jr., assignor.)
Polk, Ralph, Jr., Haines City, assignor to The Polk Development Company (Unincorporated), Tampa, Fla. Fruit peeler. 2,277,003; Mar. 17.
Pond, Thomas C., Larchmont, assignor to Johns-Manville Corporation, New York, N. Y. Making sheet products. 2,276,869; Mar. 17.
Poock, Louis F., and W. F. Aller, Dayton, Ohio, assignors to The Sheffield Corporation. Measuring instrument. 2,276,626; Mar. 17.
Poock, Louis F., and W. F. Aller, Dayton, Ohio, assignors, by mesne assignments, to The Sheffield Corporation. Machine tool. 2,276,627; Mar. 17.
Pool, Clark, Brooklyn, and H. F. Cypser, New York, assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Fault-indicating means for signal systems. 2,276,546; Mar. 17.
Potato Corporation of Idaho. (See Gano, Orville, assignor.)
Potter, Robert S., and M. D. Bennett, assignor to The Yale & Towne Manufacturing Company. Stamford, Conn. Door operator. 2,276,338; Mar. 17.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. System for starting synchronous telegraph motors. 2,276,738; Mar. 17.

Prantl, Franz, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Resilient wheel device for railway vehicles and lubricating means therefor. 2,276,870; Mar. 17.
Preisach, Ferenc, and I. Zakarias, Budapest, assignors to Vereinigte Glühlampen Und Elektrizitäts Aktiengesellschaft, Ujpest near Budapest, Hungary. Electric amplifier circuits. 2,276,417; Mar. 17.
Preisig, Joseph, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Superheterodyne receiver. 2,276,699; Mar. 17.
Press, Myron H., Woodside, N. Y. Film feeding mechanism. 2,276,871; Mar. 17.
Pressed Steel Car Company. (See Felton, Frank J., assignor.)
Price, Edgar J., Toronto, Ontario, Canada. Combined alarm clock and lamp. 2,276,339; Mar. 17.
Price, Nathan C. (See Cooper, J. B., and Price.)
Prickett, Thomas B., Woodbury, N. J., and C. H. Thayer, Wallingford, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Catalytic reactor. 2,276,340; Mar. 17.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Core for electrical devices. 2,276,793; Mar. 17.
Progressive Service Company. (See Deubel, Carl G., assignor.)
Provenzano, Gaetano, Greenwich, Conn. Safety airplane 2,276,700; Mar. 17.
Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,276,341; Mar. 17.
Puckette, Charles C., assignor to The General Electric Company Limited, Coventry, England. Impulse transmitting device. 2,276,514; Mar. 17.
Pullis, George A., Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency indicator. 2,276,669; Mar. 17.
Purdue Research Foundation. (See Kraybill, H. R., Brewer, and Thornton, assignors.)
Pusey, George T., Jr., Cynwyd, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Carrier for artificial teeth. 2,276,701; Mar. 17.
Quilter, John R. C., Woking, England. Connector. 2,276,628; Mar. 17.
Quinn, Clara E., assignor to Broquinda, Inc., St. Petersburg, Fla. Thermostatic control means. 2,276,872; Mar. 17.
Race, Peter P. (See Hugh, Joseph A., assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Brady, Raymond F., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Dodelin, Emil A., assignor.)
Radio Corporation of America. (See Grundmann, Gustave L., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Horowitz, A., and Fennema, assignors.)
Radio Corporation of America. (See Hunter, James H., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Kroger, Fred H., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Mendelson, Hans, assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Rambo, Sheldon I., Baltimore, and R. Lee, Catonsville, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable frequency coupling. 2,276,873; Mar. 17.
Randall Company, The. (See Weaver, M. C., and Skinner, assignors.)
Ray, William R., Beverly Hills, Calif. Operator. 2,276,591; Mar. 17.
Read, R. J. (See Culbertson, William L., assignor.)
Recknagel, Alfred. (See Brueche, Ernst, and Recknagel.)
Recomatic S. A. (See Colombi, C., and Monney, assignors.)
Records, Elmer H., and J. E. Louttit, Tacoma, Wash.: said Louttit assignor to said Records. Recovering hydrocarbon oils and other byproducts from oil shale and the like. 2,276,342; Mar. 17.
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Reed Roller Bit Company. (See Harrington, George G., assignor.)
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Shifting means for variable speed drive. 2,277,004; Mar. 17.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Regents of the University of Minnesota. (See Reyerson, L. H., and Gernes, assignors.)
Reifenberg, Joseph H., and L. J. Greenawalt, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dishwasher valve. 2,276,670; Mar. 17.
Reitman, Clara V., Chicago, Ill. Reflecting safety device. 2,276,592; Mar. 17.
Rentschler, Mahlon J., and C. H. Van Dusen, Jr., Willoughby, Ohio. Molding iron and steel. 2,276,671; Mar. 17.
Reyerson, Lloyd H., St. Paul, and D. C. Gernes, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Gasifying lignite. 2,276,343; Mar. 17.
Reynolds, Harold C., Jr., Roselle Park, and H. S. Kellog, Union City, N. J., assignors to Standard Oil Development Company. Acid- and alkali-resistant cellulose ester coating compositions. 2,276,874; Mar. 17.
Ricci, Francesco, Guidonia, Italy. Fuel feed control for internal combustion engines. 2,276,794; Mar. 17.
Rich, Keith, Chicago, Ill., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the P. S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the C. L. Harper Trust. Gas burner construction. 2,276,629; Mar. 17.
Richards, Cecil C., West New York, assignor to Groov-Pin Corporation, Union City, N. J. Thread rolling die. ,276,875; Mar. 17.
Richardson, Ralph R., assignor to United Biscuit Company of America, Chicago, Ill. Carton making apparatus. 2,276,997; Mar. 17.
Riester, Oskar. (See Wilmanns, G., and Riester.)
Rietz, Edward L., Riverside, Ill., assignor to International Harvester Company. Wheel. 2,276,876; Mar. 17.
Riley, George, Los Angeles, Calif. Engine. 2,276,593; Mar. 17.
Riparbelli, Carlo, and N. De Martino, Rome, Italy. Transmission mechanism with automatically variable ratio. 2,276,702; Mar. 17.
Robb, Theodore D., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switchboard. 2,276,515; Mar. 17.
Roberts, George I. (See Long, J. W., and Roberts.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation indicator. 2,276,672; Mar. 17.
Robertshaw Thermostat Company. (See Weber, Victor, assignor.)
Rocker, William P., assignor to Southern Spring Bed Company, Atlanta, Ga. Display stand. 2,276,795; Mar. 17.
Rockwell, Edward A., Forest Hills, N. Y. Apparatus for controlling the application of power. 2,276,418; Mar. 17.
Rogers, George D., U. S. Army, Washington, D. C. Connector. 2,276,344; Mar. 17.
Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Speed measuring apparatus. 2,276,739; Mar. 17.
Rogers, George L., Schenectady, N. Y., assignor to General Electric Company. Energy storage welding system. 2,276,796; Mar. 17.
Rolls, Oscar, Hønefoss, Norway. Paper machine. 2,276,877; Mar. 17.
Rolscreen Company. (See Kuyper, Peter H., assignor.)
Roos, Edward, River Forest, Ill. Chest. 2,276,419; Mar. 17.
Rose, Johannes. (See Conrad, Alfred, assignor.)
Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Nebulizer. 2,276,878; Mar. 17.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,276,345; Mar. 17.
Rosenfeld, Bruno, Rehovoth, Palestine. Fermentation of vegetable waste. 2,276,420; Mar. 17.
Ross, Colin W., Melbourne, Victoria, assignor to Elliotts & Australian Drug Pty. Limited, Sydney, New South Wales, Australia. Blood transfusion and storage apparatus. 2,276,421; Mar. 17.
Rossi, Irving. (See Junghans, Siegfried, assignor.)
Rote, Melvin A., Newark, N. J., assignor to International Telephone Development Co. Inc., New York, N. Y. High frequency oscillator. 2,276,879; Mar. 17.
Rowell, George S., assignor to George T. Trundle, as trustee, Cleveland, Ohio. Process of preparing printing members and product thereof. 2,276,594; Mar. 17.
Roy, Nancy, Miami, Fla. Cushion. 2,276,516; Mar. 17.
Ruben, Samuel, New Rochelle, N. Y. Dielectric composition. 2,276,346; Mar. 17.
Ruse, Carl R., assignor to Plastic Lights, Inc., Toledo, Ohio. Vitreous enameling. 2,277,005; Mar. 17.
Ruska, Ernst, and H. Schuchmann, Berlin-Spandau, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Electronic microscope. 2,277,024; Mar. 17.
Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,277,006; Mar. 17.
Russell, Arthur G., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Self-threading and thread-tensioning shuttle. 2,276,880; Mar. 17.
Ruths, Robert J., Baltimore, Md., and H. L. Dodson, U. S. Navy. Hub construction for hydraulic operated variable pitch propellers. 2,276,347; Mar. 17.
Ruzicka, Leopold, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Oxidation products of the cyclopentano-polyhydrophenanthrene series and making same. 2,276,547; Mar. 17.

Ryan, Joseph R. (See Kauffmann, H. O., Margulies, and Ryan.)
Sachsenmaier, Ervin S., Cordele, Ga., assignor to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Forming selvages on full fashioned knitting machines. 2,276,906; Mar. 17.
St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,276,892; Mar. 17.
Saito, Tokutaro, Yokohama, Japan, assignor to General Electric Company. Control device. 2,276,740; Mar. 17.
Sanford, Hugh W., Knoxville, Tenn. Closure. 2,276,907; Mar. 17.
Schaeffer, Hugh C. (See Hoover, H., Jr., and Schaeffer.)
Schelle, August, Elmhurst, Long Island, N. Y. Boot holder. 2,276,741; Mar. 17.
Schellenger, Newton C., El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Switch construction. 2,276,673; Mar. 17.
Schimmel, Fridolin, Faribault, assignor to H. E. Schimmel, Minneapolis, Minn. Counterbalanced window sash. 2,276,881; Mar. 17.
Schimmel, Herbert E. (See Schimmel, Fridolin, assignor.)
Schisler, Edward J., Latrobe, Pa. Extractor removing tool. 2,276,348; Mar. 17.
Schiwy, Alfred. (See Schön, E., Schiwy, and Woehner.)
Schluma, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Thread covering apparatus. 2,276,797; Mar. 17.
Schmid, Franz, Lucerne, Switzerland. Infinitely variable speed gear. 2,276,908; Mar. 17.
Schmidt, Karl F., Indianapolis, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,276,742; Mar. 17.
Schmidt, Lambert, Leeds, N. Y. Fuse plug construction. 2,276,703; Mar. 17.
Schmidt, Willi. (See Niemann, G., Schmidt, Muehlbauer, and Wiest.)
Schneevoigt, Alwin, and J. Beck, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Thickening agent for printing and discharging pastes. 2,276,704; Mar. 17.
Schneider, Wilhelm, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of photographic multi-color pictures. 2,276,548; Mar. 17.
Schneiderwirth, Herman J., Mount Vernon, N. Y. Gastric mucin products and processes for producing same. 2,276,882; Mar. 17.
Scholz, Caesar. (See Miescher, K., Fischer, Scholz, and Wettstein.)
Schön, Ewald, and A. Schiwy, Buer, and E. Woehner, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard Catalytic Company. Apparatus for preheating liquid carbonaceous material. 2,276,883; Mar. 17.
Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Controller. 2,276,674; Mar. 17.
Schroder, Konstantin. (See Hoefert, R., and Schroder.)
Schroeter, Bruno. (See Scully, S. M., and Schroeter.)
Schuchmann, Hans. (See Ruska, E., and Schuchmann.)
Scott, Howard, Wilkinsburg, Pa. Reed structure. 2,276,884; Mar. 17.
Scott, William M., Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to I-T-E Circuit Breaker Company. Circuit breaker tripping system. 2,276,675; Mar. 17.
Scully, Frank P., Cambridge, and A. E. Mathey, Auburndale, assignors to Scully Signal Co., East Cambridge, Mass. Audible signaling means for tanks. 2,276,798; Mar. 17.
Scully, Samuel M., and B. Schroeter, assignors to O. & S. Bearing Company, Detroit, Mich. Bearing construction. 2,276,349; Mar. 17.
Scully Signal Co. (See Scully, F. P., and Mathey, assignors.)
Segessemann, Ernst, Newark, assignor to National Oil Products Company, Harrison, N. J. Treatment of tall oil. 2,276,517; Mar. 17.
Seiffert, Bernhard, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,276,518; Mar. 17.
Senghusch, Gustav J., Milwaukee, Wis. Inkstand. 2,276,350; Mar. 17.
Senghusch, Gustav J., Milwaukee, Wis. Inkstand. 2,276,351; Mar. 17.
Senghusch, Gustav J., Milwaukee, Wis. Inkstand. 2,276,352; Mar. 17.
Sensenig, Miles L. (See Dellinger, P. C., and Sensenig.)
Servel, Inc. (See Thomas, Albert R., assignor.)
Sharp & Dohme, Incorporated. (See Vollmer, Hermann, assignor.)
Sharples Chemicals Inc. (See Olin, John F., assignor.)
Sharples Corporation, The. (See Ayres, Arthur U., assignor.)
Sharples Corporation, The. (See Ayres, A. U., and Hill, assignors.)
Shaulson, Joseph, Providence, R. I. Adjustable buckle. 2,276,595; Mar. 17.
Sheffield Corporation, The. (See Poock, L. F., and Aller, assignors.)
Shell Development Company. (See Parsons, G. S., and McMillan, assignors.)
Shell Development Company. (See von Fuchs, G. H., and Zuidema, assignors.)
Shellabarger, William B., Detroit, Mich. Electrode holder. 2,276,549; Mar. 17.
Shellmar Products Company. (See Gurwick, Irving, assignor.)
Sheppard, Richard H., Hanover, Pa. Fuel injection pump. 2,276,630; Mar. 17.
Sherk, Joseph L., and C. F. Cummins, assignors to The Dow Chemical Company, Midland, Mich. Alkali resistant coating. 2,276,519; Mar. 17.
Sherlock, John E., Sunbury-on-Thames, England. Thermally operated electric switch. 2,276,885; Mar. 17.
Shimizu, Toshiyuki, and S. Hamada, Tokyo, Japan, assignors to General Electric Company. Wave meter. 2,276,743; Mar. 17.
Shortland, Arthur. (See Bromley, T. C., Shortland, Hill, and Hooper.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Koplemann, Floris, assignor.)
Siemer, Edward L., Wichita, Kans. Collapsible core for wall molds. 2,276,422; Mar. 17.
Signal Engineering & Manufacturing Company. (See Pool, Clark, and Cypser, assignors.)
Signode Steel Strapping Company. (See Leslie, John W., assignor.)
Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Recording system. 2,276,423; Mar. 17.
Singer Manufacturing Company, The. (See Fey, Wealthey E., assignor.)
Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
Siversen, Ludvig K., San Francisco, and J. D. Stigen, Oakland, Calif. Automatic hydraulic safety lock for oil burners. 2,276,424; Mar. 17.
Skinner, Frank C. (See Weaver, M. C., and Skinner.)
Skyum, Christian E., Chicago, Ill. Awning. 2,276,550; Mar. 17.
Slattery, Michael C., Owen Sound, Ontario, Canada. Venetian blind. 2,276,425; Mar. 17.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,276,426; Mar. 17.
Smith, George A., Baltimore, Md. Hair and scalp cleaning device. 2,276,886; Mar. 17.
Smith, Elmer L., Longmeadow, and C. E. Melhorn, assignors to Package Machinery Company, Springfield, Mass. Gum wrapping machine. 2,276,744; Mar. 17.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Tearing strip applying device. 2,276,745; Mar. 17.
Smith, Kline & French Laboratories. (See Nabenbauer, Fred P., assignor.)
Smith, S., & Sons (Motor accessories) Limited. (See Meredith, Frederick W., assignor.)
Smith, Tucker P., Columbus, Ohio. Athletic shoe. 2,276,887; Mar. 17.
Smith, Walter G. E., Portland, Oreg. Discharge element of flat screens. 2,276,631; Mar. 17.
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and method. 2,276,705; Mar. 17.
Smye, Arthur, assignor to Wilmot-Breeden Limited, Birmingham, England. Window raising and lowering mechanism. 2,276,427; Mar. 17.
Society of Chemical Industry in Basle. (See Stocker, R., and Bucher, assignors.)
Solvay Process Company. (See Brown, Ralph L.)
Sonnemann, William K., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flared-ratio differential relay and auxiliary transformer therefor. 2,276,888; Mar. 17.
Soreng, Edgar M., assignor to Soreng-Manegold Company, Chicago, Ill. Electric switch. 2,276,428; Mar. 17.
Soreng-Manegold Company. (See Soreng, Edgar M., assignor.)
Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. 2,276,706; Mar. 17.
Southern Spring Bed Company. (See Rocker, William P., assignor.)
Sparks, William J. (See Gleason, A. H., and Sparks.)
Spencer, Lee, Flushing, N. Y. Rail anchoring means. 2,276,799; Mar. 17.
Sperry Gyroscope Company, Inc. (See Harding, W. G., and Nisbet, assignors.)
Spitz, Henry, New York, N. Y. Combination garment hanger. 2,276,429; Mar. 17.
Sprague, Clarence B., assignor to American Box Board Company, Grand Rapids, Mich. Ventilated container. 2,276,800; Mar. 17.
Staley, A. E., Manufacturing Company. (See Langlois, David P., assignor.)
Stanco Incorporated. (See Rose, William H., assignor.)
Standard Brands Incorporated. (See Bennett, William G., assignor.)
Standard Catalytic Company. (See Schön, E., Schiwy, and Woehner, assignors.)
Standard Oil Company. (See Tucker, E. B., and Grubb, assignors.)

Standard Oil Development Company. (See Thomas, R. M., and Lightbown, assignors.)
Standard Oil Development Company. (See Atkinson, Burton, assignor.)
Standard Oil Development Company. (See Fisher, Harold W., assignor.)
Standard Oil Development Company. (See Gleason, A. H., and Sparks, assignors.)
Standard Oil Development Company. (See Reynolds, H. C., Jr., and Kellog, assignors.)
Standard Stoker Company, The. (See Davison, Charles R., assignor.)
Stanley, Herbert M., Tadworth, and H. P. Staudinger, Sutton, England. Polymerization of styrene and its homologs. 2,276,596; Mar. 17.
Stanley, Herbert M., Tadworth, and P. Eaglesfield, Carshalton, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of glycol ethers. 2,276,597; Mar. 17.
Stanolind Oil and Gas Company. (See Silverman, Daniel, assignor.)
Stanolind Pipe Line Company. (See Wilson, Charles E., assignor.)
Stapelfeld, Charles J., Torrance, assignor of seven-twentieths to D. G. Bachtold, Long Beach, and six-twentieths to M. I. Church, Whittier, Calif. Production of insulation and rubber goods. 2,276,520; Mar. 17.
Stark, Elsie M., New York, N. Y. Dishwashing brush. 2,276,889; Mar. 17.
Stark, Harold W., Detroit, Mich. Forming or working metal elements. 2,276,521; Mar. 17.
Staub, Alfred. (See Mettler, C., Martin, Neracher, and Staub.)
Staudinger, Hanns P. (See Stanley, H. M., and Staudinger.)
Staufer, Franz, assignor to Dornier Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Wing system for airplanes. 2,276,522; Mar. 17.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Friction clutch. 2,276,430; Mar. 17.
Steel Heddle Manufacturing Co. (See Kaufmann, John J., Jr., assignor.)
Steele, James W., North Kansas City, Mo. Weed digging and gathering tool. 2,276,746; Mar. 17.
Steffes, Adam P. G., Los Angeles, Calif. Selector. 2,276,747; Mar. 17.
Steinbiss, Carl H., assignor to Lyons-Magnus, Incorporated, San Francisco, Calif. Packing and merchandising container. 2,276,890; Mar. 17.
Steiner, Carl, and R. Sterner-Rainer, Heilbronn-on-the-Neckar, Germany, assignors to American Lurgi Corporation, New York, N. Y. Composite bearing. 2,277,023; Mar. 17.
Stelter, Anna D. M. (See Stelter, Francis C. W. and A. D. M.)
Stelter, Francis C. W. and A. D. M., New York, N. Y. Cash register burglar alarm. 2,276,632; Mar. 17.
Stenersen, Albert H., Chicago, Ill., assignor to Eversharp, Inc. Clip for pocket articles. 2,276,891; Mar. 17.
Sterner-Rainer, Roland. (See Steiner, C., and Sterner-Rainer.)
Stevenson, Halsey B. (See Hanford, W. E., and Stevenson.)
Stewart, Enos A., Canton, Ohio. Cored brick. 2,276,431; Mar. 17.
Stigen, John D. (See Siversen, Ludvig K., and Stigen.)
Stocker, Robert, and A. Bucher, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of heavy metal compounds of phthalocyamines. 2,276,598; Mar. 17.
Stoddard, Edgar S., Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Detergent cup for washing apparatus. 2,276,801; Mar. 17.
Stokes and Smith Company. (See Bailey, Walter T., assignor.)
Stollenwerk, Johann, Nowawes, near Potsdam, Germany. Collapsible trestle for stretchers. 2,276,998; Mar. 17.
Stoombandfabriek N. V. van Engelen & Evers. (See Margadant, Frans G. C., assignor.)
Stover, Clyde N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitted fabric. 2,276,523; Mar. 17.
Straitiff, William G. (See Kemp, A. R., and Straitiff.)
Strautman, Henry, and K. Jauch, St. Louis, Mo. Oil burner. 2,276,802; Mar. 17.
Stucki, Eda E. (See Stucki, John and E. E.)
Stucki, John and E. E., Parkville, Mo. Gate. 2,276,432; Mar. 17.
Sturman, Alton W., Minneapolis, Minn. Valve structure. 2,276,433; Mar. 17.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,276,803; Mar. 17.
Sun Oil Company. (See Jolly, S. E., and Perrine, assignors.)
Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Automatic lock slider for slide fasteners. 2,276,676; Mar. 17.
Swain, Herbert F., Tappan, N. Y. Matchbox or the like. 2,277,021; Mar. 17.
Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rotary converter control system. 2,276,633; Mar. 17.
Talon, Inc. (See Sundback, Gideon, assignor.)
Tassano, Henry A., San Francisco, Calif. Football game apparatus. 2,276,599; Mar. 17.
Taylor, Frank B., and L. Buckwalter, Wichita, Kans. Binder for the exposed edge of shingles or the like. 2,276,804; Mar. 17.
Taylor, Ned, Georgiana, Ala. Fishing pole. 2,276,524; Mar. 17.
Taylor-Winfield Corporation. (See Green, Vernor W., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kreienfeld, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Preisig, Joseph, assignor.)
Teletype Corporation. (See Boehmer, Alexander H., assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Teletype Corporation. (See Zenner, Raymond E., assignor.)
Thayer, Clarence H. (See Prickett, T. B., and Thayer.)
Thielert, Hermann. (See Bienert, B., and Thielert.)
Thomas, Albert R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,276,434; Mar. 17.
Thomas, Robert M., Union, and I. E. Lightbown, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerization of olefins to high molecular weight hydrocarbon polymers. 2,276,893; Mar. 17.
Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vibratory jack. 2,276,435; Mar. 17.
Thompson, Harry, assignor to Genco Mfg. Co., Chicago, Ill. Switch means for ball rolling games. 2,276,748; Mar. 17.
Thompson, John S., assignor to Parker Rust Proof Company, Detroit, Mich. Coating. 2,276,353; Mar. 17.
Thorn, Millard F., Nevada, Tex. Lifting and carrying tool. 2,276,600; Mar. 17.
Thornton, Max H. (See Kraybill, H. R., Brewer, and Thornton.)
Throckmorton, John W., Wilton, and J. S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y. Apparatus for heating fluids. 2,276,527; Mar. 17.
Throckmorton, John W., Wilton, and J. S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y. Apparatus for heating fluids. 2,276,528; Mar. 17.
Throckmorton, John W., Wilton, and J. S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y. Furnace construction. 2,276,529; Mar. 17.
Times Telephoto Equipment Inc. (See Cooley, Austin G., assignor.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,276,753; Mar. 17.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tolman, Edgar B., Jr., Chicago, Ill. Apparatus for cleaning filter surfaces of pneumatic conveyer apparatus. 2,276,805; Mar. 17.
Tonks, Lewi, Schenectady, N. Y., assignor to General Electric Company. High frequency apparatus. 2,276,806; Mar. 17.
Topfer, Herbert. (See Zirzow, E., and Topfer.)
Torrington Manufacturing Company, The. (See Halvorsen, E. W., and Bergevin, assignors.)
Trainer, James E., Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Welding method and apparatus. 2,276,354; Mar. 17.
Tratsch, Walter A. (See Patzer, W., and Tratsch.)
Traylor Vibrator Company, The. (See Francis, Earle V., assignor.)
Tritle, John F., J. W. McNairy and C. A. Petersen, Erie, Pa., assignors to General Electric Company. Vehicle drive system. 2,276,807; Mar. 17.
Tritle, John F., and C. A. Petersen, Erie, Pa., assignors to General Electric Company. Resistor. 2,276,808; Mar. 17.
Tropon-Werke Dinklage & Co. (See Kulz, Fritz, assignor.)
Trotter, Henry R., Glencoe, assignor to R. R. Donnelly & Sons Company, Chicago, Ill. Apparatus for inking plate cylinders. 2,276,525; Mar. 17.
Trundle, George T., trustee. (See Rowell, George S., assignor.)
Tucker, Elton B., Highland, Ind., and H. M. Grubb, assignors to Standard Oil Company, Chicago, Ill. Coating mineral aggregates. 2,276,436; Mar. 17.
Turner, Thomas Rolf, Kelowna, British Columbia, Canada. Wagon brake assembly. 2,276,601; Mar. 17.
Ulrich, Charles B., Jamestown, N. Y. Plan file. 2,276,707; Mar. 17.
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)

United Biscuit Company of America. (See Richardson, Ralph R., assignor.)
United Engineering and Foundry Company. (See Bagno, Samuel J. A. M., assignor.)
United Gas Improvement Company, The. (See Chaney, Newcomb K., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Cummings, Roy W., assignor.)
United Shoe Machinery Corporation. (See Fredericksen, James P., assignor.)
United Shoe Machinery Corporation. (See Glidden, Harvey L., assignor.)
United Shoe Machinery Corporation. (See Goodwin, Willis R., assignor.)
United Shoe Machinery Corporation. (See Monfils, Napoleon A., assignor.)
United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United Specialties Company. (See Erickson, Charles A., assignor.)
United Specialties Co. (See Moore, Clarence W., assignor.)
United States Rubber Company. (See Coleman, Clyde, assignor.)
United States Rubber Company. (See Gibbons, W. A., and Lewis, assignors.)
United States Rubber Company. (See Howland, Louis H., assignor.)
Universal Form Clamp Co. (See Boettner, Joseph L., assignor.)
Utley, Ray C., and A. Feilchenfeld, Jr., Chicago, Ill. Hat steamer. 2,276,809; Mar. 17.
Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,276,437; Mar. 17.
Vanadium Corporation of America. (See Chandler, Henry T., assignor.)
Van Buren, Walter H., Akron, and P. W. Van Orden, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Belt and treating the same. 2,276,438; Mar. 17.
Vanderveer, Jewell W., Erie, Pa. Ground vase. 2,276,749; Mar. 17.
Van Dusen, Charles H., Jr. (See Rentschler, M. J., and Van Dusen, Jr.)
Van Orden, Paul W. . (See Van Buren, W. H., and Van Orden.)
Van Ranst, Cornelius W., Detroit, Mich. Rotary pump. 2,276,355; Mar. 17.
Vardy, Michael, New York, N. Y. Heel support for backless slippers. 2,276,894; Mar. 17.
Velykis, Robert B., Paulsboro, N. J., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Catalytic reactor. 2,276,356; Mar. 17.
Vereinigte Glühlampen und Elektrizitäts Aktiengesellschaft. (See Preisach, F., and Zakarias, assignors.)
Viber Company. (See Gordon, Graham M., assignor.)
Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Hydraulic system. 2,276,357; Mar. 17.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power saving pump jack. 2,276,358; Mar. 17.
Vickers Incorporated. (See Vickers, Harry F., assignor.)
Vollmer, Hermann, New York, N. Y., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Therapeutically active preparation. 2,276,677; Mar. 17.
Von Ardenne, Manfred, Berlin, Germany. Television projection tube. 2,276,360; Mar. 17.
Von Ardenne, Manfred, Berlin-Lichterfelde-Ost, Germany. Television image projection device. 2,276,359; Mar. 17.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany. Television image projection system. 2,276,750; Mar. 17.
Von Ardenne, Manfred, Berlin, Germany. Storage projection tube. 2,277,007; Mar. 17.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany. Television projection tube. 2,277,008; Mar. 17.
Von Ardenne, Manfred, Berlin-Lichterfelde-Ost, Germany. Television image projection tube. 2,277,009; Mar. 17.
Von Fuchs, George H., Wood River, and H. H. Zuidema, Edwardsville, Ill., assignors to Shell Development Company, San Francisco, Calif. Process for refining hydrocarbon oils. 2,276,526; Mar. 17.
Von Klenck, Jürgen, Frankfort-on-the-Main, Hochst, and J. Nüsslein, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Dyeing and the products thus obtained. 2,276,602; Mar. 17.
Voorhies, Carl, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Internal combustion engine. 2,276,439; Mar. 17.
Voos, Frederick A. (See Fritts, M., and Voos.)
Vosseler, Heinrich F., and H. A. W. Pierard, Stratford, assignors to said Vosseler, said Pierard, W. H. Young, Hawera, New Zealand, and B. G. A. Harkness, New Plymouth, New Zealand. Hydraulic transmission means. 2,276,895; Mar. 17.
Vroom, Robert C. (See Graham, D. P., and Vroom.)
Wade, Allan J., Schenectady, N. Y., assignor to General Electric Company. Electric valve control system. 2,276,810; Mar. 17.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Walker, Brooks, Piedmont, Calif. Ski binding. 2,276,896; Mar. 17.
Walker, Brooks, Piedmont, Calif. Venetian blind. 2,276,897; Mar. 17.
Walker, Brooks, Piedmont, Calif. Venetian blind. 2,276,898; Mar. 17.
Walker, Walter S., Helena, Mo. Terracing machine. 2,276,551; Mar. 17.
Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,276,634; Mar. 17.
Wallace, James M., North Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,276,899; Mar. 17.
Wallace, John M. (See Bright, Elvin M., assignor.)
Wallis, John S. (See Throckmorton, J. W., and Wallis.)
Walsh, William, London, England. Internal fitting for hollow containers. 2,276,440; Mar. 17.
Ward, H. H., Company. (See Ward, Samuel B., assignor.)
Ward, Samuel B., Chester Heights, assignor to H. H. Ward Company, Chester, Pa. Refrigerator. 2,276,811; Mar. 17.
Warlick, Charles D., and M. D. Ijames, Salisbury, N. C. Direction signal. 2,276,441; Mar. 17.
Warner Aircraft Corporation. (See Majneri, Ludwig A., assignor.)
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Take-up for sewing machines. 2,276,900; Mar. 17.
Waters, Millard F., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Liquid and gas separator. 2,276,277; Mar. 17.
Watson, Oliver, Dayton, assignor of one-half to B. F. Downey, Springfield, Ohio. Liquid gauge. 2,276,901; Mar. 17.
Weaver, Maxwell C., Cincinnati, Ohio, and F. C. Skinner, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio. Trim strip. 2,276,530; Mar. 17.
Webb, Lewis W. and J. W. McNairy, Erie, Pa., assignors to General Electric Company. Electric vehicle drive system. 2,276,812; Mar. 17.
Webber, Carroll A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York. N. Y. Electrical conductor. 2,276,902; Mar. 17.
Weber, Charles F., L. H., W. F., F. H., E. W., and L. G. (See Weber, John, Jr., etc.)
Weber, John, Jr., C. F., L. H., W. F., F. H., E. W., and L. G., and C. A. Goetzman, Muscatine, Iowa. Self-shank button chuck. 2,276,552; Mar. 17.
Weber, Karl A., Los Angeles, Calif. Low temperature cabinet. 2,276,635; Mar. 17.
Weber, Victor, Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Lighting device. 2,276,751; Mar. 17.
Wechsler, Ralph, Hillside, N. J., and B. A. Dombrow, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J. Water-dispersible vitamin composition. 2,276,531; Mar. 17.
Weidner, William C. (See Miller, A. J., Bucknam, and Weidner.)
Welsh Manufacturing Company. (See Lindblom, Frank W., assignor.)
Weltronic Corporation. (See Collom, Cletus J., assignor.)
Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Conveyer drive. 2,276,903; Mar. 17.
Welty, Earl P., Center Valley, Pa., assignor to Bethlehem Steel Company. Drill. 2,276,532; Mar. 17.
Werckle, Frank W. (See Haag, A. R., Werckle, and Locher.)
Werner, Georg, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Thiocarbonates and iminothiocarbonates of aromatic polyhydroxy compounds. 2,276,553; Mar. 17.
West, Fletcher L., assignor to The McCaskey Register Company, Alliance, Ohio. Register control lock. 2,276,442; Mar. 17.
Western Electric Company. (See Bandur, Adolph F., assignor.)
Western Electric Company, Incorporated. (See Stover, Clyde N., assignor.)
Western Union Telegraph Company. (See Franklin, Lawrence W., assignor.)
Western Union Telegraph Company, The. (See Long, J. W., and Roberts, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ackermann, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bates, Harry H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Boswau, Hans P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Buchanan, Leslie B. M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Burr, Gordon A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, F., Wilson, Hein, and Hague, assignors.)
Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Germany, James H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hayford, Benjamin I., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hayford, B. I., and Fletcher, assignors.)
Westinghouse Electric & Manufacturing Company. (See Holler, Homer D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jacobi, William H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Frederick B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., Johnson, and Berkey, assignors.)
Westinghouse Electric & Manufacturing Company. (See Nau, Robert H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pierce, Lawrence, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rambo, S. I., and Lee, assignors.)
Westinghouse Electric & Manufacturing Company. (See Reifenberg, J. H., and Greenawalt, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sonnemann, William K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tallaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See White, Alfred B., assignor.)
Wettstein, Albert. (See Miescher, K., Fischer, Scholz, and Wettstein.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic long filler feed for cigar machines. 2,276,361; Mar. 17.
Wheeler, Louis W., Toronto, Ontario, assignor to Ingram & Bell, Limited, Toronto, County of York, Province of Ontario, Canada. Combination top and medicine container for medicine glasses. 2,276,678; Mar. 17.
White, Alfred B., Forest Hills, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power system. 2,276,636; Mar. 17.
Whitehead, Frederick W., Bristol, and S. J. Harley, Coventry, England. Production of metal components by grinding. 2,276,904; Mar. 17.
Whitin Machine Works. (See Schlums, Otto W., assignor.)
Wiest, Georg. (See Niemann, G., Schmidt, Muehlbauer, and Wiest.)
Wildt and Company Limited. (See Holmes, Henry H.)
Wilkerson, Jefferson R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,276,533; Mar. 17.
Williams, Furnam, et al. (See Heap, William E., assignor.)
Williams, Harry E., and L. A. Durant, Chicago, Ill. Amusement apparatus control circuit. 2,276,813; Mar. 17.
Williams, J. B., Company, The. (See Guest, Herbert H., assignor.)
Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric control circuits. 2,276,752; Mar. 17.
Willis, Daniel C. P., assignor to C. A. Parsons & Company, Limited, Newcastle-on-Tyne, England. Butt-jointing device. 2,276,603; Mar. 17.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and O. Riester, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic emulsion. 2,276,554; Mar. 17.
Wilmot-Breeden Limited. (See Smye, Arthur, assignor.)
Wilson, Charles E., Manhattan, Ill., assignor to Stanolind Pipe Line Company, Tulsa, Okla. Method and apparatus for blocking off pipe lines. 2,276,443; Mar. 17.
Wincharger Corporation. (See Albers, J. R. and G. H., assignors.)
Windsor, Nelson, South Bend, Ind. Sheet grab for hoists. 2,276,905; Mar. 17.
Winthrop Chemical Company. (See Mietzsch, F., Behnisch, and Klarer, assignors.)
Winthrop Chemical Company, Inc. (See Werner, Georg, assignor.)
Woehner, Ewald. (See Schön, E., Schiwy, and Woehner.)
Wolf, Charles H., and R. E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Wolf. Electric switch. 2,276,555; Mar. 17.
Wolf, Clayton S., New Haven, Conn., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Vacuum treatment of coking coals. 2,276,362; Mar. 17.
Wolf, Walter A. (See Hill, H. C., and Wolf.)
Wolf, Walter A. (See Hill, H. C., Wolf, and Chilton.)
Wood, Arthur W., Miami, Fla. Wrist watch bracelet. 2,276,604; Mar. 17.
Woodhead, Daniel, Barrington, Ill. Electric connector. 2,276,557; Mar. 17.
Woodland, Cecil R., J. W. McClew, and E. I. Houghton, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Impulse sending mechanism. 2,276,444; Mar. 17.
Wright Aeronautical Corporation. (See Hill, H. C., and Wolf, assignors.)
Wright Aeronautical Corporation. (See Hill, H. C., Wolf, and Chilton, assignors.)
Wright Aeronautical Corporation. (See Lundquist, Wilton G., assignor.)
Wyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seismograph amplifier. 2,276,708; Mar. 17.
Wyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for and method of seismograph prospecting. 2,276,709; Mar. 17.
Yale & Towne Manufacturing Company. (See Potter, R. S., and Bennett, assignors.)
Yale & Towne Manufacturing Company, The. (See Schroeder, Charles S., assignor.)
Young, Homer W., Springfield, Mo. Radio timing device. 2,276,445; Mar. 17.
Young, William H., et al. (See Vosseler, H. F., and Pierard, assignors.)
Zahn, Karl, and H. Koch, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. 5,6,7,8-tetrahydroanthraquinone derivatives containing nitrogen and preparing them. 2,276,637; Mar. 17.
Zaiger, Max, Swampscott, Mass. Windshield wiper. 2,276,556; Mar. 17.
Zakarias, Imre. (See Preisach, F., and Zakarias.)
Zalkind, Philip, New York, N. Y. Container material and parts therefor. 2,276,363; Mar. 17.
Zenner, Raymond E., Brookfield, assignor to Teletype Corporation, Chicago, Ill. Motion controlling apparatus. 2,276,754; Mar. 17.
Zimmerman, Louis, Pittsburgh, Pa. Gun sight. 2,276,446; Mar. 17.
Zirzow, Egon, Berlin, and H. Töpfer, Berlin-Siemensstadt, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Circuit arrangement for automatic telephone installations. 2,276,447; Mar. 17.
Zuber, Emil F., Peoria, Ill., assignor to The Michigan Silo Company, Kalamazoo, Mich. Closed cavity end concrete block mold. 2,276,558; Mar. 17.
Zuidema, Hilbert H. (See von Fuchs, G. H., and Zuidema.)
Zwickl, Joseph R., Philadelphia, Pa., assignor, by mesne assignments, to A. B. Crouch, Schenectady, N. Y. Refrigeration system. 2,276,814; Mar. 17.

LIST OF PLANT INVENTIONS

Peach. W. T. Kirkman, Jr. 506; Mar. 17.

Tree, Peach. R. B. Wiser. 507; Mar. 17.

LIST OF DESIGN INVENTIONS

Badge or similar article. B. S. Holmstock and A. Evalenko. 131,662; Mar. 17.
Bag or the like, Shopping. I. M. Hewson. 131,651; Mar. 17.
Bottle. M. A. Glueck. 131,668; Mar. 17.
Bottle, Glass. A. C. Meyer. 131,619; Mar. 17.
Box, Figure. D. Jacoby. 131,617; Mar. 17.
Brooch or similar article. A. Horwig. 131,652; Mar. 17.
Brush, Dabbing. C. G. Rowland. 131,653; Mar. 17.
Cabinet, radio, lamp, and lamp support, Combination book and magazine. M. R. Wright. 131,625; Mar. 17.
Camera. G. L. Lawrence. 131,631; Mar. 17.
Cape, Child's. J. M. Schwartz. 131,641; Mar. 17.
Cards, Deck of. A. Morré. 131,632; Mar. 17.
Clock case. C. B. Aske. 131,635; Mar. 17.
Container for liquids, Portable. D. T. Clements. 131,616; Mar. 17.
Container for perfume bottle or similar article. J. D. Buckingham. 131,665; Mar. 17.
Dial and hands for a watch or similar article, Combined. J. P. V. Heinmuller. 131,628; Mar. 17.
Door, Cabinet. A. Marchand. 131,638; Mar. 17.
Dress. L. Asteroff. 131,645–6; Mar. 17.
Dress. S. Berkowitz. 131,664; Mar. 17.
Dress. E. Cutler. 131,655; Mar. 17.
Dress. M. Giordano. 131,650; Mar. 17.
Dress. H. May. 131,660; Mar. 17.
Dress ensemble. W. Siepin. 131,642–3; Mar. 17.
Fan, Pedestal. W. L. Kisling. 131,669; Mar. 17.
Fire extinguisher. P. Evans, H. P. Jarden, and G. E. Schmunk. 131,636; Mar. 17.
Fork or analogous article. H. E. Nock. 131,670; Mar. 17.
Game board. O. Hammer. 131,627; Mar. 17.
Game board. E. S. Villeneuve. 131,634; Mar. 17.
Gauge. S. B. Ellwood. 131,626; Mar. 17.
Gauge or similar article. W. E. Hollingshead. 131,640; Mar. 17.
Iron or similar article, Electric. I. Edelman. 131,647; Mar. 17.
Jewelry finding. K. F. von Pantz. 131,661; Mar. 17.
Jewelry finding or similar article. G. Miller. 131,620; Mar. 17.
Life preserver, Reflector-equipped. R. S. Smuland. 131,637; Mar. 17.
Mower handle cross piece, Lawn. T. B. Funk. 131,667; Mar. 17.
Paper, Wrapping. J. W. Elder. 131,666; Mar. 17.
Pendant. A. Wertheim. 131,624; Mar. 17.
Plaque or similar article. H. M. Babl. 131,615; Mar. 17.
Ring or similar article, Finger. W. R. Rowan. 131,622; Mar. 17.
Rosary bead. H. Randall. 131,621; Mar. 17.
Screw driver, Portable power driven. A. G. Decker. 131,658; Mar. 17.
Screw driver unit, Portable electric. A. G. Decker. 131,657; Mar. 17.
Shoe. M. and C. A. Julianelli. 131,629; Mar. 17.
Spectacles, Pair of. E. W. Smith, Jr. 131,671; Mar. 17.
Spring cover repacker and leaf spring lubricator, Combined. O. F. Vrchota. 131,639; Mar. 17.
Spring for a cigarette dispenser, Ejector. L. Kriegsfeld. 131,618; Mar. 17.
Stand, Crutch. J. A. Tackaberry. 131,623; Mar. 17.
Sterilizer, Ultra-violet shoe. N. A. Whittaker. 131,644; Mar. 17.
Textile fabric. M. F. Faulconer. 131,648; Mar. 17.
Textile fabric. A. Klinke. 131,630; Mar. 17.
Textile fabric. W. D. Roberson. 131,633; Mar. 17.
Textile fabric, Knitted. A. Lehmann. 131,663; Mar. 17.
Tool unit, Portable power. A. G. Decker. 131,656; Mar. 17.
Tool unit, Portable power. A. G. Decker. 131,659; Mar. 17.
Tray, Letter. E. S. Gavin. 131,649; Mar. 17.
Ventilator for buildings. C. S. Warnock. 131,654; Mar. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. A. Rosenberger. 2,276,345; Mar. 17.
Abrading machine. A. C. Burleigh. 2,276,534; Mar. 17.
Absorption refrigeration system. J. W. Huffman. 2,276,977; Mar. 17.
Accelerator, Vulcanization. L. H. Howland. 2,276,975; Mar. 17.
Acid and alkali-resistant cellulose ester coating compositions. H. C. Reynolds and H. S. Kellog. 2,276,874; Mar. 17.
Aerial device for automobiles. H. H. Como. 2,276,935; Mar. 17.
Air conditioning system. H. Gibson. 2,276,835; Mar. 17.
Air conditioning system. F. H. Hibberd. 2,276,970; Mar. 17.
Air heating device. W. A. Hubbard. 2,276,400; Mar. 17.
Airplane. P. Barker. 2,276,642; Mar. 17.
Airplane, Safety. G. Provenzano. 2,276,700; Mar. 17.
Airscrew system. P. E. Mercier. 2,276,663; Mar. 17.
Alarm, Cash register burglar. F. C. W. and A. D. M. Stelter. 2,276,632; Mar. 17.
Alcoholic solutions containing resins, Homogeneous. T. F. Bradley. 2,276,267; Mar. 17.
Aldehydes of the saturated and unsaturated pregnane series. K. Miescher, W. Fischer, C. Scholz, and A. Wettstein. 2,276,543; Mar. 17.
α-methylphenethylamine, Separation of optically active. F. P. Nabenhauer. 2,276,508–9; Mar. 17.
Alternating current dynamoelectric machine, Polyphase. W. D. Horsley. 2,276,616; Mar. 17.
Amplifier, Limiting. M. G. Crosby. 2,276,565; Mar. 17.
Amusement apparatus control circuit. H. E. Williams and L. A. Durant. 2,276,813; Mar. 17.
Annealing furnace. C. B. Hoak. 2,276,971; Mar. 17.
Antenna feedback balancer, Ultra high frequency. F. H. Kroger. 2,276,497; Mar. 17.
Antifriction bearing. A. T. Gregory. 2,276,301; Mar. 17.
Antiskid device. H. R. Ansel. 2,276,640; Mar. 17.
Apparatus and method for crushing and segregating materials. M. Ovestrud. 2,276,333; Mar. 17.
Apparatus for and method of seismograph prospecting. R. D. Wyckoff. 2,276,709; Mar. 17.
Apparatus for cleaning filter surfaces of pneumatic conveyer apparatus. E. B. Tolman, Jr. 2,276,805; Mar. 17.
Apparatus for compacting materials by vibration. G. M. Gordon. 2,276,613; Mar. 17.
Apparatus for conditioning metal bodies. A. J. Miller, J. H. Bucknam, and W. C. Weidner. 2,276,329; Mar. 17.
Apparatus for controlling the application of power. E. A. Rockwell. 2,276,418; Mar. 17.
Apparatus for feeding sheets. W. T. Bailey. 2,276,683; Mar. 17.
Apparatus for forming metal closures. C. M. Bellg. 2,276,684; Mar. 17.
Apparatus for grinding diamonds and the like. A. Nagy. 2,276,789; Mar. 17.
Apparatus for heating fluids. J. W. Throckmorton and J. S. Wallis. 2,276,527–8; Mar. 17.
Apparatus for inking plate cylinders. H. R. Trotter. 2,276,525; Mar. 17.
Apparatus for locking control plungers in slide valve control devices. H. Jacobi. 2,276,979; Mar. 17.
Apparatus for preheating liquid carbonaceous material. E. Schön, A. Schiwy, and E. Woehner. 2,276,883; Mar. 17.
Apparatus for sealing expansion joints. L. P. Kovanda. 2,276,542; Mar. 17.
Apparatus for the classification of material. W. F. Carey. 2,276,761; Mar. 17.
Apparatus for variation of denier. E. Bauer. 2,276,999; Mar. 17.
Aralkylamines and their manufacture, Water-soluble, high molecular α-substituted. C. Mettler, H. Martin, O. Neracher, and A. Staub. 2,276,587; Mar. 17.
Article order assembly system and apparatus therefor. P. M. Farmer. 2,276,293; Mar. 17.
Article order segregating system and apparatus therefor. P. M. Farmer. 2,276,294; Mar. 17.
Articles, Coating porous. E. M. Bright. 2,276,685; Mar. 17.
Assembling means for brake shoe retracting springs. W. F. Boldt. 2,276,283; Mar. 17.
Atmosphere, Producing a purified protective. J. H. Germany. 2,276,690; Mar. 17.
Awning. C. E. Skyum. 2,276,550; Mar. 17.
Bag: *See*—
Shoe bag.
Band amplifier, Wide. G. L. Grundmann. 2,276,482; Mar. 17.
Barometer, Mercurial. J. B. Peterson. 2,276,334; Mar. 17.
Baseball game apparatus. G. E. Bock. 2,276,457; Mar. 17.
Bearing: *See*—
Antifriction bearing. Rotary bearing.
Composite bearing.
Bearing construction. S. McC. Scully and B. Schroeter. 2,276,349; Mar. 17.
Bearing means. H. Frauenthal. 2,276,384; Mar. 17.
Beehive clamp. B. L. Flanagan. 2,276,768; Mar. 17.
Beehive device. W. L. Culbertson, III. 2,276,938; Mar. 17.
Belt and treating same. W. H. Van Buren and P. W. Van Orden. 2,276,438; Mar. 17.
Billet conditioning apparatus. J. H. Bucknam and A. J. Miller. 2,276,759; Mar. 17.
Binder for the exposed edge of shingles or the like. F. B. Taylor and L. Buckwalter. 2,276,804; Mar. 17.
Binding, Ski. B. Walker. 2,276,896; Mar. 17.
Blasting initiator, Electric. M. H. English and R. R. Nydegger. 2,276,380; Mar. 17.
Blind, Venetian. C. J. Cardona. 2,276,716; Mar. 17.
Blind, Venetian. M. C. Slattery. 2,276,425; Mar. 17.
Blind, Venetian. B. Walker. 2,276,897–8; Mar. 17.
Block: *See*—
Safety block.
Block mold, closed cavity end concrete. E. F. Zuber. 2,276,558; Mar. 17.
Blood transfusion and storage apparatus. C. W. Ross. 2,276,421; Mar. 17.
Board and towel drying member, Combination cutting. C. L. Hardwick. 2,276,692; Mar. 17.
Boat, Snow. C. James. 2,276,310; Mar. 17.
Boiler: *See*—
Hot water boiler.
Boiler with a feed water preheater, Steam. B. Johansson. 2,276,780; Mar. 17.
Boot holder. A. Schelle. 2,276,741; Mar. 17.
Boring and pipe cutting machine. H. W. Johnson. 2,276,727; Mar. 17.
Box. K. E. Kenfield. 2,276,495; Mar. 17.
Bracelet, Wrist watch. A. W. Wood. 2,276,604; Mar. 17.
Bracket for spray devices, Supporting. S. Isenberg. 2,276,779; Mar. 17.
Brake assembly, Wagon. T. R. Turner. 2,276,601; Mar. 17.
Brake hanger supporting and retaining means. M. S. Johnson. 2,276,781; Mar. 17.
Braking mechanism. R. F. Horton. 2,276,777; Mar. 17.
Brazing. F. C. Kelley. 2,276,847; Mar. 17.
Bread dough and loaf preparing and graduating machine, Automatic. M. A. Olgiati. 2,276,545; Mar. 17.
Brick, Cored. E. A. Stewart. 2,276,431; Mar. 17.
Broach. H. H. Gotberg. 2,276,385; Mar. 17.
Brooder house entrance. J. G. Lukes. 2,276,403; Mar. 17.
Brush, Dishwashing. E. M. Stark. 2,276,889; Mar. 17.
Buckle, Adjustable. J. Shaulson. 2,276,595; Mar. 17.
Building construction. R. F. Norris. 2,276,788; Mar. 17.
Bulldozer. G. R. McIntosh. 2,276,586; Mar. 17.
Burner: *See*—
Oil burner.
Burner. D. P. Graham. 2,276,960; Mar. 17.
Burner. D. P. Graham and R. C. Vroom. 2,276,961; Mar. 17.
Burner construction, Gas. K. Rich. 2,276,629; Mar. 17.
Butt-jointing device. D. C. P. Willis. 2,276,603; Mar. 17.
Button. H. W. Lindahl. 2,276,321; Mar. 17.
Button chuck, Self-shank. J., Jr., C. F., L. H., W. F., F. H., E. W., and L. G. Weber and C. A. Goetzman. 2,276,552; Mar. 17.
Cabinet: *See*—
Collapsible cabinet. Low temperature cabinet.
Cable connector, Service entrance. H. H. Helmichen. 2276,969; Mar. 17.
Calcium carbonate, Iodized. B. B. McHan. 2,276,503; Mar. 17.
Calculating machine. H. W. Clark. 2,276,464; Mar. 17.

Call transmitter. M. Fritts and F. A. Voos. 2,276,954; Mar. 17.
Cam drive gear. H. C. Hill, W. A. Wolf, and A. Chilton. 2,276,396; Mar. 17.
Candy coating. D. S. Greer. 2,276,481; Mar. 17.
Carrier: *See*—
Container carrier.
Carrier for artificial teeth. G. T. Pusey, Jr. 2,276,701; Mar. 17.
Carton making apparatus. R. R. Richardson. 2,276,997; Mar. 17.
Casting process, Continuous. S. Junghans. 2,276,657; Jan. 17.
Catalyst for the synthesis of ammonia. G. W. Abbott. 2,276,679; Mar. 17.
Catalysts, Making porous metal-containing. S. B. Heath. 2,276,693; Mar. 17.
Catalysts, Regeneration of. R. L. Brown. 2,276,921; Mar. 17.
Catalytic converter. E. J. Houdry. 2,276,307; Mar. 17.
Catalytic reactor. T. B. Prickett and C. H. Thayer. 2,276,340; Mar. 17.
Catalytic reactor. R. B. Velykis. 2,276,356; Mar. 17.
Cathode-ray tube apparatus. G. L. Beers. 2,276,455; Mar. 17.
Cellulose ethers, Making. E. C. Britton and W. J. Le Fevre. 2,276,460; Mar. 17.
Centimeter wave device. E. G. Linder. 2,276,320; Mar. 17.
Centrifugal separator. A. U. Ayres and G. H. Hill. 2,276,280; Mar. 17.
Centrifugal separator. A. U. Ayres. 2,276,682; Mar. 17.
Chair for automobiles, Child's. A. B. Muller. 2,276,857; Mar. 17.
Character positioning, Specially reflective. H. J. and R. J. Feist. 2,276,475; Mar. 17.
Chemical process, Process and apparatus for carrying out. P. G. Bird. 2,276,560; Mar. 17.
Chest. E. Roos. 2,276,419; Mar. 17.
Choke mechanism, Automatic. C. H. Jorgensen. 2,276,311; Mar. 17.
Chuck, Boring. H. F. Brown. 2,276,462; Mar. 17.
Chuck, Centrifugal washing. H. D. Else. 2,276,946; Mar. 17.
Chute, Coin. W. Patzer and W. A. Tratsch. 2,277,018; Mar. 17.
Chute scavenging means, Coin. W. Patzer and W. A. Tratsch. 2,277,017; Mar. 17.
Cigar machine. K. E. Granstedt. 2,276,962; Mar. 17.
Cigar machine filler feed. S. Clausen. 2,276,289; Mar. 17.
Cigarette-making device. J. N. Daudelin. 2,276,719; Mar. 17.
Circuit: *See*—
Amusement apparatus control circuit.
Circuit arrangement for automatic telephone installations. E. Zirzow and H. Töpfer. 2,276,447; Mar. 17.
Circuit breaker tripping system. W. M. Scott, Jr. 2,276,675; Mar. 17.
Circuit interrupter. R. H. Nau. 2,276,859; Mar. 17.
Circuit interrupter. J. M. Wallace. 2,276,899; Mar. 17.
Circuits, Electric amplifier. F. Preisach and I. Zakarias. 2,276,417; Mar. 17.
Clamp: *See*—
Beehive clamp. Lantern slide clamp.
Clamp for attachment to cables. Q. E. Bashore. 2,276,559; Mar. 17.
Cleaner: *See*—
Vacuum cleaner.
Clicker die stock. C. G. Deubel. 2,276,376; Mar. 17.
Clip for mechanical pencils, fountain pens and the like. E. Petau. 2,276,513; Mar. 17.
Clip for pocket articles. A. H. Stenersen. 2,276,891; Mar. 17.
Clip pencil holder. L. W. Keppel. 2,276,313; Mar. 17.
Clipper blade set. M. G. Andis, Jr. 2,276,912; Mar. 17.
Clock and lamp, Combined alarm. E. J. Price. 2,276,339; Mar. 17.
Closure. H. W. Sanford. 2,276,907; Mar. 17.
Cloth feeding device for unwinding and laying up machines. H. W. Gilbert. 2,276,479; Mar. 17.
Cloth, Means for shrinking. B. R. Andrews. 2,276,605; Mar. 17.
Cloth pressure mechanism for take-up rolls. A. Palmer. 2,276,790–1; Mar. 17.
Clothespin. J. Duffek. 2,276,377; Mar. 17.
Clutch: *See*—
Friction clutch.
Clutch plate. H. Nutt. 2,276,416; Mar. 17.
Clutch. D. B. Livingston. 2,276,276; Mar. 17.
Coal cutting machine. O. F. Lewis. 2,276,730; Mar. 17.
Coating. J. S. Thompson. 2,276,353; Mar. 17.
Coating, Alkali resistant. J. L. Sherk and C. F. Cummins. 2,276,519; Mar. 17.
Coating and feeding apparatus. N. P. Harshberger. 2,276,484; Mar. 17.
Coating apparatus. N. P. Harshberger. 2,276,486; Mar. 17.
Coating apparatus. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,276,328; Mar. 17.
Coating method. N. P. Harshberger. 2,276,485; Mar. 17.
Coating method. N. P. Harshberger. 2,276,487; Mar. 17.
Coatings on magnesium and its alloys, Treating protective. R. W. Buzzard. 2,276,286; Mar. 17.
Coin-control mechanism for dispensing machines. W. A. Harris. 2,276,967; Mar. 17.
Coin receiver, Multiple. L. J. Andres. 2,276,449; Mar. 17.
Collapsible cabinet. H. Derman. 2,276,375; Mar. 17.
Comb. W. Huppert. 2,276,273; Mar. 17.
Communicating valve. F. Alward. 2,276,911; Mar. 17.
Composite bearing. C. Steiner and R. Sterner-Rainer. 2,277,023; Mar. 17.
Composition of matter. J. H. Hunter. 2,276,304; Mar. 17.
Compressor. G. F. Halliday. 2,276,965; Mar. 17.
Condenser bushing winding machine. W. H. Jacobi. 2,276,980; Mar. 17.
Condenser device. G. A. Burr. 2,276,923; Mar. 17.
Condition responsive control. E. E. Lynch. 2,276,852; Mar. 17.
Connector: *See*—
Cable connector. Electric connector.
Connector. J. R. C. Quilter. 2,276,628; Mar. 17.
Connector. G. D. Rogers. 2,276,344; Mar. 17.
Constant capacity feeder. E. V. Francis. 2,276,383; Mar. 17.
Construction unit. W. W. Colpitts. 2,276,763; Mar. 17.
Contact apparatus, Solid and liquid. C. H. Frazier. 2,276,298; Mar. 17.
Contact attachment for current indicators. W. Olson. 2,276,736; Mar. 17.
Contactor. L. Pierce. 2,276,698; Mar. 17.
Container: *See*—
Packing and merchandising container. Shipping container.
Paper container. Ventilated container.
Container. T. E. D. Bilde. 2,276,711; Mar. 17.
Container. E. W. Bonfield. 2,276,820; Mar. 17.
Container. G. C. Erb. 2,276,292; Mar. 17.
Container carrier. P. Agrillo and C. C. Dawson. 2,276,756; Mar. 17.
Container for medicine glasses, Combination top and medicine. L. W. Wheeler. 2,276,678; Mar. 17.
Container material and parts therefor. P. Zalkind. 2,276,363; Mar. 17.
Container receiving mechanism. H. S. Labombarde. 2,276,319; Mar. 17.
Control apparatus. L. B. M. Buchanan. 2,276,369; Mar. 17.
Control apparatus. A. T. Jose. 2,276,493; Mar. 17.
Control device. C. P. Clare and I. W. Cox. 2,276,535; Mar. 17.
Control device. P. S. Russell. 2,277,006; Mar. 17.
Control device. T. Saito. 2,276,740; Mar. 17.
Control device for ailerons and flaps. E. J. E. Dewoitine. 2,276,688; Mar. 17.
Control system. C. G. Suits. 2,276,803; Mar. 17.
Controller. C. S. Schroeder. 2,276,674; Mar. 17.
Converter and rectifier. F. Koppelmann. 2,276,784; Mar. 17.
Converter control system, Rotary. W. R. Taliaferro. 2,276,633; Mar. 17.
Conveyer. B. M. Hyman and E. Karlsson. 2,276,978; Mar. 17.
Conveyer drive. A. B. Welty. 2,276,903; Mar. 17.
Cooling device. H. L. Grapp. 2,276,614; Mar. 17.
Copper-oxide rectifiers, Manufacture of. F. Conrad, E. D. Wilson, C. C. Hain, and F. T. Hague. 2,276,647; Mar. 17.
Core for electrical devices. D. C. Prince. 2,276,793; Mar. 17.
Core for wall molds, Collapsible. E. L. Siemer. 2,276,422; Mar. 17.
Cotton cleaning and drying machine. F. B. Hinckley, Jr. 2,276,397; Mar. 17.
Coupling: *See*—
Variable frequency coupling.
Cover Construction for loose-leaf binders. J. Cooper and G. H. J. Baule. 2,276,536; Mar. 17.
Crankcase construction. H. C. Hill and W. A. Wolf. 2,276,393; Mar. 17.
Cream line separator for milk containers. E. Hanson. 2,277,001; Mar. 17.
Cup for washing apparatus, Detergent. E. S. Stoddard. 2,276,801; Mar. 17.
Cup making machine. H. S. Labombarde. 2,276,318; Mar. 17.
Curler, Hair. M. E. Carbonel. 2,276,760; Mar. 17.
Current control for generators. R. G. Lafite. 2,276,849; Mar. 17.
Cushion. N. Roy. 2,276,516; Mar. 17.
Cutter for seed potatoes. S. Geigel. 2,276,720; Mar. 17.
Cutting device. H. L. Glidden. 2,276,480; Mar. 17.
Cutting device, Rotary. J. Angel. 2,276,365; Mar. 17.
Cycle-hexyl-amino diphenylamine, Manufacturing. W. A. Gibbons and F. M. Lewis. 2,276,957; Mar. 17.
Cyclopropane, Purification of. M. A. Buchman and A. G. Horney. 2,276,922; Mar. 17.
Cylinder stopping mechanism for dial loopers. C. C. Auman. 2,276,815; Mar. 17.
Damper, Barometric. R. and J. Johnson. 2,276,728; Mar. 17.
Defroster for refrigerators, Electric. H. L. Becker. 2,276,454; Mar. 17.

Device for dustless transferring of powdery substances. L. Faller. 2,276,950; Mar. 17.
Device for rolling the edge of rubber articles. W. J. Bauer. 2,276,367; Mar. 17.
Device for severing seals for receptacle closures. F. S. Folger. 2,276,476; Mar. 17.
Diaphragm, Safety. J. H. Doran. 2,276,830; Mar. 17.
Die: *See*—
Drawing die. Thread rolling die.
Extrusion die.
Die for making interlocking bricks. R. M. Bender. 2,276,456; Mar. 17.
Dielectric composition. S. Ruben. 2,276,346; Mar. 17.
Differential mechanism. F. H. Boor. 2,276,821; Mar. 17.
Differential relay and auxiliary transformer therefor, Flared-ratio. W. K. Sonneman. 2,276,888; Mar. 17.
Direction signal. C. D. Warlick and M. D. Ijames. 2,276,441; Mar. 17.
Direction signal switch. C. W. Moore. 2,276,411; Mar. 17.
Discharge element of flat screens. W. G. E. Smith. 2,276,631; Mar. 17.
Disconnecting switch. W. H. Lindae. 2,276,786; Mar. 17.
Dishwasher valve. J. H. Reifenberg and L. J. Greenawalt. 2,276,670 Mar. 17.
Dispenser: *See*—
Label dispenser. Paper roll dispenser.
Dispensing and displaying means for narrow fabrics. B. J. Goldsmith. 2,276,959; Mar. 17.
Display stand. W. P. Rocker. 2,276,795; Mar. 17.
Door operator. R. S. Potter and M. D. Bennett. 2,276,338; Mar. 17.
Drawer, Collapsible. H. Derman. 2,276,374; Mar. 17.
Drawing die. F. J. Felton. 2,276,689; Mar. 17.
Door: *See*—
Electrically controlled door.
Door guiding means, Overhead. E. N. Howell and F. Boylan. 2,276,976; Mar. 17.
Drier: *See*—
Portable drier.
Drier. O. Gano. 2,276,955; Mar. 17.
Drier. M. F. Peltier, W. Burnett, Jr., and C. Lee. 2,276,589; Mar. 17.
Drift meter. S. M. Burka and C. J. Crane. 2,276,284; Mar. 17.
Drill. E. P. Welty. 2,276,532; Mar. 17.
Drilling machine, Rotary. R. R. Bloss. 2,276,561; Mar. 17.
Dry cleaning. D. P. Allison. 2,276,681; Mar. 17.
Dust protection means. G. Loeding. 2,276,499; Mar. 17.
Duster, Field clover. R. W. and T. Hartwick. 2,276,721; Mar. 17.
Dyeing and the products thus obtained. J. von Klenck and J. Nüsslein. 2,276,602; Mar. 17.
Dyestuffs of the phthalocyanine. G. Niemann, W. Schmidt, F. Muehlbauer and G. Wiest. 2,276,860; Mar. 17.
Dyestuffs of the phthalocyanine series. B. Bienert and H. Thielert. 2,276,918; Mar. 17.
Earth moving apparatus. C. A. Gustafson. 2,276,573; Mar. 17.
Efficiency indicating means for motor vehicles. C. Codebecq. 2,276,717; Mar. 17.
Egg cleaning machine. C. S. Jordan. 2,276,581; Mar. 17.
Electric control circuits. C. H. Willis. 2,276,752; Mar. 17.
Electric connector. D. Woodhead. 2,276,557; Mar. 17.
Electric mileage and speed indicator. G. S. Moore. 2,276,787; Mar. 17.
Electric motor, Composite. A. G. Cooley. 2,276,936; Mar. 17.
Electric sign. H. C. Mulberger. 2,276,856; Mar. 17.
Electric signaling system. A. J. Sorensen. 2,276,706; Mar. 17.
Electric switch. J. L. Creveling. 2,276,537; Mar. 17.
Electric switch. E. M. Soreng. 2,276,428; Mar. 17.
Electric switch. C. H. Wolf and R. E. Gearhart. 2,276,555; Mar. 17.
Electrical apparatus for dental sterilization. B. W. Meiman. 2,276,623; Mar. 17.
Electrical conductor. C. A. Webber. 2,276,902; Mar. 17.
Electrical connecting device. B. C. Bellows, Jr. 2,276,818; Mar. 17.
Electrical induction apparatus. J. R. Meador. 2,276,855; Mar. 17.
Electrical transmission system. W. G. Harding and R. H. Nisbet. 2,276,652; Mar. 17.
Electrically controlled door. J. A. Levesque. 2,276,989; Mar. 17.
Electrically heated iron. H. U. Hedeby. 2,276,773; Mar. 17.
Electrode carrying attachment for welding machines. V. W. Green. 2,276,770; Mar. 17.
Electrode holder. W. B. Shellabarger. 2,276,549; Mar. 17.
Electronic beam deflection circuits. E. Brueche and A. Recknagel. 2,276,758; Mar. 17.
Electronic regulator. F. H. Gulliksen. 2,276,650; Mar. 17.
Electrotherapy. A. S. Milinowski, Jr. 2,276,994–5; Mar. 17.
Emulsifying and foaming agents and producing them. H. R. Kraybill, P. H. Brewer, and M. H. Thornton. 2,276,316; Mar. 17.
Emulsion, Photographic. W. G. Lowe. 2,276,322; Mar. 17.
Emulsion, Photographic. G. Wilmanns and O. Riester. 2,276,554; Mar. 17.
Emulsions, Photographic silver halide. W. G. Lowe. 2,276,323; Mar. 17.
Enameling, Vitreous. C. R. Ruse. 2,277,005; Mar. 17.
End members to container bodies, Method of and apparatus for attaching. R. E. J. Nordquist. 2,276,332; Mar. 17.
Energy storage welding system. G. L. Rogers. 2,276,796; Mar. 17.
Engine: *See*—
Internal combustion engine.
Engine. G. Riley. 2,276,593; Mar. 17.
Ethers, Manufacture of glycol. H. M. Stanley and P. Eaglesfield. 2,276,597; Mar. 17.
Extractor removing tool. E. J. Schisler. 2,276,348; Mar. 17.
Extrusion die. R. Gouchman. 2,276,468; Mar. 17.
Fabric: *See*—
Knitted fabric.
Fabric and making same, Knitted. T. C. Bromley, A. Shortland, T. A. M. Hill, and H. Hooper. 2,276,920; Mar. 17.
Fabric and method, Knitted. O. Fregeolle and I. H. C. Green. 2,276,953; Mar. 17.
Fabric strips, Process and apparatus for cutting and folding. F. G. C. Margadant. 2,276,854; Mar. 17.
Fabrics and product thereof, producing, Coated. A. E. Murray. 2,276,415; Mar. 17.
Fabrics, Production of woven. G. Bugge. 2,276,608; Mar. 17.
Fan support. W. E. Fey. 2,276,538; Mar. 17.
Fan, Ventilating. A. Marti. 2,276,993; Mar. 17.
Fastener. R. T. Axe and R. B. Nelson. 2,276,915; Mar. 17.
Fastener. A. M. Henry. 2,276,694; Mar. 17.
Fastener. E. B. Lear. 2,276,498; Mar. 17.
Fastening device. G. A. Tinnerman. 2,276,753; Mar. 17.
Fault-indicating means for signal systems. C. Pool and H. F. Cypser. 2,276,546; Mar. 17.
Feed control for internal combustion engines, Fuel. F. Ricci. 2,276,794; Mar. 17.
Feed for cigar machines, Automatic long filler. H. H. Wheeler. 2,276,361; Mar. 17.
Feeder: *See*—
Constant capacity feeder.
Feeding apparatus. E. V. Francis. 2,276,382; Mar. 17.
Feeding device for use with endless conveyers and the like. M. S. Moore. 2,276,412; Mar. 17.
Filaments or threads, Stretching of. F. B. Hill and M. W. Alford. 2,276,395; Mar. 17.
Filaments or threads, Stretching of textile. M. W. Alford, T. Jackson, and F. B. Hill. 2,276,364; Mar. 17.
File, Plan. C. B. Ulrich. 2,276,707; Mar. 17.
Film. A. Hershberger. 2,276,305; Mar. 17.
Film feeding mechanism. M. H. Press. 2,276,871; Mar. 17.
Film, Flexible laminated. D. L. Gibb and W. R. Collings. 2,276,478; Mar. 17.
Film stabilizer. H. Griffin. 2,277,019; Mar. 17.
Filters, Making. E. G. Gunn. 2,276,572; Mar. 17.
Finishing wheel. R. W. Cummings. 2,276,469; Mar. 17.
Fishing pole. N. Taylor. 2,276,524; Mar. 17.
Fitting for hollow containers, Internal. W. Walsh. 2,276,440; Mar. 17.
5,6,7,8-tetrahydroanthraquinone derivatives containing nitrogen and preparing them. K. Zahn and H. Koch. 2,276,637; Mar. 17.
Fixture, Aligning. A. H. Boehmer. 2,276,819; Mar. 17.
Flasher switch. L. E. Duguay. 2,276,378; Mar. 17.
Fluid motor. L. A. Brown. 2,276,714; Mar. 17.
Fluid pressure braking system and valve mechanism relating thereto. F. Christen. 2,276,927; Mar. 17.
Fluid pressure control device. L. A. Majneri. 2,276,853; Mar. 17.
Fluid sampler and container. B. Atkinson. 2,276,914; Mar. 17.
Folding machine. C. J. Malhiot. 2,276,584; Mar. 17.
Football game apparatus. H. A. Tassano. 2,276,599; Mar. 17.
Footwear. C. E. Hosker. 2,276,398; Mar. 17.
Footwear, Welt. H. Chevalier. 2,276,686; Mar. 17.
Formaldehyde-polyalkylene polyamine condensation products and production thereof. H. G. Hummel and M. Jahrstorfer. 2,276,309; Mar. 17.
4-aminobenzene-sulphonamide, Manufacture of. F. Mietzsch, R. Behnisch, and J. Klarer. 2,276,664; Mar. 17.
Frame: *See*—
Vehicle seat frame.
Frequency detector and control voltage supply. L. M. Hershey. 2,276,488; Mar. 17.
Frequency indicator. G. A. Pullis. 2,276,669; Mar. 17.
Frequency modulation indicator. W. van B. Roberts. 2,276,672; Mar. 17.
Friction clutch. B. Stechbart. 2,276,430; Mar. 17.
Fuel injection pump. R. H. Sheppard. 2,276,630; Mar. 17.

Fuel, Method of and apparatus for burning. M. A. Mayers. 2,276,327; Mar. 17.
Fuel tank. J. F. Griffin. 2,276,963; Mar. 17.
Furnace: *See*—
Annealing furnace. Glass melting furnace.
Furnace and system, Wet refuse. H. Kreisinger. 2,276,659; Mar. 17.
Furnace construction. J. W. Throckmorton and J. S. Wallis. 2,276,529; Mar. 17.
Furniture and making same, Miniature. J. A. Hugh. 2,276,308; Mar. 17.
Fuse Indicator. F. C. La Mar. 2,276,785; Mar. 17.
Garment. J. H. Hewton. 2,276,775; Mar. 17.
Garment hanger, Combination. H. Spitz. 2,276,429; Mar. 17.
Gas valve. P. S. Harper. 2,276,271; Mar. 17.
Gastric mucin products and producing same. H. J. Schneiderwirth. 2,276,882; Mar. 17.
Gate. J. and E. E. Stucki. 2,276,432; Mar. 17.
Gauge: *See*—
Liquid gauge. Velocity gauge.
Strain gauge.
Gear: *See*—
Cam drive gear.
Infinitely variable speed gear.
Generator: *See*—
Oscillation generator. Tone generator.
Steam generator. Vapor generator.
Glass, Making thin. C. W. Hazelett. 2,276,615; Mar. 17.
Glass melting furnace, Electric. J. Ferguson. 2,276,295; Mar. 17.
Glassware, Making hollow. V. Hrdina. 2,276,399; Mar. 17.
Glasses, Glamor. G. Courtney. 2,276,372; Mar. 17.
Glucosides, Preparation of methyl. D. P Langlois. 2,276,621; Mar. 17.
Governor. C. Cotta. 2,276,467; Mar. 17.
Governor for wind driven propellers. J. R. and G. H. Albers. 2,277,011; Mar. 17.
Grinding and bagging mill, Combined. P. C. Dellinger and M. L. Sensenig. 2,276,940; Mar. 17.
Guard for infants, Face. M. S. Ellis. 2,276,612; Mar. 17.
Gum wrapping machine. E. L. Smith and C. E. Melhorn. 2,276,744; Mar. 17.
Gun sight. E. E. Gregory. 2,276,270; Mar. 17.
Gun sight. L. Zimmerman. 2,276,446; Mar. 17.
Hair and scalp cleaning device. G. A. Smith. 2,276,886; Mar. 17.
Half-tone reproductions, Producing. H. M. Crosby. 2,276,718; Mar. 17.
Handle structure. R. I. Huffman. 2,276,725; Mar. 17.
Hanger: *See*—
Garment hanger.
Harmonica. E. F. Manieri. 2,276,501; Mar. 17.
Heat exchange apparatus, Fluid. E. G. Bailey. 2,276,281; Mar. 17.
Heat exchange apparatus, Fluid. M. Martensson. 2,276,326; Mar. 17.
Heater and making the same, Insulated electric. H. D. Holler. 2,276,973; Mar. 17.
Heater construction. G. Faulds. 2,276,474; Mar. 17.
Heater for oil wells, Electric. S. A. Germain. 2,276,833; Mar. 17.
Heating apparatus. J. Manzer. 2,276,407; Mar. 17.
Heating element, Electric. G. Laubmeyer. 2,276,583; Mar. 17.
Heating installation, Combustion. C. Colombi and L. Monney. 2,276,934; Mar. 17.
Heel, Detachable. F. A. W. Kelley. 2,276,654; Mar. 17.
Heel support for backless slippers. M. Vardy. 2,276,894; Mar. 17.
High frequency apparatus. L. Tonks. 2,276,806; Mar. 17.
High frequency oscillator. M. A. Rote. 2,276,879; Mar. 17.
High voltage rectifier. G. W. Penney. 2,276,861; Mar. 17.
Hinge, Winow. P. H. Kuyper. 2,276,729; Mar. 17.
Holder: *See*—
Boat holder. Price card holder.
Clip pencil holder. Utility holder.
Electrode holder.
Holding device, Adjustable. D. G. Ehrich. 2,276,945; Mar. 17.
Homologues of urea, Manufacture of. J. F. Olin. 2,276,696; Mar. 17.
Honing device. K. W. Connor. 2,276,611; Mar. 17.
Hot water boiler. M. Faeber. 2,276,381; Mar. 17.
Hub construction for hydraulic operated variable pitch propellers. R. J. Ruths and H. L. Dodson. 2,276,347; Mar. 17.
Hydraulic operator. E. F. Goetz. 2,276,836; Mar. 17.
Hydraulic system. H. F. Vickers. 2,276,357; Mar. 17.
Hydraulic transmission means. H. F. Vosseler and H. A. W. Pierard. 2,276,895; Mar. 17.
Hydrocarbons, Oxidizing. C. O. Henke and R. G. Benner. 2,276,774; Mar. 17.
Hydrocarbons, Production of valuable. N. K. Chaney. 2,276,288; Mar. 17.
Hydrocarbons, Synthesizing. P. C. Keith, Jr. 2,276,274; Mar. 17.
Ignition system, Gasoline engine. C. W. Hansell. 2,276,966; Mar. 17.
Illuminating device for portable receptacles. A. Conrad. 2,276,370; Mar. 17.
Impulse controller. A. Allen and H. O. Ehrisman. 2,276,448; Mar. 17.
Impulse sending mechanism. C. R. Woodland, J. W. McClew, and E. I. Houghton. 2,276,444; Mar. 17.
Impulse transmitting device. C. C. Puckette. 2,276,514; Mar. 17.
Indicator: *See*—
Electric mileage and speed indicator. Frequency modulation indicator.
Frequency indicator. Fuse indicator.
Indicator. H. Mendelson. 2,276,504; Mar. 17.
Infinitely variable speed gear. F. Schmid. 2,276,908; Mar. 17.
Inflation valve. W. C. McCoy. 2,276,502; Mar. 17.
Inking mechanism for printing machines. W. Matuschke. 2,276,662; Mar. 17.
Inkstand. G. J. Sengbusch. 2,276,350–2; Mar. 17.
Inseam trimming machine. C. G. Brostrom. 2,276,461; Mar. 17.
Insulation and rubber goods, Production of. C. J. Stapelfeld. 2,276,520; Mar. 17.
Internal combustion engine. C. Voorhies. 2,276,439; Mar. 17.
Iron: *See*—
Electrically heated iron.
Iron and steel, Molding. M. J. Rentschler and C. H. Van Dusen, Jr. 2,276,671; Mar. 17.
Iron, Production of cast. H. T. Chandler. 2,276,287; Mar. 17.
Jack: *See*—
Pump jack. Vibratory jack.
Joint: *See*—
Sleeveless strap joint. Structural joint.
Kit, Pocket first-aid. S. R. De Witt. 2,276,766; Mar. 17.
Knitted fabric. C. N. Stover. 2,276,523; Mar. 17.
Knitting. E. St. Pierre. 2,276,892; Mar. 17.
Knitting machine and method. W. L. Smith, Jr. 2,276,705; Mar. 17.
Knitting machine of the double axially opposed needle cylinder type, Circular. H. H. Holmes. 2,276,972; Mar. 17.
Knots, Tying. E. Brassel and E. Münger. 2,276,919; Mar. 17.
Label dispenser. C. A. Flood. 2,276,296–7; Mar. 17.
Laboratory milling machine. W. J. Baines. 2,276,757; Mar. 17.
Lamp in air conditioning apparatus, Germicidal. E. Lemmers. 2,276,850; Mar. 17.
Landing hook for aircraft. K. Jurschick. 2,276,312; Mar. 17.
Lantern slide clamp. F. D. Miller. 2,276,735; Mar. 17.
Latching device. R. Marple. 2,276,325; Mar. 17.
Latex. A. R. Kemp and W. G. Straitiff. 2,276,986; Mar. 17.
Lens for three dimensional effect, Photographic. W. B. Hiner. 2,276,723; Mar. 17.
Lens rim. F. W. Lindblom. 2,276,275; Mar. 17.
Level winder for cable drum (hydraulic). E. R. Barrett. 2,276,916; Mar. 17.
Lifting and carrying tool. M. F. Thorn. 2,276,600; Mar. 17.
Lighter. V. R. Abrams. 2,276,278; Mar. 17.
Lighter, Cigar. A. A. Johnson. 2,276,982; Mar. 17.
Lighter, Cigar. G. J. Pistey. 2,276,867; Mar. 17.
Lighting device. V. Weber. 2,276,751; Mar. 17.
Lightning arrester. L. R. Ludwig, F. B. Johnson, and W. E. Berkey. 2,276,732; Mar. 17.
Lignite, Gasifying. L. H. Reyerson and D. C. Gernes. 2,276,343; Mar. 17.
Liner, Journal box. J. H. Engleman. 2,276,379; Mar. 17.
Liquid and gas separator. M. F. Waters. 2,276,277; Mar. 17.
Liquid dispensing apparatus. A. L. Grise. 2,276,838–9; Mar. 17.
Liquid gauge. O. Watson. 2,276,901; Mar. 17.
Liquid treating process and apparatus. W. H. Green. 2,276,300; Mar. 17.
Loader-stacker. L. W. Hahn. 2,276,483; Mar. 17.
Lock: *See*—
Register control lock.
Lock. E. N. Jacobi. 2,276,655; Mar. 17.
Lock for oil burners, Automatic hydraulic safety. L. K. Siversen and J. D. Stigen. 2,276,424; Mar. 17.
Lock operating means, Keyless closure. J. F. Mayewski. 2,276,733; Mar. 17.
Lock slider for slide fasteners, Automatic. G. Sundback. 2,276,676; Mar. 17.
Low temperature cabinet. K. A. Weber. 2,276,635; Mar. 17.
Lubricant composition. A. F. Bandur. 2,276,453; Mar. 17.
Lubricant, Extreme pressure. S. E. Jolly and J. H. Perrine. 2,276,492; Mar. 17.
Lubricating composition. C. F. Prutton. 2,276,341; Mar. 17.
Lubricating product. A. H. Gleason and W. J. Sparks. 2,276,956; Mar. 17.
Lubrication, Journal. W. M. Gibbs. 2,276,834; Mar. 17.
Machine for attaching two-section heels. W. R. Goodwin. 2,276,299; Mar. 17.

Machine for cement-attaching welting. J. R. Oliver. 2,276,451; Mar. 17.
Machine tool. H. F. Patrick. 2,276,625; Mar. 17.
Machine tool. L. F. Poock and W. F. Aller. 2,276,627; Mar. 17.
Marking implement. B. S. Hillman. 2,276,722; Mar. 17.
Masonry structures, Waterproofing. P. M. Moore. 2,276,507; Mar. 17.
Matchbox or the like. H. F. Swain. 2,277,021; Mar. 17.
Material and selecting the same, Lightning-arrester. F. B. Johnson. 2,276,656; Mar. 17.
Material classifier. J. H. V. Finney. 2,276,539; Mar. 17.
Material, Means for cooling. J. E. Kennedy. 2,276,496; Mar. 17.
Materials, Polymeric. G. T. Vaala. 2,276,437; Mar. 17.
Measuring and control apparatus. C. B. Moore. 2,276,506; Mar. 17.
Measuring apparatus. S. J. A. M. Bagno. 2,276,816; Mar. 17.
Measuring device. E. S. Guttmann. 2,276,302; Mar. 17.
Measuring instrument. L. F. Poock and W. F. Aller. 2,276,626; Mar. 17.
Mechanism for converting motion. F. Ashworth. 2,276,913; Mar. 17.
Memorandum pad, Refillable. W. R. Buxton. 2,276,463; Mar. 17.
Metal components by grinding, Production of. F. W. Whitehead and S. J. Harley. 2,276,904; Mar. 17.
Metal compounds of phthalocyamines, Manufacture of heavy. R. Stocker and A. Bucher. 2,276,598; Mar. 17.
Metal elements, Forming or working. H. W. Stark. 2,276,521; Mar. 17.
Metallic sheets, Conveying. F. Eberhart. 2,276,472; Mar. 17.
Meter: *See*—
Drift meter. Wave meter.
Meter and bomb sight, Pilot's drift. S. M. Burka and G. V. Holloman. 2,276,285; Mar. 17.
Microscope, Electronic. E. Ruska and H. Schuchmann. 2,277,024; Mar. 17.
Milk sediment testing device. O. Hanson. 2,276,841; Mar. 17.
Mineral aggregates, Coating. E. B. Tucker and H. M. Grubb. 2,276,436; Mar. 17.
Mining machinery. O. F. Lewis. 2,276,731; Mar. 17.
Mop, Vacuum cleaner floor. D. M. Dow. 2,276,943–4; Mar. 17.
Motion controlling apparatus. R. E. Zenner. 2,276,754; Mar. 17.
Motor: *See*—
Electric motor. Fluid motor.
Motor for deep well pumping equipment, Fluid operated. G. Kennedy and C. C. Cole. 2,276,783; Mar. 17.
Motors, System for starting synchronous telegraph. L. M. Potts. 2,276,738; Mar. 17.
Mounting device for electric lamps. W. Harrison. 2,276,842; Mar. 17.
Mounting for aircraft, Landing wheel. E. W. Cleveland. 2,276,466; Mar. 17.
Musical instrument, Electrical. L. Hammond. 2,276,389; Mar. 17.
Musical instrument, Electrical. J. M. Hanert. 2,276,390; Mar. 17.
Musical instrument, Percussion. L. J. Jeffries. 2,276,846; Mar. 17.
N-phenylaliphatic dihydroxyphenylaliphatic amines. F. Kulz. 2,276,618; Mar. 17.
N-phenylaliphatic dihydroxyphenylaliphatic amines. F. Kulz. 2,276,619; Mar. 17.
Nebulizer. W. H. Rose. 2,276,878; Mar. 17.
Network distribution system. J. S. Parsons. 2,276,668; Mar. 17.
Nozzle extension for arc welding heads, Adjustable. V. J. Chapman. 2,276,825; Mar. 17.
Oil burner. H. Strautman and K. Jauch. 2,276,802; Mar. 17.
Oil, Treatment of tall. E. Segessemann. 2,276,517; Mar. 17.
Oils and other byproducts from oil shale and the like, Recovering hydrocarbon. E. H. Records and J. E. Louttit. 2,276,342; Mar. 17.
Oils, Refining hydrocarbon. G. H. von Fuehs and H. H. Zuidema. 2,276,526; Mar. 17.
Operating mechanism for fluorescent lamps. F. C. De Reamer. 2,276,829; Mar. 17.
Operator. W. R. Ray. 2,276,591; Mar. 17.
Ore materials, Separation of. R. B. Booth. 2,277,010; Mar. 17.
Organic compounds, Preparation of. H. H. Guest. 2,277,015–6; Mar. 17.
Oscillation generator. R. B. Dome. 2,276,832; Mar. 17.
Oven heating system. E. K. Clark. 2,276,930; Mar. 17.
Oven heating unit. E. H. Lockwood. 2,276,661; Mar. 17.
Oxidation products of the cyclopentanopolyhydrophenanthrene series and making same. L. Ruzicka. 2,276,547; Mar. 17.
Packaging machine. S. R. Howard. 2,276,541; Mar. 17.
Packing and merchandising container. C. H. Steinbiss. 2,276,890; Mar. 17.
Packing and sealing means, Hydraulic shock absorber. G. M. Magrum. 2,276,406; Mar. 17.
Pad: *See*—
Memorandum pad.
Panel, Decorative. A. Donaldson. 2,276,567; Mar. 17.
Paper container. R. F. Hahn. 2,276,577–8; Mar. 17.
Paper holding and tensioning means. C. H. Petskeyes and I. C. Gellman. 2,276,590; Mar. 17.
Paper machine. O. Rolls. 2,276,877; Mar. 17.
Paper roll dispenser. R. I. Morehouse and J. K. Gumpper. 2,276,414; Mar. 17.
Paper, Transversely flexible corrugated. D. H. Plewes and B. Fox. 2,276,737; Mar. 17.
Pedestal. L. M. Michelson. 2,276,588; Mar. 17.
Peeler, Fruit. R. Polk, Jr. 2,277,003; Mar. 17.
Percolator, Coffee. B. B. Harding. 2,276,540; Mar. 17.
Perforating device. L. C. Miller. 2,276,544; Mar. 17.
Phase shifting network. A. Alford. 2,276,910; Mar. 17.
Phonographic apparatus. R. F. Brady. 2,276,459; Mar. 17.
Phosphatides and producing them. H. R. Kraybill, P. H. Brewer, and M. H. Thornton. 2,276,317; Mar. 17.
Picker check. T. T. Boucher. 2,276,712; Mar. 17.
Pictures, Electric recording and transmission of. C. F. Carlson. 2,277,013; Mar. 17.
Pictures, Production of photographic multi-color. W. Schneider. 2,276,548; Mar. 17.
Pipe: *See*—
Smoking pipe.
Pipe lines, Method and apparatus for blocking off. C. E. Wilson. 2,276,443; Mar. 17.
Piston valve, Lubricated. K. W. Davis. 2,276,939; Mar. 17.
Piston wrist pin setting tool. H. H. Herrig. 2,276,303; Mar. 17.
Planter attachment for tractors. J. W. Peterson. 2,276,697; Mar. 17.
Plug: *See*—
Repair plug.
Plug construction, Fuse. L. Schmidt. 2,276,703; Mar. 17.
Pneumatic dispatch system. A. L. Esselburn and E. J. Connolly. 2,276,473; Mar. 17.
Poly-isobutylene making same, Chlorinated. H. W. Fisher. 2,276,951; Mar. 17.
Polymeric vinylimides. W. E. Hanford and H. B. Stevenson. 2,276,840; Mar. 17.
Polymerization method. D. L. Gibb. 2,276,691; Mar. 17.
Polymerization of olefins to high molecular weight hydrocarbon polymers. R. M. Thomas and I. E. Lightbown. 2,276,893; Mar. 17.
Portable drier. B. Campbell. 2,276,715; Mar. 17.
Powder loading machine. A. I. Long. 2,276,990; Mar. 17.
Power system. A. B. White. 2,276,636; Mar. 17.
Preheating and annealing, System for. H. H. Bates. 2,276,643; Mar. 17.
Pressure controller. C. B. Moore. 2,276,505; Mar. 17.
Pressure means for wringer rolls. J. L. Perkins 2,276,865; Mar. 17.
Pressure measuring apparatus. C. M. Hathaway. 2,276,843; Mar. 17.
Price card holder. C. F. Hoofer. 2,276,490; Mar. 17.
Printing members and product thereof, Preparing. G. S. Rowell. 2,276,594; Mar. 17.
Produce load, Boxed. H. C. Pierce. 2,276,866; Mar. 17.
Projectoscope slide and projecting its image. L. M. Headley. 2,276,392; Mar. 17.
Propeller blade for long washers. G. E. Krider. 2,276,402; Mar. 17.
Pulse regenerator. M. B. McDavitt. 2,276,665; Mar. 17.
Pump: *See*—
Fuel injection pump. Rotary pump.
Pump. J. P. Damonte. 2,276,827; Mar. 17.
Pump. C. A. Erickson. 2,276,568; Mar. 17.
Pump and centrifugal separator, Combined. E. H. Carruthers. 2,276,824; Mar. 17.
Pump jack, Power saving. H. F. Vickers. 2,276,358; Mar. 17.
Pumps or motors, Lubrication of radial. E. K. Benedek. 2,276,368; Mar. 17.
Rack: *See*—
Rug display rack.
Radiator control for motor vehicle. S. J. E. Asklund. 2,276,279; Mar. 17.
Radio apparatus. C. J. Collom. 2,276,933; Mar. 17.
Radio receiver. A. Horowitz and P. H. Fennema. 2,276,724; Mar. 17.
Radio timing device. H. W. Young. 2,276,445; Mar. 17.
Rail anchoring means. L. Spencer. 2,276,799; Mar. 17.
Rail bonding apparatus. C. A. Cadwell. 2,276,823; Mar. 17.
Rail bonding apparatus. N. G. Carlson. 2,277,014; Mar. 17.
Rail joints, and rail adapted for use therewith, Production of butt-welded. P. C. Jones. 2,276,782; Mar. 17.
Razor blade wrapping machine. W. Bindszus. 2,276,282; Mar. 17.
Razor, Safety. J. Muros. 2,276,331; Mar. 17.
Reaction products of aliphatic aldehydes and nitrogen-containing methylene compounds. G. F. D'Alelio. 2,276,828; Mar. 17.
Reactor. H. S. Hubbard. 2,276,845; Mar. 17.
Recording system. D. Silverman. 2,276,423; Mar. 17.
Reed structure. H. Scott. 2,276,884; Mar. 17.

Reflecting safety device. C. V. Reitman. 2,276,592; Mar. 17.
Refrigerating apparatus. N. E. af Kleen. 2,276,947; Mar. 17.
Refrigerating apparatus. V. I. Grove. 2,276,964; Mar. 17.
Refrigerating apparatus. J. W. Jacobs. 2,276,491; Mar. 17.
Refrigerating apparatus, Absorption. N. E. af Kleen. 2,276,948; Mar. 17.
Refrigeration. A. R. Thomas. 2,276,434; Mar. 17.
Refrigeration system. J. R. Zwickl. 2,276,814; Mar. 17.
Refrigerator. A. Cordova. 2,276,937; Mar. 17.
Refrigerator. K. F. Schmidt. 2,276,742; Mar. 17.
Refrigerator. S. B. Ward. 2,276,811; Mar. 17.
Refrigerator cabinet construction. R. W. Hull. 2,276,778; Mar. 17.
Refrigerator shelf construction. W. B. Dibble. 2,276,942; Mar. 17.
Register control lock. F. L. West. 2,276,442; Mar. 17.
Registering mechanism for printing machines. H. P. Clauberg. 2,276,465; Mar. 17.
Regulating system. C. R. Hanna. 2,276,651; Mar. 17.
Regulator: *See*—
Electronic regulator. Window regulator.
Remote control. W. A. Bruno. 2,276,607; Mar. 17.
Repair plug. A. Baerenklau. 2,276,606; Mar. 17.
Resistance device. G. L. Pearson. 2,276,864; Mar. 17.
Resistor. J. F. Tritle and C. A. Petersen. 2,276,808; Mar. 17.
Retort. W. C. Goss. 2,276,649; Mar. 17.
Road contacts for traffic analysers. C. D. Greentree and M. S. Mead, Jr. 2,276,837; Mar. 17.
Road roller. W. H. Bramble. 2,276,713; Mar. 17.
Rotary bearing. F. W. Meredith. 2,276,734; Mar. 17.
Rotary pump. C. W. Van Ranst. 2,276,355; Mar. 17.
Rubber, Treatment of. C. Coleman. 2,276,932; Mar. 17.
Rug display rack. A. W. Foster. 2,276,769; Mar. 17.
Sadiron, shell structure. R. I. Huffman. 2,276,726; Mar. 17.
Safety pulley block. C. Dubuque. 2,276,767; Mar. 17.
Sash, Counterbalanced window. F. Schimmel. 2,276,881; Mar. 17.
Sash, Window. R. J. Polenz. 2,276,868; Mar. 17.
Screw driver, Self-holding. E. A. Dodelin. 2,276,470; Mar. 17.
Seal cutter for bottles. W. J. Donlon. 2,276,268; Mar. 17.
Seal for rotary shafts, Bearing. J. M. Leake. 2,276,622; Mar. 17.
Seismograph amplifier. R. D. Wyckoff. 2,276,708; Mar. 17.
Selector. A. P. G. Steffes. 2,276,747; Mar. 17.
Self-opening switch. W. G. Barrett. 2,276,366; Mar. 17.
Selvages on full fashioned knitting machines, Forming. E. S. Sachsenmaier. 2,276,906; Mar. 17.
Separator: *See*—
Centrifugal separator. Pump and centrifugal separator.
Liquid and gas separator.
Server or pitcher. R. Bernhardt. 2,276,917; Mar. 17.
Shaker conveyer. W. W. Sloane. 2,276,426; Mar. 17.
Shaking conveyer. D. Carden. 2,276,926; Mar. 17.
Sheet delivery mechanism. E. F. Dudley. 2,276,269; Mar. 17.
Sheet grab for hoists. N. Windsor. 2,276,905; Mar. 17.
Sheet lifting device for loose-leaf binders. R. J. Kengott. 2,276,987; Mar. 17.
Sheet products, Making a. T. C. Pond. 2,276,869; Mar. 17.
Sheets, Conveying and treating metallic. F. Eberhart. 2,276,471; Mar. 17.
Shielded protector tube. O. Ackermann. 2,276,638; Mar. 17.
Shifting means for variable speed drive. P. B. Reeves. 2,277,004; Mar. 17.
Shipping container. E. Fried. 2,276,569; Mar. 17.
Shoe. J. H. Everston. 2,276,949; Mar. 17.
Shoe, Athletic. T. P. Smith. 2,276,887; Mar. 17.
Shoe bag. S. H. De Gree. 2,276,765; Mar. 17.
Shrouded impeller. W. G. Lundquist. 2,276,404; Mar. 17.
Shutter control mechanism for moving picture projectors. A. Kindelmann and E. Boecking. 2,276,658; Mar. 17.
Shuttle, Loom. J. J. Kauffmann, Jr. 2,276,985; Mar. 17.
Shuttle, Self-threading and thread-tensioning. A. G. Russell. 2,276,880; Mar. 17.
Sign: *See*—
Electric sign.
Signal: *See*—
Directional signal.
Signaling by modulated waves. E. Peterson. 2,276,863; Mar. 17.
Signaling means for tanks, Audible. F. P. Scully and A. E. Mathey. 2,276,798; Mar. 17.
Skate, Roller. C. N. Gaines. 2,276,570; Mar. 17.
Ski harness, Magnetic. F. D. Crowther. 2,276,826; Mar. 17.
Sleeveless strap joint. J. W. Leslie. 2,276,988; Mar. 17.
Slipper, Sanitary paper. E. A. Krevis. 2,276,582; Mar. 17.
Smoking pipe. L. M., and B. Benjamin. 2,276,266; Mar. 17.
Soap, Milk. J. E. McCormick. 2,276,409; Mar. 17.
Sock. F. Blount. 2,277,012; Mar. 17.
Socket for electric lamps. T. N. Napoleon. 2,276,858; Mar. 17.
Sole flexing machine. N. A. Monfils. 2,276,330; Mar. 17.
Speed measuring apparatus. R. H. Rogers. 2,276,739; Mar. 17.
Splicing method. T. J. Grypma. 2,276,571; Mar. 17.
Spring coiling machine. E. W. Halvorsen and C. R. Bergevin. 2,276,579; Mar. 17.
Stand: *See*—
Display stand.
Starches, Manufacturing of thin boiling. H. O. Kauffmann, P. H. Margulies, and J. R. Ryan. 2,276,984; Mar. 17.
Starting device. H. O. Maddox. 2,276,500; Mar. 17.
Steam generator. A. E. Oeltjen and I. W. Ford. 2,276,624; Mar. 17.
Steam trap. W. B. Clifford. 2,276,931; Mar. 17.
Steam turbine. E. Lavarello. 2,276,695; Mar. 17.
Steamer, Hat. R. C. Utley and A. Feilchenfeld, Jr. 2,276,809; Mar. 17.
Steering wheel. H. F. George. 2,276,477; Mar. 17.
Stoker. C. R. Davison. 2,276,764; Mar. 17.
Storage projection tube. M. von Ardenne. 2,277,007; Mar. 17.
Straightening machine. L. E. Deloghia. 2,276,941; Mar. 17.
Strain gauge. S. J. A. M. Bagno. 2,276,817; Mar. 17.
Strip applying device, Tearing. E. L. Smith. 2,276,745; Mar. 17.
Stroke control for ram-feed stokers, Intermittent. W. J. Haag. 2,276,388; Mar. 17.
Structural joint. C. E. Hathorn. 2,276,391; Mar. 17.
Stylus, Sound recording. F. L. Capps. 2,276,562; Mar. 17.
Styrene and its homologs, Polymerization of. H. M. Stanley and H. P. Staudinger. 2,276,596; Mar. 17.
Superheterodyne receiver. J. Preisig. 2,276,699; Mar. 17.
Supervisory control system. H. P. Boswau. 2,276,646; Mar. 17.
Support: *See*—
Fan support.
Surge relief means for conduits. J. B. Cooper and N. C. Price. 2,276,371; Mar. 17.
Swab, Well. J. W. MacClatchie. 2,277,002; Mar. 17.
Switch: *See*—
Directional signal switch. Self-opening switch.
Disconnecting switch. Thermally operated electric switch.
Electric switch.
Flasher switch.
Switch construction. N. C. Schellenger. 2,276,673; Mar. 17.
Switchgear. B. I. Hayford. 2,276,968; Mar. 17.
Switch means for ball rolling games. H. Thompson. 2,276,748; Mar. 17.
Switch mechanism. C. W. Moore. 2,276,413; Mar. 17.
Switchgear, Metal clad. B. I. Hayford and A. L. Fletcher. 2,276,653; Mar. 17.
Synchronizing system. F. J. Bingley. 2,277,000; Mar. 17.
Syringe, Hypodermic. C. A. Clerici. 2,276,610; Mar. 17.
System for making weathering corrections. H. Hoover, Jr., and H. C. Schaeffer. 2,276,306; Mar. 17.
Table top, Ventilating metal ironing. E. T. John. 2,276,981; Mar. 17.
Take-up for sewing machines. M. L. Waterman. 2,276,900; Mar. 17.
Tank: *See*—
Fuel tank.
Tanning. J. S. Kirk. 2,276,314–15; Mar. 17.
Taping machine for the manufacture of corrugated boxes. A. J. Goldsmith. 2,276,958; Mar. 17.
Teapot. O. Ottoson. 2,276,667; Mar. 17.
Telegraph apparatus. J. W. Long and G. I. Roberts. 2,276,991; Mar. 17.
Telegraph system. J. R. Wilkerson. 2,276,533; Mar. 17.
Telephone switchboard. T. D. Robb. 2,276,515; Mar. 17.
Telephone system. R. Hoefert and K. Schröder. 2,276,489; Mar. 17.
Telephone system. B. Seiffert. 2,276,518; Mar. 17.
Television image projection device. M. von Ardenne. 2,276,359; Mar. 17.
Television image projection system. M. von Ardenne. 2,276,750; Mar. 17.
Television image projection tube. M. von Ardenne. 2,277,009; Mar. 17.
Television projection tube. M. von Ardenne. 2,276,360; Mar. 17.
Television projection tube. M. von Ardenne. 2,277,008; Mar. 17.
Temperature control system. K. K. Bowman and M. A. Edwards. 2,276,822; Mar. 17.
Tent. M. Lynn. 2,277,020; Mar. 17.
Terracing machine. W. S. Walker. 2,276,551; Mar. 17.
Textile materials, Stretching of. F. B. Hill, M. W. Alford, and T. Jackson. 2,276,394; Mar. 17.
Therapeutic apparatus, Non-radio-interfering. A. S. Milinowski. 2,276,996; Mar. 17.
Therapeutically active preparation. H. Vollmer. 2,276,677; Mar. 17.
Thermally operated electric switch. J. E. Sherlock. 2,276,885; Mar. 17.
Thermostatic control means. C. E. Quinn. 2,276,872; Mar. 17.

Thickening agents for printing and discharging pastes. A. Schneevoigt and J. Beck. 2,276,704; Mar. 17.
Thiocarbonates and imino-thiocarbonates of aromatic polyhydroxy compounds. G. Werner. 2,276,553; Mar. 17.
Thread covering apparatus. O. W. Schlums. 2,276,797; Mar. 17.
Thread rolling die. C. C. Richards. 2,276,875; Mar. 17.
3-chloro-b-alkoxy-butyraldehydes and preparing them. W. Ostrowski and O. Nicodemus. 2,276,666; Mar. 17.
Tip for typewriter ribbons, Clean. H. Mann. 2,276,324; Mar. 17.
Tire repairing apparatus. A. B. Cleveland, C. H. Bernhardt, A. W. Douglas, and E. G. Haag. Tire repairing apparatus. 2,276,687; Mar. 17.
Tone generator. M. E. Krom. 2,276,660; Mar. 17.
Tool: *See*—
Extractor removing tool. Valve seat forming tool.
Lifting and carrying tool. Weed digging and gathering tool.
Machine tool.
Piston wrist pin setting tool.
Tool and holder, Cutting. E. A. Christoph. 2,276,928; Mar. 17.
Toothbrush. R. A. Ball. 2,276,641; Mar. 17.
Toy projectile. A. Grodde. 2,276,386; Mar. 17.
Toy railroad. J. L. Bonanno. 2,276,645; Mar. 17.
Tracer and template-follower apparatus. J. L. Anderson. 2,276,755; Mar. 17.
Track interlock and safety stop mechanism. F. C. Harris and R. T. Moore. 2,276,272; Mar. 17.
Traffic controlling apparatus, Railway. E. M. Allen. 2,276,680; Mar. 17.
Traffic controlling apparatus, Railway. H. A. Wallace. 2,276,634; Mar. 17.
Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,276,862; Mar. 17.
Transmission mechanism, Electric current. J. Jonas. 2,276,983; Mar. 17.
Transmission mechanism with automatically variable ratio. C. Riparbelli and N. De Martino. 2,276,702; Mar. 17.
Transparency supporting device. W. Hofmann. 2,276,776; Mar. 17.
Trap: *See*—
Steam trap.
Treatment with liquids of metal articles, especially plates. J. Curran. 2,276,566; Mar. 17.
Trestles for stretchers, Collapsible. J. Stollenwerk. 2,276,998; Mar. 17.
Trim strip. M. C. Weaver and F. C. Skinner. 2,276,530; Mar. 17.
Trimethylolnitromethane method of purification. R. F. B. Cox. 2,276,564; Mar. 17.
Truck and axle drive, Railway. O. K. Kjolseth. 2,276,848; Mar. 17.
Truck structure, Railway. H. M. Pflager. 2,276,336–7; Mar. 17.
Tube: *See*—
Shielded protector tube. Television projection tube.
Storage projection tube.
Television image projection tube.
Tufting machine. J. W. Droll. 2,276,831; Mar. 17.
Tuning arrangement. F. Kreienfeld. 2,276,617; Mar. 17.
Turbine. W. E. Heap. 2,276,772; Mar. 17.
Turbine, Elastic fluid. S. S. Cook and L. M. Douglas. 2,276,563; Mar. 17.
Uniform. E. Cadous. 2,276,609; Mar. 17.
Utility holder. C. H. Manzler. 2,276,992; Mar. 17.
Vacuum cleaner. O. Holm-Hansen. 2,276,844; Mar. 17.
Vacuum control system. O. Ackermann. 2,276,639; Mar. 17.
Vacuum treatment of coking coals. C. S. Wolf. 2,276,362;
Valve: *See*—
Communicating valve. Inflation valve.
Dishwasher valve. Piston valve.
Gas valve.
Valve. G. G. Harrington. 2,276,620; Mar. 17.
Valve and thermally operated control therefor, Thermo-electric safety shutoff. H. F. Alfery. 2,276,909; Mar. 17.
Valve assembly. W. L. Church. 2,276,929; Mar. 17.
Valve control system, Electric. A. J. Wade. 2,276,810; Mar. 17.
Valve motion mechanism for fluid pressure engines. R. P. Delano, Jr. 2,276,290; Mar. 17.
Valve seat forming tool, Flush. R. G. Hawker. 2,276,771; Mar. 17.
Valve structure. A. W. Sturman. 2,276,433; Mar. 17.
Valve translating system, Electric. O. W. Livingston. 2,276,851; Mar. 17.
Vapor generator. G. B. Ebbets. 2,276,291; Mar. 17.
Vapor phase reactions, Executing catalyzed. F. M. McMillan and G. S. Parsons. 2,277,022; Mar. 17.
Variable frequency coupling. S. I. Rambo and R. Lee. 2,276,873; Mar. 17.
Vase, Flower holding. C. W. Fuller. 2,276,648; Mar. 17.
Vase, Ground. J. W. Vanderveer. 2,276,749; Mar. 17.
Vegetable waste, Fermentation of. B. Rosenfeld. 2,276,420; Mar. 17.
Vehicle drive system. J. F. Tritle, J. W. McNairy, and C. A. Petersen. 2,276,807; Mar. 17.
Vehicle drive system, Electric. L. W. Webb and J. W. McNairy. 2,276,812; Mar. 17.
Vehicle seat frame, Adjustable. R. W. Cox. 2,276,373; Mar. 17.
Velocity gauge. D. L. Hofer. 2,276,580; Mar. 17.
Velocity of propagation of waves through sub-surface formations, Determining the. G. M. Howard. 2,276,974; Mar. 17.
Ventilated container. C. B. Sprague. 2,276,800; Mar. 17.
Vibratory appliance for the feet. F. H. Newton. 2,276,510; Mar. 17.
Vibratory jack. E. B. Thompson. 2,276,435; Mar. 17.
Visor, Sun. M. G. Mandel. 2,276,585; Mar. 17.
Vitamin composition, Water-dispersible. R. Wechsler and B. A. Dombrow. 2,276,531; Mar. 17.
Walker and stroller, Combined baby. L. Peltier. 2,276,792; Mar. 17.
Wall spacer for concrete forms. J. L. Boettner. 2,276,458; Mar. 17.
Water circulator for hot water heating systems. A. Meletti. 2,276,410; Mar. 17.
Wave meter. T. Shimizu and S. Hamada. 2,276,743; Mar. 17.
Wave transmission system. L. W. Franklin. 2,276,952; Mar. 17.
Weathering corrections, Making. R. A. Peterson. 2,276,335; Mar. 17.
Web feeding apparatus. E. W. Kellogg. 2,276,494; Mar. 17.
Weed digging and gathering tool. J. W. Steele. 2,276,746; Mar. 17.
Welding. J. V. Caputo. 2,276,924; Mar. 17.
Welding electrode. J. V. Caputo. 2,276,925; Mar. 17.
Welding method and apparatus. J. E. Trainer. 2,276,354; Mar. 17.
Welding system. J. H. Blankenbuehler. 2,276,644; Mar. 17.
Well cleaning apparatus. R. O. Joslyn. 2,276,401; Mar. 17.
Welt applying machine. F. L. Ayers. 2,276,450; Mar. 17.
Welt applying machine. J. P. Fredericksen. 2,275,452; Mar. 17.
Wheel: *See*—
Finishing wheel. Steering wheel.
Wheel. E. L. Rietz. 2,276,876; Mar. 17.
Wheel device for railway vehicles and lubricating means therefor, Resilient. F. Prantl. 2,276,870; Mar. 17.
Wheel structure. G. A. Lyon. 2,276,405; Mar. 17.
Window operator, Rear quarter. J. B. Parsons. 2,276,512; Mar. 17.
Window raising and lowering mechanism. A. Smye. 2,276,427; Mar. 17.
Window regulator. J. B. Parsons. 2,276,511; Mar. 17.
Wing system for airplanes. F. Staufer. 2,276,522; Mar. 17.
Wiper, Windshield. M. Zaiger. 2,276,556; Mar. 17.
Wrappers, Printing coated. I. Gurwick. 2,276,387; Mar. 17.
Wringer. A. R. and G. A. Haag. 2,276,576; Mar. 17.
Wringer. A. R. Haag, F. W. Werckle, and R. E. Locher. 2,276,574–5; Mar. 17.
Yarn tension device for shuttles. G. Marcora. 2,276,408; Mar. 17.
Yeast and other like microorganisms, Manufacture of. W. G. Bennett. 2,276,710; Mar. 17.

CLASSIFICATION OF PATENTS

ISSUED MARCH 17, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Protection Equipment Co., Inc., Pittsburgh, Pa. Gas masks, gas mask canisters and parts of each. Serial No. 450,325; Mar. 24. Class 44.

Ambassador Company, New York, N. Y. Piece goods of woolen, worsted, cotton, etc. Serial No. 445,403; Mar. 24. Class 42.

American Spectator, Inc., New York, N. Y. Woolens and worsteds piece goods. Serial No. 449,365; Mar. 24. Class 42.

Archer-Daniels-Midland Company, Minneapolis, Minn. Soybean flour, linseed meal for livestock food, soybean oil meal for livestock food, and mixed feeds for poultry and livestock. Serial No. 449,404; Mar. 24. Class 46.

Armour and Company, Chicago, Ill. Oleomargarine. Serial No. 450,775; Mar. 24. Class 46.

Art Metal Company, The, Cleveland, Ohio. Electric lighting fixtures. Serial No. 439,328; Mar. 24. Class 21.

Barbizon Corporation, The, New York, N. Y. Piece goods of nylon and rayon fabrics. Serial No. 450,190; Mar. 24. Class 42.

Berger, Karl F., doing business as Berger Manufacturing Company, Bridgeport, Conn. Tapping machines. Serial No. 446,259; Mar. 24. Class 23.

Birnie, John U., doing business as Korktone Company, Los Angeles, Calif. Sheet material. Serial No. 442,779; Mar. 24. Class 50.

Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Machinery bearings, bushings for mechanical working joints and machine parts including pistons, valve stem guides, etc. Serial No. 448,719; Mar. 24. Class 23.

Brill, Max, Sons, Inc., New York, N. Y. Leathers. Serial No. 450,328; Mar. 24. Class 1.

Brunswicke-Balke-Collender Company, The, Chicago, Ill. Bowling pins. Serial No. 450,272; Mar. 24. Class 22.

Brush Development Company, The, Cleveland, Ohio. Microphones. Serial No. 441,723; Mar. 24. Class 21.

Buxton, F. D., Incorporated, Baltimore, Md. Medicinal drug in the vitamine field. Serial No. 450,893; Mar. 24. Class 6.

Cantor-Greenspan Co., Inc., New York, N. Y. Spun rayon fabrics. Serial No. 447,225; Mar. 24. Class 42.

Carol Jewelry Company, Inc., New York, N. Y. Watch cases, watches, and watch movements. Serial No. 447,358; Mar. 24. Class 27.

Certified Extracts, Inc., New York, N. Y. Imitation vanilla flavor. Serial No. 449,826; Mar. 24. Class 46.

Chicago Pharmacal Company, Chicago, Ill. Tonic. Serial No. 450,782; Mar. 24. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Preparation for use in controlling hypertension. Serial No. 450,783; Mar. 24. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Preparation of digitalis. Serial No. 450,784; Mar. 24. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Antiseptic and germicide. Serial No. 450,785; Mar. 24. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Pharmaceutical preparation for rectal anesthesia. Serial No. 450,787; Mar. 24. Class 6.

Cincinnati Ball Crank Co., The, Cincinnati, Ohio. Lubrication equipment—namely, lubricator wall batteries, portable and stationary barrel pumps, oil drains, grease and lubricant hose rolls. Serial No. 449,337; Mar. 24. Class 23.

Combustion Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Gas water heaters. Serial No. 442,391; Mar. 24. Class 34.

Contrino, Joseph, doing business as Dixie White Washing Fluid Co., Newark, N. J. Washing and cleaning preparation. Serial No. 448,723; Mar. 24. Class 4.

Cowan, M. C., and Company, Limited, Toronto, Ontario, Canada. Gloves. Serial No. 448,245; Mar. 24. Class 39.

Criterion Paper & Twine Company, New York, N. Y. Papers. Serial No. 449,722; Mar. 24. Class 37.

Crowther, John, & Sons (Milnsbridge) Limited, Yorkshire, England. Tweeds. Serial No. 449,828; Mar. 24. Class 42.

Cumbow China Decorating Company. (See Ruskin, Mabel C.)

Davi, H. R., doing business as H. R. Davi Company, Oakland, Calif. Cleaning preparation for rugs, furniture, automobile, etc. Serial No. 449,831; Mar. 24. Class 4.

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures—namely, fluorescent commercial fixtures. Serial No. 449,477; Mar. 24. Class 21.

Dixie White Washing Fluid Co. (See Contrino, Joseph.)

Double Duty Products, Inc., Cleveland, Ohio. Closure caps. Serial No. 445,087; Mar. 24. Class 50.

Double Duty Products, Inc., doing business as Safeway Chemical Company, Cleveland, Ohio. Cleansing fluids. Serial No. 445,088; Mar. 24. Class 4.

Drug Products Co., Inc., The, Long Island City, N. Y. Theobromine and digitalis preparation. Serial No. 450,874; Mar. 24. Class 6.

Duriron Company, Inc., The, Dayton, Ohio. Pumps for handling corrosive liquors. Serial No. 443,324; Mar. 24. Class 23.

Esmond Mills, Inc., The, Village of Esmond, Town of Smithfield, R. I. Blankets. Serial No. 446,753; Mar. 24. Class 42.

Eugene Fruit Growers Association, Eugene, Oreg. Vegetable juice cocktail. Serial No. 450,306; Mar. 24. Class 46.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Preparation for preserving leather. Serial No. 449,794; Mar. 24. Class 4.

Fabrizue Suisse de Crayons Caran D'Ache, S. A., Geneva, Switzerland. Mechanical pencils, lead holders, etc. Serial No. 449,338; Mar. 24. Class 37.

Farboil Paint Company, Inc., Baltimore, Md. Wall paper coating composition in the nature of a paint, varnish, or enamel. Serial No. 448,857; Mar. 24. Class 16.

Fleet Oil Company, LaFollette, Tenn. Gasoline and motor oils. Serial No. 449,797; Mar. 24. Class 15.

Flotill Products, Incorporated, Stockton, Calif. Canned vegetables. Serial No. 450,586; Mar. 24. Class 46.

Fuld Bros., Baltimore, Md. Disinfectants. Serial No. 450,011; Mar. 24. Class 6.

Gaines, Jesse, et al. (See Gaines, M. Charles, assignor.)

Gaines, M. Charles, assignor to Jesse Gaines and Rose Liebowitz, doing business as J. R. Publishing Company, New York, N. Y. Pictorial booklet of comic cartoons. Serial No. 438,927; Mar. 24. Class 38.

Garvin, W. H., doing business as United Marketing Exchange, Delta, Colo. Fresh deciduous fruits. Serial No. 449,401; Mar. 24. Class 46.

Geeting & Fromm, Inc., Chicago, Ill. Still and sparkling wines. Serial No. 450,098; Mar. 24. Class 47.

Gemex Company, Newark, N. J. Wrist watch straps of leather or fabric; apparel buckles and collar and cuff buttons. Serial No. 449,573; Mar. 24. Class 40.

Golan Wines Inc., Los Angeles, Calif. Wines. Serial No. 449,342; Mar. 24. Class 47.

Gorton, Thomas S., Jr., doing business as Slade Gorton Company, Chicago, Ill. Specially prepared whiting fish. Serial No. 447,374; Mar. 24. Class 46.

Gourielli, Inc., New York, N. Y. Perfumes. Serial No. 450,834; Mar. 24. Class 6.

Griffith-Durney Company of Washington, Seattle, Wash. Canned salmon. Serial No. 448,509; Mar. 24. Class 46.

Grupcheff, Peter P., Los Angeles, Calif. "Bulgar Bacilli", a cultured bacillus or cultured milk for human consumption. Serial No. 450,308; Mar. 24. Class 46.

Haendel, Henry M., Brooklyn, N. Y. Partial dentures, dental bridges, etc. Serial No. 449,321; Mar. 24. Class 44.

Hampden Brewing Company, Willimansett, Mass. Ale. Serial No. 449,549; Mar. 24. Class 48.

Holly Molding Devices, Chicago, Ill. Hamburger molding machines. Serial No. 449,278; Mar. 24. Class 23.

Horner Woolen Mills Company, Eaton Rapids, Mich. Blankets. Serial No. 450,277; Mar. 24. Class 42.

Howards Fifth Ave. Inc., New York, N. Y. Textile fabrics. Serial No. 449,609; Mar. 24. Class 42.

Ingersoll-Rand Company, New York, N. Y. Portable gas compressors. Serial No. 449,723; Mar. 24. Class 23.

International Nickel Company, Inc., The, New York, N. Y. Nails. Serial No. 439,775; Mar. 24. Class 13.

International Paper Company, New York, N. Y. Wrapping paper. Serial No. 449,458; Mar. 24. Class 37.

J. R. Publishing Company. (See Gaines, M. Charles.)

Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. Serial No. 449,344; Mar. 24. Class 28.

Jones, Edwin M., Silver Spring, Md. Advertising collar or device for bottles. Serial No. 449,689; Mar. 24. Class 50.

Julian & Kokenge Co., The, Columbus, Ohio. Shoes. Serial No. 450,162; Mar. 24. Class 39.

Kalak Water Co. of New York, Inc., Louisville, Ky., and New York, N. Y. Nonalcoholic maltless beverage. Serial No. 449,580; Mar. 24. Class 45.

Kellogg Company, Battle Creek, Mich. Live stock feed, poultry feed and mash, etc. Serial No. 436,055; Mar. 24. Class 46.

Kisco Company, Inc., St. Louis, Mo. Circulator fan assemblies. Serial No. 449,459; Mar. 24. Class 21.

Korktone Company. (See Birnie, John U.)

Kushner & Pines, Inc., New York, N. Y. Finger rings. Serial No. 450,103; Mar. 24. Class 28.
Liebowitz, Rose, et al. (See Gaines, M. Charles, assignor.)
Loretta Hairnets Inc., New York, N. Y. Hairnets. Serial No. 448,417; Mar. 24. Class 39.
Lowe, Joe, Corporation, New York, N. Y. Powdery coating or dusting admixture. Serial No. 430,408; Mar. 24. Class 46.
Lyons Band Instrument Company, Chicago, Ill. Band and orchestra musical instruments and accessories. Serial No. 444,351; Mar. 24. Class 36.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Offset paper in rolls. Serial No. 450,074; Mar. 24. Class 37.
McLellan, E. W., Co., San Francisco, Calif. Real flowers. Serial No. 449,527; Mar. 24. Class 1.
Mead Corporation, The, Chillicothe, Ohio. Resinous material. Serial No. 450,018; Mar. 24. Class 1.
Menasha Products Company, Menasha, Wis. Waxed paper. Serial No. 446,629; Mar. 24. Class 37.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 439,823; Mar. 24. Class 37.
Milton Bradley Company, Springfield, Mass. Blackboard erasers. Serial No. 449,885; Mar. 24. Class 37.
Napa & Sonoma Wine Co., San Francisco, Calif. Wines. Serial No. 449,429; Mar. 24. Class 47.
National Artist Materials Company, Inc., New York, N. Y. Photo mat-mounts, artist illustration board, mounting board, etc. Serial No. 450,242; Mar. 24. Class 37.
Northrup, King & Co., doing business as Westland Seed Company, Berkeley, Calif. Seeds. Serial No. 450,075; Mar. 24. Class 1.
O'Neil, Keith and Hopkins, Spokane, Wash. Cartridges. Serial No. 450,375; Mar. 24. Class 9.
Parfum L'Orle, Inc., New York, N. Y. Deodorizing freshener. Serial No. 450,243; Mar. 24. Class 6.
Parfums Schiaparelli, Inc., New York, N. Y. Bath sponges. Serial No. 449,385; Mar. 24. Class 1.
Penberthy Injector Company, Detroit, Mich. Electric sump pumps. Serial No. 448,706; Mar. 24. Class 23.
Personal Appearance, Inc., Provincetown, Mass. Cologne and toilet water. Serial No. 446,955; Mar. 24. Class 6.
Rasmussen Shoe Company, Westboro, Mass. Shoes. Serial No. 450,023; Mar. 24. Class 39.
Rennex Corporation, New York. N. Y. Rennet preparation. Serial No. 449,328; Mar. 24. Class 46.
Resistoflex Corporation, Belleville, N. J. Gloves and aprons. Serial No. 450,284; Mar. 24. Class 39.
Robert Company, The. (See Smith, Clifford R.)
Rochester Shoe Tree Co. (See Schelter Last Co., Inc.)
Roth Tobacco Company, Cape Girardeau, Mo. Plug tobacco. Serial No. 449,743; Mar. 24. Class 17.
Ruskin, Mabel C., doing business as Cumbow China Decorating Company, Abingdon, Va. Ceramic, table and cooking ware, vases, jars, jugs, etc. Serial No. 448,654; Mar. 24. Class 30.
Safeway Chemical Company. (See Double Duty Products, Inc.)
Saks & Company, New York, N. Y. Gloves. Serial No. 450,117; Mar. 24. Class 39.
Schelter Last Co., Inc., doing business as Rochester Shoe Tree Co., Rochester, N. Y. Shoe trees. Serial No. 450,346; Mar. 24 Class 50.
Sears, Roebuck and Co., Chicago, Ill. Bleached cotton. Serial No. 450,380; Mar. 24. Class 1.
Selby Shoe Company, The, Portsmouth, Ohio. Shoes. Serial No. 449,194; Mar. 24. Class 39.
Shepard, Joseph C., Wilmington, N. C. Washing powder. Serial No. 428,635; Mar. 24. Class 4.
Shoe Covers Corporation, New York, N. Y. Rubber or latex in solution or aqueous suspension. Serial No. 450,213; Mar. 24. Class 1.
Smith, Clifford R., doing business as The Robert Company, Atlanta, Ga. Chenille fabrics. Serial No. 448,924; Mar. 24. Class 42.
Smith, Landon P., Inc., Irvington, N. J. Unitary kits including an assembly of glass cutters, putty knives, wall scrapers, and scrapers for general purposes, used by painters, glaziers, and the like. Serial No. 449,024; Mar. 24. Class 23.
Snider Packing Corporation, Rochester, N. Y. Chili sauce. Serial No. 446,817; Mar. 24. Class 46.
South Carolina Peach Growers Association, Spartanburg, S. C. Canned and preserved peaches. Serial No. 445,160; Mar. 24. Class 46.
Southern Dairies, Inc., doing business as Southern Dairies Laboratories, Washington, D. C. Effervescent milk drink. Serial No. 413,800; Mar. 24. Class 46.
Standard Milling Company, New York, N. Y. Wheat flour, wheat middlings, wheat screenings, etc. Serial No. 421,786; Mar. 24. Class 46.
Stewart-Warner Corporation, Chicago, Ill. Die castings. Serial No. 446,150; Mar. 24. Class 14.
Sunway Fruit Products, doing business as Sunway Vitamin Company, Chicago, Ill. Fruit juices. Serial No. 447,050; Mar. 24. Class 45.
Textileather Corporation, Toledo, Ohio. Coated fabrics. Serial Nos. 450,250–1; Mar. 24. Class 50.
Thomas, M. & W., Corporation, New York, N. Y. Neckties. Serial No. 445,968; Mar. 24. Class 39.
Thompson-Products, Incorporated, Cleveland, Ohio. Vehicle wheel aligning devices for shop service. Serial No. 449,706; Mar. 24. Class 23.
Threadwell Tap & Die Company, Greenfield, Mass. High speed cut thread taps. Serial No. 441,793; Mar. 24. Class 23.
Threadwell Tap & Die Company, Greenfield, Mass High speed commercial ground thread taps. Serial No. 441,794; Mar. 24. Class 23.
Threadwell Tap & Die Company, Greenfield, Mass. High speed precision ground thread taps. Serial No. 441,795; Mar. 24. Class 23.
United American Metals Corporation, Brooklyn, N. Y. Non-ferrous alloy. Serial No. 450,322; Mar. 24 Class 14.
United Commercial Sales Co., Los Angeles, Calif. Refrigerators. Serial No. 450,382; Mar. 24. Class 31.
United Marketing Exchange. (See Garvin, W. H.)
United Precision Products Co., Chicago, Ill. Plug gauges and parts therefor. Serial Nos. 450,215–16; Mar. 24. Class 26.
Univis Lens Company, The, Dayton, Ohio. Ophthalmic lens blanks and eyeglass lenses. Serial No. 448,883; Mar. 24. Class 26.
Vitro-Agate Company, The, Parkersburg, W. Va. Ornamental articles. Serial Nos. 448,713–14; Mar. 24. Class 50.
Webber, William L., Vancouver, British Columbia, Canada. Jewelry. Serial No. 443,096; Mar. 24. Class 28.
Weber, Alfred, St. Louis, Mo. Canine identification devices employed in inscribing identification characters on dogs. Serial No. 448,715; Mar. 24. Class 50.
Westinghouse Electric & Manufacturing Company, East Pittsburgh. Pa. Control apparatus for electric welders. Serial No. 449,110; Mar. 24. Class 21.
Westland Seed Company. (See Northrup, King & Co.)
Wilder Manufacturing Co., The, Niles, Ohio. Draft diverters, gas furnaces, and unit heaters. Serial No. 450,465; Mar. 24. Class 34.
Williams, R. C., & Company, Inc., New York, N. Y. Flavoring extracts. Serial No. 444,481; Mar. 24. Class 46.
Wishnick-Tumpeer, Inc., Chicago, Ill. Precipitated calcium carbonate. Serial No. 450,872; Mar. 24. Class 6.
Wolfe & Lang, Inc., New York, N. Y. Girdles and corsets. Serial No. 450,578; Mar. 24. Class 39.
Wyler, Paul, Forest Hills, N. Y. Watches. Serial No. 449,164; Mar. 24. Class 27.

LIST OF REGISTRANTS OF TRADE-MARKS

Aircraft Industries Corporation, Tenafly, N. J. Cutting attachments for machine tools, fixtures for assembling machine parts, and stamping and cutting dies. 394,187; Mar. 24; Serial No. 447,420; published Jan. 6, 1942. Class 23.
Amalgamated Dental Company Limited, The. (See Ash, Claudius, Sons & Company Limited.)
Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. 394,245; Mar. 24. Class 42.
American Milk Products Corporation, New York, N. Y., by change of name to General Milk Company, Inc. Evaporated milk. 157,634; renewed Aug. 15, 1942.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Rope and cables. 154,865; renewed May 16, 1942.
American Steel and Wire Company of New Jersey, The, Cleveland. Ohio. Electrical wires and rail bonds, 155,598; renewed June 6, 1942.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Aerial tramways and tramway carriers and tools and shafting. 155,918; renewed June 13, 1942.
American Thread Company, The, Jersey City, N. J., to American Thread Company, The, New York, N. Y. Spool and sewing cotton, thread and cotton yarns. 156,987; renewed July 25, 1942.
Armour and Company. (See Memphis Packing Corporation, assignor.)
Ash, Claudius, Sons & Company Limited, London, England, by change of name to The Amalgamated Dental Company Limited. Dental apparatus and supplies. 154,246; renewed Apr. 11, 1942.
Automatic Instrument Company, Chicago, Ill. Combination coin-operated phonographs, and talking picture machines. 394,197; Mar. 24; Serial No. 447,929; published Jan. 6, 1942. Class 26.
Auto Supplies Mfg. Co., Inc., The, Denver, Colo. Chemically treated polishing cloths. 394,206; Mar. 24; Serial No. 448,128; published Jan. 13, 1942. Class 4.
Baeder Adamson Company, Boston, Mass., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Flint paper and flint cloth, garnet paper and garnet cloth, etc. 151,653; renewed Feb. 14, 1942.

Baeder Adamson Company, Boston, Mass., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Flint paper and flint cloth. 151,654; renewed Feb. 14, 1942.
Baeder Adamson Company, Boston, Mass., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Packing, for gaskets, valves, and pipe joints. 153,971; renewed Apr. 4, 1942.
Bassick Company, The, Bridgeport, Conn. Desk cups of composition material and rubber desk shoes. 394,240; Mar. 24; Serial No. 449,200; published Jan. 13, 1942. Class 32.
Beatty Coal Company, to Jewel Coal and Mining Company, Kansas City, Mo., successor. Coal. 155,927; renewed June 13, 1942.
Beech-Nut Packing Company, Canajoharie, N. Y. Baking powder. 157,307; renewed Aug. 1, 1942.
Binder, Richard C. R., and Laura B. Schreiber, Philadelphia, Pa., trustees of the estate of Richard Binder, deceased, to Richard C. R. Binder and Laura B. Schreiber, Margate, N. J., trustees of the estate of Richard Binder, deceased. Soap. 157,644; renewed Aug. 15, 1942.
Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Hydraulic pumps and rolling mill supplies including cast iron, cast steel, and alloy steel rolls. 394,184–5; Mar. 24; Serial Nos. 447,386–7; published Jan. 6, 1942. Class 23.
Bisodol Co., Inc., New York, N. Y., assignor to The Bisodol Company, New Haven, Conn. Medicinal preparation. 157,310; renewed Aug. 1, 1942.
Blamey, J. Harry, doing business as Blamey Decorating Co., Sacramento, Calif. Adhesive paste. 394,158; Mar. 24; Serial No. 444,748; published Jan. 13, 1942. Class 5.
Blatz, Val, Brewing Company, Milwaukee, Wis., by change of name to Blatz Brewing Company. Near beer, malt tonic, malt sirup, etc. 157,399; renewed Aug. 1, 1942.
Brunswick-Balke-Collender Company, Wilmington, Del., and Chicago, Ill., assignor to Brunswick Radio Corporation, New York, N. Y. Phonographs and phonograph records. 156,636; renewed July 11, 1942.
Brush Development Company, The, Cleveland, Ohio. Direct recording oscillograph units, vibration pickups, headphones, etc. 394,146; Mar. 24; Serial No. 439,801; published Dec. 30, 1941. Class 26.
Butterfield, Arthur W. (See Power-Oil Co. Ltd., The, assignor.)
Caldwell, Dr. W. B., Inc. (See Metz, Herman A.)
Capewell Horse Nail Company, The, by merger, to The Capewell Manufacturing Company, Hartford, Conn. Horseshoe nails. 157,472–3; renewed Aug. 8, 1942.
Carpenter Steel Company, The, Reading, Pa. Alloy steel. 154,897; renewed May 16, 1942.
Carpenter Steel Company, The, Reading, Pa. Tool steels. 157,023; renewed July 25, 1942.
Carroll, William B., assignor, by mesne assignments, to Hart Leather Finish Corporation, Chicago, Ill. Finishes for leathers. 153,986; renewed Apr. 4, 1942.
Casco Products Corporation, Bridgeport, Conn. Electric fans. 394,222–3; Mar. 24; Serial Nos. 448,549–50; published Jan. 13, 1942. Class 21.
Cer-Lax Company, The, Canton, Ohio. Prepared cereal food. 394,243; Mar. 24. Class 46.
Cerruti & Cominelli, New York, N. Y. Cheese. 394,189; Mar. 24; Serial No. 447,536; published Jan. 13, 1942. Class 46.
Champion Pecan Machine Company, The, San Antonio, Tex. Nut cracking and processing machines and parts thereof. 394,202; Mar. 24; Serial No. 448,038; published Jan. 13, 1942. Class 23.
Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Washing powder. 394,229; Mar. 24; Serial No. 448,672; published Jan. 13, 1942. Class 4.
Cheramy, Inc., New York, N. Y. Perfume, toilet water, face lotion, etc. 157,316; renewed Aug. 1, 1942.
Cherry Blossom Manufacturing Company. (See Standard Bottling Company, assignor.)
Cheramy, Inc., New York, N. Y. Soap. 157,654; renewed Aug. 15, 1942.
Chore Utensils Corporation of America, The. (See Kingman, Russell B., assignor.)
Chisholm-Moore Hoist Corporation, Towanda, N. Y. Hoists. 394,167; Mar. 24; Serial No. 446,073; published Jan. 6, 1942. Class 21.
Cleveland Gasket and Manufacturing Company, The, Cleveland, Ohio. Gaskets and plant fibre sheet packing material. 394,198; Mar. 24; Serial No. 447,932; published Jan. 13, 1942. Class 35.
Colorado Milling & Elevator Co., The, Denver and Eaton, Colo. Flour. 151,715; renewed Feb. 14, 1942.
Columbus Manufacturing Company, Columbus, Ga. Sheetings. 157,479; renewed Aug. 8, 1942.
Cosmata, Inc., Long Island City, N. Y. Soaps. 394,231; Mar. 24; Serial No. 448,756; published Jan. 13, 1942. Class 4.
Crawford Produce Company, San Benito, Tex. Fresh vegetables and fresh citrus fruits. 394,203; Mar. 24; Serial No. 448,040; published Jan. 13, 1942. Class 46.
Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures of the crown type. 394,201; Mar. 24; Serial No. 447,999; published Jan. 13, 1942. Class 50.
Crown Manufacturing Company, Inc. (See Greenbaum Weil & Michels, assignor.)
De Nobili Cigar Company, Long Island City, N. Y. Cigars and smoking tobacco. 394,175; Mar. 24; Serial No. 446,829; published Jan. 13, 1942. Class 17.
Deming Company, The, Salem, Ohio. Shallow well pumps. 394,148; Mar. 24; Serial No. 441,568; published July 15, 1941. Class 23.
Denicron Corporation, Carlisle, Pa. Carpets, rugs, draperies, etc. 394,151; Mar. 24; Serial No. 443,156; published Jan. 6, 1942. Class 42.
Detco Manufacturing Co. (See Dettra, John C., assignor.)
Dettra, John C., assignor to Howard C. Dettra, doing business as Detco Manufacturing Co., Oaks, Pa. Hedge trimmers. 152,384; renewed Feb. 28, 1942.
Dillon-Beck Manufacturing Company, Irvington, N. J. Plastic self-adjusting casting floats. 394,181; Mar. 24; Serial No. 447,266; published Jan. 13, 1942. Class 22.
Donnelly Garment Company, Kansas City, Mo. Dresses, aprons and house dresses. 155,669; renewed June 6, 1942.
Doran, Harry W., doing business as Harry's Diner, New Orleans, La. Specially prepared fried chicken dinner. 394,172; Mar. 24; Serial No. 446,620; published Jan. 13, 1942. Class 46.
Dow Chemical Company, The, Midland, Mich. Insecticides and fungicides. 153,701; renewed Mar. 28, 1942.
Economy Dental Supply Co., Portland, Oreg. Plastic material used in the manufacture of dentures. 394,218; Mar. 24; Serial No. 448,504; published Jan. 13, 1942. Class 44.
Emery Industries, Inc., Cincinnati, Ohio. Absorbefacient and detergent. 394,153–4; Mar. 24; Serial Nos. 443,495–6; published Jan. 13, 1942. Class 4.
Emery Industries, Inc., Cincinnati, Ohio. Absorbefacient for dry cleaning. 394,155; Mar. 24; Serial No. 443,497; published Jan. 13, 1942. Class 4.
Emery Candle Company, The, assignor to Emery Industries, Inc., Cincinnati, Ohio. Lubricating oils. 154,018; renewed Apr. 4, 1942.
Erlinder-Platt Sales Corporation, Chicago, Ill. Automobile and truck bodies and motor boats. 394,215; Mar. 24; Serial No. 448,410; published Jan. 13, 1942. Class 19.
Ever Sharp File Co., Taunton, to Simonds Saw and Steel Company, Fitchburg, Mass., successor. Files. 149,046; renewed Dec. 6, 1941.
Euthola Mfg. Co., St. Louis, Mo., to Julius A. Stevenson, Chicago, Ill., successor. Face powders, face creams, cold creams, etc. 150,807; renewed Jan. 10, 1942.
Fidelity Trading Company. (See Sassoon, Edward.)
Fisk Rubber Company, The, Chicopee Falls, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Tires, tubes, and accessories. 154,025; renewed Apr. 4, 1942.
Flintkote Company, The. (See Heppes-Nelson Roofing Company, The, assignor.)
Flock Manufacturing Company, The, Philadelphia, Pa. Thread and yarn. 157,064; renewed July 25, 1942.
Forstmann & Huffmann Company, assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 153,443–8; renewed Mar. 21, 1942.
Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Organization adviser pins, badges, and buttons, buckles, collegiate chapter pins, etc. 394,159; Mar. 24; Serial No. 445,050; published Jan. 13, 1942. Class 28.
Future Farmers of America, Inc., Richmond, Va., and Washington, D. C. Pennants, banners, plaques, etc. 394,160; Mar. 24; Serial No. 445,051; published Jan. 13, 1942. Class 50.
General Milk Company, Inc. (See American Milk Products Corporation.)
General Printing Ink Corporation. (See Ullman Sigmund Company, assignor.)
Gillette Rubber Company, assignor to Gillette Rubber Company, Eau Claire, Wis., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Tires and treads. 155,426; renewed May 30, 1942.
Globe Soap Company, The, to Procter & Gamble Company. The, Cincinnati, Ohio. Soap. 155,428; renewed May 30, 1942.
Gordon, Eva, New York, N. Y. Artificial trees, Christmas tree decorations and ornaments. 394,178; Mar. 24; Serial No. 447,102; published Jan. 13, 1942. Class 50.
Graham Bros. Soap Company, Chicago, Ill., to The Hewitt Soap Company, Inc., Dayton, Ohio, successor. Soap. 144,220; renewed June 28, 1941.
Great Western Smelting & Refining Company, Chicago, Ill., to Great Western Smelting & Refining Company, New York, N. Y. Metals and alloys. 152,412; renewed Feb. 28, 1942.
Greenbaum, Weil & Michels, assignor to Crown Manufacturing Company, Inc., San Francisco, Calif. Shirts. 157,084; renewed July 25, 1942.
Haase, Wilbert W., Co., Inc., Forest Park, Ill. Burial vaults. 394,182; Mar. 24; Serial No. 447,331; published Jan. 13, 1942. Class 2.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Preparations for coagulating or curdling milk. 152,719; renewed Mar. 7, 1942.

Harlequin Corporation, The, New York, N. Y. Ophthalmic mountings and lenses and parts thereof. 394,212–13; Mar. 24; Serial Nos. 448,384–5; published Dec. 30, 1941. Class 26.

Harry's Diner. (See Doran, Harry W.)

Hart Leather Finish Corporation. (See Carroll, William B., assignor.)

Haskins Bros. & Company, Sioux City, Iowa, and Omaha, to Haskins Bros. & Company, Omaha, Nebr. Soap. 157,680; renewed Aug. 15, 1942.

Heppes-Nelson Roofing Company, The, assignor to The Richardson Company, Chicago, Ill., assignor, by mesne assignments, to The Flintkote Company, New York, N. Y. Roofing. 154,048; renewed Apr. 4, 1942.

Hewitt Soap Company, Inc., The. (See Graham Bros. Soap Company.)

Hewitt Soap Company, Inc., The. (See Remmers Soap Company, The.)

Hilander, K. Paul, to Maydale Beverage Company, Inc., Maynard, Mass., successor. Beverages. 154,050; renewed Apr. 4, 1942.

Hills Brothers Company, The, New York, N. Y. Dates. 156,572; renewed June 27, 1942.

Hills Bros. Coffee Inc., San Francisco, Calif. Coffee. 394,248; Mar. 24. Class 46.

Hurd, Gordon, Flushing, N. Y. Hand trucks in the nature of wheeled shopping bags. 394,211; Mar. 24; Serial No. 448,294; published Jan. 13, 1942. Class 19.

Insuline Corp. of America, Inc., Long Island City, N. Y. Radio receiving sets and electrical parts therefor, such as electric insulators, panels, etc. 394,170; Mar. 24; Serial No. 446,359; published Jan. 6, 1942. Class 21.

International Bedding Company, The, Baltimore, Md. Mattresses, pillows, and box-springs. 394,238; Mar. 24; Serial No. 449,181; published Jan. 13, 1942. Class 32.

Iowa Soap Company, Burlington, Iowa. Laundry soap. 157,690; renewed Aug. 15, 1942.

James Manufacturing Company, Fort Atkinson, Wis. Farm buildings—namely, unassembled or knocked down. 394,188; Mar. 24; Serial No. 447,482; published Jan. 6, 1942. Class 12.

Jewel Coal and Mining Company. (See Beatty Coal Company.)

Jones, Paul A., doing business as Kiddie Brush & Toy Company, Jonesville, Mich. Toy carpet sweepers, toy housecleaning sets and their contents consisting of floor mops, etc. 394,239; Mar. 24; Serial No. 449,182; published Jan. 13, 1942. Class 22.

Kellogg Company. (See MacLeod Laboratories.)

Kiddie Brush & Toy Company. (See Jones, Paul A.)

Kingman, Russell B., assignor to The Chore Utensils Corporation of America, Orange, assignor, by mesne assignments, to Metal Textile Corporation, West Orange, N. J. Scouring cloths. 155,734; renewed June 6, 1942.

Knapp-Monarch Company, St. Louis, Mo. Hair clippers and electric shavers. 394,193; Mar. 24; Serial No. 447,741; published Jan. 6, 1942. Class 23.

Kohnstamm-Wolfe, Inc., New York, N. Y. Optical goods—namely, opthalmic and objective lenses, eye-glasses, spectacles, etc. 394,186; Mar. 24; Serial No. 447,397; published Dec. 30, 1941. Class 26.

Kramer, Sauber & Kesting, Incorporated to Kramer Company, The, Baltimore, Md., successor. Middy blouses. 155,739; renewed June 6, 1942.

Krieger Oil Co. of California, Clearwater, Calif. Petroleum products, particularly motor oils, gasolines, Diesel fuels, etc. 394,220; Mar. 24; Serial No. 448,512; published Jan. 6, 1942. Class 15.

Lookout Oil & Refining Company. (See Wynne, Oliver, assignor.)

Los Angeles Soap Company, Los Angeles, Calif. Soap. 151,852; renewed Feb. 14, 1942.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 151,854; renewed Feb. 14, 1942.

Los Angeles Soap Company, Los Angeles, Calif. Washing powder. 151,855; renewed Feb. 14, 1942.

Lottman, C. F. & Sons, Houston, Tex. Mattresses. 157,706; renewed Aug. 15, 1942.

Ludlow Manufacturing & Sales Co. (See Smith & Dove Mfg. Co., assignor.)

MacLeod Laboratories, Palmyra, N. J., assignor to Kellogg Company, Battle Creek, Mich. Canned fruits and fruit juices for food purposes. 394,143; Mar. 24; Serial No. 437,207; published Sept. 23, 1941. Class 46.

MacLeod Laboratories, Palmyra, N. J., assignor to Kellogg Company, Battle Creek, Mich. Sandwiches, waffle sandwiches, and pies. 394,144; Mar. 24; Serial No. 437,209; published Sept. 23, 1941. Class 46.

Magnaflux Corporation, Chicago, Ill. Metallic comminuted paramagnetic material. 394,173; Mar. 24; Serial No. 446,740; published Jan. 13, 1942. Class 14.

Maine Canned Foods, Inc., Portland, Maine. Canned food products. 394,196; Mar. 24; Serial No. 447,814; published Jan. 13, 1942. Class 46.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Unitary electric pressure control devices, etc. 394,152; Mar. 24; Serial No. 443,335; published Dec. 30, 1941. Class 21.

Marshall Field & Company, Chicago, Ill. Lace curtains. 394,219; Mar. 24; Serial No. 448,506; published Jan. 6, 1942. Class 42.

Marshall Field & Company, Chicago, Ill. Women's handbags. 394,233; Mar. 24; Serial No. 448,860; published Jan. 13, 1942. Class 3.

Marshall Field & Company, Chicago, Ill. Women's handbags. 394,236–7; Mar. 24; Serial Nos. 449,174–5; published Jan. 13, 1942. Class 3.

Maydale Beverage Company, Inc. (See Hilander, K. Paul.)

McHutchison & Co., New York, N. Y. Raffia. 394,204–5; Mar. 24; Serial Nos. 448,107–8; published Jan. 13, 1942. Class 1.

Memphis Packing Corporation, Memphis, Tenn., assignor to Armour and Company, Chicago, Ill. Smoked meats and lard. 157,713; renewed Aug. 15, 1942.

Metal Textile Corporation. (See Kingman, Russell B., assignor.)

Metz, Herman A., New York, N. Y., assignor, by mesne assignments, to Dr. W. B. Caldwell, Inc., Monticello, Ill. Food supplement for children and invalids. 157,715; renewed Aug. 15, 1942.

Movado Watch Agency, Inc., New York, N. Y. Watches. 394,192; Mar. 24; Serial No. 447,706; published Jan. 13, 1942. Class 27.

Meyenberg, J. P., Jr., doing business as J. P. Meyenberg Jr. Sales Co., Salinas, Calif. Canned fruit and vegetable juices for food purposes, canned milk, canned fruits, etc. 394,208; Mar. 24; Serial No. 448,198; published Jan. 13, 1942. Class 46.

Minnesota Mining & Manufacturing Company. (See Baeder Adamson Company, assignor.)

Mooresville Cotton Mills, Mooresville, N. C. Mixed cotton and rayon piece goods, wool and cotton piece goods, and woolen piece goods, etc. 394,209; March 24; Serial No. 448,260; published Jan. 6, 1942. Class 42.

Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton ducks, water-proof ducks, and cotton piece goods. 394,214; Mar. 24; Serial No. 448,391; published Jan. 6, 1942. Class 42.

Mushet, W. E., trading as W. E. Mushet Company, San Francisco, Calif. Fire brick, furnace tile, baffle tile, etc. 156,715–16; renewed July 11, 1942.

Music You Enjoy, Inc., New York, N. Y. Phonograph records. 394,168; Mar. 24; Serial No. 446,276; published Dec. 30, 1941. Class 36.

Muskegon Piston Ring Company, Muskegon, Mich. Piston rings. 394,241; Mar. 24; Serial No. 449,287; published Jan. 13, 1942. Class 35.

Myers Dry Goods Co., to Myers Dry Goods Co., Morristown, Tenn., successor. Underwear, sweaters, neckties, etc. 157,158; renewed July 25, 1942.

National Bellas Hess Inc. (See National Cloak & Suit Co., assignor.)

National Cloak & Suit Co., New York, N. Y., assignor, by mesne assignments, to National Bellas Hess Inc., North Kansas City, Mo. Clothing. 155,023; renewed May 16, 1942.

National Sugar Refining Company, The, New York, N. Y. Sugar. 394,227; Mar. 24; Serial No. 448,646; published Jan. 13, 1942. Class 46.

Nestle's Milk Products, Inc., New York, N. Y. Powdered milk. 394,221; Mar. 24; Serial No. 447,547; published Jan. 13, 1942. Class 46.

Ney, J. M., Company, The, Hartford, Conn. Gold alloys for dental purposes. 154,347; renewed Apr. 11, 1942.

Niagara Pumps Incorporated, Huntsville, Ala. Pumps. 394,150; Mar. 24; Serial No. 442,364; published Dec. 30, 1941. Class 23.

Nilsen, Margit Studios, Inc., New York, N. Y. Dolls for exhibition purposes and use as mannequins. 394,142; Mar. 24; Serial No. 436,776; published Jan. 13, 1942. Class 22.

Nomis Corporation, The, La Fayette, Ind., and Jacksonville, Fla. Fillers for sea food sandwiches having oysters as their base. 394,166; Mar. 24; Serial No. 445,821; published Jan. 13, 1942. Class 46.

Nomis Corporation, The, La Fayette, Ind., and Jacksonville, Fla. Fillers for sea food sandwiches having fish as their base. 394,169; Mar. 24; Serial No. 446,332; published Jan. 13, 1942. Class 46.

Novadel-Agene Corporation. (See Wallace & Tiernan Co., Inc., assignor.)

Nu-Stay Process Corp., New York, N. Y. Rubberized cotton fabric in the piece which may be attached to the back of fur skins. 394,156; Mar. 24; Serial No. 443,576; published Jan. 13, 1942. Class 50.

Oettinger Lumber Company, Greensboro, N. C. Lumber, shingles, wall board, etc. 152,920; renewed Mar. 7, 1942.

Omar Incorporated, Omaha, Nebr. Wheat flour. 394,174; Mar. 24; Serial No. 446,810; published Jan. 13, 1942. Class 46.

On-On-Or Food Co. (See Parker, Bertha H.)

Orange Belt Fruit Distributors, Pomona, Calif. Fresh citrus fruit. 394,224; Mar. 24; Serial No. 448,577; published Jan. 13, 1942. Class 46.

Pacific Trading Company, Inc., San Francisco, Calif. Packaged dried shrimp. 394,180; Mar. 24; Serial No. 447,248; published Jan. 13, 1942. Class 46.

Paraloy Co., The. (See Williamson, F. E.)

Parker Appliance Company, The, Cleveland, Ohio. Tube bending machines. 394,176; Mar. 24; Serial No. 446,923; published Jan. 6, 1942. Class 23.

Parker, Bertha H., doing business as On-On-Or Food Co., Rochester, N. Y. Bran muffin mix, corn muffin mix. 394,207; Mar. 24; Serial No. 448,163; published Jan. 13, 1942. Class 46.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Metal curtain rods and metal curtain rod fixtures. 394,210; Mar. 24; Serial No. 448,262; published Jan. 13, 1942. Class 13.

Permo Products Corporation, Chicago, Ill. Phonograph needles. 394,246; Mar. 24. Class 36.

Philco Corporation, Philadelphia, Pa. Canvas carrying cases and leather carrying cases. 394,235; Mar. 24; Serial No. 449,150; published Jan. 13, 1942. Class 3.

Pioneer Parachute Company, Inc., Manchester, Conn. Aviation equipment—namely, parachutes, parachute packs, harnesses, etc. 394,164; Mar. 24; Serial No. 445,559; published Jan. 13, 1942. Class 19.

Power-Oil Co. Ltd., The, St. Louis, assignor, by mesne assignments, to Arthur W. Butterfield, University City, Mo. Lubricating oil. 155,053; renewed May 16, 1942.

Proctor & Gamble Company, The. (See Globe Soap Company.)

Production Engineering Co., Detroit, Mich. Milling machines, tool room milling machines, interchangeable unit horizontal and vertical milling machines, etc. 394,179; Mar. 24; Serial No. 447,189; published Dec. 30, 1941. Class 23.

RCA Manufacturing Company, Inc., Camden, N. J. Mechanical pencils, fountain pens, rubber stamps, ink pads, business cards, blank forms. 394,165; Mar. 24; Serial No. 445,669; published Jan. 13, 1942. Class 37.

Rand Brothers, New York, N. Y. Artificial pearl necklaces and pearl beads. 394,157; Mar. 24; Serial No. 443,781; published Jan. 13, 1942. Class 28.

Raygram Corporation, New York, N. Y. Photographic specialties, viz: hand flashguns, carrying cases for cameras, reels, etc. 394,191; Mar. 24; Serial No. 447,668; published Jan. 13, 1942. Class 26.

Red Dot Foods, Inc., Madison, Wis. Potato chips. 394,163; Mar. 24; Serial No. 445,530; published Jan. 13, 1942. Class 46.

Remmers Soap Company, The, Cincinnati, to The Hewitt Soap Company, Inc., Dayton, Ohio, successor. Soap. 144,914; renewed July 19, 1941.

Rice-Stix Dry Goods Company, St. Louis, Mo. Veils and veilings in the piece. 153,835; renewed Mar. 28, 1942.

Richardson Company, The. (See Heppes-Nelson Roofing Company, The, assignor.)

Robertson, H. H., Company, Pittsburgh, Pa. Construction materials. 153,293; renewed Mar. 14, 1942.

Roxseal Company, Inc., Long Island City, N. Y. Ready-mixed material for patching and/or resurfacing concrete and other masonry substances. 394,161; Mar. 24; Serial No. 445,181; published Jan. 6, 1942. Class 12.

Runciman & Runciman, Exeter, Calif. Fresh grapes. 394,225; Mar. 24; Serial No. 448,622; published Jan. 13, 1942. Class 46.

Safety Car Heating and Lighting Company, The, by merger, to The Safety Car Heating and Lighting Company, Inc., New York, N. Y. Lamps. 20,678; re-renewed Feb. 2, 1942.

San Fernando Citrus Association, San Fernando, Calif. Fresh citrus fruit. 394,232; Mar. 24; Serial No. 448,767; published Jan. 13, 1942. Class 46.

Sanco Manufacturing Company, Chicago, Ill. Paper articles—namely, sanitary toilet seat covers and dispensers therefor. 394,145; Mar. 24; Serial No. 439,666; published Jan. 13, 1942. Class 50.

Sassoon, Edward, doing business as Fidelity Trading Company, San Francisco, Calif. Prepared food products—namely, canned fish. 394,217; Mar. 24; Serial No. 448,462; published Jan. 13, 1942. Class 46.

Schreiber, Laura B., trustee, et al. (See Binder, Richard C. R., and Schreiber.)

Sears, Roebuck and Co., Chicago, Ill. Power tools—namely, portable electric rotary combination tools for drilling, grinding, etc. 394,141; Mar. 24; Serial No. 431,085; published Jan. 6, 1942. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Glass cooking utensils. 394,228; Mar. 24; Serial No. 448,659; published Jan. 13, 1942. Class 33.

Simonds Saw and Steel Company. (See Ever Sharp File Co.)

Sitroux Importing Company, Inc., New York, N. Y., by change of name, to The Sitroux Company, Inc. Hair nets. 157,582; renewed Aug. 8, 1942.

Smith, A. O., Corporation, Milwaukee, Wis. Metallic welding electrodes. 394,190; Mar. 24; Serial No. 447,618; published Jan. 13, 1942. Class 14.

Smith & Dove Mfg. Co., Andover, assignor, by mesne assignments, to Ludlow Manufacturing & Sales Co., Boston, Mass. Linen thread. 154,155; renewed Apr. 4, 1942.

Spencer, Elizabeth B., Wilkes-Barre, Pa. Liniment and preparation for certain uses. 151,961; renewed Feb. 14, 1942.

Stacy, Eugene C., to Eugene C. Stacy, Tiffin, Ohio, successor. Load binders. 156,759; renewed July 11, 1942.

Standard Bottling Company, Newark, N. J., assignor to Cherry Blossom Mfg. Co., Newton, Iowa, assignor to Cherry Blossom Manufacturing Company, St. Louis, Mo. Beverages and sirups. 151,249; renewed Jan. 24, 1942.

Standard Brands Incorporated, New York, N. Y. Coffee. 394,140; Mar. 24; Serial No. 425,657; published Jan. 13, 1942. Class 46.

Starr, David A., doing business as United Vacuum & Appliance Company, Minneapolis, Minn. Electric vacuum cleaners. 394,199; Mar. 24; Serial No. 447,961; published Jan. 6, 1942. Class 21.

Steatite & Porcelain Products Limited, Slough, England. Ceramic insulators for electrical insulation. 394,162; Mar. 24; Serial No. 445,182; published Dec. 30, 1941. Class 21.

Steiner Sales Company, Chicago, Ill. Pressure sprayers. 394,242; Mar. 24. Class 23.

Stevenson, Julius A. (See Euthola Mfg. Co.)

Suprex Gage Company, Pleasant Ridge, Mich. Thread gauges. 394,194–5; Mar. 24; Serial Nos. 447,770–1; published Dec. 30, 1941. Class 26.

Talon, Inc., Meadville, Pa. Separable fasteners of the slider-controlled type. 394,234; Mar. 24; Serial No. 449,108; published Jan. 13, 1942. Class 13.

Taylor, Thomas, & Sons, Inc., Hudson, Mass. Shoe laces. 394,226; Mar. 24; Serial No. 448,628; published Jan. 13, 1942. Class 40.

Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Toys and playthings, including aerial toys, balls and balloons, blackboards, etc. 394,147; Mar. 24; Serial No. 441,496; published Jan. 13, 1942. Class 22.

Traf-O-Lite, Oak Park, Ill. Combination traffic control and flash light. 394,171; Mar. 24; Serial No. 446,405; published Dec. 30, 1941. Class 21.

Tranter Manufacturing Company, Pittsburgh, Pa. Pumps, engines, farm implements, etc., and accessories therefor. 157,596; renewed Aug. 8, 1942.

Trinidad Creamery Co., The, Trinidad, Colo., Clovis and Albuquerque, N. Mex., Tucson, Ariz., El Paso, Tex., and Los Angeles, Calif. Butter. 394,249; Mar. 24. Class 46.

Ullman, Sigmund, Company, assignor to General Printing Ink Corporation, New York, N. Y. Printing inks. 151,984; renewed Feb. 14, 1942.

Uneas Manufacturing Company, Providence, R. I. Finger rings. 156,769; renewed July 11, 1942.

Union Mining Company, The, Mount Savage, Md., and Pittsburgh, Pa. Ceramic materials to be used as a monolith lining for ladles, cupolas, brick setting, etc. 394,177; Mar. 24; Serial No. 447,084; published Jan. 13, 1942. Class 1.

Union Special Machine Company, Chicago, Ill. Thread ratio control attachments for sewing machines. 394,244; Mar. 24. Class 23.

United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass., to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Awls, drivers, and sewing-machine needles. 153,888; renewed Mar. 28, 1942.

United States Rubber Company. (See Gillette Rubber Company, assignor.)

United States Rubber Company. (See Fisk Rubber Company, The.)

United States Rubber Co., New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Traveling bags, envelopes of wallet form, brief cases, etc. 154,407; renewed Apr. 11, 1942.

United Vacuum & Appliance Company. (See Starr, David A.)

United Varnish Corporation, Long Island City, N. Y. Alkali resistant pigmented coating for use on new plaster. 394,183; Mar. 24; Serial No. 447,382; published Jan. 13, 1942. Class 16.

Wallace & Tiernan Co., Inc., Newark, assignor, by mesne assignments, to Novadel-Agene Corporation, Belleville, N. J. Flour. 152,287; renewed Feb. 21, 1942.

Wallace & Tiernan Co., Inc., Newark, N. J. Chemical-control equipment for water purification, chlorine-control apparatus, and other apparatus. 156,775; renewed July 11, 1942.

Walker, Mme. C. J., Manufacturing Company, Inc., The, Indianapolis, Ind. Toilet preparations. 153,556; renewed Mar. 21, 1942.

Weston International Corp., New York, N. Y. Pyrophoric lighters. 394,247; Mar. 24. Class 34.

White's Inc., Richmond, Va. Salad dressing. 394,230; Mar. 24; Serial No. 448,746; published Jan. 13, 1942. Class 46.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 156,465–7; renewed June 20, 1942.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 156,783; renewed July 11, 1942.

Williamson, F. E., doing business as The Paraloy Co., Chicago, Ill. Phonograph needles. 394,200; Mar. 24; Serial No. 447,965; published Jan. 6, 1942. Class 36.

Wilcox-Gay Corporation, The, Charlotte, Mich. Phonographs for reproducing voice, music, and sound, etc., phonograph recording instruments, and combinations thereof. 394,149; Mar. 24; Serial No. 441,839; published Jan. 13, 1942. Class 36.

Wynne, Oliver, Norfolk, Va., assignor to Lookout Oil & Refining Company, Chattanooga, Tenn. Lard substitute. 152,011; renewed Feb. 14, 1942.

Wynne, Oliver, Norfolk, Va., assignor to Lookout Oil & Refining Company, Chattanooga, Tenn. Lard substitute. 154,746; renewed Apr. 18, 1942.

Yarnall-Waring Company, Philadelphia, Pa. Impulse steam traps. 394,216; Mar. 24; Serial No. 448,444; published Jan. 13, 1942. Class 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Ceramic materials to be used as a monolith lining for ladles, cupolas, brick setting, etc. Union Mining Company. 394,177; Mar. 24; Serial No. 447,084; published Jan. 13, 1942.
Coal. Beatty Coal Company. 155,927; renewed June 13, 1942.
Raffia. McHutchison & Co. 394,204–5; Mar. 24; Serial Nos. 448,107–8; published Jan. 13, 1942.

CLASS 2

Vaults, Burial. Wilbert W. Haase Co. 394,182; Mar. 24; Serial No. 447,331; published Jan. 13, 1942.

CLASS 3

Bags, brief cases, etc., Traveling. United States Rubber Company. 154,407; renewed Apr. 11, 1942.
Cases and leather carrying cases, Canvas carrying. Philco Corporation. 394,235; Mar. 24; Serial No. 449,150; published Jan. 13, 1942.
Handbags, Women's. Marshall Field & Company. 394,233; Mar. 24; Serial No. 448,860; published Jan. 13, 1942.
Handbags, Women's. Marshall Field & Company. 394,236–7; Mar. 24; Serial Nos. 449,174–5; published Jan. 13, 1942.

CLASS 4

Absorbefacient and detergent for dry cleaning. Emery Industries, Inc. 394,153–4; Mar. 24; Serial Nos. 443,495–6; published Jan. 13, 1942.
Absorbefacient for dry cleaning. Emery Industries, Inc. 394,155; Mar. 24; Serial No. 443,497; published Jan. 13, 1942.
Finishes for leathers. W. B. Carroll. 153,986; renewed Apr. 4, 1942.
Flint paper and flint cloth. Baeder Adamson Company. 151,654; renewed Feb. 14, 1942.
Flint paper and flint cloth, garnet paper and garnet cloth, etc. Baeder Adamson Company. 151,653; renewed Feb. 14, 1942.
Polishing cloths, Chemically treated. Auto Supplies Mfg. Co. 394,206; Mar. 24; Serial No. 448,128; published Jan. 13, 1942.
Scouring cloths. R. B. Kingman. 155,734; renewed June 6, 1942.
Soap. R. C. R. Binder and L. B. Schreiber. 157,644; renewed Aug. 15, 1942.
Soap. Cheramy, Inc. 157,654; renewed Aug. 15, 1942.
Soap. Globe Soap Company. 155,428; renewed May 30, 1942.
Soap. Graham Bros. Soap Company. 144,220; renewed June 28, 1941.
Soap. Haskins Bros. & Company. 157,680; renewed Aug. 15, 1942.
Soap. Los Angeles Soap Company. 151,852; renewed Feb. 14, 1942.
Soap. Los Angeles Soap Company. 151,854; renewed Feb. 14, 1942.
Soap. Remmers Soap Company. 144,914; renewed July 19, 1941.
Soap, Laundry. Iowa Soap Company. 157,690; renewed Aug. 15, 1942.
Soaps. Cosmata, Inc. 394,231; Mar. 24; Serial No. 448,756; published Jan. 13, 1942.
Washing powder. Charlotte Chemical Laboratories, Inc. 394,229; Mar. 24; Serial No. 448,672; published Jan. 13, 1942.
Washing powder. Los Angeles Soap Company. 151,855; renewed Feb. 14, 1942.

CLASS 5

Adhesive paste. J. H. Blamey. 394,158; Mar. 24; Serial No. 444,748; published Jan. 13, 1942.

CLASS 6

Insecticides and fungicides. Dow Chemical Company. 153,701; renewed Mar. 28, 1942.
Liniment and preparation for certain purposes. E. B. Spencer. 151,961; renewed Feb. 14, 1942.
Medicinal preparation. Bisodol Co. 157,310; renewed Aug. 1, 1942.
Perfume, toilet water, face lotion, etc. Cheramy, Inc. 157,316; renewed Aug. 1, 1942.
Powders, face creams, cold creams, etc., Face. Euthola Mfg. Co. 150,807; renewed Jan. 10, 1942.
Toilet preparations. Mme. C. J. Walker Manufacturing Company. 153,556; renewed Mar. 21, 1942.

CLASSES 6—46—48

Near beer, malt tonic, malt sirup, etc. Val Blatz Brewing Company. 157,399; renewed Aug. 1, 1942.

CLASS 7

Rope and cables. American Steel and Wire Company of New Jersey. 154,865; renewed May 16, 1942.

CLASS 11

Inks, Printing. Sigmund Ullman Company. 151,984; renewed Feb. 14, 1942.

CLASS 12

Brick, furnace tile, baffle tile, etc., Fire. W. E. Mushet. 156,715–6; renewed July 11, 1942.
Buildings, Farm. James Manufacturing Company. 394,188; Mar. 24; Serial No. 447,482; published Jan. 6, 1942.
Construction materials. H. H. Robertson Company. 153,293; renewed Mar. 14, 1942.
Lumber, shingles, wall board, etc. Oettinger Lumber Company. 152,920; renewed Mar. 7, 1942.
Material for patching and/or resurfacing concrete and other masonry substances, Ready-mixed. Roxseal Company. 394,161; Mar. 24; Serial No. 445,181; published Jan. 6, 1942.
Roofing. Heppes-Nelson Roofing Company. 154,048; renewed Apr. 4, 1942.

CLASS 13

Curtain rods and metal curtain rod fixtures, Metal. J. C. Penney Company. 394,210; Mar. 24; Serial No. 448,262; published Jan. 13, 1942.
Fasteners, Separable. Talon, Inc. 394,234; Mar. 24; Serial No. 449,108; published Jan. 13, 1942.
Nails, Horseshoe. Capewell Horse Nail Company. 157,472–3; renewed Aug. 8, 1942.
Traps, Impulse steam. Yarnall-Waring Company. 394,216; Mar. 24; Serial No. 448,444; published Jan. 13, 1942.

CLASS 14

Alloy steel. Carpenter Steel Company. 154,897; renewed May 16, 1942.
Electrodes, Metallic welding. O. A. Smith Corporation. 394,190; Mar. 24; Serial No. 447,618; published Jan. 13, 1942.
Metallic comminuted paramagnetic material. Magnaflux Corporation. 394,173; Mar. 24; Serial No. 446,740; published Jan. 13, 1942.
Metals and alloys. Great Western Smelting & Refining Company. 152,412; renewed Feb. 28, 1942.
Steels, Tool. Carpenter Steel Company. 157,023; renewed July 25, 1942.

CLASS 15

Oil, Lubricating. Power-Oil Co. Ltd. 155,053; renewed May 16, 1942.
Oils, Lubricating. Emery Candle Company. 154,018; renewed Apr. 4, 1942.
Petroleum products. Krieger Oil Co. of California. 394,220; Mar. 24; Serial No. 448,512; published Jan. 6, 1942.

CLASS 16

Coating, Alkali resistant pigmented. United Varnish Corporation. 394,183; Mar. 24; Serial No. 447,382; published Jan. 13, 1942.

CLASS 17

Cigars and smoking tobacco. De Nobili Cigar Company. 394,175; Mar. 24; Serial No. 446,829; published Jan. 13, 1942.

CLASS 19

Automobile and truck bodies and motor boats. Erlinder-Platt Sales Corporation. 394,215; Mar. 24; Serial No. 448,410; published Jan. 13, 1942.
Aviation equipment. Pioneer Parachute Company. 394,164; Mar. 24; Serial No. 445,559; published Jan. 13, 1942.
Trucks in the nature of wheeled shopping bags, Hand. G. Hurd. 394,211; Mar. 24; Serial No. 448,294; published Jan. 13, 1942.

CLASS 21

Electric fans. Casco Products Corporation. 394,222–3; Mar. 24; Serial Nos. 448,549–50; published Jan. 13, 1942.
Electric pressure control devices, Unitary. Manning, Maxwell & Moore, Incorporated. 394,152; Mar. 24; Serial No. 443,335; published Dec. 30, 1941.
Electric vacuum cleaners. D. A. Starr. 394,199; Mar. 24; Serial No. 447,961; published Jan. 6, 1942.
Electrical wires and rail bonds. American Steel and Wire Company of New Jersey. 155,598; renewed June 6, 1942.
Hoist. Chisholm-Moore Hoist Corporation. 394,167; Mar. 24; Serial No. 446,073; published Jan. 6, 1942.
Insulators for electrical insulation, Ceramic. Steatite & Porcelain Products Limited. 394,162; Mar. 24; Serial No. 445,182; published Dec. 30, 1941.
Light, Combination traffic control and flash. Traf-O-Lite. 394,171; Mar. 24; Serial No. 446,405; published Dec. 30, 1941.

Power tools—namely, portable electric rotary combination tools for drilling, grinding, etc. Sears, Roebuck and Co. 394,141; Mar. 24; Serial No. 431,085; published Jan. 6, 1942.
Radio receiving sets and electrical parts therefor. Insuline Corp. of America, Inc. 394,170; Mar. 24; Serial No. 446,359; published Jan. 6, 1942.

CLASS 22

Dolls. Margit Nilson Studios Inc. 394,142; Mar. 24; Serial No. 436,776; published Jan. 13, 1942.
Floats, Plastic self-adjusting casting. Dillon-Beck Manufacturing Company. 394,181; Mar. 24; Serial No. 447,266; published Jan. 13, 1942.
Toy carpet sweepers, toy housecleaning sets, etc. P. A. Jones. 394,239; Mar. 24; Serial No. 449,182; published Jan. 13, 1942.
Toys and playthings. Toy Manufacturers of the U. S. A. Inc. 394,147; Mar. 24; Serial No. 441,496; published Jan. 13, 1942.

CLASS 23

Awls, drivers and sewing-machine needles. United Shoe Machinery Corporation. 153,888; renewed Mar. 28, 1942.
Binders, Load. E. C. Stacy. 156,759; renewed July 11, 1942.
Chemical-control equipment for water purification, chlorine-control apparatus, and other apparatus. Wallace & Tiernan Co. 156,775; renewed July 11, 1942.
Clippers and electric shavers, Hair. Knapp-Monarch Company. 394,193; Mar. 24; Serial No. 447,741; published Jan. 6, 1942.
Cutting attachments for machine tools, fixtures, and stamping and cutting dies. Aircraft Industries Corporation. 394,187; Mar. 24; Serial No. 447,420; published Jan. 6, 1942.
Files. Ever Sharp File Co. 149,046; renewed Dec. 6, 1941.
Milling machines, tool room milling machines, etc. Production Engineering Co. 394,179; Mar. 24; Serial No. 447,189; published Dec. 30, 1941.
Nut cracking and processing machines and parts therefor. Champion Pecan Machine Company. 394,202; Mar. 24; Serial No. 448,038; published Jan. 13, 1942.
Pumps. Niagaro Pumps Incorporated. 394,150; Mar. 24; Serial No. 442,364; published Dec. 30, 1941.
Pumps and rolling mill supplies, Hydraulic. Birdsboro Steel Foundry and Machine Company. 394,184–5; Mar. 24; Serial Nos. 447,386–7; published Jan. 6, 1942.
Pumps, engines, farm implements, etc., and accessories therefor. Tranter Manufacturing Company. 157,596; renewed Aug. 8, 1942.
Pumps, Shallow well. Deming Company. 394,148; Mar. 24; Serial No. 441,568; published July 15, 1941.
Sprayers, Pressure. Steiner Sales Company. 394,242; Mar. 24.
Thread ratio control attachments for sewing machines. Union Special Machine Company. 394,244; Mar. 24.
Tramways and tramway carriers and tools and shafting, Aerial. American Steel and Wire Company of New Jersey. 155,918; renewed June 13, 1942.
Trimmers, Hedge. J. D. Dettra. 152,384; renewed Feb. 28, 1942.
Tube bending machines. Parker Appliance Company. 394,176; Mar. 24; Serial No. 446,923; published Jan. 6, 1942.

CLASS 26

Gauges, Thread. Suprex Gage Company. 394,194–5; Mar. 24; Serial Nos. 447,770–1; published Dec. 30, 1941.
Ophthalmic mountings and lenses and parts thereof. Harlequin Corporation. 394,212–13; Mar. 24; Serial Nos. 448,384–5; published Dec. 30, 1941.
Optical goods. Kohnstamm-Wolfe, Inc. 394,186; Mar. 24; Serial No. 447,397; published Dec. 30, 1941.
Oscillograph units, vibration pickups, headphones, etc., Direct recording. Brush Development Company. 394,146; Mar. 24; Serial No. 439,801; published Dec. 30, 1941.
Phonographs, and talking picture machines, Combination coin-operated. Automatic Instrument Company. 394,197; Mar. 24; Serial No. 447,929; published Jan. 6, 1942.
Photographic specialties, etc. Raygram Corporation. 394,191; Mar. 24; Serial No. 447,668; published Jan. 13, 1942.

CLASS 27

Watches. Movado Watch Agency, Inc. 394,192; Mar. 24; Serial No. 447,706; published Jan. 13, 1942.

CLASS 28

Necklaces and pearl beads, Artificial pearl. Rand Brothers. 394,157; Mar. 24; Serial No. 443,781; published Jan. 13, 1942.
Pins, badges, and buttons, buckles, etc., Organization adviser. Future Farmers of America, Inc. 394,159; Mar. 24; Serial No. 445,050; published Jan. 13, 1942.
Rings, Finger. Uncas Manufacturing Company. 156,769; renewed July 11, 1942.

CLASS 32

Desk cups and rubber desk shoes. Bassick Company. 394,240; Mar. 24; Serial No. 449,200; published Jan. 13, 1942.
Mattresses. C. F. Lottman & Sons. 157,706 renewed Aug. 15, 1942.
Mattresses, pillows, and box-springs. Internationad Bedding Company. 394,238; Mar. 24; Serial No. 449,181; published Jan. 13, 1942.

CLASS 33

Utensils, Glass cooking. Sears, Roebuck and Co. 394,228; Mar. 24; Serial No. 448,659; published Jan. 13, 1942.

CLASS 34

Lamps. Safety Car Heating and Lighting Company. 20,678; re-renewed Feb. 2, 1942.
Lighters, Pyrophoric. Weston International Corp. 394,247; Mar. 24.

CLASS 35

Gaskets and plant fibre sheet packing material. Cleveland Gasket and Manufacturing Company. 394,198; Mar. 24; Serial No. 447,932; published Jan. 13, 1942.
Packing for gaskets, valves, and pipe joints. Baeder Adamson Company. 153,971; renewed Apr. 4, 1942.
Piston rings. Muskegon Piston Ring Company. 394,241; Mar. 24; Serial No. 449,287; published Jan. 13, 1942.
Tires and treads. Gillette Rubber Company. 155,426; renewed May 30, 1942.
Tires, tubes, and accessories. Fisk Rubber Company. 154,025; renewed Apr. 4, 1942.

CLASS 36

Phonograph needles. Permo Products Corporation. 394,246; Mar. 24.
Phonograph needles. F. E. Williamson. 394,200; Mar. 24; Serial No. 447,965; published Jan. 6, 1942.
Phonographs and phonograph records. Brunswick-Balke-Collender Company. 156,636; renewed July 11, 1942.
Phonographs, phonograph recording instruments, and combinations thereof. Wilcox-Gay Corporation. 394,149; Mar. 24; Serial No. 441,839; published Jan. 13, 1942.
Records, Phonograph. Music You Enjoy, Inc. 394,168; Mar. 24; Serial No. 446,276; published Dec. 30, 1941.

CLASS 37

Paper, Toilet. White-Washburne Company. 156,465–7; renewed June 20, 1942.
Paper, Toilet. White-Washburne Company. 156,783; renewed July 11, 1942.
Pencils, fountain pens, rubber stamps, etc., Mechanical. RCA Manufacturing Company. 394,165; Mar. 24; Serial No. 445,669; published Jan. 13, 1942.

CLASS 39

Articles of clothing. National Cloak & Suit Co. 155,023; renewed May 16, 1942.
Blouses, Middy. Kramer, Sauber & Kesting, Incorporated. 155,739; renewed June 6, 1942.
Dresses, aprons and housedresses. Donnelly Garment Company. 155,669; renewed June 6, 1942.
Hair nets. Sitroux Importing Company. 157,582; renewed Aug. 8, 1942.
Shirts. Greenbaum, Weil & Michels. 157,084; renewed July 25, 1942.
Underwear, sweaters, neckties, etc. Myers Dry Goods Co. 157,158; renewed July 25, 1942.

CLASS 40

Laces, Shoe. Thomas Taylor & Sons, Inc. 394,226; Mar. 24; Serial No. 448,628; published Jan. 13, 1942.

CLASS 42

Carpets, draperies, rugs, etc. Denicron Corporation. 394,151; Mar. 24; Serial No. 443,156; published Jan. 6, 1942.
Cotton ducks, water-proof ducks, and cotton piece goods. Mount Vernon-Woodberry Mills, Inc. 394,214; Mar. 24; Serial No. 448,391; published Jan. 6, 1942.
Curtains, Lace. Marshall Field & Company. 394,219; Mar. 24; Serial No. 448,506; published Jan. 6, 1942.
Piece goods, wool and cotton piece goods, and woolen piece goods, Mixed cotton and rayon. Mooresville Cotton Mills. 394,209; Mar. 24; Serial No. 448,260; published Jan. 6, 1942.
Sheetings. Columbus Manufacturing Company. 157,479; renewed Aug. 8, 1942.
Veils and yellings in the piece. Rice-Stix Dry Goods Company. 153,835; renewed Mar. 28, 1942.
Woolen and worsted textile piece goods. Amalgamated Textiles Limited. 394,245; Mar. 24.
Woolen piece goods. Forstmann & Huffmann Company. 153,443–8; renewed Mar. 21, 1942.

CLASS 43

Cotton, thread and cotton yarns, Spool and sewing. American Thread Company. 156,987; renewed July 25, 1942.
Thread and yarn. Flock Manufacturing Company. 157,064; renewed July 25, 1942.

Thread, Linen. Smith & Dove Mfg. Co. 154,155; renewed Apr. 4, 1942.

CLASS 44

Dental apparatus and supplies. Claudius Ash, Sons & Company Limited. 154,246; renewed Apr. 11, 1942.
Gold alloys for dental purposes. J. M. Ney Company. 154,347; renewed Apr. 11, 1942.
Plastic material used in the manufacture of dentures. Economy Dental Supply Co. 394,218; Mar. 24; Serial No. 448,504; published Jan. 13, 1942.

CLASS 45

Beverages. K. P. Hilander. 154,050; renewed Apr. 4, 1942.
Beverages and sirups. Standard Bottling Company. 151,249; renewed Jan. 24, 1942.

CLASS 46

Baking powder. Beech-Nut Packing Company. 157,307; renewed Aug. 1, 1942.
Bran muffin mix, corn muffin mix. B. H. Parker. 394,207; Mar. 24; Serial No. 448,163; published Jan. 13, 1942.
Butter. Trindad Creamery Co. 394,249; Mar. 24.
Canned food products. Maine Canned Foods, Inc. 394,196; Mar. 24; Serial No. 447,814; published Jan. 13, 1942.
Canned fruit and vegetable juices, canned milk, canned fruits, etc. J. P. Meyenberg, Jr. 394,208; Mar. 24; Serial No. 448,198; published Jan. 13, 1942.
Cereal food, Prepared. Cer-Lax Company. 394,243; Mar. 24.
Cheese. Cerruti & Cominelli. 394,189; Mar. 24; Serial No. 447,536; published Jan. 13, 1942.
Chicken dinner, Specially prepared fried. H. W. Doran. 394,172; Mar. 24; Serial No. 446,620; published Jan. 13, 1942.
Coffee. Hills Bros. Coffee Inc. 394,248; Mar. 24.
Coffee. Standard Brands Incorporated. 394,140; Mar. 24; Serial No. 425,657; published Jan. 13, 1942.
Dates. Hills Brothers Company. 156,572; renewed June 27, 1942.
Fillers for sea food sandwiches having fish as their base. Nomis Corporation. 394,169; Mar. 24; Serial No. 446,332; published Jan. 13, 1942.
Fillers for sea food sandwiches having oysters as their base. Nomis Corporation. 394,166; Mar. 24; Serial No. 445,821; published Jan. 13, 1942.
Flour. Colorado Milling & Elevator Co. 151,715; renewed Feb. 14, 1942.
Flour. Wallace & Tiernan Co. 152,287; renewed Feb. 21, 1942.
Flour, Wheat. Omar Incorporated. 394,174; Mar. 24; Serial No. 446,810; published Jan. 13, 1942.
Food products—namely, canned fish, Prepared. E. Sassoon. 394,217; Mar. 24; Serial No. 448,462; published Jan. 13, 1942.
Food supplement for children and invalids. H. A. Metz. 157,715; renewed Aug. 15, 1942.
Fruit, Fresh citrus. San Fernando Citrus Association. 394,232; Mar. 24; Serial No. 448,767; published Jan. 13, 1942.
Fruits and fruit juices for food purposes, Canned. MacLeod Laboratories. 394,143; Mar. 24; Serial No. 437,207; published Sept. 23, 1941.
Fruits, Fresh citrus. Orange Belt Fruit Distributors. 394,224; Mar. 24; Serial No. 448,577; published Jan. 13, 1942.
Grapes, Fresh. Runciman & Runciman. 394,225; Mar. 24; Serial No. 448,622; published Jan. 13, 1942.
Lard substitute. O. Wynne. 152,011; renewed Feb. 14, 1942.
Lard substitute. O. Wynne. 154,746; renewed Apr. 18, 1942.
Meats and lard, Smoked. Memphis Packing Corporation. 157,713; renewed Aug. 15, 1942.
Milk, Evaporated. American Milk Products Corporation. 157,634; renewed Aug. 15, 1942.
Milk, Powdered. Nestle's Milk Products, Inc. 394,221; Mar. 24; Serial No. 447,547; published Jan. 13, 1942.
Potato chips. Red Dot Foods, Inc. 394,163; Mar. 24; Serial No. 445,530; published Jan. 13, 1942.
Preparations for coagulating or curdling milk. Chr. Hansen's Laboratory, Inc. 152,719; renewed Mar. 7, 1942.
Salad dressing. White's Inc. 394,230; Mar. 24; Serial No. 448,746; published Jan. 13, 1942.
Sandwiches, waffle sandwiches, and pies. MacLeod Laboratories. 394,144; Mar. 24; Serial No. 437,209; published Sept. 23, 1941.
Shrimp, Packaged dried. Pacific Trading Company. 394,180; Mar. 24; Serial No. 447,248; published Jan. 13, 1942.
Sugar. National Sugar Refining Company. 394,227; Mar. 24; Serial No. 448,646; published Jan. 13, 1942.
Vegetables and fresh citrus fruits, Fresh. Crawford Produce Company. 394,203; Mar. 24; Serial No. 448,040; published Jan. 13, 1942.

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Container closures of the crown type. Crown Cork & Seal Company. 394,201; Mar. 24; Serial No. 447,999; published Jan. 13, 1942.
Fabric in the piece, Rubberized cotton. Nu-Stay Process Corp. 394,156; Mar. 24; Serial No. 443,576; published Jan. 13, 1942.
Paper articles. Sanco Manufacturing Company. 394,145; Mar. 24; Serial No. 439,666; published Jan. 13, 1942.
Pennants, banners, plaques, etc. Future Farmers of America, Inc. 394,160; Mar. 24; Serial No. 445,051; published Jan. 13, 1942.
Trees, Christmas tree decorations and ornaments, Artificial. E. Gordon. 394,178; Mar. 24; Serial No. 447,102; published Jan. 13, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. Re. 22,051; Mar. 24.
Crespi, Giovanni B., Ceriana, Italy. Forming basic linings of furnaces. Re. 22,050; Mar. 24.
Eisele, Josef. (See Geisler, O., and Eisele.)
Garrison, Ranald M. (See Sharp, D. C., and Garrison.)
Geisler, Ottmar, and J. Eisele, assignors, by mesne assignments, to Suddeutsche Apparatefabrik Gesellschaft m. b. H., Nuremberg, Germany. Light-sensitive device. Re. 22,052; Mar. 24.
Hazeltine Corporation. (See Toulon, Pierre M. G., assignor.)
Mission Manufacturing Company. (See Sharp, D. C., and Garrison, assignors.)
Ruben, Samuel, New Rochelle, N. Y. Magnesium primary cell. Re. 22,053; Mar. 24.
Sharp, Dudley C., and R. M. Garrison, assignors to Mission Manufacturing Company, Houston, Tex. Slush pump piston. Re. 22,054; Mar. 24.
Suddeutsche Apparatefabrik Gesellschaft m. b. H. (See Geisler, O., and Eisele, assignors.)
Toulon, Pierre M. G., Puteaux, France, assignor to Hazeltine Corporation, Jersey City, N. J. Synchronization system for television. Re. 22,055; Mar. 24.

LIST OF DESIGN PATENTEES

Adler, Joanne, New York, N. Y. Brooch or similar article. 131,731; Mar. 24.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Bracelet. 131,681; Mar. 24.
Bates, Shellie H., assignor of one-fourth to J. A. Elam, Plantersville, Ala. Spool stand. 131,712; Mar. 24.
Beebe, Stanley J., Norfolk, Va. Display stand or similar article. 131,672; Mar. 24.
Bolten, John, Andover, Mass., and H. Spitz, Great Neck, N. Y. Garment hanger. 131,682; Mar. 24.
Boutemy, Annette, New York, N. Y. Textile fabric. 131,673; Mar. 24.
Boutemy, Annette, New York, N. Y. Textile fabric. 131,674; Mar. 24.
Boutemy, Annette, New York, N. Y. Textile fabric. 131,675; Mar. 24.
Boutemy, Annette, New York, N. Y. Textile fabric. 131,676; Mar. 24.
Boutemy, Annette, New York, N. Y. Textile fabric. 131,677; Mar. 24.
Bowes, Charles E., assignor to Bowes Seal Fast Corporation, Indianapolis, Ind. Vulcanizer. 131,725; Mar. 24.
Bowes Seal Fast Corporation. (See Bowes, Charles E., assignor.)
Buchholz, Israel, New York, N. Y. Dress. 131,713; Mar. 24.
Buchholz, Israel, New York, N. Y. Dress. 131,714; Mar. 24.
Cohn-Hall-Marx Co. (See Lehnig, Lois, assignor.)
Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)
Davis, Adolph H., Cincinnati, Ohio. Inside micrometer. 131,678; Mar. 24.
De Pasquale, Sabina, New York, N. Y. Dress ensemble. 131,696; Mar. 24.
De Sakhnoffsky, Alexis, New York, N. Y. Knife or other article of flatware. 131,683; Mar. 24.
Eisenberg Jewelry, Inc. (See Nathan, Florence.)
Elam, J. A. (See Bates, Shellie H.)
Elmo, Sadie, New York, N. Y. Dress ensemble. 131,697; Mar. 24.
Elmo, Sadie, New York, N. Y. Dress ensemble. 131,715; Mar. 24.
Elmo, Sadie, New York, N. Y. Dress. 131,726; Mar. 24.
Erusha, Milver C. (See Gaddis, Roy, assignor.)
Fairbanks, Morse & Co. (See Schreck, Henry.)
Feinberg, Maxwell R., and H. Y. Rosenblum, New York, N. Y. Box for paper tissues or similar accessories. 131,684; Mar. 24.
Franklin, Sylvia, New York, N. Y. Dress. 131,698; Mar. 24.
Funk, James M., Ottawa, assignor to Reynolds Electric Company, Chicago, Ill. Air circulating propeller. 131,699; Mar. 24.
Furnas Electric Company, et al. (See Spotts, Daniel G.)
Furnas, William C., et al. (See Spotts, Daniel G.)
Gaddis, Roy, Cedar Rapids, assignor to M. C. Erusha, Walford, Iowa. Material distributing device. 131,700; Mar. 24.
Goldberg, Louis, assignor to South Gate Bowling Centre Corporation, Los Angeles, Calif. Clock face or similar article. 131,685; Mar. 24.
Greenbaum, Bernard, New York, N. Y. Baby's high chair. 131,679; Mar. 24.
Greenberg, Fred, New York, N. Y. Dress ensemble. 131,727; Mar. 24.
Hacker, Mathilda, New York, N. Y. Mitt. 131,716; Mar. 24.
Hacker, Mathilda, New York, N. Y. Mitt. 131,717; Mar. 24.
Heims, Lillian, New York, N. Y. Dress. 131,701; Mar. 24.
Hobé, William W., New York, N. Y. Bracelet or similar article. 131,749; Mar. 24.
Hobé, William W., New York, N. Y. Bracelet or similar article. 131,750; Mar. 24.
Horn, Edward L., New York, N. Y. Dress ensemble. 131,702; Mar. 24.
Hoyne, Eugene M., Chicago, Ill. Desk board. 131,751; Mar. 24.
Jacobson, Rose, New York, N. Y. Play suit. 131,718; Mar. 24.
Johnson, William B., U. S. Army. Military vehicle headlamp unit. 131,686; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,732; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,733; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,734; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,735; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,736; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,737; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,738; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Necklace. 131,739; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,740; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Necklace. 131,741; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,742; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,743; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Necklace. 131,744; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,745; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,752; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,753; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,754; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,755; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,756; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,757; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,758; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,759; Mar. 24.

Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,760; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,761; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,762; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,763; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,764; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,765; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,766; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin clip. 131,767; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,768; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,769; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,770; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,771; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,772; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,773; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,774; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,775; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,776; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,777; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,778; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Necklace. 131,779; Mar. 24.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet. 131,780; Mar. 24.
Kesh, Mary N., Detroit, Mich. Flexible ear cushion for attachment to telephone receivers. 131,719; Mar. 24.
Lachand, Ellen H., New York, N. Y. Work suit. 131,781; Mar. 24.
Lehnig, Lois, Ridgewood, N. J., assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 131,680; Mar. 24.
Levin, David E., New York, N. Y. Shoe or similar article. 131,687; Mar. 24.
Liotti, Joseph, New York, N. Y. Dress. 131,728; Mar. 24.
Motor Wheel Corporation. (See Schneider, Walter C.)
Nathan, Florence, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill. Pin or similar article. 131,688; Mar. 24.
Peck, William F., Snyder, assignor to Spencer Lens Company, Buffalo, N. Y. Projection apparatus. 131,729; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,746; Mar. 24.
Philippe, Alfred, New York, N. Y. Earring. 131,747; Mar. 24.
Philippe, Alfred, New York, N. Y. Earring. 131,748; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,782; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,783; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,784; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,785; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,786; Mar. 24.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,787; Mar. 24.
Philippe, Alfred, New York, N. Y. Earring. 131,788; Mar. 24.
Reynolds Electric Company. (See Funk, James M., assignor.)
Rosenblum, Howard V. (See Feinberg, M. R., and Rosenblum.)
Sadowsky, David R., New York, N. Y. Dress. 131,703; Mar. 24.
Sadowsky, David R., New York, N. Y. Dress. 131,704; Mar. 24.
Schneider, Walter C., assignor to Motor Wheel Corporation, Lansing, Mich. Casing for a furnace or the like. 131,689; Mar. 24.
Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Single cylinder engine. 131,705; Mar. 24.
Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Twin cylinder V-type engine. 131,706; Mar. 24.
Schultz, Henry, New York, N. Y. Dress. 131,730; Mar. 24.
Siqveland, Ivar E., St. Paul, Minn. Fountain toothbrush. 131,690; Mar. 24.
South Gate Bowling Centre Corporation. (See Goldberg, Louis, assignor.)
Spencer Lens Company. (See Peck, William F., assignor.)
Spitz, Henry. (See Bolten, J., and Spitz.)
Spotts, Daniel G., assignor to W. C. Furnas, doing business as Furnas Electric Company, Batavia, Ill. Electric switch. 131,691; Mar. 24.
Stix, Frances T., New York, N. Y. Dress. 131,707; Mar. 24.
Strahm, Allen D., Tulsa, Okla. Bottle. 131,692; Mar. 24.
Stromblad, Perry F., Clairton, Pa. Combined water closet bowl and foot rest. 131,693; Mar. 24.
Sutherland, Clarence R., Dayton, Ohio. Coin bank. 131,694; Mar. 24.
Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)
Walker, Joset, New York, N. Y. Dress. 131,708; Mar. 24.
Walker, Joset, New York, N. Y. Dress. 131,709; Mar. 24.
Wiener, Joseph D., Cedarhurst, N. Y. Lace fabric. 131,695; Mar. 24.
Williams, Oliver H., Chicago, Ill. Louver lamp shade. 131,710; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress. 131,711; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress. 131,720; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress ensemble. 131,721; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress ensemble. 131,722; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress. 131,723; Mar. 24.
Zahn, Samuel, New York, N. Y. Dress ensemble. 131,724; Mar. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF MARCH, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding. 2,277,574; Mar. 24.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Acrolein Corporation. (See Herstein, Karl M., assignor.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake apparatus. 2,277,052; Mar. 24.
Air Reduction Company. (See Anderson, James L., assignor.)
Ajax Metal Company, The. (See Tama, Manuel, assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Alexander, Henry L., Wilmington, H. I. Du Pont, Rockland, Del., and W. B. Foulke, Media, Pa., assignors to Delaware Chemical Engineering and Development Company, Wilmington, Del. Apparatus for recovery of liquids from solids. 2,277,053; Mar. 24.
Alfreds, Torris H., Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 2,277,537; Mar. 24.
Alleman, Gellert, Wallingford, and J. H. Perrine, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Color lakes and method of producing same. 2,277,194; Mar. 24.
Allen, Lawrence H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,277,623; Mar. 24.
Almond, John R., Cleveland, and G. W. Upp, Lakewood, assignors to The Midland Steel Products Company, Cleveland, Ohio. Bus door operator. 2,277,575; Mar. 24.
Alpaugh, Edward J., New York, N. Y. Window wiper. 2,277,195; Mar. 24.
American Blower Corporation. (See Morse, Clark T., assignor.)
American Colloid Co. (See Bechtner, Paul, assignor.)
American Creosoting Company, Inc. (See Kidder, Elwin H., assignor.)
American Floor Surfacing Machine Company, The. (See Kneisley, R. F., and St. John, assignors.)
American Forging and Socket Company, The. (See Saunders, Walter S., assignor.)
American Machine & Foundry Company. (See Naftali, Valentine, assignor.)
American Stove Company. (See Moecker, Henry Jr., assignor.)
American Viscose Corporation. (See Davison, Hobart O., assignor.)
American Zinc, Lead & Smelting Company. (See Depew, Harland A., assignor.)
Anater, Raymond J., Glassport, Pa., assignor to National Tube Company. Cannon clamp. 2,277,029; Mar. 24.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Rail cropping machine. 2,277,054; Mar. 24.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Scarfing torch. 2,277,472; Mar. 24.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Making welded tubes. 2,277,473; Mar. 24.
Anderson, Leroy D., Milwaukee, Wis. Combined clamp and drill jack. 2,277,576; Mar. 24.
Anderson, Orlin S., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Treatment of oil cake. 2,277,055; Mar. 24.
Anderson, V. L., Company, The. (See Anderson, Orlin S., assignor.)
Anderson, William B., West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacturing refrigerating systems. 2,277,030; Mar. 24.
Andrews, Norman F. (See Johnson, E. T., and Andrews.)
Arf, Herman R., Chicago, Ill., assignor to The Safety Car Heating and Lighting Company, Inc. Packing gland construction. 2,277,196; Mar. 24.
Arrow-Hart & Hegeman Electric Co., The. (See Johnson, David W., assignor.)
Ash, Charles S., Milford, Mich. Dirigible dual wheel vehicle. 2,277,197; Mar. 24.
Associated Electric Laboratories, Inc. (See Burfeind, Raymond H., assignor.)
Associated Electric Laboratories, Inc. (See Vaughan, Orley M., assignor.)
Associated Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,277,031; Mar. 24.
Atlantic States Motor Lines, Inc. (See Fulton, Joel B., assignor.)
Auer, Wilhelm, Heidenheim, Brenz, Germany. Shifting mechanism for change gearing. 2,277,198; Mar. 24.
B. C. B. Industries. (See Wolf, E. W., and Corbin, Jr., assignors.)
Babcock, Guilford C., Morris Township, Morris County, and E. R. Stivers, Rockaway, N. J., assignors to Stapling Machines Co. Box. 2,277,056; Mar. 24.
Bach, Jesse M., Bronx, N. Y. Magnetic device. 2,277,057; Mar. 24.
Backhaus, Georg. (See Wagner, H., Gropler, and Backhaus.)
Ballard, William O., and C. J. Kraemer, Toledo, Ohio. Packaging. 2,277,058; Mar. 24.
Barab, Jacob, assignor to Hercules Powder Company, Wilmington, Del. Blasting cartridge. 2,277,059; Mar. 24.
Barker, Charles H., and K. Q. Robert, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Carrying device for geophysical instruments. 2,277,505; Mar. 24.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Flaw detection apparatus. 2,277,060; Mar. 24.
Bartling, Alfred H., Waurika, Okla. Dental tray. 2,277,624; Mar. 24.
Barton, Louis E., Windsor, Conn. Lead aluminate pigment and paint and making same. 2,277,061; Mar. 24.
Barton, Louis E., Windsor, Conn. Lead aluminate pigment and paint and making same. 2,277,062; Mar. 24.
Barton, Louis E., Windsor, Conn. Lead aluminate pigment and paint and making same. 2,277,063; Mar. 24.
Baxendale, Samuel, Dearborn, assignor to Modern Collet & Machine Company, Ecorse, Mich. Hardness testing machine. 2,277,199; Mar. 24.
Baynes, Leslie E., Iver Heath, assignor to Alan Muntz & Company Limited, Hounslow, Middlesex, England. Aircraft instrument. 2,277,625; Mar. 24.
Bechtner, Paul, assignor to American Colloid Co., Chicago, Ill. Method and means for impeding the seepage or flow of water. 2,277,286; Mar. 24.
Beckman, Arnold O., Altadena, W. A. Bush and H. Rubin, Los Angeles, Calif. Manufacture of coated materials and product. 2,277,287; Mar. 24.
Beckwith, George M., Meadville, Pa., assignor to Talon, Inc. Reversible automatic lock slider for slide fasteners. 2,277,506; Mar. 24.
Beede, Frederic N. (See Beede, H. G. and F. N.)
Beede, Herbert G. and F. N., Pawtucket, R. I. Spindle. 2,277,200; Mar. 24.
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Allen, Lawrence H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bishop, William S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bouton, G. M., and Schumacher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Cesareo, O., and Rippere, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ellwood, Walter B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Cecil R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hecht, George, assignor.)
Bell Telephone Laboratories, Incorporated. (See Koechling, Charles D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See McKim, James B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Weinhart, Howard W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilbur, Ray S., assignor.)
Belt, Verland W., East Cleveland, assignor to The Bryant Heater Company, Cleveland, Ohio. Combined manifold and draft diverter. 2,277,201; Mar. 24.

Benner, Raymond C., and J. C. McMullen, assignors to The Carborundum Company, Niagara Falls, N. Y. Hollow tile. 2,277,507; Mar. 24.

Bennett, Claude W., Lynwood, Calif. Toolholder. 2,277,290; Mar. 24.

Berch, Samuel H., Beverly Hills, Calif. Sealing containers. 2,277,288; Mar. 24.

Bergstein, Frank D., et al, as trustees. (See Bergstein, S., and Van Guelpen, assignors.)

Bergstein, Robert M., and F. D., as trustees. (See Bergstein S., and Van Guelpen, assignors.)

Bergstein, Samuel, Cincinnati, and L. J. Van Guelpen, Middletown, Ohio, assignors to Robert Morris Bergstein, and Frank David Bergstein, trustees. Rotatable packaging machine and method. 8,277,289; Mar. 24.

Bergtold, Fritz, Munich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency iron core. 2,277,474; Mar. 24.

Berman, Riva, New York, N. Y. Hair curler. 2,277,032; Mar. 24.

Bialosky, Jerome M., and M. Merlub-Sobel, Cleveland Heights, assignors, by mesne assignments, to W. L. Ulmer, Cleveland, Ohio. Flux. 2,277,064; Mar. 24.

Bieberich, Paul. (See Luginbill, Carl V., assignor.)

Biggs, John H. (See Foster, J. C., and Biggs.)

Bilger, Samuel B., Lancaster, Pa. Sewing machine. 2,277,475; Mar. 24.

Bingham, Arthur. (See Molins, D. W., and Bingham.)

Bingham, Herbert G., Waltham, assignor of one-half to C. Y. Chittick, Waban, Mass. Agitator. 2,277,508; Mar. 24.

Bishop, William S., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alkyl ester of 9-cyano-nonanoic acid. 2,277,033; Mar. 24.

Bisley, William F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron. 2,277,034; Mar. 24.

Black-Clawson Company, The. (See Crawford, Cliff R., assignor.)

Black, Murray J., Los Angeles, Calif. Heating system. 2,277,381; Mar. 24.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blair, Frank P., Chicago, Ill. Dish washing device. 2,277,291; Mar. 24.

Blanton, William I. (See Joyce, Marion R., assignor.)

Blechner, Adolph C. (See Klahn, Edwin, assignor.)

Blessing, Lewis G. (See Walliser, Robert E., assignor.)

Bloomer Bros. Company. (See Inman, William H., assignor.)

Blum, E. V. (See Carpenter, De Witt E., assignor.)

Bock, Richard, London, England. Prism-monocular. 2,277,065; Mar. 24.

Boeing Aircraft Company. (See Wells, Edward C., assignor.)

Bogner, Peter, assignor to Saml. Hanson & Son Limited, London, England. Tin or sheet metal container. 2,277,066; Mar. 24.

Bohmer, Clarence. (See Jaeger, G., Bohmer, and Gerst.)

Boldt, Werner F., Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe anchoring means. 2,277,577; Mar. 24.

Bommer, Alois C., Zurich, Switzerland. Light deflector. 2,277,626; Mar. 24.

Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Method and apparatus for direct-steam treatment of extracted solid materials. 2,277,361; Mar. 24.

Booth, George E., St. Louis, Mo., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. System of motor control. 2,277,578; Mar. 24.

Borg-Warner Corporation. (See Gamble, David E., assignor.)

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Borg-Warner Corporation. (See Nutt, Harold, and Reed, assignors.)

Borg-Warner Corporation. (See Ruesenberg, Carl A., assignor.)

Borg-Warner Corporation. (See Swenson, Carl E., assignor.)

Bossart, Paul N. (See Canetta, J., and Bossart.)

Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Strip feeding apparatus. 2,277,476; Mar. 24.

Botz, Otto C., Jefferson City, Mo. Apparatus for quick freezing food products. 2,277,382; Mar. 24.

Boult, Louise G., Olton, Birmingham, England. Method of constructing concrete flooring and like surfaces. 2,277,203; Mar. 24.

Bouton, George M., Lynbrook, N. Y., and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lead alloy for cable sheaths. 2,277,627; Mar. 24.

Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure device. 2,277,292; Mar. 24.

Bowers, Claude E., Los Angeles, Calif. Dustpan. 2,277,383; Mar. 24.

Bowers, Claude E., Los Angeles, Calif. Electric cable connector means. 2,277,384; Mar. 24.

Brackett, Fred M. (See Daneke, Dietrich, assignor.)

Bradbrook, Eric F., S. Coffey, and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Coloring matters of the phthalocyanine series. 2,277,628; Mar. 24.

Bradbrook, Eric F., Manchester, I. M. Heilbron, and D. H. Hey, London, and J. W. Haworth, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring matters of the phthalocyanine series. 2,277,629; Mar. 24.

Bradford, Bruce B., Danville, Iowa. Separable electrical attachment plug. 2,277,293; Mar 24.

Brassert, Herman A., assignor to Minerals and Metals Corporation, New York, N. Y. Manufacture of metal products. 2,277,067; Mar. 24.

Breeze, Hurchel N., Electra, Tex. Swimming device. 2,277,538; Mar. 24.

Bressler, Robert E., assignor to Kol-Master Corporation, Oregon, Ill. Apparatus for burning fuel. 2,277,630; Mar. 24.

Bridgeport Brass Company. (See Brown, Gregory, assignor.)

Brodersen, Karl, and M. Quaedvlieg, Dessau in Anhalt, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Process and auxiliary for improving textile fabrics. 2,277,202; Mar. 24.

Brooks, Stephen H., New York, N. Y. Self-contained flame arrester bank or unit. 2,277,294; Mar. 24.

Brotz, Frank G, Kohler, Wis. Production of valve handles. 2,277,385; Mar. 24.

Brown, Gerald G., Wichita, assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Masthead. 2,277,386; Mar. 24.

Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Vacuum breaker. 2,277,295; Mar. 24

Brown Instrument Company, The. (See Moore, Coleman B., assignor.)

Brownscombe, Philip J. (See Kende, G., and Brownscombe.)

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Resin-forming thloammeline ether ketone and preparing same. 2,277,267; Mar. 24.

Bryant Heater Company, The. (See Belt, Verland W., assignor.)

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Bulloch, Evelyn F., Pasadena, Calif. Garment. 2,277,068; Mar. 24.

Bullock, William E., Near Compton, Wolverhampton, assignor to Guy Motors Limited, Wolverhampton, England. Assembly jig for plate welding and other operations. 2,277,631; Mar. 24.

Burfeind, Raymond H., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Hand telephone mounting. 2,277,296; Mar. 24.

Burger, Walter H., Darby, and M. T. Wintsch, Lancaster, Pa. Electronic counting device. 2,277,579; Mar. 24.

Burnell, Albert G. (See Drumm, J. J., and Burnell.)

Burwell, Maurel G., Columbus, Ohio. Vacuum cleaner. 2,277,069; Mar. 24.

Bush, William A. (See Beckman, A. O., Bush and Rubin.)

Butler, Charles E. M., London, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Adjustable motion transmission mechanism for altimeters or the like. 2,277,632; Mar. 24.

Byler, Jack A., Springhill, La. Conduit bender. 2,277,204; Mar. 24.

C-W-B Development Co. (See Chenoweth, R. M., Irwin, and Huntley, assignors.)

Cantzler, Adolf. (See Mueller-Cunradi, M., Cantzler, and Krekeler.)

Cabanban, Severino J., New York, N. Y. Toy. 2,277,539; Mar. 24.

Cadwell, George L., Valparaiso, Ind. Reaper attachment. 2,277,297; Mar. 24.

Canetta, John, Wilkinsburg, and P. N. Bossart, Chesswick, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,277,035; Mar. 24.

Carbis, Norbert J., Cleveland Heights, Ohio. Electrode holder. 2,277,298; Mar. 24.

Carboloy Company, Inc. (See Engle, Edgar W., assignor.)

Carborundum Company, The. (See Benner, R. C., and McMullen, assignors.)

Carborundum Company, The. (See Martin, H. C., and Foss, assignors.)

Cardwell, James R. (See Tucker, Herbert E., assignor.)

Cardwell Manufacturing Company, Inc. (See Brown, Gerald G., assignor.)

Carlton, Edward W., Chicago, Ill. Drafting instrument. 2,277,299; Mar. 24.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating liquids and gases. 2,277,070; Mar. 24.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method for separating vapors and liquids. 2,277,387; Mar. 24.

Carothers, William F., New Iberia, La. Combination wash-over and cutting tool. 2,277,580; Mar. 24.

Carpenter, De Witt E., Detroit, Mich., assignor to E. V. Blum. System for handling and processing steel. 2,277,205; Mar. 24.

Carrier Corporation. (See Jones, Walter, assignor.)

Carter, Arthur D., assignor to Carter Traveller Company, Gastonia, N. C. Ring traveler. 2,277,300; Mar. 24.

Carter Traveller Company. (See Carter, Arthur D., assignor.)

Casco Products Corporation. (See Lehmann, Herbert G., assignor.)

Casco Products Corporation. (See Youhouse, Joseph, assignor.)

Case, A. T., Company. (See Lindsey, Ernest E., assignor.)

Cash, A. W., Company. (See Temple, Paul C., assignor.)

Cassell, James T., Oroville, Calif. Slope level. 2,277,071; Mar. 24.

Castor, Barney. (See Christensen, A. C., and Castor.)

Ceader, Joseph D., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp and mounting. 2,277,633; Mar. 24.

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Celanese Corporation of America. (See Finlayson, D., and Perry, assignors.)

Celanese Corporation of America. (See Sowter, Percy F. C., assignor.)

Celanese Corporation of America. (See Sowter, P. F. C., and Perry, assignors.)

Cesareo, Orfeo, Washington Township, Bergen County, N. J., and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key sender. 2,277,206; Mar. 24.

Channer, Frederick W., Glencoe, Ill. Naval battle game. 2,277,301; Mar. 24.

Chaussee, Francis P., Missoula, Mont. Antiskid device. 2,277,036; Mar. 24.

Chenette, Joseph C., Flat Rock, Mich. Portable hand truck. 2,277,302; Mar. 24.

Chenoweth, Ray M., Los Angeles, E. M. Irwin, and W. P. Huntley, Pasadena, assignors to C-W-B Development Co., Los Angeles, Calif. Dictating machine. 2,277,207; Mar. 24.

Chenoweth, Ray M., Los Angeles, E. M. Irwin, and W. P. Huntley, Pasadena, assignors to C-W-B Development Co., Los Angeles, Calif. Dictating machine. 2,277,208; Mar. 24.

Chicago Flexible Shaft Company. (See Bisley, William F., assignor.)

Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)

Chittick, C. Yardley. (See Binghan, Herbert B., assignor.)

Christensen, Alfred C., and B. Castor, assignors to Herbert S. Simpson, Chicago, Ill. Muller-agitator. 2,277,209; Mar. 24.

Christy, George C., Chicago, Ill. Brake beam safety support. 2,277,303; Mar. 24.

Cihak, Anton, Culver, Ind. Cleaner for potato digging blades. 2,277,304; Mar. 24.

Cincinnati Electrical Tool Company. (See Groene, Willard L., assignor.)

Cincinnati Milling Machine Co., The. (See Pope, H. L., and Squibb, assignors.)

Cities Service Oil Company. (See Wydler, Johann J., assignor.)

Clark, Gilbert R. (See Smith, J. E., Whitaker and Clark.)

Clark, Howard L., Ballston Lake, and W. Mikelson, Schenectady, N. Y., assignors to General Electric Company. Fruit ripeness tester. 2,277,037; Mar. 24.

Clark, Lester O. R., West Hartford, Conn., assignor to B. F. Sturtevant Company, Boston, Mass. Hat forming system. 2,277,042; Mar. 24.

Clark, Lloyd I., San Jose, Calif. Quick detachable flush valve seat. 2,277,388; Mar. 24.

Clark, Nan J., Detroit, Mich. Brush holder. 2,277,540; Mar. 24.

Cleveland Tractor Company. (See Heaslet, James G., assignor.)

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,277,509; Mar. 24.

Clopton, Alexander B., Enid, Okla. Recording and reproducing device. 2,277,305; Mar. 24.

Cochrane Corporation. (See Rohlin, Victor A., assignor.)

Coffee X Corporation. (See Polin, H. S., Nerken, and Wettingfeld, Jr., assignors.)

Coffey, Eugene E., Norman, Okla. Deep well pump. 2,277,306; Mar. 24.

Coffey, Samuel. (See Bradbrook, E. F., Coffey, and Haddock.)

Cohn, David J., Chicago, Ill. Oxygen tent. 2,277,072; Mar. 24.

Cohn, Lee, assignor of forty-nine per cent to L. J. Miller, San Francisco, Calif. Infant's diaper substitute. 2,277,043; Mar. 24.

Colbert, Clarence L., Elizabeth, N. J., assignor to Fiske Brick & Granule Company, Boston, Mass. Method and apparatus for treating granular materials. 2,277,073; Mar. 24.

Cole, Edward R., assignor to The Dow Chemical Company, Midland, Mich. Treating shaped carbon articles. 2,277,362; Mar. 24.

Comar Electric Co. (See Livingston, Callard, assignor.)

Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)

Continental Can Company. (See Fink, Henry A., assignor.)

Continental Can Company. (See Jackson, George F., assignor.)

Continental Diamond Fibre Company. (See Howard, Leonard L., assignor.)

Conway, Roy A., Inglewood, assignor to Steelform Contracting Company, San Francisco, Calif. Cement troweling apparatus. 2,277,389; Mar. 24.

Cook, Robert V., assignor to Fairbanks, Morse & Co., Chicago, Ill. Peripheral pump. 2,277,210; Mar. 24.

Cooney, Raphael P. (See Murray, Paxton F., assignor.)

Cooper, Hugh S., New York, N. Y. Method of producing low carbon chromium-containing iron alloys. 2,277,211; Mar. 24.

Copeland, Alice B., Turlock, Calif. Guide for shears. 2,277,074; Mar. 24.

Corbin, Elbert A., Jr. (See Wolf, E. W., and Corbin, Jr.)

Courter, Leo A., Seminole, Okla., assignor to The Dow Chemical Company, Midland, Mich. Cementing head. 2,277,510; Mar. 24.

Crane Co. (See Falls, Robert E., assignor.)

Crawford, Cliff R., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper manufacture. 2,277,477; Mar. 24.

Crawford, Frederick C., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Piston ring. 2,277,307; Mar. 24.

Crespo, José E., New York, N. Y. Nasal inhaler. 2,277,390; Mar. 24.

Crim, Elmo P. (See Flowers, Paul E., and Crim.)

Crooks, Ralph K., Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,277,478; Mar. 24.

Crooks, Ralph K., Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,277,541; Mar. 24.

Crouse-Hinds Company. (See Parish, Willard E., assignor.)

Crumble, James H., Brooklyn, N. Y. Bicycle driving mechanism. 2,277,391; Mar. 24.

Cunningham, Firmin M., Maplewood, assignor to James R. Kearney Corporation, St. Louis, Mo. Joint for electrical conductors. 2,277,212; Mar. 24.

Curlee, Aron C., Littleton, Colo. Valve keeper inserting tool. 2,277,542; Mar. 24.

Curtis, David, New York, N. Y. Anaesthetic preparation. 2,277,038; Mar. 24.

Curtis Manufacturing Company. (See Gygax, Ernest, assignor.)

Cutler-Hammer, Inc. (See Booth, George E., assignor.)

Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)

Cutler-Hammer, Inc. (See Meuer, George J., assignor.)

Dahl, Edward T., Abington, assignor to Mason-Neilan Regulator Company, Boston, Mass. Apparatus for the control of hydrocarbons. 2,277,075; Mar. 24.

Dahlberg, Arnold E., New Bedford, Mass. Ladder lock. 2,277,392; Mar. 24.

Dalager, George R., Glenwood, Minn. Square root scale. 2,277,634; Mar. 24.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Acetoacetic ester-formaldehyde resins. 2,277,479; Mar. 24.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Urea-formaldehyde-chlorinated acetaldehyde condensation products. 2,277,480; Mar. 24.

Dallas, William S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel-seat fitting machine. 2,277,076; Mar. 24.

Dalzen, William F., Grosse Pointe, Mich. Thread grinding machine. 2,277,213; Mar. 24.

Daneke, Dietrich, assignor to F. M. Brackett, Topeka, Kans. Jogging machine. 2,277,511; Mar. 24.

Dangelmajer, Charles. (See Schnabel, E., and Dangelmajer.)

Dasenbrook, Charles H., assignor to Thayer Action Company, Rockford, Ill. Piano action. 2,277,077; Mar. 24.

Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation. Staple fiber cutter. 2,277,079; Mar. 24.

Davis, Olin W., and W. E. McClure, Dayton, Ky. Athletic shoe. 2,277,078; Mar. 24.

Davis, William L., Alexandria, Va. Hedge trimmer. 2,277,080; Mar. 24.

Deere & Company. (See Johnston, E. T., and Andrews, assignors.)

Deere & Company. (See White, Charles H., assignor.)

Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing mounting. 2,277,635; Mar. 24.

De Laval Separation Company, The. (See Hulbert, John L., assignor.)

Delaware Chemical Engineering and Development Company. (See Alexander, H. L., Du Pont, and Foulke, assignors.)

DeLillo, Edward, Brockton, Mass. Tongs. 2,277,081; Mar. 24.

de Margitta, Michael J. N., Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Flash lamp. 2,277,481; Mar. 24.

de Margitta, Michael J. N., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,277,482; Mar. 24.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat treating apparatus. 2,277,082; Mar. 24.
Dentist's X-Ray Film Company. (See Herman, Samuel A., assignor.)
Depew, Harlan A., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Nonreactive pigment. 2,277,393; Mar. 24.
De Simo, Martin, Piedmont, and F. M. McMillan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyst. 2,277,512; Mar. 24.
De Vriendt, Alphonse. (See Schultz, R. A., Schultz, and De Vriendt.)
Dillard, Carvel, Ozone Park, N. Y. Relay device. 2,277,308; Mar. 24.
Dillman, Earnest J. (See Lithgow, J., Jackson and Dillman.)
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Dodge, Adiel Y., Rockford, Ill. Transmission. 2,277,214; Mar. 24.
Doll, Frank A., assignor to General Motors Corporation, Detroit, Mich. Shuffle conveyer. 2,277,309; Mar. 24.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Noise limiting circuit. 2,277,040; Mar. 24.
Doran Brothers, Incorporated. (See Schultze, Paul, assignor.)
Dorn, Alfred. (See Rohrbach, A. K., and Dorn.)
Dorough, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition. 2,277,083; Mar. 24.
Dow Chemical Company, The. (See Cole, Edward R., assignor.)
Dow Chemical Company. (See Courter, Leo A., assignor.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Downs, Thomas, Trenton, N. J. Molding. 2,277,543; Mar. 24.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of artificial materials. 2,277,086; Mar. 24.
Driesner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Burnishing tool for gear blanks. 2,277,084; Mar. 24.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Solenoid operated feed stop mechanism. 2,277,085; Mar. 24.
Drumm Battery Company Limited. (See Drumm, J. J., and Burnell, assignors.)
Drumm, James J., and A. G. Burnell, Inchicore, Dublin, Irish Free State, assignors to Drumm Battery Company Limited, Inchicore, Dublin. Secondary or storage battery. 2,277,636; Mar. 24.
Drummond, Robert S., Detroit, Mich. Apparatus for crowning internal gears. 2,277,041; Mar. 24.
Duinker, Daniel M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement for controlling two or more electric vapor or gas discharge tubes. 2,277,581; Mar. 24.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Dorough, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gewehr, Rudolph, assignor.)
Du Pont, E. I., de Nemours & Company. (See Goerner, Gustave W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schlack, Paul, assignor.)
Du Pont, E. I., de Nemours & Company. (See Martin, Elmore L., assignor.)
Du Pont, Hubert I. (See Alexander, H. L., Du Pont and Foulke.)
Eastern Malleable Iron Company, The. (See Reynolds, Charles F., assignor.)
Eaton Manufacturing Company. (See Shaw, Clarence W., assignor.)
Eby, Hugh H., Jenkintown, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Grommet. 2,277,637; Mar. 24.
Eby, Hugh H., Inc. (See Eby, Hugh H., assignor.)
Eddy, Harold C., Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Electric apparatus for treating emulsions. 2,277,513; Mar. 24.
Edzard, G., administrator. (See Rohrbach, Adolf K.)
Ehrenhaft, Viktor, Prague, Bohemia. Advertising strap-hanger. 2,277,088; Mar. 24.
Einson Freeman Co. (See Horr, John V., assignor.)
Eisenhand, Edna T., executrix, et al. (See Traylor, John A., assignor.)
Ekonomiregister Inc. (See Nyberg, Ernst V., assignor.)
Electric & Musical Industries, Limited. (See McGee, J. D., and Lubszynski, assignors.)
Electric Storage Battery Company, The. (See Riggs, H. C., and Leingang, assignors.)
Electro Metallurgical Company. (See Gailey, Andrew J., assignor.)
Elevator Safety Corporation. (See Spiro, Walter, assignor.)
Ellis, Truman V. (See Hewitt, L. E., and Ellis.)
Ellsworth, Walter A., assignor to Seeger Refrigerator Company, St. Paul, Minn. Door construction. 2,277,483; Mar. 24.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay contact device. 2,277,215; Mar. 24.
Elser, William, Toledo, Ohio, assignor to Owens-Illinois Can Company. Mechanism for feeding strip stock. 2,277,514; Mar. 24.
Engelbrecht, Heinz-Joachim. (See Schirm, E., Hueter, and Engelbrecht.)
Engelhart, William J., Flint, Mich. Bottle beverage mixing machine. 2,277,310; Mar. 24.
Englander, Sidney H., University Heights, Ohio. Safety-pin. 2,277,582; Mar. 24.
Engle, Edgar W., Grosse Pointe Park, assignor to Carboloy Company, Inc., Detroit, Mich. Diamond abrasive tool. 2,277,428; Mar. 24.
Epstein, Louis, New York, N. Y. Electrical outlet. 2,277,216; Mar. 24.
Erhart, Mary A., Auburn, N. Y. Washing machine agitator. 2,277,087; Mar. 24.
Erie Foundry Company. (See Zahniser, Logan F., assignor.)
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Voltage regulator. 2,277,652; Mar. 24.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic relay. 2,277,653; Mar. 24.
Everhart, Glenn H. (See Everhart, L. G., G. H., and W. D.)
Everhart, Lawrence G., G. H., and W. D., Winston-Salem, N. C. Wire tying device for hay balers. 2,277,394; Mar. 24.
Everhart, Walter C. (See Everhart, L. G., G. H., and W. C.)
Ewald, Warren, assignor to Yung Radiator Company, Racine, Wis. Car heater and defroster. 2,277,089; Mar. 24.
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Faber, Herbert A., Cincinnati, Ohio. Building construction. 2,277,217; Mar. 24.
Fairbanks, Morse & Co. (See Cook, Robert V., assignor.)
Falk Corporation, The. (See Schmitter, W. P., and Wiken, assignors.)
Falls, Robert E., assignor to Crane Co., Chicago, Ill. Large capacity safety valve. 2,277,655; Mar. 24.
Falls, Robert E., assignor to Crane Co., Chicago, Ill. Large capacity safety valve. 2,277,656; Mar. 24.
Faultless Manufacturing Company, The. (See Hardie, Harry, assignor.)
Federal Electric Company. (See Hjermstad, H. U., and Kopp, assignors.)
Fehr, Henry, Sutton, Nebr. Foot trip. 2,277,312; Mar. 24.
Feiler, Malwin, New York, N. Y. Face protector. 2,277,090; Mar. 24.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Baby carriage. 2,277,583; Mar. 24.
Ferguson, James P. (See Nichols, W. H., and Ferguson.)
Feyens, Alfred H., Brussels, Belgium. Apparatus for purification of liquids by electro-osmosis. 2,277,091; Mar. 24.
Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for spraying crown caps and the like. 2,277,092; Mar. 24.
Fiene, Marcus E., Caldwell, N. J., assignor to General Electric Company. Refrigerating system. 2,277,429; Mar. 24.
Findlay, John H., and J. Lempert, Montclair, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multiorifice anode. 2,277,430; Mar. 24.
Finlayson, Donald, and R. G. Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of artificial textile materials. 2,277,093; Mar. 24.
Fischer, Erich, and W. Gmelin., Bad Soden in Taunus, and W. Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Process of producing fast dyeings and the dyed fiber obtained thereby. 2,277,544; Mar. 24.
Fischer, Erich. (See Kirst, W., and Fischer.)
Fisher, Roy R., Detroit, Mich. Cabinet radiator and heating unit. 2,277,094; Mar. 24.
Fiske Brick & Granule Company. (See Colbert, Clarence L., assignor.)
Fitch, Raymond L., Buffalo, N. Y. Magnetic inspection apparatus. 2,277,431; Mar. 24.
Flanders, Warren B., Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade construction. 2,277,484; Mar. 24.
Fleischmann, Theodore, New York, assignor to Raylite Electric Corporation, Long Island City, N. Y. Electric rotary hand tool. 2,277,095; Mar. 24.

Flowers, Paul E., Mount Gilead, and E. P. Crim, Dayton, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Semiautomatic wire stitcher. 2,277,218; Mar. 24.
Ford, Henry, Hospital. (See Hartman Frank W., assignor.)
Foss, Carl W. (See Martin, H. C., and Foss.)
Foster, John C., and J. H. Biggs, Odessa, Tex. Fluid brake. 2,277,006; Mar. 24.
Foulke, Willing B. (See Alexander, H. L., Du Pont, and Foulke.)
Fowler, Fred D., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Change-roll calender. 2,277,313; Mar. 24.
Foxboro Company, The. (See Michael, Oscar S., assignor.)
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Diaphragm valve. 2,277,395; Mar. 24.
Frazier, Charles H., Cincinnati, Ohio, deceased, M. B. Frazier, administratrix. Treating nuts. 2,277,485; Mar. 24.
Frazier, Mildred B., as administratrix. (See Frazier, Charles H.)
Freeland Spool and Bobbin Corp. (See Miller, William H., assignor.)
Freeman, Andrew F. (See McKinney, Robert S., Rose, and Freeman.)
Freeman, Charles M., Manatee, assignor of one-half to D. B. Whittle, Palmetto, Fla. Sun water heater. 2,277,311; Mar. 24.
Freeman, Louis G., Company, The. (See Herbers, Joseph G., assignor.)
Freeman, Walter R., Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,277,584; Mar. 24.
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Clasp. 2,277,044; Mar. 24.
Friend Motor Company. (See Schultz, R. A., Schultz, and De Vriendt, assignors.)
Fulton, Joel B., assignor to Atlantic States Motor Lines, Inc., High Point, N. C. Loading device. 2,277,219; Mar. 24.
Gabriel, Joseph A., Cleveland, Ohio. Automatic self-loading conveyer. 2,277,396; Mar. 24.
Gailey, Andrew J., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Ore treatment. 2277,220; Mar. 24.
Gallagher, James W., Chula Vista, assignor of one-half to Arthur W. Schiefer, San Diego, Calif. Fluid mixing apparatus. 2,277,314; Mar. 24.
Galstaun, Lionel S., assignor to Tide Water Associated Oil Company, San Francisco, Calif. Recovery of carboxylic acids. 2,277,315; Mar. 24.
Gamble, David E., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,277,221; Mar. 24.
Gandy, A. H. (See Murray, Pexton F., assignor.)
Garden City Plating & Mfg. Co., Inc. (See Krauss, Carl, assignor.)
Garrison, Forrest C., Highland Park, assignor to The Oscar S. Rixson Company, Chicago, Ill. Door holder. 2,277,316; Mar. 24.
Gatley, Howard A., Kenosha, Wis. Body drag. 2,277,545; Mar. 24.
General Aniline & Film Corporation. (See Brodersen, K., and Quaedvlieg, assignors.)
General Aniline & Film Corporation. (See Fischer, E., Gmelin, and Kirst, assignors.)
General Aniline & Film Corporation. (See Heinrich, Ernst, assignor.)
General Aniline & Film Corporation. (See Kirst, W., and Fischer, assignors.)
General Aniline & Film Corporation. (See Manz, Gottfried, assignor.)
General Aniline & Film Corporation. (See Mueller-Cunradi, M., Cantzler, and Krekeler, assignors.)
General Aniline & Film Corporation. (See Nusslein, J., and Kirst, assignors.)
General Aniline & Film Corporation. (See Stein, E., Taube, and Petersen, assignors.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Ceader, Joseph D., assignor.)
General Electric Company. (See Clark, H. L., and Mikelson, assignors.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Guilhauman, Werner, assignor.)
General Electric Company. (See McAllister, Copeland, assignor.)
General Electric Company. (See McConnell, Andrew J., assignor.)
General Electric Company. (See Ramo, Simon, assignor.)
General Electric Company. (See Scott, K. D., and Wright, assignors.)
General Electric Company. (See Shanklin, George B., assignor.)
General Electric Company. (See Spofford, Warren A., assignor.)
General Electric Company. (See Suits, C. G., and Michaelson, assignors.)
General Electric Company. (See Taylor, Laurens A., assignor.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric Company. (See Welch, Ralph C., assignor.)
General Electric Company. (See Wiest, Horace G., assignor.)
General Electric Company. (See Woodson, Thomas T., assignor.)
General Electric X-Ray Corporation. (See Kizaur, Arthur J., assignor.)
General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)
General Motors Corporation. (See Doll, Frank A., assignor.)
General Motors Corporation. (See Glacy, Edward W., assignor.)
General Steel Castings Corporation. (See Pflager, Harry M., assignor.)
General Steel Castings Corporation. (See Travilla, J. C., Jr., and Jabelmann, assignors.)
General Tire & Rubber Company. (See McCoy, William C., assignor.)
General Tire & Rubber Company, The. (See Orr, Glenn H., assignor.)
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency system. 2,277,638; Mar. 24.
Gerlach, Henry, Sr., Evansville, Ind. Straw agitator. 2,277,546; Mar. 24.
Gerst, Chris. (See Jaeger, G., and Gerst.)
Gerst, Chris. (See Jaeger, G., Bohmer, and Gerst.)
Gewehr, Rudolph, Freiburg-in-Brisgau, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cellulosic structures. 2,277,486; Mar. 24.
Gibson Patent Containers, Ltd. (See Miller, Albert F.)
Gieseler, Kurt. (See Krüger, H., and Gieseler.)
Gilbert, John C., Buchanan, Va. Tobacco harvesting device. 2,277,317; Mar. 24.
Gispen's Fabriek voor Metaalbewerking N. V. (See van Osselen, Willem, assignor.)
Glacy, Edward W., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Coaster brake. 2,277,585; Mar. 24.
Gmelin, Walter. (See Fischer, E., Gmelin, and Kirst.)
Goerner, Gustave W., Bourne, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal treatment process and apparatus. 2,277,268; Mar. 24.
Goldner, George W., assignor to James R. Kearney Corporation, St. Louis, Mo. Gap link. 2,277,222; Mar. 24.
Goodrich, B. F., Company, The. (See Fowler, Fred D., assignor.)
Goodridge, Edward S., Port Washington, assignor to Induction Heating Corporation, New York, N. Y. Electric induction furnace. 2,277,223; Mar. 24.
Gornitz, Karl. (See Wolff, F., Görnitz, and Harnack.)
Goshen Cushion & Body Co. (See Lamb, David C., assignor.)
Graham, Adelbert M., Beverly Hills, assignor to Walter G. L. Smith, Los Angeles, Calif. Hose and hose connector construction. 2,277,397; Mar. 24.
Grant, Joseph E., Beverly Hills, Calif. Bookbinding. 2,277,318; Mar. 24.
Grauer, Theodor, Horn Thurgau, Switzerland. Spinning spool for winding up fresh spun artificial silk. 2,277,224; Mar. 24.
Graver, Philip S., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Catasauqua, Pa. Expansion roof for fluid storage tanks. 2,277,398; Mar. 24.
Graver Tank & Mfg. Co. (See Graver, Philip S., assignor.)
Graver Tank & Mfg. Co. (See Marner, Charles L., assignor.)
Gray, Cecil R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,277,586; Mar. 24.
Gray Tool Company. (See Yancey, John R., assignor.)
Green, Edward H., Chicago, Ill. Internal combustion engine. 2,277,225; Mar. 24.
Greenberger, Joseph I., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. (Strip processing apparatus. 2,277,319; Mar. 24.
Greene, Willard L., assignor to The Cincinnati Electrical Tool Company, Cincinnati, Ohio. Speed changing mechanism. 2,277,432; Mar. 24.
Groff, Irvine, Preston, Ontario, assignor of one-half to L. S. Groff, Baden, Province of Ontario, Canada Pipe coupling. 2,277,399; Mar. 24.
Groff, Louisa S. (See Groff, Irvine, assignor.)
Gropler, Hans. (See Wagner, H., Gropler, and Backhaus.)
Guardian Electric Mfg. Co. (See Obszarny, Theodore, assignor.)

Gullhauman, Werner, Berlin-Steglitz, Germany, assignor to General Electric Company. Noncondensing turbine regulating system. 2,277,487; Mar. 24.
Gustafson, Gunnar D., Chicago, Ill. Device for removing hands and small parts from watches and other mechanisms. 2,277,587; Mar. 24.
Guth, Edwin F., Florissant, Mo. Plastic diffuser. 2,277,433; Mar. 24.
Gutzmann, Fritz. (See Herzog, R., Wiessner, Schulze-Herringen, and Gutzmann.)
Guy Motors Limited. (See Bullock, William E., assignor.)
Gygax, Ernest, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Evaporative condenser. 2,277,320; Mar. 24.
Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of phthalocyanine dyestuffs. 2,277,588; Mar. 24.
Haddock, Norman H. (See Bradbrook, E. F., Coffey, and Haddock.)
Haines, Kenneth F., West Newton, assignor to Submarine Signal Company, Boston, Mass. Electrical circuit. 2,277,098; Mar. 24.
Hall-Scott Motor Car Company. (See Railton, Reid A., assignor.)
Haltenberger, Jules, Ann Arbor, Mich. Automobile wheel cover. 2,277,488; Mar. 24.
Hamilton, Robert W., Philadelphia, Pa. Filing tool. 2,277,639; Mar. 24.
Hamre, Nels. (See Pratt, Harry C., assignor.)
Hansen, Archie, Prophetstown, Ill. Engine. 2,277,226; Mar. 24.
Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
Hansen, Augie L., assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Carton. 2,277,097; Mar. 24.
Hanson, Bror E., assignor to The Heald Machine Company, Worcester, Mass. Internal grinding and honing machine. 2,277,589; Mar. 24.
Hanson, Milton E., Haddonfield, N. J., assignor to B. F. Sturtevant Company, Boston, Mass. Combined refrigerative cooling and pressure ventilation system. 2,277,045; Mar. 24.
Hanson, Saml. & Son Limited. (See Bogner, Peter, assignor.)
Hardie, Harry, assignor to The Faultless Manufacturing Company, Baltimore, Md. Garment band. 2,277,227; Mar. 24.
Harnack, Willy. (See Wolff, F., Görnitz, and Harnack.)
Harrell, Clennie B., Metropolis, Ill. Thermostatic draft control. 2,277,515; Mar. 24.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,277,640; Mar. 24.
Harris, Moses A., Milford, Conn. Electric mechanical packer. 2,277,321; Mar. 24.
Harris-Seybold-Potter Company. (See Flowers, P. E., and Crim, assignors.)
Harrison, William L., Lottsburg, Va. Radiator bending machine. 2,277,489; Mar. 24.
Harshman, Harold R., Tehachapi, Calif. Broken flange detector for rail cars. 2,277,099; Mar. 24.
Harter, Robert L., assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid motor for lubricant pumps. 2,277,641; Mar. 24.
Hartford National Bank and Trust Company. (See Duinker, Daniel M., assignor.)
Hartman, Frank W., assignor to H. Ford Hospital, Detroit, Mich. Gas conditioning apparatus. 2,277,547; Mar. 24.
Hartmann, Otto, Kassel-Wilhelmshohe, Germany. High pressure steam generator. 2,277,100; Mar. 24.
Haworth, John W. (See Bradbrook, E. F., Heilbron, Hey, and Haworth.)
Hayes, Arthur D., Montpelier, Vt. Clothespin package. 2,277,642; Mar. 24.
Hayes Industries, Inc. (See Hollerith, Charles, assignor.)
Haynes Stellite Company. (See Wagner, Robert L., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Heald Machine Company, The. (See Hanson, Bror E., assignor.)
Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Track support for crawler tractors. 2,277,322; Mar. 24.
Heberlein Patent Corporation. (See Waltmann, Ernst, assignor.)
Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,277,228; Mar. 24.
Heilbron, Isidor M. (See Bradbrook, E. F., Heilbron, Hey, and Haworth.)
Heimann, Walter, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Cathode ray scanning device. 2,277,101; Mar. 24.
Heinrich, Ernst, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs. 2,277,230; Mar. 24.
Helmold, J. F., & Bro. (See Wagner, Frank, assignor.)
Henning, George E., Joppa, and J. A Wagner, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Tension control apparatus. 2,277,102; Mar. 24.
Henroteau, François C. P., Liege, Belgium. Method and apparatus for frequency changing. 2,277,516; Mar. 24.
Herbener, Henry M., Thomasville, Ga. Bill folder. 2,277,103; Mar. 24.
Herbener, Henry M., Thomasville, Ga. Folder for bills, papers, or the like. 2,277,104; Mar. 24.
Herbers, Joseph G., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Ornamenting machine. 2,277,363; Mar. 24.
Hercules Powder Company. (See Barab, Jacob, assignor.)
Herman, Kenneth R. (See Vickers, H. F., and Herman.)
Herman, Samuel A., assignor to Dentista' X-Ray Film Company, New York, N. Y. X-ray dental film packet. 2,277,364; Mar. 24.
Herstein, Karl M., Brooklyn, N. Y., assignor to Acrolein Corporation. Oxidation of mercurous sulphate. 2,277,046; Mar. 24.
Herzog, Robert, A. Wiessner, E. Schulze-Herringen, Berlin, and F. Gutzmann, Schoneiche, near Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempiehof, Germany. Common wave transmitter system. 2,277,105; Mar. 24.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,277,106; Mar. 24.
Hewitt, Louis E., and T. V. Ellis, Belding, Mich. Wrench. 2,277,400; Mar. 24.
Hey, Donald H. (See Bradbrook, E. F., Heilbron, Hey, and Haworth.)
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Solvent recovery. 2,277,401; Mar. 24.
Hjermstad, Hans U., and C. J. Kopp, assignors to Federal Electric Company, Inc., Chicago, Ill. Drive mechanism and sign actuated thereby. 2,277,323; Mar. 24.
Hobson, Charles N., et al. (See Kneedler, George A., assignor.)
Hoeck, Henri, Gand, Belgium. Belt conveyer. 2,277,402; Mar. 24.
Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Airplane brake construction and the like. 2,277,434; Mar. 24.
Holmes, Morris P., Claremont, N. H., assignor to Jones & Lamson Machine Company, Springfield, Vt. Speed controlling mechanism. 2,277,643; Mar. 24.
Holwick, Earl E., Laguna Beach, Calif. Curtain rod attaching link. 2,277,324; Mar. 24.
Hopkins, James H. (See Keener, S. F., and Hopkins.)
Horr, John V., Hastings-on-Hudson, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Collapsible cardboard basket. 2,277,403; Mar. 24.
Howard, Leonard L., Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Method of making mica rings. 2,277,590; Mar. 24.
Howe Folding Furniture, Inc. (See Howe, Harold, assignor.)
Howe, Harold, Rowayton, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding table. 2,277,435; Mar. 24.
Howe, William S., Hinsdale, N. H., assignor to Production Machine Company, Greenfield, Mass. Grinding and polishing machine. 2,277,644; Mar. 24.
Howle, Ernest O., Chicago, Ill. Vent or chimney construction. 2,277,436; Mar. 24.
Huber, Matthew W., assignor to The Tuthill Pump Company, Chicago, Ill. Valve structure. 2,277,490; Mar. 24.
Huber, Matthew W., assignor to Tuthill Pump Company, Chicago, Ill. Valve structure. 2,277,491; Mar. 24.
Hueter, Richard, Haus Waldfrieden, Dessau-Rosslau/Anhalt, Germany, assignor, by mesne assignments to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Sulphonyl halides. 2,277,325; Mar. 24.
Hueter, Richard. (See Schirm, E., Hueter, and Engelbrecht.)
Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Connector for milking machines. 2,277,229; Mar. 24.
Hultgren, David W., and H. Williams, Bozeman, Mont. Pressure grease gun filler. 2,277,437; Mar. 24.
Humphreys, William J., Pittsburgh, Pa. Motion picture system. 2,277,438; Mar. 24.
Huntley, Walter P. (See Chenoweth, R. M., Irwin and Huntley.)
Huss, Duane E., Alton, Ill. Electrical connector. 2,277,326; Mar. 24.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Loweke, Aaron A., assignor.)
Ilieff, Ilion, Tarrytown, N. Y. Lock mechanism. 2,277,231; Mar. 24.
Imes, Robert H., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Clutch facing. 2,277,107; Mar. 24.
Imperial Brass Manufacturing Company, The. (See Frank, George E., assignor.)
Imperial Brass Manufacturing Company, The. (See Neukirch, Frank, assignor.)
Imperial Chemical Industries Limited. (See Bradbrook, E. F., Coffey and Haddock, assignors.)
Imperial Chemical Industries Limited. (See Bradbrook, E. F., Heilbron, Hey, and Haworth, assignors.)

Imperial Chemical Industries Limited. (See Haddock, Norman H., assignor.)
Imperial Chemical Industries Limited. (See Sexton, Wilfred A., assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping arm. 2,277,047; Mar. 24.
Induction Heating Corporation. (See Goodridge, Edward S., assignor.)
Inman, William H., Newark, assignor to Bloomer Bros. Company, Newark, N. Y. Egg box and the like. 2,277,232; Mar. 24.
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Egg box and the like. 2,277,327; Mar. 24.
Inventors Patent Holding Company. (See Mahr, Julius A., assignor.)
Irwin, Emmett M. (See Chenoweth, R. M., Irwin, and Huntley.)
Jabelmann, Otto. (See Travilla, J. C., Jr., and Jabelmann.)
Jackson, George F., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Attaching opener keys to end closures of tear strip cans. 2,277,108; Mar. 24.
Jackson, Leslie K. (See Lithgow, J., Jackson and Dillman.)
Jackson, Manly S., assignor to The Winkley Artificial Limb Co., Minneapolis, Minn. Knee joint for artificial legs. 2,277,548; Mar. 24.
Jaeger, Gebhard, Columbus, Ohio, and C. Gerst, Detroit, Mich., assignor to Jaeger Machine Company, Columbus, Ohio. Transmission. 2,277,517; Mar. 24.
Jaeger, Gebhard, and C. I. Bohmer, Columbus, Ohio, and C. Gerst, Detroit, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio. Door structure for mixers. 2,277,518; Mar. 24.
Jaeger Machine Company, The. (See Jaeger, G., and Gerst, assignors.)
Jaeger Machine Company, The. (See Jaeger, G., Bohmer, and Gerst, assignors.)
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron. 2,277,439; Mar. 24.
Jervis, George S., Amityville, N. Y. Door hinge. 2,277,549; Mar. 24.
Jochim, Helmer R., assignor to Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencil and making the same. 2,277,109; Mar. 24.
Johnson, Arthur E. (See Van Stone, C. E., and Johnson.)
Johnson, Curtis H., Santa Monica, Calif. Determining where pipe is stuck in a well. 2,277,110; Mar. 24.
Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Coupling for electrical switch handles. 2,277,645; Mar. 24.
Johnson, Ellsworth T., and N. F. Andrews, assignors to Deere & Company, Moline, Ill. Corn harvester. 2,277,591; Mar. 24.
Johnson, James P., Shaker Heights, assignor to Pump Engineering Service Corporation, Cleveland, Ohio. Oil separator. 2,277,646; Mar. 24.
Johnson Laboratories, Inc. (See Schaper, W. A., and McClellan, assignors.)
Johnson, Syver A., South Bend, Ind. Circular saw. 2,277,550; Mar. 24.
Johnson, Welton V., Short Hills, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Low-bounce contact device and the like. 2,277,111; Mar. 24.
Jones & Lamson Machine Company. (See Holmes, Morris P., assignor.)
Jones, Walter, Princeton, N. J., assignor to Carrier Corporation, Syracuse, N. Y. Refrigeration. 2,277,647; Mar. 24.
Joyce, Marion R., Greensboro, N. C., assignor to W. I. Blanton, Greenville, S. C. Manufacturing integrated crossover assemblies for suspenders. 2,277,112; Mar. 24.
Judd, Eugene H. (See Kneedler, George A., assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wagner, Herbert, assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wagner, H., Gropler, and Backhaus, assignors.)
Kambi, Raphael, South Norwalk, Conn. Reversible skirt. 2,277,492; Mar. 24.
Kamholz, Ferdinand L., Buffalo, N. Y. Electric razor. 2,277,328; Mar. 24.
Kannel, Charles, East Stroudsburg, Pa. Hide tanning apparatus. 2,277,404; Mar. 24.
Kearney, James R., Corporation. (See Cunningham, Firmin M., assignor.)
Kearney, James R., Corporation. (See Goldner, George W., assignor.)
Keener, Sam F., Salem, and J. H. Hopkins, Alliance, assignors to Salem Engineering Company, Salem, Ohio. Method and apparatus for heating metal objects. 2,277,592; Mar. 24.
Keevil, Henry W. (See Barnes, W. C., and Keevil.)
Kendall Company, The. (See Reed, Raymond E., assignor.)
Kendall Company, The. (See Reed, R. E., and Ryan, assignors.)
Kende, George, New York, N. Y., and P. J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Camera. 2,277,233; Mar. 24.
Kerns, Fred R., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Casting and trimming machine. 2,277,234; Mar. 24.
Kidder, Elwin H., La Porte, Ind., assignor to American Creosoting Company, Inc., Louisville, Ky. Tie handling apparatus. 2,277,235; Mar. 24.
Kilborn-Sauer Company, The. (See Sauer, Peter, assignor.)
Kimbrough, Charley S., Wiville, Ark. Educational device. 2,277,329; Mar. 24.
Kimmel, Joseph G., Sarasota, Fla. Internal combustion engine. 2,277,113; Mar. 24.
Kirst, Werner. (See Fischer, E., Gmelin, and Kirst.)
Kirst, Werner. (See Nusslein, J., and Kirst, assignors.)
Kirst, Werner, Konigstein in Taunus, and E. Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Process or producing fast dyeings and the dyed fiber obtained thereby. 2,277,551; Mar. 24.
Kizaur, Arthur J., Cicero, assignor to General Electric X-Ray Corporation, Chicago, Ill. Plate changer. 2,277,330; Mar. 24.
Klahn, Edwin, assignor to A. C. Blechner, New York, N. Y. Registering mechanism. 2,277,114; Mar. 24.
Kneedler, George A., assignor of one-third to C. N. Hobson and one-third to E. H. Judd, both of Vernon, Tex. Air conditioner. 2,277,552; Mar. 24.
Kneisley, Richard F., and O. M. St. John, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Surfacing machine. 2,277,236; Mar. 24.
Knochel, William J., Irvington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Glass-metal casing. 2,277,440; Mar. 24.
Koechling, Charles D., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,277,441; Mar. 24.
Köhn, Claus H., assignor to Fritz Mommendey & Sohn, Rapperswil, Switzerland. Resilient chain, such as pull chain. 2,277,593; Mar. 24.
Kol-Master Corporation. (See Bressler, Robert E., assignor.)
Kopp, Carl J. (See Hjermstad, H. U., and Kopp.)
Koppers Company. (See Rutten, Theodor, assignor.)
Kraemer, Clifford J. (See Ballard, W. O., and Kraemer.)
Krauss, Carl, Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc. Lamp fixture and socket therefor. 2,227,648; Mar. 24.
Krekeler, Hans. (See Mueller-Cunradi, M., Cantzler, and Krekeler.)
Krücken, Peter. (See Wadle, Anton, assignor.)
Krueger, Theodore H., Shelton, Conn. Envelope sealing closure and making it. 2,277,116; Mar. 24.
Krüger, Hugo, Gottesberg Kreis Waldenburg in Schlesien, and K. Gieseler, Hermsdorf Kreis Waldenburg in Schlesien, Germany, assignors to Sherka, Chemical Co., Inc., Bloomfield, N. J. Producing pure benzene hydrocarbons. 2,277,115; Mar. 24.
Kuhlman. Stanley, Hamilton, Ontario, Canada. Cast shears. 2,277,442; Mar. 24.
Kysor, Karl D., Northville, assignor to Palmer-Bee Company, Detroit, Mich. Key and keyway construction. 2,277,331; Mar. 24.
La Force, Jean, San Francisco, Calif., and A. K. Seemann, Garden City, N. Y., assignors to The Linde Air Products Company. Treating cutting tools. 2,277,117; Mar. 24.
Lamb, David C., Nappanee, assignor to Goshen Cushion & Body Co., Goshen, Ind. Collapsible costumer. 2,277,332; Mar. 24.
Landis Tool Company. (See Steiner, Amos P., assignor.)
Lane, Newton F., Decatur, Ill. Draft producing and regulating means. 2,277,493; Mar. 24.
Laxo, Ed, Riverside, Ill., assignor to Owens-Illinois Can Company. Can body forming apparatus. 2,277,519; Mar. 24.
Leatherman, Martin, Hyattsville, Md., dedicated to the free use of the people in the territory of the United States of America. Thixotropic composition of matter. 2,277,048; Mar. 24.
Leavitt, Abe A., Chicago, Ill., assignor of one-half to B. H. Quint. Eyeglass frame. 2,277,118; Mar. 24.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 2,277,025; Mar. 24.
Leingang, William C. (See Riggs, H. C., and Leingang.)
Lempert, Joseph. (See Findlay, J. H., and Lempert.)
Leopold, Hugo, Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Pump and motor assembly. 2,277,333; Mar. 24.
Leslie Company. (See Soderberg, Sten, assignor.)
Le Tourneau, R. G., Inc. (See Le Tourneau, R. G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Centrifugal casting apparatus. 2,277,334; Mar. 24.
Levy, Sylvan N. and W. B. Levy, Arden, Del. Furnace. 2,277,595; Mar. 24.
Levy, William B. (See Levy, Sylvan N., assignor.)

Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D.)
Lichter, Malvin, assignor to Stickless Corporation, New York, N. Y. Blotter and return postcard. 2,277,596; Mar. 24.
Lichtner, Zoltán, assignor to I. T. Székely, Budapest, Hungary. Manually operated weaving apparatus. 2,277,119; Mar. 24.
Linde Air Products Company, The. (See La Force, J., and Seemann, assignors.)
Lindsey, Ernest E., assignor, by mesne assignments, to A. T. Case Company, Los Angeles, Calif. Mixing, dispersing, and emulsifying machine. 2,277,120; Mar. 24.
Lipe, W. C., Inc. (See Spase, Charles B., assignor.)
Lithgow, John, L. K. Jackson, Cleveland, Ohio, and E. J. Dillman, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Control mechanism for liquid fuel burners. 2,277,237; Mar. 24.
Little, Elizabeth S., Milton, Fla. Collar holder. 2,277,238; Mar. 24.
Livingston, Callard, assignor to Comar Electric Co., Chicago, Ill. Switchstack assembly. 2,277,443; Mar. 24.
Loewenstein, Laurence, Columbus, Ohio. Holder for articles of printed matter. 2,277,494; Mar. 24.
Löpp, Edmund, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric discharge device. 2,277,121; Mar. 24.
Lorenz, C., Aktiengesellschaft. (See Heimann, Walter, assignor.)
Lorenz, C., Aktiengesellschaft. (See Herzog, R., Wiessner, Schulze-Herringen, and Gutzmann, assignors.)
Lorenz, C., Aktiengesellschaft. (See Löpp, Edmund, assignor.)
Lorenz, C., Aktiengesellschaft. (See Scharfnagel, Rudolf, assignor.)
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery filling well. 2,277,239; Mar. 24.
Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,277,335; Mar. 24.
Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,277,336; Mar. 24.
Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Awning hood. 2,277,240; Mar. 24.
Lowry, Homer T., San Diego, Calif. Eye testing apparatus. 2,277,122; Mar. 24.
Lubszynki, Hans G. (See McGee, J. D., and Lubszynski.)
Ludwick, Herbert V., Dearborn, Mich. Bleacher assembly. 2,277,594; Mar. 24.
Luff, Henry J., Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Adjustable bath trap. 2,277,337; Mar. 24.
Luginbill, Carl V., and P. Bieberich, Fort Wayne, Ind. Drawing die. 2,277,338; Mar. 24.
Luginbill, Carl V., and P. Bieberich, Fort Wayne, Ind. Drawing die. 2,277,339; Mar. 24.
Lynch, George C., Los Angeles, Calif., assignor, by mesne assignments, to G. C. Lynch and J. A. Lynch, as joint tenants, with right of survivorship. Portable mirror device. 2,277,241; Mar. 24.
Lynch, Josephine A. (See Lynch, George C., assignor.)
MacAllister, Copeland, Winchester, Mass., assignor to General Electric Company. Traffic control system. 2,277,495; Mar. 24.
Magiera, Thomas, Chicago, Ill. Heater. 2,277,340; Mar. 24.
Mahr, Julius A., assignor to Inventors Patent Holding Company, Minneapolis, Minn. Bassinet and foot well. 2,277,406; Mar. 24.
Maines, William P., Kenmore, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Slipper pad for crankless mechanisms. 2,277,496; Mar. 24.
Majestic, Mitchell F., Youngstown, Ohio. Closure for meat grinder. 2,277,123; Mar. 24.
Makaroff, Vadim S., New York, N. Y. Airplane. 2,277,242; Mar. 24.
Maliphant, Charles W., and H. R. Sennstrom, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,277,124; Mar. 24.
Mallory, P. R., & Co. (See Imes, Robert H., assignor.)
Malmborg, Eric W., Detroit, Mich. Weedless bait. 2,277,553; Mar. 24.
Mancusi, Amedeo, Jamaica, N. Y. Combination box, picnic table and canopy. 2,277,341; Mar. 24.
Manhattan Company, President and Directors of The. (See Miller, Albert F., assignor.)
Manz, Gottfried, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs. 2,277,243; Mar. 24.
Mapes Consolidated Manufacturing Company. (See Alfreds, Torris H., assignor.)
Marcum, James H., Cleveland Heights, Ohio. Gearshift mechanism. 2,277,244; Mar. 24.
Marner, Charles L., East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa. Closed vapor system for tanks containing volatile liquids. 2,277,407; Mar. 24.
Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyamides. 2,277,125; Mar. 24.
Martin, Fred P. (See Thomas, Frank S., assignor.)
Martin, Harry C., and C. W. Foss, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Making coated abrasives. 2,277,320; Mar. 24.
Marx, Louis, & Company. (See Rexford, Willis E., assignor.)
Marzocchi, Luigi, Milan, Italy. Machine for printing on cylindrical glassware. 2,277,597; Mar. 24.
Mason-Neilan Regulator Company. (See Dahl, Edward T., assignor.)
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,277,245; Mar. 24.
McCarty, Malcolm D., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Timing device. 2,277,521; Mar. 24.
McClellan, George B. (See Schaper, W. A., and McClellan.)
McClure, William E. (See Davis, O. W., and McClure.)
McCollum, Henry J. De N., Chicago, Ill. Automobile heater control system. 2,277,598; Mar. 24.
McConnell, Andrew J., Upper Darby, Pa., assignor to General Electric Company. Phase-sequence apparatus. 2,277,522; Mar. 24.
McConnell, Andrew J., Upper Darby, Pa., assignor to General Electric Company. Protective arrangement for electric systems. 2,277,523; Mar. 24.
McCoy, William C., Shaker Heights, assignor to The General Tire & Rubber Company, Akron, Ohio. Overload releasing mechanism. 2,277,554; Mar. 24.
McGee, James D., Ealing, London, and H. G. Lubszynski, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,277,246; Mar. 24.
McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Manufacture of plastic articles. 2,277,599; Mar. 24.
McKeon, Martin F., administrator. (See Vacher, John L.)
McKiernan, Kenneth G., Chicago, Ill. Register method and apparatus. 2,277,405; Mar. 24.
McKim, James B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,277,600; Mar. 24.
McKinney, Robert S., Chevy Chase, W. G. Rose, College Park, Md., and A. F. Freeman, Washington, D. C. Process for the preparation of tung oil. 2,277,342; Mar. 24.
McLean, Lyle, Los Angeles, Calif. Dry placer mining apparatus. 2,277,497; Mar. 24.
McLeod, Wallace B., Cornelius, Oreg. Double lock pipe wrench. 2,277,524; Mar. 24.
McMillan, Frank M. (See De Simo, M., and McMillan.)
McMullen, John C. (See Benner, R. C., and McMullen.)
McPhee, Margaret E., New Westminster, British Columbia, Canada. Cleaning implement for Venetian blinds and the like. 2,277,444; Mar. 24.
Medsker, Charles A. (See Merlub-Sobel, M., and Medsker.)
Medved, William, Fairbanks, Territory of Alaska. Wire bending, clinching, and cutting tool. 2,277,343; Mar. 24.
Mehan, Thomas O., assignor to Victor Adding Machine Company, Chicago, Ill. Adding machine. 2,277,498; Mar. 24.
Meissner, Ludwig. (See Ruder, M., Meissner, and Ungethüm.)
Mele, John M., East Haven, Conn. Tank gauge. 2,277,445; Mar. 24.
Merchant, Henry G., Concrete, Wash. Saw gauging means. 2,277,127; Mar. 24.
Merrius, Randolph P., New York, N. Y. Sound amplifier. 2,277,525; Mar. 24.
Merlub-Sobel, Menahem. (See Bialosky, J. M., and Merlub-Sobel.)
Merlub-Sobel, Menahem, and C. A. Medsker, Cleveland Heights, Ohio, assignors to William L. Ulmer. Metallic bonding process. 2,277,654; Mar. 24.
Metzner, Albert W. (See Sherman, J. Q., assignor.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Operating mechanisms for electric switches. 2,277,555; Mar. 24.
Michael, Oscar S., assignor to The Foxboro Company, Foxboro, Mass. Measuring apparatus. 2,277,365; Mar. 24.
Michaelson, Jesse L. (See Suits, C. G., and Michaelson.)
Michell-Crankless Engines Corporation. (See Maines, William P., assignor.)
Michigan Alkali Company. (See Roderick, H., and Schubring, assignors.)
Micro-Westco, Inc. (See Leopold, Hugo, assignor.)
Midland Steel Products Company, The. (See Almond, J. R., and Upp, assignors.)
Mikelson, Walter. (See Clark, H. L., and Mikelson.)
Miller, Albert F., New York, N. Y., assignor, by mesne assignments, to President and Directors of The Manhattan Company, New York, N. Y., as trustee for Gibson Patent Containers, Ltd. Machine for making paper containers. 2,277,128; Mar. 24.

Miller, Albert F., New York, N. Y., assignor, by mesne assignments, to President and Directors of the Manhattan Company, New York, N. Y., as trustee for Gibson Patent Containers, Ltd. Machine for making paper containers. 2,277,129; Mar. 24.
Miller, L. J. (See Cohn, Lee, assignor.)
Miller, Lauritz N., Eugene, Oreg. Differential convertible gasoline-Diesel engine. 2,277,130; Mar. 24.
Miller, Ray W., Oakland, Calif. Phonograph pickup. 2,277,344; Mar. 24.
Miller, William H., Conyngham, assignor to Freeland Spool and Bobbin Corp., Hazelton, Pa. Pinboard used for supporting tubes and cones. 2,277,556; Mar. 24.
Minerals and Metals Corporation. (See Brassert, Herman A., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Weber, Wilbur J., assignor.)
Missel, Johan C. B., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Transformer. 2,277,499; Mar. 24.
Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way signal transmission system. 2,277,126; Mar. 24.
Modern Collet & Machine Company. (See Baxendale, Samuel, assignor.)
Moecker, Henry, Jr., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Broiler. 2,277,446; Mar. 24.
Mojonnier Bros. Co. (See Mojonnier, T., J. J., and O. W., assignors.)
Mojonnier, Julius J. (See Mojonnier, T., J. J., and O. W.)
Mojonnier, Oliver W. (See Mojonnier, T., J. J., and O. W.)
Mojonnier, Timothy and J. J. Mojonnier, Oak Park, and O. W. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros. Co. Vat. 2,277,526; Mar. 24.
Molins, Desmond W., and A. Bingham, assignors to Molins Machine Company Limited, Deptford, London, England. Wrapping, parcelling, or boxing machine. 2,277,408; Mar. 24.
Molins Machine Company Limited. (See Molins, D. W., and Bingham, assignors.)
Mommendey, Fritz, & Sohn. (See Köhn, Claus H., assignor.)
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Automatic control apparatus. 2,277,131; Mar. 24.
Moore, Earl E., Gary, Ind. Shield for blast furnaces. 2,277,447; Mar. 24.
Morgan, Frank, Healdton, Okla. Tool. 2,277,601; Mar. 24.
Morse, Clark T., assignor to American Blower Corporation, Detroit, Mich. Apparatus for multiple room heating and air conditioning. 2,277,247; Mar. 24.
Moss, Chester C., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin. Silencer. 2,277,132; Mar. 24.
Moxey, Fred W. (See Stoner, H. B., and Moxey.)
Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, A. Cantzler and H. Krekeler, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Producing N-butylene. 2,277,650; Mar. 24.
Munsinger, Erich H., assignor to J. E. Pratt, Los Angeles, Calif. Tilting device. 2,277,448; Mar. 24.
Muntz, Alan, & Company Limited. (See Baynes, Leslie E., assignor.)
Murino, Matthew, New York, N. Y. Sewing machine guard. 2,277,133; Mar. 24.
Murray, Humphrey D., assignor to Norton & Gregory Limited, London, England. Chemical compositions. 2,277,409; Mar. 24.
Murray, Pexton F., Montebello, assignor to R. P. Cooney, Los Angeles, Calif. Casing or drill pipe spinning rope. 2,277,500; Mar. 24.
Murray, Pexton F., Montebello, assignor of one-half to A. H. Gandy, Bellflower, Calif. Slush pump piston. 2,277,501; Mar. 24.
Muskovin, George T. (See Widener, H. M., and Muskovin.)
Naftali, Valentine, New York, N. Y., assignor to American Machine & Foundry Company. Necktie sewing machine. 2,277,366; Mar. 24.
Nardi, John M., Detroit, Mich. Grater. 2,277,248; Mar. 24.
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)
National-Standard Company. (See Pierce, Robert C., assignor.)
National Tube Company. (See Anater, Raymond J., assignor.)
Nebel, Max, Chemnitz, Germany. Production of signal tops for stockings. 2,277,249; Mar. 24.
Nelson, Oscar G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Brake. 2,277,134; Mar. 24.
Nerken, Albert I. (See Polin, H. S., Nerken, and Wettingfeld.)
Neukirch, Frank, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flaring tool. 2,277,410; Mar. 24.
Neveu, Anseime, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,277,137; Mar. 24.
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor apparatus. 2,277,135; Mar. 24.
Newman, David F., Rockville Centre, assignor to Trans-Lux Corporation, New York, N. Y. Tape-controlling arrangement. 2,277,136; Mar. 24.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,277,138; Mar. 24.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,277,345; Mar. 24.
Nichols, William H., and J. P. Ferguson, South Bend, Ind. Valve guide puller. 2,277,346; Mar. 24.
Niemand, Frederick G., San Francisco, Calif. Surgical instrument. 2,277,139; Mar. 24.
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Widener, H. F., and Muskovin, assignors.)
Norton & Gregory Limited. (See Murray, Humphrey D., assignor.)
Novak, Izador J., Trumbull, assignor to Raybestos Manhattan, Inc., Bridgeport, Conn. Making an endless wound clutch facing. 2,277,602; Mar. 24.
Nüsslein, Josef, Frankfort-on-the-Main, and W. Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation. Producing fast dyeings on vulcanized fiber and the dyed fiber obtained thereby. 2,277,527; Mar. 24.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,277,557; Mar. 24.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Torsional vibration dampener. 2,277,558; Mar. 24.
Nutt, Harold, and H. V. Reed, assignors to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,277,603; Mar. 24.
Nyberg, Ernst V., Stockholm, Sweden, assignor, by mesne assignments, to Ekonomiregister Inc., New York, N. Y. Bookkeeping machine. 2,277,250; Mar. 24.
Obszarny, Thedore, assignor to Guardian Electric Mfg. Co., Chicago, Ill. Step up switches. 2,277,411; Mar. 24.
O'Connell, John J., Brooklyn, N. Y. Door holder. 2,277,140; Mar. 24.
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Oliver, Leslie W., Amersham, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Composite color photography. 2,277,141; Mar. 24.
Oliver, Paul E., San Diego, Calif. Nonrescalable bottle and closure means. 2,277,412; Mar. 24.
Orr, Glenn H., assignor to The General Tire & Rubber Company, Akron, Ohio. Rubber tired wheel construction. 2,277,604; Mar. 24.
Osborn, Charles L., Cheyenne, Wyo. Windshield ice scraper. 2,277,528; Mar. 24.
Owens-Illinois Can Company. (See Elser, William, assignor.)
Owens-Illinois Can Company. (See Laxo, Ed, assignor.)
Padva, Philip, Los Angeles, Calif. Line tracker. 2,277,502; Mar. 24.
Paine Company, The. (See Paine, Mathew H., assignor.)
Paine, Mathew H., Glen Ellyn, assignor to The Paine Company, Chicago, Ill. Retractable anchorage device. 2,277,449; Mar. 24.
Palitzsch, Rudolph T., Portland, Oreg. Electrically heated bottle warmer. 2,277,605; Mar. 24.
Palmer-Bee Company. (See Kysor, Karl D., assignor.)
Palmer, Edson F., Waterbury, Vt. Packing washer. 2,277,251; Mar. 24.
Pankonin, William G., Chicago, Ill. Riser structure for stapling machines. 2,277,347; Mar. 24.
Parish, Willard E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lamp receptacle. 2,277,348; Mar. 24.
Parr, Frank J., Eaton Rapids, Mich. Potato harvester. 2,277,450; Mar. 24.
Paseka, Edward, Forest Hills West, N. Y. Apparatus for dispensing and lighting cigarettes. 2,277,451; Mar. 24.
"Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren.". (See Schrim, E., Hueter, and Engelbrecht, assignors.)
People in the Territory of the United States of America, Dedicated to the free use of the. (See Leatherman, Martin.)
Perrine, John H. (See Alleman, G., and Perrine.)
Perry, Leo E., United States Navy. Microphone holder. 2,277,143; Mar. 24.
Perry, Richard G. (See Finlayson, D., and Perry.)
Perry, Richard G. (See Sowter, P. F. C., and Perry.)
Petersen, Hans, assignor to Storm Manufacturing Company, Inc., Minneapolis, Minn. Grinder. 2,277,144; Mar. 24.
Petersen, Siegfried. (See Stein, E., Taube, and Petersen.)

Peterson, Herman, Ridgway, Colo. Game apparatus. 2,277,413; Mar. 24.

Peterson, Robert E., Hollywood, Calif., assignor to Sco-Peet Manufacturers, Inc. Hydraulic apparatus for opening and closing doors and the like. 2,277,349; Mar. 24.

Petrolite Corporation. (See Eddy, Harold C., assignor.)

Pettersen, Moses E., Visalia, Calif. Ruler. 2,277,452; Mar. 24.

Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic apparatus. 2,277,256; Mar. 24.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,277,606; Mar. 24.

Phillips, Manly, Cincinnati, Ohio. Fishing lure. 2,277,350; Mar. 24.

Phillips Petroleum Company. (See Carney, Samuel C., assignor.)

Phillips, William A., Bessemer, Ala. Bait casting plug. 2,277,453; Mar. 24.

Pickens, Madison D., Meadville, Pa., assignor to Talon, Inc. Automatic lock slider for slide fasteners. 2,277,503; Mar. 24.

Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Reinforcing cable. 2,277,145; Mar. 24.

Pinnelli, Frank, South Orange, N. J. Porcupine cleaning brush. 2,277,657; Mar. 24.

Pizzino, Antonio, Massillon, Ohio. Fulcrum for grinding machines. 2,277,559; Mar. 24.

Pohle, William D., and W. C. Smith, Arlington, Va., assignors to C. R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Stabilizing rosin and pine oleoresin. 2,277,351; Mar. 24.

Polin, Herbert S., A. I. Nerken and H. Wettingfeld, Jr., New York, N. Y., assignors to Coffee X Corporation. Polymers from oil and extract of the genus coffea. 2,277,252; Mar. 24.

Pollinger, Morris D., Stamford, Conn. Shoe display stand. 2,277,253; Mar. 24.

Pope, Howard L., and G. R. Squibb, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Broaching tool. 2,277,607; Mar. 24.

Porsche, F., Dr. ing. h. c., K-G. (See Porsche, Ferdinand, assignor.)

Porsche, Ferdinand, Stuttgart-on-the-Neckar, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Fluid operated control apparatus for clutches. 2,277,454; Mar. 24.

Posey, Alfred W., Long Beach, Calif. Oscillatory power control switch. 2,277,352; Mar. 24.

Pratt, Harry C., assignor of one-half to N. Hamre, Miles City, Mont. Train order delivery means. 2,277,353; Mar. 24.

Pratt, John E. (See Munsinger, Erich H., assignor.)

Production Machine Company. (See Howe, William S., assignor.)

Pump Engineering Service Corporation. (See Johnson, James P., assignor.)

Pump Engineering Service Corporation. (See Wichorek, Edmund F., assignor.)

Quaedvlieg, Mathias. (See Brodersen, K., and Quaedvlieg.)

Quint, Bert H. (See Leavitt, Abe A., assignor.)

Radio Corporation of America. (See George, Ralph W., assignor.)

Radio Corporation of America. (See Missell, Johan C. B., assignor.)

Radio Corporation of America. (See Smith, J. E., Whitaker, and Clark, assignors.)

Railton, Reid A., assignor to Hall-Scott Motor Car Company, Berkeley, Calif. Reverse gearing. 2,277,367; Mar. 24.

Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Electron lens. 2,277,414; Mar. 24.

Ranco Incorporated. (See Raney, Estel C., assignor.)

Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,277,560; Mar. 24.

Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)

Raylite Electric Corporation. (See Fleischmann, Theodore, assignor.)

Reardon, George J., Bridgewater, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel holder for heel-attaching machines. 2,277,182; Mar. 24.

Redinger, Joseph M., Johnston, R. I. Tool holder. 2,277,354; Mar. 24.

Redler Conveyor Company. (See Sinden, Alfred De L., assignor.)

Reed, Harold V. (See Nutt, H., and Reed.)

Reed, Raymond E., and J. F. Ryan, assignor to The Kendall Company, Walpole, Mass. Infuser. 2,277,050; Mar. 24.

Reed, Raymond E., assignor to The Kendall Company, Walpole, Mass. Textile fabric and making same. 2,277,049; Mar. 24.

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Resistoflex Corporation. (See Schnabel, E., and Dangelmajer, assignors.)

Rexford, Willis E., Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Dump car for toy railroads. 2,277,455; Mar. 24.

Reynolds, Charles F., Cleveland, Ohio, assignor to The Eastern Malleable Iron Company, Naugatuck, Conn. Snap hook. 2,277,183; Mar. 24.

Richardson Company, The. (See Rieser, Oliver G., assignor.)

Richter, Frank, assignor to M. E. Richter, Weehawken, N. J. Tailboard. 2,277,529; Mar. 24.

Richter, Mollie E. (See Richter, Frank, assignor.)

Ridge, Dan, and L. L. Seestedt, assignors to H. W. Seestedt, Romulus, Mich., doing business as Romulus Gray Iron Foundry. Grease trap. 2,277,254; Mar. 24.

Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Overfill-preventing device for storage batteries. 2,277,257; Mar. 24.

Riggs, Harold C., Langhorne, and W. C. Leingang, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Filling and venting plug for storage battery cells. 2,277,269; Mar. 24.

Rippere, Robert O. (See Cesareo, O., and Rippere.)

Rite-Rite Mfg. Co. (See Jochim, Helmer R., assignor.)

Rixson, Oscar S., Company, The. (See Garrison, Forrest C., assignor.)

Robert, Kearny Q. (See Barker, C. H., and Robert.)

Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connector. 2,277,184; Mar. 24.

Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. System of electric welding. 2,277,146; Mar. 24.

Roderick, Howard, Grosse Ile, and A. C. Schubring, Trenton, assignors to Michigan Alkali Company, Wyandotte, Mich. Chemical reaction furnace. 2,277,355; Mar. 24.

Roemer, William C., assignor to Western Cartridge Company, New Haven, Conn. Trigger mechanism for firearms. 2,277,561; Mar. 24.

Rogers, Elwood C., Indianapolis, Ind. Enlarger. 2,277,147; Mar. 24.

Rohlin, Victor A., assignor to Cochrane Corporation, Philadelphia, Pa. Deaerating apparatus. 2,277,368; Mar. 24.

Rohrbach, Adolf K., deceased, Bremen-Oberneuland, and A. Dorn, Lemwerder, near Bremen, Germany, G. Edzard, administrator, assignors to "Weser" Flugzeugbau G. m. b. H., Bremen, Germany. Aircraft wing construction. 2,277,456; Mar. 24.

Romulus Gray Iron Foundry. (See Ridge, D., and Seestedt, assignors.)

Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode for electron discharge devices. 2,277,148; Mar. 24.

Rook, Clay H. (See Rook, J. A. and C. H.)

Rook, James A. and C. H., Los Angeles, Calif. Electric control for warning signals. 2,277,457; Mar. 24.

Rose, William G. (See McKinney, R. S., Rose, and Freeman.)

Rose, William H., Jersey City, N. J. Spraying device. 2,277,530; Mar. 24.

Rosenblatt, Mourice, Chicago, Ill. Window seat. 2,277,608; Mar. 24.

Rubin, Harry. (See Beckman, A. O., Bush, and Rubin.)

Rudert, Max, L. Meissner, and R. Ungethüm, Heidenheim, Brenz, assignors to J. M. Voith, Heidenheim on the Brenz, Germany. Guide blade brake. 2,277,255; Mar. 24.

Rudisill, Carl A., Cherryville, N. C. Treating yarn. 2,277,609; Mar. 24.

Ruesenberg, Carl A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,277,610; Mar. 24.

Ruppert, John A., Jr., Riverton, N. J. Lawn edger. 2,277,415; Mar. 24.

Rütten, Theodor, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Charging device for storage bunkers. 2,277,416; Mar. 24.

Ryan, John F. (See Reed, R. E., and Ryan.)

Safety Car Heating and Lighting Company, The. (See Arf, Herman R., assignor.)

St. John, Otto M. (See Kneisley, R. F., and St. John.)

St. Pierre, Henry, Worcester, Mass. Chain link and making the same. 2,277,567; Mar. 24.

Salem Engineering Company. (See Keener, S. F., and Hopkins, assignors.)

Santrey, Adell, New York, N. Y. Window attachment. 2,277,258; Mar. 24.

Sargent, Edward J., Los Angeles, Calif., assignor to Sargent Engineering Corporation. Valve seat and method of making same. 2,277,356; Mar. 24.

Sargent Engineering Corporation. (See Sargent, Edward J., assignor.)

Saucedo, Carlos, El Paso, Tex. Wrench. 2,277,026; Mar. 24.

Sauer, Peter, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Marine flagpole light and socket. 2,277,358; Mar. 24.

Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Adjustable seat support. 2,277,357; Mar. 24.

Schaaf, Fredrick, Brooklyn, N. Y. Illuminated and ornamental device. 2,277,611; Mar. 24.

Schaper, William A., Cicero, and G. B. McClellan, assignors to Johnson Laboratories, Inc., Chicago, Ill. Switching mechanism for multiple frequency band receivers. 2,277,149; Mar. 24.

Scharfnagel, Rudolf, Stuttgart, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Manufacturing vacuum tube devices. 2,277,150; Mar. 24.

Scheinman, Sol, White Plains, N. Y. Stacking device for storage files. 2,277,155; Mar. 24.

Schiefer, Arthur W. (See Gallagher, James W., assignor.)

Schirm, Erik, Dessau-Anhalt, R. Hueter, Dessau-Rosslau-Anhalt, H. J. Engelbrecht, Dessau-Anhalt, Germany, assignors, by mesne assignments, to "Patchem A.-G. Zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren," Zurich, Switzerland. Performing organic chemical reactions with alkali metal compounds. 2,277,359; Mar. 24.

Schlack, Paul, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of polyamides. 2,277,152; Mar. 24.

Schmitter, Walter P., Wauwatosa, and R. Wiken, assignors to The Falk Corporation, Milwaukee, Wis. Gear pump. 2,277,270; Mar. 24.

Schnabel, Ernst, Berlin-Lichterfelde, Germany, and C. Dangelmajer, Dover, N. J., assignors to Resistoflex Corporation, New York, N. Y. Plastic polyvinyl alcohol compositions. 2,277,259; Mar. 24.

Schneible, Claude B., Chicago, Ill. Ventilator for dust creating operations. 2,277,271; Mar. 24.

Schoonmaker, Carl, New York, N. Y. Hot air circulating heater. 2,277,151; Mar. 24.

Schu, Mathias, South Bend, Ind. Shower attachment. 2,277,562; Mar. 24.

Schubring, Arthur C. (See Roderick, H., and Schubring.)

Schultz, Richard A., Roseville, C. L. Schultz, Grosse Pointe Park, and A. F. De Vriendt, Detroit, assignors, by mesne assignments, to Friend Motor Company, Saint Clair Shores, Mich. Front wheel drive mechanism. 2,277,369; Mar. 24.

Schultze, Paul, assignor to John C. Doran, doing business as Doran Brothers, Incorporated, Danbury, Conn. Differential driving mechanism. 2,277,458; Mar. 24.

Schulze-Herringen, Erich. (See Herzog, R., Wiessner, Schulze-Herringen, and Gutzmann.)

Schumacher, Earle E. (See Bouton, G. M., and Schumacher.)

Sco-Peet Manufacturers, Inc. (See Peterson, Robert E., assignor.)

Scott, Byron W., near Los Gatos, Calif. Conveyer feeder. 2,277,154; Mar. 24.

Scott, Kenneth D., and D. K. Wright, Cleveland Heights, Ohio, assignors to General Electric Company. Vehicle headlamp. 2,277,563; Mar. 24.

Scott-Paine, Hubert, Hythe, Southampton, England. Stowage of fuel tanks. 2,277,272; Mar. 24.

Scott, Wallace J. and W. J., Jr., White Plains, N. Y. Injector for Diesel engines. 2,277,153; Mar. 24.

Scott, Wallace J., Jr. (See Scott, Wallace J. and W. J., Jr.)

Scrivener, Arthur, Birmingham, England. Grinding or abrading machine. 2,277,417; Mar. 24.

Sears, Roebuck and Co. (See Lithgow, J., Jackson, and Dillman.)

Seeger Refrigerator Company. (See Ellsworth, Walter A., assignor.)

Seemann, Arthur K. (See La Force, J., and Seemann.)

Seestedt, Henry W. (See Ridge, D., and Seestedt, assignors.)

Seitz, Warren W., Wilkinsburg, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling system. 2,277,459; Mar. 24.

Sennstrom, Harold R. (See Maliphant, C. W., and Sennstrom.)

Sexton, Wilfred A., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Insecticidal compositions. 2,277,158; Mar. 24.

Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,277,159; Mar. 24.

Shaffer Tool Works. (See Van Stone, C. E., and Johnson, assignors.)

Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Gas filled cable installation. 2,277,460; Mar. 24.

Shaw, Clarence W., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pump construction. 2,277,160; Mar. 24.

Sheedy, Harry J., Scranton, Pa. Bisectional lower denture. 2,277,370; Mar. 24.

Sheffer, Irving H., Detroit, Mich. Collet. 2,277,260; Mar. 24.

Shell Development Company. (See De Simo, M., and McMillan, assignors.)

Sherka Chemical Co. Inc. (See Krüger, H., Gieseler, assignors.)

Sherka Chemical Co. (See Wolff, F., Görnitz and Harnack, assignors.)

Sherman, John Q., Dayton, Ohio, deceased, and A. W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman; K. M. Sherman, W. C. Sherman and W. B. Turner, executors. Feeding means for recording machines. 2,277,156; Mar. 24.

Sherman, Katherine M., et al, as executor. (See Sherman, J. Q., and Metzner.)

Sherman, William C., et al, as executor. (See Sherman, J. Q., and Metzner.)

Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,277,461; Mar. 24.

Sickinger, Paul, San Jose, Calif. Electrical plug. 2,277,161; Mar. 24.

Simpson, Glenn W., Rochester, N. Y. Sunglass case. 2,277,371; Mar. 24.

Simpson, Herbert S. (See Christensen, A. C., and Castor, assignors.)

Simson, Godfrey, Toronto, Ontario, Canada. Hydraulic valve operating system. 2,277,418; Mar. 24.

Sinden, Alfred DeL., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,277,039; Mar. 24.

Smith, James E., Brooklyn, N. Y., J. N. Whitaker, Weehawken, N. J., and G. R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America. System for transmission and reception of frequency modulated signals. 2,277,261; Mar. 24.

Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Manufacture of short soled foot-wear. 2,277,531; Mar. 24.

Smith, S., & Sons (Motor Accessories) Limited. (See Butler, Charles E. M., assignor.)

Smith, Walter G. L. (See Graham, Adelbert M., assignor.)

Smith, Wiley C. (See Pohle, W. D., and Smith.)

Smith, William G., Jr., Noroton, Conn. Christmas tree lighting outfit. 2,277,532; Mar. 24.

Smoot, Russell M., Brentwood, Pa. Lubricating boot for universal joints and the like. 2,277,419; Mar. 24.

Sneed, John, Grosse Pointe Shores, Mich. Transmission. 2,277,157; Mar. 24.

Socony-Vacuum Oil Company. (See Barker, C. H., and Robert, assignors.)

Socony-Vacuum Oil Company. (See Clewell, Dayton H., assignor.)

Socony-Vacuum Oil Company. (See McCarty, Malcolm D., assignor.)

Soderberg, Sten, Passaic, assignor to Leslie Company, Lyndhurst, N. J. Pressure regulator. 2,277,162; Mar. 24.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Adapter. 2,277,564; Mar. 24.

Somes, Howard E., Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Apparatus for heat-treating tandem bearings. 2,277,372; Mar. 24.

Somes, Howard E., Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Grinding machine. 2,277,373; Mar. 24.

Sowter, P. F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Crinkling staple fiber. 2,277,164; Mar. 24.

Sowter, P. F. C. and R. G. Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of artificial textile materials. 2,277,163; Mar. 24.

Spánel, Abraham N., Dover, Del. Form for deposited rubber articles. 2,277,374; Mar. 24.

Spase, Charles B., Nedrow, assignor to W. C. Lipe, Inc., Syracuse, N. Y. Friction clutch. 2,277,273; Mar. 24.

Spiro, Walter, New York, N. Y., assignor, by mesne assignments, to Elevator Safety Corporation. Electric guide control system for elevator cars. 2,277,565; Mar. 24.

Spofford, Warren A., Glen Ridge, N. J., assignor to General Electric Company. Heat transfer surface. 2,277,462; Mar. 24.

Sprinkle, Charles L., Lansing, Mich. Air washer. 2,277,566; Mar. 24.

Square D Company. (See Roby, Frank H., assignor.)

Squibb, George R. (See Pope, H. L., and Squibb.)

Stanfield, William W., Largo, Fla. Automatic ratio poultry and stock feeder. 2,277,420; Mar. 24.

Stapling Machines Co. (See Babcock, G. C., and Stivers, assignors.)

Stebbing, Percy H., and L. L. Wallace, Petaluma, Calif. Toilet venting device. 2,277,165; Mar. 24.

Steele, Curtis E., Garrattsville, N. Y. Vacuum cleaner fan. 2,277,166; Mar. 24.

Steele, Maurice G., Havre de Grace, Md. Air eliminator for surface condensers. 2,277,651; Mar. 24.

Steelform Contracting Company. (See Conway, Roy A., assignor.)

Stein, Eberhard, Leverkusen-Schlebusch, C. Taube, Leverkusen-I. G.-Werk, and S. Petersen, Cologne-Mulheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs. 2,277,262; Mar. 24.

Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Bearing. 2,277,167; Mar. 24.

Stewart-Warner Corporation. (See Harter, Robert L., assignor.)

Stickless Corporation. (See Lichter, Malvin, assignor.)
Stivers, Earl R. (See Babcock, G. C., and Stivers.)
Stoner, Harry B., and F. W. Moxey, assignors to Stoner Manufacturing Corporation, Aurora, Ill. Bumper contact switch. 2,277,274; Mar. 24.
Stoner Manufacturing Corporation. (See Stoner, H. B., and Moxey, assignors.)
Storkline Furniture Corporation. (See Feldman, Abraham G., assignor.)
Storm Manufacturing Company. (See Petersen, Hans, assignor.)
Strom, Edwin E., Ely, Minn. Door holder. 2,277,168; Mar. 24.
Sturtevant, B. F., Company. (See Clark, Lester O. R., assignor.)
Sturtevant, B. F., Company. (See Hanson, Milton E., assignor.)
Submarine Signal Company. (See Haines, Kenneth F., assignor.)
Suhner, Willy, Brugg, Switzerland. Change speed gear. 2,277,814; Mar. 24.
Suits, Chauncey G., and J. L. Michaelson, Schenectady, N. Y., assignors to General Electric Company. Photometer. 2,277,421; Mar. 24.
Sun Oil Company. (See Alleman, G., and Perrine, assignors.)
Swartwout, Paul F., Cudahy, Wis. Rendering drum. 2,277,463; Mar. 24.
Swartz, Guy E., Detroit, Mich. Ram moving and locking means. 2,277,275; Mar. 24.
Swenson, Carl E., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Processing automobile propeller shafts. 2,277,613; Mar. 24.
Switzer, Joseph L., and R. C., Cleveland, Ohio. Press process of making reproduction impresses and product thereof. 2,277,169; Mar. 24.
Switzer, Robert C. (See Switzer, Joseph L. and R. C.)
Symington, William S., New York, N. Y., assignor to Vehicular Parking, Ltd., Washington, D. C. Parking meter system. 2,277,612; Mar. 24.
Szekely, István T. (See Lichtner, Zoltán, assignor.)
Talon, Inc. (See Beckwith, George M., assignor.)
Talon, Inc. (See Pickens, Madison D., assignor.)
Tama, Manuel, Trenton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Continuous casting of metal tubes. 2,277,375; Mar. 24.
Taube, Carl. (See Stein, E., Taube, and Petersen.)
Tavernese, Vincent, Washington, D. C. Combined heater and vacuum cleaner for motor vehicles. 2,277,568; Mar. 24.
Taylor, Laurens A., Schenectady, N. Y., assignor to General Electric Company. Radio locating and following system. 2,277,464; Mar. 24.
Technicolor Motion Picture Corporation. (See Oliver, Leslie W., assignor.)
Telefunken Gesellschaft für drahtlose Telegraphie m. b. H. (See Bergtold, Fritz, assignor.)
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Valve mechanism. 2,277,170; Mar. 24.
Thayer Action Company. (See Dasenbrook, Charles H., assignor.)
Thege, Edvin O. P., Stockholm, Sweden. Torsional vibration damper. 2,277,185; Mar. 24.
Thege, Edvin O. P., Stockholm, Sweden. Torsional vibration damper. 2,277,186; Mar. 24.
Thoma, Hans, Karlsruhe-Baden, Germany. Hydraulic device. 2,277,465; Mar. 24.
Thomas, Frank S., assignor of one-half to F. P. Martin, Topeka, Kans. Thermostat. 2,277,276; Mar. 24.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,277,466; Mar. 24.
Thompson, Lester O., Oklahoma City, Okla. Fusible blowout plug. 2,277,533; Mar. 24.
Thompson, Lester O., Oklahoma City, Okla. Steam pressure gauge protector. 2,277,534; Mar. 24.
Thompson Products, Incorporated. (See Crawford, Frederick C., assignor.)
Tide Water Associated Oil Company. (See Galstaun, Lionel S., assignor.)
Tombolini, Alfredo, Milan, Italy. Typewriter. 2,277,277; Mar. 24.
Towlsaver, Inc. (See West, Wilfred H., assignor.)
Townsend, Roy C., La Crosse, Wis. Making structural beams. 2,277,615; Mar. 24.
Townsend, Roy C., La Crosse, Wis. Structural beam. 2,277,616; Mar. 24.
Trans-Lux Corporation. (See Newman, David F., assignor.)
Transtrom, Henry L., Glendale, Calif. Corona discharge protective device. 2,277,187; Mar. 24.
Travilla, James C., Jr., University City, Mo., and O. Jabelmann, Omaha, Nebr., said Travilla assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle. 2,277,617; Mar. 24.
Traylor, John A., deceased, late of Denver, Colo., and T. S. Traylor, by Edna T. Eisenhand, and J. B. Traylor, Denver, Colo., executors. Apparatus for suspending self-leveling platforms. 2,277,171; Mar. 24.
Traylor, Tessie S., executor, et al. (See Traylor, John A.)
Treml, Leonid, Moscow. Union of Soviet Socialist Republics. Spring-driven type-printing telegraph apparatus. 2,277,535; Mar. 24.
Triplett, Stanley F., Modesto, Calif. Indicator for frozen canned goods. 2,277,278; Mar. 24.
Tucker, Herbert E., assignor to J. R. Cardwell, Chicago, Ill. Stabilizing mechanism for railway trucks and the like. 2,277,263; Mar. 24.
Turner, Wellmore B., et al, as executor. (See Sherman, J. Q., and Metzner.)
Tuthill Pump Company, The. (See Huber, Matthew W., assignor.)
Ulmer, William L. (See Bialosky, J. M., and Merlub-Sobel, assignors.)
Ulmer, William L. (See Merlug-Sobel, M., and Medsker, assignors.)
Ungethüm, Rudolf. (See Rudert, M., Meissner, and Ungethüm.)
"Unichem" Chemikalien Handels A.-G. (See Hueter, Richard, assignor.)
Union Switch & Signal Company, The. (See Crooks, Ralph K., assignor.)
Union Switch and Signal Company, The. (See Seitz, Warren W., assignor.)
Union Switch & Signal Company, The. (See Shields, Charles B., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Whitelock, Leland D., assignor.)
United Engineering and Foundry Company. (See Greenberger, Joseph L., assignor.)
United Shoe Machinery Corporation. (See Dallas, William S., assignor.)
United Shoe Machinery Corporation. (See Reardon, George J., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelis, F. M., assignor.)
Universal Camera Corporation. (See Kende, G., and Brownscombe, assignors.)
Utter, Raymond E., Cincinnati, Ohio. Enclosure. 2,277,618; Mar. 24.
Vacher, John L., deceased, late of Bridgeport, Conn., by M. F. McKeon, Bridgeport, Conn., administrator, assignor to M. D. Vacher, Bridgeport, Conn. Separable fastener. 2,277,172; Mar. 24.
Vacher, Madeleine D. (See Vacher, John L., assignor.)
Vakula, John F., Dearborn, Mich. Battery post protector. 2,277,376; Mar. 24.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,277,279; Mar. 24.
Van Guelpen, Louis J. (See Bergstein, S., and Van Guelpen.)
van Osselen, Willem, assignor to Gispen's Fabriek voor Metaalbewerking N. V., Culemborg, Netherlands. Cabinet locking mechanism. 2,277,142; Mar. 24.
Van Stone, Clifford E., and A. E. Johnson, Taft, assignors to Shaffer Tool Works, Brea, Calif. Portable pipe straightener. 2,277,188; Mar. 24.
Vaughan, Orley M., South Haven, Mich., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Hand telephone mounting. 2,277,280; Mar. 24.
Vehicular Parking, Ltd. (See Symington, William S., assignor.)
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Pumping system. 2,277,569; Mar. 24.
Vickers, Harry F., and K. R. Herman, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,277,570; Mar. 24.
Vickers Incorporated. (See Harrington, Ferris T., assignor.)
Vickers Incorporated. (See Vickers, Harry F., assignor.)
Vickers Incorporated. (See Vickers, H. F., and Herman, assignors.)
Victor Adding Machine Company. (See Mehan, Thomas O., assignor.)
Vinton, William H., Brattleboro, Vt. Ski. 2,277,281; Mar. 24.
Voith, J. M. (See Rudert, M., Meissner and Ungethüm, assignors.)
Wadle, Anton, assignor to Peter Krücken, Mannheim-Feudenheim, Germany. Aiming or shooting device. 2,277,467; Mar. 24.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner, E. R., Manufacturing Company. (See Wagner, Robert S., assignor.)
Wagner, Frank, assignor to J. F. Helmold & Bro., Chicago, Ill. Hand press attachment. 2,277,360; Mar. 24.
Wagner, Herbert, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Equalizing the air flow from or into the skin layer. 2,277,175; Mar. 24.
Wagner, Herbert, H. Gropler and G. Backhaus, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Airplane mechanism. 2,277,173; Mar. 24.
Wagner, Julius A. (See Henning, G. E., and Wagner.)
Wagner, Robert L., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Method and apparatus for applying protective metal. 2,277,571; Mar. 24.
Wagner, Robert S., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Hinge. 2,277,176; Mar. 24.

Walborn, John H., Harrisburg, Pa. Pretzel heater and display device. 2,277,282; Mar. 24.
Walker Manufacturing Company of Wisconsin. (See Moss, Chester C., assignor.)
Wallace, Donald P., Indianapolis, Ind. Door check. 2,277,283; Mar. 24.
Wallace, James M., Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,277,619; Mar. 24.
Wallace, Leon L. (See Stebbing, P. H., and Wallace.)
Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,277,422; Mar. 24.
Walliser, Robert E., Libertyville, Ill., assignor to L. G. Blessing. Heading forming machine. 2,277,189; Mar. 24.
Waltmann, Ernst, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Producing water-repellent textile materials and products therefrom. 2,277,174; Mar. 24.
Warner, Douglas K., Sarasota, Fla. Skimming craft. 2,277,620; Mar. 24.
Warner, Joshua B., Chattanooga, Tenn. Absorbing agent. 2,277,377; Mar. 24.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Wheel-balancing machine. 2,277,190; Mar. 24.
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Weber, Wilbur J., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for forced draft stokers. 2,277,621; Mar. 24.
Weinhart, Howard W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,277,423; Mar. 24.
Weissinger, Harry, Philadelphia, Pa. Adjustable brush tension device for electric motors, generators, etc. 2,277,572; Mar. 24.
Welch, Ralph C., Devon, Conn., assignor to General Electric Company. Lamp-holder assembly. 2,277,468; Mar. 24.
Wells, Edward C., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Power means for operating aircraft control surfaces. 2,277,378; Mar. 24.
Wermine, Hugo H., Wheaton, assignor to Belden Manufacturing Company, Chicago, Ill. Shield for electrical conductors. 2,277,177; Mar. 24.
Wermine, Hugo H., Wheaton, assignor to Belden Manufacturing Company, Chicago, Ill. Electrical insulation. 2,277,178; Mar. 24.
"Weser" Flugzeugbau G. m. b. H. (See Rohrbach, A. K., and Dorn, assignors.)
West, Francis, Jr., Boston, Mass., assignor to West Instrument Co., Inc., New York, N. Y. Telemetric system. 2,277,027; Mar. 24.
West Instrument Co. (See West, Francis, Jr., assignor.)
West, Wilfred H., San Francisco, assignor to Towlsaver, Inc., Los Angeles, Calif. Towel dispenser. 2,277,051; Mar. 24.
Western Cartridge Company. (See Roemer, William C., assignor.)
Western Electric Company. (See Henning, G. E., and Wagner, assignors.)
Western Electric Company. (See Nelson, Oscar G., assignor.)
Western Electric Company. (See Wright, Esmond P. G., assignor.)
Western Union Telegraph Company, The. (See Wyss, Clement H., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Canetta, J., and Bossart, assignors.)
Westinghouse Air Brake Company. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Mailiphant, C. W., and Sennstrom, assignors.)
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See de Margitta, Michael J. N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Findlay, J. H., and Lempert, assignors.)
Westinghouse Electric & Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Welton V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knochel, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)
Wettingfeld, Henry, Jr. (See Polin, H. S., Nerken, and Wettingfeld.)
Wheeling Stamping Company. (See McGinnis, Archibald B., assignor.)
Whitaker, James N. (See Smith, J. E., Whitaker and Clark.)
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 2,277,622; Mar. 24.
White, Earl G., Hobart, Ind. Cable clamp. 2,277,424; Mar. 24.
Whitelock, Leland D., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Receiving apparatus for train communication systems. 2,277,469; Mar. 24.
Whitfield, Marcy L., deceased, late of Mount Gilead, Ohio, L. L. Williams, administratrix, assignor to L. L. Williams, Clearwater, Fla. Internal combustion engine. 2,277,536; Mar. 24.
Whittle, D. B. (See Freeman, Charles M., assignor.)
Wichorek, Edmund F., assignor to Pump Engineering Service Corporation, Cleveland, Ohio. Multiple distributor valve. 2,277,573; Mar. 24.
Wickard, Claude R., as Secretary, etc. (See Pohle, W. D., and Smith, assignors.)
Widener, Helm F., West Boylston, and G. T. Muskovin, assignors to Norton Company, Worcester, Mass. Grinding machine table positioning mechanism. 2,277,028; Mar. 24.
Wiessner, Alfred. (See Herzog, R., Wiessner, Schulze-Herringen and Gutzmann.)
Wiest, Horace G., Nahant, Mass., assignor to General Electric Company. Switch. 2,277,425; Mar. 24.
Wiken, Ralph. (See Schmitter, W. P., and Wiken.)
Wilbur, Ray S., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined line and cutoff relay for telephone systems. 2,277,191; Mar. 24.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Purification of vinylidene chloride polymers. 2,277,504; Mar. 24.
Willard Storage Battery Company. (See Kerns, Fred R., assignor.)
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Williams, Herbert. (See Hultgren, D. W., and Williams.)
Williams, Lellia L., administratrix. (See Whitfield, Marcy L., assignor.)
Willis, Bernard D., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Taxicab call system. 2,277,649; Mar. 24.
Wilson, Barkley B., Portland, Oreg. Latch-on cover for boxes. 2,277,379; Mar. 24.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Multiplex signal-translating system. 2,277,192; Mar. 24.
Winkley Artificial Limb Co., The. (See Jackson, Manly S., assignor.)
Winn, Sidney B., Lapeer, Mich. Tractor-trailer vehicle. 2,277,179; Mar. 24.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Electrical governor. 2,277,284; Mar. 24.
Winther, Martin P. (See Winther, Anthony, assignor.)
Wintsch, Max T. (See Burger, W. H., and Wintsch.)
Wolf, Ellwood W., Philadelphia, and E. A. Corbin, Jr., Lansdowne, Pa., assignors of one-third to B. C. B. Industries. Apparatus for processing sheet material. 2,277,426; Mar. 24.
Wolff, Fritz, Berlin-Pankow, K. Görnitz, Teltow-Sheehof, and W. Harnack, Berlin-Friedrichshagen, Germany, assignors to Sherka Chemical Co., Inc., Bloomfield, N. J. Alkylene diamine alkyl mercury compounds. 2,277,180; Mar. 24.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Woodling, George V., Cleveland, Ohio. Measuring device. 2,277,285; Mar. 24.
Woodson, Thomas T., Schenectady, N. Y., assignor to General Electric Company. Multiple sequence recorder. 2,277,427; Mar. 24.
Wright, Daniel K. (See Scott, K. D., and Wright.)
Wright, Esmond P. G., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic toll ticketing system. 2,277,470; Mar. 24.
Wydler, Johann J., Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Gas turbine system. 2,277,471; Mar. 24.
Wyss, Clement H., Jr., Tuckahoe, assignor to The Western Union Telegraph Company, New York, N. Y. Radiant energy directive device. 2,277,193; Mar. 24.
Yancey, John R., assignor to Gray Tool Company, Houston, Tex. Apparatus for producing wells. 2,277,380; Mar. 24.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Electric motor. 2,277,264; Mar. 24.
Young Radiator Company. (See Ewald, Warren, assignor.)
Zahniser, Logan F., assignor to Erie Foundry Company, Erie, Pa. Leaf assembly and method of making the same. 2,277,265; Mar. 24.
Zahniser, Logan F., assignor to Erie Foundry Company, Erie, Pa. Machine for treating leaves for binding. 2,277,266; Mar. 24.
Zuck, Donald W., Dewey, Okla. Apparatus for pumping deep driven wells. 2,277,181; Mar. 24.
Zurn, J. A., Manufacturing Company. (See Luff, Henry J., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antenna system, Directive. E. Bruce. Re. 22,051; Mar. 24.
Light-sensitive device. O. Geisler and J. Eisele. Re. 22,052; Mar. 24.
Linings of furnaces, Forming basic. G. B. Crespi. Re. 22,050; Mar. 24.
Magnesium primary cell. S. Ruben. Re. 22,053; Mar. 24.
Pump piston, Slush. D. C. Sharp and R. M. Garrison. Re. 22,054; Mar. 24.
Synchronization system for television. P. M. G. Toulon. Re. 22,055; Mar. 24.

LIST OF DESIGN INVENTIONS

Air circulating propeller. J. M. Funk. 131,699; Mar. 24.
Bank, Coin. C. R. Sutherland. 131,694; Mar. 24.
Bottle. A. D. Strahm. 131,692; Mar. 24.
Box for paper tissues or similar accessories. M. R. Feinberg and H. V. Rosenblum. 131,684; Mar. 24.
Bracelet. N. Barbieri. 131,681; Mar. 24.
Bracelet. A. Katz. 131,738; Mar. 24.
Bracelet. A. Katz. 131,740; Mar. 24.
Bracelet. A. Katz. 131,742–3; Mar. 24.
Bracelet. A. Katz. 131,745; Mar. 24.
Bracelet. A. Katz. 131,777–8; Mar. 24.
Bracelet. A. Katz. 131,780; Mar. 24.
Bracelet or similar article. W. W. Hobé. 131,749–50; Mar. 24.
Brooch or similar article. J. Adler. 131,731; Mar. 24.
Brooch or similar article. A. Katz. 131,732–4; Mar. 24.
Brooch or similar article. A. Katz. 131,737; Mar. 24.
Brooch or similar article. A. Katz. 131,752–4; Mar. 24.
Brooch or similar article. A. Katz. 131,756–8; Mar. 24.
Brooch or similar article. A. Katz. 131,761–6; Mar. 24.
Brooch or similar article. A. Katz. 131,768–76; Mar. 24.
Brooch or similar article. A. Philippe. 131,746; Mar. 24.
Brooch or similar article. A. Philippe. 131,782–7; Mar. 24.
Casing for a furnace or the like. W. C. Schneider. 131,689; Mar. 24.
Chair, Baby's high. B. Greenbaum. 131,679; Mar. 24.
Clock face or similar article. L. Goldberg. 131,685; Mar. 24.
Cushion for attachment to telephone receivers, Flexible ear. M. N. Kesb. 131,719; Mar. 24.
Desk board. E. M. Hoyne. 131,751; Mar. 24.
Dress. I. Buchholz. 131,713–14; Mar. 24.
Dress. S. Elmo. 131,726; Mar. 24.
Dress. S. Franklin. 131,698; Mar. 24.
Dress. L. Heims. 131,701; Mar. 24.
Dress. J. Liotti. 131,728; Mar. 24.
Dress. D. R. Sadowsky. 131,703–4; Mar. 24.
Dress. H. Schultz. 131,730; Mar. 24.
Dress. F. T. Stix. 131,707; Mar. 24.
Dress. J. Walker. 131,708–9; Mar. 24.
Dress. S. Zahn. 131,711; Mar. 24.
Dress. S. Zahn. 131,720; Mar. 24.
Dress ensemble. S. De Pasquale. 131,696; Mar. 24.
Dress ensemble. S. Elmo. 131,697; Mar. 24.
Dress ensemble. S. Elmo. 131,715; Mar. 24.
Dress ensemble. F. Greenberg. 131,727; Mar. 24.
Dress ensemble. E. L. Horn. 131,702; Mar. 24.
Dress ensemble. S. Zahn. 131,721–4; Mar. 24.
Earring. A. Philippe. 131,747–8; Mar. 24.
Earring. A. Philippe. 131,788; Mar. 24.
Electric switch. D. G. Spotts. 131,691; Mar. 24.
Engine, Single cylinder. H. Schreck. 131,705; Mar. 24.
Engine, Twin cylinder V-type. H. Schreck. 131,706; Mar. 24.
Hanger, Garment. J. Balten and H. Spitz. 131,682; Mar. 24.
Headlamp unit, Military vehicle. W. B. Johnson. 131,686; Mar. 24.
Knife or other article of flatware. A. de Sakhnoffsky. 131,683; Mar. 24.
Lace fabric. J. D. Wiener. 131,695; Mar. 24.
Material distributing device. R. Gaddis. 131,700; Mar. 24.
Micrometer, Inside. A. H. Davis. 131,678; Mar. 24.
Mitt. M. Hacker. 131,716–17; Mar. 24.
Necklace. A. Katz. 131,739; Mar. 24.
Necklace. A. Katz. 131,741; Mar. 24.
Necklace. A. Katz. 131,744; Mar. 24.
Necklace. A. Katz. 131,779; Mar. 24.
Pin clip. A. Katz. 131,735–6; Mar. 24.
Pin clip. A. Katz. 131,755; Mar. 24.
Pin clip. A. Katz. 131,759–60; Mar. 24.
Pin clip. A. Katz. 131,767; Mar. 24.
Pin or similar article. F. Nathan. 131,688; Mar. 24.
Projection apparatus. W. F. Peck. 131,729; Mar. 24.
Shade, Louver lamp. O. H. Williams. 131,710; Mar. 24.
Shoe or similar article. D. E. Levin. 131,687; Mar. 24.
Stand or similar article, Display. S. J. Beebe. 131,672; Mar. 24.
Stand, Spool. S. H. Bates. 131,712; Mar. 24.
Suit, Play. R. Jacobson. 131,718; Mar. 24.
Suit, Work. E. H. Lachaud. 131,781; Mar. 24.
Textile fabric. A. Boutemy. 131,673–7; Mar. 24.
Textile fabric or similar article. L. Lehnig. 131,680; Mar. 24.
Toothbrush, Fountain. I. E. Siqveland. 131,690; Mar. 24.
Vulcanizer. C. E. Bowes. 131,725; Mar. 24.
Water closet bowl and foot rest. Combined. P. F. Stromblad. 131,693; Mar. 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasives, Making coated. H. C. Martin and C. W. Foss. 2,277,520; Mar. 24.
Absorbing agent. J. B. Warner. 2,277,377; Mar. 24.
Acetoacetic ester-formaldehyde resins. G. F. D'Alelio. 2,277,479; Mar. 24.
Adapter. H. E. Somes. 2,277,564; Mar. 24.
Adding machine. T. O. Mehan. 2,277,498; Mar. 24.
Agitator. H. G. Bingham. 2,277,508; Mar. 24.
Agitator, Straw. H. Gerlach, Sr. 2,277,546; Mar. 24.
Agitator, Washing machine. M. A. Erhart. 2,277,087; Mar. 24.
Aiming or shooting device. A. Wadle. 2,277,467; Mar. 24.
Air conditioner. G. A. Kneedler. 2,277,552; Mar. 23.
Air conditioning system. A. B. Newton. 2,277,138; Mar. 24.
Air eliminator for surface condensers. M. G. Steele. 2,277,651; Mar. 24.
Air flow from or into the skin layer, Equalizing the. H. Wagner. 2,277,175; Mar. 24.
Air washer. C. L. Sprinkle. 2,277,566; Mar. 24.
Aircraft instrument. L. E. Baynes. 2,277,625; Mar. 24.
Airplane. V. S. Makaroff. 2,277,242; Mar. 24.
Airplane mechanism. H. Wagner, H. Gropler, and G. Backhaus. 2,277,173; Mar. 24.
Alcohol compositions, Plastic polyvinyl. E. Schnabel and C. Dangelmajer. 2,277,259; Mar. 24.
Alky ester of 9-cyano-nonanoic acid. W. S. Bishop. 2,277,033; Mar. 24.
Alloy for cable sheaths, Lead. G. M. Bouton and E. E. Schumacher. 2,277,627; Mar. 24.
Amplifier, Sound. R. P. Mercurius. 2,277,525; Mar. 24.
Anaesthetic preparation. D. Curtis. 2,277,038; Mar. 24.
Anchorage device, Retractable. M. H. Paine. 2,277,449; Mar. 24.
Anode, Multiorifice. J. H. Findlay and J. Lempert. 2,277,430; Mar. 24.
Antiskid device. F. P. Chaussee. 2,277,036; Mar. 24
Apparatus for burning fuel. R. E. Bressler. 2,277,630; Mar. 24.
Apparatus for dispensing and lighting cigarettes. E. Paseka. 2,277,451; Mar. 24.
Apparatus for heat-treating tandem bearings. H. E. Somes. 2,277,372; Mar. 24.
Apparatus for crowning internal gears. R. S. Drummond. 2,277,041; Mar. 24.
Apparatus for multiple room heating and air conditioning. C. T. Morse. 2,277,247; Mar. 24.
Apparatus for processing sheet material. E. W. Wolf and E. A. Corbin, Jr. 2,277,426; Mar. 24.
Apparatus for producing wells. J. R. Yancey. 2,277,380; Mar. 24.
Apparatus for pumping deep driven wells. D. W. Zuck. 2,277,181; Mar. 24.
Apparatus for purification of liquids by electro-osmosis. A. H. Feyens. 2,277,091; Mar. 24.
Apparatus for quick freezing food products. O. C. Botz. 2,277,382; Mar. 24.
Apparatus for recovery of liquids from solids. H. L. Alexander, H. I. Du Pont, and W. B. Foulke. 2,277,053; Mar. 24.
Apparatus for spraying crown caps and the like. H. A. Fink. 2,277,092; Mar. 24.
Apparatus for suspending self-leveling platforms. J. A. Traylor. 2,277,171; Mar. 24.
Apparatus for the control of hydrocarbons. E. T. Dahl. 2,277,075; Mar. 24.
Arm, Lapping. H. S. Indge. 2,277,047; Mar. 24.
Arrangement for controlling two or more electric vapor or gas discharge tubes. D. M. Duinker. 2,277,581; Mar. 24.
Articles, Manufacture of plastic. A. B. McGinnis. 2,277,599; Mar. 24.
Attachment plug, Separable electric. B. B. Bradford. 2,277,293; Mar. 24.
Automobile propeller shafts, Processing. C. E. Swenson. 2,277,613; Mar. 24.
Automobile wheel cover. J. Haltenberger. 2,277,488; Mar. 24.
Awning hood. C. D. Lowry. 2,277,240; Mar. 24.
Bait casting plug. W. A. Phillips. 2,277,453; Mar. 24.
Bait, Weedless. E. W. Malmborg. 2,277,553; Mar. 24.
Band receivers, Multiple frequency. W. A. Schaper and G. B. McClellan. 2,277,149; Mar. 24.
Bank or unit, Self-contained flame arrester. S. H. Brooks. 2,277,294; Mar. 24.
Basket, Collapsible cardboard. J. V. Horr. 2,277,403; Mar. 24.
Bassinet and foot well. J. A. Mahr. 2,277,406; Mar. 24.
Bath trap, Adjustable. H. J. Luff. 2,277,337; Mar. 24.
Battery filling weld. H. W. Lormor. 2,277,239; Mar. 24.
Battery post protector. J. F. Vakula. 2,277,376; Mar. 24.
Battery, Secondary or storage. J. J. Drumm and A. G. Burnell. 2,277,636; Mar. 24.
Beams, Structural. R. C. Townsend. 2,277,616; Mar. 24.
Beams, Making structural. R. C. Townsend. 2,277,615; Mar. 24.
Bearing. A. P. Steiner. 2,277,167; Mar. 24.
Bearing mounting. T. C. Delaval-Crow. 2,277,635; Mar. 24.
Belt conveyer. H. Hoeck. 2,277,402; Mar. 24.
Benzene hydrocarbons, Producing pure. H. Krüger and K. Gieseler. 2,277,115; Mar. 24.
Bicycle driving mechanism. J. H. Crumble. 2,277,391; Mar. 24.
Bill folder. H. M. Herbener. 2,277,103; Mar. 24.
Bleacher assembly. H. V. Ludwick. 2,277,594; Mar. 24.
Blotter and return postcard. M. Lichter. 2,277,596; Mar. 24.
Blow out plug, Fusible. L. O. Thompson. 2,277,533; Mar. 24.
Bookbinding. J. E. Grant. 2,277,318; Mar. 24.
Bookkeeping machine. E. V. Nyberg. 2,277,250; Mar. 24.
Bottle and closure means, Nonresealable. P. E. Oliver. 2,277,412; Mar. 24.
Bottle beverage mixing machine. W. J. Engelhart. 2,277,310; Mar. 24.
Bottle warmer, Electrically heated. R. T. Palitzsch. 2,277,605; Mar. 24.
Box. G. C. Babcock and E. R. Stivers. 2,277,056; Mar. 24.
Box and the like, Egg. W. H. Inman. 2,277,232; Mar. 24.
Box and the like, Egg. W. H. Inman. 2,277,327; Mar. 24.
Box, picnic table, and canopy, Combination. A. Mancusi. 2,277,341; Mar. 24.
Brake: *See*—
Coaster brake. Guide blade brake.
Fluid brake.
Brake. A. A. Loweke. 2,277,335; Mar. 24.
Brake. O. G. Nelson. 2,277,134; Mar. 24.
Brake apparatus. B. S. Aikman. 2,277,052; Mar. 24.
Brake construction and the like, Airplane. C. Hollerith. 2,277,434; Mar. 24.
Brake control means. J. Canetta and P. N. Bossart. 2,277,035; Mar. 24.
Brake control mechanism. W. R. Freeman. 2,277,584; Mar. 24.
Brake cylinder device. C. W. Maliphant and H. R. Sennstrom. 2,277,124; Mar. 24.
Brake shoe anchoring means. W. F. Boldt. 2,277,577; Mar. 24.
Brake mechanism. E. E. Hewitt. 2,277,106; Mar. 24.
Brake mechanism. A. Neveu. 2,277,137; Mar. 24.
Broaching tool. H. L. Pope and G. R. Squibb. 2,277,607; Mar. 24.
Broiler. H. Moecker, Jr. 2,277,446; Mar. 24.
Brush holder. N. J. Clark. 2,277,540; Mar. 24.
Brush, Porcupine cleaning. F. Pinnelli. 2,277,657; Mar. 24.
Brush tension device for electric motors, generators, etc., Adjustable. H. Weissinger. 2,277,572; Mar. 24.
Building construction. H. A. Faber. 2,277,217; Mar. 24.
Bumper contact switch. H. B. Stoner and F. W. Moxey. 2,277,274; Mar. 24.
Bus door operator. J. R. Almond and G. W. Upp. 2,277,575; Mar. 24.
Cable: *See*—
Reinforcing cable.
Cable clamp. E. G. White. 2,277,424; Mar. 24.
Cable connector means, Electric. C. E. Bowers. 2,277,384; Mar. 24.
Cable installation, Gas filled. G. B. Shanklin. 2,277,460; Mar. 24.
Calender, Change-roll. F. D. Fowler. 2,277,313; Mar. 24.
Camera. G. Kende and P. J. Brownscombe. 2,277,233; Mar. 24.
Can body forming apparatus. E. Laxo. 2,277,519; Mar. 24.
Cannon clamp. R. J. Anater. 2,277,029; Mar. 24.
Car for toy railroads, Dump. W. E. Rexford. 2,277,455; Mar. 24.
Carbon articles, Treating shaped. E. R. Cole. 2,277,362; Mar. 24.

Carboxylic acids, Recovery of. L. S. Galstaun. 2,277,315; Mar. 24.
Carriage, Baby. A. G. Feldman. 2,277,583; Mar. 24.
Carrying device for geophysical instruments. C. H. Barker and K. Q. Roberts. 2,277,505; Mar. 24.
Carton. A. L. Hansen. 2,277,097; Mar. 24.
Cartridge, Blasting. J. Barab. 2,277,059; Mar. 24.
Case: *See*—
Sunglass case.
Casting and trimming machine. F. R. Kerns. 2,277,234; Mar. 24.
Casting apparatus, Centrifugal. R. G. Le Tourneau. 2,277,334; Mar. 24.
Catalyst. M. De Simo and F. M. McMillan. 2,277,512; Mar. 24.
Cathode ray scanning device. W. Heimann. 2,277,101; Mar. 24.
Cellulosic structures, Producing. R. Gewehr. 2,277,486; Mar. 24.
Cement troweling apparatus. R. A. Conway. 2,277,389; Mar. 24.
Cementing head. L. A. Courter. 2,277,510; Mar. 24.
Chain link and making same. H. St. Pierre. 2,277,567; Mar. 24.
Chain, such as pull chain, Resilient. C. H. Köhn. 2,277,593; Mar. 24.
Change speed gear. W. Suhner. 2,277,614; Mar. 24.
Charging device for storage bunkers. T. Rütten. 2,277,416; Mar. 24.
Chemical composition. H. D. Murray. 2,277,409; Mar. 24.
Chemical reaction furnace. H. Roderick and A. C. Schubring. 2,277,355; Mar. 24.
Chemical reactions with alkali metal compounds, Performing organic. E. Schirm, R. Hueter, and H.-J. Engelbrecht. 2,277,359; Mar. 24.
Circuit: *See*—
Electrical circuit. Noise limiting circuit.
Circuit interrupter. J. M. Wallace. 2,277,619; Mar. 24.
Circulating heater, Hot air. C. Schoonmaker. 2,277,151; Mar. 24.
Clamp: *See*—
Cable clamp. Cannon clamp.
Clamp and drill, Combined. L. D. Anderson. 2,277,576; Mar. 24.
Clasp. J. B. Freysinger. 2,277,044; Mar. 24.
Cleaner: *See*—
Vacuum cleaner.
Cleaner for potato digging blades. A. Cihak. 2,277,304; Mar. 24.
Cleaning implement for Venetian blinds and the like. M. E. McPhee. 2,277,444; Mar. 24.
Closure for meat grinder. M. F. Majestic. 2,277,123; Mar. 24.
Clothespin package. A. D. Hayes. 2,277,642; Mar. 24.
Clutch: *See*—
Friction clutch.
Clutch facing. R. H. Imes. 2,277,107; Mar. 24.
Clutch facing, Making an endless wound. I. J. Novak. 2,277,602; Mar. 24.
Clutch plate. H. Nutt and H. V. Reed. 2,277,603; Mar. 24.
Coaster brake. E. W. Glacy. 2,277,585; Mar. 24.
Coffee maker. H. G. Lehmann. 2,277,025; Mar. 24.
Collar holder. E. S. Little. 2,277,238; Mar. 24.
Collet. I. H. Sheffer. 2,277,260; Mar. 24.
Color lakes and producing same. G. Alleman and J. H. Perrine. 2,277,194; Mar. 24.
Coloring matters of the phthalocyanine series. E. F. Bradbrook, S. Coffey and N. H. Haddock. 2,277,628; Mar. 24.
Coloring matters of the phthalocyanine series. E. F. Bradbrook, I. M. Heilbron, D. H. Hey, and J. W. Haworth. 2,277,629; Mar. 24.
Composition. G. L. Dorough. 2,277,083; Mar. 24.
Compressor apparatus. G. K. Newell. 2,277,135; Mar. 24.
Condenser: *See*—
Evaporative condenser.
Conduit bender. J. A. Byler. 2,277,204; Mar. 24.
Connector: *See*—
Electrical connector. Pipe connector.
Connector for milking machines. J. L. Hulbert. 2,277,229; Mar. 24.
Contact device and the like, Low-bounce. W. V. Johnson. 2,277,111; Mar. 24.
Container: *See*—
Tin or sheet metal container.
Containers, Method of sealing. S. H. Berch. 2,277,288; Mar. 24.
Control apparatus. E. C. Raney. 2,277,560; Mar. 24.
Control apparatus, Automatic. C. B. Moore. 2,277,131; Mar. 24.
Control apparatus for clutches, Fluid operated. F. Porsche. 2,277,454; Mar. 24.
Control mechanism for liquid fuel burners. J. Lithgow, L. K. Jackson, and E. J. Dillman. 2,277,237; Mar. 24.
Control switch, Oscillatory power. A. W. Posey. 2,277,352; Mar. 24.
Control system for forced draft stokers. W. J. Weber. 2,277,621; Mar. 24.
Conveyer. A. DeL. Sinden. 2,277,039; Mar. 24.
Conveyer feeder. B. W. Scott. 2,277,154; Mar. 24.
Corona discharge protective device. H. L. Transtrom. 2,277,187; Mar. 24.
Costumer, Collapsible. D. C. Lamb. 2,277,332; Mar. 24.
Counting device, Electronic. W. H. Burger and M. T. Wintsch. 2,277,579; Mar. 24.
Coupling: *See*—
Pipe coupling.
Coupling for electrical switch handles. D. W. Johnson. 2,277,645; Mar. 24.
Cover: *See*—
Automobile wheel cover.
Cover for boxes, Latch-on. B. B. Wilson. 2,277,379; Mar. 24.
Crossover assemblies for suspenders, Manufacturing integrated. M. R. Joyce. 2,277,112; Mar. 24.
Curler, Hair. R. Berman. 2,277,032; Mar. 24.
Dampener, Torsional vibration. H. Nutt. 2,277,558; Mar. 24.
Damper, Torsional vibration. E. O. P. Thege. 2,277,185–6; Mar. 24.
Deaerating apparatus. V. A. Rohlin. 2,277,368; Mar. 24.
Deflector, Light. A. C. Bommer. 2,277,626; Mar. 24.
Denture, Bisectional lower. H. J. Sheedy. 2,277,370; Mar. 24.
Determining where pipe is stuck in a well. C. H. Johnson. 2,277,110; Mar. 24.
Device for removing hands and other small parts from watches and other mechanisms. G. D. Gustafson. 2,277,587; Mar. 24.
Diamond abrasive tool. E. W. Engle. 2,277,428; Mar. 24.
Diaper substitute, Infant's. L. Cohn. 2,277,043; Mar. 24.
Diaphragm valve. G. E. Franck. 2,277,395; Mar. 24.
Dictating machine. R. M. Chenoweth, E. M. Irwin, and W. P. Huntley. 2,277,207–8; Mar. 24.
Die: *See*—
Drawing die.
Differential driving mechanism. P. Schultze. 2,277,458; Mar. 24.
Dirigible dual wheel vehicle. C. S. Ash. 2,277,197; Mar. 24.
Dishwashing device. F. P. Blair. 2,277,291; Mar. 24.
Dispenser: *See*—
Towel dispenser.
Door check. D. P. Wallace. 2,277,283; Mar. 24.
Door construction. W. A. Ellsworth. 2,277,483; Mar. 24.
Door hinge. G. S. Jervis. 2,277,549; Mar. 24.
Door holder. F. C. Garrison. 2,277,316; Mar. 24.
Door holder. J. J. O'Connell. 2,277,140; Mar. 24.
Door holder. E. E. Strom. 2,277,168; Mar. 24.
Door structure for mixers. G. Jaeger, C. I. Bohmer and C. Gerst. 2,277,518; Mar. 24.
Double lock pipe wrench. W. B. McLeod. 2,277,524; Mar. 24.
Draft producing and regulating means. N. F. Lane. 2,277,493; Mar. 24.
Drafting instrument. E. W. Carlton. 2,277,299; Mar. 24.
Drag, Body. H. A. Gatley. 2,277,545; Mar. 24.
Drawing die. C. V. Luginbill and P. Bieberich. 2,277,338–9; Mar. 24.
Drill: *See*—
Clamp and drill.
Drive mechanism and sign actuated thereby. H. U. Hjermstad and C. J. Kopp. 2,277,323; Mar. 24.
Drum, Rendering. P. F. Swartwout. 2,277,463; Mar. 24.
Dustpan. C. E. Bowers. 2,277,383; Mar. 24.
Dyeings and the dyed fiber obtained thereby, Producing fast. E. Fischer, W. Gmelin, and W. Kirst. 2,277,544; Mar. 24.
Dyeings and the dyed fiber obtained thereby, Producing fast. W. Kirst and E. Fischer. 2,277,551; Mar. 24.
Dyeings on vulcanized fiber and the dyed fiber obtained thereby, Producing fast. J. Nüsslein and W. Kirst. 2,277,527; Mar. 24.
Dyestuffs, Azo. E. Heinrich. 2,277,230; Mar. 24.
Dyestuffs, Azo. G. Manz. 2,277,243; Mar. 24.
Dyestuffs, Azo. E. Stein, C. Taube, and S. Petersen. 2,277,262; Mar. 24.
Dyestuffs, Manufacture of phthalocyanine. N. H. Haddock. 2,277,588; Mar. 24.
Edger, Lawn. J. A. Ruppert, Jr. 2,277,415; Mar. 24.
Education device. C. S. Kimbrough. 2,277,329; Mar. 24.
Electric apparatus for treating emulsions. H. C. Eddy. 2,277,513; Mar. 24.
Electric circuit breaker. L. S. Walle. 2,277,422; Mar. 24.
Electric control for warning signals. J. A. and C. H. Rook. 2,277,457; Mar. 24.
Electric discharge device. E. Löpp. 2,277,121; Mar. 24.
Electric guide control system for elevator cars. W. Spiro. 2,277,565; Mar. 24.
Electric induction furnace. E. S. Goodridge. 2,277,223; Mar. 24.
Electric motor. J. Youhouse. 2,277,264; Mar. 24.
Electric switches, Operating mechanism for. G. J. Meuer. 2,277,555; Mar. 24.
Electrical circuit. K. F. Haines. 2,277,098; Mar. 24.
Electrical connector. D. E. Huss. 2,277,326; Mar. 24.

Electrical outlet. L. Epstein. 2,277,216; Mar. 24.
Electrical plug. P. Sickinger. 2,277,161; Mar. 24.
Electrode for electron discharge devices. V. L. Ronci. 2,277,148; Mar. 24.
Electrode holder. N. J. Carbis. 2,277,298; Mar. 24.
Electromagnetic relay. C. T. Evans. 2,277,653; Mar. 24.
Electron discharge device. J. D. McGee and H. G. Lubszynski. 2,277,246; Mar. 24.
Electron discharge device. H. W. Weinhart. 2,277,423; Mar. 24.
Enclosure. R. E. Utter. 2,277,618; Mar. 24.
Engine: *See*—
Gasoline Diesel engine.
Internal combustion engine.
Engine. A. Hansen. 2,277,226; Mar. 24.
Enlarger. E. C. Rogers. 2,277,147; Mar. 24.
Envelope sealing closure and making it. T. H. Krueger. 2,277,116; Mar. 24.
Ether ketone and preparing same, Resin-forming thioammeline. H. A. Bruson. 2,277,267; Mar. 24.
Evaporative condenser. E. Gygax. 2,277,320; Mar. 24.
Eye testing apparatus. H. T. Lowry. 2,277,122; Mar. 24.
Eyeglass frame. A. A. Leavitt. 2,277,118; Mar. 24.
Face protector. M. Feiler. 2,277,090; Mar. 24.
Fan, Vacuum cleaner. C. E. Steele. 2,277,166; Mar. 24.
Fastener: *See*—
Separable fastener.
Feed stop mechanism, Solenoid operated. A. E. Drissner. 2,277,085; Mar. 24.
Feeder: *See*—
Conveyer feeder. Poultry and stock feeder.
Feeding means for recording machines. J. Q. Sherman and A. W. Metzner. 2,277,156; Mar. 24.
Fiber, Crinkling staple. P. F. C. Sowter. 2,277,164; Mar. 24.
Filing tool. R. W. Hamilton. 2,277,639; Mar. 24.
Fishing lure. M. Phillips. 2,277,350; Mar. 24.
Fixture and socket therefor, Lamp. C. Krauss. 2,277,648; Mar. 24.
Flange detector for rail cars, Broken. H. R. Harshman. 2,277,099; Mar. 24.
Flaring tool. F. Neukirch. 2,277,410; Mar. 24.
Flash lamp. M. J. N. de Margitta. 2,277,481; Mar. 24.
Flaw detection apparatus. W. C. Barnes and H. W. Keevil. 2,277,060; Mar. 24.
Flooring and like surfaces, Constructing concrete. L. G. Boult. 2,277,203; Mar. 24.
Fluid brake. J. C. Foster and J. H. Biggs. 2,277,096; Mar. 24.
Fluid mixing apparatus. J. W. Gallagher. 2,277,314; Mar. 24.
Fluid pressure device. H. C. Bowen. 2,277,292; Mar. 24.
Fluid pressure producing device. A. A. Loweke. 2,277,336; Mar. 24.
Flux. J. M. Bialosky and M. Merlub-Sobel. 2,277,064; Mar. 24.
Folder for bills, papers or the like. H. M. Herbener. 2,277,104; Mar. 24.
Folding table. H. Howe. 2,277,435; Mar. 24.
Foot trip. H. Fehr. 2,277,312; Mar. 24.
Footwear, Manufacture of short soled. J. F. Smith. 2,277,531; Mar. 24.
Frame: *See*—
Eyeglass frame.
Frequency system, Ultra high. R. W. George. 2,277,638; Mar. 24.
Friction clutch. D. E. Gamble. 2,277,221; Mar. 24.
Friction clutch. H. Nutt. 2,277,557; Mar. 24.
Friction clutch. C. A. Ruesenberg. 2,277,610; Mar. 24.
Friction clutch. C. B. Spase. 2,277,273; Mar. 24.
Furnace: *See*—
Chemical reaction furnace. Electric induction furnace.
Furnace. S. N. and W. B. Levy. 2,277,595; Mar. 24.
Game apparatus. H. Peterson. 2,277,413; Mar. 24.
Game, Naval battle. F. W. Channer. 2,277,301; Mar. 24.
Garment. E. F. Bulloch. 2,277,068; Mar. 24.
Garment band. H. Hardie. 2,277,227; Mar. 24.
Gas conditioning apparatus. F. W. Hartman. 2,277,547; Mar. 24.
Gas turbine system. J. J. Wydler. 2,277,471; Mar. 24.
Gasoline-Diesel engine, Differential convertible. L. N. Miller. 2,277,130; Mar. 24.
Gauge: *See*—
Tank gauge.
Gear: *See*—
Change speed gear.
Gear pump. W. P. Schmitter and R. Wiken. 2,277,270; Mar. 24.
Gearshift mechanism. J. H. Marcum. 2,277,244; Mar. 24.
Gearing, Reverse. R. A. Railton. 2,277,367; Mar. 24.
Generator: *See*—
Steam generator.
Glass-metal casing. W. J. Knochel. 2,277,440; Mar. 24.
Governor, Electrical. A. Winther. 2,277,284; Mar. 24.
Granular materials, Method and apparatus for treating. C. L. Colbert. 2,277,073; Mar. 24.
Grater. J. M. Nardi. 2,277,248; Mar. 24.
Gravity meter. D. H. Clewell. 2,277,509; Mar. 24.
Grease trap. D. Ridge and L. L. Seestedt. 2,277,254; Mar. 24.
Grinder. H. Petersen. 2,277,144; Mar. 24.
Grinding and honing machine, Internal. B. E. Hanson. 2,277,589; Mar. 24.
Grinding and polishing machine. W. S. Howe. 2,277,644; Mar. 24.
Grinding machine. H. E. Somes. 2,277,373; Mar. 24.
Grinding machines, Fulcrum for. A. Pizzino. 2,277,559; Mar. 24.
Grinding machine table positioning mechanism. H. F. Widener and G. T. Muskovin. 2,277,028; Mar. 24.
Grinding or abrading machine. A. Scrivener. 2,277,417; Mar. 24.
Grommet. H. H. Eby. 2,277,637; Mar. 24.
Guard, Sewing machine. M. Murino. 2,277,133; Mar. 24.
Guide blade brake. M. Rudert, L. Meissner, and R. Ungethüm. 2,277,255; Mar. 24.
Guide for shears. A. B. Copeland. 2,277,074; Mar. 24.
Gun filler, Pressure grease. D. W. Hultgren and H. Williams. 2,277,437; Mar. 24.
Hand tool, Electric rotary. T. Fleischmann. 2,277,095; Mar. 24.
Hanger: *See*—
Strap hanger.
Hardness testing machine. S. Baxendale. 2,277,199; Mar. 24.
Harvester, Corn. E. T. Johnson and N. F. Andrews. 2,277,591; Mar. 24.
Harvester, Potato. F. J. Parr. 2,277,450; Mar. 24.
Hat forming system. L. O. R. Clark. 2,277,042; Mar. 24.
Heading forming machine. R. E. Walliser. 2,277,189; Mar. 24.
Headlamp, Vehicle. K. D. Scott and D. K. Wright. 2,277,563; Mar. 24.
Heat transfer surface. W. A. Spofford. 2,277,462; Mar. 24.
Heat treating apparatus. F. S. Denneen and W. C. Dunn. 2,277,082; Mar. 24.
Heater: *See*—
Circulating heater. Water heater.
Heater. T. Magiera. 2,277,340; Mar. 24.
Heater and defroster, Car. W. Ewald. 2,277,089; Mar. 24.
Heater and vacuum cleaner for motor vehicles, Combined. V. Tavernese. 2,277,568; Mar. 24.
Heater control system, Automobile. H. J. De N. McCollum. 2,277,598; Mar. 24.
Heating system. M. J. Black. 2,277,381; Mar. 24.
Heel holder for heel-attaching machines. G. J. Reardon. 2,277,182; Mar. 24.
Heel-seat fitting machine. W. S. Dallas. 2,277,076; Mar. 24.
Hide tanning apparatus. C. Kannel. 2,277,404; Mar. 24.
Hinge. R. S. Wagner. 2,277,176; Mar. 24.
Holder: *See*—
Brush holder. Electrode holder.
Collar holder. Microphone holder.
Door holder.
Holder for articles of printed matter. L. Loewenstein. 2,277,494; Mar. 24.
Hook: *See*—
Snap hook.
Hose and hose connector construction. A. M. Graham. 2,277,397; Mar. 24.
Hydraulic apparatus. E. M. Pfauser. 2,277,256; Mar. 24.
Hydraulic apparatus for opening and closing doors and the like. R. E. Peterson. 2,277,349; Mar. 24.
Hydraulic device. H. Thoma. 2,277,465; Mar. 24.
Illuminated and ornamental device. F. Schaaf. 2,277,611; Mar. 24.
Indicator for frozen canned goods. S. F. Triplett. 2,277,278; Mar. 24.
Infuser. R. E. Reed and J. F. Ryan. 2,277,050; Mar. 24.
Inhaler, Nasal. J. E. Crespo. 2,277,390; Mar. 24.
Injector for Diesel engines. W. J. Scott and W. J. Scott, Jr. 2,277,153; Mar. 24.
Insecticidal compositions. W. A. Sexton. 2,277,158; Mar. 24.
Inserting tool, Valve keeper. A. C. Curlee. 2,277,542; Mar. 24.
Insulation, Electrical. H. H. Wermine. 2,277,178; Mar. 24.
Internal combustion engine. E. H. Green. 2,277,225; Mar. 24.
Internal combustion engine. J. G. Kimmel. 2,277,113; Mar. 24.
Internal combustion engine. M. L. Whitfield. 2,277,536; Mar. 24.
Iron alloys, Producing low carbon chromium-containing. H. S. Cooper. 2,277,211; Mar. 24.
Iron core, High frequency. F. Bergtold. 2,277,474; Mar. 24.
Jig for plate welding and other operations, Assembly. W. E. Bullock. 2,277,631; Mar. 24.
Jogging machine. D. Daneke. 2,277,511; Mar. 24.
Joint for electrical conductors. F. M. Cunningham. 2,277,212; Mar. 24.
Key and keyway construction. K. D. Kysor. 2,277,331; Mar. 24.
Key sender. O. Cesareo. 2,277,206; Mar. 24.

Keys to end closures of tear strip cans, Attaching opener. G. F. Jackson. 2,277,108; Mar. 24.
Knee joint for artificial legs. M. S. Jackson. 2,277,548; Mar. 24.
Ladder lock. A. E. Dahlberg. 2,277,392; Mar. 24.
Lamp: *See*—
Flash lamp. Photoflash lamp.
Lamp and mounting, Electric. J. D. Ceader. 2,277,633; Mar. 24.
Lamp receptacle. W. E. Parish. 2,277,348; Mar. 24.
Lamp holder assembly. R. C. Welch. 2,277,468; Mar. 24.
Leaf assembly and making the same. L. F. Zahniser. 2,277,265; Mar. 24.
Lens, Electron. S. Ramo. 2,277,414; Mar. 24.
Level, Slope. J. T. Cassel. 2,277,071; Mar. 24.
Light and socket, Marine flagpole. P. Sauer. 2,277,358; Mar. 24.
Lighting outfit, Christmas tree. W. G. Smith, Jr. 2,277,532; Mar. 24.
Line and cutoff relay for telephone systems, Combined. R. S. Wilbur. 2,277,191; Mar. 24.
Line tracker. P. Padva. 2,277,502; Mar. 24.
Link, Gap. G. W. Goldner. 2,277,222; Mar. 24.
Liquids and gases, Separating. S. C. Carney. 2,277,070; Mar. 24.
Loading conveyer, Automatic self. J. A. Gabriel. 2,277,396; Mar. 24.
Loading device. J. B. Fulton. 2,277,219; Mar. 24.
Lock: *See*—
Ladder lock.
Lock mechanism. I. Ilieff. 2,277,231; Mar. 24.
Lock slider for slide fasteners, Automatic. M. D. Pickens. 2,277,503; Mar. 24.
Lock slider for slide fasteners, Reversible, automatic. G. M. Beckwith. 2,277,506; Mar. 24.
Locking mechanism, Cabinet. W. van Osselen. 2,277,142; Mar. 24.
Lubricating boot for universal joints and the like. R. M. Smoot. 2,277,419; Mar. 24.
Machine for making paper containers. A. F. Miller. 2,277,128–9; Mar. 24.
Machine for printing on cylindrical glassware. L. Marzocchi. 2,277,597; Mar. 24.
Machine for treating leaves for binding. L. F. Zahniser. 2,277,266; Mar. 24.
Magnetic device. J. M. Bach. 2,277,057; Mar. 24.
Magnetic inspection apparatus. R. L. Fitch. 2,277,431; Mar. 24.
Manifold and draft diverter, Combined. V. W. Belt. 2,277,201; Mar. 24.
Masthead. G. G. Brown. 2,277,386; Mar. 24.
Material, Packing. T. H. Alfreds. 2,277,537; Mar. 24.
Materials and product, Manufacture of coated. A. O. Beckman, W. A. Bush, and H. Rubin. 2,277,287; Mar. 24.
Materials, Production of artificial. H. Dreyfus. 2,277,086; Mar. 24.
Materials, Treatment of artificial textile. D. Finlayson and R. G. Perry. 2,277,093; Mar. 24.
Measuring apparatus. O. S. Michael. 2,277,365; Mar. 24.
Measuring device. G. V. Woodling. 2,277,285; Mar. 24.
Mechanism for feeding strip stock. W. Elser. 2,277,514; Mar. 24.
Mercurous sulphate, Oxidation of. K. M. Herstein. 2,277,046; Mar. 24.
Mercury compounds, Alkylene diamine alkyl. F. Wolff, K. Görnitz, and W. Harnack. 2,277,180; Mar. 24.
Metal objects, Method and apparatus for heating. S. F. Keener and J. H. Hopkins. 2,277,592; Mar. 24.
Metal products, Manufacture of. H. A. Brassert. 2,277,067; Mar. 24.
Metal treatment process and apparatus. G. W. Goerner. 2,277,268; Mar. 24.
Metallic bonding apparatus. M. Merlub-Sobel and C. A. Medsker. 2,277,654; Mar. 24.
Meter: *See*—
Gravity meter.
Method and apparatus for direct-steam treatment of extracted solid materials. M. Bonotto. 2,277,361; Mar. 24.
Method and apparatus for frequency changing. F. C. P. Henroteau. 2,277,516; Mar. 24.
Microphone holder. L. E. Perry. 2,277,143; Mar. 24.
Mining apparatus, Dry placer. L. McLean. 2,277,497; Mar. 24.
Mirror device, Portable. G. C. Lynch. 2,277,241; Mar. 24.
Mixing, dispersing, and emulsifying machine. E. E. Lindsey. 2,277,120; Mar. 24.
Molding. T. Downs. 2,277,543; Mar. 24.
Motor: *See*—
Electric motor.
Motor control, System of. G. E. Booth. 2,277,578; Mar. 24.
Motor for lubricant pumps, Fluid. R. L. Harter. 2,277,641; Mar. 24.
Mounting: *See*—
Bearing mounting. Telephone mounting.
Muller-agitator. A. C. Christensen and B. Castor. 2,277,209; Mar. 24.
Multiple distributor valve. E. F. Wichorek. 2,277,573; Mar. 24.
N-Butylene, Producing. M. Mueller-Cunradi, A. Cantzler, and H. Krekeler. 2,277,650; Mar. 24.
Noise limiting circuit. R. B. Dome. 2,277,040; Mar. 24.
Nuts, Treating. C. H. Frazier. 2,277,485; Mar. 24.
Oil cake, Treatment of. O. S. Anderson. 2,277,055; Mar. 24.
Oil, Preparation of tung. R. S. McKinney, W. G. Rose, and A. F. Freeman. 2,277,342; Mar. 24.
Oil separator. J. P. Johnson. 2,277,646; Mar. 24.
Ore treatment. A. J. Galley. 2,277,220; Mar. 24.
Ornamenting machine. J. G. Herbes. 2,277,363; Mar. 24.
Overfill-preventing device for storage batteries. O. O. Rieser. 2,277,257; Mar. 24.
Overload releasing mechanism. W. C. McCoy. 2,277,554; Mar. 24.
Packaging. W. O. Ballard and C. J. Kraemer. 2,277,058; Mar. 24.
Packer, Electric mechanical. M. A. Harris. 2,277,321; Mar. 24.
Packing gland construction. H. R. Arf. 2,277,196; Mar. 24.
Packing washer. E. F. Palmer. 2,277,251; Mar. 24.
Pad for crankless mechanisms, Slipper. W. P. Maines. 2,277,496; Mar. 24.
Paper manufacture. C. R. Crawford. 2,277,477; Mar. 24.
Parking meter system. W. S. Symington. 2,277,612; Mar. 24.
Pencil and making the same, Mechanical. H. R. Jochim. 2,277,109; Mar. 24.
Peripheral pump. R. V. Cook. 2,277,210; Mar. 24.
Phase-sequence apparatus. A. J. McConnell. 2,277,522; Mar. 24.
Phonograph pickup. R. W. Miller. 2,277,344; Mar. 24.
Photoflash lamp. M. J. N. de Margitta. 2,277,482; Mar. 24.
Photography, Composite color. L. W. Oliver. 2,277,141; Mar. 24.
Photometer. C. G. Suits and J. L. Michaelson. 2,277,421; Mar. 24.
Piano action. C. H. Dasenbrook. 2,277,077; Mar. 24.
Picture system, Motion. W. J. Humphreys. 2,277,438; Mar. 24.
Piezoelectric crystal apparatus. W. P. Mason. 2,277,245; Mar. 24.
Pigment and paint and making same, Lead aluminate. L. E. Barton. 2,277,062–3; Mar. 24.
Pigment, Nonreactive. H. A. Depew. 2,277,393; Mar. 24.
Pigment paint and making same, Lead aluminate. L. E. Barton. 2,277,061; Mar. 24.
Pin: *See*—
Safety pin.
Pinboard used for supporting tubes and cones. W. H. Miller. 2,277,556; Mar. 24.
Pipe connector, Automatic train. J. Robinson. 2,277,184; Mar. 24.
Pipe coupling. I. Groff. 2,277,399; Mar. 24.
Pipe straightener, Portable. C. E. Van Stone and A. E. Johnson. 2,277,188; Mar. 24.
Piston ring. F. C. Crawford. 2,277,307; Mar. 24.
Piston, Slush pump. P. F. Murray. 2,277,501; Mar. 24.
Planter. C. H. White. 2,277,622; Mar. 24.
Plastic diffuser. E. F. Guth. 2,277,433; Mar. 24.
Plate changer. A. J. Kizaur. 2,277,330; Mar. 24.
Plug: *See*—
Attachment plug. Blow out plug.
Bait casting plug. Electrical plug.
Plug for storage battery cells, Filling and venting. H. C. Riggs and W. C. Leingang. 2,277,269; Mar. 24.
Polyamides, Preparation of. E. L. Martin. 2,277,125; Mar. 24.
Polyamides, Preparation of. P. Schlack. 2,277,152; Mar. 24.
Polymers from oil and extract of the genus coffea. H. S. Polin, A. I. Nerken and H. Wettingfeld, Jr. 2,277,252; Mar. 24.
Poultry and stock feeder, Automatic ratio. W. W. Stanfield. 2,277,420; Mar. 24.
Power means for operating aircraft control surfaces. E. C. Wells. 2,277,378; Mar. 24.
Power transmission. F. T. Harrington. 2,277,640; Mar. 24.
Power transmission. H. F. Vickers and K. R. Herman. 2,277,570; Mar. 24.
Press attachment, Hand. F. Wagner. 2,277,360; Mar. 24.
Press process of making reproduction impresses and product thereof. J. L. and R. C. Switzer. 2,277,169; Mar. 24.
Pressure regulator. S. Soderberg. 2,277,162; Mar. 24.
Pretzel heater and display device. J. H. Walborn. 2,277,282; Mar. 24.
Prism-monocular. R. Bock. 2,277,065; Mar. 24.
Protective arrangement for electric system. A. J. McConnell. 2,277,523; Mar. 24.
Protective metal, Method and apparatus for applying. R. L. Wagner. 2,277,571; Mar. 24.

Protector: *See*—
Battery post protector. Steam pressure gauge protector.
Face protector.
Puller: *See*—
Valve guide puller.
Pump: *See*—
Gear pump. Well pump.
Peripheral pump.
Pump and motor assembly. H. Leopold. 2,277,333; Mar. 24.
Pump construction. C. W. Shaw. 2,277,160; Mar. 24.
Pumping system. H. F. Vickers. 2,277,569; Mar. 24.
Purification of vinylidene chloride polymers. R. M. Wiley. 2,277,504; Mar. 24.
Radiator and heating unit, Cabinet. R. R. Fisher. 2,277,094; Mar. 24.
Radiator bending machine. W. L. Harrison. 2,277,489; Mar. 24.
Radiant energy directive device. C. H. Wyss, Jr. 2,277,193; Mar. 24.
Radio locating and following system. L. A. Taylor. 2,277,464; Mar. 24.
Rail cropping machine. J. L. Anderson. 2,277,054; Mar. 24.
Railway vehicle. J. C. Travilla, Jr. and O. Jabelmann. 2,277,617; Mar. 24.
Ram moving and locking means. G. E. Swartz. 2,277,275; Mar. 24.
Razor, Electric. F. L. Kamholz. 2,277,328; Mar. 24.
Reaper attachment. G. L. Cadwell. 2,277,297; Mar. 24.
Receiving apparatus for train communication systems. L. D. Whitelock. 2,277,469; Mar. 24.
Receptacle: *See*—
Lamp receptacle.
Recorder, Multiple sequence. T. T. Woodson. 2,277,427; Mar. 24.
Recording and reproducing device. A. B. Clopton. 2,277,305; Mar. 24.
Refrigerating system. M. E. Fiene. 2,277,429; Mar. 24.
Refrigerating systems, Manufacturing. W. E. Anderson. 2,277,030; Mar. 24.
Refrigeration. W. Jones. 2,277,647; Mar. 24.
Refrigeration control system. A. B. Newton. 2,277,345; Mar. 24.
Refrigerative cooling and pressure ventilation system, Combined. M. E. Hanson. 2,277,045; Mar. 24.
Refrigerator. L. W. Atchison. 2,277,031; Mar. 24.
Register method and apparatus. K. G. McKiernan. 2,277,405; Mar. 24.
Registering mechanism. E. Klahn. 2,277,114; Mar. 24.
Regulator: *See*—
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Reinforcing cable. R. C. Pierce. 2,277,145; Mar. 24.
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Relay device. C. Dillard. 2,277,308; Mar. 24.
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Ring traveler. A. D. Carter. 2,277,300; Mar. 24.
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Riser structure for stapling machines. W. G. Pankonin. 2,277,347; Mar. 24.
Rod ataching link, Curtain. E. E. Holwick. 2,277,324; Mar. 24.
Roof for fluid storage tanks, Expansion. P. S. Graver. 2,277,398; Mar. 24.
Rope, Casing or drill pipe spinning. P. F. Murray. 2,277,500; Mar. 24.
Rosin and pine oleoresin, Stabilizing. W. D. Pohle and W. C. Smith. 2,277,351; Mar. 24.
Rotatable packaging machine. S. Bergstein and L. J. Van Guelpen. 2,277,289; Mar. 24.
Rubber articles, Form for deposited. A. N. Spánel. 2,277,374; Mar. 24.
Rubber tired wheel construction. G. H. Orr. 2,277,604; Mar. 24.
Ruler. M. E. Pettersen. 2,277,452; Mar. 24.
Sadiron. W. F. Bisley. 2,277,034; Mar. 24.
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Safety pin. S. H. Englander. 2,277,582; Mar. 24.
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Safety valve, Large capacity. R. E. Falls. 2,277,655–6; Mar. 24.
Saw, Circular. S. A. Johnson. 2,277,550; Mar. 24.
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Scale, Square root. G. R. Dalager. 2,277,634; Mar. 24.
Scraper, Windshield ice. C. L. Osborn. 2,277,528; Mar. 24.
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Valve seat. Window seat.
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Shield for electrical conductors. H. H. Wermine. 2,277,177; Mar. 24.
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Shoe display stand. M. D. Pollinger. 2,277,253; Mar. 24.
Shower attachment. M. Schu. 2,277,562; Mar. 24.
Shuffle conveyer. F. A. Doll. 2,277,309; Mar. 24.
Signal-translating system, Multiplex. J. C. Wilson. 2,277,192; Mar. 24.
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Silencer. C. C. Moss. 2,277,132; Mar. 24.
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Skimming craft. D. K. Warner. 2,277,620; Mar. 24.
Skirt, Reversible. R. Kamhi. 2,277,492; Mar. 24.
Slicing machine. C. F. M. van Berkel. 2,277,279; Mar. 24.
Snap hook. C. F. Reynolds. 2,277,183; Mar. 24.
Solvent recovery. K. C. D. Hickman. 2,277,401; Mar. 24.
Speed changing mechanism. W. L. Groene. 2,277,432; Mar. 24.
Speed controlling mechanism. M. P. Holmes. 2,277,643; Mar. 24.
Spindle. H. G. Beede and F. N. Beede. 2,277,200; Mar. 24.
Spinning spool for winding up fresh spun artificial silk. T. Grauer. 2,277,224; Mar. 24.
Spraying device. W. H. Rose. 2,277,530; Mar. 24.
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Steam pressure gauge protector. L. O. Thompson. 2,277,534; Mar. 24.
Steam generator, High pressure. O. Hartmann. 2,277,100; Mar. 24.
Steel, System of handling and processing. De W. E. Carpenter. 2,277,205; Mar. 24.
Stowage of fuel tanks. H. Scott-Paine. 2,277,272; Mar. 24.
Straphanger, Advertising. V. Ehrenhaft. 2,277,088; Mar. 24.
Strip feeding apparatus. H. C. Bostwick. 2,277,476; Mar. 24.
Strip processing apparatus. J. I. Greenberger. 2,277,319; Mar. 24.
Sulphonyl halides. R. Hueter and H. Waldfrieden. 2,277,325; Mar. 24.
Sunglass case. G. W. Simpson. 2,277,371; Mar. 24.
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Surgical instrument. F. G. Niemand. 2,277,139; Mar. 24.
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Switch. H. G. Wiest. 2,277,425; Mar. 24.
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Switchstack assembly. C. Livingston. 2,277,443; Mar. 24.
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Taxicab call system. B. D. Willis. 2,277,649; Mar. 24.
Telemetric system. F. West, Jr. 2,277,027; Mar. 24.
Telephone mounting, Hand. R. H. Burfeind. 2,277,296; Mar. 24.
Telephone mounting, Hand. O. M. Vaughan. 2,277,280; Mar. 24.
Telephone system. L. H. Allen. 2,277,623; Mar. 24.
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Telephone system. G. Hecht. 2,277,228; Mar. 24.
Telephone system. C. D. Koechling. 2,277,441; Mar. 24.
Telephone system. J. B. McKim. 2,277,600; Mar. 24.
Tension control apparatus. G. E. Henning and J. A. Wagner. 2,277,102; Mar. 24.
Tent, Oxygen. D. J. Cohn. 2,277,072; Mar. 24.
Tester, Fruit ripeness. H. L. Clark and W. Mikelson. 2,277,037; Mar. 24.
Textile fabric and making same. R. E. Reed. 2,277,049; Mar. 24.
Textile fabrics, Process and auxiliary for improving. K. Brodersen and M. Quaedvlieg. 2,277,202; Mar. 24.
Textile materials, and products therefrom, Producing water-repellent. E. Waltmann. 2,277,174; Mar. 24.

Textile materials, Treatment of artificial. P. F. C. Sowter and R. G. Perry. 2,277,163; Mar. 24.
Thermostat. F. S. Thomas. 2,277,276; Mar. 24.
Thermostatic draft control. C. B. Harrell. 2,277,515; Mar. 24.
Thixotropic composition of matter. M. Leatherman. 2,277,048; Mar. 24.
Thread grinding machine. W. F. Dalzen. 2,277,213; Mar. 24.
Tie handling apparatus. E. H. Kidder. 2,277,235; Mar. 24.
Tile, Hollow. R. C. Benner and J. C. McMullen. 2,277,507; Mar. 24.
Tilting device. E. H. Munsinger. 2,277,448; Mar. 24.
Timing device. M. D. McCarty. 2,277,521; Mar. 24.
Tin or sheet metal container. P. Bogner. 2,277,066; Mar. 24
Tobacco harvesting device. J. C. Gilbert. 2,277,317; Mar. 24.
Toilet venting device. P. H. Stebbing and L. L. Wallace. 2,277,165; Mar. 24.
Toll ticketing system, Automatic. E. P. G. Wright. 2,277,470; Mar. 24.
Tongs. E. DeLillo. 2,277,081; Mar. 24.
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Filing tool. Wire bending, clinching, and cutting tool.
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Hand tool.
Tool. F. Morgan. 2,277,601; Mar. 24.
Tool for gear blanks, Burnishing. A. E. Drissner. 2,277,084; Mar. 24.
Toolholder. C. W. Bennett. 2,277,290; Mar. 24.
Toolholder. J. M. Redinger. 2,277,354; Mar. 24.
Tops for stockings, Production of single. M. Nebel. 2,277,249; Mar. 24.
Torch, Scarfing. J. L. Anderson. 2,277,472; Mar. 24.
Toy. S. J. Cabanban. 2,277,539; Mar. 24.
Tools, Treating cutting. J. La Force and A. K. Seemann. 2,277,117; Mar. 24.
Towel dispenser. W. H. West. 2,277,051; Mar. 24.
Track support for crawler tractors. J. G. Heaslet. 2,277,322; Mar. 24.
Tractor-trailer vehicle. S. B. Winn. 2,277,179; Mar. 24.
Traffic control system. C. MacAllister. 2,277,495; Mar. 24.
Traffic controlling apparatus, Railway. R. K. Crooks. 2,277,478; Mar. 24.
Traffic controlling apparatus, Railway. R. K. Crooks. 2,277,541; Mar. 24.
Train order delivery means. H. C. Pratt. 2,277,353; Mar. 24.
Transformer. J. C. B. Missel. 2,277,499; Mar. 24.
Transmission. A. Y. Dodge. 2,277,214; Mar. 24.
Transmission. G. Jaeger and C. Gerst. 2,277,517; Mar. 24.
Transmission. J. Sneed. 2,277,157; Mar. 24.
Transmission mechanism for altimeters or the like, Adjustable motion. C. E. M. Butler. 2,277,632; Mar. 24.
Transmission system, Two-way signal. D. Mitchell. 2,277,126; Mar. 24.
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Tray, Dental. A. H. Bartling. 2,277,624; Mar. 24.
Trigger mechanism for firearms. W. C. Roemer. 2,277,561; Mar. 24.
Trimmer, Hedge. W. L. Davis. 2,277,080; Mar. 24.
Truck, Car. J. A. Shafer. 2,277,159; Mar. 24.
Truck, Portable hand. J. C. Chenette. 2,277,302; Mar. 24.
Truck, Railway. H. M. Pflager. 2,277,606; Mar. 24.
Tube devices, Manufacturing vacuum. R. Scharfnagel. 2,277,150; Mar. 24.
Tubes, Continuous casting of metal. M. Tama. 2,277,375; Mar. 24.
Tubes, Making welded. J. L. Anderson. 2,277,473; Mar. 24.
Turbine blade construction. W. B. Flanders. 2,277,484; Mar. 24.
Turbine regulating system, Noncondensing. W. Guilhauman. 2,277,487; Mar. 24.
Type-printing telegraph apparatus, Spring driven. L. Treml. 2,277,535; Mar. 24.
Typewriter. A. Tombolini. 2,277,277; Mar. 24.
Urea-formaldehyde-chlorinated acetaldehyde condensation products. G. F. D'Alelio. 2,277,480; Mar. 24.
Vacuum breaker. G. Brown. 2,277,295; Mar. 24.
Vacuum cleaner. M. G. Burwell. 2,277,069; Mar. 24.
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Diaphragm valve. Safety valve.
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Valve guide puller. W. H. Nichols and J. P. Ferguson. 2,277,346; Mar. 24.
Valve handles, Production of. F. G. Brotz. 2,277,385; Mar. 24.
Valve seat, Quick detachable flush. L. I. Clark. 2,277,388; Mar. 24.
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Valve operating system, Hydraulic. G. Simson. 2,277,418; Mar. 24.
Valve seat and making same. E. J. Sargent. 2,277,356; Mar. 24.
Valve structure. M. W. Huber. 2,277,490–1; Mar. 24.
Vapor system for tanks containing volatile liquids, Closed. C. L. Marner. 2,277,407; Mar. 24.
Vapors and liquids, Separating. S. C. Carney. 2,277,387; Mar. 24.
Vat. T., J. J., and O. W. Mojonnier. 2,277,526; Mar. 24.
Vehicle: *See*—
Dirigible dual wheel vehicle. Railway vehicle.
Tractor trailer vehicle.
Vent or chimney construction. E. O. Howle. 2,277,436; Mar. 24.
Ventilator for dust creating operations. C. B. Schneible. 2,277,271; Mar. 24.
Voltage regulator. C. T. Evans. 2,277,652; Mar. 24.
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Air washer. Packing washer.
Wash-over and cutting tool, Combination. W. F. Carothers. 2,277,580; Mar. 24.
Water heater, Sun. C. M. Freeman. 2,277,311; Mar. 24.
Wave transmitter system, Common. R. Herzog, A. Wiessner, E. Schulze and F. Gutzmann. 2,277,105; Mar. 24.
Weaving apparatus, Manually operated. Z. Lichtner. 2,277,119; Mar. 24.
Welding, System of electric. F. H. Roby. 2,277,146; Mar. 24.
Well pump, Deep. E. E. Coffey. 2,277,306; Mar. 24.
Wheel-balancing machine. I. A. Weaver. 2,277,190; Mar. 24.
Wheel drive mechanism, Front. R. A. and C. L. Schultz, and A. F. De Vriendt. 2,277,369; Mar. 24.
Winding. E. J. Abbott. 2,277,574; Mar. 24.
Window attachment. A. Santrey. 2,277,258; Mar. 24.
Window seat. M. Rosenblatt. 2,277,608; Mar. 24.
Wing construction, Aircraft. A. K. Rohrbach and A. Dorn. 2,277,456; Mar. 24.
Wiper, Window. E. J. Alpaugh. 2,277,195; Mar. 24.
Wire bending, clinching, and cutting tool. W. Medved. 2,277,343; Mar. 24.
Wire stitcher, Semiautomatic. P. E. Flowers and E. P. Crim. 2,277,218; Mar. 24.
Wire tying device for hay balers. L. G., G. H., and W. D. Everhart. 2,277,394; Mar. 24.
Wrapping, parcelling or boxing machine. D. W. Molins and A. Bingham. 2,277,408; Mar. 24.
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Double lock pipe wrench.
Wrench. L. E. Hewitt and T. V. Ellis. 2,277,400; Mar. 24.
Wrench. C. Saucedo. 2,277,026; Mar. 24.
X-ray dental film packet. S. A. Herman. 2,277,364; Mar. 24.
Yarn, Treating. C. A. Rudisill. 2,277,609; Mar. 24.

CLASSIFICATION OF PATENTS

ISSUED MARCH 24, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1942

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adams, Ramon F., doing business as Adams Candy Company, Dallas, Tex. Candy. Serial No. 440,229; Mar. 31. Class 46.

Air Reduction Sales Company, New York, N. Y. Periodical publication. Serial No. 447,531; Mar. 31. Class 38.

Allied Chemical & Dye Corporation, New York, N. Y. Chemical preparation for use in the vulcanization of rubber. Serial No. 450,610; Mar. 31. Class 6.

American Crayon Company, The, Sandusky, Ohio. Paint boxes, sets, trays, etc. Serial No. 449,950; Mar. 31. Class 16.

American Education Press, Inc., Columbus, Ohio. Supplement to a weekly periodical. Serial No. 440,306; Mar. 31. Class 38.

American Home Products Corporation, Jersey City, N. J. P-aminobenzoic acid. Serial Nos. 450,560–1; Mar. 31. Class 6.

American Safety Razor Corporation, Brooklyn, N. Y. Shaving brushes. Serial No. 445,678; Mar. 31. Class 29.

Arcady Farms Milling Company, Chicago, Ill. Livestock and poultry feed. Serial No. 447,776; Mar. 31. Class 46.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Advertising device for lipsticks. Serial No. 449,033; Mar. 31. Class 50.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline, furnace oils and fuel oils. Serial No. 446,646; Mar. 31. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. Serial No. 448,886; Mar. 31. Class 15.

Bierhaus, E., & Sons, Vincennes, Ind. Coffee. Serial No. 438,643; Mar. 31. Class 46.

Blea, Jacobo Bonifacio, doing business as California Pharmacal Company, Los Angeles, Calif. Insecticides. Serial No. 445,975; Mar. 31. Class 6.

Brewer & Company, Inc., Worcester, Mass. Capsules and enteric coated tablets. Serial No. 450,614; Mar. 31. Class 6.

Bridgeport Device Co., Inc., The, Bridgeport, Conn. Traction splints and traction applying attachments. Serial No. 450,301; Mar. 31. Class 44.

Brown Company, Berlin, N. H. Paper products. Serial No. 449,849; Mar. 31. Class 37.

Burneleit, Otto, Bloomfield, N. J. Gin. Serial No. 447,356; Mar. 31. Class 49.

Burpee, W. Atlee, Company, Philadelphia, Pa. Fertilizers, plant foods and garden foods. Serial No. 441,345; Mar. 31. Class 10.

California Pharmacal Company. (See Blea, Jacobo Bonifacio.)

Capachione Bros. & Co., Brockton, Mass. Celluloid-backed leather toplifts for shoes. Serial No. 450,353; Mar. 31. Class 39.

Carhoff Company, Cleveland Heights, Ohio. Preparation for use on glass, lenses, reflectors, etc. Serial No. 448,243; Mar. 31. Class 4.

Celanese Corporation of America, New York, N. Y. Chemical substance or mixture, used in gas filtering media, in the arts, etc. Serial No. 450,392; Mar. 31. Class 6.

Cerophyl Laboratories, Inc., Kansas City, Mo. Therapeutic vitamin preparation for pets. Serial No. 445,919; Mar. 31. Class 6.

Cerophyl Laboratories, Inc., Kansas City, Mo. Therapeutic vitamin preparation for pets. Serial No. 450,304; Mar. 31. Class 6.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Worsted fabrics and suitings. Serial No. 450,446; Mar. 31. Class 42.

Companhia Gessy S/A., Sao Paulo, Brazil, now by change of name Companhia Gessy Industrial. Pencil for make-up, perfumed oils, oils for the hair, etc. Serial No. 440,406; Mar. 31. Class 6.

Conover, Harry, New York, N. Y. Monthly, illustrated, fashion magazine. Serial No. 449,851; Mar. 31. Class 38.

Cooper-Wilford Beryllium, Ltd., Philadelphia, Pa. Castings, forgings, sheets, etc. of beryllium aluminum alloys. Serial No. 450,088; Mar. 31. Class 14.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 450,620; Mar. 31. Class 6.

Davis, Chauncey B., doing business as Chauncey B. Davis Manufacturing Co., Jackson, Miss. Hair dressing, pressing oil for use in hair dressing solid brilliantine, etc. Serial No. 448,189; Mar. 31. Class 6.

Day's Tailor-D Clothing, Inc., Tacoma, Wash. Piece goods of cotton, wool, etc. Serial No. 449,545; Mar. 31. Class 42.

Economy Auto Stores, Inc., Atlanta, Ga. Radiator caps, windshield wiper blades, etc. Serial No. 449,899; Mar. 31. Class 19.

Endo Products, Inc., New York, N. Y. Soluble form of para amino benzoic acid. Serial No. 450,848; Mar. 31. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Washing machines. Serial No. 448,000; Mar. 31. Class 24.

Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. Serial No. 445,412; Mar. 31. Class 46.

Fleetwings, Incorporated, Bristol, Pa. Monthly publication. Serial No. 450,357; Mar. 31. Class 38.

Florio, A., & Compañia, Buenos Aires, Argentina. Wines. Serial No. 443,122; Mar. 31. Class 47.

Ford Motor Company, Dearborn, Mich. Lighters for cigars and cigarettes. Serial No. 447,182; Mar. 31. Class 21.

Fox Head Waukesha Corporation, Waukesha, Wis. Ale. Serial No. 447,804; Mar. 31. Class 48.

Freydberg Bros., Inc., Stamford, Conn., and New York, N. Y. Ribbon manufactured from artificial fibers. Serial No. 448,823; Mar. 31. Class 7.

Frosst, Charles E., & Co., Montreal, Canada, and Richmond, Va. Preparation for the treatment of Vitamin K deficiency. Serial No. 450,198; Mar. 31. Class 6.

Gaines, M. Charles, New York, N. Y. Comic magazine. Serial No. 448,861; Mar. 31. Class 38.

General Electric Company, Schenectady, N. Y. Cabinets for electric control apparatus. Serial No. 450,448; Mar. 31. Class 21.

Gerson-Goodman-Tutelman Co., Philadelphia, Pa. Dress shirts and sport shirts. Serial No. 449,978; Mar. 31. Class 39.

Gilcrest Early Potato Association, Inc., Gilcrest, Colo. Potatoes. Serial No. 450,418; Mar. 31. Class 46.

Globe Aircraft Corporation, Fort Worth, Tex. Airplanes. Serial No. 449,261; Mar. 31. Class 19.

H-M Standard Products, Inc., Freeport, N. Y. Monthly publications, charts and booklets. Serial No. 446,779; Mar. 31. Class 38.

Hall, Milton, New York, N. Y. Locks and keys. Serial No. 450,180; Mar. 31. Class 25.

Herbst, John, doing business as Manor Glass Co., New York, N. Y. Glass figurines. Serial No. 449,206; Mar. 31. Class 50.

Herman, John C., & Co., New Cumberland, Pa. Tobacco. Serial No. 449,274; Mar. 31. Class 17.

Hettrick Manufacturing Company, The, Toledo, Ohio. Trousers, vests, capes, etc. Serial No. 449,904; Mar. 31. Class 39.

Hille Laboratories, Chicago, Ill. Colloidal gold and colloidal gold compounds for tuberculosis, syphilis, arthritis, etc. Serial No. 440,509; Mar. 31. Class 6.

Houston Sash & Door Company, Houston, Tex. Mill work and allied products. Serial No. 446,457; Mar. 31. Class 12.

Howard Preserving Company, Inc., Miami, Fla. Canned, bottled, and packaged preparation of which coconut is the principal ingredient. Serial No. 450,679; Mar. 31. Class 46.

Huffman Full Fashioned Mills, Inc., Morganton, N. C. Ladies' full fashion hosiery. Serial No. 449,521; Mar. 31. Class 39.

Isabelle Beautetics Company. (See Tillson, Royden H.)

Kedmont Manufacturing & Waterproofing Co. (See Van Wolf, A. F.)

Keyes Fibre Company, Waterville, Maine. Plates, dishes, trays, etc. Serial No. 450,280; Mar. 31. Class 2.

Klipstein, Tobias Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 450,542; Mar. 31. Class 39.

Krantz, Philip M., New York, N. Y. Women's and children's quilted vests and quilted jackets. Serial No. 448,295; Mar. 31. Class 39.

Lampert, Irving, doing business as Irving Lampert Co., Brooklyn, N. Y. Eyeglass lenses, spectacle lenses, gun sight lenses. Serial No. 450,310; Mar. 31. Class 26.

Ledogar, Hemphreys & Company, New York, N. Y. Toothbrushes. Serial No. 450,281; Mar. 31. Class 29.

Lehn & Fink Products Corporation, Bloomfield, N. J. Soap. Serial No. 450,105; Mar. 31. Class 4.

Lenox, Inc., Boston, Mass. Non-alcoholic beverages. Serial No. 441,579; Mar. 31. Class 45.

Leonard, John H., doing business as Leonard Laboratories, Merkel, Tex. Salve. Serial No. 443,366; Mar. 31. Class 6.

Lerer, Henry, doing business as Medical Aid Supply Company, New York, N. Y. First aid kits and bandages. Serial No. 450,596; Mar. 31. Class 44.

Liska, Rudolph, & Sons, Inc., Chicago, Ill. Whiskies, cordials, liqueurs and gins. Serial No. 449,865; Mar. 31. Class 49.

Lombardy Wine Corp. of New York, New York, N. Y. Wines. Serial No. 433,689; Mar. 31. Class 47.

Lowenstein, B., & Bros. Inc., Memphis, Tenn. Men's suits and overcoats. Serial No. 450,016; Mar. 31. Class 39.

Manor Glass Co. (See Herbst, John.)
Marlboro Shirt Company, Inc., Baltimore, Md. Dress and sport shirts, jackets and coats, etc. Serial No. 450,652; Mar. 31. Class 39.
Marshall Field & Company, Chicago, Ill. Coats, capes, dresses, etc. Serial No. 449,571; Mar. 31. Class 39.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Preparation for the relief of burns, prickly heat, sunburn, etc. Serial No. 413,589; Mar. 31. Class 6.
Medical Aid Supply Company. (See Lerer, Henry.)
Mercury Corporation, The, Kansas City, Mo. Refinishing compound for fabrics. Serial No. 449,620; Mar. 31. Class 16.
Neponset Woolen Mills, Incorporated, New York, N. Y., and Canton, Mass. Woolen piece goods. Serial No. 449,239; Mar. 31. Class 42.
Noiseless Window Company. (See Santrey, Adell.)
Old Colonel Distillery, Louisville, Ky. Whiskey. Serial No. 447,401; Mar. 31. Class 49.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of syphilitic and related types of infections. Serial No. 450,490; Mar. 31. Class 6.
Plano Packing House Company, Porterville, Calif. Fresh citrus fruits. Serial No. 450,861; Mar. 31. Class 46.
Post, Roy, New York, N. Y. Printed cards. Serial No. 450,458; Mar. 31. Class 38.
Press Alliance, Inc., New York, N. Y. Syndicated articles appearing in daily newspaper. Serial No. 449,554; Mar. 31. Class 38.
Prime Manufacturing Company, The, Milwaukee, Wis. Fence controllers. Serial Nos. 450,427–8; Mar. 31. Class 21.
Quaker Oats Company, The, Chicago, Ill. Soup mixtures. Serial No. 450,247; Mar. 31. Class 46.
Quinn, K. J., & Co. Inc., Boston, Mass. Leather cleaning and polishing preparation. Serial No. 450,000; Mar. 31. Class 4.
RCA Manufacturing Company, Inc., Camden, N. J. Furniture polish, and refinishing and polishing kits, etc. Serial No. 445,298; Mar. 31. Class 16.
RCA Manufacturing Company, Inc., Camden, N. J. Refrigerators, parts thereof, and accessories therefor. Serial No. 449,807; Mar. 31. Class 31.
Redwood Garden Materials Company. (See Rose, Clinton F.)
Reeves Brothers, Inc., New York, N. Y. Gabardine piece goods. Serial No. 449,919; Mar. 31. Class 42.
Reeves Brothers. Inc., New York, N. Y. Poplin cloth. Serial No. 449,920; Mar. 31. Class 42.
Republic Steel Corporation, Cleveland, Ohio. Ferrous metal sheet, strip, and plate. Serial No. 439,878; Mar. 31. Class 14.
Rohm & Haas Company, Philadelphia, Pa. Chemical composition to be used as and emulsifying, spreading, sticking, etc. Serial No. 450,744; Mar. 31. Class 6.
Ro-Nat Sportwear, Inc., New York, N. Y. Sweaters and sweater ensembles. Serial No. 449,982; Mar. 31. Class 39.
Rose, Clinton F., doing business as Redwood Garden Materials Company, Los Angeles, Calif. Statues and figures. Serial No. 443,703; Mar. 31. Class 50.
Rose, Jay, New York, N. Y. Chemical preparations for cleaning painted surfaces. Serial No. 449,296; Mar. 31. Class 4.
Rosenlund, Edwin J., doing business as Snax Stix, Spokane, Wash. Meat product fried in deep fat, and a mix or batter for making same. Serial No. 447,408; Mar. 31. Class 46.
Rumford Publishing Company, The, Rumford, Maine. Monthly publication. Serial No. 450,116; Mar. 31. Class 38.
Rush, Fred W., doing business as Fred W. Rush Co., Los Angeles, Calif. Fresh vegetables. Serial No. 450,944; Mar. 31. Class 46.
S. R. L. Manufacturing Co., Los Angeles, Calif. Sportswear for men, women and children. Serial No. 440,997; Mar. 31. Class 39.
Saks & Company, New York, N. Y. Dresses, coats and suits. Serial No. 450,696; Mar. 31. Class 39.
Sanchez Romate Hermanos, S. A., Jerez de la Frontera, Spain. Wines. Serial No. 439,075; Mar. 31. Class 47.
Sanchez Romate Hermanos, S. A., Jerez de la Frontera, Spain. Wines. Serial No. 439,078–9; Mar. 31. Class 47.
Santrey, Adell, doing business as Noiseless Window Company, New York, N. Y. Lubricating oil. Serial No. 449,215; Mar. 31. Class 15.
Schmidt, Jacob, Brewing Co., St. Paul, Minn. Beer. Serial No. 449,467; Mar. 31. Class 48.
Semtex Limited, Reading, England. Compositions of cement and latex. Serial No. 446,469; Mar. 31. Class 5.
Servisoft, Inc., Rockford, Ill. Tank type water softeners. Serial No. 426,231; Mar. 31. Class 13.
Servisoft, Inc., Rockford, Ill. Tank type water softeners. Serial No. 426,348; Mar. 31. Class 13.
Snax Stix. (See Rosenlund, Edwin J.)
Sports Vogue, New York, N. Y. Women's apparel. Serial No. 449,113; Mar. 31. Class 39.
Staffel, Ferd Co., San Antonio, Tex. Medicinal preparation. Serial No. 450,348; Mar. 31. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Corn starch. Serial No. 445,618; Mar. 31. Class 46.
Stanard-Tilton Milling Co., St. Louis, Mo. Wheat flour. Serial No. 450,868; Mar. 31. Class 46.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils and greases. Serial No. 442,880; Mar. 31. Class 15.
Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruits. Serial No. 450,292; Mar. 31. Class 46.
Starr, A., & Company, New York, N. Y. Men's and boys' sport jackets, raincoats, golf jackets. Serial No. 450,431; Mar. 31. Class 39.
Studart & Cia, Rio de Janeiro, Brazil. Toilet cosmetic. Serial No. 442,807; Mar. 31. Class 6.
Sunday Creek Coal Company, The, Columbus, Ohio. Coal. Serial Nos. 448,345–6; Mar. 31. Class 1.
Tillson, Royden H., doing business as Isabelle Beautetics Company, St. Louis, Mo. Cosmetic and toilet creams and lotions. Serial No. 438,493; Mar. 31. Class 6.
Tobin Packing Company Incorporated, The, Fort Dodge, Iowa. Meat products. Serial No. 450,005; Mar. 31. Class 46.
Traband, Louis C., doing business as Louis C. Traband Company, East St. Louis, Ill. Disinfectants, insect exterminators, stock dip and chemical solution for cleaning pipes. Serial No. 448,743; Mar. 31. Class 6.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. Serial No. 450,634; Mar. 31. Class 43.
Undertakers Supply Company, Chicago, Ill. Embalming fluid. Serial No. 447,034; Mar. 31. Class 6.
Universal Dental Company, Philadelphia, Pa. Dental supplies. Serial No. 450,524; Mar. 31. Class 44.
Upjohn Company, The, Kalamazoo, Mich. Periodical magazine. Serial No. 450,635; Mar. 31. Class 38.
Utilities Distributors, Inc., Portland, Maine. Bottled gas installation housing and equipment units. Serial No. 445,675; Mar. 31. Class 34.
Valentine Laboratories, Inc., Chicago, Ill. Tooth paste. Serial No. 449,946; Mar. 31. Class 6.
Van Wolf, A. F., doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill. Material to be added to a concrete mix. Serial No. 448,020; Mar. 31. Class 12.
Vitabuoy Products Limited, London, England. Life saving coats, jackets, waistcoats, vests, etc. Serial No. 447,964; Mar. 31. Class 39.
Yoo-Hoo Co., St. Louis, Mo. Ice cream confections. Serial No. 446,824; Mar. 31. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abingdon-Cokesbury Press. (See Book Agents of the Methodist Episcopal Church, South.)
Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 156,605; renewed July 11, 1942.
Acme Shear Company, The, Bridgeport, Conn. Scissors, shears, and weaver's snippers. 394,416; Mar. 31. Class 23.
Agar Manufacturing Corporation, Brooklyn, assignor to International Paper Company, New York, N. Y. Corrugated shipping containers. 154,213; renewed Apr. 11, 1942.
All-American Athletic Association, The, New York, N. Y. Periodical. 394,274; Mar. 31; Serial No. 444,030; published Jan. 13, 1942. Class 38.
Allen & Howe, Yuma, Ariz. Melons and vegetables. 394,425; Mar. 31. Class 46.
American Chemical Company, Inc., Chicago, Ill. Synthetic organic chemical used as an anthelmintic or vermifuge and urinary antiseptic for animals and poultry. 394,349; Mar. 31; Serial No. 448,687; published Jan. 13, 1942. Class 6.
American Metal Polish Co., Somerville, assignor to American Metal Polish Corporation, Boston, Mass. Metal polish. 155,597; renewed June 6, 1942.
American Mineral Spirits Company, Chicago, Ill. Mixture of low boiling hydrocarbons suitable for use in rotogravure inks. 394,259; Mar. 31; Serial No. 439,917; published Jan. 20, 1942. Class 11.
Ampco Manufacturing Company. (See Bales, Janet M.)
Apollo Studios. (See Rice's, Bernard, Sons, Inc.)
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes. 394,308; Mar. 31; Serial No. 447,967; published Jan. 13, 1942. Class 6.
Arlington Manufacturing Company, The, Arlington, N. J., and New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Material composed wholly or in part of pyroxyline or its compounds. 20,852; re-renewed Mar. 15, 1942.
Artloom Corporation, Philadelphia, Pa. Carpets and rugs. 394,352–3; Mar. 31; Serial Nos. 448,813–14; published Jan. 13, 1942. Class 42.
Aspinook Corporation, The, Jewett City, Conn. All cotton, all rayon, and combinations of cotton and rayon, cotton and acetate. 394,342; Mar. 31; Serial No. 448,543; published Jan. 13, 1942. Class 42.
Aurora Products Corporation, The, Cleveland, Ohio. Skin lotion. 394,313; Mar. 31; Serial No. 448,071; published Jan. 13, 1942. Class 6.

Automotive Fact Finder Co., Los Angeles, Calif. Chart relative to automotive industry. 394,396; Mar. 31. Class 38.
Auto-Vehicle Parts Company, The, Cincinnati, Ohio, to The Auto-Vehicle Parts Company, Newport, Ky. Nails and tacks. 157,453; renewed Aug. 8, 1942.
Avery, B. F., & Sons Company, Louisville, Ky. Tractors and tractor drawn agricultural implements. 394,409-10; Mar. 31. Class 23.
Bales, Janet M., doing business as Ampco Manufacturing Company, Hollywood, Calif. Flush tank silencer. 394,339; Mar. 31; Serial No. 448,406; published Jan. 20, 1942. Class 13.
Barnett Canvas Goods & Bag Co., Inc., Philadelphia, Pa. Canvas tents and canvas covers etc. 156,995; renewed July 25, 1942.
Bendix Aviation Corporation, South Bend, Ind. Vehicle braking units. 394,268; Mar. 31; Serial No. 442,776; published Jan. 20, 1942. Class 19.
Benfu Lotion Co., New York, N. Y. Scalp lotion and shampoo. 394,381; Mar. 31; Serial No. 449,201; published Jan. 13, 1942. Class 6.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 394,344; Mar. 31; Serial No. 448,597; published Jan. 13, 1942. Class 42.
Bond Novelty Co. Inc., New York, N. Y. Ladies' blouses. 394,394; Mar. 31. Class 39.
Book Agents of the Methodist Episcopal Church, South, doing business as Abingdon-Cokesbury Press, Nashville, Tenn. Books, pamphlets, and magazines. 394,407; Mar. 31. Class 38.
Borden Company, The. (See Merrell-Soule Company, assignor.)
Bourjois, A., & Co. Inc., assignor to Bourjois, Inc., New York, N. Y. Soaps. 157,646; renewed Aug. 15, 1942.
Bowyer, Ambrose, Chicago, Ill. Periodicals. 157,464; renewed Aug. 8, 1942.
Buckeye Brass and Manufacturing Co., The, Cleveland, Ohio. Bearings and bushings. 157,016; renewed July 25, 1942.
Bush Aromatics, Inc., New York, N. Y. Perfumes, and natural and synthetic essential oils. 394,360; Mar. 31; Serial No. 448,900; published Jan. 20, 1942. Class 6.
Caerlee Mills Knitting Co. Limited, The, Peebles, Scotland. Sweaters, jerseys, cardigan jackets, etc. 394,269; Mar. 31; Serial No. 443,153; published Jan. 6, 1942. Class 39.
Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. 394,310–11; Mar. 31; Serial Nos. 448,035–6; published Jan. 20, 1942. Class 21.
Celanese Corporation of America, New York, N. Y. Yarns. 394,299; Mar. 31; Serial No. 447,684; published Dec. 23, 1941. Class 43.
Celanese Corporation of America, New York, N. Y. Yarns. 394,312; Mar. 31; Serial No. 448,037; published Dec. 23, 1941. Class 43.
Certain Hair Preparations. (See Ramsey, Louise G.)
Chapman, Zeph S., Los Angeles, Calif. Preparation of chemicals used for the extinguishment of magnesium fires. 394,295; Mar. 31; Serial No. 447,584; published Jan. 13, 1942. Class 6.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods of silk and silk mixtures. 394,300; Mar. 31; Serial No. 447,693; published Jan. 6, 1942. Class 42.
Cherry Blossom Mfg. Co., Newton, Iowa, to Cherry Blossom Manufacturing Company, St. Louis, Mo. Fruit juice beverages and sirups. 153,988; renewed Apr. 4, 1942.
Chicago Sun, The, Chicago, Ill. Newspaper. 394,366; Mar. 31; Serial No. 449,001; published Jan. 20, 1942. Class 38.
Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation used in heart affections. 394,354; Mar. 31; Serial No. 448,819; published Jan. 13, 1942. Class 6.
Cleveland, Clarence E., Reading, Vt. Friction pad for use in tightening or loosening parts threaded or otherwise frictionally held together. 394,330; Mar. 31; Serial No. 448,218; published Jan. 20, 1942. Class 50.
Cohen Bros. Dresses Inc., Boston, Mass. Ladies' and misses' dresses and dress ensembles. 394,402; Mar. 31. Class 39.
Cohn & Rosenberger Inc., New York, N. Y. Necklaces, and bracelets, finger rings, etc. 394,408; Mar. 31. Class 28.
Collegiate Manufacturing Company, Inc., New York, N. Y. Women's slips. 394,346; Mar. 31; Serial No. 448,632; published Jan. 13, 1942. Class 39.
Colton Press, Inc., New York, N. Y. Publications. 394,417; Mar. 31. Class 38.
Comfy Manufacturing Company, The, Baltimore, Md. Textile slipcovers for upholstered furniture. 394,367; Mar. 31; Serial No. 449,002; published Jan. 20, 1942. Class 32.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Natural mineral waters, non-alcoholic maltless beverages, syrups and extracts for making soft drinks. 394,278; Mar. 31; Serial No. 445,130; published Jan. 13, 1942. Class 45.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Wines and aperitive wines. 394,279; Mar. 31; Serial No. 445,131; published Jan. 13, 1942. Class 47.
Companhia Antarctica Paulista, Sao Paulo, Brazil. Whiskies, brandies, gins, rums, etc. 394,280; Mar. 31; Serial No. 445,132; published Jan. 13, 1942. Class 49.
Compo Shoe Machinery Corporation, Boston, Mass. Chemical preparation. 394,421; Mar. 31. Class 6.
Co-Operative Feed Dealers, Inc., Binghamton, N. Y. Wheat germ oils to be mixed with animal foods. 394,276; Mar. 31; Serial No. 444,256; published Jan. 13, 1942. Class 6.
Cosmata, Inc., Long Island City, N. Y. Soap. 394,373; Mar. 31; Serial No. 449,040; published Jan. 20, 1942. Class 4.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. 394,380–1; Mar. 31; Serial Nos. 449,129–30; published Jan. 13, 1942. Class 6.
Crestwood Publishing Co., Inc., New York, N. Y. Periodical publication. 394,287; Mar. 31; Serial No. 446,995; published Jan. 13, 1942. Class 38.
Dairy Association Company, Inc., Lyndonville, Vt. Composition of poke root and salt petre. 394,332; Mar. 31; Serial No. 448,285; published Jan. 20, 1942. Class 6.
Davies-Young Soap Company, The, Dayton, Ohio. Soap and cleansers. 157,661; renewed Aug. 15, 1942.
Davies-Young Soap Company, The, Dayton, Ohio. Wet-cleaning soap. 157,662; renewed Aug. 15, 1942.
Decorators Wall Paper Co., St. Louis, Mo. Merchandise premium catalogues. 394,270; Mar. 31; Serial No. 443,323; published Jan. 20, 1942. Class 38.
De La Salle Institute, Napa, Calif. Brandy. 394,283; Mar. 31; Serial No. 446,315; published Jan. 13, 1942. Class 49.
De-Raef Corporation. (See Kennedy, N. A., Supply Co.)
Diamond Match Company, The, Chicago, Ill., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Matches. 152,747; renewed Mar. 7, 1942.
Diversey Corporation, The, Chicago, Ill. Disinfectant compound. 394,386; Mar. 31. Class 6.
Doleith, Inc., Chicago, Ill. Preparation for application to the human body to reduce sun burning and to accelerate sun tanning. 394,398; Mar. 31. Class 6.
Doniger, David D., & Co., New York, N. Y. Slacks, sports shirts, combination slacks and shirts, etc. 394,309; Mar. 31; Serial No. 447,977; published Jan. 13, 1942. Class 39.
"Dri-Gas" Fire Extinguisher Co., Lake City, Fla. Fire extinguishing chemicals. 394,415; Mar. 31. Class 6.
Duffy-Mott Company, Inc., New York, N. Y. White distilled vinegar, jelly, and marmalade. 394,314; Mar. 31; Serial No. 448,077; published Jan. 20, 1942. Class 46.
Duggan's Ltd., Jersey City, N. J. Rum. 394,412; Mar. 31. Class 49.
Du Pont, E. I., de Nemours and Company. (See Arlington Manufacturing Company, The, assignor.)
Elder & Johnston Company, The, Dayton, Ohio. Men's outer shirts. 394,338; Mar. 31; Serial No. 448,363; published Dec. 30, 1941. Class 39.
Electrical Engineers Equipment Company, Chicago, to Electrical Engineers Equipment Company, Melrose Park, Ill. Disconnecting switches, lightning arresters, etc. 156,664; renewed July 11, 1942.
Ellison Insulations Limited, Perry Barr, Birmingham, England. Materials made wholly or in part of synthetic resinoids and sold in form of sheets, blocks, tubes, etc. 394,275; Mar. 31; Serial No. 444,139; published Oct. 7, 1941. Class 1.
Embalmers' Supply Company, The, Westport, Conn. Embalming fluid. 394,423; Mar. 31. Class 6.
Embalmers' Supply Company, The, Westport, Conn. Cosmetics. 394,424; Mar. 31. Class 6.
Emery Industries, Inc., Cincinnati, Ohio. Hydrogenated marine oil fatty acids. 394,272; Mar. 31; Serial No. 443,487; published Jan. 13, 1942. Class 6.
Emery Industries, Inc., Cincinnati, Ohio. Fat splitting reagents and saponifiers. 394,273; Mar. 31; Serial No. 443,488; published Jan. 13, 1942. Class 6.
Enteco Camera Accessories, New York, N. Y. Camera accessories. 394,333; Mar. 31; Serial No. 448,288; published Jan. 20, 1942. Class 26.
Ernst, George, doing business as Ernst Water Column & Gage Co., Livingston, N. J. Liquid level gages, gage glasses, etc. 394,389; Mar. 31. Class 26.
Federal Gauge Company, The, assignor to The Mercoid Corporation, Chicago, Ill. Circuit-controlling and pressure-controlling devices, and mercury tubes. 156,669; renewed July 11, 1942.
Flah & Co., Inc., Syracuse, N. Y. Sweaters, skirts, blouses, etc. 394,284; Mar. 31; Serial No. 446,321; published Jan. 6, 1942. Class 39.
Fleischmann, E. M., Distilling Corp., Lansdowne and Baltimore, Md. Whiskey. 394,397; Mar. 31. Class 49.
Free-Action Back Company, Philadelphia, Pa. Uniforms. 394,405; Mar. 31. Class 39.
Fuller, Mark J., Villa Park, Ill. Electrical apparatus. 394,401; Mar. 31. Class 26.
Gamboa, Inc., New York, N. Y. Perfume. 394,368; Mar. 31; Serial No. 449,006; published Jan. 13, 1942. Class 6.

Goldsmith Bros., New York, N. Y. Canvas panels and roll canvas. 394,262; Mar. 31; Serial No. 442,163; published Jan. 20, 1942. Class 50.

Green & Green Inc., Houston, Tex., assignor to R. H. Green, A. M. Green, and J. B. Green, a partnership doing business as Green & Green. Beverage and syrups and concentrates for making same. 394,251; Mar. 31; Serial No. 424,040; published Feb. 20, 1940. Class 45.

Grillo, Nicola, Brooklyn, N. Y. Blend of vegetable oil and olive oils. 394,294; Mar. 31; Serial No. 447,529; published Jan. 20, 1942. Class 46.

Hardright Company, The, to The Hardright Corporation, Belleville, N. J., successor. Lather brushes. 152,420; renewed Feb. 28, 1942.

Harrisburg Engineering Company, Fort Worth, Tex. Slush pump liners, slush pump rods and unions. 394,264; Mar. 31; Serial No. 442,526; published Jan. 6, 1942. Class 23.

Haskell, Charles C., & Co., Inc., Richmond, Va. Analgesic sedative tablets. 394,361; Mar. 31; Serial No. 448,792; published Jan. 20, 1942. Class 6.

Haskell, Charles C., & Co. Inc., Richmond, Va. Ointment for the treatment of cutaneous infections. 394,374; Mar. 31; Serial No. 449,047; published Jan. 13, 1942. Class 6.

Heidelberger Confectionery Co., Philadelphia, Pa. Candies. 157,681; renewed Aug. 15, 1942.

Henderson, Robert H., doing business as Henderson Electric Co., Ampere, N. J. Pipe-bending tools. 154,967; renewed May 16, 1942.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Perfume and toilet water, face powder, and lipstick. 394,361; Mar. 31; Serial No. 448,906; published Jan. 13, 1942. Class 6.

Her Majesty Underwear Company, Philadelphia, Pa., and New York, N. Y. Underwear, slips, panties, bloomers, etc. 394,285; Mar. 31; Serial No. 446,874; published Jan. 13, 1942. Class 39.

Hirsch, S. H. (See Henry, Sidney.)

Hobbs, Dorothy, Inc., New York, N. Y. Dresses, coats, skirts, etc. 394,395; Mar. 31. Class 39.

Hollmann, Frank H., Warrentown, Mo. Periodical. 394,418; Mar. 31. Class 38.

Houbigant, Inc., New York, N. Y. Perfume and toilet water. 394,399; Mar. 31. Class 6.

House of Tre-Jur, Inc., New York, N. Y. Toilet water, perfume, bath powder, talcum powder, sachet powder, etc. 394,343; Mar. 31; Serial No. 448,559; published Jan. 13, 1942. Class 6.

Import Paper Company, Chicago, Ill. Writing paper. 157,985–6; renewed Aug. 22, 1942.

International Paper Company. (See Agar Manufacturing Corporation, assignor.)

Irving, James. (See Mirsky, Israel M., assignor.)

Jaffe, Jacob, doing business as Jaffe Bros., Philadelphia, Pa. Suits, vests, and pants. 394,383; Mar. 31. Class 39.

Jameson, Charles F., Boston, to C. F. Jameson, Haverhill, Mass. Chemically treated cloth. 155,728; renewed June 6, 1942.

Johnson, John O., assignor, by mesne assignments, to J. Oliver Johnson Seed Company, Chicago, Ill. Lawn grass seed. 155,992; renewed June 13, 1942.

Keith Paper Company, Turners Falls, Mass. Writing and printing paper. 394,362; Mar. 31; Serial No. 448,910; published Jan. 20, 1942. Class 37.

Kennedy, N. A., Supply Co., to De-Raef Corporation, Kansas City, Mo., successor. Weighing scales. 153,772; renewed Mar. 28, 1942.

Knack, Harold J., Detroit, Mich. Soot destroyer bricks. 394,266; Mar. 31; Serial No. 442,596; published Jan. 13, 1942. Class 6.

Knight, Maurice A., East Akron, to Maurice A. Knight, Akron, Ohio. Acid-proof chemical stoneware. 155,468; renewed May 30, 1942.

Kroywen Coats, New York, N. Y. Ladies' coats. 394,422; Mar. 31. Class 39.

Labrador Fur Corporation, New York, N. Y. Fur coats made of Persian lamb and Persian lamb paws. 394,292; Mar. 31; Serial No. 447,211; published Dec. 30, 1941. Class 39.

Laros Textiles Company, Bethlehem, Pa. Women's slips. 394,420; Mar. 31. Class 39.

Levy, Maurice, doing business as Renoir Perfumer, New York, N. Y. Perfume. 394,363; Mar. 31; Serial No. 448,946; published Jan. 13, 1942. Class 6.

Litt and Company, New York, N. Y. Ladies' dresses. 394,387; Mar. 31. Class 39.

Lloyd, E. E., Paper Company, Chicago, Ill. Writing paper. 154,999; renewed May 16, 1942.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. 394,315; Mar. 31; Serial No. 448,143; published Jan. 20, 1942. Class 1.

Lockport Cotton Batting Co. Lockport, N. Y. Cotton batting or cotton batts. 394,316–21; Mar. 31; Serial Nos. 448,145–50; published Jan. 20, 1942. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. 394,322; Mar. 31; Serial No. 448,153; published Jan. 20, 1942. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting or cotton batts. 394,323; Mar. 31; Serial No. 448,156; published Jan. 20, 1942. Class 1.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton batting. 394,324–6; Mar. 31; Serial No. 448,158–60; published Jan. 20, 1942. Class 1.

Look, Inc., Des Moines, Iowa. Section of a magazine. 394,303; Mar. 31; Serial No. 447,748; published Jan. 6, 1942. Class 38.

Lorillard, P., Company, New York, N. Y. Cheroots. 394,336; Mar. 31; Serial No. 448,324; published Jan. 20, 1942. Class 17.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 394,328; Mar. 31; Serial No. 448,195; published Jan. 20, 1942. Class 46.

M & R Dietetic Laboratories, Inc., doing business as Tan-B-Low Company, Columbus, Ohio. Condensed milk preparation for use in making ice cream and frozen desserts. 394,296; Mar. 31; Serial No. 447,613; published Jan. 20, 1942. Class 46.

Manischewitz, B., Company, The, Jersey City, N. J., and Cincinnati, Ohio. Crackers or biscuits. 394,250; Mar. 31; Serial No. 415,405; published July 11, 1939. Class 46.

Marshall Field & Company, Chicago, Ill. Shirts and sleeping pajamas. 394,302; Mar. 31; Serial No. 447,728; published Jan. 13, 1942. Class 39.

Martin, L., Company, Inc., The, New York, N. Y. Lampblack for use as a paint pigment. 394,369; Mar. 31; Serial No. 449,012; published Jan. 20, 1942. Class 16.

Martin, L., Company, Inc., The, New York, N. Y. Lampblack. 394,370; Mar. 31; Serial No. 449,013; published Jan. 13, 1942. Class 6.

McCallum, J. & J., Limited, Manchester, England, and Paisley, Scotland. Yarns. 394,411; Mar. 31. Class 43.

McMullin, James E., & Sons, Sparta, Ga. Blood tonic. 394,282; Mar. 31; Serial No. 446,237; published Jan. 13, 1942. Class 6.

Melbourne Yarn Co., Ltd., New York, N. Y. Woolen yarns. 394,298; Mar. 31; Serial No. 447,636; published Dec. 30, 1941. Class 43.

Mercoid Corporation, The. (See Federal Gauge Company, The, assignor.)

Merrell-Soule Company, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Powdered milk. 157,714; renewed Aug. 15, 1942.

Merrill, Wm. S., Company, The, Cincinnati, Ohio. Polyvitamin tablets. 394,355; Mar. 31; Serial No. 448,831; published Jan. 13, 1942. Class 6.

Miner, Read & Tulock, Inc., New Haven, Conn. Canned vegetables—namely, canned pumpkin. 394,252; Mar. 31; Serial No. 428,082; published Jan. 20, 1942. Class 46.

Minnesota Mining & Manufacturing Company. (See Wausau Abrasives Company, assignor.)

Mirsky, Israel M., Milwaukee, Wis., to James Irving, Des Plaines, Ill., successor. Underwear and hosiery. 149,169; renewed Dec. 6, 1941.

Montana Flour Mills Company, Great Falls, Mont. Wheat flour. 394,371; Mar. 31; Serial No. 449,015; published Jan. 20, 1942. Class 46.

Morse & Morse, Los Angeles, Calif. Ladies' underwear—namely, panties. 394,329; Mar. 31; Serial No. 448,200; published Dec. 23, 1941. Class 39.

Myrtle Knitting Mills, Incorporated, Unionville, Conn. Jackets. 394,258; Mar. 31; Serial No. 439,761; published Jan. 6, 1942. Class 39.

Nason, R. N., & Co., San Francisco, Calif. Adhesive of low tension type for use in producing stenciled designs. 394,400; Mar. 31. Class 5.

National Carbon Company, Inc., New York, N. Y. Aprons, raincoats, and make-up capes. 394,331; Mar. 31; Serial No. 448,225; published Dec. 23, 1941. Class 39.

National Orange Products, Inc., Chicago, Ill. Non-alcoholic maltless beverages, and syrups and extracts. 394,261; Mar. 31; Serial No. 440,424; published May 13, 1941. Class 45.

National Refining Company, The, Cleveland, Ohio. Flushing oil. 394,358; Mar. 31; Serial No. 448,870; published Jan. 13, 1942. Class 15.

Nestle's Food Company, Inc., New York, N. Y., by change of name to Nestle's Milk Products, Inc. Ice cream. 157,724; renewed Aug. 15, 1942.

Newark Cheese Co., Inc., New York, N. Y. Cheese spread. 394,382; Mar. 31; Serial No. 449,209; published Jan. 20, 1942. Class 46.

New York Evening Journal, Inc., New York, N. Y. Newspaper section or department. 394,356; Mar. 31; Serial No. 448,835; published Jan. 20, 1942. Class 38.

Niles-Bement-Pont Company. (See Pratt & Whitney Company, assignor.)

North American Aviation, Inc., Inglewood, Calif. Periodical. 394,306; Mar. 31; Serial No. 447,849; published Jan. 6, 1942. Class 38.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetics. 394,347; Mar. 31; Serial No. 448,648; published Jan. 13, 1942. Class 6.

Old Colony Company, The, Bridgeport, Conn. Brandy. 394,289; Mar. 31; Serial No. 447,073; published Jan. 13, 1942. Class 49.

Orange-Crush Company, Chicago, Ill. Maltless beverages and concentrates and compounds for making the same. 394,359; Mar. 31; Serial No. 448,872; published Jan. 20, 1942. Class 45.

Owen, Cliff C., doing business as Owen Drug Products, Salisbury, N. C. Preparation for the treatment of coughs and colds. 394,364; Mar. 31; Serial No. 448,948; published Jan. 20, 1942. Class 6.

Pearson, Leon M., Washington, D. C. News columns and special articles. 394,337; Mar. 31; Serial No. 448,332; published Jan. 6, 1942. Class 38.

Pet Milk Company, St. Louis, Mo. Whole milk powder. 394,265; Mar. 31; Serial No. 442,562; published Jan. 20, 1942. Class 46.

Pfingst, Henry C., Louisville, Ky. Ash trays. 394,414; Mar. 31. Class 8.

Pioneer Manufacturing Company, The, Cleveland, Ohio. Sweeping compound. 157,743; renewed Aug. 15, 1942.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paint, paint primers, varnishes, etc. 394,375–6; Mar. 31; Serial Nos. 449,100–1; published Jan. 20, 1942. Class 16.

Please U Film Service, La Crosse, Wis. Printed photographs and photographic prints. 394,253; Mar. 31; Serial No. 433,306; published Jan. 13, 1942. Class 38.

Plough Chemical Company, assignor to Plough, Inc., Memphis, Tenn. Toilet preparation. 155,508; renewed May 30, 1942.

Polar Salve Company, New York, N. Y., to Polar Salve Company, Randolph, Mass. Salve. 152,255; renewed Feb. 21, 1942.

Pollock, John R., Cedar Springs, Mich. Underwear for men, women and children. 394,385; Mar. 31. Class 39.

Portland Cordage Company, The, Portland, Oreg. Manila rope. 155,052; renewed May 16, 1942.

Pratt & Whitney Company, New York, N. Y., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Dimension gauges and attachments therefor. 154,368; renewed Apr. 11, 1942.

Princess Pecans, Inc., Camilla, Ga. Weekly publication of recipes for various food dishes. 394,391; Mar. 31. Class 38.

Printz-Biederman Company, The, Cleveland, Ohio. Women's, misses', juniors', teens', and children's wearing apparel. 394,293; Mar. 31; Serial No. 447,404; published Jan. 13. Class 39.

Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. 394,392; Mar. 31. Class 39.

Pugh, Charles H., Limited, Birmingham, England. Lawn mowers. 153,828; renewed Mar. 28, 1942.

Pumicite Company, The, St. Louis, Mo. Dog food minerals. 394,256; Mar. 31; Serial No. 437,878; published Jan. 20, 1942. Class 6.

Railway Maintenance Devices. (See Welch, Charles L. J.)

Ramsey, Louise G., doing business as Certain Hair Preparations, Gary, Ind. Hair preparation. 394,307; Mar. 31; Serial No. 447,952; published Jan. 13, 1942. Class 6.

Renoir Perfumer. (See Levy, Maurice.)

Rhodes Plastic Products, Inc., New York, N. Y. Garment hangers. 394,301; Mar. 31; Serial No. 447,712; published Jan. 20, 1942. Class 50.

Rice's, Bernard, Sons, Inc., doing business as Apollo Studios and Apollo Silver Company, New York, N. Y. Sterling silver ware and silver and gold-plated hollowware, table-ware, etc. 394,263; Mar. 31; Serial No. 442,179; published Jan. 20, 1942. Class 28.

Rigidtest Products, Inc., Chicago, Ill. Antiseptic and bactericidal preparations. 394,304; Mar. 31; Serial No. 447,767; published Jan. 13. Class 6.

Riverbank Canning Company. (See Zerillo, Lorenzo.)

Rose Brothers, New York, N. Y. Topcoats. 394,341; Mar. 31; Serial No. 448,460; published Jan. 13, 1942. Class 39.

Rytex Company, The, Indianapolis, Ind. Writing paper and envelopes. 394,305; Mar. 31; Serial No. 447,827; published Jan. 20. Class 37.

Sacks, Joseph A. (See Whitehead, Daisy, Knitting Co., assignor.)

St. John, Sylvester L., Mansfield, Mass. Machinery for decorating ramie and other fiber bearing materials. 394,281; Mar. 31; Serial No. 445,510; published Jan 20, 1942. Class 23.

Sams, James A., Schenectady, N. Y. Electric razor sharpeners. 394,384; Mar. 31. Class 23.

Sardamack Fisheries, Inc., Wilmington, Calif. Canned fish. 394,365; Mar. 31; Serial No. 448,955; published Jan. 20, 1942. Class 46.

Schneider, Carl, Nutley, to Carl Schneider, Newfield, N. J. Valves, siphons, cocks, etc. 152,496; renewed Feb. 28, 1942.

Scully Signal Company, Cambridge and East Cambridge, Mass. Anti-siphoning theft guards for partially obstructing vehicle tank filler pipes. 394,290; Mar. 31; Serial No. 447,109; published Jan. 20, 1942. Class 19.

Sears, Roebuck and Co., Chicago, Ill. Silks in the piece. 154,149; renewed Apr. 4, 1942.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations used as biological stimulants for glandular activity, etc. 394,255; Mar. 31; Serial No. 437,484; published Jan. 13, 1942. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Substances causing cellular stimulation, hormones, and preparations containing hormones, etc. 394,377; Mar. 31; Serial No. 449,105; published Jan. 13, 1942. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for treatment of conditions resulting from metabolic deficiencies, etc. 394,378; Mar. 31; Serial No. 449,106; published Jan. 13, 1942. Class 6.

Shelby Cycle Company, The, Shelby, Ohio. Bicycle. 394,393; Mar. 31. Class 19.

Slattery, E. T., Company, Boston, Mass. Toothbrushes. 158,096; renewed Aug. 22, 1942.

Sociedad Anonima de Productos Quimicos FK Para Industria y Farmacia, New York, N. Y. Nicotinamide, nicotinic acid diethylamide, acetyl-P-aminophenyl salicylate, etc. 394,372; Mar. 31; Serial No. 449,025; published Jan. 13, 1942. Class 6.

Sollmann, Carl P., New York, N. Y. Wooden coaster sets. 394,334; Mar. 31; Serial No. 448,305; published Jan. 20, 1942. Class 50.

Sollmann, Carl P., New York, N. Y. Wood ash trays and pipe racks. 394,335; Mar. 31; Serial No. 448,306; published Jan. 20, 1942. Class 8.

Solomon Manufacturing Company, St. Louis, Mo. Women's and girls' wearing apparel. 394,413; Mar. 31. Class 39.

Sosnik and Sosnik, Inc., Winston-Salem, N. C. Girls' and women's articles of clothing—namely, coats, suits, dresses, sweaters, etc. 394,288; Mar. 31; Serial No. 447,005; published Dec. 30, 1941. Class 39.

Stanco Incorporated. (See Standard Oil Company (Incorporated in New Jersey), assignor.)

Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J., and New York, assignor to Stanco Incorporated, New York, N. Y. Petrolatum. 153,870; renewed Mar. 28, 1942.

Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J., and New York, assignor to Stanco Incorporated, New York, N. Y. Mineral oil. 154,393; renewed Apr. 11, 1942.

Stedfast Rubber Company, Inc., Mattapan, Mass. Artificial leather. 394,345; Mar. 31; Serial No. 448,625; published Jan. 20, 1942. Class 50.

Supreme Wine Co., Inc., Boston, Mass. Wines. 394,406; Mar. 31. Class 47.

Sylvania Industrial Corporation, Fredericksburg, Va. Plasticizers. 394,357; Mar. 31; Serial No. 448,841; published Jan. 20, 1942. Class 6.

Tabby, Ltd., New York, N. Y. Detachable ornament holders for slide fastener tabs. 394,260; Mar. 31; Serial No. 440,104; published Jan. 20, 1942. Class 13.

Tan-B-Low Company. (See M & R Dietetic Laboratories, Inc.)

Theon Company, Inc., The, New York, N. Y. Perfumes. 394,340; Mar. 31; Serial No. 448,443; published Jan. 13, 1942. Class 6.

Trans-Marine Trading & General Patent Corp., New York, N. Y. Display stands. 394,403; Mar. 31. Class 32.

Treadwell Engineering Company, Easton, Pa. Machinery. 158,117; renewed Aug. 22, 1942.

Tubbs Cordage Company, San Francisco, Calif. Manila, sisal, and cotton rope and cordage, and twine. 394,286; Mar. 31; Serial No. 446,897; published Dec. 16, 1941. Class 7.

Utica Knitting Company, Utica, N. Y. Knitted outer jackets made of wool, cotton, rayon, and other fibers. 394,348; Mar. 31; Serial No. 448,664; published Jan. 20, 1942. Class 39.

Vega Separator Corporation of America Inc., Minneapolis, Minn. Cream separators. 394,271; Mar. 31; Serial No. 443,444; published Sept. 9, 1941. Class 23.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Soaps. 157,792; renewed Aug. 15, 1942.

Ward, John C., Baltimore, Md. Coats and jackets. 394,390; Mar. 31. Class 39.

Wartsila-Yhtyma O/Y-Wartsila-Koncernen A/B, Vartsila, Finland. Locks, lock parts, and keys for locks. 394,297; Mar. 31; Serial No. 447,624; published Jan. 13, 1942. Class 25.

Wausau Abrasives Company, Wausau, Wis., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandpaper. 153,049; renewed Mar. 7, 1942.

Weinberg Corporation, Chicago, Ill. Men's suits, coats, vests, and trousers made of textile fabrics. 394,291; Mar. 31; Serial No. 447,172; published Dec. 23, 1941. Class 39.

Weis, Edward L., Chicago, Ill. Blouses, skirts, dresses, and jackets. 394,277; Mar. 31; Serial No. 444,291; published Dec. 30, 1941. Class 39.

Welch, Charles L. J., doing business as Railway Maintenance Devices, Chicago, Ill. Mechanical devices for pulling and withdrawing railway ties, etc. 394,257; Mar. 31; Serial No. 439,261; published Jan. 6, 1942. Class 23.

Western Cartridge Company, East Alton and Springfield, assignor to Western Cartridge Company, East Alton, Ill. Nonfouling bullets. 153,053–4; renewed Mar. 7, 1942.

Westgate Sea Products Co., San Diego, Calif. Canned tuna fish. 394,388; Mar. 31. Class 46.

Whitehead, Daisy, Knitting Co., to Joseph A. Sacks, doing business as Daisy Whitehead Knitting Co., New York, N. Y., successor. Hosiery. 151,112; renewed Jan. 24, 1942.

Whittemore, Chester L., Boston, Mass. Detachable safety reflectors to protect standing vehicles. 394,254; Mar. 31; Serial No. 437,394; published Jan. 20, 1942. Class 34.

Wilson Brothers, Chicago, Ill. Men's and boys' dress, negligee, work, and under shirts, drawers, and pajamas. 394,267; Mar. 31; Serial No. 442,680; published Aug. 12, 1941. Class 39.
Wilson Jones Company, Chicago, Ill. Loose leaf binders. 394,350; Mar. 31; Serial No. 448,774; published Jan. 20, 1942. Class 37.
Yagodnik, Joseph W., doing business as Yagodnik Pants Co., Chicago, Ill. Coats, jackets, vests, etc. 394,404; Mar. 31. Class 39.
Yu-ka Starch Corporation, Miami Beach, Fla. Laundry starch and starch used as a sizing. 394,327; Mar. 31; Serial No. 448,179; published Jan. 13, 1942. Class 6.
Yunker Brothers, New York, N. Y. Infants' wear. 394,419; Mar. 31. Class 39.
Zerillo, Lorenzo, Healdsburg, to Riverbank Canning Company, Riverbank, Calif., successor. Fresh deciduous fruits, dried fruits, and grape sirup. 156,946; renewed July 18, 1942.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cotton batting. Lockport Cotton Batting Co. 394,324–6; Mar. 31; Serial Nos. 448,158–60; published Jan. 20, 1942.
Cotton batting or cotton batts. Lockport Cotton Batting Co. 394,315; Mar. 31; Serial No. 448,143; published Jan. 20, 1942.
Cotton batting or cotton batts. Lockport Cotton Batting Co. 394,316–21; Mar. 31; Serial Nos. 448,145–50; published Jan. 20, 1942.
Cotton batting or cotton batts. Lockport Cotton Batting Co. 394,322; Mar. 31; Serial No. 448,153; published Jan. 20, 1942.
Cotton batting or cotton batts. Lockport Cotton Batting Co. 394,323; Mar. 31; Serial No. 448,156; published Jan. 20, 1942.
Material composed wholly or in part of pyroxyline or its compound. Arlington Manufacturing Company. 20,852; re-renewed Mar. 15, 1942.
Materials made wholly or in part of synthetic resinoids and sold in form of sheets, blocks, tubes, etc. Ellison Insulations Limited. 394,275; Mar. 31; Serial No. 444,139; published Oct. 7, 1941.
Seed, Lawn grass. J. O. Johnson. 155,992; renewed June 13, 1942.

CLASS 2

Containers, Corrugated shipping. Agar Manufacturing Corporation. 154,213; renewed Apr. 11, 1942.

CLASS 4

Cloth, Chemically treated. C. F. Jameson. 155,728; renewed June 6, 1942.
Polish, Metal. American Metal Polish Co. 155,597; renewed June 6, 1942.
Sandpaper. Wausau Abrasives Company. 153,049; renewed Mar. 7, 1942.
Soap. Cosmata, Inc. 394,373; Mar. 31; Serial No. 449,040; published Jan. 20, 1942.
Soap and cleansers. Davies-Young Soap Company. 157,661; renewed Aug. 15, 1942.
Soap, Wet-cleaning. Davies-Young Soap Company. 157,662; renewed Aug. 15, 1942.
Soaps. A. Bourjois & Co. Inc. 157,646; renewed Aug. 15, 1942.
Soaps. John Wanamaker Philadelphia. 157,792; renewed Aug. 15, 1942.
Sweeping compound. Pioneer Manufacturing Company. 157,743; renewed Aug. 15, 1942.

CLASS 5

Adhesive of low tension type for use in producing stenciled designs. R. N. Nason & Co. 394,400; Mar. 31.

CLASS 6

Acids, Hydrogenated marine oil fatty. Emery Industries, Inc. 394,272; Mar. 31; Serial No. 443,487; published Jan. 13, 1942.
Analgesic sedative tablets. Charles C. Haskell & Co. 394,351; Mar. 31; Serial No. 448,792; published Jan. 20, 1942.
Anesthetics, Local. Novocol Chemical Mfg. Co. 394,347; Mar. 31; Serial No. 448,648; published Jan. 13, 1942.
Antiseptic and bactericidal preparations. Rigidtest Products, Inc. 394,304; Mar. 31; Serial No. 447,767; published Jan. 13, 1942.
Chemical preparation. Compo Shoe Machinery Corporation. 394,421; Mar. 31.
Chemical used as an anthelmintic or vermifuge and urinary antiseptic for animals and poultry. American Chemical Company. 394,349; Mar. 31; Serial No. 448,687; published Jan. 13, 1942.
Chemicals, Fire extinguishing. "Dri-Gas" Fire Extinguisher Co. 394,415; Mar. 31.
Composition of poke root and salt petre. Dairy Association Company. 394,332; Mar. 31; Serial No. 448,285; published Jan. 20, 1942.
Cosmetics. Embalmers' Supply Company. 394,424; Mar. 31.
Disinfectant compound. Diversey Corporation. 394,386; Mar. 31.
Embalming fluid. Embalmers' Supply Company. 394,423; Mar. 31.
Fat splitting reagents and saponifiers. Emery Industries, Inc. 394,273; Mar. 31; Serial No. 443,488; published Jan. 13, 1942.
Hair preparation. L. G. Ramsey. 394,307; Mar. 31; Serial No. 447,952; published Jan. 13, 1942.
Lampblack. L. Martin Company. 394,370; Mar. 31; Serial No. 449,013; published Jan. 13, 1942.
Lotion and shampoo, Scalp. Benfu Lotion Co. 394,381; Mar. 31; Serial No. 449,201; published Jan. 13, 1942.
Lotion, Skin. Aurora Products Corporation. 394,313; Mar. 31; Serial No. 448,071; published Jan. 13, 1942.
Minerals, Dog food. Pumicite Company. 394,256; Mar. 31; Serial No. 437,878; published Jan. 20, 1942.
Nicotinamide, nicotinic acid diethylamide, acetyl-P-aminophenyl salicylate, etc. Sociedad Anonima de Productos Quimicos Fk Para Industria y Farmacia. 394,372; Mar. 31; Serial No. 449,025; published Jan. 13, 1942.
Oils to be mixed with animal foods, Wheat germ. Cooperative Feed Dealers, Inc. 394,276; Mar. 31; Serial No. 444,256; published Jan. 13, 1942.
Ointment for the treatment of cutaneous infections. Charles C. Haskell & Co. Inc. 394,374; Mar. 31; Serial No. 449,047; published Jan. 13, 1942.
Perfume. Gamboa, Inc. 394,368; Mar. 31; Serial No. 449,006; published Jan. 13, 1942.
Perfume. M. Levy. 394,363; Mar. 31; Serial No. 448,946; published Jan. 13, 1942.
Perfume and toilet water. Houbigant, Inc. 394,399; Mar. 31.
Perfume and toilet water, face powder and lipstick. S. Henry. 394,361; Mar. 31; Serial No. 448,906; published Jan. 13, 1942.
Perfumes. Elizabeth Arden Sales Corporation. 394,308; Mar. 31; Serial No. 447,967; published Jan. 13, 1942.
Perfumes. Theon Company. 394,340; Mar. 31; Serial No. 448,443; published Jan. 13, 1942.
Perfumes, and natural and synthetic essential oils. Bush Aromatics, Inc. 394,360; Mar. 31; Serial No. 448,900; published Jan. 20, 1942.
Petrolatum. Standard Oil Company, (Incorporated in New Jersey). 153,870; renewed Mar. 28, 1942.
Plasticizers. Sylvania Industrial Corporation. 394,357; Mar. 31; Serial No. 448,841; published Jan. 20, 1942.
Polyvitamin tablets. Wm. S. Merrill Company. 394,355; Mar. 31; Serial No. 448,831; published Jan. 13, 1942.
Powder, dusting powder, toilet water, perfume, etc., Face. Coty, Inc. 394,379–80; Mar. 31; Serial Nos. 449,128–9; published Jan. 13, 1942.
Preparation for application to the human body to reduce sun burning and to accelerate sun tanning. Doleith, Inc. 394,398; Mar. 31.
Preparation for the treatment of coughs and colds. C. C. Owen. 394,364; Mar. 31; Serial No. 448,948; published Jan. 20, 1942.
Preparation of chemicals used for the extinguishment of magnesium fires. Z. S. Chapman. 394,295; Mar. 31; Serial No. 447,584; published Jan. 13, 1942.
Preparation used in heart affections. Ciba Pharmaceutical Products, Inc. 394,354; Mar. 31; Serial No. 448,819; published Jan. 13, 1942.
Preparations for treatment of conditions resulting from metabolic deficiencies, etc. Sharp & Dohme, Incorporated. 394,378; Mar. 31; Serial No. 449,106; published Jan. 13, 1942.
Preparations used as biological stimulants for glandular activity, etc. Sharp & Dohme, Incorporated. 394,255; Mar. 31; Serial No. 437,484; published Jan. 13, 1942.
Salve. Polar Salve Company. 152,255; renewed Feb. 21, 1942.
Soot destroyer bricks. H. J. Knack. 394,266; Mar. 31; Serial No. 442,596; published Jan. 13, 1942.
Starch and starch used as a sizing, Laundry. Yu-Ka Starch Corporation. 394,327; Mar. 31; Serial No. 448,179; published Jan. 13, 1942.
Substances causing cellular stimulation, hormones, and preparations containing hormones, etc. Sharp & Dohme, Incorporated. 394,377; Mar. 31; Serial No. 449,105; published Jan. 13, 1942.
Toilet preparation. Plough Chemical Company. 155,508; renewed May 30, 1942.
Toilet water, perfume bath powder, talcum powder, etc. House of Tre-Jur, Inc. 394,343; Mar. 31; Serial No. 448,559; published Jan. 13, 1942.
Tonic, Blood. James E. McMullen & Sons. 394,282; Mar. 31; Serial No. 446,237; published Jan. 13, 1942.

CLASS 7

Rope and cordage, and twine, Manila, sisal, and cotton. Tubbs Cordage Company. 394,286; Mar. 31; Serial No. 446,897; published Dec. 16, 1941.

Rope, Manila. Portland Cordage Company. 155,052; renewed May 16, 1942.

CLASS 8

Ash trays. H. C. Pfingst. 394,414; Mar. 31.
Ash trays and pipe racks, Wood. C. P. Sollmann. 394,335; Mar. 31; Serial No. 448,306; published Jan. 20, 1942.

CLASS 9

Bullets, Nonfouling. Western Cartridge Company. 153,053–4; renewed Mar. 7, 1942.
Matches. Diamond Match Company. 152,747; renewed Mar. 7, 1942.

CLASS 11

Mixture of low boiling hydrocarbons for use in rotogravure inks. American Mineral Spirits Company. 394,259; Mar. 31; Serial No. 439,917; published Jan. 20, 1942.

CLASS 13

Holders for slide fastener tabs, Detachable ornament. Tabby, Ltd. 394,260; Mar. 31; Serial No. 440,104; published Jan. 20, 1942.
Nails and tacks. Auto-Vehicle Parts Company. 157,453; renewed Aug. 8, 1942.
Tank silencer, Flush. J. M. Bales. 394,339; Mar. 31; Serial No. 448,406; published Jan. 20, 1942.
Valves, siphons, cocks, etc. C. Schneider. 152,496; renewed Feb. 28, 1942.

CLASS 15

Oil, Flushing. National Refining Company. 394,358; Mar. 31; Serial No. 448,870; published Jan. 13, 1942.
Oil, Mineral. Standard Oil Company. (Incorporated in New Jersey). 154,393; renewed Apr. 11, 1942.

CLASS 16

Lampblack for use as a paint pigment. L. Martin Company. 394,369; Mar. 31; Serial No. 449,012; published Jan. 20, 1942.
Paint, paint primers, varnishes, etc., Liquid and paste. Pittsburgh Plate Glass Company. 394,375–6; Mar. 31; Serial Nos. 449,100–1; published Jan. 20, 1942.

CLASS 17

Cheeroots. P. Lorillard Company. 394,336; Mar. 31; Serial No. 448,324; published Jan. 20, 1942.

CLASS 19

Bicycle. Shelby Cycle Company. 394,393; Mar. 31.
Guards for partially obstructing vehicle tank filler pipes, Anti-siphoning theft. Scully Signal Company. 394,290; Mar. 31; Serial No. 447,109; published Jan. 20, 1942.
Vehicle braking units. Bendix Aviation Corporation. 394,268; Mar. 31; Serial No. 442,776; published Jan. 20, 1942.

CLASS 21

Circuit-controlling and pressure-controlling devices, and mercury tubes. Federal Gauge Company. 156,669; renewed July 11, 1942.
Electric motor driven tool holders, Hand held. Casco Products Corporation. 394,310–11; Mar. 31; Serial Nos. 448,035–6; published Jan. 20, 1942.
Switches, lightning arresters, etc., Disconnecting. Electrical Engineers Equipment Company. 156,664; renewed July 11, 1942.

CLASS 23

Bearings and bushings. Buckeye Brass and Manufacturing Co. 157,016; renewed July 25, 1942.
Cream separators. Vega Separator Corporation of America Inc. 394,271; Mar. 31; Serial No. 443,444; published Sept. 9, 1941.
Machinery. Treadwell Engineering Company. 158,117; renewed Aug. 22, 1942.
Machinery for decorating ramie and other fiber bearing materials. S. L. St. Jhn. 394,281; Mar. 31; Serial No. 445,510; published Jan. 20, 1942.
Mechanical devices for pulling and withdrawing railway ties, etc. C. L. J. Welch. 394,257; Mar. 31; Serial No. 439,261; published Jan. 6, 1942.
Mowers, Lawn. Charles H. Pugh Limited. 153,828; renewed Mar. 28, 1942.
Pump liners, slush pump rods and unions, Slush. Harrisburg Engineering Company. 394,264; Mar. 31; Serial No. 442,526; published Jan. 6, 1942.
Scissors and shears. Acme Shear Company. 156,605; renewed July 11, 1942.
Scissors, shears, and weaver's snippers. Acme Shear Company. 394,416; Mar. 31.
Sharpeners, Electric razor. J. A. Sams. 394,384; Mar. 31.
Tools, Pipe-bending. R. H. Henderson. 154,967; renewed May 16, 1942.
Tractors, and tractor drawn agricultural implements. B. F. Avery & Sons Company. 394,409–10; Mar. 31.

CLASS 25

Locks, lock parts, and keys for locks. Wartsila-Yhtyma O/Y-Wartsila-Koncernen A/B. 394,297; Mar. 31; Serial No. 447,624; published Jan. 13, 1942.

CLASS 26

Camera accessories. Enteco Camera Accessories. 394,333; Mar. 31; Serial No. 448,288; published Jan. 20, 1942.
Electrical apparatus. M. J. Fuller. 394,401; Mar. 31.
Gages, gage glasses, etc., Liquid level. G. Ernst. 394,389; Mar. 31.
Gauges and attachments therefor, Dimension. Pratt & Whitney Company. 154,368; renewed Apr. 11, 1942.
Scales, Weighing. N. A. Kennedy Supply Co. 153,772; renewed Mar. 28, 1942.

CLASS 28

Necklaces, and bracelets, finger rings, etc. Cohn & Rosenberger Inc. 394,408; Mar. 31.
Silver ware and silver and gold-plated hollow-ware, table-ware, etc., Sterling. Bernard Rice's Sons, Inc. 394,263; Mar. 31; Serial No. 442,179; published Jan. 20, 1942.

CLASS 29

Brushes, Lather. Hardright Company. 152,420; renewed Feb. 28, 1942.
Toothbrushes. E. T. Slattery Company. 158,096; renewed Aug. 22, 1942.

CLASS 30

Stoneware, Acid-proof chemical. M. A. Knight. 155,468; renewed May 30, 1942.

CLASS 32

Slipcovers, Textile. Comfy Manufacturing Company. 394,367; Mar. 31; Serial No. 449,002; published Jan. 20, 1942.
Stands, Display. Trans-Marine Trading & General Patent Corp. 394,403; Mar. 31.

CLASS 34

Reflectors for protecting standing vehicles, Detachable safety. C. L. Whittemore. 394,254; Mar. 31; Serial No. 437,394; published Jan. 20, 1942.

CLASS 37

Binders, Loose leaf. Wilson Jones Company. 394,350; Mar. 31; Serial No. 448,774; published Jan. 20, 1942.
Paper and envelopes, Writing. Rytex Company. 394,305; Mar. 31; Serial No. 447,827; published Jan. 20, 1942.
Paper, Writing. Import Paper Company. 157,985–6; renewed Aug. 22, 1942.
Paper, Writing. E. E. Lloyd Paper Company. 154,999; renewed May 16, 1942.
Paper, Writing and printing. Keith Paper Company. 394,362; Mar. 31; Serial No. 448,910; published Jan. 20, 1942.

CLASS 38

Books, pamphlets, magazines. Book Agents of the Methodist Episcopal Church, South. 394,407; Mar. 31.
Catalogues, Merchandise premium. Decorators Wall Paper Co. 394,270; Mar. 31; Serial No. 443,323; published Jan. 20, 1942.
Chart relative to the automotive industry. Automotive Fact Finder Co. 394,396; Mar. 31.
News column and special articles. L. M. Pearson. 394,337; Mar. 31; Serial No. 448,332; published Jan. 6, 1942.
Newspaper. Chicago Sun. 394,366; Mar. 31; Serial No. 449,001; published Jan. 20, 1942.
Newspaper section or department. New York Evening Journal, Inc. 394,356; Mar. 31; Serial No. 448,835; published Jan. 20, 1942.
Periodical. All-American Athletic Association. 394,274; Mar. 31; Serial No. 444,030; published Jan. 13, 1942.
Periodical. F. H. Hollmann. 394,418; Mar. 31.
Periodical. North American Aviation, Inc. 394,306; Mar. 31; Serial No. 447,849; published Jan. 6, 1942.
Periodicals. A. Bowyer. 157,464; renewed Aug. 8, 1942.
Photographs and photographic prints, Printed. Please U Film Service. 394,253; Mar. 31; Serial No. 433,306; published Jan. 13, 1942.
Publication. Crestwood Publishing Co. 394,287; Mar. 31; Serial No. 446,995; published Jan. 13, 1942.
Publication of recipes for various food dishes, Weekly. Princess Pecans, Inc. 394,391; Mar. 31.
Publications. Colton Press, Inc. 394,417; Mar. 31.
Section of a magazine. Look, Inc. 394,303; Mar. 31; Serial No. 447,748; published Jan. 6, 1942.

CLASS 39

Apparel, Women's and girls' wearing. Solomon Manufacturing Company. 394,413; Mar. 31.
Apparel, Women's, misses', juniors', teens', and children's wearing. Printz-Biederman Company. 394,293; Mar. 31; Serial No. 447,404; published Jan. 13, 1942.
Aprons, raincoats, and make-up capes. National Carbon Company. 394,331; Mar. 31; Serial No. 448,225; published Dec. 23, 1941.
Blouses, Ladies'. Bond Novelty Co. Inc. 394,394; Mar. 31.

Blouses, skirts, dresses, and jackets. E. L. Weis. 394,277; Mar. 31; Serial No. 444,291; published Dec. 30, 1941.
Clothing, Girls' and women's articles of. Sosnik and Sosnik, Inc. 394,288; Mar. 31; Serial No. 447,005; published Dec. 30, 1941.
Coats and jackets. J. C. Ward. 394,390; Mar. 31.
Coats and suits, Women's. Prints-Biederman Company. 394,392; Mar. 31.
Coats, Fur. Labrador Fur Corporation. 394,292; Mar. 31; Serial No. 447,211; published Dec. 30, 1941.
Coats, jackets, vests, etc. J. W. Yagodnik. 394,404; Mar. 31.
Coats, Ladies'. Kroywen Coats. 394,422; Mar. 31.
Dresses and dress ensembles, Ladies' and misses'. Cohen Bros. Dresses Inc. 394,402; Mar. 31.
Dresses, coats, skirts, etc. Dorothy Hobbs, Inc. 394,395; Mar. 31.
Dresses, Ladies'. Litt and Company. 394,387; Mar. 31.
Hosiery. Daisy Whitehead Knitting Co. 151,112; renewed Jan. 24, 1942.
Infants' wear. Yunker Brothers. 394,419; Mar. 31.
Jackets. Myrtle Knitting Mills, Incorporated. 394,258; Mar. 31; Serial No. 439,761; published Jan. 6, 1942.
Jackets, Knitted outer. Utica Knitting Company. 394,348; Mar. 31; Serial No. 448,664; published Jan. 20, 1942.
Shirts and sleeping pajamas. Marshall Field & Company. 394,302; Mar. 31; Serial No. 447,728; published Jan. 13, 1942.
Shirts, drawers and pajamas, Men's and boys'. Wilson Brothers. 394,267; Mar. 31; Serial No. 442,680; published Aug. 12, 1941.
Shirts, Men's outer. Elder & Johnston Company. 394,338; Mar. 31; Serial No. 448,363; published Dec. 30, 1941.
Slacks, sports shirts, etc. David D. Doniger & Co. 394,309; Mar. 31; Serial No. 447,977; published Jan. 13, 1942.
Slips, Women's. Collegiate Manufacturing Company. 394,346; Mar. 31; Serial No. 448,632; published Jan. 13, 1942.
Slips, Women's. Laros Textiles Company. 394,420; Mar. 31.
Suits, coats, vests, and trousers. Weinberg Corporation. 394,291; Mar. 31; Serial No. 447,172; published Dec. 23, 1941.
Suits, vests and pants. J. Jaffe. 394,383; Mar. 31.
Sweaters, jerseys, cardigan jackets, etc. Caeriee Mills Knitting Co. Limited. 394,269; Mar. 31; Serial No. 443,153; published Jan. 6, 1942.
Sweaters, skirts, blouses, etc. Fish & Co. 394,284; Mar. 31; Serial No. 446,321; published Jan. 6, 1942.
Topcoats. Rose Brothers. 394,341; Mar. 31; Serial No. 448,460; published Jan. 13, 1942.
Underwear. J. R. Pollock. 394,385; Mar. 31.
Underwear and hosiery. I. M. Mirsky. 149,169; renewed Dec. 6, 1941.
Underwear, Ladies'. Morse & Morse. 394,329; Mar. 31; Serial No. 448,200; published Dec. 23, 1941.
Underwear, slips, panties, etc. Her Majesty Underwear Company. 394,285; Mar. 31; Serial No. 446,874; published Jan. 13, 1942.
Uniforms. Free-Action Back Company. 394,405; Mar. 31.

CLASS 42

Carpets and rugs. Artloom Corporation. 394,352–3; Mar. 31; Serial Nos. 448,813–14; published Jan. 13, 1942.
Cotton, all rayon, and combinations of, All. Aspinook Corporation. 394,342; Mar. 31; Serial No. 448,543; published Jan. 13, 1942.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 394,344; Mar. 31; Serial No. 448,597; published Jan. 13, 1942.
Piece goods of silk and silk mixtures. Cheney Brothers. 394,300; Mar. 31; Serial No. 447,693; published Jan. 6, 1942.
Silks in the piece. Sears, Roebuck and Co. 154,149; renewed Apr. 4, 1942.

CLASS 43

Yarns. Celanese Corporation of America. 394,299; Mar. 31; Serial No. 447,684; published Dec. 23, 1941.
Yarns. Celanese Corporation of America. 394,312; Mar. 31; Serial No. 448,037; published Dec. 23, 1941.
Yarns. J. & J. McCallum, Limited. 394,411; Mar. 31.
Yarns, Woolen. Melbourne Yarn Co. 394,298; Mar. 31; Serial No. 447,636; published Dec. 30, 1941.

CLASS 45

Beverage and syrups and concentrates for making same. Green & Green Inc. 394,251; Mar. 31; Serial No. 424,040; published Feb. 20, 1940.
Beverages and concentrates and compounds for making the same, Non-alcoholic, maltless. Orange-Crush Company. 394,359; Mar. 31; Serial No. 448,872; published Jan. 20, 1942.
Beverages and syrups and extracts, Non-alcoholic. National Orange Products, Inc. 394,261; Mar. 31; Serial No. 440,424; published May 13, 1941.
Fruit juice beverages and sirups. Cherry Blossom Mfg. Co. 153,988; renewed Apr. 4, 1942.
Waters, non-alcoholic maltless beverages, syrups, and extracts, Natural mineral. Companhia Antarctica Paulista. 394,278; Mar. 31; Serial No. 445,130; published Jan. 13, 1942.

CLASS 46

Candies. Heidelberger Confectionary Co. 157,681; renewed Aug. 15, 1942.
Canned fish. Sardamack Fisheries, Inc. 394,365; Mar. 31; Serial No. 448,955; published Jan. 20, 1942.
Canned pumpkin. Miner, Read & Tullock, Inc. 394,252; Mar. 31; Serial No. 428,082; published Jan. 20, 1942.
Canned tuna fish. Westgate Sea Products Co. 394,388; Mar. 31.
Cheese spread. Newark Cheese Co. 394,382; Mar. 31; Serial No. 449,209; published Jan. 20, 1942.
Confections, Frozen. Joe Lowe Corporation. 394,328; Mar. 31; Serial No. 448,195; published Jan. 20, 1942.
Crackers or biscuits. B. Manischewitz Company. 394,250; Mar. 31; Serial No. 415,405; published July 11, 1939.
Flour, Wheat. Montana Flour Mills Company. 394,371; Mar. 31; Serial No. 449,015; published Jan. 20, 1942.
Fruits, and grape sirup, Fresh deciduous and dried. L. Zerillo. 156,946; renewed July 18, 1942.
Ice cream. Nestle's Food Company. 157,724; renewed Aug. 15, 1942.
Melons and vegetables. Allen & Howe. 394,425; Mar. 31.
Milk, Powdered. Merrell-Soule Company. 157,714; renewed Aug. 15, 1942.
Milk powder, Whole. Pet Milk Company. 394,265; Mar. 31; Serial No. 442,562; published Jan. 20, 1942.
Milk preparations, Condensed. M & R Dietetic Laboratories, Inc. 394,296; Mar. 31; Serial No. 447,613; published Jan. 20, 1942.
Vegetable oil and olive oils, Blend of. N. Grillo. 394,294; Mar. 31; Serial No. 447,529; published Jan. 20, 1942.
Vinegar, jelly, and marmalade, White distilled. Duffy-Mott Company. 394,314; Mar. 31; Serial No. 448,077; published Jan. 20, 1942.

CLASS 47

Wines. Supreme Wine Co. 394,406; Mar. 31.
Wines and aperitive wines. Companhia Antarctica Paulista. 394,279; Mar. 31; Serial No. 445,131; published Jan. 13, 1942.

CLASS 49

Brandy. De LaSalle Institute. 394,283; Mar. 31; Serial No. 446,315; published Jan. 13, 1942.
Brandy. Old Colony Company. 394,289; Mar. 31; Serial No. 447,073; published Jan. 13, 1942.
Rum. Duggan's Ltd. 394,412; Mar. 31.
Whiskey. E. M. Fleischmann Distilling Corp. 394,397; Mar. 31.
Whiskies, brandies, gins, rums, etc. Companhia Antarctica Paulista. 394,280; Mar. 31; Serial No. 445,132; published Jan. 13, 1942.

CLASS 50

Canvas panels and roll canvas. Goldsmith Bros. 394,262; Mar. 31; Serial No. 442,163; published Jan. 20, 1942.
Coaster sets, Wooden. C. P. Sollmann. 394,334; Mar. 31; Serial No. 448,305; published Jan. 20, 1942.
Friction pad. C. E. Cleveland. 394,330; Mar. 31; Serial No. 448,218; published Jan. 20, 1942.
Hangers, Garment. Rhodes Plastic Products Inc. 394,301; Mar. 31; Serial No. 447,712; published Jan. 20, 1942.
Leather, Artificial. Stedfast Rubber Company. 394,345; Mar. 31; Serial No. 448,625; published Jan. 20, 1942.
Tents and covers, Canvas. Barnett Canvas Goods & Bag Co. 156,995; renewed July 25, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hoeber, Harold, South Dartmouth, and A. F. Jacob, North Adams, assignors to Textile Research Company, Boston, Mass. Picker check for looms. Re. 22,056; Mar. 31.

Jacob, Alfred F. (See Hoeber, H., and Jacob.)

Textile Research Company. (See Hoeber, H., and Jacob, assignors.)

LIST OF DESIGN PATENTEES

Alan Novelty Corp. (See Lutz, William, assignor.)
Alper, Abraham, New York, N. Y. Suit. 131,796; Mar. 31.
Artz, James, New York, N. Y. Hat. 131,873; Mar. 31.
Barbieri, Nicholas, Providence, R. I. Plastic finger ring. 131,797; Mar. 31.
Bauman, Moe, New York, N. Y. Suit. 131,828; Mar 31.
Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 131,845; Mar. 31.
Bostrom, Harold W., Milwaukee, Wis. Tractor cab. 131,892; Mar. 31.
Boucher, Marcel, New York, N. Y. Pin or similar article. 131,798; Mar. 31.
Bontemy, Annette, New York, N. Y. Textile fabric. 131,789; Mar. 31.
Brandenburger, Russell E., Shelbyville, Ind. Combination sleeping couch and cabinet or like article of furniture. 131,829; Mar. 31.
Brenner, Joseph, New York, N. Y. Dress. 131,799; Mar. 31.
Bruce, Leo Ivan, Framingham, Mass., assignor to Warren Telechron Company. Clock case. 131,800; Mar. 31.
Bruce, Leo Ivan, Framingham, Mass., assignor to Warren Telechron Company. Clock case. 131,801; Mar. 31.
Bruce, Leo Ivan, Framingham, Mass., assignor to Warren Telechron Company. Clock case. 131,802; Mar. 31.
Buckingham, John D., assignor to Lucien-Lelong, Inc., Chicago, Ill. Perfume bottle or similar article. 131,830; Mar. 31.
Cheney, Harold W. (See Dalzell, C. B., and Cheney.)
Cherry-Burrell Corporation. (See Dalzell, C. B., and Cheney, assignors.)
Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)
Cumfer, Donald A., Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine frame. 131,846; Mar. 31.
Cutler, Elizabeth, New York, N. Y. Dress. 131,803; Mar. 31.
Cutler, Elizabeth, New York, N. Y. Dress. 131,804; Mar. 31.
Dalzell, C. B., and H. W. Cheney, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Valve. 131,893; Mar. 31.
Day-Brite Lighting, Inc. (See Biller, David J., assignor.)
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 131,839; Mar. 31.
Falcão, Gentil, S. Paulo, Brazil. Combination building and observation tower. 131,805; Mar. 31.
Feifer, Harry, Passaic, N. J. Playshoe or similar article. 131,841; Mar. 31.
Fellman, Max, New York, N. Y. Picture carrying badge. 131,831; Mar. 31.
Fisher, Joseph H., Brookline, Mass. Jewelry component or similar article. 131,832; Mar. 31.
Garbis, Theodora T., New York, N. Y. Dress. 131,806; Mar. 31.
Garbis, Theodora T., New York, N. Y. Dress. 131,807; Mar. 31.
Giovagnoni, Violet, New York, N. Y. Negligee. 131,833; Mar. 31.
Goldstein, Jacob, New York, N. Y. Coat. 131,808; Mar. 31.
Goldstein, Jacob, New York, N. Y. Coat. 131,809; Mar. 31.
Grace Company, The. (See Jetmore, Besse S., assignor.)
Heberger, Linus F., assignor to The Metal Arts Company, Inc., Rochester, N. Y. Medal or similar article. 131,872; Mar. 31.
Hobé, William W., New York, N. Y. Bracelet or similar article. 131,847; Mar. 31.
Hobé, William W., New York, N. Y. Bracelet or similar article. 131,848; Mar. 31.
Hobé, William W., New York, N. Y. Bracelet or similar article. 131,849; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,854; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,855; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,856; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,857; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,858; Mar. 31.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 131,874; Mar. 31.
Hollander, Joseph, Baton Rouge, La. Dutch doll souvenir tea bell. 131,810; Mar. 31.
Houston, Harry A. (See Houston, Junius W., assignor.)
Houston, Junius W., Arthurdale, W. Va., assignor of forty-nine per cent to H. A. Houston, Pittsburgh, Pa. Air compressor. 131,850; Mar. 31.
Houston, Junius W., Arthurdale, W. Va., assignor of forty-nine per cent to H. A. Houston, Pittsburgh, Pa. Air compressor. 131,875; Mar. 31.
Houston, Junius W., Arthurdale, W. Va., assignor of forty-nine per cent to H. A. Houston, Pittsburgh, Pa. Air compressor. 131,894; Mar. 31.
Hulley, Albert. (See McLean, W., and Hulley.)
Jetmore, Besse S., Olathe, Kans., assignor to The Grace Company, Belton, Mo. Infant's playsuit. 131,876; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,811; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,812; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,813; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,859; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Separable brooch. 131,860; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,861; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,862; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,877; Mar. 31.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 131,878; Mar. 31.
Keyes, Kenneth B., New York, N. Y. Shoe or similar article. 131,840; Mar. 31.
Larson, Willard A., Preston, Idaho. Building block. 131,814; Mar. 31.
Lee, Ruth Y., New York, N. Y. Shoe. 131,842; Mar. 31.
Liotti, Joseph, New York, N. Y. Suit. 131,815; Mar. 31.
Loepp, Herman R., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 131,816; Mar. 31.
Loepp, Herman R., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 131,817; Mar. 31.
Lucien Lelong, Inc. (See Buckingham, John D., assignor.)
Lutz, William, assignor to Alan Novelty Corp., New York, N. Y. Brooch or similar article. 131,818; Mar. 31.
Magyari, Micheal. (See Messana, Anthony, assignor.)
Matlin, Jacob, New York, N. Y. Coat. 131,819; Mar. 31.
Matlin, Jacob, New York, N. Y. Coat. 131,820; Mar. 31.
May, Helen, New York, N. Y. Dress. 131,821; Mar. 31.
May, Helen, New York, N. Y. Dress. 131,822; Mar. 31.
McClelland, Agnes Gail, Oklahoma City, Okla. Shaker for salt or pepper. 131,790; Mar. 31.
McCoy, Marion, St. Louis, Mo. Dress. 131,879; Mar. 31.
McLean, William, and A. Hulley, Geneva N. Y. Colloid mill or similar article. 131,880; Mar. 31.
Meland, Sven E., Evanston, Ill. Arm band. 131,834; Mar. 31.
Messana, Anthony, assignor of one-half to M. Magyari, Detroit, Mich. Scale height gauge. 131,835; Mar. 31.

Metal Arts Company, Inc., The. (See Heberger, Linus F., assignor.)
Moody, Frank S., Los Angeles, Calif. Jewelry finding or similar article. 131,851; Mar. 31.
Navone, Louis, Oakland, Calif. Combination displaying and storing unit, for bottled goods or the like. 131,843; Mar. 31.
Ostriker, Alexander J., New York, N. Y. Textile fabric or similar article. 131,896; Mar. 31.
Peacock, Roy, Chicago, Ill. Eyecup bottle. 131,823; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,824; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,836; Mar. 31.
Philippe, Alfred, New York, N. Y. Bracelet. 131,852; Mar. 31.
Philippe, Alfred, New York, N. Y. Bracelet. 131,853; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,863; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,864; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,865; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,866; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,867; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,868; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,869; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,871; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,881; Mar. 31.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 131,882; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,883; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,884; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,885; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,886; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,887; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,888; Mar. 31.
Philippe, Alfred, New York, N. Y. Pin clip. 131,889; Mar. 31.
Pratt, Edmond O., Los Angeles, County, Calif. Suction pump unit. 131,895; Mar. 31.
Rhodes, Gilbert J., New York, N. Y. Clothes hanger. 131,791; Mar. 31.
Russell, Bennett, Yakima, Wash. Dish. 131,825; Mar. 31.
Strauss, Hermann M. A., Chicago, Ill. Electric food mixer. 131,792; Mar. 31.
Sussman, Joseph, New York, N. Y. Hat. 131,897; Mar. 31.
Swedlin, Jacob, Brooklyn, N. Y. Stuffed toy or similar article. 131,827; Mar. 31.
Siegel, David, New York, N. Y. Knitted fabric. 131,890; Mar. 31.
Smith, Hazen M., Somerville, Mass. Game board. 131,826; Mar. 31.
Solomon, Nathan L., Mount Vernon, N. Y. Combination sprinkler and hair scrubber. 131,891; Mar. 31.
Telechron, Warren, Company. (See Bruce, Leo I., assignor.)
Turner, Cameron, Beverly, Mass. Combined candle and holder or the like. 131,793; Mar. 31.
United States Rubber Company. (See Loepp, Herman R., assignor.)
Van Vorst, James H., Dumont, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine frame. 131,837; Mar. 31.
Vivier, Roger, New York, N. Y. Shoe. 131,844; Mar. 31.
Weinberg, Sol, New York, N. Y. Textile fabric. 131,794; Mar. 31.
Wells, William O., Jr., Evanston, Ill. Glove. 131,838; Mar. 31.
Willcox & Gibbs Sewing Machine Company. (See Cumfer, Donald A., assignor.)
Willcox & Gibbs Sewing Machine Company. (See Van Vorst, James H., assignor.)
Wright, Robert A., Rye, N. Y. Plaque. 131,870; Mar. 31.
Zendman, Isaac, Jr., New York, N. Y. Lace. 131,795; Mar. 31.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive Company. (See Bauer, Hans E., assignor.)
Adams, Lester V., Schenectady, N. Y., assignor to General Electric Company. Calorized metal and method for producing the same. 2,278,406; Mar. 31.
Aero Supply Mfg. Co. Inc. (See Fairchild, Harry W., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vehicle drive. 2,277,835; Mar. 31.
Albright, Frank C., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Landing gear. 2,277,896; Mar. 31.
Alexander, George W., Boston, Mass. Batteryless flashlight. 2,277,897; Mar. 31.
Allen, Herbert, and E. L. Lorehn, Houston, Tex., assignors to Cameron Iron Works. Well head closure. 2,278,050; Mar. 31.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blading. 2,278,040; Mar. 31.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blade shroud. 2,278,041; Mar. 31.
Allied Suppliers Limited, et al. (See Shores, Bernard, assignor.)
Allis-Chalmers Manufacturing Company. (See Allen, Robert C., assignor.)
Allis-Chalmers Manufacturing Company. (See Hills, Leland H., assignor.)
Allison, Ira E., McLoud, Okla. Baling block. 2,277,943; Mar. 31.
Almy, Richard, Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of shoes. 2,277,941; Mar. 31.
Alrose Chemical Company. (See Weisberg, M., Corman, and Slachman, assignors.)
Ambrose, Samuel P., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for cutting and mixing. 2,278,051; Mar. 31.
American Bemberg Corporation. (See Malkomes, T., and Luchtenberg, assignors.)
American Can Company. (See Worthington, Everett, assignor.)
American Car and Foundry Company. (See Kaseberg, Theodore C., assignor.)
American Chain & Cable Company. (See Delano, Howard A., assignor.)
American Crayon Company, The. (See Oxley, John H., assignor.)
American Cyanamid Company. (See Ayres, G. B., and Niedercorn, assignors.)
American Cyanamid Company. (See Christmann, L. J., Jayne, Jr., and Erickson, assignors.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See Foster, G. H., and Jayne, Jr., assignors.)
American Cyanamid Company. (See Jayne, D. W., Erickson, and Day, assignors.)
American Forging & Socket Company. (See Bailey, Ward M., assignor.)
American Forging & Socket Company. (See McGregor, Thomas A., assignor.)
American Hardware Corporation, The. (See Scanlan, Thomas A., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Optical Company. (See Goddu, Lloyd W., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Steel and Wire Company of New Jersey, The. (See Harter, Noah S., assignor.)
American Steel and Wire Company of New Jersey, The. (See Karp, Ira C., and Campbell, assignors.)
American Steel Foundries. (See Maatman, Egbert J., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
Amrican Tool Works, The. (See Hoelscher, William G., assignor.)
American Viscose Corporation. (See Ambrose, Samuel P., assignor.)
American Window Glass Company. (See Magrini, Pete, assignor.)
Anderson, Charles L. (See Blood, H. L., and Anderson.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for accumulating and controlling loops in continuous strips. 2,277,658; Mar. 31.
Anderson, Perry, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding apparatus. 2,277,942; Mar. 31.
Anderson, Peter A., assignor to Utilities Distributors, Inc., Portland, Maine. Gas installation housing. 2,278,232; Mar. 31.
Andrew, Thomas A., Glendale, Calif. Measuring flow in wells. 2,277,898; Mar. 31.
Armour and Company. (See Ralston, A. W., and Segebrecht, assignors.)
Armour Research Foundation. (See Schwarz, Ernst L., assignor.)
Armstrong, Adam E., assignor to Armstrong Machine Works, Three Rivers, Mich. Radiator temperature control. 2,277,944; Mar. 31.
Armstrong Cork Company. (See Almy, Richard, assignor.)
Armstrong Cork Company. (See Jenkins, Seymour M., assignor.)
Armstrong Machine Works. (See Armstrong, Adam E., assignor.)
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrohydraulic operator. 2,277,836; Mar. 31.
Arnold, Floyd W., and L. J. Richards, Azusa, Calif. Nonclogging, self-cleaning apparatus. 2,278,033; Mar. 31.
Arnold, Floyd W., and L. J. Richards, Azusa, Calif. Nonclogging, self-cleaning automatic trap for sinks, lavatories, etc. 2,278,034; Mar. 31.
Ascheris, August E., Long Beach, and W. L. Leonard, Los Angeles, Calif., said Leonard assignor to said Ascheris. Bottle vending machine. 2,278,052; Mar. 31.
Ashleman, Adolph E., Waco, Tex. Wrench. 2,277,945; Mar. 31.
Ashley, Frank M., Great Kills, and E. P. Fraser, Brooklyn, N. Y., said Ashley assignor to said Fraser. Hose nozzle construction. 2,277,811; Mar. 31.
Ashley, Julius N. (See Ewins, A. J., Barber, Newbery, Ashley, and Self.)
Associated Electric Laboratories, Inc. (See Wood, Fredric E., assignor.)
Anfiero, John R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Control device and system. 2,277,899; Mar. 31.
Auld, Donald W., Bartlesville, and C. T. Woodard, Nowata, Okla., assignors to Phillips Petroleum Company. Automatic switching valve. 2,277,837; Mar. 31.
Austin Motor Company, The. (See Colell, Richard F., assignor.)
Automatic Shifters, Inc. (See Phillips, John X., assignor.)
"Automatic" Sprinkler Company of America. (See Rider, Harry N., assignor.)
Ayres, Gilbert B., Stamford, and J. G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Mold culture. 2,278,233; Mar. 31.
Ayres, Gilbert B., Stamford, and J. G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Mold culture. 2,278,234; Mar. 31.
Ayres, Gilbert B., Stamford, and J. G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Mold culture. 2,278,235; Mar. 31.
Ayres, Gilbert B., Stamford, and J. G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Mold culture. 2,278,236; Mar. 31.
Back, Franz G., assignor of one-fourth to Gastro-Photor Laboratories, New York, N. Y. Galvanometer. 2,278,343; Mar. 31.
Badenhausen, John Phillips, assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Combustion and chemical recovery furnace and operating same. 2,277,946; Mar. 31.
Bailey, Ward M., assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable support and locking mechanism. 2,277,947; Mar. 31.
Bakelite Corporation. (See Swan, H., and Higgins, assignors.)

Baker, Clarence E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,277,838; Mar. 31.

Baker, John H., Garrison, Tex. Log loader. 2,278,035; Mar. 31.

Baker, Leslie M., Evanston, Ill. Lock bolt construction. 2,278,344; Mar. 31.

Baldwin Locomotive Works, The. (See Bernhard, Rudolf K., assignor.)

Baldwin Locomotive Works, The. (See Essl, Max, assignor.)

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Knockdown furniture. 2,277,948; Mar. 31.

Ball, Charles F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Towing attachment for concrete mixers. 2,277,900; Mar. 31.

Bamford, Arthur P., Millburn, and J. T. Ritzau, Clifton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method of and apparatus for delivering sheets. 2,278,188; Mar. 31.

Barber, Harry J. (See Ewins, A. J., Barber, Newbery, Ashley, and Self.)

Barbieri, Cesare, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill. Method of and apparatus for curling edges on containers. 2,278,299; Mar. 31.

Barlow & Seelig Manufacturing Co. (See Schroeder, Simon E., assignor.)

Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heater. 2,278,189; Mar. 31.

Barnette, Le Roy T., St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Making molded articles. 2,277,673; Mar. 31.

Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box. 2,277,812; Mar. 31.

Barter, Harry L., and J. M. Christman, assignors to Packard Motor Car Company, Detroit, Mich. Tool for chamfering and burring. 2,278,300; Mar. 31.

Bath, Wilmer H., West Conshohocken, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,277,949; Mar. 31.

Bauer, Hans E., assignor to Abrasive Company, Philadelphia, Pa. Grinding wheel. 2,278,301; Mar. 31.

Bayerische Motoren Werke Aktiengesellschaft. (See Keller, Konradin, assignor.)

Becht, Walter, Stuttgart-Bad Cannstatt, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Internal combustion engine. 2,277,839; Mar. 31.

Behrman, Abraham Sidney, Chicago, Ill. Preparation of halides. 2,278,053; Mar. 31.

Bell, Gordon H., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for use in the manufacture of shoes. 2,277,684; Mar. 31.

Bell Telephone Laboratories, Incorporated. (See De Lange, Owen E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dimond, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Goodale, W., Jr., Herckmans, and Tillman, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gould, H. L. B., and Kingsbury, assignors.)

Bell Telephone Laboratories, Incorporated. (See Lacy, Lester Y., assignor.)

Bell Telephone Laboratories, Incorporated. (See McSkimin, H. J., and Sykes, assignors.)

Bell Telephone Laboratories, Incorporated. (See Morton, Jack A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mueller, Robert, assignor.)

Bell Telephone Laboratories, Incorporated. (See Schafer, Arthur H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wrathall, Leishman R., assignor.)

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Belsinger, Inc. (See Belsinger, Jack R., assignor.)

Belsinger, Jack R., assignor to Belsinger, Inc., Atlanta, Ga. Shipping container. 2,277,674; Mar. 31.

Beltman, George C., Chicago, Ill. Braking mechanism. 2,278,160; Mar. 31.

Bendix Aviation Corporation. (See Kurzina, Stanley B., Jr., assignor.)

Bendix Avation Corporation. (See Mock, F. C., and Moore, assignors.)

Bennetch, David S., Sheridan, Pa. Speed governing system. 2,278,099; Mar. 31.

Bennetch, David S., Sheridan, Pa. Speed governing system. 2,278,100; Mar. 31.

Benninghofen, Paul, et al. (See Diesbach, Frederick B., assignor.)

Benson, Donald G., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Applying polyvinyl chloride to metal surfaces. 2,278,345; Mar. 31.

Berg, Herman, assignor to The Kelly Reamer Company, Cleveland, Ohio. Floating reamer. 2,278,054; Mar. 31.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. 2,278,302; Mar. 31.

Bergström, Axel E., Lidingo, Sweden. Headlight, especially for automobiles and similar vehicles. 2,277,685; Mar. 31.

Berl, Ernst, Pittsburgh, Pa. Contact system. 2,277,840; Mar. 31.

Berlati, Ercole R., Saginaw, Mich. Fixture for attaching bumpers or the like to automobile frames. 2,278,121; Mar. 31.

Bernhard, Rudolf K., Ridley Park, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Materials testing apparatus. 2,277,813; Mar. 31.

Bigio, Albert, Brooklyn, N. Y. Water closet douche. 2,278,055; Mar. 31.

Biolite Incorporated. (See Rosenblatt, Philip, assignor.)

Bird, Len O., Glendale, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Hauling scraper. 2,278,036; Mar. 31.

Blackburn, Jasper, Webster Groves, Mo. Shifting device. 2,277,675; Mar. 31.

Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,278,362; Mar. 31.

Blakeslee, G. S., & Co. (See Karp, Edward J., assignor.)

Blanchard, Forrest S., Stoneham, assignor to Ideal Can Company, Everett, Mass. Mop wringer. 2,277,676; Mar. 31.

Blaser, Paul, Rosevear, Alberta, assignor of five percent to T. L. W. Matter, Leduc, Alberta, Canada. Wheel suspension for motor vehicles. 2,278,303; Mar. 31.

Blechner, Adolf C. (See Klahn, Edwin, assignor.)

Blood, Harold L., and C. L. Anderson, assignors to The Heald Machine Company, Worcester, Mass. Offsetting arrangement for boring tools and the like. 2,277,950; Mar. 31.

Bloomberg, Joseph E., assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Cushioned seat and making the same. 2,277,951; Mar. 31.

Blount, Lloyd S., Summit, N. J., assignor, by mesne assignments, to International Cigar Machinery Company. Apparatus for perforating and cleaning cigars. 2,277,686; Mar. 31.

Bodi, Samuel A., Monroe, Mich. Core machine. 2,278,190; Mar. 31.

Bogenberger, Esther E., assignor of fifty percent to J. J. Helby, Milwaukee, Wis. Slide fastener. 2,278,388; Mar. 31.

Bogoslowsky, Boris, New York, N. Y. Machine for winding balls. 2,277,677; Mar. 31.

Bohn Aluminum & Brass Corporation. (See McCullough, W. E., and Goldsmith, assignors.)

Boice, Russell, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Decorating sheet material. 2,278,056; Mar. 31.

Bokich, Tony, Gary, Ind. Friction drive. 2,277,659; Mar. 31.

Boller, Ernest R., Cleveland Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preserving wood. 2,277,660; Mar. 31.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Automobile heating system. 2,277,814; Mar. 31.

Booth, Melville B., Allesley, assignor to The Keelavite Company Limited, Coventry, England. Rotary fluid pressure motor, pump, and the like. 2,277,661; Mar. 31.

Borel, Edouard V., Romont, Switzerland, assignor to Societe Anonyme Des Manufactures Des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electric furnace for melting glass. 2,277,678; Mar. 31.

Borel, Edouard V., Romont, Switzerland, assignor to Societe Anonyme Des Manufactures Des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electric furnace for melting glass. 2,277,679; Mar. 31.

Bornfieth, Harold L., Rochester, Minn. Counting device. 2,278,237; Mar. 31.

Borza, Raphael, Yonkers, N. Y. Electric switch, connector, and the like. 2,278,057; Mar. 31.

Boston Wire Stitcher Company. (See Moe, Herman A., assignor.)

Bottemiller, Merton M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic dispatch system. 2,278,346; Mar. 31.

Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticide. 2,277,680; Mar. 31.

Bowers, Cecilia E. (See Irenius, Joseph V., assignor.)

Bowie, Augustus J., San Francisco, Calif. Fuse. 2,278,058; Mar. 31.

Boyd, Joseph J. (See Polston, J. R., and Boyd.)

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Superregenerative magnetron receiver. 2277,841; Mar. 31.

Brandstetter, Alois, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,277,901; Mar. 31.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Asphalt and producing the same. 2,277,842; Mar. 31.

Brennan, Joseph B., Euclid, Ohio. Electrolytic device. 2,277,687; Mar. 31.

Brennan, Joseph B., Euclid, Ohio. Electrolytic device and making same. 2,278,161; Mar. 31.

Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)

Bridwell, Chalon E., Detroit, Mich. Pumping mechanism. 2,278,899; Mar. 31.

Brighton, Elbert, Trinidad, Colo. Brush. 2,277,682; Mar. 31.

Broecker, Lewis C., Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic valve. 2,278,122; Mar. 31.

Broeren, Frank L., Neenah, and S. N. Hope, Wauwatosa, assignors to Marathon Paper Mills Company, Rothschild, Wis. Dispenser. 2,277,815; Mar. 31.

Broshkevitch, Constantine T., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Conveyer mounting. 2,278,363; Mar. 31.

Brown Instrument Company, The. (See Burdick, E. C. and Ullman, assignors.)

Brown Instrument Company, The. (See Moore, Coleman B., assignor.)

Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Chucking means. 2,277,816; Mar. 31.

Brown & Sharpe Manufacturing Company. (See Holmes, Ossian G., assignor.)

Brown & Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)

Browne, Montague P., assignor to Mechanical Devices Corporation of America, Buffalo, N. Y. Sliding seat mounting for vehicles. 2,278,101; Mar. 31.

Buensod-Stacey Air Conditioning, Incorporated. (See Lea, Edward S., assignor.)

Bunnin, Harry C., Bedford, Ohio. Electric clock. 2,278,364; Mar. 31.

Burdick, Edwin C., Philadelphia, and R. Ullman, Boslyn, assignors to The Brown Instrument Company, Philadelphia, Pa. Pressure measuring instrument. 2,277,681; Mar. 31.

Burnett, Richard W., Chicago, Ill. Running board for railway cars. 2,278,191; Mar. 31.

Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave arrangement. 2,278,238; Mar. 31.

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Hose coupling. 2,278,239; Mar. 31.

Calleson, Amos and E. A., Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Coil unwinder. 2,278,240; Mar. 31.

Calleson, Edgar A. (See Calleson, Amos and E. A.)

Cambridge, Harry O., Chehalis, Wash. Wheel mounting. 2,277,843; Mar. 31.

Cameron Iron Works. (See Allen, H., and Lorehn, assignors.)

Campbell, Henry W. (See Karp, I. C., and Campbell.)

Cantacuzène, Georges S., Paris, France. Thermic process. 2,278,192; Mar. 31.

Carey-McFall Company. (See Whaley, William, assignor.)

Carey, Philip, Manufacturing Company, The. (See Moeller, William J., assignor.)

Carbide and Carbon Chemicals Corporation. (See Patton, Carl W., assignor.)

Carbide and Carbon Chemicals Corporation. (See Rugeley, Edward W., assignor.)

Carbonaro, Gaetano, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Actuator. 2,277,902; Mar. 31.

Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,277,818; Mar. 31.

Carlton Corporation. (See McMullen, Carlton L., assignor.)

Carroll, Ellsworth W., San Carlos, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Inspecting fruit for position. 2,277,903; Mar. 31.

Case, Noel L. (See McKelge, E. E., and Case.)

Case, Theodore W., Auburn, N. Y. Apparatus for producing high frequency mechanical vibrations. 2,278,241; Mar. 31.

Cattonar, John, Brooklyn, and G. Olm, Astoria, assignors to E. Ermold Co., New York, N. Y. Packaging machine. 2,277,688; Mar. 31.

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Celanese Corporation of America. (See Guyler, Albert F., assignor.)

Celotex Corporation, The. (See Swenson, George E., assignor.)

Chain Belt Company. (See Ball, Charles F., assignor.)

Chain Belt Company. (See Klaucke, Hermann, assignor.)

Chain Belt Company. (See Lind, Arthur C., assignor.)

Chain Belt Company. (See Steindorf, Robert T., assignor.)

Chambers, Francis S., and W. E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Free-flowing sodium nitrite product and preparation. 2,278,059; Mar. 31.

Chapelle, Robert A. H. P., Beaucaire, France. Fruit stoning machine. 2,278,400; Mar. 31.

Chapman, Robert L., Erie, Pa., assignor to General Electric Company. Evaporative cooler. 2,278,242; Mar. 31.

Chemical Marketing Company Inc. (See Schulz, H., and Wagner, assignors.)

Cherry-Burrell Corporation. (See Weinreich, C. F., and Voggenthaler, assignors.)

Chicago Pump Company. (See Lannert, William H., assignor.)

Chrisman, John L. (See MacClatchie, J. W., and Chrisman.)

Christensen, Alfred C., assignor to H. S. Simpson, Chicago, Ill. Foundry sand moisture tester. 2,277,953; Mar. 31.

Christman, John M. (See Barter, H. L., and Christman.)

Christmann, Ludwig J., Yonkers, N. Y., D. W. Jayne, Jr., Old Greenwich, and S. E. Erickson, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Mineral concentration. 2,278,060; Mar. 31.

Chrysler Corporation. (See Hansen, Wray C., assignor.)

Chrysler Corporation. (See La Brie, Ludger E., assignor.)

Chrysler Corporation. (See Syrovy, Augustin J., assignor.)

Chrysler Corporation. (See Syrovy, A. J., and Iavelli, assignors.)

Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)

Cities Service Oil Company. (See Franson, Elmer I., assignor.)

Clapper, John S., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Power-driven mowing machine. 2,277,844; Mar. 31.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flexible thermostat control. 2,277,845; Mar. 31.

Clark Equipment Company. (See Dence, D. S., Eaton, and Lapsley, assignors.)

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric compositions. 2,277,689; Mar. 31.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar piercer. 2,277,690; Mar. 31.

Clements, Albert, Berwyn, assignor to Verson Allsteel Press Company, Chicago, Ill. Screw press. 2,278,243; Mar. 31.

Clesi, N. J. (See Mayeux, T. L., and Levey, assignor.)

Clouse, Earl L., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Pull-out hangrod. 2,277,954; Mar. 31.

Cockerell, Christopher, Danbury, and G. P. Parker, Chelmsford, England, assignors to Radio Corporation of America. Radio transmitter. 2,277,955; Mar. 31.

Colell, Richard F., Edgbaston, Birmingham, assignor to The Austin Motor Company, Limited, Northfield, Birmingham, England. Internal combustion engine of compression ignition type. 2,278,247; Mar. 31.

Coleman, John C. (See Flosdorf, E. W., and Coleman.)

Colgate-Palmolive-Peet Company. (See Heald, Robert F., assignor.)

Colonial Radio Corporation. (See Pifer, Marion J., assignor.)

Connecticut Telephone & Electric Corporation. (See Sege, Igor B., assignor.)

Conners, Carl L., assignor to W. F. Stimpson, Louisville, Ky. Weighing scale. 2,277,957; Mar. 31.

Conners, Carl L., assignor to W. F. Stimpson, Louisville, Ky. Weighing scale. 2,277,958; Mar. 31.

Conrad, Joseph D., Springfield, and K. R. Stearns, Prospect Park, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Joint construction. 2,278,304; Mar. 31.

Consolidated Trimming Corporation. (See Klahre, Hugo A., assignor.)

Constant Speed Airscrews Limited. (See Marshall, Frederick G., assignor.)

Continental Aviation and Engineering Corporation. (See Kinnucan, James W., assignor.)

Cook, John L., assignor, by mesne assignments, to Wrentham Products Company, Wrentham, Mass. Tap stud or the like. 2,278,377; Mar. 31.

Coons, Curtis C., North Canton, Ohio, and R. S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,278,378; Mar. 31.

Cope, John H., Jr., Skiatook, Okla. Packing means for pump rods. 2,278,347; Mar. 31.

Cordova, José J., Buenos Aires, Argentina. Valve and the like. 2,278,246; Mar. 31.

Corn Products Refining Company. (See Sturken, Oswald C. H., assignor.)

Corning Glass Works. (See Hoffman, V. E., and Keim, assignors.)

Couch, Forrest J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Stacking machine. 2,277,846; Mar. 31.

Counselman, Theodore B., Evanston, Ill., assignor to The Dorr Company, Inc., New York, N. Y. Classification. 2,277,817; Mar. 31.

Courlang, Maurice, Dorchester, and L. Gonick, Roxbury, Mass. Sinew puller. 2,278,162; Mar. 31.

Craig, William D. (See Rhoads, A. B., and Craig.)

Craig, Willis G., Redlands, assignor to J. W. Jean, Altadena, Calif. Catalytic hydrocarbon reactions and catalysts therefor. 2,277,819; Mar. 31.
Crawford, Wilbur F., Waco, Tex. Tent canvas protector. 2,277,742; Mar. 31.
Crossman, Robert B., San Antonio, Tex. Arrow. 2,277,743. Mar. 31.
Crown Cork & Seal Company. (See Calleson, Amos and E. A., assignors.)
Cullin, Jasper F., Detroit, Mich., assignor of two-thirds to L. Mervis, Lock Haven, Pa. Propeller. 2,278,247; Mar. 31.
Cullon, Alexander B., Detroit, Mich. Slide operated lock for the breech-blocks of firearms. 2,277,959; Mar. 31.
Culp, Jay S., Detroit, Mich. Carburetor. 2,278,305; Mar. 31.
Cuming, Ella B., executrix. (See Cuming, George W.)
Cuming, George W., deceased, New York, N. Y., by E. B. Cuming, Charlottetown, Prince Edward Island, Canada, executrix, assignor to M. A. Cuming & Company, Inc., New York, N. Y. Hat machine. 2,277,820; Mar. 31.
Cuming, M. A., & Company. (See Cuming, George W., assignor.)
Cupery, Martin E., and A. P. Tanberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,277,744; Mar. 31.
Curwen, Ernest C., Salem, and R. M. Gardner, Swampscott, assignors to Hygrade Sylvania Corporation, Salem, Mass. Apparatus for lamp manufacture. 2,277,691; Mar. 31.
Cushman, Travers K., Anaheim, and C. A. Pullen, assignors to a partnership composed of C. A. Pullen and M. Sherman, Santa Ana, Calif. Vacuum control for power sweeper broom. 2,278,306; Mar. 31.
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Dalkowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Illuminating dry shaver. 2,278,061; Mar. 31.
Daniels, Dwight C., Worcester, Mass. Electrically actuated apparatus. 2,278,365; Mar. 31.
Darrah, William A., Chicago, Ill. Process and apparatus for monitoring gases. 2,278,248; Mar. 31.
Davenport Machine Tool Co. (See Silva, Frederick G., assignor.)
Davis, Charles H., Saugus, Mass., assignor to General Electric Company. Hydraulic control mechanism. 2,278,249; Mar. 31.
Davis, Floyd E., Gary, Ind. Tool for handling rails and the like. 2,278,102; Mar. 31.
Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,277,847; Mar. 31.
Day, Harold M. (See Jayne, D. W., Jr., Erickson, and Day.)
Day and Zimmerman, Incorporated. (See Badenhausen, John P., assignor.)
Dayton Pump & Mfg. Co. (See Horvath, Anthony G., assignor.)
De Groote, Melvin, University City, Mo., assignor, by mesne assignments to Petrolite Corporation, Ltd. Aldimine salts of petroleum sulphonic acids. 2,278,163; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,164; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,165; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,166; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,167; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,168; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,169; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum. 2,278,170; Mar. 31.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,278,171; Mar. 31.
De Kohorovich, Alfredo, Rio de Janeiro, Brazil. Self-locking bolt with elastic washers of variable thickness. 2,278,062; Mar. 31.
De Lange, Owen E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation system. 2,278,063; Mar. 31.
Delano, Howard A., Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Method of and apparatus for welding. 2,277,848; Mar. 31.
Delray Manufacturing Company. (See Duffy, Thomas I., assignor.)
Dence, Donald S., E. E. Eaton and R. Lapsley, Berrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Gearshift control. 2,277,745; Mar. 31.
Denison, William E., assignor to Ditto, Incorporated, Chicago, Ill. Moistening mechanism. 2,277,960; Mar. 31.
Dennison Manufacturing Company. (See McIntire, Wesley H., assignor.)
De Simó, Martin, Piedmont, and J. J. O'Connor, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulphonates. 2,278,064; Mar. 31.
Detmers, Fred E., Los Angeles, Calif. Brace. 2,277,961; Mar. 31.
Detrich Insulation Engineers, Inc. (See Hosbein, Louis H., assignor.)
Diederich, Paul E., Detroit, Mich. Vehicle air conditioner. 2,277,962; Mar. 31.
Diesbach, Frederick B., assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio. Telescope support. 2,278,250; Mar. 31.
Diesbach, Fritz G., et al. (See Diesbach, Frederick B., assignor.)
Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,278,172; Mar. 31.
Discher, Edward W., Milwaukee, Wis. Return runway for bowling balls. 2,278,193; Mar. 31.
Ditchfield, Frank, assignor to The Yungstown Steel Door Company, Cleveland, Ohio. Sliding lift door. 2,278,065; Mar. 31.
Ditto, Incorporated. (See Denison, William E., assignor.)
Ditto, Incorporated. (See Gibson, James L., assignor.)
Ditto, Incorporated. (See Morrison, Robert F., assignor.)
Dixie-Vortex Company. (See Barbieri, Cesare, assignor.)
Domack, Kurt, and K. Eisele, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Local oscillator circuit in superheterodyne receivers. 2,278,066; Mar. 31.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Transmission system. 2,278,251; Mar. 31.
Donnell, Lloyd H., Chicago, Ill. Measuring instrument. 2,278,194; Mar. 31.
Dormeyer, A. F., Mfg. Co. (See Strauss, H. M. A., and Harbaugh, assignors.)
Dorr Company, The. (See Counselman, Theodore B., assignor.)
Dow Chemical Company, The. (See Heath, S. B., and Minger, assignors.)
Dow Chemical Company, The. (See Smith, F. B., and Moll, assignors.)
Downs, Harold R., Tulsa, Okla. Fluid regulator. 2,277,746; Mar. 31.
Dreibuss, Frances, administratrix. (See Dreibuss, H. C., and Spenner.)
Dreibuss, Harry C., deceased; F. Dreibuss, administratrix and F. H. Spenner, assignors to Scullin Steel Co., St. Louis, Mo. Car truck. 2,277,963; Mar. 31.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Artificial textile materials, etc. 2,277,747; Mar. 31.
Dritz, Arthur, Brooklyn, N. Y. Swinging target toy. 2,277,904; Mar. 31.
Dubberke, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier. 2,277,662; Mar. 31.
Duffy, Thomas I., assignor to Delray Manufacturing Company, Detroit, Mich. Crank mechanism for bicycles. 2,277,748; Mar. 31.
Dunmore, Francis W., Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of Commerce and his successors. Measuring cloud height and thickness. 2,277,692; Mar. 31.
Dunn, Guy A. (See Ness, C., Kojola, and Dunn.)
Duplex Envelope Company, The. (See Sadler, John E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Boice, Russell, assignor.)
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bousquest, Euclid W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Chambers, F. S., and Kirst, assignors.)
Du Pont, E. I., de Nemours & Company. (See Cupery, M. E., and Tanberg, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellsworth, D. C., and Hahn, assignors.)
Du Pont, E. I., de Nemours & Company. (See Graves, George De Witt, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hull, Richard O., assignor.)
Du Pont, E. I., de Nemours and Company. (See Reese, John S., IV., assignor.)
Du Pont, E. I., de Nemours and Company. (See Ruebensaal, Clayton F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Shipp, J. H., and Smith, assignors.)

Dutfield, Albert E., Streatham Park, London, and E. J. Rawlings, Putney, London, assignors to Rawlings Manufacturing Company Limited, London, England. Mounting of windows and like panels. 2,278,348; Mar. 31.
Dyba, Stanley P., et al. (See Hunter, John C., assignor.)
Dybvig, Henry G., Dayton, Ohio, assignor to J. Q. Sherman, Dayton, Ohio, deceased; K. M. Sherman, W. C. Sherman, and W. B. Turner, executors. Pin type feeding device. 2,277,693; Mar. 31.
E. A. Laboratories, Inc. (See Aufiero, John R., assignor.)
E. A. Laboratories, Inc. (See Carbonard, Gaetano, assignor.)
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastman Kodak Co. (See Murray, A., and Yule, assignors.)
Eaton, Ernest E. (See Dence, D. S., Eaton, and Lapsley.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Condition control system and apparatus. 2,278,252; Mar. 31.
Eaton, Warren S., Los Angeles, Calif., assignor to Radio Corporation of America. Radio direction finder. 2,277,905; Mar. 31.
Eaton, Warren S., Los Angeles, Calif., assignor to Radio Corporation of America. Phase indicator. 2,277,906; Mar. 31.
Eckel, Vincent W., Alhambra, and L. A. Sanchez, assignors, by mesne assignments, to Octanizers, Incorporated, Huntington Park, Calif. Device for introducing combustion controlling and other substances into internal combustion engines. 2,277,749; Mar. 31.
Eckenboy, Russell, Hammond, Ind. Marble shooter. 2,277,964; Mar. 31.
Economopulos, Bill. (See Patrick, Rex D., and Economopulos.)
Edison General Electric Applicance Company. (See Kempton, Leslie A., assignor.)
Edwin, John, Houston, Tex. Alidade. 2,277,965; Mar. 31.
Elnson-Freeman Co. (See Horr, John V., assignor.)
Eisele, Karl. (See Domack, K., and Eisele.)
Eisler, Alphonse H., Jr., New Orleans, La. Battery post connector. 2,278,307; Mar. 31.
Electric Arc., Inc. (See Holslag, Claude J., assignor.)
Electrolux Corporation. (See Müller, Arthur, assignor.)
Electrolux Corporation. (See Ross, Adrian E., assignor.)
Ellsworth, Deane C., deceased, by J. F. Haskins, administrator, Wilmington, Del., and F. C. Hahn, Upper Montclair, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ether products. 2,278,389; Mar. 31.
Ellsworth, George C., Cleveland Heights, Ohio. Dispensing device. 2,278,253; Mar. 31.
Emery, William M., Cleveland Heights, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Sewer cleaner. 2,278,067; Mar. 31.
Enghauser, Winford L., Cincinnati, assignor to The Production Plating Works, Inc., Lebanon, Ohio. Apparatus for forming heating coils. 2,278,254; Mar. 31.
Enquist, Melvin A., Sugar Land, Tex. Valves. 2,277,750; Mar. 31.
Ericks, Walter P., Coscob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing hydroxyalkyloxyalkyl cyanamides. 2,277,821; Mar. 31.
Erickson, Stephen E. (See Christmann, L. J., Jayne, Jr., and Erickson.)
Erickson, Stephen E. (See Jayne, D. W., Jr., Erickson, and Day.)
Ermold, Edward, Co. (See Cattonar, J., and Olm, assignors.)
Essl, Max, Norwood, Pa., assignor to The Baldwin Locomotive Works. Valve mechanism. 2,277,822; Mar. 31.
Evans, Robert D., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ground fault neutralizer. 2,277,860; Mar. 31.
Eversman Mfg. Co. (See Shumaker, Lawrence E., assignor.)
Ewins, Arthur J., and H. J. Barber, Romford, G. Newbery, Hutton Mount, J. N. Ashley, Upminster, and A. D. H. Self, Hornchurch, assignors to May & Baker, Limited, London, England. Preparation of diamidine derivatives. 2,277,861; Mar. 31.
Ewins, Arthur J., and H. J. Barber, Romford, G. Newbery, Hutton Mount, J. N. Ashley, Upminster, and A. D. H. Self, Hornchurch, assignors to May & Baker Limited, London, England. Preparation of diamidine derivatives. 2,277,862; Mar. 31.
Fafnir Bearing Company, The. (See Zotter, John F., assignor.)
Fairchild, Harry W., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Quick detachable coupling or fitting. 2,278,308; Mar. 31.
Falconer, Charles R., Milwaukee, and G. H. Koester, Wauwatosa, Wis. Smoke elevator. 2,277,694; Mar. 31.
Farmer, Frank H. (See Johnson, V. E., Farmer, Simpson, and Stewart.)
Fawick General Company, The. (See Fawick, Thomas L., assignor.)
Fawick, Thomas L., assignor to The Fawick General Company, Inc., Akron, Ohio. Assembly for clutches, brakes, and the like. 2,278,068; Mar. 31.
Felt & Tarrant Mfg. Co. (See Niemann, Frederick A., assignor.)
Feltman, Eric G. (See Strauss, A., Feltman, Hunt, and Harbaugh.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Brandstetter, Alois, assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten. (See Lösch, Peter, assignor.)
"Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Thies, W., Wolf and Topfer, assignors.)
Finley, Sam E., Atlanta, Ga. Apparatus for mixing mineral aggregate. 2,278,069; Mar. 31.
Fisher, Howard J., Crestline, Ohio. Auxiliary tread for dual wheel assemblies. 2,278,070; Mar. 31.
Fisher, Ilif F., French Camp, Calif. Combined contour making and leveling machine. 2,278,349; Mar. 31.
Fitz Gerald, Alan S., Wynnewood, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical control system. 2,277,849; Mar. 31.
Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)
Flosdorf, Earl W., Upper Darby, and J. C. Coleman, Wyndmoor, Pa., assignor to F. J. Stokes Machine Company. Vacuum gauge. 2,278,195; Mar. 31.
Flower City Specialty Company. (See Nagle, Reginald A., assignor.)
Fluharty, William G., Rockville Centre, assignor to The Western Union Telegraph Company, New York, N. Y. Tape feeding apparatus. 2,278,196; Mar. 31.
Ford, Ben K., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 2,278,366; Mar. 31.
Foster, George H., Stamford, and D. W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of guanyl urea. 2,277,823; Mar. 31.
Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, Ridgewood, N. J. Magazine and film handling apparatus. 2,277,695; Mar. 31.
Foxboro Company, The. (See Mason, Clesson E., assignor.)
Fram Corporation. (See Wilkinson, James W., assignor.)
Francis, Charles B., Pittsburgh, and L. E. Riddle, Duquesne, Pa. Reclamation of the fine dust from blast furnaces using manganese ores. 2,277,663; Mar. 31.
Franks, Roye W., Little Rock, Ark. Draft control. 2,277,751; Mar. 31.
Franson, Elmer I., Lakewood, Ohio, assignor to Cities Service Oil Company, New York, N. Y. Grease dispensing apparatus. 2,277,824; Mar. 31.
Franzkowiak, Nicholas W., Schaller, Iowa. Control lever for farm implements. 2,277,966; Mar. 31.
Fraser, Eugene P. (See Ashley, F. M., and Fraser.)
Frech, Theodore W., Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge lamp circuit. 2,278,256; Mar. 31.
Freeman, Raymond A. (See Lundquist, A., Freeman, and Wieking.)
Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. Modulated-carrier wave-signal receiver. 2,277,850; Mar. 31.
Freeman, Stephen E., Wauwatosa, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Fractionation of free fatty acids. 2,278,309; Mar. 31.
Freimann, Frank, and W. E. Kieruff, assignors to The Magnavox Company, Inc., Fort Wayne, Ind. Film rewind for picture projector. 2,278,367; Mar. 31.
Frères, Sulzer, Société Anonyme. (See Lieberherr, Hans, assignor.)
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical matrix. 2,277,825; Mar. 31.
Frey, Samuel, Brooklyn, N. Y. Article of furniture. 2,277,752; Mar. 31.
Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Transfer mechanism for multiple station headers. 2,278,103; Mar. 31.
Frost, Frederick H., Portland, and K. E. Terry, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Preparation of mineral-coating composition. 2,277,952; Mar. 31.
Frost, Walter, Saarau, Kreis Schweidnitz, Schlesien, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany. Condensation products containing sulphur. 2,278,368; Mar. 31.
Fuller, Frederic B. (See Guibert, F. W., and Fuller.)
Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Rayon manufacture. 2,277,753; Mar. 31.
Gallagher, Daniel P., Harrison, N. J. Frosting glass. 2,278,257; Mar. 31.
Ganger, Jesse R., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,277,851; Mar. 31.
Gardner, Roland M. (See Curwen, E. C., and Gardner.)
Gass, Harold, New York, N. Y. Hose clamp. 2,278,071; Mar. 31.
Gastro-Photor Laboratories. (See Back, Franz G., assignor.)
Gazdik, Ivan. (See Lessig, E. T., and Gazdik.)

General Aniline & Film Corporation. (See Greune, H., and Langbein, assignors.)
General Aniline & Film Corporation. (See Lange, Hans, assignor.)
General Electric Company. (See Adams, Lester V., assignor.)
General Electric Company. (See Chapman, Robert L., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Davis, Charles H., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Frech, Theodore W., assignor.)
General Electric Company. (See Lauder, Arthur H., assignor.)
General Electric Company. (See Lewis, Harry E., assignor.)
General Electric Company. (See Mathes, Kenneth N., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Otis, A. N., and Mohler, assignors.)
General Electric Company. (See Runaldue, Lewis R., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Wright, James G. E., assignor.)
General Motors Corporation. (See Broshkevitch, Constantine T., assignor.)
Germeshausen, Kenneth J., Cambridge, assignor to H. E. Grier, Newton Centre, Mass. Flash-photography apparatus. 2,277,698; Mar. 31.
Gibson, James L., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,277,967; Mar. 31.
Gilbert, Benjamin D., New York, N. Y. Duplicating machine. 2,278,197; Mar. 31.
Gillett, Leon L., Scranton, Pa. Boot hanger. 2,278,258; Mar. 31.
Giroux, Henry, Westfield, assignor to The F. W. Sickles Company, Chicopee, Mass. Antenna. 2,277,826; Mar. 31.
Gischow, Otto R., New York, N. Y. Propeller and the like. 2,278,259; Mar. 31.
Glenn, Wesley J. (See Hess, O. G., and Glenn.)
Goddu, Lloyd W., assignor to American Optical Company, Southbridge, Mass. Abrading tool. 2,277,696; Mar. 31.
Godsey, Frank W., Jr., assignor to Sprague Specialties Co., North Adams, Mass. Electrical condenser. 2,277,968; Mar. 31.
Goering, Oscar J., Lansdale, Pa. Flashlight camera. 2,278,173; Mar. 31.
Goldblatt, Henry J. (See Landgraf, Myron J., assignor.)
Golden, Robert F., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Screw and lock washer assembly. 2,277,852; Mar. 31.
Goldsmith, Allen L. (See McCullough, W. E., and Goldsmith.)
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Automatic lighter and display device. 2,278,130; Mar. 31.
Gonick, Louis. (See Courlang, M., and Gonick.)
Goodale, Walter D., Jr., Old Greenwich, Conn., A. Herckmans, Caldwell, N. J., and R. J. Tillman, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 2,277,907; Mar. 31.
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Goodrich, B. F., Company, The. (See Benson, Donald G., assignor.)
Goodrich, B. F., Company, The. (See Lessig, E. T., and Gazdik, assignor.)
Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
Gorse, William F. (See Scott, R. H., Gorse, and Hayward.)
Gottlieb, Manious, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic tripping mechanism. 2,278,310; Mar. 31.
Gould, Harold L. B., Towaco, and B. A. Kingsburg, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resistance device and manufacture thereof. 2,278,072; Mar. 31.
Government of the United States of America as represented by the Secretary of Commerce and his successors. (See Dunmore, Francis W., assignor.)
Government of the United States of America as represented by the Secretary of the Navy, The. (See Shanley, Francis R., assignor.)
Grabbe, Wendlin P., Hays, Kans., assignor to Magic Auto and Collapsible Life Boat Company, Denver, Colo. Amphibian. 2,278,255; Mar. 31.
Grand Rapids Store Equipment Company. (See Clouse, Earl L., assignor.)
Grant, Joseph E., Beverly Hills, Calif. Lantern slide folder. 2,277,969; Mar. 31.
Graves, George DeW., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,278,350; Mar. 31.
Gray, Charles B., Millbourne, Pa. Sheet metal nibbling tool. 2,278,174; Mar. 31.
Gray, Charles B., Millbourne, Pa. Sheet metal nibbling tool. 2,278,311; Mar. 31.
Greenberg, David B. (See Magnus, L., and Meyerhof, assignors.)
Greer, Denver H., San Francisco, Calif. Registering coin-savings bank. 2,278,008; Mar. 31.
Greune, Heinrich, Frankfort-on-the-Main, and G. Langbein, Hofheim in Taunus, Germany, assignors to General Aniline & Film Corporation. Dioxazine dyestuffs. 2,278,260; Mar. 31.
Grier, Herbert E., Cambridge, Mass. Electric system and apparatus. 2,277,697; Mar. 31.
Grier, Herbert E. (See Germeshausen, Kenneth J., assignor.)
Gulbert, Francis W., Beverly Hills, and F. B. Fuller, Whittier, Calif.; said Fuller assignor to said Gulbert. Indicating device. 2,277,699; Mar. 31.
Gulbert, Francis W., Beverly Hills, and F. B. Fuller, Whittier, Calif.; said Fuller assignor to said Gulbert. Compensating indicator. 2,277,700; Mar. 31.
Guy, Raymond F., Englewood, N. J., assignor to Radio Corporation of America. High frequency switch. 2,278,371; Mar. 31.
Guyler, Albert F., Spondon, near Derby, England, assignor to Celanese Corporation of America. Sorting of yarn packages. 2,277,754; Mar. 31.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Stoker. 2,278,175; Mar. 31.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing Machine. 2,277,970; Mar. 31.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,277,971; Mar. 31.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting device. 2,277,972; Mar. 31.
Hahn, Frederick C. (See Ellsworth, D. C., and Hahn.)
Hall, Buford W., Los Angeles, Calif. Flower container. 2,278,198; Mar. 31.
Hall, Frank W., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Laminated glass. 2,278,369; Mar. 31.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,278,009; Mar. 31.
Hanna, George R. (See Mowers, Osmyn.)
Hansen, Wray C., assignor to Chrysler Corporation, Highland Park, Mich. License plate bracket mounting. 2,277,755; Mar. 31.
Harbaugh, Watson D. (See Strauss, H. M. A., and Harbaugh.)
Harbaugh, Watson D. (See Strauss, A., Feltman, Hunt, and Harbaugh.)
Hardy, Cortner M. (See McKee, William F., assignor.)
Hare, Donald G. C., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for measuring thickness. 2,277,756; Mar. 31.
Harkness, Thomas S., London, England. Projection screen. 2,278,073; Mar. 31.
Harper, Philip S., Chicago, Ill., assignor to Harper-Wyman Company. Fitting for gas burners. 2,277,757; Mar. 31.
Harper-Wyman Company. (See Harper, Philip S., assignor.)
Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,278,402; Mar. 31.
Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Wire fabric device. 2,278,104; Mar. 31.
Hartford-Empire Company. (See Morgan, Donald K., assignor.)
Haskelite Manufacturing Corporation. (See Meyercord, George R., assignor.)
Haskins, Joseph F., administrator. (See Ellsworth, D. C., and Hahn.)
Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)
Hauel, Anna P., Lancaster, N. Y. Producing electrode pastes. 2,277,973; Mar. 31.
Hauf, George F., River Forest, Ill. Flexible pipe joint. 2,278,074; Mar. 31.
Havens, Howard F., and J. Wiederhold, Dubuque, Iowa. Change-speed transmission and control therefor. 2,278,351; Mar. 31.
Havlis, Adolph J., Oak Park, assignor to Keystone Metal Products Co., Chicago, Ill. Tumbler rack. 2,278,390; Mar. 31.
Havlis, Albert F., et al. (See Hunter, John C., assignor.)
Hawkins, Frank J., Hyattsville, Md. Shield. 2,277,758; Mar. 31.
Hayes, Elmer H. (See Kramer, Harold, assignor.)
Hayward, Arthur S. (See Scott, R. H., Gorse, and Hayward.)
Hazeltine Corporation. (See Freeman, Robert L., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heagle, Collin H., St. Louis, Mo., assignor to E. J. Svenson, Rockford, Ill. Heating device. 2,277,974; Mar. 31.
Heald Machine Company, The. (See Blood, Harold L., and Anderson, assignors.)
Heald, Robert F., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Non-efflorescing bar soap. 2,278,352; Mar. 31.
Heath, Sheldon B., and F. R. Minger, assignors to The Dow Chemical Company, Midland, Mich. Dehydrating magnesium chloride. 2,277,827; Mar. 31.
Hecht, Ernest H., New York, N. Y. Holding device for towels and the like objects. 2,278,075; Mar. 31.
Heggem, Alfred G., Tulsa, Okla. Valve. 2,277,975; Mar. 31.
Helby, Joseph J. (See Bogenberger, Esther, assignor.)
Helmenstine, Leslie C., Madison, Wis. Battery lifting and carrying device. 2,277,976; Mar. 31.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,278,010; Mar. 31.
Hemphill Company. (See Smith, William L., Jr., assignor.)
Herckmans, Alfred. (See Goodale, W. D., Herckmans, and Tillman.)
Herman, William P., Providence, R. I. Apparatus for assembly of connector plugs. 2,278,176; Mar. 31.
Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,277,863; Mar. 31.
Hess, Onley G., Port Huron, and W. J. Glenn, Jeddo, Mich. Automobile jacking apparatus. 2,277,908; Mar. 31.
Hesse, Louis H., Roselle Park, N. J. Heat transfer system. 2,277,977; Mar. 31.
Heuschober, Elbert E., Fort Worth, Tex. Internal combustion motor. 2,277,759; Mar. 31.
Heyn, Myron, Detroit, Mich. Antispasmodics. 2,278,123; Mar. 31.
Higgins, Sigfried. (See Swan, H., and Higgins.)
Hill, Leland H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Voltage regulator. 2,278,261; Mar. 31.
Hoe, R., & Co. (See Lundquist, A., Freeman, and Wieking, assignors.)
Hoelscher, William G., assignor to The American Tool Works, Cincinnati, Ohio. Counterweight mechanism for drill spindles. 2,278,262; Mar. 31.
Hoelscher, William G., assignor to The American Tool Works, Cincinnati, Ohio. Speed indicator means. 2,278,263; Mar. 31.
Hoff, Eva M., joint tenant, et al. (See Jockisch, Fay, assignor.)
Hoff, Lester E., joint tenant, et al. (See Jockisch, Fay, assignor.)
Hoffman, Louis, Duluth, Minn. Steam pressing iron. 2,278,370; Mar. 31.
Hoffman, Vance E., and E. F. Kelm, assignors to Corning Glass Works, Corning, N. Y. Flowmeter. 2,277,760; Mar. 31.
Hoflich, William, Albany, Oreg. Slide fastener. 2,277,978; Mar. 31.
Hollengreen, Milburn A., and C. R. Mentzer, assignors to Landis Tool Company, Waynesboro, Pa. Spindle bearing. 2,278,264; Mar. 31.
Hollingsworth, Frank W., Jr., assignor to Walker Manufacturing Company, Philadelphia, Pa. Tape selvage harness. 2,278,265; Mar. 31.
Hollingsworth, Frank W., Jr., assignor to Walker Manufacturing Company, Philadelphia, Pa. Snap hook for tape selvage harnesses. 2,278,266; Mar. 31.
Holmes, Ossian G., Riverside, R. I., assignor to Brown & Sharpe Manufacturing Company. Collet. 2,278,267; Mar. 31.
Holslag, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Arc welding system. 2,277,909; Mar. 31.
Holtz, Ray F., Mount Lebanon, assignor to The Lithograph Press Manufacturing Company, Pittsburgh, Pa. Offset press cylinder adjusting and gauging construction. 2,278,312; Mar. 31.
Hoover Company, The. (See Coons, C. C., and Nelson, assignors.)
Hoover Company, The. (See Nesselmann, Kurt V., assignor.)
Hoover Company, The. (See Puchy, Clarence G., assignor.)
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hoover Company, The. (See Whitaker, Uncas A., assignor.)
Hope, Samuel N. (See Broeren, F. L., and Hope.)
Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing seal. 2,277,979; Mar. 31.
Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive rod bearing. 2,277,980; Mar. 31.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Valve. 2,278,313; Mar. 31.
Horr, John V., Hastings-on-Hudson, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display poster. 2,278,076; Mar. 31.
Horton, William M., Chicago, Ill. Vehicle lamp display device. 2,277,981; Mar. 31.
Horvath, Anthony G., assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio. Coiling hose. 2,277,864; Mar. 31.
Hosbein, Louis H., Glencoe, assignor to Detrick Insulation Engineers, Inc., Chicago, Ill. Roof vent. 2,277,982; Mar. 31.
Houchin, Lowell L., assignor to The Revalens Co., Columbus, Ohio. Apparatus for producing one-piece multifocal ophthalmic lenses. 2,278,314; Mar. 31.
Houdremont, Eduard, and H. Schrader, Essen, Germany, assignors, by mesne assignments, to Pantena Limited, Glarus, Switzerland. Manufacture of high speed steels. 2,278,315; Mar. 31.
Houston, Ross, Tacoma, Wash. Composite wooden flume. 2,277,701; Mar. 31.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,278,105; Mar. 31.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,278,106; Mar. 31.
Hoza, John, Belcamp, Md. Smoothing the linings of shoes. 2,278,199; Mar. 31.
Hubbard, William E., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla. Hydraulic pumping apparatus. 2,277,761; Mar. 31.
Huessy, Walter. (See Trachsel, Ernst, assignor.)
Hull, Charles J. (See Osborne, F. H., and Hull.)
Hull, Richard O., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Zinc plating ferrous articles. 2,277,664; Mar. 31.
Hulson Grate Company. (See Hulson, John W., assignor.)
Hulson, John W., assignor to Hulson Grate Company, Keokuk, Iowa. Grate structure. 2,278,316; Mar. 31.
Hulson, John W., assignor to Hulson Grate Company, Keokuk, Iowa. Grate structure. 2,278,317; Mar. 31.
Humes, Norman S. (See Monsarrat, N. G., and Humes.)
Hunt, Melville M. (See Strauss, A., Feltman, Hunt, and Harbaugh.)
Hunter, John C., Cincinnati, Ohio, assignor, by mesne assignments, to A. J., F., and A. F. Havlis, A. Zderad, and S. P. Dyba, co-partners doing business as Keystone Metal Products Company. Combination window shelf and flowerpot support. 2,278,391; Mar. 31.
Hydraulic Pumper Incorporated. (See Hubbard, William E., assignor.)
Hygrade Sylvania Corporation. (See Curwen, E. C., and Gardner, assignors.)
Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)
Iavelli, Teno. (See Syrovy, A. J., and Iavelli.)
Ideal Can Company. (See Blanchard, Forrest S., assignor.)
Ilmer, Louis, Cortland, N. Y. Automotive mileage reminder of the drum type. 2,277,665; Mar. 31.
Industrial Patents Corporation. (See Sanders, Marion D., assignor.)
Industrial Patents Corporation. (See Williams, Beverly E., assignor.)
Interchemical Corporation. (See Bamford, A. P., and Ritzau, assignors.)
Interchemical Corporation. (See Paardecamp, John B., assignor.)
Interchemical Corporation. (See Wickwire, Arthur M., Jr., assignor.)
International Cigar Machinery Company. (See Blount, Lloyd S., assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Cigar Machinery Company. (See Wahlstrom, Verner J., assignor.)
International Cigar Machinery Company. (See Zarfos, Clarence E., assignor.)
International Smelting and Refining Company. (See MacDonell, Vernon E., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Irenius, Joseph V., Brooklyn, N. Y., assignor to C. E. Bowers, Arlington, Va. Animated doll. 2,277,762; Mar. 31.
Jackson, Walter C., Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation. Splash guard. 2,277,666; Mar. 31.
Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,278,200; Mar. 31.
Jacobs, Clarence R., Scarsdale, N. Y. Acoustical apparatus. 2,277,983; Mar. 31.
James Manufacturing Company. (See Markey, George T., assignor.)
Jamieson, Leslie D., Toronto, Ontario, Canada. Lighter. 2,277,910; Mar. 31.
Jayne, David W., Jr. (See Christmann, L. J., Jayne, and Erickson.)
Jayne, David W., Jr. (See Foster, G. H., and Jayne.)
Jayne, David W., Jr., Old Greenwich, S. E. Erickson, Springdale, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Concentrating ore materials. 2,278,107; Mar. 31.
Jean, James W. (See Craig, Willis G., assignor.)
Jenkins, Frederick T., Seattle, Wash. Bulkhead door. 2,278,318; Mar. 31.

Jenkins, Seymour M., Forest Hills, N. Y., assignor to Armstrong Cork Company, Lancaster, Pa. Furnace construction. 2,277,984; Mar. 31.

Jeschke, Frank J., assignor, by mesne assignments, to Micromatic Hone Corporation, Detroit, Mich. Hydraulically actuated hone. 2,277,985; Mar. 31.

Jockisch, Fay, assignor of twenty per cent to R. B. and M. Lundy, Inglewood, as joint tenants, thirty per cent to L. E. and E. M. Hoff, Los Angeles, as joint tenants, and five per cent to A. F. Larrabee, Los Angeles, Calif. Interlocking lath. 2,278,077: Mar. 31.

Johns-Manville Corporation. (See Pearce, Gale T., assignor.)

Johnson, Charlie A., Dutton, Mont. Rod straightener. 2,278,353; Mar. 31.

Johnson, Jesse H., Denver, Colo. Spark plug cleaner. 2,277,911; Mar. 31.

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnson, Victor, Chicago, F. H. Farmer, Hinsdale, R. A. Simpson, Oak Park, and P. Y. Stewart, Chicago, Ill., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistor. 2,277,912; Mar. 31.

Johnston, Charles S., Glencoe, assignor to Transportation Specialties Company, Chicago, Ill. Floor rack for refrigerator cars. 2,278,354; Mar. 31.

Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. File support. 2,278,403; Mar. 31.

Joyce, Richard L., Ballsville, Va. Green corn trimmer. 2,278,108; Mar. 31.

Junkers Flugzeug-und-Motorenwerke, A. G. (See Lichte, A., and Kolbe, assignors.)

Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft. (See Scheibe, A., Valerius, and Wahenseil, assignors.)

Jurovaty, Ludwig, New York, N. Y. Dental floss applicator. 2,277,865; Mar. 31.

Kahn, Herbert M., Appleton, Wis. Chair. 2,278,078; Mar. 31.

Karnaghan, Clyde H., Memphis, Tenn. Antibite clip. 2,278,319; Mar. 31.

Karp, Edward J., assignor to G. S. Blakeslee & Co., Cicero, Ill. Whip. 2,277,986; Mar. 31.

Karp, Ira C., Cleveland, Ohio, and H. W. Compbell, Library, Pa., assignors to The American Steel and Wire Company of New Jersey. Coil supporting arbor. 2,278,109; Mar. 31.

Kaseberg, Theodore C., Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y. Operating machine for dumping doors. 2,277,987; Mar. 31.

Kath, Hilbert K., Rochester, Minn. Locking turnbuckle. 2,278,320; Mar. 31.

Keen, Alexis W., Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Making battery paste retainers. 2,277,763; Mar. 31.

Keir, James M., New York, N. Y., assignor to The Linde Air Products Company. Making cast metal ingots. 2,278,321; Mar. 31.

Keiser, Bernhard. (See De Groote, M., and Keiser.)

Kellavite Company Limited, The. (See Booth, Melville B., assignor.)

Keller, Konradin, Munich-Lochham, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Dynamometer. 2,278,201; Mar. 31.

Kelly Reamer Company, The. (See Berg, Herman, assignor.)

Kelm, Everett F. (See Hoffman, V. E., and Kelm.)

Kelsey-Hayes Wheel Company. (See Jacobi, Emil R., assignor.)

Kempton, Leslie A., Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc. Washing apparatus. 2,278,268; Mar. 31.

Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Slide suspension. 2,277,702; Mar. 31.

Kennedy, Howard L., and C. A. Uncapher, assignors to Kennedy Manufacturing Company, Van Wert, Ohio. Drawer slide. 2,277,703; Mar. 31.

Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)

Kennedy Manufacturing Company. (See Kennedy, H. L., and Uncapher, assignors.)

Kern, Donald Q. (See Othmer, D. F., and Kern.)

Kerrihard, Kenneth C., Evanston, Ill., assignor to Paper Patents Company, Neenah, Wis. Insulation element. 2,277,988; Mar. 31.

Kesling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,277,913; Mar. 31.

Kesling, Elmer G., Bloomfield, Mo. Gearshifting mechanism. 2,277,914; Mar. 31.

Keystone Metal Products Co. (See Havlis, Adolph J., assignor.)

Keystone Metal Products Company. (See Hunter, John C., assignor.)

Kieruliff, William E. (See Freimann, F., and Kieruliff.)

Kinatome Patents Corporation. (See Foster, Warren D., assignor.)

Kingsbury, Burton A. (See Gould, H. L. B., and Kingsbury.)

Kinnear, Leland P., Beaumont, Tex. Method and apparatus for drilling wells. 2,277,989; Mar. 31.

Kinnucan, James W., Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation. Lubricating pump. 2,278,110; Mar. 31.

Kinzle, Charles J., and E. Wainer, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Refractory. 2,277,704; Mar. 31.

Kinzle, Charles J., and E. Wainer, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Refractory composition and making the same. 2,277,705; Mar. 31.

Kirst, William E. (See Chambers, F. S., and Kirst.)

Kissinger, George B., Takoma Park, Md. Brick treating method and apparatus therefor. 2,277,764; Mar. 31.

Klahn, Edwin, assignor to A. C. Biechner, New York, N. Y. Picture stand. 2,277,765; Mar. 31.

Klahre, Hugo A., Teaneck, N. J., assignor to Consolidated Trimming Corporation, New York, N. Y. Loop guide and applying loops to a machine. 2,278,269; Mar. 31.

Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Twist chain. 2,277,915; Mar. 31.

Kleinpell, Gwendolyn A., Los Angeles, Calif. Tool for air pressure release bars of elevator doors. 2,278,111; Mar. 31.

Klemt, Charlie, assignor of two-fifths to P. H. Kruse, San Antonio, Tex. Coin collecting means. 2,277,916; Mar. 31.

Klumpp, Bessie, executrix. (See Klumpp, Ferdinand.)

Klumpp, Ferdinand, Weehawken, N. J., deceased; B. Klumpp, executrix, assignor to R. Reiner, Incorporated. Hosiery. 2,277,766; Mar. 31.

Knouse, Joseph J., Salem, and R. S. Stone, Lynn, assignors to B. A. Coffin, Peabody, Mass. Lag voltage controller and discharge lamp circuit. 2,278,079; Mar. 31.

Knutz, Jay H., and R. H. MacKinnon, Evanston, Ill. Switch. 2,278,322; Mar. 31.

Koenigkramer, Frank and F., Cincinnati, Ohio. Tilting structure for chairs and the like. 2,278,080; Mar. 31.

Koenigkramer, Frederick. (See Koenigkramer, Frank and F.)

Koester, Gustav H. (See Falconer, C. R., and Koester.)

Köhn, Claus H., assignor to Fritz Momendey & Sohn, Rapperswil, St. Gall, Switzerland. Cushion, mattress, and other resilient supports. 2, 277,853; Mar. 31.

Kojola, Hugo V. (See Ness, C., Kojola, and Dunn.)

Kolb, Paul H., Williamsport, Pa. Centrifugal speed control. 2,278,323; Mar. 31.

Kolbe, Ernst. (See Litchte, A., and Kolbe.)

Kollmann, Karl J., Erie, Pa. Coupling. 2,278,324; Mar. 31.

Köster, Paul E., Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Control means for gyroscopes. 2,278,379; Mar. 31.

Kovats, John, Fairfield, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Folding leg construction. 2,277,917; Mar. 31.

Kowinski, Morris, New York, N. Y. Doll cradle construction. 2,278,124; Mar. 31.

Kramer, Harold, Odessa, assignor of one-half to E. H. Hayes, Spokane, Wash. Leveling mechanism. 2,278,081; Mar. 31.

Kruse, Paul H. (See Klemt, Charlie, assignor.)

Kurzina, Stanley B., Jr., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Backpedaling brake for velocipedes. 2,278,270; Mar. 31.

L. G. S. Soring Clutches, Incorporated. (See Starkey, W. C., and Miller, assignors.)

LaBrie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Emergency brake control. 2,277,767; Mar. 31.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,278,177; Mar. 31.

Laitman, Michael, Brooklyn, N. Y. Container and making the same. 2,278,271; Mar. 31.

Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Combined keyboard tape transmitter. 2,277,706; Mar. 31.

Landgraf, Myron J., assignor to H. J. Goldblatt, Chicago, Ill. Food mixer. 2,278,125; Mar. 31.

Landis Tool Company. (See Hollengreen, M. A., and Mentzer, assignors.)

Langbein, Gerhard. (See Greune, H., and Langbein.)

Lange, Hans, Dessau, Anhalt, Germany, assignor to General Aniline & Film Corporation. Manufacture of 3-aryl-aminotetrahydrofuranes. 2,278,202; Mar. 31.

Lannert, William H., assignor to Chicago Pump Company, Chicago, Ill. Strainer. 2,278,178; Mar. 31.

Lanninger, Karl L., Frankfort-on-the-Main-Rodelheim, Germany. Pipe coupling. 2,277,990; Mar. 31.

Lansdowne Steel & Iron Company. (See Layton, LeRoy, assignor.)

Lapsley, Robert. (See Dence, D. S., Eaton, and Lapsley.)

Larrabee, Arthur F. (See Jockisch, Fay, assignor.)

Lauder, Arthur H., Schenectady, N. Y., assignor tot General Electric Company. Synchronous motor control system. 2,278,179; Mar. 31.

Layton, Le Roy, Lansdowne, assignor to Lansdowne Steel & Iron Company, Morton, Pa. Process for finishing forgings. 2,278,325; Mar. 31.

Lea, Edward S., Morrisville, Pa., assignor to Buensod-Stacey Air Conditioning, Incorporated, New York, N. Y. Extended surface heat exchanger. 2,278,086; Mar. 31.

Lecoq, Louis P. V., Neuilly-sur-Seine, France. Colloidal tertiary calcium phosphate. 2,277,854; Mar. 31.

Leeds & Northrup Company. (See Fitz Gerald, Alan S., assignor.)

Lee, Frederick W., Owings Mills, Md. Electrical impedisivity or resistivity measuring. 2,277,707; Mar. 31.

Leg-O-Matic Company, The. (See Kovats, John, assignor.)

Lehman, Frank H., Lebanon, Pa. Golf tee. 2,277,918; Mar. 31.

Lehman, Laurence N., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,278,272; Mar. 31.

Leonard, Edward J., Derby, Conn. Eyecup. 2,278,326; Mar. 31.

Leonard, John T., Bryan, Ohio. Pump. 2,277,991; Mar. 31.

Leonard, Wayne L. (See Ascheris, A. E., and Leonard.)

Lepetit, Albert, Montrouge, France. Intermittent recorder for angle measurement. 2,278,203; Mar. 31.

Le Sage, Aaron D., Manteno, Ill. Hand operated electric light signal device. 2,277,866; Mar. 31.

Lessig, Edward T., and I. Gazdik, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Improving the adhesion of rubber to fabrics. 2,278,355; Mar. 31.

Le Tourneau, R. G. (See Bird, Len O., assignor.)

Lever Brothers Company. (See Thomas, R., and Oakley, assignors.)

Levey, Harold A. (See Mayeux, T. L., and Levey.)

Lewis, Edward, Harriman, N. Y. Electric hair drier. 2,278,180; Mar. 31.

Lewis, Harry E., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing a gas atmosphere. 2,278,204; Mar. 31.

Lichte, August, Dessau-Alten, and E. Kolbe, assignors to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Germany. Fuel injection pump. 2,278,395; Mar. 31.

Lieberherr, Hans, assignor to Sulzer Frères, Société Anonyme, Winterhur, Switzerland. Engine and gear coupling. 2,278,181; Mar. 31.

Limbers, Don R., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass cutting apparatus. 2,278,273; Mar. 31.

Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Cutter blade holder for triturators. 2,278,274; Mar. 31.

Linde Air Products Company, The. (See Keir, James M., assignor.)

Line Material Company. (See Riggieri, Michael, assignor.)

Linotype and Machinery Limited. (See Scott, R. H., Gorse, and Hayward, assignors.)

Liptak, Stephen J., Aliquippa, Pa. Watch cleaning machine. 2,277,919; Mar. 31.

Lithograph Press Manufacturing Company, The. (See Holtz, Ray F., assignor.)

Livermore, William T., Grosse Pointe, Mich. Pump. 2,278,131; Mar. 31.

Livingston, Harry F., New York, N. Y. Mounting for electrical connectors. 2,278,356; Mar. 31.

Lockwood, Lewis B., Alexandria, and G. E. Ward, Arlington, Va., J. J. Stubbs, Washington, D. C., E. T. Roe, Arlington, and B. Tabenkin, Alexandria, Va., assignors to H. A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office. Fermentation process for the production of 2-ketogluconic acid. 2,277,716: Mar. 31.

Lofgren, Gustaf E., Riverside, Conn. Fan. 2,278,082; Mar. 31.

Lorehn, Edmond L. (See Allen, H., and Lorehn.)

Lösch, Peter, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. Electromagnetic self-interrupter. 2,277,867; Mar. 31.

Loustalet, Frank B., Berkeley, Calif. Curtain drier. 2,277,920; Mar. 31.

Lowe, Joseph N., New York, N. Y. Container protecting cushion and/or container. 2,278,083; Mar. 31.

Luchtenberg, Alexander. (See Malkomes, T., and Luchtenberg.)

Lundquist, Arvid, New York, R. A. Freeman, Hudson, and W. C. Wieking, Woodhaven, assignors to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism. 2,278,182; Mar. 31.

Lusby, George N. (See Thackeray, N. C., and Lusby.)

Lundy, Marie, joint tenant, et al. (See Jockisch, Fay, assignor.)

Lundy, Robert B., joint tenant, et al. (See Jockisch, Fay, assignor.)

Lynch, Robert S. (See Smith, R. S., and Lynch.)

Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)

Maatman, Egbert J., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,278,012; Mar. 31.

Macbeth, Albert C., Seattle, Wash. Car seat. 2,277,875; Mar. 31.

MacClatchie, John W., and J. L. Chrisman, Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Weight indicator. 2,277,925; Mar. 31.

MacClatchie Manufacturing Company. (See McClatchie, J. W., and Chrisman.)

MacDonald, Frank J., Brookline, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Last for footwear. 2,277,769; Mar. 31.

Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Molded back part. 2,277,770; Mar. 31.

MacDonell, Vernon E., Metuchen, N. J., assignor to International Smelting and Refining Company. Seal for furnace openings. 2,278,275; Mar. 31.

Mack, Alfred W. (See Mack, A., M. W., and A. W.)

Mack, Alfred, M. W., and A. W., Framingham, Mass., assignors of one-fourth to L. L. Witter, Boston, Mass. Illumination. 2,278,142; Mar. 31.

Mack, Mary W. (See Mack, A., M. W., and A. W.)

Macksoud, Michel E., Gloucester, Mass. Electric lamp. 2,277,876; Mar. 31.

Madden, Joseph A., Vancouver, British Columbia, Canada. Identification apparatus. 2,278,357; Mar. 31.

Maddox, Claude, Flemingsburg, Ky. Steam pressure cooker. 2,278,276; Mar. 31.

Magic Auto and Collapsible Life Boat Company. (See Grabbe, Wendlin P., assignor.)

Magnavox Company, The. (See Freimann, F., and Kieruliff, assignors.)

Magnus, Ludwig, and B. Meyerhof, assignors of thirty-seven and one-half percent to D. B. Greenberg, New York, N. Y., forty percent to said Magnus and twenty-two and one-half percent to said Meyerhof. Toy block. 2,278,327; Mar. 31.

Magrini, Pete, Belle Vernon, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of drawn glass. 2,278,328; Mar. 31.

Maguire, Russell. (See Thompson, Parke H., assignor.)

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,277,877; Mar. 31.

Malkomes, Theodor, and A. Luchtenberg, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Reel. 2,278,380; Mar. 31.

Marathon Paper Mills Company. (See Broeren, F. L., and Hope, assignors.)

Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically heated wearing apparel. 2,277,772; Mar. 31.

Markem Machine Company. (See Robbins, Charles F., assignor.)

Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Incubator. 2,278,205; Mar. 31.

Marshall, Frederick G., Leamington Spa, assignor to Constant Speed Airscrews Limited, Warwick, England. Deicing means for aircraft. 2,278,206; Mar. 31.

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Marvel Equipment Corporation. (See Roethel, John H., assignor.)

Marx, Louis, & Company. (See McKelge, E. E., and Case, assignors.)

Mason, Clesson E., assignor to The Foxboro Company, Foxboro, Mass. Control apparatus. 2,277,768; Mar. 31.

Mastic Asphalt Corporation. (See Snyder, Gilbert J., assignor.)

Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Spun glass products. 2,278,207; Mar. 31.

Matter, Theodore L. (See Blaser, Paul, assignor.)

Matthews, Howard C., Kingston, N. Y. Leaf holder. 2,278,143; Mar. 31.

Matys, Joseph, Southbridge, Mass. Hair drying appliance. 2,278,112; Mar. 31.

May & Baker, Limited. (See Ewins, A. J., Barber, Newbery, Ashley, and Self, assignors.)

Mayeux, Theard L., and H. A. Levey; said Levey assignor to N. J. Clesi, New Orleans, La. Indicating device. 2,278,084; Mar. 31.

Mayfield, George C., Richmond Heights, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston packing. 2,277,926; Mar. 31.

McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Thermostatic discharge tube. 2,277,708; Mar. 31.

McCollum, Alvie D., Stockton, Calif. Scraper. 2,278,329; Mar. 31.

McCormick, George, Redwood City, Calif. Journal box and lubricator. 2,278,404; Mar. 31.

McCullough, William E., and A. L. Goldsmith, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Heat exchange unit. 2,277,921; Mar. 31.

McGrath, John H., Seattle, Wash. Cardboard box. 2,277,773; Mar. 31.

McGregor, Thomas A., assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable seat supporting means. 2,277,927; Mar. 31.

McIntire, Wesley H., Auburndale, assignor to Dennison Manufacturing Company, Framingham, Mass. Merchandise display card and wrap. 2,278,037; Mar. 31.

McKee, William F., Belleville, Ill., assignor to Cortner M. Hardy, Henderson, Ky. Spray gun. 2,277,928; Mar. 31.
McKelge, Edward E., and N. L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Remote control system for toys. 2,278,358; Mar. 31.
McKinnon, Russell H. (See Knuts, J. H., and McKinnon.)
McLaughlin, William H., and G. H. Bendel, Gary, Ind. Actuating electrically controlled mechanisms. 2,278,067; Mar. 31.
McMullen, Carlton L., assignor to Carlton Corporation, Manchester, Conn. Support for tone tubes. 2,278,126; Mar. 31.
McMurray, Richard F., Oklahoma City, Okla. High pressure slip coupling. 2,277,922; Mar. 31.
McQuay-Norris Manufacturing Company. (See Mayfield, George C., assignor.)
McSkimin, Herbert J., Lyndhurst, and R. A. Sykes, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,277,709; Mar. 31.
McNab, Alexander, assignor to McNab of Bridgeport, Inc., Bridgeport, Conn. Oil seal ring for propeller shaft lubrication. 2,277,771; Mar. 31.
McNab of Bridgeport, Inc. (See McNab, Alexander, assignor.)
Mechanical Devices Corporation of America. (See Browne, Montague P., assignor.)
Mendelsohn, Louis H., Paterson, N. J. Hosiery and making same. 2,278,277; Mar. 31.
Mentzer, Charles R. (See Hollengreen, M. A., and Mentzer.)
Mercier, Adrien, Bois Colombes, France. Caterpillar tractor. 2,277,855; Mar. 31.
Mertzanoff, Christopher E., New York, and M. W. Potts, New Rochelle, N. Y. System for producing shoes and analogous articles. 2,277,710; Mar. 31.
Mervis, Lou. (See Cullin, Jasper F., assignor.)
Meyer, Edwin M., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio. Multipost line insulator. 2,278,330; Mar. 31.
Meyer, Henry W., Kalamazoo, Mich. Perpetual inventory device. 2,277,929; Mar. 31.
Meyercord, George R., Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Edge seal for metal-faced panels. 2,278,331; Mar. 31.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Fan construction. 2,277,868; Mar. 31.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Defrosting attachment. 2,277,869; Mar. 31.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,277,870; Mar. 31.
Meyerhof, Berthold. (See Magnus, L., and Meyerhof.)
Micari, Vincent, Upper Darby, Pa. Combined receptacle and clamp. 2,278,401; Mar. 31.
Micromatic Hone Corporation. (See Jeschke, Frank J., assignor.)
Milan, Joseph M., Highland Park, Mich. Disk brake. 2,278,144; Mar. 31.
Milestone, Walter E., Lakewood, B. B. West, Cleveland, and T. S. Ross, Cleveland Heights, Ohio; said West and said Ross assignors to said Milestone. Indicating mechanism for liquid dispensing apparatus. 2,278,145; Mar. 31.
Miller, Abe, Detroit, Mich. Fastening device for washing machines. 2,277,874; Mar. 31.
Miller, James F., Rochelle Park, N. J., assignor to Radio Corporation of America. Metal envelope radio tube. 2,278,278; Mar. 31.
Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe support. 2,277,774; Mar. 31.
Miller, Maurice H. (See Starkey, W. C., and Miller.)
Milwaukee Saddlery Company. (See Bloomberg, Joseph E., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Minger, Forest R. (See Heath, S. B., and Minger.)
Minneapolis-Honeywell Regulator Company. (See Bottemiller, Merton M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)
Minnis, George F., Chicago, Ill. Squeegee. 2,278,208; Mar. 31.
Mitchell, Loris E., Bloomfield, and A. J. Vasselli, Newark, N. J., assignor to Radio Corporation of America. Hermetic seal. 2,277,871; Mar. 31.
Mock, Frank C., and R. W. Moore, assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,277,930; Mar. 31.
Moe, Herman A., assignor to Boston Wire Stitcher Company, Warwick, R. I. Staple. 2,277,931; Mar. 31.
Moeller, William J., Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company. Composite panel board. 2,278,146; Mar. 31.
Mohler, Francis. (See Otis, A. N., and Mohler.)
Moineau, René J., Paris, France, assignor to Societe D'Exploitation des Brevets Moineau S. A. R. L., Luxemburg, Luxemburg. Aircraft. 2,278,147; Mar. 31.
Moll, Harold W. (See Smith, F. B., and Moll.)
Moloney, Raymond T. (See Nicholson, Ralph A., assignor.)
Mommendey, Fritz, & Sohn. (See Köhn, Claus H., assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Monsarrat, Nicholas G., East Providence, and N. S. Humes, Lincoln, assignors to Pantex Pressing Machine, Inc., Central Falls, R. I. Sludge collecting means for filters. 2,278,148; Mar. 31.
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control instrument. 2,278,132; Mar. 31.
Moore, Lee B., New York, N. Y. Knitting bag frame. 2,278,209; Mar. 31.
Moore, Robert W. (See Mock, F. C., and Moore.)
Moreau, Henri, Paris, France. Galvanometer contact device. 2,278,113; Mar. 31.
Morgan, Donald K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Plural tongs mechanism for glassware. 2,277,828; Mar. 31.
Morgenstern, Charles E., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Combined washing machine and drier. 2,277,923; Mar. 31.
Morris, Dale R., Greenville, Ohio. Warning signal for cooling systems of automobiles. 2,278,279; Mar. 31.
Morris, George J., Los Angeles, Calif. Silent antisiphon fixture. 2,277,878; Mar. 31.
Morrison, Robert F., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Sheet assembling apparatus. 2,277,924; Mar. 31.
Morton, Jack A., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,278,210; Mar. 31.
Mowers, Osmyn, and G. R. Hanna, Dallas, Tex. Door operating mechanism. 2,277,932; Mar. 31.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric circuits. 2,278,211; Mar. 31.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,278,212; Mar. 31.
Mueller, Robert, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 2,277,775; Mar. 31.
Müller, Arthur, Berlin-Johannisthal, Germany, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,277,933; Mar. 31.
Murdock, Forrest Lee, Tulsa, Okla. Paper pack holder. 2,278,011; Mar. 31.
Murphy, Edward R., Elizabeth, assignor of one-half to J. Slavitt, Newark, N. J. Connecting lead wires and terminals. 2,278,392; Mar. 31.
Murray, Alexander, and J. A. C. Yule, assignors to Eastman Kodak Company, Rochester, N. Y. Photomechanical process. 2,278,114; Mar. 31.
Murray Corporation, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Vodoz, Frederick W., assignor.)
Nagle, Reginald A., assignor to Flower City Specialty Company, Rochester, N. Y. Box. 2,278,359; Mar. 31.
National Carbon Company. (See Wells, Virgil H., assignor.)
National Cash Register Company, The. (See Ganger, Jesse R., assignor.)
National Cash Register Company, The. (See Lehman, Laurence N., assignor.)
National Lock Washer Company, The. (See Golden, Robert F., assignor.)
National Machinery Company, The. (See Friedman, John H., assignor.)
National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)
National Tube Company. (See Nielsen, Peer D., assignor.)
Nawman, Rollie B., Oakland, Calif., assignor to Special Equipment Company, Portland, Oreg. Apparatus for pitting half fruit. 2,277,711; Mar. 31.
Nelson, Peter G., Cleveland Heights, Ohio. Key holder. 2,278,088; Mar. 31.
Nelson, Rudolph S. (See Coons, C. C., and Nelson.)
Ness, Charles, Indianapolis, H. V. Kojola, Whiting, and G. A. Dunn, Beech Grove, Ind., assignors to The Prest-O-Lite Company, Inc. Apparatus for controlling the level of finely divided material within containers. 2,277,879; Mar. 31.
Nesselmann, Kurt V., Berlin-Siemensstadt, Germany, assignor to The Hoover Company, North Canton, Ohio. Refrigerating system. 2,278,133; Mar. 31.
Newbery, George. (See Ewins, A. J., Barber, Newbery, Ashley, and Self.)
New Britain Machine Company, The. (See Brown, Robert S., assignor.)
New Idea, Inc. (See Vutz, Wilhelm, assignor.)
Nicholson, Ralph A., assignor to Raymond T. Moloney, Chicago, Ill. Dispensing apparatus. 2,278,013; Mar. 31.
Niedercorn, Joseph G. (See Ayres, G. B., and Niedercorn.)
Nielsen, Peer D., Lorain, Ohio, assignor to National Tube Company. Flask stripper. 2,278,115; Mar. 31.
Nielsen, Peer D., Lorain, Ohio, assignor to National Tube Company. Mechanical stripping device. 2,278,116; Mar. 31.

Niemann, Frederick A., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Calculating machine. 2,278,183; Mar. 31.
Niemann, Frederick A., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Calculating machine casing. 2,278,405; Mar. 31.
Nineteen Hundred Corporation. (See Morgenstern, Charles E., assignor.)
Noble, Harley B., Washta, Iowa. Leveling attachment for tractors. 2,277,880; Mar. 31.
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
North American Rayon Corporation. (See Stoeckley, J. J., and Profft, assignors.)
Nottingham, Mark C., Temple City, Calif. Form for septic tanks. 2,278,089; Mar. 31.
Oakley, Henry B. (See Thomas, R., and Oakley.)
Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Driving mechanism. 2,277,829; Mar. 31.
O'Connor, John J. (See de Simó, M., and O'Connor.)
Octanizers, Incorporated. (See Eckel, V. W., and Sanches, assignors.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 2,277,881; Mar. 31.
Olin, John F., Grosse Ile, and E. J. Schwoegler, Wyandotte, Mich., assignors to Sharples Chemicals Inc. Manufacture of amines. 2,278,372; Mar. 31.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Manufacture of amines. 2,278,373; Mar. 31.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Condensation products of aldehydes and urea derivatives. 2,278,374; Mar. 31.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Condensation products of aldehydes and urea derivatives. 2,278,375; Mar. 31.
Olivant, Charles M., Bellaire, Long Island, N. Y. Detachable table for the back of chairs and the like. 2,278,014; Mar. 31.
Olm, George. (See Cattonar, J., and Olm.)
Olson, Simon J., Rockford, Ill. Punch. 2,278,184; Mar. 31.
Openshaw, Ralph A., Mesa, Ariz. Airplane stabilizer. 2,278,015; Mar. 31.
Origination, Incorporated. (See Rosenblatt, James S., assignor.)
Osborn, William D. (See Smith, Henry M., assignor.)
Osborn, William H., assignor to Phelps Dodge Corporation, New York, N. Y. Recovery of antimony. 2,278,134; Mar. 31.
Osborn, William H., assignor to Phelps Dodge Corporation, New York, N. Y. Press. 2,278,135; Mar. 31.
Osborne, Fred H., Snyder, and C. J. Hull, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Selector mechanism for automatic phonographs. 2,277,934; Mar. 31.
Oster Manufacturing Company, The. (See Emery, William M., assignor.)
Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Apparatus for vapor condensation. 2,278,085; Mar. 31.
Othmer, Donald F., Coudersport, Pa., and D. Q. Kern, Brooklyn, N. Y. Thiodiglycol production. 2,278,090; Mar. 31.
Otis, Albert N., and F. Mohler, Schenectady, N. Y., assignors to General Electrical Company. Continuous strip-annealing furnace. 2,278,136; Mar. 31.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Regulating apparatus. 2,278,016; Mar. 31.
Otto, William H., Newark, Ohio, assignor to Slayter Electronic Corporation. Electric discharge electrode. 2,277,712; Mar. 31.
Overholt, Merle R., South Pasadena, Calif. Cable drilling tool. 2,278,137; Mar. 31.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double glazing construction. 2,278,360; Mar. 31.
Oxford Filing Supply Co. (See Jonas, Frank D., assignor.)
Oxley, John H., Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio. Crayon. 2,277,992; Mar. 31.
Paardecamp, John B., Paterson, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Rotary intaglio printing press. 2,278,138; Mar. 31.
Packard Motor Car Company. (See Barter, H. L., and Christman, assignors.)
Pantex Pressing Machine, Inc. (See Monsarrat, N. G., and Humes, assignors.)
Pantna Limited. (See Houdremont, E., and Schrader, assignors.)
Paper Patents Company. (See Kerrihard, Kenneth C., assignor.)
Parker, Arthur L., Cleveland, Ohio. Thread protector. 2,277,713; Mar. 31.
Parker, George P. (See Cockerell, C. S., and Parker.)
Parks, Asbury S., Houston, Tex. Flow apparatus. 2,278,017; Mar. 31.
Pasternack, Richard, Brooklyn, and R. A. Patelski, Kew Gardens, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Products from tartaric acid. 2,277,872; Mar. 31.
Patelski, Ray A. (See Pasternack, R., and Patelski.)
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polysulphide polymeric product. 2,278,127; Mar. 31.
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Desulphurized polysulphide polymer and making. 2,278,128; Mar. 31.
Patrick, Rex D., and B. Economopulos, Bluefield, Va. Guard. 2,278,091; Mar. 31.
Patton, Carl W., Palisades Park, N. J., assignor to Carbide and Carbon Chemicals Corporation. Flash lamp. 2,277,776; Mar. 31.
Patzer, William, and W. A. Tratsch, Chicago, Ill. Coin chute. 2,278,129; Mar. 31.
Pearce, Gale T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for the manufacture of mineral wool. 2,278,092; Mar. 31.
Pearson, Alice F. D., Lowell, Mass. Garment protector. 2,278,185; Mar. 31.
Pearson, Herbert B., Brooklyn, N. Y. Record rack. 2,278,214; Mar. 31.
Pedersen, Hans A., Chicago, Ill. Power transmission device. 2,278,018; Mar. 31.
Perinelli, Nicola, White Plains, N. Y. Mole trap. 2,278,117; Mar. 31.
Perkins, Baker, Company. (See Rapisarda, Edward D., assignor.)
Perkins, Ernest E., Menlo Park, Calif. Clamp applying machine. 2,277,935; Mar. 31.
Perkins Machine and Gear Company. (See Oakley, John.)
Peterson, Harold O., and P. V. Wimans, Riverhead, N. Y., assignors to Radio Corporation of America. Crystal holder. 2,278,093; Mar. 31.
Petrolite Corporation, Ltd. (See De Groote, Melvin, assignor.)
Petrolite Corporation. (See De Groote, M., and Keiser, assignors.)
Pfeiffer, John G., Dumont, and W. Weston, Scotch Plains, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical switching device. 2,278,280; Mar. 31.
Pfizer, Charles, & Company. (See Pasternack, R., and Patelski, assignors.)
Phelps Dodge Corporation. (See Osborn, William H., assignor.)
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly. 2,278,019; Mar. 31.
Phillips, John X., Vienna, assignor to Automatic Shifters, Inc., Richmond, Va. Transmission shifting mechanism. 2,277,830; Mar. 31.
Phillips Petroleum Company. (See Auld, D. W., and Woodard, assignors.)
Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Radio receiving apparatus. 2,278,094; Mar. 31.
Pitman, Richard W., New York, N. Y., assignor to Underwood Elliott Fisher Company. Business machine. 2,278,118; Mar. 31.
Pittsburgh Plate Glass Company. (See Freeman, Stephen E., assignor.)
Pittsburgh Plate Glass Company. (See Hall, Frank W., assignor.)
Pittsburgh Plate Glass Company. (See Limbers, Don R., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Plante, Arthur N., Torrington, Conn. Poultry feeder. 2,278,281; Mar. 31.
Plastic Binding Corporation. (See Spinner, Isidore, assignor.)
Poche, John M., Gulfport, Miss., assignor of one-half to L. Vaccaro, New Orleans, La. Combined land and marine vehicle. 2,278,215; Mar. 31.
Polston, John R., and J. J. Boyd, assignors to Stanolind Pipe Line Company, Tulsa, Okla. Sampler. 2,277,714; Mar. 31.
Ponto, Alton F., Riceton, Saskatchewan, Canada. Device for hulling peas. 2,277,777; Mar. 31.
Porcelain Products, Inc. (See Meyer, Edwin M., assignor.)
Porsche, F., Dr. ing. h. c., K.-G. (See Becht, Walter, assignor.)
Portable Lamp & Equipment Company. (See Quenon, Harry, assignor.)
Porter, William J., Chattanooga, Tenn. Directional signal. 2,278,282; Mar. 31.
Potts, Matthew W. (See Mertzanoff, C. E., and Potts.)
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Automatic lock slider for slide fasteners. 2,277,831; Mar. 31.
Prest-O-Lite Company, The. (See Ness, C., Kojola, and Dunn, assignors.)
Preston, John J., San Francisco, Calif. Averaging device. 2,277,993; Mar. 31.
Prior, Harold D. (See Walner, E., and Prior.)
Production Plating Works, Inc., The. (See Enghauser, Winford L., assignor.)
Products Development, Inc. (See Stearns, Harry C., assignor.)
Profft, Elmar. (See Stoeckly, J. J., and Profft.)
Puchy, Clarence G., assignor to The Hoover Company, North Canton, Ohio. Motor. 2,278,139; Mar. 31.

Pullen, Claude A., et al. (See Cushman, T. K., and Pullen, assignors.)
Quady, Albert T., Great Falls, Mont. Toy. 2,277,882; Mar. 31.
Quenon, Harry, Keystone, W. Va., assignor to Portable Lamp & Equipment Company, Pittsburgh, Pa. Signal. 2,278,213; Mar. 31.
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Cockerell, C. S., and Parker, assignors.)
Radio Corporation of America. (See Eaton, Warren S., assignor.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Guy, Raymond F., assignor.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Miller, James F., assignor.)
Radio Corporation of America. (See Mitchell, L. E., and Vasselli, assignors.)
Radio Corporation of America. (See Peterson, H. O., and Winans, assignors.)
Ralston, Anderson W., and E. W. Segebrecht, assignors to Armour and Company, Chicago, Ill. Separating chalcocite ore. 2,278,020; Mar. 31.
Randall, Merle, Berkeley, Calif. Producing salts. 2,277,778; Mar. 31.
Rapid Roller Co. (See Smith, Charles F., assignor.)
Rapisarda, Edward D., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Conveyer. 2,278,361; Mar. 31.
Raptis, Nicholas J., Rockville Center, N. Y. Adjustable brush and brush handle. 2,278,283; Mar. 31.
Rasch, Carl H., Hoboken, N. J. Breast pocket and foundation garment. 2,278,332; Mar. 31.
Rawlings, Ernest J. (See Dutfield, A. E., and Rawlings.)
Rawlings Manufacturing Company Limited. (See Dutfield, A. E., and Rawlings, assignors.)
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Reese, John S., IV, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilizing cellulose yarns. 2,278,284; Mar. 31.
Reese, John S., IV, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilized cellulose yarns and method of preparing same. 2,278,285; Mar. 31.
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Combined keyboard tape transmitter. 2,277,715; Mar. 31.
Reich, Walter A., Kansas City, Mo. Cabinet. 2,278,021; Mar. 31.
Reichard, Willis E., assignor to The Worthington Ball Company, Elyria, Ohio. Making golf ball centers and the resultant product. 2,278,381; Mar. 31.
Reiner, Robert, Incorporated. (See Klumpp, Ferdinand, assignor.)
Rendel, George H. (See McLaughlin, W. H., and Rendel.)
Revalens Co., The. (See Houchin, Lowell L., assignor.)
Rex Window Advertising Co. (See Whitestone, D., and Robinson, assignors.)
Rhoads, Albert B., Saegertown, and W. D. Craig, Meadville, Pa., assignors to Talon, Inc. Slide fastened trouser fly construction. 2,277,832; Mar. 31.
Rich, Charles A., Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Machine tool. 2,278,216; Mar. 31.
Rich, Forrest E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rheostat. 2,277,883; Mar. 31.
Richards, Dwight R., Grantham, England, assignor to Sullivan Machinery Company. Cuttings-conveying mechanism. 2,278,119; Mar. 31.
Richards, Louis J. (See Arnold, F. W., and Richards.)
Riddle, Lawrence E. (See Francis, C. B., and Riddle.)
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure tank sprinkler system. 2,277,873; Mar. 31.
Ritzau, John T. (See Bamford, A. P., and Ritzau.)
Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Marking machine. 2,277,884; Mar. 31.
Roberts, Raymond V., Ann Arbor, Mich. Athletic headgear. 2,277,994; Mar. 31.
Robertson, Robert R., Chicago, Ill. Contraction joint. 2,278,023; Mar. 31.
Robinson, Herman B. (See Whitestone, D., and Robinson.)
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, France. Securing device. 2,277,885; Mar. 31.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, France. Securing device utilizing the resilient distortion and incompressibility of rubber. 2,278,217; Mar. 31.
Rodgers, Arthur L., Seagraves, assignor of one-half to Two States Drilling Company, Dallas, Tex. Cathead and clutching devices therefor. 2,278,022; Mar. 31.
Roe, Edward T. (See Lockwood, L. B., Ward, Stubbs, Roe, and Tabenkin.)
Roebuck, Alfred W., Radlett, England. Piston. 2,278,149; Mar. 31.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Ventilating window. 2,277,779; Mar. 31.
Rogers, Loven H., Del Rio, Tex. Electrical toothbrush. 2,278,095; Mar. 31.
Rogers, Maude, San Gabriel, Calif. Pattern marker. 2,277,667; Mar. 31.
Ronk, George T., Lanark, Ill. Track pilot for road and rail cars. 2,277,780; Mar. 31.
Roscoe, Odis C., Shreveport, La. Electric seed planter. 2,278,150; Mar. 31.
Rosenblatt, James S., assignor to Origination, Incorporated, Chicago, Ill. Dispenser. 2,277,936; Mar. 31.
Rosenblatt, Philip, Brooklyn, assignor to Biolite Incorporated, New York, N. Y. Display device. 2,278,383; Mar. 31.
Rosenzweig, Abraham, Brooklyn, N. Y. Game apparatus. 2,278,024; Mar. 31.
Ross, Adrian E., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,278,096; Mar. 31.
Ross, Adrian E., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,278,382; Mar. 31.
Ross, Thomas S. (See Milestone, W. E., West, and Ross.)
Rowe, Stephen D., Wichita Falls, Tex. Cathead safety device. 2,278,286; Mar. 31.
Royal Typewriter Company. (See Handley, George F., assignor.)
Ruddies, George F., Chicago, Ill. Making and recovering tetra-alkyl lead. 2,277,781; Mar. 31.
Ruebensaal, Clayton F., Cleveland, Ohio, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Zinc plating. 2,277,668; Mar. 31.
Rugeley, Edward W., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Crimping materials containing synthetic textile fibers. 2,277,782; Mar 31.
Ruggieri, Michael, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis. Canopy for supporting luminaires. 2,278,218; Mar. 31.
Runaldue, Lewis R., Pittsfield, Mass., assignor to General Electric Company. Regulating apparatus. 2,278,151; Mar. 31.
Ryan, Edward S., Duluth, Minn. Signal. 2,278,287; Mar. 31.
S & W Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)
Sackett, De Forest, La Grange, Ill. Folding box. 2,277,717; Mar. 31.
Sadler, John E., assignor to The Duplex Envelope Company, Inc., Richmond, Va. Gang punch. 2,278,288; Mar. 31.
Sadoski, Frank, Dallas, Tex. Mounting for reflector buttons. 2,278,025; Mar. 31.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Folding attachment for sewing machines. 2,278,042; Mar. 31.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Folder attachment for sewing machines. 2,278,043; Mar. 31.
Sanchez, Lawrence A. (See Eckel, V. W., and Sanchez.)
Sanders, Marion D., assignor to Industrial Patents Corporation, Chicago, Ill. Sludge treatment. 2,277,718; Mar. 31.
Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,277,886; Mar. 31.
Saur, Karl, Berlin-Reinickendorf, Germany. Servomotor control. 2,278,396; Mar. 31.
Scanlan, Thomas A., Cleveland, Ohio, assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,278,044; Mar. 31.
Schafer, Arthur H., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance device. 2,278,045; Mar. 31.
Scharf, Lou, New York, N. Y. Machine for bag forming, filling, and sealing articles in cellulose bags. 2,277,783; Mar. 31.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Faller wire for stop motions. 2,278,333; Mar. 31.
Scheibe, Alfred, and W. Valerius, Dessau, and L. Wagensell, Obermenzing, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft. Liquid pump and gas separator. 2,278,397; Mar. 31.
Schlemmer, Oliver C., Cincinnati, Ohio, and R. E. Schlemmer, Kansas City, Mo. Night driving light for automobile interiors. 2,277,784; Mar. 31.
Schlemmer, Roger E. (See Schlemmer, Oliver C. and R. E.)
Schmitt, John A., Waukesha, Wis. Garment hanger. 2,277,995; Mar. 31.
Schrader, Hans. (See Houdremont, E., and Schrader.)
Schroeder, Simon E., Chicago, Ill., assignor to Barlow & Seelig Manufacturing Co., Ripon, Wis. Wringer. 2,277,785; Mar. 31.
Schulthess, Ernest, South Orange, N. J. Pressure hose. 2,277,786; Mar. 31.

Schulz, Hermann, Neu-Isenburg, and H. Wagner, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Condensation process of the formaldehyde-acetaldehyde type. 2,277,887; Mar. 31.
Schwarz, Ernst L., assignor to Armour Research Foundation, Chicago, Ill. Elevator control system. 2,278,120; Mar. 31.
Schwoegler, Edward J. (See Olin, J. F., and Schwoegler.)
Scott, Earle M., assignor to Uniloy Accessories Corp., Lancaster, N. Y. Storing and transporting airplanes. 2,277,787; Mar. 31.
Scott, Lawrence B., Houston, Tex. Repair lock. 2,278,334; Mar. 31.
Scott, Richard H., Enfield, W. F. Gorse and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,278,097; Mar. 31.
Scott, Richard H., Enfield, W. F. Gorse and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing machine. 2,278,098; Mar. 31.
Scullin Steel Co. (See Dreibuss, H. C., and Spenner, assignors.)
Seaman, Charles, Jamaica Estates, N. Y. Machine for making plaitings. 2,277,719; Mar. 31.
Seaman, Charles, Jamaica Estates, N. Y. Machine for making plaitings. 2,277,720; Mar. 31.
Seaman, Charles, Jamaica Estates, N. Y. Sewing machine for making plaited or shirred trimming. 2,277,721; Mar. 31.
Seaman, Charles, Jamaica Estates, N. Y. Plaiting. 2,277,722; Mar. 31.
Seaman, Charles, Jamaica Estates, N. Y. Making plaiting. 2,277,723; Mar. 31.
Segal, Isadore, Philadelphia, Pa. Sandwich cutter guide. 2,277,888; Mar. 31.
Segebrecht, Ervin W. (See Ralston, A. W., and Segebrecht.)
Self, Alan D. H. (See Ewins, A. J., Barber, Newbery, Ashley, and Self.)
Semar, Harold W., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine turbine cross-over connection. 2,278,152; Mar. 31.
Serge, Igor B., Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation. Striker-actuating mechanism for audible-signals. 2,278,406; Mar. 31.
Servel, Inc. (See Baker, Clarence E., assignor.)
Shanley, Francis R., Los Angeles, Calif., assignor to The Government of the United States of America as represented by the Secretary of the Navy. Airplane safety device. 2,278,219; Mar. 31.
Sharp, Ralph P., Sr., Carville, La. Spreader and dispenser of bobby pins. 2,277,996; Mar. 31.
Sharples Chemicals Inc. (See Olin, J. F., and Schwoegler, assignors.)
Sharples Chemicals Inc. (See Olin, John F., assignor.)
Sharples Corporation, The. (See Bath, Wilmer H., assignor.)
Shaulson, Joseph, Providence, R. I. Adjustable lingerie buckle. 2,278,153; Mar. 31.
Shell Development Company. (See de Simo, M., and O'Connor, assignors.)
Sherman, John Q. (See Dybvig, Henry G., assignor.)
Sherman, Katherine M., executor, et al. (See Dybvig, Henry G., assignor.)
Sherman, Marie, et al. (See Cushman, T. K., and Pullen, assignors.)
Sherman, William C., executor, et al. (See Dybvig, Henry G., assignor.)
Shipp, Joseph H., and J. E. Smith, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of textiles and composition useful therefor. 2,277,788; Mar. 31.
Shores, Bernard, assignor to Allied Suppliers Limited and B. Shores, London, England. Automatically inserting items of printed matter into packages. 2,277,856; Mar. 31.
Shores, Bernard, et al. (See Shores, Bernard, assignor.)
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,277,857; Mar. 31.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Shryer, George C., Los Angeles, Calif. Producing basrelief on pile fabrics. 2,277,937; Mar. 31.
Shumaker, Lawrence E., assignor to Eversman Mfg. Co., Denver, Colo. Land leveling machine. 2,277,889; Mar. 31.
Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Rubber composition and preserving rubber. 2,278,046; Mar. 31.
Sicard, Irenée, Montreal, Quebec, Canada. Snow removing apparatus. 2,278,220; Mar. 31.
Sickles, F. W., Company, The. (See Giroux, Henry, assignor.)
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,278,221; Mar. 31.
Sieger, Maurice P., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Pack handling apparatus. 2,278,140; Mar. 31.
Siemens-Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Köster, Paul E., assignor.)
Silesia Verein Chemischer Fabriken. (See Frost, Walter, assignor.)
Silva, Frederick G., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y. Machine for making polygonal openings. 2,277,997; Mar. 31.
Simpson, Herbert S. (See Christensen, Alfred C., assignor.)
Simpson, Ray A. (See Johnson, V. E., Farmer, Simpson, and Stewart.)
Singer Manufacturing Company, The. (See Hacklander, Hans, assignor.)
Singer Manufacturing Company, The. (See Sailer, Rudolph J., assignor.)
Sink, Russell S., Laramie, Wyo. Apparatus for molding bricks, blocks, and tiles. 2,277,789; Mar. 31.
Sisco, Alexander, Kokomo, Ind. Fish lure. 2,277,790; Mar. 31.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,277,858; Mar. 31.
Slachman, Preston G. (See Weisberg, M., Corman, and Slachman.)
Slavitt, Jack. (See Murphy, Edward R., assignor.)
Slayter Electronic Corporation. (See Otto, William H., assignor.)
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Wall panel. 2,277,791; Mar. 31.
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Panel fastening device. 2,277,792; Mar. 31.
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Wall construction. 2,277,793; Mar. 31.
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Wall construction. 2,277,794; Mar. 31.
Smith, A. O., Corporation. (See Anderson, Perry, assignor.)
Smith, Charles F., Cicero, assignor to Rapid Roller Co., Chicago, Ill. Apparatus for cleaning rolls. 2,277,724; Mar. 31.
Smith, Frank B., and H. W. Moll, assignors to The Dow Chemical Company, Midland, Mich. Higher alkyl substituted phenothioxins. 2,277,833; Mar. 31.
Smith, Henry M., Los Nietos, Calif., assignor of one-half to W. D. Osborn, Los Angeles, Calif. Sewer and pipe cleaner. 2,278,026; Mar. 31.
Smith, Howard B., Port Washington, N. Y. Clothespin package. 2,277,669; Mar. 31.
Smith, Joseph E. (See Shipp, J. H., and Smith.)
Smith, Richard S., Buffalo, N. Y., and R. S. Lynch, Canton, Ohio. Decorating metallic surfaces. 2,277,725; Mar. 31.
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,278,154; Mar. 31.
Smithwick, James, Asheville, N. C. Toy vehicle. 2,278,244; Mar. 31.
Snyder, Gilbert J., assignor to Mastic Asphalt Corporation, South Bend, Ind. Masonry simulating material. 2,278,289; Mar. 31.
Societe Anonyme Des Manufactures Des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Borel, Edouard V., assignor.)
Société Anonyme: Jaeger-Aviation. (See Rodanet, Charles H. H., assignor.)
Societe d'Exploitation des Brevets Moineau S. A. R. L. (See Moineau, René J. L., assignor.)
Socony-Vacuum Oil Company, Incorporated. (See Wood, Hugh, assignor.)
Spenner, Fred H. (See Dreibuss, H. C., and Spenner.)
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binder. 2,277,834; Mar. 31.
Special Equipment Company. (See Nawman, Rollie B., assignor.)
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,277,726; Mar. 31.
Sprague Specialties Co. (See Godsey, Frank W., Jr., assignor.)
Standard Products Company, The. (See Barnette, Le Roy T., assignor.)
Stanolind Pipe Line Company. (See Polston, J. R., and Boyd, assignors.)
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system. 2,278,222; Mar. 31.
Starkey, William C., Indianapolis, and M. H. Miller, Beech Grove, assignors to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind. Overrunning clutch construction. 2,277,795; Mar. 31.
Stearns, Harry C., assignor, by mesne assignments, to Products Development, Inc., Chicago, Ill. Permanent wave heater. 2,278,335; Mar. 31.
Stearns, Kenneth R. (See Conrad, J. D., and Stearns.)
Steen-Johnsen, Hall, Greensburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Extraction pressure regulating apparatus. 2,278,290; Mar. 31.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Making heat exchangers. 2,278,155; Mar. 31.

Steindorf, Robert T., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for flocculation. 2,277,890; Mar. 31.
Sterling, Albert J., Brooklyn, N. Y. Bag. 2,278,156; Mar. 31.
Stewart, Perry V. (See Johnson, V. E., Farmer, Simpson, and Stewart.)
Stimpson, Walter F. (See Conners, Carl L., assignor.)
Stoeckly, Johann J., Teltow, and E. Profft, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y. Purification of carbon disulphide. 2,278,384; Mar. 31.
Stokes, F. J., Machine Company. (See Flosdorf, E. W., and Coleman, assignors.)
Stone, Ralph A., Cleveland, Ohio. Toy. 2,277,672; Mar. 31.
Stone, Richard S. (See Knouse, J. J., and Stone.)
Strauss, Alfred, and E. G. Feltman, Chicago, M. M. Hunt, Park Ridge, and W. D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co. Food processor. 2,278,187; Mar. 31.
Strauss, Hermann M. A., and W. D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co. Food mixer. 2,278,186; Mar. 31.
Strzalkowski, Charles W., Milwaukee, Wis. Knitting machine. 2,277,796; Mar. 31.
Strzalkowski, Charles W., Milwaukee, Wis. Multiple section flat knitting machine. 2,277,797; Mar. 31.
Stubbs, Joseph J. (See Lockwood, L. B., Ward, Stubbs, Roe, and Tabenkin.)
Sturgeon, John F., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,278,223; Mar. 31.
Sturken, Oswald C. H., Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y. Stable zein solution. 2,277,891; Mar. 31.
Subkow, Philip, West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Reforming and polymerizing hydrocarbons. 2,277,938; Mar. 31.
Subkow, Philip, Los Angeles, Calif. Inhibitors. 2,278,224; Mar. 31.
Sukumlyn, Thomas W. (See Thalhammer, Karl W., assignor.)
Sullivan Machinery Company. (See Richards, Dwight R., assignor.)
Superheater Company, The. (See Ostermann, Rudolf M., assignor.)
Svenson, Ernest J. (See Heagle, Collin H., assignor.)
Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors, by mesne assignments, to Bakelite Corporation. Matrix. 2,278,291; Mar. 31.
Swanson, David A., Chicago, Ill. Convertible tendem bicycle. 2,277,727; Mar. 31.
Swenson, George E., Hasting-Upon-Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Flooring construction. 2,277,892; Mar. 31.
Sykes, Roger A. (See McSkimin, H. J., and Sykes.)
Sylow-Hansen, born Hubert, B. H., Paris, France. Gripping device serving both as hair pin and curler. 2,277,798; Mar. 31.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Syrovy, Augustin J., and T. Iavelli, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,277,799; Mar. 31.
Syrovy, Augustin J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,277,800; Mar. 31.
Tabenkin, Benjamin. (See Lockwood, L. B., Ward, Stubbs, Roe, and Tabenkin.)
Talbot, Richard C., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C. Labeling and stamping machine. 2,277,801; Mar. 31.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Talon, Inc. (See Poux, Noel J., assignor.)
Talon, Inc. (See Rhoads, A. B., and Craig, assignors.)
Tanberg, Arthur P. (See Cupery, M. E., and Tanberg.)
Taylor, Halsey W., Warren, Ohio. Fluid cooler. 2,278,225; Mar. 31.
Taylor, Halsey W., Warren, Ohio. Fluid cooler. 2,278,226; Mar. 31.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Domack, K., and Eisele, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (SeeDubberke, Hans, assignor.)
Teletype Corporation. (See Lake, Ross A., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Terry, Joseph T., Rosemead, Calif. Concentrating oxidized lead ores. 2,278,027; Mar. 31.
Terry, Killey E. (See Frost, F. H., and Terry.)
Tetzlaff, Benjamin A., Riverside, Ill. Clamp. 2,278,336; Mar. 31.
Tetzlaff, Benjamin A., Riverside, Ill. Clamp. 2,278,337; Mar. 31.
Texas Company, The. (See Hare, Donald G. C., assignor.)
Thackeray, Norman C., New Rochelle, N. Y., and G. N. Lusby, Hightstown, N. J.; said Lusby assignor to said Thackeray. Multicolor flock printing machine. 2,278,227; Mar. 31.
Thalmhammer, Karl W., assignor to Thomas W. Sukumlyn, Los Angeles, Calif. Leg rest. 2,277,939; Mar. 31.
Thielke, Norman R. (See Walner, Eugene, and Thielke.)
Thies, Wilhelm, Falkenhain, near Finkenkrug, F. Wolf, Birkenwerder, and H. Töpfer, Berlin-Siemensstadt, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter, Haftung", Berlin, Germany. Telephone system. 2,277,802; Mar. 31.
Thiokol Corporation. (See Patrick, Joseph C., assignor.)
Thoen, Ingolf N., Milwaukee, Wis. Vehicle headlight. 2,278,028; Mar. 31.
Thomas, Richard, and H. B. Oakley, Bromborough, England, assignors to Lever Brothers Company. Soap. 2,277,728; Mar. 31.
Thomas, Richard, and H. B. Oakley, Bromborough, England, assignors to Lever Brothers Company. Soap. 2,277,729; Mar. 31.
Thomas, Richard, and H. B. Oakley, Bromborough, England, assignors to Lever Brothers Company. Soap. 2,277,730; Mar. 31.
Thompson, Parke H., Millville, N. J., assignor of thirty-five percent to R. Maguire, New York, N. Y. Control valve. 2,277,998; Mar. 31.
Thompson, Parke H., Millville, N. J., assignor of thirty-five percent to R. Maguire, New York, N. Y. Recirculating control valve. 2,277,999; Mar. 31.
Thompson, Parke H., Millville, N. J., assignor of thirty-five percent to R. Maguire, New York, N. Y. Liquid level control valve. 2,278,000; Mar. 31.
Thompson, Parke H., Millville, N. J., assignor of thirty-five percent to R. Maguire, New York, N. Y. Flow-controlled valve. 2,278,001; Mar. 31.
Thompson, Parke H., Millville, N. J. Liquid level responsive valve. 2,278,002; Mar. 31.
Thompson, Parke H., Millville, N. J. Coordinated control valve. 2,278,003; Mar. 31.
Thompson, Parke H., Millville, N. J. Pressure regulating valve. 2,278,004; Mar. 31.
Tillman, Richard J. (See Goodale, W. D., Herckmans, and Tillman.)
Timken Roller Bearing Company, The. (See Horger, Ralph E., assignor.)
Tingley-Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Walner, assignors.)
Titanium Alloy Manufacturing Company, The. (See Walner, E., and Prior, assignors.)
Titanium Alloy Manufacturing Company, The. (See Walner, E. and Thielke, assignors.)
Toce, Charles A. and V. J., Houston, Tex. Two-cycle engine. 2,278,038; Mar. 31.
Toce, Victor J. (See Toce, Charles A. and V. J.)
Tönnies, Hans F., Hamburg-Grossflottbek, Germany. Photoelectric apparatus for cameras. 2,278,338; Mar. 31.
Töpfer, Herbert. (See Thies, W., Wolf, and Töpfer.)
Toro Manufacturing Corporation of Minnesota. (See Clapper, John S., assignor.)
Toth, Emerick, Cheverly, Md. Silencing receivers during operation of transmitters. 2,277,731; Mar. 31.
Trachsel, Ernst, Zurich, assignor of sixty percent to W. Huessy, Aarburg, Switzerland. Brake. 2,277,859; Mar. 31.
Transportation Specialties Company. (See Johnston, Charles S., assignor.)
Tratsch, Walter A. (See Patzer, W., and Tratsch.)
Turner, Wellmore B., executor, et al. (See Dybvig, Henry G., assignor.)
Tweedie, Charles, Jefferson City, Mo. Hand protector. 2,277,893; Mar. 31.
Two States Drilling Company. (See Rodgers, Arthur L., assignor.)
Ullman, Roy. (See Burdick, E. C., and Ullman.)
Uncapher, Charles A. (See Kennedy, H. L., and Uncapher.)
Underwood Elliott Fisher Company. (See Hellmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Richard W., assignor.)
Uniloy Accessories Corp. (See Scott, Earle M., assignor.)
Union Oil Company of California. (See Bray, Uiric B., assignor.)
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Special Machine Company. (See Sauer, George, assignor.)
United Aircraft Corporation. (See Albright, Frank C., assignor.)
United Engineering and Foundry Company. (See Sieger, Maurice P., assignor.)
United Shoe Machinery Corporation. (See Bell, Gordon H., assignor.)
United Shoe Machinery Corporation. (See MacDonald, Lester S., assignor.)
United Shoe Machinery Corporation. (See Miller, Lloyd G., assignor.)
United States Rubber Company. (See Keen, Alexis W., assignor.)
United States Rubber Company. (See Marick, Louis, assignor.)

Universal Oil Products Company. (See Barnes, Marion W., assignor.)
Universal Oil Products Company. (See Sturgeon, John F., assignor.)
Universal Oil Products Company. (See Watson, Kenneth M., assignor.)
Utilities Distributors, Inc. (See Anderson, Peter A., assignor.)
Utility Patent Trust No. 17,938, Union Guardian Trust Co. (See Watts, Felix J., assignor.)
Vaccaro, Lucas. (See Poche, John M., assignor.)
Valerius, Wilhelm. (See Scheibe, A., Valerius, and Wahensell.)
Van Fleet, Paul T., Harrodsburg, Ky. Poultry fountain stand. 2,278,047; Mar. 31.
Van Scoy, Samuel S., Hobart, Ind. Feed water control. 2,278,048; Mar. 31.
Van Veen, Anton, West Hartford, Conn. Machine for wrapping articles. 2,278,005; Mar. 31.
Varner, David E., Wichita, Kans. Christmas tree holder. 2,277,803; Mar. 31.
Vasselli, Anthony J. (See Mitchell, L. E., and Vasselli.)
Verson Allsteel Press Company. (See Clements, Albert, assignor.)
Vodoz, Frederick W., Wilmette, Ill., assignor to The Murray Corporation of America, Detroit, Mich. Stoker. 2,278,157; Mar. 31.
Voggenthaler, Albert L. (See Weinreich, C. F., and Voggenthaler.)
Voit, William J., Los Angeles, and L. C. Weimer, Southgate, Calif.; said Weimer assignor to said Voit. Game ball. 2,278,292; Mar. 31.
Vollmer, Hermann, New York, N. Y. Test strip. 2,278,339; Mar. 31.
Vutz, Wilhelm, assignor to New Idea, Inc., Coldwater, Ohio. Making guards for reciprocating knives. 2,278,393; Mar. 31.
Wagensell, Ludwig. (See Scheibe, A., Valerius, and Wagensell.)
Wagner, Hans. (See Schulz, H., and Wagner.)
Wahlstrom, Verner J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Filler feed and charge former for cigar machines. 2,277,732; Mar. 31.
Walner, Eugene. (See Kinzie, C. J., and Walner.)
Walner, Eugene, and N. R. Thielke, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Dielectric material and method of making the same. 2,277,733; Mar. 31.
Walner, Eugene, and N. R. Thielke, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Dielectric material and making the same. 2,277,734; Mar. 31.
Walner, Eugene, and H. D. Prior, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Refractory composition. 2,277,735; Mar. 31.
Walner, Eugene, and N. R. Thielke, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Dielectric material and making the same. 2,277,736; Mar. 31.
Walker Manufacturing Company. (See Hollingsworth, Frank W., Jr., assignor.)
Wallace, Henry A., as Secretary of Agriculture, etc. (See Lockwood, L. B., Ward, Stubbs, Roe, and Tabenkin, assignors.)
Walsh, Russell E., Gardena, and R. O. Wilson, Los Angeles, Calif. Dispenser for sheet material. 2,278,029; Mar. 31.
Walters, Ralph S., Grant, Nebr. Convertible combine and swather. 2,278,394; Mar. 31.
Waltke, Herman W., Pickrell, Nebr. Automatic gang lift for cultivators. 2,278,006; Mar. 31.
Wapner, Morris, Tremont, Pa. Clock. 2,277,804; Mar. 31.
Ward, George E. (See Lockwood, L. B., Ward, Stubbs, Roe, and Tabenkin.)
Ware, Margaret R. (See Ware, Willis C., assignor.)
Ware, Willis C., assignor of one-half to M. R. Ware, Chicago, Ill. Coated abrasive. 2,278,158; Mar. 31.
Warren, S. D., Company. (See Frost, F. H., and Terry, assignors.)
Warth, Albin H., Baltimore, Md. Can end. 2,278,141; Mar. 31.
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Coin controlled amusement apparatus. 2,278,007; Mar. 31.
Watling Scale Company. (See Watling, Burns S., assignor.)
Watson, Kenneth M., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,278,228; Mar. 31.
Watson, William J., Dunkirk, N. Y. Forging apparatus. 2,278,293; Mar. 31.
Watts, Felix J., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich. Electric lamp socket. 2,278,385; Mar. 31.
Weber, Rennie L., Franklin Park, assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiving apparatus. 2,278,030; Mar. 31.
Weimer, Leith C. (See Voit, W. J., and Weimer.)
Weinreich, Charles F., Desplaines, Ill., and A. L. Voggenthaler, Cedar Rapids, Iowa, assignors to Cherry-Burrell Corporation, Wilmington, Del. Apparatus and process for freezing ice cream. 2,278,340; Mar. 31.
Weisberg, Mark, Providence, L. Corman, Rumford, and P. G. Slachman, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Wetting and detergent agent. 2,277,805; Mar. 31.
Weisgerber, Edwin C., Los Angeles, Calif. Spark arrester. 2,277,670; Mar. 31.
Wells, Virgil H., Lakewood, Ohio, assignor to National Carbon Company, Inc. High intensity carbon arc system. 2,277,806; Mar. 31.
Welsh, Ralph W., Camden, N. J. Electrode holder. 2,277,894; Mar. 31.
West, Brennan B. (See Milestone, W. E., West, and Ross.)
Western Electric Company. (See Cole, Paul M., assignor.)
Western Electric Company. (See Ford, Ben K., assignor.)
Western Electric Company, Incorporated. (See Pfeiffer, J. G., and Weston, assignors.)
Western Union Telegraph Company, The. (See Fluharty, William G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Alben, Frank L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, J. D., and Stearns, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gottlieb, Manious, assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, V. E., Farmer, Simpson, and Stewart, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rich, Forrest E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Semar, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Steel-Johnsen, Hall, assignor.)
Weston, William. (See Pfeiffer, J. G., and Weston.)
Whaley, William, assignor to Carey-McFall Company, Philadelphia, Pa. Center support for Venetian blind tilt rails. 2,278,341; Mar. 31.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Oscillator-modulator system. 2,278,159; Mar. 31.
Whitaker, Uncas A., New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,278,229; Mar. 31.
Whitestone, Dorsey, and H. B. Robinson, assignors to Rex Window Advertising Co. Inc., New York, N. Y. Display device. 2,277,807; Mar. 31.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Method of making brake beams. 2,278,386; Mar. 31.
Wickwire, Arthur M., Jr., Mountain Lakes, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for inking printing cylinders. 2,278,387; Mar. 31.
Wiederhold, Joseph. (See Havens, H. F., and Wiederhold.)
Wieking, William C. (See Lundquist, A., Freeman, and Wieking.)
Wiggins, John H., Chicago, Ill. Drainage means for tank roofs. 2,278,294; Mar. 31.
Wiglesworth, Victor T., Portland, Oreg. Directional indicating device. 2,278,031; Mar. 31.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilkinson, James W., Providence, R. I., assignor to Fram Corporation. Oil filter mounting. 2,277,737; Mar. 31.
Wilkinson, James W., Providence, R. I., assignor to Fram Corporation. Mounting device for oil filters. 2,277,738; Mar. 31.
Willat, Arnold F., San Rafael, Calif. Temperature control device. 2,277,895; Mar. 31.
Williams, Beverly E., assignor to Industrial Patents Corporation, Chicago, Ill. Carcass branding. 2,278,039; Mar. 31.
Williams, Herman and L. A., Huntington, W. Va. Electrical switch. 2,277,671; Mar. 31.
Williams, Lee A. (See Williams, Herman and L. A.)
Wilson, James O., Strawn, Tex. Rotator attachment for pumping jacks. 2,278,296; Mar. 31.
Wilson, Ray O. (See Walsh, R. E., and Wilson.)
Wilson, William, Helsinki, Finland. Film reel can. 2,278,295; Mar. 31.
Winans, Paul V. (See Peterson, H. O., and Winans.)
Witter, Lawrie L. (See Mack, A., M. W., and A. W., assignors.)
Wittmann, Joseph H., Los Angeles, Calif. Mixing device. 2,278,398; Mar. 31.
Wolf, Fritz. (See Thies, W., Wolf, and Topfer.)
Wood, Bourdette R., Shaker Heights, Ohio. Rail and tie assembly and making. 2,277,808; Mar. 31.
Wood, Fredric E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,278,230; Mar. 31.
Wood, Hugh, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Handling thermophore mixtures. 2,278,297; Mar. 31.
Woodard, Clarence T. (See Auld, D. W., and Woodard.)

Wool, Frank A., San Jose, Calif. Fruit turning device. 2,277,940; Mar. 31.
Worthington Ball Company, The. (See Reichard, Willis E., assignor.)
Worthington, Everett, deceased, Scarsdale, N. Y., by L. Worthington, Berkeley, Calif.; administratrix, assignor to American Can Company, New York, N. Y. Handle. 2,277,739; Mar. 31.
Worthington, Lucile, as administratrix. (See Worthington, Everett.)
Wrathall, Leishman R., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling wave generator. 2,277,809; Mar. 31.
Wrentham Products Company. (See Cook, John L., assignor.)
Wright, James G. E., Alplaus, N. Y., assignor to General Electric Company. Manufacture of plasticized polyvinyl chloride filaments, sheets, etc. 2,278,231; Mar. 31.
Wright's Automatic Tobacco Packing Machine Company. (See Talbot, Richard C., assignor.)
Wurlitzer, Rudolph, Company, The. (See Osborne, F. H., and Hull, assignors.)
Yoder, Carl M., Lakewood, Ohio. Machine for operating on sheet metal. 2,277,740; Mar. 31.
Young, Fred M., Racine, Wis. Unit heater. 2,278,376; Mar. 31.
Young, Milton, San Jose, Calif. Structure for use in trimming cattle hoofs. 2,278,298; Mar. 31.
Youngman, Gardner M., Washington, D. C. Apparatus for cutting filaments into staple lengths. 2,278,032; Mar. 31.
Youngstown Steel Door Company. (See Ditchfield, Frank, assignor.)
Yule, John A. C. (See Murray, A., and Yule.)
Zarfos, Clarence E., Red Lion, Pa., assignor, by mesne assignments, to International Cigar Machinery Company. Cigar perforating mechanism. 2,277,741; Mar. 31.
Zderad, Albina, et al. (See Hunter, John C., assignor.)
Zenith Radio Corporation. (See Weber, Rennie I., assignor.)
Zerbee, Louis J., Bellefontain, Ohio. Chair. 2,278,049; Mar. 31.
Ziegler, Louis M., Whitestone, N. Y. Exposure register. 2,278,342; Mar. 31.
Zotter, John F., assignor to The Fafnir Bearing Corporation, New Britain, Conn. Bearing seal. 2,277,810; Mar. 31.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF MARCH, 1942

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Picker check for looms. H. Hoeber and A. F. Jacob. Re. 22,056; Mar. 31.

LIST OF DESIGN INVENTIONS

Badge, Picture carrying. M. Fellman. 131,831; Mar. 31.
Band, Arm. S. E. Meland. 131,834; Mar. 31.
Board, Game. H. M. Smith. 131,826; Mar. 31.
Brooch or similar article. A. Katz. 131,811–13; Mar. 31.
Brooch or similar article. A. Katz. 131,859; Mar. 31.
Brooch or similar article. A. Katz. 131,861–2; Mar. 31.
Brooch or similar article. A. Katz. 131,877–8; Mar. 31.
Brooch or similar article. W. Lutz. 131,818; Mar. 31.
Brooch or similar article. A. Philippe. 131,824; Mar. 31.
Brooch or similar article. A. Philippe. 131,836; Mar. 31.
Brooch or similar article. A Philippe. 131,863–9; Mar. 31.
Brooch or similar article. A Philippe. 131,871; Mar. 31.
Brooch or similar article. A. Philippe. 131,882; Mar. 31.
Brooch, Separable. A. Katz. 131,860; Mar. 31.
Bottle, Eyecup. R. Peacock. 131,823; Mar. 31.
Bottle or similar article, Perfume. J. D. Buckingham. 131,830; Mar. 31.
Bracelet. A. Philippe. 131,852–3; Mar. 31.
Bracelet or similar article. W. W. Hobé. 131,847–9; March 31.
Building and observation tower, Combination. C. Galcáo. 131,805; Mar. 31.
Building block. W. A. Larson. 131,814; Mar. 31.
Candle and holder or the like, Combined. C. Turner. 131,793; Mar. 31.
Case, Clock. L. I. Bruce. 131,800–2; Mar. 31.
Clip, Pin. A Philippe. 131,881; Mar. 31.
Clip, Pin. A. Philippe. 131,883–9; Mar. 31.
Coat. J. Goldstein. 131,808–9; Mar. 31.
Coat. J. Matlin. 131,819–20; Mar. 31.
Compressor, Air. J. W. Houston. 131,850; Mar. 31.
Compressor, Air. J. W. Houston. 131,875; Mar. 31.
Compressor, Air. J. W. Houston. 131,894; Mar. 31.
Couch and cabinet or like article of furniture, Combination sleeping. R. E. Brandenburger. 131,829; Mar. 31.
Dish. B. Russell. 131,825; Mar. 31.
Displaying and storing unit, for bottled goods or the like, Combination. L. Navone. 131,843; Mar. 31.
Doll souvenir tea bell, Dutch. J. Hollander. 131,810; Mar. 31.
Dress. J. Brenner. 131,799; Mar. 31.
Dress. E. Cutler. 131,803–4; Mar. 31.
Dress. T. T. Garbis. 131,806–7; Mar. 31.
Dress. H. May. 131,821–2; Mar. 31.
Dress. M. McCoy. 131,879; Mar. 31.
Fabric, Knitted D. Siegel. 131,890; Mar. 31.
Fabric or similar article, Textile. A. J. Ostriker. 131,896; Mar. 31.
Fabric, Textile. A. Boutemy. 131,789; Mar. 31.
Fabric, Textile. S. Weinberg. 131,794; Mar. 31.
Fixture, Louvered fluorescent lighting. D. J. Biller. 131,845; Mar. 31.
Frame, Sewing machine. D. A. Cumfer. 131,846; Mar. 31.
Frame, Sewing machine. J. H. VanVorst. 131,837; Mar. 31.
Gauge, Scale height. A. Messana. 131,835; Mar. 31.
Glove. W. O. Wells, Jr. 131,838; Mar. 21.
Hanger, Clothes. G. J. Rhodes. 131,791; Mar. 31.
Hat. J. Artz. 131,873; Mar. 31.
Hat. J. Sussman. 131,897; Mar. 31.
Jewelry component or similar article. J. H. Fisher. 131,832; Mar. 31.
Jewelry finding or similar article. F. S. Moody. 131,851; Mar. 31.
Lace. I. Zendman, Jr. 131,795; Mar. 31.
Medal or similar article. L. F. Heberger. 131,872; Mar. 31.
Mill or similar article, Colloid. W. McLean and A. Hulley. 131,880; Mar. 31.
Mixer, Electric food. H. M. A. Strauss. 131,792; Mar. 31.
Negligee. V. Giovagnoni. 131,833; Mar. 31.
Pin or similar article. M. Boucher. 131,798; Mar. 31.
Pin or similar article, Brooch. W. W. Hobe. 131,854–8; Mar. 31.
Pin or similar article, Brooch. W. W. Hobé. 131,874; Mar. 31.
Plaque. R. A. Wright. 131,870; Mar. 31.
Playshoe or similar article. H. Felfer. 131,841; Mar. 31.
Pump unit, Suction. E. O. Pratt. 131,895; Mar. 31.
Ring, Plastic finger. N. Barbieri. 131,797; Mar. 31.
Shaker for salt or pepper. A. G. McClelland. 131,790; Mar. 31.
Shoe. R. V. Lee. 131,842; Mar. 31.
Shoe. R. Vivier. 131,844; Mar. 31.
Shoe or similar article. N. Elkin. 131,839; Mar. 31.
Shoe or similar article. K. B. Keyes. 131,840; Mar. 31.
Sprinkler and hair scrubber, Combination. N. L. Solomon. 131,891; Mar. 31.
Suit. A. Alper. 131,796; Mar. 31.
Suit. M. Bauman. 131,828; Mar. 31.
Suit. J. Liotti. 131,815; Mar. 31.
Suit, Infant's play. B. S. Jetmore. 131,876; Mar. 31.
Tire, Pneumatic. **H. R. Loepp. 131,816–17; Mar. 31.**
Toy or similar article, Stuffer. J. Swedlin. 131,827; Mar. 31.
Tractor cab. H. W. Bostrom. 131,892; Mar. 31.
Valve. C. B. Dalzell and H. W. Cheney. 131,893; Mar. 31.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31st DAY OF MARCH, 1942

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. L. W. Goddu. 2,277,696; Mar. 31.
Abrasive, Coated. W. C. Ware. 2,278,158; Mar. 31.
Accounting machine. J. R. Ganger. 2,277,851; Mar. 31.
Acoustical apparatus. C. R. Jacobs. 2,277,983; Mar. 31.
Acids, Fractionation of free fatty. S. E. Freeman. 2,278,309; Mar. 31.
Actuator. G. Carbonaro. 2,277,902; Mar. 31.
Adhesion of rubber to fabrics, Improving. E. T. Lessig and I. Gazdik. 2,278,355; Mar. 31.
Air conditioner, Vehicle. P. E. Diederich. 2,277,962; Mar. 31.
Aircraft. R. J. L. Moineau. 2,278,147; Mar. 31.
Aircraft, Deicing. F. G. Marshall. 2,278,206; Mar. 31.
Airplane safety device. F. R. Shanley. 2,278,219; Mar. 31.
Airplane stabilizer. R. A. Openshaw. 2,278,015; Mar. 31.
Airplanes, Storing and transporting. E. M. Scott. 2,277,787; Mar. 31.
Alidade. J. Edwin. 2,277,965; Mar. 31.
Aldehydes and urea derivatives, Condensation products of. J. F. Olin. 2,278,374-5; Mar. 31.
Alkyl substituted phenothioxins, Higher. F. B. Smith and H. W. Moll. 2,277,833; Mar. 31.
Amines, Manufacture of. J. F. Olin and E. J. Schwoegler. 2,278,372; Mar. 31.
Amines, Manufacture of. J. F. Olin. 2,278,373; Mar. 31.
Amphibian. W. P. Grabbe. 2,278,255; Mar. 31.
Amplifier. H. Dubberke. 2,277,662; Mar. 31.
Amusement apparatus, Coin controlled. B. S. Watling. 2,278,007; Mar. 31.
Antenna. H. Gironx. 2,277,826; Mar. 31.
Antibite clip. C. H. Karnaghan. 2,278,319; Mar. 31.
Antimony, Recovery of. W. H. Osborn. 2,278,134; Mar. 31.
Antisiphon fixture, Silent. G. J. Morris. 2,277,878; Mar. 31.
Antispasmodics. M. Heyn. 2,278,123; Mar. 31.
Apparatus and process for freezing ice cream. C. F. Weinreich and A. L. Voggenthaler. 2,278,340; Mar. 31.
Apparatus for accumulating and controlling loops in continuous strips. J. L. Anderson. 2,277,658; Mar. 31.
Apparatus for assembly of connector plugs. W. P. Herman. 2,278,176; Mar. 31.
Apparatus for cleaning rolls. C. F. Smith. 2,277,724; Mar. 31.
Apparatus for controlling the level of finely divided material within containers. C. Ness, H. V. Kojola, and G. A. Dunn. 2,277,879; Mar. 31.
Apparatus for cutting filaments into staple lengths. G. M. Youngman. 2,278,032; Mar. 31.
Apparatus for cutting and mixing. S. P. Ambrose. 2,278,051; Mar. 31.
Apparatus for flocculation. R. T. Steindorf. 2,277,890; Mar. 31.
Apparatus for forming heating coils. W. L. Enghauser. 2,278,254; Mar. 31.
Apparatus for lamp manufacture. E. C. Curwen and R. M. Gardner. 2,277,691; Mar. 31.
Apparatus for manufacture of mineral wool. G. T. Pearce. 2,278,092; Mar. 31.
Apparatus for measuring thickness. D. G. C. Hare. 2,277,756; Mar. 31.
Apparatus for mixing mineral aggregate. S. E. Finley. 2,278,069; Mar. 31.
Apparatus for molding bricks, blocks, and tiles. R. S. Sink. 2,277,789; Mar. 31.
Apparatus for perforating and cleaning cigars. L. S. Blount. 2,277,686; Mar. 31.
Apparatus for pitting half fruit. R. B. Nawman. 2,277,711; Mar. 31.
Apparatus for producing a gas atmosphere. H. E. Lewis. 2,278,204; Mar. 31.
Apparatus for producing high frequency mechanical vibrations. T. W. Case. 2,278,241; Mar. 31.
Apparatus for producing one-piece multi-focal ophthalmic lenses. L. L. Houchin. 2,278,314; Mar. 31.
Apparatus for vapor condensation. R. M. Ostermann. 2,278,085; Mar. 31.
Apparel, Electrically heated wearing. L. Marick. 2,277,772; Mar. 31.
Applicator, Dental floss. L. Jurovaty. 2,277,865; Mar. 31.
Arbor, Coil supporting. I. C. Karp and H. W. Compbell. 2,278,109; Mar. 31.
Arc welding system. C. J. Holslag. 2,277,909; Mar. 31.
Arrow. R. B. Crossman. 2,277,743; Mar. 31.
Article handling apparatus. P. M. Cole. 2,277,683; Mar. 31.
Articles, Making molded. Le R. T. Barnette. 2,277,673; Mar. 31.

Asphalt and producing same. U. B. Bray. 2,277,842; Mar. 31.
Assembly for clutches, brakes and the like. T. L. Fawick. 2,278,068; Mar. 31.
Automatic switching valve. D. W. Auld and C. T. Woodard. 2,277,887; Mar. 31.
Automobile jacking apparatus. O. G. Hess and W. J. Glenn. 2,277,908; Mar. 31.
Tread for dual wheel assemblies, Auxiliary. H. J. Fisher. 2,278,070; Mar. 31.
Averaging device. J. J. Preston. 2,277,993; Mar. 31.
Back part, Molded. L. S. MacDonald. 2,277,770; Mar. 31.
Bag. A. J. Sterling. 2,278,156; Mar. 31.
Bailing block. I. E. Allison. 2,277,943; Mar. 31.
Ball, Game. W. J. Voit and L. C. Weimer. 2,278,292; Mar. 31.
Bank, Registering coin-savings. D. H. Greer. 2,278,008; Mar. 31.
Bar soap, Non-Efflorescing. R. F. Heald. 2,278,352; Mar. 31.
Bas-relief on pile fabrics, Producing. G. C. Shryer. 2,277,937; Mar. 31.
Battery lifting and carrying device. L. C. Helmenstine. 2,277,976; Mar. 31.
Battery paste retainers, Making. A. W. Keen. 2,277,763; Mar. 31.
Battery post connector. A. H. Eisler, Jr. 2,278,307; Mar. 31.
Bearing: *See*—
Locomotive rod bearings. Spindle bearing.
Bicycle, Convertible tandem. D. A. Swanson. 2,277,727; Mar. 31.
Binder. I. Spinner. 2,277,834; Mar. 31.
Block: *See*—
Bailing block. Toy block.
Bolt with elastic washers of variable thickness, Self-locking. A. de Koharovich. 2,278,062; Mar. 31.
Boot hanger. L. L. Gillett. 2,278,258; Mar. 31.
Bottle vending machine. A. E. Ascheris and W. L. Leonard. 2,278,052; Mar. 31.
Box: *See*—
Cardboard box. Journal box.
Folding box.
Box. R. A. Nagle. 2,278,359; Mar. 31.
Box and lubricator, Journal. G. McCormick. 2,278,404; Mar. 31.
Bracket mounting, License plate. W. C. Hansen. 2,277,755; Mar. 31.
Brake: *See*—
Disk brake.
Brake. E. Trachsel. 2,277,859; Mar. 31.
Brake beams, Making. L. L. Whitney. 2,278,386; Mar. 31.
Brake for velocipedes, Backpedaling. S. B. Kurzina, Jr. 2,278,270; Mar. 31.
Brace. F. E. Detmers. 2,277,961; Mar. 31.
Braking mechanism. G. C. Beltman. 2,278,160; Mar. 31.
Brick treating method and apparatus therefor. G. B. Kissinger. 2,277,764; Mar. 31.
Brush. E. Brighton. 2,277,682; Mar. 31.
Brush and brush handle, Adjustable. N. J. Raptis. 2,278,283; Mar. 31.
Buckle, Lingerie adjustable. J. Shaulson. 2,278,153; Mar. 31.
Bulkhead door. F. T. Jenkins. 2,278,318; Mar. 31.
Business machine. R. W. Pitman. 2,278,118; Mar. 31.
Cabinet. W. A. Reich. 2,278,021; Mar. 31.
Cable drilling tool. M. R. Overholt. 2,278,137; Mar. 31.
Calcium phosphate, Colloidal tertiary. L. P. Lecoq. 2,277,854; Mar. 31.
Calculating machine. F. A. Niemann. 2,278,183; Mar. 31.
Calorized metal and producing the same. L. V. Adams. 2,278,406; Mar. 31.
Camera, Flashlight. O. J. Goering. 2,278,173; Mar. 31.
Can: *See*—
Film reel can.
Can end. A. H. Warth. 2,278,141; Mar. 31.
Canopy for supporting luminaries. M. Ruggieri. 2,278,218; Mar. 31.
Car seat. A. C. Macbeth. 2,277,875; Mar. 31.
Car truck. H. C. Dreibuss. 2,277,963; Mar. 31.
Carbon arc system, High intensity. V. H. Wells. 2,277,806; Mar. 31.
Carburetor. J. S. Culp. 2,278,305; Mar. 31.
Carburetor. F. S. Mock and R. W. Moore. 2,277,930; Mar. 31.
Carcass branding. B. E. Williams. 2,278,039; Mar. 31.
Card and wrap, Merchandise display. W. H. McIntire. 2,278,037; Mar. 31.

Cardboard box. J. H. McGrath. 2,277,773; Mar. 31.
Carrier wave-signal receiver, Modulated. R. L. Freeman. 2,277,850; Mar. 31.
Cash register. L. N. Lehman. 2,278,272; Mar. 31.
Cathead and clutching device therefor. A. L. Rodgers. 2,278,022; Mar. 31.
Catalysts, Manufacture of. J. F. Sturgeon. 2,278,223; Mar. 31.
Catalytic hydrocarbon reactions and catalysts therefor. W. G. Craig. 2,277,819; Mar. 31.
Cellulose ether products. D. C. Ellsworth and F. C. Hahn. 2,278,389; Mar. 31.
Centrifugal separator. W. H. Bath. 2,277,949; Mar. 31.
Chain: *See*—
Twist chain.
Chair. H. M. Kahn. 2,278,078; Mar. 31.
Chair. L. J. Zerbee. 2,278,049; Mar. 31.
Chloride to metal surfaces, Applying polyvinyl. D. G. Benson. 2,278,345; Mar. 31.
Christmas tree holder. D. E. Varner. 2,277,803; Mar. 31.
Chucking means. R. S. Brown. 2,277,816; Mar. 31.
Chute, Coin. W. Patzer and W. A. Tratsch. 2,278,129; Mar. 31.
Cigar perforating mechanism. C. E. Zarfos. 2,277,741; Mar. 31.
Cigar piercer. S. Clausen. 2,277,690; Mar. 31.
Circuit: *See*—
Electric discharge lamp circuit.
Clamp: *See*—
Hose clamp.
Clamp. B. A. Tetzlaff. 2,278,336-7; Mar. 31.
Clamp applying machine. E. E. Perkins. 2,277,935; Mar. 31.
Classification. T. B. Counselman. 2,277,817; Mar. 31.
Cleaner: *See*—
Sewer and pipe cleaner. Spark plug cleaner.
Sewer cleaner. Vacuum cleaner.
Clip: *See*—
Antibite clip.
Clock. M. Wapner. 2,277,804; Mar. 31.
Clock, Electric. H. C. Bunnin. 2,278,364; Mar. 31.
Clothespin package. H. B. Smith. 2,277,669; Mar. 31.
Cloud height and thickness, Measuring. F. W. Dunmore. 2,277,692; Mar. 31.
Clutch construction, Overrunning. W. C. Starkey and M. H. Miller. 2,277,795; Mar. 31.
Coil unwinder. A. and E. A. Calleson. 2,278,240; Mar. 31.
Coin collecting means. C. Klemt. 2,277,916; Mar. 31.
Collet. O. G. Holmes. 2,278,267; Mar. 31.
Combine and swather, Convertible. R. S. Walters. 2,278,394; Mar. 31.
Combined land and marine vehicle. J. M. Poche. 2,278,215; Mar. 31.
Communication system. L. Y. Lacy. 2,278,177; Mar. 31.
Compensating indicator. F. W. Guibert and F. B. Fuller. 2,277,700; Mar. 31.
Composite panel board. W. J. Moeller. 2,278,146; Mar. 31.
Condensation process of the formaldehyde acetaldehyde type. H. Schulz and H. Wagner. 2,277,887; Mar. 31.
Condenser: *See*—
Electrical condenser.
Condition control system and apparatus. J. Eaton 2,278,252; Mar. 31.
Conductor, Electrical. B. K. Ford. 2,278,366; Mar. 31.
Connector: *See*—
Battery post connector.
Contact system. E. Berl. 2,277,840; Mar. 31.
Container: *See*—
Flower container. Shipping container.
Container, and making the same. M. Laitman. 2,278,271; Mar. 31.
Container protecting cushion and/or container. J. N. Lowe. 2,278,083; Mar. 31.
Contour making and leveling machine, Combined. I. F. Fisher. 2,278,349; Mar. 31.
Contraction joint. R. R. Robertson 2,278,023; Mar. 31.
Control apparatus. J. W. Dawson. 2,277,847; Mar. 31.
Control apparatus. J. L. Harris. 2,278,402; Mar. 31.
Control apparatus. C. E. Mason. 2,277,768; Mar. 31.
Control device and system. J. R. Aufero. 2,277,899; Mar. 31.
Control lever for farm instruments. N. W. Franzkowiak. 2,277,966; Mar. 31.
Control mechanism, Hydraulic. C. H. Davis. 2,278,249; Mar. 31.
Control system. C. Stansbury. 2,278,222; Mar. 31.
Control system, Electric. E. E. Moyer. 2,278,212; Mar. 31.
Control valve. P. H. Thompson. 2,277,998; Mar. 31.
Conveyer. E. D. Rapisarda. 2,278,361; Mar. 31.
Conveyer mounting. C. T. Broshkevitch. 2,278,363; Mar. 31.
Cooker, Steam pressure. C. Maddox. 2,278,276; Mar. 31.
Cooler: *See*—
Evaporative cooler. Fluid cooler.
Coordinated control valve. P. H. Thompson. 2,278,003; Mar. 31.
Core machine. S. A. Bodi. 2,278,190; Mar. 31.
Counting device. H. L. Bornfieth. 2,278,237; Mar. 31.
Coupling: *See*—
Engine and gear coupling. Hose coupling.
High pressure slip coupling. Pipe coupling.
Coupling. K. J. Kollmann. 2,278,324; Mar. 31.
Coupling or fitting, Quick detachable. H. W. Fairchild. 2,278,308; Mar. 31.
Counterweight mechanism for drill spindles. W. G. Hoelscher. 2,278,262; Mar. 31.
Crank mechanism for bicycles. T. I. Duffy. 2,277,748; Mar. 31.
Crayon. J. H. Oxley. 2,277,992; Mar. 31.
Crystal holder. H. O. Peterson and P. V. Winans. 2,278,093; Mar. 31.
Curtain drier. F. B. Loustalet. 2,277,920; Mar. 31.
Cushion, mattress, and other resilient supports. C. H. Köhn. 2,277,853; Mar. 31.
Cuttings-conveying mechanism. D. R. Richards. 2,278,119; Mar. 31.
Cylinder adjusting and gauging control, Offset press. R. F. Holtz. 2,278,312; Mar. 31.
Defrosting attachment. C. E. Meyerhoefer. 2,277,869; Mar. 31.
Desulphurized polysulphide polymer and process of making. J. C. Patrick. 2,278,128; Mar. 31.
Device for hulling peas. A. F. Ponto. 2,277,777; Mar. 31.
Device for introducing combusion controlling and other substances into internal combustion engines. V. W. Eckel and L. A. Sanchez. 2,277,749; Mar. 31.
Diamidine derivatives, Preparation of. A. J. Ewins, H. J. Barber, G. Newbery, J. N. Ashley, and A. D. H. Self. 2,277,861-2; Mar. 31.
Dielectric compositions. F. M. Clark. 2,277,689; Mar. 31.
Directional indicating device. V. T. Wiglesworth. 2,278,031; Mar. 31.
Directional signal. W. J. Porter. 2,278,282; Mar. 31.
Discharge device, Electron. J. A. Morton. 2,278,210; Mar. 31.
Disk brake. J. M. Milan. 2,278,144; Mar. 31.
Dispenser. F. L. Broeren and S. N. Hope. 2,277,815; Mar. 31.
Dispenser. J. S. Rosenblatt. 2,277,936; Mar. 31.
Dispenser for sheet material. R. E. Walsh and R. O. Wilson. 2,278,029; Mar. 31.
Dispensing apparatus. R. A. Nicholson. 2,278,013; Mar. 31.
Dispensing device. G. C. Ellsworth. 2,278,253; Mar. 31.
Display device. P. Rosenblatt. 2,278,383; Mar. 31.
Display device. D. Whitestone and H. B. Robinson. 2,277,807; Mar. 31.
Disulphide, Purification of carbon. J. J. Stoeckly and E. Profft. 2,278,384; Mar. 31.
Doll, Animated. J. V. Irenius. 2,277,762; Mar. 31.
Doll cradle construction. M. Kowlnski. 2,278,124; Mar. 31.
Door: *See*—
Bulkhead door. Sliding lift door.
Door operating mechanism. O. Mowers and G. R. Hanna. 2,277,932; Mar. 31.
Dowel pin, Metallic. E. C. Coffman. 2,277,956; Mar. 31.
Douche, Water closet. A. Bigio. 2,278,055; Mar. 31.
Draft control. R. W. Franks. 2,277,751; Mar. 31.
Drainage means for tank roofs. J. H. Wiggins. 2,278,294; Mar. 31.
Drawer slide. H. L. Kennedy and C. A. Uncapher. 2,277,703; Mar. 31.
Drier: *See*—
Curtain drier. Electric hair drier.
Driving mechanism. J. Oakley. 2,277,829; Mar. 31.
Duplicating machine. J. L. Gibson. 2,277,967; Mar. 31.
Duplicating machine. B. D. Gilbert. 2,278,197; Mar. 31.
Dyestuffs, Dioxazine. H. Greune and G. Langbein. 2,278,260; Mar. 31.
Dynamometer. K. Keller. 2,278,201; Mar. 31.
Edges on container, Method of and apparatus for curling. C. Barbieri. 2,278,299; Mar. 31.
Electric circuits. E. E. Moyer. 2,278,211; Mar. 31.
Electric discharge electrode. W. H. Otto. 2,277,712; Mar. 31.
Electric lamp. M. E. Macksoud. 2,277,876; Mar. 31.
Electric system and apparatus. H. E. Grier. 2,277,697; Mar. 31.
Electrical condenser. F. W. Godsey, Jr. 2,277,968; Mar. 31.
Electrical control system. A. S. Fitz Gerald. 2,277,849; Mar. 31.
Electrical impedisivity and resistivity measuring. F. W. Lee. 2,277,707; Mar. 31.
Electrical resistance device and manufacture thereof. H. L. B. Gould and B. A. Kingsburg. 2,278,072; Mar. 31.
Electrical switch. H. and L. A. Williams. 2,277,671; Mar. 31.
Electrically actuated apparatus. D. C. Daniels. 2,278,365; Mar. 31.
Electrically controlled mechanisms, Actuating. W. H. McLaughlin and G. H. Rendel. 2,278,087; Mar. 31.
Electrode holder. R. W. Welsh. 2,277,894; Mar. 31.
Electrode pastes, Producing. A. P. Hauel. 2,277,973; Mar. 31.

Electrohydraulic operator. E. E. Arnold. 2,277,836; Mar. 31.
Electrolytic device. J. B. Brennan. 2,277,687; Mar. 31.
Electrolytic device, and making same. J. B. Brennan. 2,278,161; Mar. 31.
Electromagnetic self-interrupter. P. Lösch. 2,277,867; Mar. 31.
Electron discharge device and circuit. E. W. Herold. 2,277,863; Mar. 31.
Electronic discharge device. A. M. Skellett. 2,277,858; Mar. 31.
Elevator control system. E. L. Schwarz. 2,278,120; Mar. 31.
Elevator, Smoke. C. R. Falconer and G. H. Koester. 2,277,694; Mar. 31.
Emergency brake control. L. E. LaBrie. 2,277,767; Mar. 31.
Engine: *See*—
Internal combustion engine. — Two-cycle engine.
Engine and gear coupling. H. Lieberherr. 2,278,181; Mar. 31.
Engine of compression ignition type, Internal combustion. R. F. Colell. 2,278,245; Mar. 31.
Evaporative cooler. R. L. Chapman. 2,278,242; Mar. 31.
Exposure register. L. M. Ziegler. 2,278,342; Mar. 31.
Extraction pressure regulating apparatus. H. Steen-Johnsen. 2,278,290; Mar. 31.
Eyecup. E. J. Leonard. 2,278,326; Mar. 31.
Fabric and method, Knitted. W. L. Smith, Jr. 2,278,154; Mar. 31.
Fan. G. E. Lofgren. 2,278,082; Mar. 31.
Fan construction. C. E. Meyerhoefer. 2,277,868; Mar. 31.
Fastener: *See*—
Slide fastener.
Fastening device for washing machines. A. Miller. 2,277,874; Mar. 31.
Feeder: *See*—
Poultry feeder.
Feeding device, Pin type. H. G. Dybvig. 2,277,693; Mar. 31.
Feeding mechanism for shaker or gigging conveyers. E. R. Bergmann. 2,278,302; Mar. 31.
Fermentation process for the production of 2-ketogluconic acid. L. B. Lockwood, G. E. Ward, J. J. Stubbs, E. T. Roe, and B. Tabenkin. 2,277,716; Mar. 31.
Ferrous articles, Zinc plating. R. O. Hull. 2,277,664; Mar. 31.
File support. F. D. Jonas. 2,278,403; Mar. 31.
Filler feed and charge former for cigar machines. V. J. Wahlstrom. 2,277,732; Mar. 31.
Film rewind for picture projector. F. Freimann and W. E. Kieruiff. 2,278,367; Mar. 31.
Fish lure. A. Sisco. 2,277,790; Mar. 31.
Fitting for gas burners. P. S. Harper. 2,277,757; Mar. 31.
Fixture for attaching bumpers and the like to automobile frames. E. R. Berluti. 2,278,121; Mar. 31.
Flash lamp. C. W. Patton. 2,277,776; Mar. 31.
Flashlight, Batteryless. G. W. Alexander. 2,277,897; Mar. 31.
Flash-photography apparatus. K. J. Germeshausen. 2,277,698; Mar. 31.
Flask stripper. P. D. Nielsen. 2,278,115; Mar. 31.
Flexible pipe joint. G. F. Hauf. 2,278,074; Mar. 31.
Floor rack for refrigerator cars. C. S. Johnston. 2,278,354; Mar. 31.
Flooring construction. G. E. Swenson. 2,277,892; Mar. 31.
Flow-control valve. P. H. Thompson. 2,278,001; Mar. 31.
Flow apparatus. A. S. Parks. 2,278,017; Mar. 31.
Flowmeter. V. E. Hoffman and E. F. Kelm. 2,277,760; Mar. 31.
Flower container. B. W. Hall. 2,278,198; Mar. 31.
Fluid cooler. H. W. Taylor. 2,278,225–6; Mar. 31.
Fluid regulator. H. R. Downs. 2,277,746; Mar. 31.
Flume, Composite wooden. R. Houston. 2,277,701; Mar. 31.
Folder attachment for sewing machines. R. J. Sailer. 2,278,043; Mar. 31.
Folding attachment for sewing machines. R. J. Sailer. 2,278,042; Mar. 31.
Folding box. D. Sackett. 2,277,717; Mar. 31.
Food mixer. M. J. Landgraf. 2,278,125; Mar. 31.
Food mixer. H. M. A. Strauss and W. D. Harbaugh. 2,278,186; Mar. 31.
Food processor. A. Strauss, E. G. Feltman, M. M. Hunt, and W. D. Harbaugh. 2,278,187; Mar. 31.
Forging apparatus. W. J. Watson. 2,278,293; Mar. 31.
Forgings, Finishing. L. Layton. 2,278,325; Mar. 31.
Form for septic tanks. M. C. Nottingham. 2,278,089; Mar. 31.
Frame: *See*—
Knitting bag frame.
Frequency modulation system. O. E. De Lange. 2,278,063; Mar. 31.
Friction drive. T. Bokich. 2,277,659; Mar. 31.
Fruit for position, Inspecting. E. W. Carroll. 2,277,903; Mar. 31.
Fruit stoning machine. R. A. H. P. Chapelle. 2,278,400; Mar. 31.
Fruit turning device. F. A. Wool. 2,277,940; Mar. 31.
Fuel injection pump. A. Lichte and E. Kolbe. 2,278,395; Mar. 31.
Furnace: *See*—
Strip-annealing furnace.
Furnace and operating same, Combustion and chemical recovery. J. P. Badenhausen. 2,277,946; Mar. 31.
Furnace construction. S. M. Jenkins. 2,277,984; Mar. 31.
Furnace for melting glass, Electric. E. V. Borel. 2,277,678–9; Mar. 31.
Furniture, Article of. S. Frey. 2,277,752; Mar. 31.
Furniture, Knockdown. J. E. Bales. 2,277,948; Mar. 31.
Fuse. A. J. Bowie. 2,278,058; Mar. 31.
Galvanometer. F. G. Back. 2,278,343; Mar. 31.
Galvanometer contact device. H. Moreau. 2,278,113; Mar. 31.
Game apparatus. A. Rosenzweig. 2,278,024; Mar. 31.
Gang lift for cultivators, Automatic. H. W. Waltke. 2,278,006; Mar. 31.
Garment, Breast pocket and foundation. C. H. Rasch. 2,278,332; Mar. 31.
Garment hanger. J. A. Schmitt. 2,277,995; Mar. 31.
Garment protector. A. F. D. Pearson. 2,278,185; Mar. 31.
Gases, process and apparatus for monitoring. W. A. Darrah. 2,278,248; Mar. 31.
Gauge: *See*—
Vacuum gauge.
Gear: *See*—
Landing gear.
Gearshift control. D. S. Dence, E. E. Eaton, and R. Lapsley. 2,277,745; Mar. 31.
Gear shifting mechanism. E. G. Kesling. 2,277,913; Mar. 31.
Gearshifting mechanism. E. G. Kesling. 2,277,914; Mar. 31.
Generator: *See*—
Signaling wave generator.
Glass cutting apparatus. D. R. Limbers. 2,278,273; Mar. 31.
Glass, Frosting. D. P. Gallagher. 2,278,257; Mar. 31.
Glass, Laminated. F. W. Hall. 2,278,369; Mar. 31.
Glass, Manufacture of drawn. P. Magrini. 2,278,328; Mar. 31.
Glass products, Spun. K. N. Mathes. 2,278,207; Mar. 31.
Glazing construction, Double. W. Owen. 2,278,360; Mar. 31.
Golf ball centers and the resultant product, Process for making. W. E. Reichard. 2,278,381; Mar. 31.
Golf tee. F. H. Lehman. 2,277,918; Mar. 31.
Grate structure. J. W. Hulson. 2,278,316–17; Mar. 31.
Grease dispensing apparatus. E. I. Franson. 2,277,824; Mar. 31.
Grinding wheel. H. E. Bauer. 2,278,301; Mar. 31.
Gripping device serving both as hairpin and curler. B. H. Sylow-Hansen, born Hubert. 2,277,798; Mar. 31.
Guanyl urea, Preparation of. G. H. Foster and D. W. Jayne, Jr. 2,277,823; Mar. 31.
Guard. R. D. Patrick and B. Economopulos. 2,278,091; Mar. 31.
Guard, Splash. W. C. Jackson. 2,277,666; Mar. 31.
Guards for reciprocating knives, Making. W. Vutz. 2,278,393; Mar. 31.
Gyroscopes, Control means for. P. E. Köster. 2,278,379; Mar. 31.
Hair drier, Electric. E. Lewis. 2,278,180; Mar. 31.
Hair dyeing appliance. J. Matys. 2,278,112; Mar. 31.
Halides, Preparation of. A. S. Behrman. 2,278,053; Mar. 31.
Hand protector. C. Tweedie. 2,277,893; Mar. 31.
Handle. E. Worthington. 2,277,739; Mar. 31.
Hanger: *See*—
Boot hanger. — Garment hanger.
Hangrod, Pull-out. E. L. Clouse. 2,277,954; Mar. 31.
Hat machine. G. W. Cuming. 2,277,820; Mar. 31.
Headgear, Athletic. R. V. Roberts. 2,277,994; Mar. 31.
Headlight, especially for automobiles and similar vehicles. A. E. Bergström. 2,277,685; Mar. 31.
Headlight, Vehicle. I. N. Thoen. 2,278,028; Mar. 31.
Heat exchange unit. W. E. McCullough and A. L. Goldsmith. 2,277,921; Mar. 31.
Heat exchanger, Extended surface. E. S. Lea. 2,278,086; Mar. 31.
Heat exchangers, Making. C. Steenstrup. 2,278,155; Mar. 31.
Heat transfer system. L. H. Hesse. 2,277,977; Mar. 31.
Heater: *See*—
Permanent wave heater. — Unit heater.
Heater. M. W. Barnes. 2,278,189; Mar. 31.
Heater. C. E. Meyerhoefer. 2,277,870; Mar. 31.
Heating device. C. H. Heagle. 2,277,974; Mar. 31.
Heating system, Automobile. E. C. Booth. 2,277,814; Mar. 31.
High frequency switch. R. F. Guy. 2,278,371; Mar. 31.
High pressure slip coupling. R. F. McMurray. 2,277,922; Mar. 31.
Holder: *See*—
Christmas tree holder. — Key holder.
Crystal holder. — Leaf holder.
Electrode holder. — Paper pack holder.
Holder for triturators, Cutter blade. A. G. Lind. 2,278,274; Mar. 31.

Holding device for towels and the like objects. E. H. Hecht. 2,278,075; Mar. 31.
Hone, Hydraulically actuated. F. J. Jeschke. 2,277,985; Mar. 31.
Hose clamp. H. Gass. 2,278,071; Mar. 31.
Hose coupling. C. G. Butler. 2,278,239; Mar. 31.
Hose, Method and means for coiling. A. G. Horvath. 2,277,864; Mar. 31.
Hose, Pressure. E. Schulthess. 2,277,786; Mar. 31.
Hosiery. F. Klumpp. 2,277,766; Mar. 31.
Hosiery, and making same. L. H. Mendelsohn. 2,278,277; Mar. 31.
Housing, Gas installation. P. A. Anderson. 2,278,232; Mar. 31.
Hydraulic pumping apparatus. W. E. Hubbard. 2,277,761; Mar. 31.
Hydrocarbon conversion. K. M. Watson. 2,278,228; Mar. 31.
Hydrocarbons, Reforming and polymerizing. P. Subkow. 2,277,938; Mar. 31.
Hydroxyalkyloxyalkyl cyanamides, Preparing. W. P. Ericks. 2,277,821; Mar. 31.
Identification apparatus. J. A. Madden. 2,278,357; Mar. 31.
Illumination. A., M. W., and A. W. Mack. 2,278,142; Mar. 31.
Incubator. G. T. Markey. 2,278,205; Mar. 31.
Indicating device. F. W. Guibert and F. B. Fuller. 2,277,699; Mar. 31.
Indicating device. T. L. Mayeux and H. A. Levey. 2,278,084; Mar. 31.
Indicating mechanism for liquid dispensing apparatus. W. E. Milestone, B. B. West, and T. S. Ross. 2,278,145; Mar. 31.
Indicator: *See*—
Compensating indicator. — Weight indicator.
Phase indicator.
Inductance device. R. Mueller. 2,277,775; Mar. 31.
Ingots, Making cash metal. J. M. Keir. 2,278,321; Mar. 31.
Inhibitors. P. Subkow. 2,278,224; Mar. 31.
Inking printing cylinders, Method and apparatus for. A. M. Wickwire, Jr. 2,278,387; Mar. 31.
Insecticide. E. W. Bousquet. 2,277,680; Mar. 31.
Internal combustion engine. W. Becht. 2,277,839; Mar. 31.
Internal combustion motor. E. E. Heuschober. 2,277,759; Mar. 31.
Insulation element. K. C. Kerrihard. 2,277,988; Mar. 31.
Inventory device, Perpetual. H. W. Meyer. 2,277,929; Mar. 31.
Iron: *See*—
Steam pressing iron.
Items of printed matter into packages, Automatically inserting. B. Shores. 2,277,856; Mar. 31.
Joint: *See*—
Contraction joint. — Flexible pipe joint.
Joint construction. J. D. Conrad and K. R. Stearns. 2,278,304; Mar. 31.
Journal box. D. S. Barrows. 2,277,812; Mar. 31.
Journal box. W. Blackmore. 2,278,362; Mar. 31.
Keyboard tape transmitter, Combined. R. A. Lake. 2,277,706; Mar. 31.
Keyboard tape transmitter, Combined. A. H. Reiber. 2,277,715; Mar. 31.
Key holder. P. G. Nelson. 2,278,088; Mar. 31.
Knitting bag frame. L. B. Moore. 2,278,209; Mar. 31.
Knitting machine. K. Howie. 2,278,105–6; Mar. 31.
Knitting machine. C. W. Strzalkowski. 2,277,796; Mar. 31.
Knitting machine, Multiple section flat. C. W. Strzalkowski. 2,277,797; Mar. 31.
Labeling and stamping machine. R. C. Talbot. 2,277,801; Mar. 31.
Lamp: *See*—
Electric lamp. — Flash lamp.
Lamp circuit, Electric discharge. T. W. Frech. 2,278,256; Mar. 31.
Lamp display device, Vehicle. W. M. Horton. 2,277,981; Mar. 31.
Land leveling machine. L. E. Shumaker. 2,277,889; Mar. 31.
Landing gear. F. C. Albright. 2,277,896; Mar. 31.
Lantern slide folder. J. E. Grant. 2,277,969; Mar. 31.
Last for footwear. F. J. MacDonald. 2,277,769; Mar. 31.
Lath, Interlocking. F. Jockisch. 2,278,077; Mar. 31.
Lead ores, Concentrating oxidized. J. T. Terry. 2,278,027; Mar. 31.
Lead wires and terminals, Connecting. E. R. Murphy. 2,278,392; Mar. 31.
Leaf holder. H. C. Matthews. 2,278,143; Mar. 31.
Leg rest. K. W. Thalhammer. 2,277,939; Mar. 31.
Leg construction, Folding. J. Kovats. 2,277,917; Mar. 31.
Levelling attachment for tractors. H. B. Noble. 2,277,880; Mar. 31.
Leveling mechanism. H. Kramer. 2,278,081; Mar. 31.
Light for automobile interiors, Night driving. O. C. and R. E. Schlemmer. 2,277,784; Mar. 31.
Light signal device, Hand operated electric. A. D. Le Sage. 2,277,866; Mar. 31.
Lighter. L. D. Jamieson. 2,277,910; Mar. 31.
Lighter and display device, Automatic. H. E. Goldstine. 2,278,130; Mar. 31.
Lighting device. H. Hacklander. 2,277,972; Mar. 31.
Line insulator, Multipost. E. M. Meyer. 2,278,330; Mar. 31.
Liquid level control valve. P. H. Thompson. 2,278,000; Mar. 31.
Liquid level responsive valve. P. H. Thompson. 2,278,002; Mar. 31.
Liquid pump and gas separator. A. Scheibe, W. Valerius, and L. Wagensell. 2,278,397; Mar. 31.
Loader, Log. J. H. Baker. 2,278,035; Mar. 31.
Lock: *See*—
Repair lock.
Lock. T. A. Scanlan. 2,278,044; Mar. 31.
Lock bolt construction. L. M. Baker. 2,278,344; Mar. 31.
Lock for the breechblock of firearms, Slide operated. A. B. Cullon. 2,277,959; Mar. 31.
Lock slider for slide fasteners, Automatic. N. J. Poux. 2,277,831; Mar. 31.
Locomotive rod bearing. R. E. Horger. 2,277,980; Mar. 31.
Loop guide, and applying loops to a machine. H. A. Klahre. 2,278,269; Mar. 31.
Lubricating pump. J. W. Kinnucan. 2,278,110; Mar. 31.
Machine and method for use in the manufacture of shoes. G. H. Bell. 2,277,684; Mar. 31.
Machine casing, Calculating. F. A. Niemann. 2,278,405; Mar. 31.
Machine for bag forming, filling, and sealing articles in cellulose bags. L. Scharf. 2,277,783; Mar. 31.
Machine fo making plaitings. C. Seaman. 2,277,719–20; Mar. 31.
Machine for making polygonal openings. F. G. Silva. 2,277,997; Mar. 31.
Machine for operating on sheet metal. C. M. Yoder. 2,277,740; Mar. 31.
Machine for winding balls. B. Bogoslowsky. 2,277,677; Mar. 31.
Machine for wrapping articles. A. Van Veen. 2,278,005; Mar. 31.
Machine tool. C. A. Rich. 2,278,216; Mar. 31.
Magazine and film handling apparatus. W. D. Foster. 2,277,695; Mar. 31.
Magnesium chloride, Dehydrating. S. B. Heath and F. R. Minger. 2,277,827; Mar. 31.
Marine turbine cross-over, Connection. H. W. Semar. 2,278,152; Mar. 31.
Marker, Pattern. M. Rogers. 2,277,667; Mar. 31.
Marking machine. C. F. Robbins. 2,277,884; Mar. 31.
Material and making the same, Dielectric. E. Wainer and N. R. Thielke. 2,277,733; Mar. 31.
Material and making the same, Dielectric. E. Wainer and N. R. Thielke. 2,277,734; Mar. 31.
Material and making the same, Dielectric. E. Wainer and N. R. Thielke. 2,277,736; Mar. 31.
Material, Masonry simulating. G. J. Snyder. 2,278,289; Mar. 31.
Material, Polymeric. G. De W. Graves. 2,278,850; Mar 31.
Materials containing synthetic textile fibers, Crimping. E. W. Rugeley. 2,277,782; Mar. 31.
Materials, etc., Artificial textile. H. Dreyfus. 2,277,747; Mar. 31.
Materials testing apparatus. R. K. Bernhard. 2,277,813; Mar. 31.
Matrix. H. Swan and S. Higgins. 2,278,291; Mar. 31.
Measuring and control instrument. C. B. Moore 2,278,132; Mar. 31.
Measuring instrument. L. H. Donnell. 2,278,194; Mar. 31.
Metallic surfaces, Decorating. R. S. Smith and R. S. Lynch. 2,277,725; Mar. 31.
Method and apparatus for inking printing cylinders. A. M. Wickwire, Jr. 2,278,387; Mar. 31.
Mileage reminder of the drum type, Automotive. L. Illmer. 2,277,665; Mar. 31.
Mineral concentration. L. J. Christmann, D. W. Jayne, Jr., and S. E. Erickson. 2,278,060; Mar. 31.
Mineral-coating composition, Preparation of. F. H. Frost and K. E. Terry. 2,277,952; Mar. 31.
Mixer: *See*—
Food mixer.
Mixing device. J. H. Wittmann. 2,278,398; Mar. 31.
Moistening mechanism. W. E. Denison. 2,277,960; Mar. 31.
Mold culture. G. B. Ayres and J. G. Niedercorn. 2,278,233–6; Mar. 31.
Mole trap. N. Perinelli. 2,278,117; Mar. 31.
Motor: *See*—
Internal combustion motor.
Motor, pump and the like, Rotary fluid pressure. M. B. Booth. 2,277,661; Mar. 31.
Motor. C. G. Puchy. 2,278,139; Mar. 31.
Motor control system, Synchronous. A. H. Lauder. 2,278,179; Mar. 31.

Mounting: *See*—
Bracket mounting. Ophthalmic mounting.
Conveyer mounting. Wheel mounting.
Oil filter mounting.
Mounting device for oil filters. J. W. Wilkinson. 2,277,738; Mar. 31.
Mounting for electrical connectors. H. F. Livingston. 2,278,356; Mar. 31.
Mounting for reflector buttons. F. Sadoski. 2,278,025; Mar. 31.
Mowing machine, Power-driven. J. S. Clapper. 2,277,844; Mar. 31.
Neutralizer, Ground fault. R. D. Evans. 2,277,860; Mar. 31.
Nitrite product and method of preparation, Free-flowing sodium. F. S. Chambers and W. E. Kirst. 2,278,059; Mar. 31.
Non-clogging, self-cleaning apparatus. F. W. Arnold and L. J. Richards. 2,278,033; Mar. 31.
Nozzle construction, Hose. F. M. Ashley and E. P. Fraser. 2,277,811; Mar. 31.
Nozzle, Suction. A. E. Ross. 2,278,096; Mar. 31.
Nozzle, Suction. A. E. Ross. 2,278,382; Mar. 31.
Oil filter mounting. J. W. Wilkinson. 2,277,737; Mar. 31.
Operating machine for dumping doors. T. C. Kaseberg. 2,277,987; Mar. 31.
Ophthalmic mounting. E. M. Splaine. 2,277,726; Mar. 31.
Ore materials, Concentrating. D. W. Jayne, Jr., S. E. Erickson, and H. M. Day. 2,278,107; Mar. 31.
Ore, Separating chalcocite. A. W. Ralston and E. W. Segebrecht. 2,278,020; Mar. 31.
Oscillator circuit in superheterodyne receivers, Local. K. Domack and K. Eisele. 2,278,066; Mar. 31.
Oscillator-modulator system. H. A. Wheeler. 2,278,159; Mar. 31.
Packaging machine. J. Cattonar and G. Olm. 2,277,688; Mar. 31.
Pack handling apparatus. M. P. Sieger. 2,278,140; Mar. 31.
Packing means for pump rods. J. H. Cope, Jr. 2,278,347; Mar. 31.
Panel fastening device. F. M. Small. 2,277,792; Mar. 31.
Paper pack holder. F. L. Murdock. 2,278,011; Mar. 31.
Permanent wave heater. H. C. Stearns. 2,278,335; Mar. 31.
Pest control. M. E. Cupery and A. P. Tanberg. 2,277,744; Mar. 31.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,278,164–71; Mar. 31.
Phase indicator. W. S. Eaton. 2,277,906; Mar. 31.
Photoelectric apparatus for cameras. H. F. Tonnies. 2,278,338; Mar. 31.
Photomechanical process. A. Murray and J. A. C. Yule. 2,278,114; Mar. 31.
Picture stand. E. Klahn. 2,277,765; Mar. 31.
Piezoelectric crystal apparatus. H. J. McSkimin and R. A. Sykes. 2,277,709; Mar. 31.
Pin: *See*—
Dowel pin. Metallic dowel pin.
Pipe coupling. K. L. Lanninger. 2,277,990; Mar. 31.
Piston. A. W. Roebuck. 2,278,149; Mar. 31.
Piston packing. G. C. Mayfield. 2,277,926; Mar. 31.
Piston ring assembly. H. P. Phillips. 2,278,019; Mar. 31.
Planter, Electric seed. O. C. Roscoe. 2,278,150; Mar. 31.
Plasticized polyvinyl chloride filaments, sheets, etc., Manufacture of. J. G. E. Wright. 2,278,231; Mar. 31.
Plaiting. C. Seaman. 2,277,722; Mar. 31.
Plaiting, Making. C. Seaman. 2,277,723; Mar. 31.
Pneumatic dispatch system. M. M. Bottemiller. 2,278,346; Mar. 31.
Pneumatic valve. L. C. Broecker. 2,278,122; Mar. 31.
Polysulphide polymeric product. J. C. Patrick. 2,278,127; Mar. 31.
Poster, Display. J. V. Horr. 2,278,076; Mar. 31.
Poultry feeder. A. N. Plante. 2,278,281; Mar. 31.
Poultry fountain stand. P. T. Van Fleet. 2,278,047; Mar. 31.
Power transmission. A. J. Syrovy. 2,277,800; Mar. 31.
Power transmission. A. J. Syrovy and T. Iavelli. 2,277,799; Mar. 31.
Power transmission device. H. A. Pedersen. 2,278,018; Mar. 31.
Press: *See*—
Printing press. Screw press.
Press. W. H. Osborn. 2,278,135; Mar. 31.
Pressure measuring instrument. E. C. Burdick and R. Ullman. 2,277,681; Mar. 31.
Pressure regulating valve. P. H. Thompson. 2,278,004; Mar. 31.
Printing machine, Multicolor flock. N. C. Thackeray and L. N. Lusby. 2,278,227; Mar. 31.
Printing press, Rotary intaglio. J. B. Paardecamp. 2,278,138; Mar. 31.
Products from tartaric acid. R. Pasternack and R. A. Patelski. 2,277,872; Mar. 31.
Projection screen. T. S. Harkness. 2,278,073; Mar. 31.
Propeller. J. F. Cullin. 2,278,247; Mar. 31.
Propeller and the like. O. R. Gischow. 2,278,259; Mar. 31.
Protector: *See*—
Garment protector. Tent canvas protector.
Hand protector. Thread protector.
Puller: *See*—
Sinew puller.
Pump: *See*—
Fuel injection pump. Lubricating pump.
Pump. J. T. Leonard. 2,277,991; Mar. 31.
Pump. W. T. Livermore. 2,278,131; Mar. 31.
Pumping mechanism. C. E. Bridwell. 2,278,399; Mar. 31.
Punch. S. J. Olson. 2,278,184; Mar. 31.
Punch, Gang. J. E. Sadler. 2,278,288; Mar. 31.
Rack: *See*—
Record rack.
Radio direction finder. W. S. Eaton. 2,277,905; Mar. 31.
Radio receiving apparatus. M. J. Pifer. 2,278,094; Mar. 31.
Radio receiving apparatus. R. I. Weber. 2,278,030; Mar. 31.
Radio transmitter. C. S. Cockerell and G. P. Parker. 2,277,955; Mar. 31.
Radio tubes, metal envelope. J. F. Miller. 2,278,278; Mar. 31.
Rail and tie assembly and method of making. B. R. Wood. 2,277,808; Mar. 31.
Rayon manufacture. W. H. Furness. 2,277,753; Mar. 31.
Reamer, Floating. H. Berg. 2,278,054; Mar. 31.
Receivers during operation of transmitters, Silencing. E. Toth. 2,277,731; Mar. 31.
Receptacle and clamp, Combined. V. Micarl. 2,278,401; Mar. 31.
Recirculating control valve. P. H. Thompson. 2,277,999; Mar. 31.
Reclamation of the fine dust from blast furnaces using manganese ores. C. B. Francis and L. E. Riddle. 2,277,663; Mar. 31.
Record rack. H. B. Pearson. 2,278,214; Mar. 31.
Recorder for angle measurement, Intermittent. A. Lepetit. 2,278,203; Mar. 31.
Reel. T. Malkomes and A. Luchtenberg. 2,278,380; Mar. 31.
Reel can, Film. W. Wilson. 2,278,295; Mar. 31.
Refractory. C. J. Kinzie and E. Wainer. 2,277,704; Mar. 31.
Refractory composition. E. Wainer and H. D. Prior. 2,277,735; Mar. 31.
Refractory composition and making the same. C. J. Kinzie and E. Wainer. 2,277,705; Mar. 31.
Refrigerating system. K. V. Nesselmann. 2,278,133; Mar 31.
Refrigeration. C. C. Coons and R. S. Nelson. 2,278,378; Mar. 31.
Refrigeration. A. D. Siedle. 2,278,221; Mar. 31.
Refrigeration. U. A. Whitaker. 2,278,229; Mar. 31.
Refrigerator. C. E. Baker. 2,277,838; Mar. 31.
Regulating apparatus. C. A. Otto. 2,278,016; Mar. 31.
Regulating apparatus. L. R. Runaldue. 2,278,151; Mar. 31.
Regulator: *See*—
Fluid regulator. Voltage regulator.
Relay, Electromagnetic. F. E. Wood. 2,278,230; Mar. 31.
Repair lock. L. B. Scott. 2,278,334; Mar. 31.
Rim. E. R. Jacobi. 2,278,200; Mar. 31.
Resistance device. A. H. Schafer. 2,278,045; Mar. 31.
Resistor. V. Johnson, F. H. Farmer, R. A. Simpson, and P. V. Stewart. 2,277,912; Mar. 31.
Rheostat. F. E. Rich. 2,277,883; Mar. 31.
Rod straightener. C. A. Johnson. 2,278,353; Mar. 31.
Roof vent. L. H. Hosbein. 2,277,982; Mar. 31.
Rotator attachment for pumping jacks. J. O. Wilson. 2,278,296; Mar. 31.
Rubber composition and preserving rubber. R. L. Sibley. 2,278,046; Mar. 31.
Running board for railway cars. R. W. Burnett. 2,278,191; Mar. 31.
Runway for bowling balls, Return. E. W. Discher. 2,278,193; Mar. 31.
Safety device, Cathead. S. D. Rowe. 2,278,286; Mar. 31.
Salts of petroleum sulphonic acids, Aldimine. M. De Groote. 2,278,163; Mar. 31.
Salts, Producing. M. Randall. 2,277,778; Mar. 31.
Sampler. J. R. Polston and J. J. Boyd. 2,277,714; Mar. 31.
Sand moisture tester, Foundry. A. C. Christensen. 2,277,953; Mar. 31.
Sandwich cutter guide. I. Segal. 2,277,888; Mar. 31.
Scale, Weighing. C. L. Conners. 2,277,957; Mar. 31.
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Scraper. A. D. McCollum. 2,278,329; Mar. 31.
Scraper, Hauling. L. O. Bird. 2,278,036; Mar. 31.
Screen: *See*—
Projection screen.
Screw and lock washer assembly. R. F. Golden. 2,277,852; Mar. 31.
Screw press. A. Clements. 2,278,243; Mar. 31.
Seal, Bearing. R. E. Horger. 2,277,979; Mar. 31.
Seal, Bearing. J. F. Zotter. 2,277,810; Mar. 31.
Seal for furnace openings. V. E. MacDonell. 2,278,275; Mar. 31.
Seal, for metal faced panels, Edge. G. R. Meyercord. 2,278,331; Mar. 31.

Seal, Hermetic. L. E. Mitchell and A. J. Vaselli. 2,277,871; Mar. 31.
Seal ring for propeller shaft lubrication, Oil. A. McNab. 2,277,771; Mar. 31.
Seal and making the same, Cushioned. J. E. Bloomberg. 2,277,951; Mar. 31.
Seat: *See*—
Car seat.
Seat mounting for vehicles, Sliding. M. P. Browne. 2,278,101; Mar. 31.
Seat supporting means, Adjustable. T. A. McGregor. 2,277,927; Mar. 31.
Securing device. C. H. H. Rodanet. 2,277,885; Mar. 31.
Securing device utilizing the resilient distortion and incompressibility of rubber. C. H. H. Rodanet. 2,278,217; Mar. 31.
Selector mechanism for automatic phonographs. F. H. Osborne and C. J. Hull. 2,277,934; Mar. 31.
Separator: *See*—
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Liquid pump and gas separator.
Servomotor control. K. Saur. 2,278,396; Mar. 31.
Sewer and pipe cleaner. H. M. Smith. 2,278,026; Mar. 31.
Sewer cleaner. W. M. Emery. 2,278,067; Mar. 31.
Sewing machine. G. Sauer. 2,277,886; Mar. 31.
Sewing machine. H. Hacklander. 2,277,970; Mar. 31.
Sewing machine for making plaited or shirred trimming. C. Seaman. 2,277,721; Mar. 31.
Shaver, Illuminating dry. G. Dalkowitz. 2,278,061; Mar. 31.
Sheet assembly apparatus. R. F. Morrison. 2,277,924; Mar. 31.
Sheet material, Decorating. R. Boice. 2,278,056; Mar. 31.
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Sheets, method of and apparatus for delivering. A. P. Bamford and J. T. Ritzau. 2,278,188; Mar. 31.
Sheet metal nibbling tool. C. B. Gray. 2,278,311; Mar. 31.
Shelf and flower pot support, Combination window. J. C. Hunter. 2,278,391; Mar. 31.
Shield. F. J. Hawkins. 2,277,758; Mar. 31.
Shifting device. J. Blackburn. 2,277,675; Mar. 31.
Shipping container. J. R. Belsinger. 2,277,674; Mar. 31.
Shock absorbing mechanism. R. J. Olander. 2,277,881; Mar. 31.
Shoe support. L. G. Miller. 2,277,774; Mar. 31.
Shoes and analogous articles, System of producing. C. E. Mertzanoff and M. W. Potts. 2,277,710; Mar. 31.
Shoes, Manufacture of. R. Almy. 2,277,941; Mar. 31.
Shoes, smoothing the linings of. J. Hoza. 2,278,199; Mar. 31.
Shooter, Marble. R. Eckenboy. 2,277,964; Mar. 31.
Short wave arrangement. W. Buschbeck. 2,278,238; Mar. 31.
Signal: *See*—
Directional signal.
Signal. E. S. Ryan. 2,278,287; Mar. 31.
Signal. H. Quenon. 2,278,213; Mar. 31.
Signal for cooling systems of automobiles, Warning. D. R. Morris. 2,278,279; Mar. 31.
Signaling wave generator. L. R. Wrathall. 2,277,809; Mar. 31.
Sinew puller. M. Courlang. 2,278,162; Mar. 31.
Slide fastener. E. E. Rogenberger. 2,278,388; Mar. 31.
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Slide suspension. H. L. Kennedy. 2,277,702; Mar. 31.
Slider for slide fasteners. A. E. Carlile. 2,277,818; Mar. 31.
Sliding lift door. F. Ditchfield. 2,278,065; Mar. 31.
Sludge collecting means for filters. N. G. Monsarrat and N. S. Humes. 2,278,148; Mar. 31.
Sludge treatment. M. D. Sanders. 2,277,718; Mar. 31.
Snap hook for tape selvage harnesses. F. W. Hollingsworth, Jr. 2,278,266; Mar. 31.
Snow removing apparatus. I. Sicard. 2,278,220; Mar. 31.
Soap. R. Thomas and H. B. Oakley. 2,277,728–30; Mar. 31.
Socket, Electric lamp. F. J. Watts. 2,278,385; Mar. 31.
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Spark plug cleaner. J. H. Johnson. 2,277,911; Mar. 31.
Speed control, Centrifugal. P. H. Kolb. 2,278,323; Mar. 31.
Speed governing system. D. S. Bennetch. 2,278,099–100; Mar. 31.
Speed indicator means. W. G. Hoelscher. 2,278,263; Mar. 31.
Spray gun. W. F. McKee. 2,277,928; Mar. 31.
Spindle bearing. M. A. Hollengreen and C. R. Mentzer. 2,278,264; Mar. 31.
Sprinkler system, Pressure tank. H. N. Rider. 2,277,873; Mar. 31.
Spreader and dispenser of bobby pins. R. P. Sharp. 2,277,996; Mar. 31.
Squeegee. G. F. Minnis. 2,278,208; Mar. 31.
Stacking machine. F. J. Couch. 2,277,846; Mar 31.
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Staple. H. A. Moe. 2,277,931; Mar. 31.
Steels. Manufacture of high speed. E. Houdremont and H. Schrader. 2,278,315; Mar. 31.
Steam pressing iron. L. Hoffman. 2,278,370; Mar. 31.
Stoker. A. H. Haberstump. 2,278,175; Mar. 31.
Stoker. F. W. Vodoz. 2,278,157; Mar. 31.
Strainer. W. H. Lannert. 2,278,178; Mar. 31
Striker-actuating mechanism for audible-signals. I. B. Serge. 2,278,406; Mar. 31.
Strip-annealing furnace, Continuous. A. N. Otis and F. Mohler. 2,278,136; Mar. 31.
Stripping device, Mechanical. P. D. Nielsen. 2,278,116; Mar. 31.
Structure for use in trimming cattle hoofs. M. Young. 2,278,298; Mar. 31.
Sulphonates. M. de Simó and J. J. O'Connor. 2,278,064; Mar. 31.
Sulphur, Condensation products containing. W. Frost. 2,278,368; Mar. 31.
Superregenerative magnetron receiver. R. A. Braden. 2,277,841; Mar. 31.
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Shelf and flower pot support. Telescope support.
Support and locking mechanism, Adjustable. W. M. Bailey. 2,277,947; Mar. 31.
Support for tone tube. C. L. McMullen. 2,278,126; Mar. 31.
Support for Venetian blind tilt rails, Center. W. Whaley. 2,278,341; Mar. 31.
Switch: *See*—
Electrical switch. High frequency switch.
Switch. J. H. Knutz and R. H. MacKinnon. 2,278,322; Mar. 31.
Switch, connector, and the like, Electric. R. Borza. 2,278,057; Mar. 31.
Switching device, Electrical. J. G. Pfeiffer and W. Weston. 2,278,280; Mar. 31.
Table for the back of chairs and the like, Detachable. C. M. Olivant. 2,278,014; Mar. 31.
Tap stud or the like. J. L. Cook. 2,278,377; Mar. 31.
Tape feeding apparatus. W. G. Fluharty. 2,278,196; Mar. 31.
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Telephone set. W. D. Goodale, Jr., A. Herchmans, and R. J. Tillman. 2,277,907; Mar. 31.
Telephone system. A. Brandstetter. 2,277,901; Mar. 31.
Telephone system. T. L. Dimond. 2,278,172; Mar. 31.
Telephone system. W. Thies, F. Wolf, and H. Töpfer. 2,277,802; Mar. 31.
Telescope support. F. B. Diesbach. 2,278,250; Mar. 31.
Temperature control device. A. F. Willat. 2,277,895; Mar. 31.
Temperature control, Radiator. A. E. Armstrong. 2,277,944; Mar. 31.
Tent canvas protector. W. F. Crawford. 2,277,742; Mar. 31.
Test strip. H. Vollmer. 2,278,339; Mar. 31.
Tetraalkyl lead, Making and recovering. G. F. Ruddies. 2,277,781; Mar. 31.
Textiles and composition useful therefor, Treatment of. J. H. Shipp and J. E. Smith. 2,277,788; Mar. 31.
Theramic process. G. S. Cantacuzène. 2,278,192; Mar. 31.
Thermophore mixtures, Handling. H. Wood. 2,278,297; Mar. 31.
Thermostat control, Flexible. E. K. Clark. 2,277,845; Mar. 31.
Thermostatic discharge tube. H. J. McCarthy. 2,277,708; Mar. 31.
Thiodiglycol production. D. F. Othmer and D. Q. Kern. 2,278,090; Mar. 31.
Thread protector. A. L. Parker. 2,277,713; Mar. 31.
3-aryl-aminotetrahydrofuranes, Manufacture of. H. Lange. 2,278,202; Mar. 31.
Tilting structure for chairs and the like. F. and F. Koenigkramer. 2,278,080; Mar. 31.
Tongs mechanism for glassware, Plural. D. K. Morgan. 2,277,828; Mar. 31.
Tool: *See*—
Abrading tool. Machine tool.
Cable drilling tool. Sheet metal nibbling tool.
Tool for air pressure release bars of elevator doors. G. A. Kleinpell. 2,278,111; Mar. 31.
Tool for chamfering and burring. H. L. Barter and J. M. Christman. 2,278,300; Mar. 31.
Tool for handling rails and the like. F. E. Davis. 2,278,102; Mar. 31.
Tools and the like, Offsetting arrangement for boring. H. L. Blood and C. L. Anderson. 2,277,950; Mar. 31.
Toothbrush, Electrical. L. H. Rogers. 2,278,095; Mar. 31.
Towing attachment for concrete mixers. C. F. Ball. 2,277,900; Mar. 31.
Toy. A. T. Quady. 2,277,882; Mar. 31.
Toy. R. A. Stone. 2,277,672; Mar. 31.
Toy block. L. Magnus and B. Meyerhof. 2,278,327; Mar. 31.
Toy, Swinging target. A. Dritz. 2,277,904; Mar. 31.
Toy vehicle. J. Smithwick. 2,278,244; Mar. 31.
Toys, Remote control system for. E. E. McKeige and N. L. Case. 2,278,358; Mar. 31.

Track pilot for road and rail cars. G. T. Ronk. 2,277,780; Mar. 31.
Tractor, Caterpillar. A. Mercier. 2,277,855; Mar. 31.
Transfer mechanism for multiple station headers. J. H. Friedman. 2,278,103; Mar. 31.
Transmission and control therefor, Change speed. H. F. Havens and J. Wiederhold. 2,278,351; Mar. 31.
Transmission shifting mechanism. J. X. Phillips. 2,277,830; Mar. 31.
Transmission system. R. B. Dome. 2,278,251; Mar. 31.
Trap: *See*—
Mole trap.
Trap for sinks, lavatories, etc., Nonclogging, self-cleaning. F. W. Arnold and L. J. Richards. 2,278,034; Mar. 31.
Trimmer, Green corn. R. L. Joyce. 2,278,108; Mar. 31.
Tripping mechanism, Hydraulic. M. Gottlieb. 2,278,310; Mar. 31.
Trouser fly construction, Slide fastened. A. B. Rhoads and W. D. Craig. 2,277,832; Mar. 31.
Truck, Car. E. J. Maatman. 2,278,012; Mar. 31.
Tube: *See*—
Thermostatic discharge tube.
Tumbler rack. A. J. Halvis. 2,278,390; Mar. 31.
Turbine blade shroud. R. C. Allen. 2,278,041; Mar. 31.
Turbine blading. R. C. Allen. 2,278,040; Mar. 31.
Turnbuckle, Locking. H. K. Kath. 2,278,320; Mar. 31.
Twist chain. H. Klaucke. 2,277,915; Mar. 31.
Two-cycle engine. C. A. and V. J. Toce. 2,278,038; Mar. 31.
Typewriting machine. G. F. Handley. 2,278,009; Mar. 31.
Typewriting machine. W. F. Helmond. 2,278,010; Mar. 31.
Typographical composing machine. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,278,098; Mar. 31.
Typographical matrix. H. R. Freund. 2,277,825; Mar. 31.
Typographical slug casting machine. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,278,097; Mar. 31.
Unit heater. F. M. Young. 2,278,376; Mar. 31.
Vacuum cleaner. A. Muller. 2,277,933; Mar. 31.
Vacuum control for power sweeper brooms. T. K. Cushman and C. A. Pullen. 2,278,306; Mar. 31.
Vacuum gauge. E. W. Flosdorf and J. C. Coleman. 2,278,195; Mar. 31.
Valve: *See*—
Automatic switching valve.
Coordinated control valve.
Flow-control valve.
Liquid level and control valve.
Liquid level responsive valve.
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Pressure regulating valve.
Recirculating control valve.
Valve. J. J. Cordova. 2,278,246; Mar. 31.
Valve. M. A. Enquist. 2,277,750; Mar. 31.
Valve. A. G. Heggem. 2,277,975; Mar. 31.
Valve. L. Hornbostel. 2,278,313; Mar. 31.
Valve mechanism. M. Essl. 2,277,822; Mar. 31.
Vehicle: *See*—
Combined land and marine vehicle.
Toy vehicle.
Vehicle drive. F. L. Alben. 2,277,835; Mar. 31.
Vehicular traffic, Controlling. L. L. Bosch. 2,277,952; Mar. 31.
Voltage controller and discharge lamp circuit, Lag. J. J. Knouse and R. S. Stone. 2,278,079; Mar. 31.
Voltage regulator. L. H. Hill. 2,278,261; Mar. 31.
Voting machine. R. F. Shoup. 2,277,857; Mar. 31.
Wall construction. F. M. Small. 2,277,793–4; Mar. 31.
Wall panel. F. M. Small. 2,277,791; Mar. 31.
Washing apparatus. L. A. Kempton. 2,278,268; Mar. 31.
Washing machine and drier, Combined. C. E. Morgenstern. 2,277,923; Mar. 31.
Watch cleaning machine. S. J. Liptak. 2,277,919; Mar. 31.
Water control, Feed. S. S. Van Scoy. 2,278,048; Mar. 31.
Web supply mechanism. A. Lundquist, R. A. Freeman, and W. C. Wieking. 2,278,182; Mar. 31.
Weight indicator. J. W. MacClatchie and J. L. Chrisman. 2,277,925; Mar. 31.
Welding apparatus. P. Anderson. 2,277,942; Mar. 31.
Welding, Method of and apparatus for. H. A. Delano. 2,277,848; Mar. 31.
Well head closure. H. Allen and E. L. Lorehn. 2,278,050; Mar. 31.
Wells, Measuring flow in. T. A. Andrew. 2,277,898; Mar. 31.
Wells, Method and apparatus for drilling. L. P. Kinnear. 2,277,989; Mar. 31.
Wetting and detergent agent. M. Weisberg, L. Corman, and P. G. Slachman. 2,277,805; Mar. 31.
Wheel: *See*—
Grinding wheel.
Wheel mounting. H. O. Cambridge. 2,277,843; Mar. 31.
Wheel suspension for motor vehicles. P. Blaser. 2,278,303; Mar. 31.
Whip. E. J. Karp. 2,277,986; Mar. 31.
Windows and like panels, Mounting of. A. E. Dutfield and E. J. Rawlings. 2,278,348; Mar. 31.
Window, Ventilating. J. H. Roethel. 2,277,779; Mar. 31.
Wire fabric device. N. S. Harter. 2,278,104; Mar. 31.
Wire for stop motions, Faller. O. W. Schaum. 2,278,333; Mar. 31.
Wood, Process for preserving. E. R. Boller. 2,277,660; Mar. 31.
Wrapping machine. C. J. Malhiot. 2,277,877; Mar. 31.
Wrench. A. E. Ashleman. 2,277,945; Mar. 31.
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Yarn packages, Sorting of. A. F. Guyler. 2,277,754; Mar. 31.
Yarns, Stabilized cellulose and preparing same. J. S. Reese, IV. 2,278,285; Mar. 31.
Yarns, Stabilizing cellulose. J. S. Reese, IV. 2,278,284; Mar. 31.
Zein solution, Stable. O. C. H. Sturken. 2,277,891; Mar. 31.
Zinc plating. C. F. Ruebensaal. 2,277,668; Mar. 31.

CLASSIFICATION OF PATENTS

ISSUED MARCH 31, 1942

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Adjudicated Patents

(D. C. Ohio.) Johnston patent, No. 1,979,470, for method of joining bell and spigot pipe sections, *Held* valid and infringed. *Universal Sewer Pipe Corporation* v. *General Const. Co.*, 42 F. Supp. 132.

(C. C. A. Mich.) Nordmark patent, No. 2,046,649, for chair, claims 1 to 4 *Held* not infringed. *American Seating Co.* v. *Ideal Seating Co.*, 124 F.(2d) 70.

(C. C. A. N. Y.) Friedman design patent, No. 125,540, for design for a handbag, *Held* invalid. *Gold Seal Importers* v. *Morris White Fashions*, 124 F.(2d) 141.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)
Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)
File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
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Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

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Suggestion for the Use of Coupons

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Condition of Applications Under Examination at Close of Business February 14, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,147; Trade-Mark Division, 1,170. Oldest new case, June 9, 1941; oldest amended, June 18, 1941.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 16	June 20	785
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 11	Sept. 10	677
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 24	Nov. 3	600
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 10	Oct. 18	540
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 11	496
4596 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 16	July 23	999
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	Aug. 4	1,071
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	Aug. 4	919
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 11	591
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	June 18	June 18	872
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 2	Oct. 9	412
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 8	Aug. 15	603
5006	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	June 11	648
6007	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 8	Oct. 6	582
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 25	July 7	1,180
5715	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 29	Sept. 29	485
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	June 27	919
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Aug. 18	559
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 12	July 22	707
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 24	July 28	438
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 1	Sept. 5	396
5900	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 28	Apr. 30	1,534
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	252
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 30	Aug. 23	865
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 8	Sept. 2	625
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 12	Sept. 5	435
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	July 28	558
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Aug. 25	July 31	419
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 19	July 18	719
4063	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 5	Oct. 24	410
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 16	Aug. 16	1,505
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 16	June 25	956
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	July 2	June 26	918
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 23	July 26	409
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 3	June 27	974
7902	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 11	Aug. 12	658
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Sept. 10	641
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 27	June 27	678
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Oct. 10	464
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 9	July 9	1,636
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 18	Aug. 18	567
5882	42. CUTTING, H. O., Electric Signaling	Sept. 6	Sept. 12	415
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 21	Aug. 12	704
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 9	Aug. 25	384
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 23	Nov. 29	342
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 2	Aug. 2	809
6082	47. KANOF, W. J., Clutches; Brakes	Aug. 16	Aug. 16	432
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 31	July 29	750
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 31	July 14	696
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 25	July 29	1,399
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 10	Nov. 12	327
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 15	Sept. 11	474
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 21	Apr. 28	623
5883	54. STEACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 16	Oct. 4	347
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 20	Sept. 17	323
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 26	June 26	1,391
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 21	Nov. 5	336
5606	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 11	Oct. 30	431
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 16	June 20	1,150
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 13	Aug. 30	354
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 14	July 24	705
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 21	Aug. 9	722
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 3	July 3	1,377
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 11	Aug. 11	1,565
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 3	Sept. 19	395
2099 B	Trade-Marks: F. A. RICHMOND	Jan. 7	Jan. 20	1,170
2605	Designs: H. H. KALUPY	Nov. 29	Dec. 12	1,012

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

MORTON SALT COMPANY
v.
THE G. S. SUPPIGER COMPANY

No. 49. Decided January 5, 1942

[— F.(2d) —]

1. INFRINGEMENT—DEFENSES.

Where the owner of a patent on a machine for depositing salt tablets used the patent to restrain the sale of salt tablets in competition with its own sale of unpatented tablets, by requiring licensees to use with the patented machines only tablets sold by it, the question for decision in a suit for infringement is not necessarily whether the patent owner has violated the Clayton Act, which imposes criminal penalties for engaging in specified unlawful trade practices tending to monopoly and restraint of trade, but whether a court of equity will lend its aid to protect the patent monopoly when the patent owner is using that monopoly as the effective means of restraining competition with its sale of an unpatented article.

2. SAME—SAME.

"A patent operates to create and grant to the patentee an exclusive right to make, use and vend the particular device described and claimed in the patent. But a patent affords no immunity for a monopoly not within the grant, * * * and the use of it to suppress competition in the sale of an unpatented article may deprive the patentee of the aid of a court of equity to restrain an alleged infringement by one who is a competitor."

3. PATENT—NATURE AND SCOPE OF GRANT—PUBLIC POLICY.

"The grant to the inventor of the special privilege of a patent monopoly carries out a public policy adopted by the Constitution and laws of the United States, * * *. But the public policy which includes inventions within the granted monopoly excludes from it all that is not embraced in the invention. It equally forbids the use of the patent to secure an exclusive right or limited monopoly not granted by the Patent Office and which it is contrary to public policy to grant."

4. INFRINGEMENT—DEFENSES—PUBLIC POLICY.

Where a patent is used as a means of restraining competition with the patentee's sale of an unpatented product, the successful prosecution of an infringement suit even against one who is not a competitor in such sale is a powerful aid to the maintenance of the attempted monopoly of the unpatented article, and is a contributing factor in thwarting the public policy underlying the grant of a patent, and equity may rightly withhold its assistance from such a use of the patent by declining to entertain a suit for infringement, and should do so at least until it is made to appear that the improper practice has been abandoned and that the consequences of the misuse of the patent have been dissipated; it is the adverse effect upon the public interest of a successful infringement suit in conjunction with the patentee's course of conduct which disqualifies him to maintain the suit, regardless of whether the particular defendant has suffered from the misuse of the patent.

5. SAME—SAME—SAME—PATENT NO. 2,060,645.

Where the S Co. as the owner of Patent No. 2,060,645 on a machine for depositing salt tablets brought a suit for infringement against the M Co., and where the S Co. had used that patent to restrain competition in the sale of unpatented salt tablets *Held* that the maintenance of the suit to restrain manufacture or sale of the alleged infringing machines by the M Co. is contrary to public policy and that the suit rightly was dismissed by the district court

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit. Reversed.

Mr. Clarence E. Mehlhope for Morton Salt Company.

Mr. Estill E. Ezell and *Mr. Lawrence C. Kingsland* (*Mr. Edmund C. Rogers*, *Mr. Robert H. Wendt*, and *Messrs. Kingsland, Rogers* and *Ezell* with them on the brief) for The G. S. Suppiger Company.

Mr. Chief Justice STONE delivered the opinion of the Court.

Respondent brought this suit in the district court for an injunction and an accounting for infringement of its Patent No. 2,060,645, of November 10, 1936, on a machine for depositing salt tablets, a device said to be useful in the canning industry for adding predetermined amounts of salt in tablet form to the contents of the cans.

Upon petitioner's motion, pursuant to rule 56 of the Rules of Civil Procedure, the trial court, without passing on the issues of validity and infringement, granted summary judgment dismissing the complaint. It took the ground that respondent was making use of the patent to restrain the sale of salt tablets in competition with its own sale of unpatented tablets, by requiring licensees to use with the patented machines only tablets sold by respondent. The Court of Appeals for the Seventh Circuit reversed, 117 F. 2d 968, because it thought that respondent's use of the patent was not shown to violate § 3 of the Clayton Act, 15 U. S. C. § 14, as it did not appear that the use of its patent substantially lessened competition or tended to create a monopoly in salt tablets. We granted certiorari, 313 U. S. 555, because of the public importance of the question presented and of an alleged conflict of the decision below with *B. B. Chemical Co.* v. *Ellis*, 117 F. 2d 829, and with the principles underlying the decisions in *Carbice Corp.* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3, and *Leitch Mfg. Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657.

[1] The Clayton Act imposes criminal penalties for engaging in specified unlawful trade practices tending to monopoly and restraint of trade, and authorizes those injured by violations to maintain suit for treble damages and for an injunction in appropriate cases. 15 U. S. C. §§ 1, 2, 14, 15, 26. But the present suit is for infringement of a patent. The question we must decide is not necessarily whether respondent has violated the Clayton Act, but whether a court of equity will lend its aid to protect the patent monopoly when respondent is using it as the effective means of restraining competition with its sale of an unpatented article.

Both respondent's wholly owned subsidiary and the petitioner manufacture and sell salt tablets used and useful in the canning trade. The tablets have a particular configuration rendering them capable of convenient use in respondent's patented machines.

Petitioner makes and leases to canners unpatented salt depositing machines, charged to infringe respondent's patent. For reasons we indicate later, nothing turns on the fact that petitioner also competes with respondent in the sale of the tablets, and we may assume for purposes of this case that petitioner is doing no more than making and leasing the alleged infringing machines. The principal business of respondent's subsidiary, from which its profits are derived, is the sale of salt tablets. In connection with this business, and as an adjunct to it, respondent leases its patented machines to commercial canners, some two hundred in all, under licenses to use the machines upon condition and with the agreement of the licensees that only the subsidiary's salt tablets be used with the leased machines.

[2] It thus appears that respondent is making use of its patent monopoly to restrain competition in the marketing of unpatented articles, salt tablets, for use with the patented machines, and is aiding in the creation of a limited monopoly in the tablets not within that granted by the patent. A patent operates to create and grant to the patentee an exclusive right to make, use and vend the particular device described and claimed in the patent. But a patent affords no immunity for a monopoly not within the grant, *Interstate Circuit* v. *United States*, 306 U. S. 208, 228, 230; *Ethyl Gasoline Corp.* v. *United States*, 309 U. S. 436, 456, 515 O. G. 827, and the use of it to suppress competition in the sale of an unpatented article may deprive the patentee of the aid of a court of equity to restrain an alleged infringement by one who is a competitor. It is the established rule that a patentee who has granted a license on condition that the patented invention be used by the licensee only with unpatented materials furnished by the licensor, may not restrain as a contributory infringer one who sells to the licensee like materials for like use. *Motion Picture Patents Co.* v. *Universal Film Mfg. Co.*, 243 U. S. 502, 510, 238 O. G. 311; *Carbice Corp.* v. *American Patents Corp.*, supra; *Leitch Mfg. Co.* v. *Barber Co.*, supra; cf. *United Shoe Machinery Co.* v. *United States*, 258 U. S. 451, 462; *International Business Machines Corp.* v. *United States*, 298 U. S. 131, 140.

[3] The grant to the inventor of the special privilege of a patent monopoly carries out a public policy adopted by the Constitution and laws of the United States, "to promote the Progress of Science and useful Arts, by securing for limited Times to . . . Inventors the exclusive Right . . ." to their "new and useful" inventions. United States Constitution, Art. I, § 8, cl. 8; 35 U. S. C. § 31. But the public policy which includes inventions within the granted monopoly excludes from it all that is not embraced in the invention. It equally forbids the use of the patent to secure an exclusive right or limited monopoly not granted by the Patent Office and which it is contrary to public policy to grant.

It is a principle of general application that courts, and especially courts of equity, may appropriately withhold their aid where the plaintiff is using the right asserted contrary to the public interest. *Virginia Ry.* v. *Federation*, 300 U. S. 515, 552; *Central Kentucky Co.* v. *Commission*, 290 U. S. 264, 270–73; *Harrisonville* v. *Dickey Clay Co.*, 289 U. S. 334, 337–38; *Beasley* v. *Texas & Pacific Railway Co.*, 191 U. S. 492, 497; *Securities Comm'n* v. *U. S. Realty Co.*, 310 U. S. 434, 455; *United States* v. *Morgan*, 307 U. S. 183, 194. Respondent argues that this doctrine is limited in its application to those cases where the patentee seeks to restrain contributory infringement by the sale to licensees of a competing unpatented article, while here respondent seeks to restrain petitioner from a direct infringement, the manufacture and sale of the salt tablet depositor. It is said that the equitable maxim that a party seeking the aid of a court of equity must come into court with clean hands applies only to the plaintiff's wrongful conduct in the particular act or transaction which raises the equity, enforcement of which is sought; that where, as here, the patentee seeks to restrain the manufacture or use of the patented device, his conduct in using the patent to restrict competition in the sale of salt tablets does not foreclose him from seeking relief limited to an injunction against the manufacture and sale of the infringing machine alone.

[4] Undoubtedly "equity does not demand that its suitors shall have led blameless lives", *Loughran* v. *Loughran*, 292 U. S. 216, 229; cf. *Keystone Co.* v. *Excavator Co.*, 290 U. S. 240, 241–45, 440 O. G. 3, but additional considerations must be taken into account where maintenance of the suit concerns the public interest as well as the private interests of suitors. Where the patent is used as a means of restraining competition with the patentee's sale of an unpatented product, the successful prosecution of an infringement suit even against one who is not a competitor in such sale is a powerful aid to the maintenance of the attempted monopoly of the unpatented article, and is thus a contributing factor in thwarting the public policy underlying the grant of the patent. Maintenance and enlargement of the attempted monopoly of the unpatented article are dependent to some extent upon persuading the public of the validity of the patent, which the infringement suit is intended to establish. Equity may rightly withhold its assistance from such a use of the patent by declining to entertain a suit for infringement, and should do so at least until it is made to appear that the improper practice has been abandoned and that the consequences of the misuse of the patent have been dissipated. Cf. *B. B. Chemical Co.* v. *Ellis*, decided this day.

The reasons for barring the prosecution of such a suit against one who is not a competitor with the patentee in the sale of the unpatented product are fundamentally the same as those which preclude an infringement suit against a licensee who has violated a condition of the license by using with the licensed machine a competing unpatented article, *Motion Picture Patents Co.* v. *Universal Film Mfg. Co.*, supra, or against a vendee of a patented or copyrighted article for violation of a condition for the maintenance of resale prices, *Adams* v. *Burke*, 17 Wall. 453, 33 O. G. 114; *Bobbs-Merrill Co.* v. *Straus*, 210 U. S. 339; *Bauer & Cie* v. *O'Donnell*, 229 U. S. 1, 229 O. G. 1; *Straus* v. *Victor Talking Machine Co.*, 243 U. S. 490, 238 O. G. 316; *Boston Store* v. *American Gramophone Co.*, 246 U. S. 8; cf. *United States* v. *Gen. Elec. Co.*, 272 U. S. 476, 485. It is the adverse effect upon the public interest of a successful infringement suit in conjunction with the patentee's course of conduct which disqualifies him to maintain the suit, regardless of whether the particular defendant has suffered from the misuse of the patent. Similarly equity will deny relief for infringement of a trade-mark where the plaintiff is misrepresenting to the public the nature of his product either by the trade-mark itself or by his label. *Manhattan Medicine Co.* v. *Wood*, 108 U. S. 218, 23 O. G. 1925; *Worden* v. *California Fig Syrup Co.*, 187 U. S. 516; *Leather Cloth Co.* v. *American Leather Cloth Co.*, 11 H. L. 522, 541–45; see also, for application of the like doctrine in the case of copyright, *Edward Thompson Co.* v. *American Law Book Co.*, 122 F. 922, 926; *Stone & M'Carrick* v. *Dugan Piano Co.*, 220 F. 837, 841–43. The patentee, like these other holders of an exclusive privilege granted in the furtherance of a public policy, may not claim protection of his grant by the courts where it is being used to subvert that policy.

[5] It is unnecessary to decide whether respondent has violated the Clayton Act, for we conclude that in any event the maintenance of the present suit to restrain petitioner's manufacture or sale of the alleged infringing machines is contrary to public policy and that the district court rightly dismissed the complaint for want of equity.

Reversed.

Mr. Justice ROBERTS took no part in the decision of this case.

U. S. Court of Customs and Patent Appeals

NORMA-HOFFMANN BEARINGS CORPORATION
v.
HUFNAGEL

No. 4,536. *Decided December 1, 1941*

[123 F.(2d) 648]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
   Boiler compounds, soot destroyers and rust solvents *Held* not to possess the same descriptive properties as ball bearings, roller bearings, and related machines and mechanical devices.
2. SAME—OPPOSITION—MATTER NOT PLEADED.
   Where opposer did not plead in its notice of opposition that it applied its trade-mark to a grease for bearings *Held* that such a use may not be considered in determining whether opposer's goods and those of the applicant possess the same descriptive properties.
3. APPEAL—MATTER PASSED UPON.
   "We must pass upon the facts set forth in the record and those of which we may take judicial notice."
4. EVIDENCE—JUDICIAL NOTICE.
   Held that judicial notice can not be taken that rust solvents are used for the prevention of rust.
5. TRADE-MARKS—LIKELIHOOD OF CONFUSION.
   Concurrent use of the mark "Norma" by applicant upon rust solvents and by opposer upon ball bearings and ball bearing devices *Held* not likely to cause confusion in the minds of purchasers as to the origin of the goods.
6. SAME—CORPORATE NAME.
   Held that use of the mark "Norma" by applicant upon rust solvents would not deceive or confuse the public to the injury of opposer, to whom the name "Norma-Hoffmann Bearings Corporation" belongs.

APPEAL from the Patent Office. Affirmed.

Mr. C. P. Goepel for Norma-Hoffmann Bearings Corporation.

Mr. Robert M. Zacharias (*Messrs. Church & Church* of counsel) for Hufnagel.

LENROOT, *J.*:

Appellant here brings before us for review a decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences dismissing appellant's notice of opposition and holding that appellee is entitled, under the Trade-Mark Act of February 20, 1905, to register his trade-mark "Norma" for use on "boiler compounds, soot destroyers and rust solvents."

Appellant's opposition is based upon its prior adoption, use and registration of the same mark for ball bearings, roller bearings, and related machines and mechanical devices.

Appellee's application was filed on November 22, 1938, and a substitute petition and statement filed by him on January 9, 1939, states that he does business under the name of "Norma Chemical Company" and that he has used the mark "Norma" applied to boiler compounds, soot destroyers and rust solvents since May 1938.

Appellee introduced no evidence.

The only evidence introduced by appellant is a stipulation of facts from which it appears that in 1911 "The Norma Company of America" was organized as a corporation of New York; that in 1924 the name of the corporation was changed to "Norma-Hoffmann Bearings Corporation"; that since 1911 appellant has made and sold ball bearings, each stamped with the name "Norma", and that long prior to the date of filing of its notice of opposition it had applied the trade-mark "Norma" to

"internal grinding spindles, balls and rollers of steel, gauges, instruments of precision, grinding, turning and polishing machines,"

and had sold the same so marked in interstate commerce; that for about ten years prior to 1939 it had expended in advertising the word "Norma" from $40,000 to $100,000 per year.

The stipulation also sets forth that since 1923 appellant has made a specialty of grease-packed bearings, and that as a result of research work begun about 1935 it has sold grease bearing the trade-mark "Norma." However, there is nothing in the stipulation respecting the time when such sale of grease began, and appellant's notice of opposition makes no reference to the sale of grease bearing the trade-mark "Norma."

There are but two issues raised by appellant's notice of opposition, viz., (1) whether ball bearings and bearing devices to which appellant applies its mark are of the same descriptive properties as boiler compounds, soot destroyers and rust solvents to which appellee applies his mark; and (2) whether, upon the facts of record, appellee's mark constitutes

an appropriation of appellant's corporate name, forbidden by section 5 of said Trade-Mark Act.

The Examiner of Interferences held that the goods to which the respective parties apply the mark "Norma" are not of the same descriptive properties within the meaning of that term as used in section 5 of said Trade-Mark Act, and that the use of the notation "Norma" by appellee did not constitute an appropriation of appellant's corporate name.

With respect to the stipulated fact that appellant has applied its mark to grease, the Examiner held that this was not pleaded in its notice of opposition, and furthermore that the stipulation does not show that appellant has sold such goods at as early a date as that to which appellee is entitled.

The Commissioner of Patents, in affirming the decision of the Examiner of Interferences, stated:

The opposition is predicated chiefly upon opposer's prior adoption, use, and registration of the same mark for ball bearings, roller bearings, and related machines and mechanical devices. The record discloses that opposer has also applied the mark to a grease for bearings; but, as pointed out by the Examiner, such use was not pleaded in the notice of opposition, nor does it appear to have antedated applicant's first use of the mark on the goods set forth in the application. For either of these reasons the Examiner was right in refusing to consider it as a basis for judgment.

It is opposer's contention that rust solvents may be used to prevent the formation of rust on ball or roller bearings. There is no evidence to support this contention, and I doubt that the asserted fact is one of which judicial notice may properly be taken. But even were it proved I should still be constrained to agree with the Examiner that neither rust solvents and bearings, nor any other of the goods to which the parties respectively apply the mark in question, possess the same descriptive properties within the meaning of the Trade-Mark Act.

Another ground of opposition pleaded in the notice is that applicant's mark constitutes an appropriation of opposer's corporate name. Obviously such appropriation is only partial; and there is nothing in the record to indicate that the word "Norma" alone would be likely to suggest "Norma-Hoffmann Bearings Corporation" to the mind of the public, except in connection with the particular class of merchandise in which opposer deals.

[1] [2] We are in accord with the holdings of the Patent Office tribunals that upon the record made the goods of the respective parties do not possess the same descriptive properties, and that in determining that question appellant's use of its trade-mark upon grease may not be considered.

[3] It may be unfortunate for appellant that a more complete factual record was not made, but we must pass upon the facts set forth in the record and those of which we may take judicial notice.

[4] There is no proof respecting the use of rust solvents, and we cannot, in our opinion, take judicial notice that they are used for the prevention of rust. The term "rust solvents" indicates materials for the removal of rust after it is formed and nothing more.

There is nothing in the record before us from which we can hold that ball bearings and ball bearing devices in use are normally subject to rust formation; so far as ball bearings are concerned the contrary is suggested by the stipulated fact that appellant since 1923 has made a specialty of grease-packed bearings.

Therefore we are of the opinion that the purchasers of a rust solvent bearing appellee's mark would not be likely to conclude that appellant had produced such goods. In the case of *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. (Patents) 1168, 83 F.(2d) 687, 471 O. G. 483, we said:

• • • The real question confronting us is whether the goods of the respective parties are so related, commercially or otherwise, that, when marketed under the involved trade-marks, the purchasing public might reasonably conclude that they originated with the same concern.

[5] In our opinion goods used for the removal of rust are not so related to goods which in use normally do not rust that the concurrent use of the same mark upon rust solvents and upon ball bearings and ball bearing devices would be likely to cause confusion in the minds of purchasers as to the origin of the goods to which the mark is applied.

We next come to the consideration of the use by appellee of a part of appellant's corporate name. The leading case upon this subject is that of *American Steel Foundries* v. *Robertson*, 342 O. G. 711, 269 U. S. 372, wherein it is stated, pp. 381, 382:

• • • Where the appropriation of the corporate name is complete, the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more. But where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs.

[6] Since, upon the question of whether the goods of the parties possess the same descriptive properties, we hold that confusion in origin of the goods is not likely from the concurrent use of the mark upon the goods of the respective parties, it follows that, in accordance with the rule stated in the case last cited, we must hold that the use of the mark "Norma" by appellee upon rust solvents would not deceive or confuse the public to the injury of appellant, to whom the name "Norma-Hoffmann Bearings Corporation" belongs.

In this opinion we have not discussed other goods, viz., boiler compounds and soot destroyers, to which appellee applies his mark, for the reason that it is obvious that such goods are not of the same descriptive properties as the goods to which appellant applies its mark, nor are they even remotely related thereto.

The decision appealed from is affirmed.

Affirmed.

TRADE-MARKS

[VOL. 536. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 444,140. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

CROW

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Jan. 8, 1936.

Ser. No. 444,141. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

KITE

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Jan. 8, 1936.

Ser. No. 444,142. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

SWAN

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Jan. 8, 1936.

Ser. No. 444,143. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

VOLE

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Jan. 8, 1936.

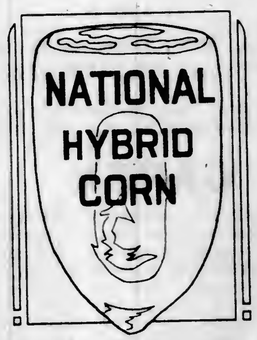
Ser. No. 444,144. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England. Filed June 3, 1941.

WHALE

FOR MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS.

Claims use since Jan. 8, 1936.

Ser. No. 449,327. REID NATIONAL CORN COMPANY, Anamosa, Iowa. Filed Dec. 9, 1941.



No claim is made to the words "Hybrid," "Corn" and the representation of the kernel, apart from the mark.

FOR HYBRID SEED CORN.

Claims use since June, 1937.

Ser. No. 449,534. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Dec. 17, 1941.

KAFY

FOR LEATHER.
Claims use since Oct. 1, 1941.

CLASS 2

RECEPTACLES

Ser. No. 448,953. PHOENIX CLOSET ACCESSORIES, INC., New York, N. Y. Filed Nov. 26, 1941.

Princess House
CLOSET ACCESSORIES

Applicant disclaims the words "Closet Accessories" apart from the mark.
FOR GARMENT BAGS, LAUNDRY BAGS, AND SHOE BAGS.
Claims use since Sept. 15, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 449,837. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 29, 1941.

MEKLEEN

FOR METAL POLISH IN PASTE FORM.
Claims use since Oct. 24, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 428,279. CONSTRUCTIONS ET APPLICATIONS RADIO-ELECTROLYTIQUES, Paris, France. Filed Feb. 6, 1940.

CAREX

FOR ANTISEPTIC SOLUTION CONTAINING HYPOCHLORITE OF SODIUM BEING A NON-COAGULATING, NON-NECROIS FORMING NON-CORROSIVE NEUTRAL ANTISEPTIC FOR MEDICINAL AND SURGICAL USE, NOTABLY FOR USE AS A SERUM AND AS AN ISOTONIC TO BLOOD SERUM FOR TREATMENT OF WOUNDS, TO TEARS FOR THE EYES, TO URINE FOR THE BLADDER, AND FOR TREATMENT OF INTERNAL AND EXTERNAL MUCOUS MEMBRANES, AND AS A SEDATIVE AND PAIN RELIEVER.
Claims use since Jan. 11, 1939.

Ser. No. 435,124. ELVA EVINGTON, doing business as A'Vell's Co., Chicago, Ill. Filed Aug. 19, 1940.

A'Vell's

FOR TOILET PREPARATIONS—NAMELY, HAIR CONDITIONER, SCALP CONDITIONER, LIQUID SHAMPOO, AND WAVE SET.
Claims use since Feb. 15, 1940.

Ser. No. 437,671. LAWRENCE LANIER ADAMS, doing business under the name LL's Antiseptic, Nashville, Tenn. Filed Nov. 8, 1940.

SPARKIE'S
L.L'S ANTISEPTIC

No claim is made to the word "Antiseptic" apart from the mark.
FOR MEDICINES FOR THE RELIEF OF ATHLETE'S FOOT, ECZEMA, TETTER, BURNS, SWEATY FEET, HEAT PIMPLES, RAZOR BUMPS, POISON IVY, AND ITCHING IRRITATIONS.
Claims use since Jan. 1, 1937.

Ser. No. 439,009. BERNARD ARROW, Brooklyn, N. Y. Filed Dec. 19, 1940.



The portrait is that of the applicant.
FOR DEODORANTS.
Claims use since Dec. 5, 1940.

Ser. No. 439,015. DE TOLEDO FRERES S. A. PHARMACIE PRINCIPALE, Geneva, Switzerland. Filed Dec. 19, 1940.



FOR ANALGETIC PHARMACEUTICAL PRODUCTS IN THE FORM OF POWDERS, SYRUPS, PILLS,

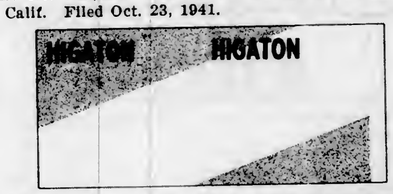
SEALED CHEMICALS, TABLETS, CAPSULES, AND SUPPOSITORIES; ANTI-NEURALGIC AND ANAESTHETIC CALMING MEDICINES; POWDERS, SEALED CHEMICALS, CAPSULES, TABLETS, PHIALS, AND SUPPOSITORIES, BEING ANTIPYRETIC AND ANTIFEBRILE CHEMICALS; ANTISEPTICS; AND DISINFECTANTS.
Claims use since January, 1912.

Ser. No. 445,737. KANT RUST PRODUCTS CORPORATION, Rahway, N. J., assignor to The A. S. Boyle Company, Jersey City, N. J., a corporation of Ohio. Filed July 29, 1941.



Applicant disclaims the words "The Oil Vitamin" and "Kant Rust" apart from the mark, and disclaims the representation of a label per se. The drawing is lined for red, and the part thereof shown in white represents the color bright yellow, and the black is as shown.
FOR CHEMICAL SOLVENT FOR INCREASING AND IMPROVING THE EFFICIENCY OF LUBRICATING OILS BY DISSOLVING GUM AND SLUDGE RESIDUES.
Claims use since June 10, 1941.

Ser. No. 448,054. THE KNOX COMPANY, Los Angeles, Calif. Filed Oct. 23, 1941.



FOR MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT AND THE MITIGATION OF THE SYMPTOMATIC MANIFESTATIONS OF FUNCTIONAL DISORDERS OF THE LIVER AND INTESTINES, SUCH AS BILIOUSNESS, COATED TONGUE, CONSTIPATION, INDIGESTION, GAS, BAD BREATH, HEADACHE, DIZZINESS, AND LACK OF APPETITE.
Claims use since July 16, 1941.

Ser. No. 448,080. HERMAN A. HEINEMEYER, Roselle Park, N. J. Filed Oct. 24, 1941.

VILACTO

FOR FOOD NUTRIENT HAVING THERAPEUTIC PROPERTIES.
Claims use since Sept. 3, 1941.

Ser. No. 448,763. MAISON JEURELLE—SEVENTEEN, INC., New York, N. Y. Filed Nov. 19, 1941.

TOREADOR

FOR PERFUMES, CREAM ROUGE, EYE SHADOW, ROUGE, CLEANSING CREAM, COLD CREAM, HAND LOTION, COMPLEXION CREME LOTION, ANTI-WRINKLE CREAM, FOUNDATION CREAM, TISSUE CREAM, LIP STICK, NAIL POLISH, CUTICLE OIL, CUTICLE REMOVER, SACHET, MASCARA, EYE BROW PENCIL, TALC POWDER, DUSTING POWDER, SKIN FRESHENER, ASTRINGENT, EAU DE COLOGNE, TOILET WATER, BRILLIANTINE, AND FACE POWDER.
Claims use since Oct. 29, 1941.

Ser. No. 448,867. WM. B. LINGO, doing business as Medical Supply Company, St. Petersburg, Fla. Filed Nov. 24, 1941.

L. ON-ANTS.

The word "Ants" is disclaimed apart from the mark.
FOR INSECTICIDES.
Claims use since June 3, 1941.

Ser. No. 449,055. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Salut
de Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of corporate applicant.
FOR PERFUMES, TOILET WATERS, AND FACE AND TALCUM POWDERS.
Claims use since Sept. 10, 1937.

Ser. No. 449,056. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Schiap

FOR PERFUMES, TOILET WATERS, AND FACE AND TALCUM POWDERS.
Claims use since Aug. 27, 1937.

Ser. No. 449,057. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Soucis de
Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of corporate applicant.
FOR PERFUMES, TOILET WATERS, AND FACE AND TALCUM POWDERS.
Claims use since Sept. 10, 1937.

Ser. No. 449,060. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of corporate applicant.

FOR PERFUMES, LIPSTICKS, ROUGES, FACE CREAMS, TOILET WATERS, AND FACE AND TALCUM POWDERS.

Claims use since July 10, 1937.

Ser. No. 449,063. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.

Shocking

FOR PERFUMES, LIPSTICKS, ROUGES, FACE CREAMS, TOILET WATERS, AND FACE AND TALCUM POWDERS.

Claims use since July 10, 1937.

Ser. No. 449,064. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Nov. 29, 1941.



FOR PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAMS, AND FACE AND TALCUM POWDERS.

Claims use since July 10, 1937.

Ser. No. 449,148. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Dec. 3, 1941.

Nopco 800

The notation "800" is disclaimed apart from the mark.

FOR FISH OIL OR FISH LIVER OIL, OR A BLEND OF TWO OR MORE OF THE FOLLOWING: VITAMIN D CONCENTRATE, SYNTHETIC VITAMIN D, FISH LIVER OIL, FISH OIL, MARINE ANIMAL OIL, OR EDIBLE VEGETABLE OIL, AS A FOOD SUPPLEMENT FOR USE IN LIVESTOCK AND POULTRY FEEDS CONTAINING VITAMIN PREPARATIONS.

Claims use since September, 1941.

Ser. No. 449,363. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Dec. 10, 1941.

VANZAK

FOR EXTENDER FOR LATEX AND DISPERSED RUBBER.

Claims use since Dec. 2, 1941.

Ser. No. 449,386. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Dec. 11, 1941.

Shocking de Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of corporate applicant.

FOR PERFUMES, LIPSTICKS, ROUGES, FACE CREAMS, TOILET WATERS, AND FACE AND TALCUM POWDERS.

Claims use since July 10, 1937.

Ser. No. 449,387. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Dec. 11, 1941.

Sleeping

de Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of applicant corporation.

FOR PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAMS, AND FACE AND TALCUM POWDERS.

Claims use since Mar. 1, 1940.

Ser. No. 449,528. MONEAU CORP. OF NEW YORK, New York, N. Y. Filed Dec. 16, 1941.

Discovery



FOR PERFUMES, TOILET WATERS, AND FACE LOTIONS.

Claims use since Dec. 6, 1941.

Ser. No. 449,596. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Dec. 19, 1941.

BLACKOUT

FOR PERFUMES, TOILET WATER, NAIL POLISH, AND ROUGES.

Claims use since Dec. 11, 1941.

Ser. No. 449,735. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Dec. 24, 1941.

GLIDDOL

FOR PHOSPHATIDES.

Claims use since August, 1940.

Ser. No. 449,774. LANTEEN MEDICAL LABORATORIES, INC., Chicago, Ill. Filed Dec. 26, 1941.

Viteen

FOR PREPARATION OR PRODUCT IN TABLET OR POWDERED FORM FOR HUMAN CONSUMPTION, FOR THE PURPOSE OF MAKING UP ANY VITAMIN DEFICIENCY IN THE DIET.

Claims use since Dec. 15, 1941.

Ser. No. 449,793. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Dec. 27, 1941.

RED MITTEN

No claim is made to the word "Red" apart from the mark.

FOR LIPSTICK AND DRY ROUGE.

Claims use since Dec. 24, 1941.

Ser. No. 449,860. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1941.

AVALON

Applicant is the owner of T. M. registrations Nos. 290,105, 298,383, 324,470, and 376,281.

FOR SAL SODA, CHLORITE, AND WATER SOFTENER.

Claims use since Aug. 12, 1932.

Ser. No. 449,912. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Dec. 31, 1941.

REPEL-O-TEX

FOR PREPARATION FOR RENDERING TEXTILES, FABRICS, AND TEXTILE AND OTHER MATERIALS, WATER, STAIN, AND PERSPIRATION RESISTANT.

Claims use since Dec. 16, 1941.

Ser. No. 450,077. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Jan. 8, 1942.

VITA-QUINT

FOR VITAMIN CAPSULES.

Claims use since March, 1937.

Ser. No. 450,315. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 19, 1942.

MELARSEN

FOR PREPARATION FOR THE TREATMENT OF CERTAIN TYPES OF SYPHILIS AND RELATED INFECTIONS.

Claims use since Dec. 22, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 449,195. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Dec. 4, 1941.

Randalite

FOR LAMINATED CONSTRUCTIONS AND PLYWOOD PANELS AND SHEETS.

Claims use since Feb. 15, 1939.

Ser. No. 449,257. THE FLINTKOTE COMPANY, New York, N. Y. Filed Dec. 8, 1941.

C. P.

FOR FIBER INSULATION BOARD USED AS ROOF INSULATION.

Claims use since January, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 449,736. HILL-SHAW COMPANY, Chicago, Ill. Filed Dec. 24, 1941.

Kitchen Kween

FOR GLASS COFFEE BREWERS.
Claims use since Mar. 3, 1936, for "Kitchen Queen"; and since May 1, 1941, for "Kitchen Kween".

CLASS 15

OILS AND GREASES

Ser. No. 449,354. THE PETROL CORPORATION, Los Angeles, Calif. Filed Dec. 10, 1941.

SU-Z-Q

FOR PETROLEUM PRODUCTS—NAMELY, LUBRICATING OIL.
Claims use since Nov. 18, 1941.

Ser. No. 449,355. THE PETROL CORPORATION, Los Angeles, Calif. Filed Dec. 10, 1941.

SUZY-Q

FOR PETROLEUM PRODUCTS—NAMELY, GREASE.
Claims use since Nov. 24, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 447,526. UNITED AIRCRAFT CORPORATION, East Hartford, Conn. Filed Oct. 3, 1941.

FOR AIRCRAFT—NAMELY, LAND AND HYDRO AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since May 2, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 448,716. AMERICAN METAL MOULDING COMPANY, Irvington, N. J. Filed Nov. 18, 1941.

SPIRALOK

FOR FLEXIBLE ARMORED CABLE FOR ELECTRICAL USE.
Claims use since July 1, 1941.

Ser. No. 448,980. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Nov. 27, 1941.

Life Preserver

FOR ELECTRIC DRY CELLS AND DRY CELL BATTERIES.
Claims use since Nov. 5, 1941.

Ser. No. 449,188. MITCHELL MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 4, 1941.

PLASTI-LITE

The word "Lite" is disclaimed apart from the mark.
FOR FLUORESCENT BED LAMPS.
Claims use since Sept. 26, 1941.

Ser. No. 449,225. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa. Filed Dec. 6, 1941.



The representation of a battery in the drawing is disclaimed apart from the mark.
FOR ELECTRIC STORAGE BATTERIES OR ACCUMULATORS, THEIR PARTS AND SUPPLIES.
Claims use since Feb. 28, 1916.

Ser. No. 449,771. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Dec. 26, 1941.

CYCLONE

FOR ELECTRIC STORAGE BATTERIES.
Claims use since Nov. 7, 1941.

Ser. No. 449,914. RAYTHEON PRODUCTION CORPORATION, Newton, Mass. Filed Dec. 31, 1941.

CK

FOR ELECTRICAL SPACE DISCHARGE TUBES.
Claims use since August, 1933.

Ser. No. 449,915. RAYTHEON PRODUCTION CORPORATION, Newton, Mass. Filed Dec. 31, 1941.

RK

FOR ELECTRICAL SPACE DISCHARGE TUBES.
Claims use since April, 1933.

Ser. No. 449,916. RAYTHEON PRODUCTION CORPORATION, Newton, Mass. Filed Dec. 31, 1941.

RX

FOR ELECTRICAL SPACE DISCHARGE TUBES.
Claims use since December, 1937.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 448,776. BARNES, REINECKE & REBHOLZ, Chicago, Ill. Filed Nov. 21, 1941.

NOTCHIES

FOR TOY PAPERBOARD FIGURES.
Claims use since June 25, 1941.

Ser. No. 448,777. BARNES, REINECKE & REBHOLZ, Chicago, Ill. Filed Nov. 21, 1941.

SLOTTIES

FOR TOY PAPERBOARD FIGURES.
Claims use since June 25, 1941.

Ser. No. 450,072. ERIC LUNDBERG, New York, N. Y. Filed Jan. 8, 1942.

WALLOP HIM!

FOR TABLE TENNIS BALLS.
Claims use since Jan. 6, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 447,994. THE BUCKEYE PORTABLE TOOL CO., Dayton, Ohio. Filed Oct. 22, 1941.

ACE

FOR MANUALLY SUPPORTED MOTOR UNITS FOR PORTABLE POWER OPERATED TOOLS, EACH COMPRISING A MOTOR, A SUPPORT FOR THE IMPLEMENT TO BE OPERATED, AND A DRIVING CONNECTION BETWEEN THE MOTOR AND THE SUPPORT FOR THE IMPLEMENT.
Claims use since Nov. 25, 1940.

Ser. No. 449,167. LESTER G. BLACK, doing business as The Black Drill Co., Cleveland, Ohio. Filed Dec. 4, 1941.



The representation of the goods and the word "Hardsteel" are disclaimed apart from the mark.
FOR METAL DRILLS AND REAMERS.
Claims use since Mar. 1, 1941.

Ser. No. 449,947. WALKER-GORDON LABORATORY COMPANY, INC., Plainsboro, N. J. Filed Jan. 1, 1942.

Rotolactor

FOR MILKING MACHINES.
Claims use since May 31, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,320. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Mar. 7, 1941.

MICROSIZE

FOR SIZE CONTROL DEVICES FOR DETERMINING RADIAL OPERATION OF THE TOOL OF THE HONING MACHINE.
Claims use since Jan. 9, 1941.

Ser. No. 443,422. THE MERCURY CORPORATION, Kansas City, Mo. Filed May 9, 1941.

MERCURY
BATTERY SERVICE
AND
SALES MERCHANDIZER

The wording "Battery Service and Sales Merchandiser" is disclaimed apart from the mark.
FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.
Claims use since May 1, 1941.

Ser. No. 449,574. GOLDBERG BROTHERS, Denver, Colo. Filed Dec. 18, 1941.

RELFLEX

FOR MOVING PICTURE REELS.
Claims use since Dec. 13, 1941.

Ser. No. 449,748. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Dec. 26, 1941.

BEAUMONDE

FOR OPHTHALMIC MOUNTINGS, LENSES FOR SAID MOUNTINGS, BLANKS FOR SUCH LENSES AND LENS SUPPORTING MEANS FOR SUCH OPHTHALMIC MOUNTINGS.
Claims use since Oct. 18, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 449,154. PHILCO CORPORATION, Philadelphia, Pa. Filed Dec. 3, 1941.

PHILCO

FOR FLOWING BRUSHES AND PENCIL BRUSHES.
Claims use since 1934.

Ser. No. 449,395. THE PEPSODENT CO., Chicago, Ill. Filed Dec. 11, 1941.

"FIBREX"

FOR TOOTHBRUSHES AND TOOTHBRUSH BRISTLES.
Claims use since Oct. 28, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 412,312. THE STEEL STORAGE FILE COMPANY, Cleveland, Ohio. Filed Nov. 2, 1938.

SAFE | STACK

FOR FILING CABINETS.
Claims use since Oct. 1, 1938.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 439,197. FOSTER & DAVIES, INC., Cleveland, Ohio. Filed Dec. 26, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

FLEUR-O-LIER

FOR REFLECTORS, SHADES, AND SCREENS FOR ELECTRIC LAMPS.
Claims use since Dec. 18, 1939.

Ser. No. 449,442. AGA STOVE COMPANY, INCORPORATED, Cranford, N. J. Filed Dec. 13, 1941.

AGAMATIC

FOR SOLID FUEL BURNING COOKING STOVES.
Claims use since Nov. 13, 1941.

Ser. No. 449,741. FREDERICK G. RICHARDS, New York, N. Y. Filed Dec. 24, 1941.

LITEX

FOR LAMP MASKS, SHADES AND FILTERS FOR BLACKOUT PURPOSES.
Claims use since January, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES

Ser. No. 442,966. THE OHIO RUBBER COMPANY, Willoughby, Ohio. Filed Apr. 25, 1941.

ORCOTITE

FOR DUST AND OIL SEALS FOR USE IN WHEEL AND HUB ASSEMBLIES OF TRACTORS, FARM IMPLEMENTS, AND THE LIKE.
Claims use since Apr. 3, 1941.

Ser. No. 447,528. F. D. FARNAM, doing business as F. D. Farnam & Co., Chicago, Ill. Filed Oct. 3, 1941.

PACKITITE

FOR PAPER AND COMPOSITION GASKETS AND GASKETING TAPE.
Claims use since June 12, 1940.

Ser. No. 450,179. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 13, 1942.

AVENGER

FOR TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER.
Claims use since Dec. 30, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 448,167. PARSONS PAPER COMPANY, Holyoke, Mass. Filed Oct. 27, 1941. Under 10-year proviso.

PARSONS

FOR BOND, LINEN AND LEDGER PAPERS.
Claims use since May 16, 1891.

Ser. No. 449,291. HENRY PERLMAN, doing business as Auto-Rite Stationery Co., not Inc., Chicago, Ill. Filed Dec. 8, 1941.

Auto-Rite
★ STATIONERY ★

The words "Stationery" and "Trade Mark" are disclaimed apart from the mark.
FOR BOND PAPER, LEDGER AND WRITING PAPER, ENVELOPES, NOTE BOOKS, PENCILS, PENS, WRITING PADS, BLOTTERS, AND DECALCOMANIA PAPER.
Claims use since Sept. 30, 1941.

Ser. No. 449,368. BENJAMIN H. DYSHEL, doing business as Victory Letter-Velope Co., Philadelphia, Pa. Filed Dec. 11, 1941.

V

FOR LETTER HEADS, ENVELOPES, AND COMBINED LETTER HEADS AND ENVELOPES.
Claims use since Dec. 8, 1941.

Ser. No. 449,457. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Dec. 13, 1941.

VICTORY

FOR WRAPPING PAPER.
Claims use since Oct. 15, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,721. LOOK, INC., Des Moines, Iowa. Filed Jan. 16, 1941.

COOKING FOR FUN

"Cooking" is disclaimed apart from the mark.
FOR SECTION OF A MAGAZINE.
Claims use since Dec. 17, 1940.

Ser. No. 446,827. EDWARD H. ROTT, Bogota, Colombia. Filed Sept. 4, 1941.

PROINCO

FOR BI-MONTHLY PUBLICATION CONTAINING ARTICLES RELATING TO NATURAL RESOURCES, CULTURE, INDUSTRIES, AND COMMERCE OF THE PAN-AMERICAN COUNTRIES.
Claims use since Mar. 17, 1941.

Ser. No. 448,557. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 12, 1941.

Pliofilm NEWS

The word "News" is disclaimed apart from the mark.
FOR HOUSE-ORGAN PUBLICATIONS ISSUED AT REGULAR INTERVALS.
Claims use since Oct. 31, 1941.

Ser. No. 448,757. EASTERN-COLUMBIA, INC., Los Angeles and Huntington Park, Calif. Filed Nov. 19, 1941.



Applicant disclaims the words "Los Angeles," "Foto Plan," and "Columbia" from the mark as shown.
FOR PHOTOGRAPHIC PRINTS OF FURNITURE LAID OUT IN MINIATURE FORM IN VARIOUS ROOMS OF DWELLINGS.
Claims use since Sept. 2, 1941.

Ser. No. 449,149. NOVELTY PRESS INC., New York, N. Y. Filed Dec. 3, 1941.

4MOST

FOR PUBLICATION OF CARTOONS AND EDITORIAL MATTER, ISSUED QUARTERLY.
Claims use since Nov. 19, 1941.

Ser. No. 449,362. TRIBUNE COMPANY, Chicago, Ill. Filed Dec. 10, 1941.

THE Kitchen Kibitzer

FOR NEWSPAPER COLUMN.
Claims use since Nov. 24, 1941.

CLASS 39

CLOTHING

Ser. No. 437,683. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 8, 1940.

BENEFLEX

FOR INNER SOLES FOR SHOES.
Claims use since Oct. 2, 1940.

Ser. No. 439,350. LA MARQUISE SLIPPER CO., INC., New York, N. Y. Filed Jan. 2, 1941.

Oomphies

FOR LADIES' AND CHILDREN'S SHOES AND SLIPPERS IN LEATHER OR FABRIC AND COMBINATIONS THEREOF.
Claims use since Dec. 6, 1940.

Ser. No. 443,247. DOMINION CORSET COMPANY, LIMITED, Quebec, Canada. Filed May 5, 1941.

Liptex

FOR CORSETS, GIRDLES, AND BRASSIÈRES.
Claims use since Apr. 1, 1941.

Ser. No. 444,638. SILAS K. EVERETT, New York, N. Y. Filed June 18, 1941.

Everlex

FOR OUTER SHIRTS, SLACKS, SUITS, NECKTIES, OUTER SHORTS, SWIMMING TRUNKS, AND BATHING SUITS, INTENDED FOR WEAR BY MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 29, 1940.

Ser. No. 446,872. A. B. HAMMETT, INC., Los Angeles, Calif. Filed Sept. 8, 1941.

Damsel CREATIONS of HOLLYWOOD

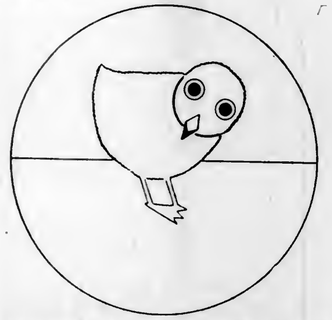
Applicant disclaims the words "Creations of Hollywood" except as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S GIRDLES, PANTY GIRDLES, CORSETS, BRASSIÈRES; LINGERIE—NAMELY, PANTIES, SLIPS, GOWNS, PAJAMAS, NEGLIGEES, AND CHEMISES; SPORTS WEAR—NAMELY, SHORTS, SLACKS, SKIRTS, SPORT SKIRTS, BLOUSES, AND PAJAMAS; AND SWIMMING SUITS AND TRUNKS.
Claims use since July 10, 1938.

Ser. No. 447,553. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Oct. 6, 1941.

LITHE-LINE

Applicant disclaims the word "Line" except as shown.
FOR CORSETS AND BRASSIÈRES.
Claims use since July 21, 1941.

Ser. No. 448,184. CHICOPEE SALES CORPORATION, New York, N. Y. Filed Oct. 28, 1941.



FOR BABIES' DIAPERS; BABIES' DIAPER OUTFITS CONSISTING OF A WATERPROOF HOLDER AND A DISPOSABLE DIAPER PAD; AND WATERPROOF HOLDERS AND DISPOSABLE DIAPER PADS FOR USE WITH SAID OUTFITS.
Claims use since Oct. 1, 1938.

Ser. No. 448,280. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Oct. 31, 1941.

Nylard

FOR NECKTIES, CRAVATS, AND SCARFS.
Claims use since Sept. 8, 1941.

Ser. No. 448,528. THE SCOTT-BURR STORES CORPORATION, Chicago, Ill. Filed Nov. 10, 1941.

LEEDSHIRE

FOR WOMEN'S, MISSES', AND CHILDREN'S COATS, DRESSES, HATS, BATHING SUITS, BLOUSES, OUTERSKIRTS, SLACKS, SHORTS, SUNSUITS, SPORT SOCKS, AND SWEATERS.
Claims use since Jan. 25, 1941.

Ser. No. 448,539. WILHOITS' INC., Los Angeles, Calif. Filed Nov. 10, 1941.

Lord Scot

FOR KNIT WEAR—NAMELY, SWEATERS.
Claims use since June, 1941.

Ser. No. 448,660. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1941.

Roly Poly

FOR INFANTS' DRESSES, CARRIAGE SUITS, COAT AND BONNET SETS, BUNTINGS, NIGHT GUARDS (SLEEPING BAG), HOSIERY, GOWNS, WRAPPERS, SLIPS, CREEPERS, DIAPER PANTIES, UNDERWEAR, AND SHOULDER BANDS.
Claims use since Mar. 15, 1941.

Ser. No. 448,963. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Nov. 27, 1941.

raylard

FOR NECKTIES.
Claims use since Oct. 24, 1941.

Ser. No. 448,977. MICHAELS, STERN & COMPANY, INC., Rochester, N. Y. Filed Nov. 27, 1941.

NEEDLEMASTER

FOR MEN'S AND BOYS' SUITS, TOPCOATS AND OVERCOATS.
Claims use since June, 1941.

Ser. No. 449,125. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Dec. 3, 1941.

MACCLESTYLES

FOR NECKTIES.
Claims use since Nov. 3, 1941.

Ser. No. 449,829. COBBLERS, INC., Los Angeles, Calif. Filed Dec. 29, 1941.

ROMNIES

FOR SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Oct. 9, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 449,122. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 3, 1941.

DAMASKANESE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Dec. 1, 1941.

Ser. No. 449,134. L. W. GUILD COMPANY, INC., Boston, Mass. Filed Dec. 3, 1941.

Northland MILLS

The word "Mills" is disclaimed apart from the mark.
FOR WORSTED OR WOOLEN FABRICS, AND FABRICS CONTAINING WORSTED OR WOOLEN FIBERS IN COMBINATION WITH COTTON OR RAYON IN THE PIECE OR IN CUT LENGTHS.
Claims use since Jan. 2, 1939.

Ser. No. 449,249. BARTMANN & BIXER, INC., New York, N. Y. Filed Dec. 8, 1941.

KENCILLA

FOR WINDOW CURTAINS.
Claims use since Nov. 15, 1941.

Ser. No. 449,255. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 8, 1941.

SUNSPARKLE

FOR LACE CURTAINS.
Claims use since February, 1941.

Ser. No. 449,550. HOLMES & ZUCKER INC., New York, N. Y. Filed Dec. 17, 1941.

Loomshire FABRICS

Applicant disclaims the word "Fabrics."
FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since June 15, 1939.

CLASS 43

THREAD AND YARN

Ser. No. 449,370. FLEISHER YARNS, INC., New York, N. Y. Filed Dec. 11, 1941.

QUALI-TESTED

The word "Tested" is disclaimed apart from the mark.
FOR YARNS.
Claims use since Nov. 27, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 447,491. RICHARDSON CORPORATION, Rochester, N. Y. Filed Oct. 2, 1941.

RICHardson
ROOT BEER

No claim is made to the words "Rich" and "Root Beer" apart from the mark. The outline of the label is disclaimed per se. The drawing is lined for red.
FOR ROOT BEER AND SYRUP USED IN MAKING ROOT BEER.
Claims use since Apr. 10, 1940.

Ser. No. 448,846. BARRICINI INC., New York and Long Island City, N. Y. Filed Nov. 24, 1941.

Barricini

FOR NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July 11, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 437,425. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Oct. 30, 1940.

ROYAL

SCARLET

Applicant is owner of T. M. Reg. Nos. 30,399 and 305,097.
FOR CANNED VEGETABLES; FRUITS; FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES; FISH, SHRIMP, CRABMEAT, CLAMS; MEATS, INCLUDING PORK AND BEANS; SPICED LUNCHEON MEAT; SOUPS; BROTHS; PUDDINGS AND BROWN BREADS; DRIED VEGETABLES; WHEAT, RYE, POTATO, RICE, GLUTEN, CAKE, GRAHAM AND PANCAKE-WAFFLE COMBINATION FLOURS; PREPARED BUCKWHEAT; TEA; COFFEE; RICE; MOLASSES; MAPLE SYRUP; PANCAKE SYRUP; HONEY; SAUCES, INCLUDING SPAGHETTI, CHILI, WORCESTERSHIRE, WHOLE PEPPER AND CONCENTRATED HOT; GELATINE; TOMATO PASTE; TOMATO CATSUP; PAPRIKA; SPICES; CHILI POWDER; MUSTARD; POULTRY SEASONING; BLACK PEPPER; WHITE PEPPER; SALAD OIL; SHORTENING; BARLEY (PACKAGED); BRAN (PACKAGED); HOMINY; CORN MEAL; TAPIOCA; FARINA; CORN FLAKES; ROLLED OATS; BRAN FLAKES (PACKAGED); RICE FLAKES; WHEAT CEREAL; WHEAT AND RICE PUFFS; BOUILLON CUBES; CONDENSED AND EVAPORATED MILK; DRIED AND GLACE FRUITS; CITRON AND ORANGE AND LEMON PEELS; STUFFED ASSORTED FRUITS; GINGER; PRESERVED FIGS; NUTS IN BULK; MACARONI; SPAGHETTI; NOODLES; OLIVES, PLAIN OR STUFFED; OLIVE OIL; PIMIENTOS; MUSHROOMS; ANCHOVY PASTE; CAPERS; CHERRIES (MARASCHINO AND MINT STYLES AND FOR DIPPING AND FOUNTAIN USE); FRUIT PRESERVES, JAMS AND JELLIES; APPLE BUTTER; JELLY POWDERS; MINCEMEAT; SALT MACKEREL; CHEESE; SALT; COCOANUT; CORN STARCH; PICKLES; VINEGAR; HORSE RADISH; CHOCOLATE; COCOA; CHOCOLATE MALT-FLAVORED SYRUP; MARSHMALLOW CRÈME; CRACKER MEAL; FLAVORING EXTRACTS FOR FOOD PURPOSES; SWEET CHOCOLATE COATING; HOT CHOCOLATE POWDER; CHOCOLATE LIQUOR; MALTED MILK; PEANUT BUTTER; CANDY; CRUSHED FRUITS; AND BIRD SEED.
Claims use since 1897.

Ser. No. 437,426. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Oct. 30, 1940.

ROYAL

SCARLET

Applicant is owner of T. M. Reg. Nos. 30,399 and 305,097.
FOR CANNED VEGETABLES; FRUITS; FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES; FISH, SHRIMP. CRABMEAT, CLAMS; MEATS, INCLUDING PORK AND BEANS; SPICED LUNCHEON MEAT; SOUPS; BROTHS; PUDDINGS AND BROWN BREADS; DRIED VEGETABLES; WHEAT, RYE, POTATO, RICE, GLUTEN, CAKE, GRAHAM AND PANCAKE-WAFFLE COMBINATION FLOURS; PREPARED BUCKWHEAT; TEA; COFFEE; RICE; MOLASSES; MAPLE SYRUP; PANCAKE SYRUP; HONEY; SAUCES, INCLUDING SPAGHETTI, CHILI, WORCESTERSHIRE, WHOLE PEPPER AND CONCENTRATED HOT; GELATINE; TOMATO PASTE; TOMATO CATSUP; PAPRIKA; SPICES; CHILI POWDER; MUSTARD; POULTRY SEASONING; BLACK PEPPER; WHITE PEPPER; SALAD OIL; SHORTENING; BARLEY (PACKAGED); BRAN (PACKAGED); HOMINY; CORN MEAL; TAPIOCA; FARINA; CORN FLAKES; ROLLED OATS; BRAN FLAKES (PACKAGED); RICE FLAKES; WHEAT CEREAL; WHEAT AND RICE PUFFS; BOUILLON CUBES; CONDENSED AND EVAPORATED MILK; DRIED AND GLACE FRUITS; CITRON AND ORANGE AND LEMON PEELS; STUFFED ASSORTED FRUITS; GINGER; PRESERVED FIGS; NUTS IN BULK; MACARONI; SPAGHETTI; NOODLES; OLIVES, PLAIN AND STUFFED; OLIVE OIL; PIMIENTOS; MUSHROOMS; ANCHOVY PASTE; CAPERS; CHERRIES (MARASCHINO AND MINT STYLES AND FOR DIPPING AND FOUNTAIN USE); FRUIT PRESERVES, JAMS AND JELLIES; APPLE BUTTER; JELLY POWDERS; MINCEMEAT; SALT MACKEREL; CHEESE; SALT; COCOANUT; CORN STARCH; PICKLES; VINEGAR; HORSE RADISH; CHOCOLATE; COCOA; CHOCOLATE MALT-FLAVORED SYRUP; MARSHMALLOW CRÈME; CRACKER MEAL; FLAVORING EXTRACTS FOR FOOD PURPOSES; SWEET CHOCOLATE COATING; HOT CHOCOLATE POWDER; CHOCOLATE LIQUOR; MALTED MILK; PEANUT BUTTER; CANDY; CRUSHED FRUITS; AND BIRD SEED AND BIRD GRAVEL.
Claims use since 1897.

Ser. No. 437,427. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Oct. 30, 1940.

Applicant is owner of T. M. Reg. Nos. 30,399 and 305,097.
FOR CANNED VEGETABLES; FRUITS; FRUITS AND VEGETABLE JUICES FOR FOOD PURPOSES; FISH, SHRIMP. CRABMEAT, CLAMS; MEATS, INCLUDING PORK AND BEANS; SPICED LUNCHEON MEAT; SOUPS; BROTHS; PUDDINGS AND BROWN BREADS; DRIED VEGETABLES; WHEAT, RYE, POTATO, RICE, GLUTEN, CAKE, GRAHAM AND PANCAKE-WAFFLE COMBINATION FLOURS; PREPARED BUCKWHEAT; TEA; COFFEE; RICE; MOLASSES; MAPLE SYRUP; PANCAKE SYRUP; HONEY; SAUCES, INCLUDING SPAGHETTI, CHILI, WORCESTERSHIRE, WHOLE PEPPER AND CONCENTRATED HOT; GELATINE; TOMATO PASTE; TOMATO CATSUP; PAPRIKA; SPICES; CHILI POWDER; MUSTARD; POULTRY SEASONING; BLACK PEPPER; WHITE PEPPER; SALAD OIL; SHORTENING; BARLEY (PACKAGED); BRAN (PACKAGED); HOMINY; CORN MEAL; TAPIOCA; FARINA; CORN FLAKES; ROLLED OATS; BRAN FLAKES (PACKAGED); RICE FLAKES; WHEAT CEREAL; WHEAT AND RICE PUFFS; BOUILLON CUBES; CONDENSED AND EVAPORATED MILK; DRIED AND GLACE FRUITS; GINGER; PRESERVED FIGS; NUTS IN BULK; MACARONI; SPAGHETTI; NOODLES; OLIVES, PLAIN AND STUFFED; OLIVE OIL; PIMIENTOS; MUSHROOMS; ANCHOVY PASTE; CAPERS; CHERRIES (MARASCHINO AND MINT STYLES AND FOR DIPPING AND FOUNTAIN USE); FRUIT PRESERVES, JAMS AND JELLIES; APPLE BUTTER; JELLY POWDERS; MINCEMEAT; SALT MACKEREL; CHEESE; SALT; COCOANUT; CORN STARCH; PICKLES; VINEGAR; HORSE RADISH; CHOCOLATE; COCOA; CHOCOLATE MALT-FLAVORED SYRUP; MARSHMALLOW CRÈME; CRACKER MEAL; FLAVORING EXTRACTS FOR FOOD PURPOSES; SWEET CHOCOLATE COATING; HOT CHOCOLATE POWDER; CHOCOLATE LIQUOR; MALTED MILK; PEANUT BUTTER; CANDY; CRUSHED FRUITS; AND BIRD SEED.
Claims use since 1897.

Ser. No. 446,888. NEVINS FRUIT CO., INC., New York, N. Y. Filed Sept. 8, 1941.

INRIV

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Feb. 28, 1915.

Ser. No. 447,822. RED-EE FOODS, INC., Los Angeles, Calif. Filed Oct. 15, 1941.

Cinch

FOR PARTLY PREPARED APPLESAUCE.
Claims use since June 4, 1941.

Ser. No. 448,456. PARAMOUNT AQUARIUM, INC., New York, N. Y. Filed Nov. 7, 1941.

Paramount

FOR PET FOOD PRODUCTS AND AQUARIUM PRODUCTS—NAMELY, FISH FOOD.
Claims use since 1935.

Ser. No. 448,531. ARTHUR SERRA AND CO., Hollywood, Fla. Filed Nov. 10, 1941.

CUBAN
SENORITA

Applicant is owner of T. M. Reg. Nos. 351,772 and 373,577.
FOR CANNED PINEAPPLE.
Claims use since Apr. 1, 1941.

Ser. No. 448,845. BARRICINI INC., New York, and Long Island City, N. Y. Filed Nov. 24, 1941.

Barricini

FOR ICE-CREAM, ICES, PASTRIES—NAMELY, CAKES, COOKIES, AND BISCUITS.
Claims use since July 11, 1941.

Ser. No. 448,934. THE BORDEN COMPANY, New York, N. Y. Filed Nov. 26, 1941.

ROYAL CREST

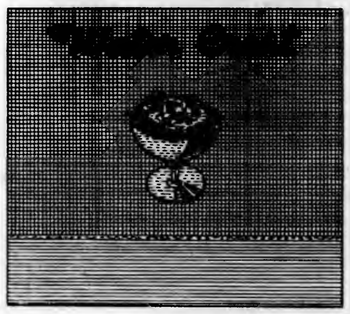
FOR FLUID MILK.
Claims use since Oct. 15, 1941.

Ser. No. 448,983. PH. ORTH CO., Milwaukee, Wis. Filed Nov. 27, 1941.

SIMPL-FROST

FOR ICING.
Claims use since Oct. 6, 1941.

Ser. No. 449,041. DORGAN PACKING CORP., Mobile, Ala., and Biloxi, Miss. Filed Nov. 29, 1941.



The drawing is lined for red, blue, black, and silver. Applicant disclaims the representation of the shrimp separately from the mark.
FOR CANNED SHRIMP.
Claims use since Nov. 4, 1941.

Ser. No. 449,193. JOHN H. SCOFIELD, doing business as Scofield Hatchery, Peoria, Ill. Filed Dec. 4, 1941.

MASSCO

FOR POULTRY—NAMELY, BABY CHICKS.
Claims use since Sept. 21, 1940.

Ser. No. 449,971. TORMEY, BELLO & CIA. SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentina. Filed Jan. 2, 1942.

"TORYBEL"

FOR CHEESE.
Claims use since October, 1941.

Ser. No. 450,020. PAN-AMERICAN DISTRIBUTING CO., Charlotte, N. C. Filed Jan. 6, 1942.

VIBEMIN

FOR SPECIAL PURPOSE FOOD FOR HUMAN CONSUMPTION, CONTAINING RICE BRAN, WHEAT, OAT FLOUR, ALFALFA EXTRACT, AND FISH LIVER OIL.
Claims use since Dec. 12, 1941.

Ser. No. 450,058. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed Jan. 7, 1942.

"REM"



Applicant is owner of T. M. Reg. Nos. 371,573 and 371,963. The representation of the man is fanciful.
FOR FRESH VEGETABLES.
Claims use since Nov. 15, 1941.

CLASS 47

WINES

Ser. No. 448,133. FRUIT INDUSTRIES, LTD., San Francisco, Calif., Chicago, Ill., and Brooklyn, N. Y. Filed Oct. 27, 1941.

HOTEL & CLUB

Everyday RED WINE

No claim is made to the words "Hotel & Club," "Red" and "Wine" except as shown.
FOR WINES.
Claims use since Oct. 7, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 448,904. THE WILLIAM GERST BREWING CO., INC., Nashville, Tenn. Filed Nov. 25, 1941.

BIG 10

FOR BEER.
Claims use since Oct. 30, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 438,040. J. A. DOUGHERTY'S SONS, INCORPORATED, DISTILLERS, Philadelphia, Pa. Filed Nov. 19, 1940.

COUNTRY GENTLEMAN

FOR WHISKEY.
Claims use since Apr. 22, 1932.

Ser. No. 448,615. HENRY KELLY IMPORTING & DISTRIBUTING CO. INC., New York, N. Y. Filed Nov. 13, 1941.

BRAVADE

FOR BRANDY.
Claims use since Oct. 17, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 3, 1942

393,720. METAL ROOFING, METAL STALLS AND STANCHIONS; COMPOSITION ROOFING, AND SHINGLES. United Co-Operatives, Inc., Indianapolis, Ind.
Filed July 17, 1939. Serial No. 421,679. PUBLISHED MAY 14, 1940. Class 12.

393,721. ARTIFICIAL AND IMITATION GEMS. Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
Filed October 19, 1939. Serial No. 424,682. PUBLISHED DECEMBER 23, 1941. Class 28.

393,722. RAZOR BLADES. Otto Eisenlohr & Bros., Inc., Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,025. PUBLISHED DECEMBER 16, 1941. Class 23.

393,723. BED BLANKETS OF TEXTILE FABRICS. F. C. Huyck & Sons, Albany and Rensselaer, N. Y.
Filed March 26, 1940. Serial No. 429,981. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,724. TABLETS OF CONCENTRATED FOODS TO BE USED AS A DIETARY SUPPLEMENT. The Blything Laboratories, Los Angeles, Calif.
Filed April 1, 1940. Serial No. 430,214. PUBLISHED JULY 2, 1940. Class 46.

393,725. FISHING RODS, FISHING REELS AND FISH LANDING NETS. Richardson Rod & Reel Co., Chicago, Ill.
Filed April 25, 1940. Serial No. 431,224. PUBLISHED DECEMBER 23, 1941. Class 22.

393,726. TABLE SYRUP, PICKLES, PEANUT BUTTER, AND PICKLE RELISHES. W. B. Roddenbery Co., Cairo, Ga.
Filed July 15, 1940. Serial No. 433,989. PUBLISHED DECEMBER 3, 1940. Class 46.

393,727. CONDUIT BENDING TOOLS FOR USE IN CONNECTION WITH BENDING AND SHAPING CONDUIT AND TUBING EMPLOYED IN THE INSTALLATION OF ELECTRICAL WIRING-RACEWAY SYSTEMS. The Thomas & Betts Co., Elizabeth, N. J.
Filed December 27, 1940. Serial No. 439,244. PUBLISHED DECEMBER 23, 1941. Class 23.

393,728. REEDS FOR MUSICAL INSTRUMENTS. H. Chiron Co., Inc., New York, N. Y.
Filed November 30, 1940. Serial No. 438,376. PUBLISHED DECEMBER 9, 1941. Class 36.

393,729. SENSITIZED PHOTOGRAPHIC FILM. Bert J. Lash, Spokane, Wash.
Filed January 3, 1941. Serial No. 439,392. PUBLISHED DECEMBER 23, 1941. Class 26.

393,730. ELECTRIC STARTERS FOR ELECTRIC MOTORS. Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa.
Filed January 16, 1941. Serial No. 439,736. PUBLISHED DECEMBER 16, 1941. Class 21.

393,731. ELECTRIC SERVICE EQUIPMENT TROUGHS. Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa.
Filed January 16, 1941. Serial No. 439,737. PUBLISHED DECEMBER 16, 1941. Class 21.

393,732. FRESH CITRUS FRUITS. Tuxedo Fruit Company, Fort Pierce, Fla.
Filed January 28, 1941. Serial No. 440,074. PUBLISHED MAY 20, 1941. Class 46.

393,733. FRESH CITRUS FRUITS. Tuxedo Fruit Company, Fort Pierce, Fla.
Filed January 28, 1941. Serial No. 440,075. PUBLISHED MAY 20, 1941. Class 46.

393,734. MATCHES. Anco Corporation, Pittsburgh, Pa.
Filed February 8, 1941. Serial No. 440,438. PUBLISHED DECEMBER 23, 1941. Class 9.

393,735. ACCOUNTING FORMS. The Reynolds & Reynolds Co., Dayton, Ohio.
Filed February 17, 1941. Serial No. 440,732. PUBLISHED DECEMBER 23, 1941. Class 37.

393,736. ACCOUNTING FORMS. The Reynolds & Reynolds Co., Dayton, Ohio.
Filed February 17, 1941. Serial No. 440,733. PUBLISHED DECEMBER 23, 1941. Class 37.

393,737. FRESH VEGETABLES. Wilkinson Bros., Calipatria, Calif.
Filed March 7, 1941. Serial No. 441,338. PUBLISHED DECEMBER 16, 1941. Class 46.

393,738. STARCH PRODUCT FOR USE IN THE PREPARATION OR TREATMENT OF WELL DRILLING FLUIDS. National Lead Company, New York, N. Y.
Filed March 12, 1941. Serial No. 441,482. PUBLISHED DECEMBER 9, 1941. Class 12.

393,739. ROCK WOOL FOR INSULATION PURPOSES, STORM WINDOWS, COMBINATION SCREEN AND STORM WINDOWS, JALOUSIES, AND AWNINGS OF METAL, PARTICULARLY, VENETIAN AWNINGS FOR OUTSIDE USE. The F. C. Russell Company, Cleveland, Ohio.
Filed March 14, 1941. Serial No. 441,548. PUBLISHED DECEMBER 16, 1941. Class 12.

393,740. CLEANING COMPOUND HAVING INCIDENTAL PROPERTIES AS A STERILIZING AND GERMICIDAL AGENT. The Tubbs Company, River Falls, Wis.
Filed March 17, 1941. Serial No. 441,649. PUBLISHED DECEMBER 23, 1941. Class 4.

393,741. CLEAR OR COLORLESS DAMPPROOFING, WATERPROOFING FABRIC, ASPHALT TROWEL MASTIC, EMULSIFIED ASPHALT TYPE H FOR ASPHALT MASTIC FLOORS, AND CAULKING COMPOUND. H. E. Cann Company, Inc., Baltimore, Md.
Filed March 21, 1941. Serial No. 441,761. PUBLISHED DECEMBER 9, 1941. Class 12.

393,742. LAUNDRY WASHING MACHINES. Sears, Roebuck and Co., Chicago, Ill.
Filed March 31, 1941. Serial No. 442,144. PUBLISHED DECEMBER 16, 1941. Class 24.

393,743. CHEMICAL AND LABORATORY GLASSWARE, SUCH AS THERMOMETERS, HYDROMETERS, BURETTES, PIPETTES, AND GRADUATED CYLINDERS, TUBES, FLASKS, AND MEASURING GLASSES, PROVIDED WITH AN OUTER PLASTIC COATING TO PREVENT SHATTERING. Kimble Glass Company, Vineland, N. J.
Filed April 2, 1941. Serial No. 442,197. PUBLISHED DECEMBER 23, 1941. Class 26.

393,744. CONCRETE BUILDING BLOCKS. W. E. Dunn Manufacturing Company, Holland, Mich.
Filed April 12, 1941. Serial No. 442,523. PUBLISHED DECEMBER 9, 1941. Class 12.

393,745. ATTACHMENTS FOR CAMERAS CONSISTING OF RANGE FINDERS, FLASHLIGHT-SYNCHRONIZERS AND SYNCHRONIZER TESTING DEVICES. Charles E. Kidner, New York, N. Y., assignor to The Kalart Company, Inc., New York, N. Y.
Filed April 12, 1941. Serial No. 442,529. PUBLISHED DECEMBER 23, 1941. Class 26.

393,746. MILK CHOCOLATE. Klein Chocolate Company, Inc., Elizabethtown, Pa.
Filed April 17, 1941. Serial No. 442,663. PUBLISHED DECEMBER 23, 1941. Class 46.

393,747. FUR SKINS AND PELTS. Morton Etelson, New York, N. Y.
Filed April 19, 1941. Serial No. 442,749. PUBLISHED DECEMBER 23, 1941. Class 1.

393,748. PHOTOGRAPHIC LENSES. Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,839. PUBLISHED DECEMBER 23, 1941. Class 26.

393,749. HARMONICAS. United States Harmonica Corporation, Greenwich, Conn.
Filed April 23, 1941. Serial No. 442,885. PUBLISHED OCTOBER 7, 1941. Class 36.

393,750. ASH TRAYS, BELT BUCKLES, BRACELETS, COMPACTS, EMBLEMS, GAVELS, GAVEL BELLS, GAVEL BLOCKS, HANDBAGS, MEDALS, ETC. American Turners, Detroit, Mich.
Filed April 25, 1941. Serial No. 442,928. PUBLISHED DECEMBER 23, 1941. Class 28.

393,751. MACHINERY PACKING. Anna E. Rains, Spokane, Wash.
Filed April 25, 1941. Serial No. 442,973. PUBLISHED DECEMBER 23, 1941. Class 35.

393,752. FRESH DECIDUOUS FRUIT. Basket Fruits, Inc., Yakima, Wash.
Filed May 6, 1941. Serial No. 443,281. PUBLISHED DECEMBER 23, 1941. Class 46.

393,753. CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO—NAMELY, PHOTOGRAPHIC CAMERAS AND PROJECTORS, ETC. Bol, Ltd., New York, N. Y.
Filed May 9, 1941. Serial No. 443,391. PUBLISHED SEPTEMBER 30, 1941. Class 26.

393,754. REFRACTORY MATERIAL IN THE CONDITION OF AN AIR-SETTING PLASTIC FOR USE IN THE STRUCTURE OF HIGH-TEMPERATURE FURNACES AND THE LIKE. Laclede-Christy Clay Products Company, St. Louis, Mo.
Filed May 15, 1941. Serial No. 443,609. PUBLISHED DECEMBER 9, 1941. Class 12.

393,755. GROUND BARYTES. Magnet Cove Barium Corporation, Malvern, Ark., and Jamestown, Tenn.
Filed May 16, 1941. Serial No. 443,638. PUBLISHED DECEMBER 23, 1941. Class 1.

393,756. LOOM SUPPLIES—NAMELY, PICKERS. Graton & Knight Company, Worcester, Mass.
Filed May 24, 1941. Serial No. 443,882. PUBLISHED DECEMBER 23, 1941. Class 23.

393,757. COLORLESS, PENETRATING, PORE-FILLING SOLUTION FOR WATERPROOFING AND PRESERVING MASONRY AND WOOD. J. E. Blackman, doing business as Hydrozo Products Company, Gering, Nebr.
Filed July 5, 1941. Serial No. 445,085. PUBLISHED DECEMBER 9, 1941. Class 12.

393,758. BLACK LIGHT EQUIPMENT, ULTRA VIOLET LAMPS, AND POULTRY LAMPS. Continental Lithograph Corporation, Cleveland, Ohio.
Filed July 11, 1941. Serial No. 445,258. PUBLISHED DECEMBER 16, 1941. Class 21.

393,759. CAMERA CASE. Louis Lefkowitz & Bro., Inc., New Brunswick, N. J.
Filed July 11, 1941. Serial No. 445,268. PUBLISHED DECEMBER 16, 1941. Class 26.

393,760. GLASS LENSES FOR EYE PROTECTION. New York Eye Protection Co., Inc., New York, N. Y.
Filed July 15, 1941. Serial No. 445,363. PUBLISHED DECEMBER 9, 1941. Class 26.

393,761. WRAPPING PAPER OTHER THAN WAX OR PARAFFIN PAPER. International Paper Company, New York, N. Y.
Filed July 19, 1941. Serial No. 445,497. PUBLISHED DECEMBER 23, 1941. Class 37.

393,762. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. Crown Fabrics Corporation, New York, N. Y.
Filed July 21, 1941. Serial No. 445,520. PUBLISHED DECEMBER 9, 1941. Class 42.

393,763. GASKETS. Kason Hardware Corporation, New York, N. Y.
Filed July 23, 1941. Serial No. 445,581. PUBLISHED DECEMBER 23, 1941. Class 35.

393,764. NAVIGATORS' ALTITUDE AND AZIMUTH COMPUTING APPARATUS. Francis Chamberlain, Arlington, Mass.
Filed July 25, 1941. Serial No. 445,627. PUBLISHED DECEMBER 23, 1941. Class 26.

393,765. PAINT, SAID PAINT BEING SOLD IN DRY FORM. The American Crayon Company, Sandusky, Ohio.
Filed July 26, 1941. Serial No. 445,646. PUBLISHED DECEMBER 23, 1941. Class 16.

393,766. FABRIC PATCHES, COATED UPON ONE SIDE WITH AN ADHESIVE, ADAPTED FOR MENDING AND REINFORCING WEARING APPAREL, LINEN, AND OTHER FABRICS. Simmons Electro-Mend, Inc., Chicago, Ill.
Filed July 26, 1941. Serial No. 445,671. PUBLISHED DECEMBER 23, 1941. Class 5.

393,767. COAL. Charleston Sixth Vein Collieries Company, Dawson Springs, Ky.
Filed August 6, 1941. Serial No. 446,019. PUBLISHED DECEMBER 23, 1941. Class 1.

393,768. LOOM SUPPLIES—NAMELY, CHECK STRAPS, FLAT MILL STRAPPING, BOX PLATE STRAPS, ETC. Graton & Knight Company, Worcester, Mass.
Filed August 6, 1941. Serial No. 446,024. PUBLISHED DECEMBER 9, 1941. Class 23.

393,769. CANDY. Telesweets, Inc., Los Angeles, Calif.
Filed August 12, 1941. Serial No. 446,186. PUBLISHED DECEMBER 16, 1941. Class 46.

393,770. KNITTED AND WOVEN WOOLEN AND WORSTED CLOTHS, JERSEY CLOTHS, EIDERDOWNS, CHINCHILLAS, AND SPECIAL KNITTED FABRICS HAVING A FLEECY PILE OR SURFACE, IN THE PIECE. Continental Mills, Inc., Philadelphia, Pa.
Filed August 15, 1941. Serial No. 446,265. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,771. FUEL OIL HEATERS, JACKET WATER COOLERS, CONDENSERS, AND EVAPORATORS. Heat Transfer Products, Inc., New York, N. Y.
Filed August 20, 1941. Serial No. 446,394. PUBLISHED DECEMBER 23, 1941. Class 34.

393,772. COTTON, RAYON, AND SILK PIECE GOODS FOR WOMEN'S AND CHILDREN'S DRESSES. Velveray Corporation, New York, N. Y.
Filed August 21, 1941. Serial No. 446,444. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,773. INDICATING, RECORDING, AND CONTROLLING INSTRUMENTS OF THE POTENTIOMETRIC AND WHEATSTONE BRIDGE TYPES FOR PHYSICAL QUANTITIES AND CONDITIONS SUCH AS TEMPERATURE, PRESSURE, POTENTIAL, AND THE LIKE, WHICH ARE VARIABLE WITH TIME. CHARLES J. TAGLIABUE MFG. CO., Brooklyn, N. Y.
Filed August 22, 1941. Serial No. 446,471. PUBLISHED DECEMBER 16, 1941. Class 26.

393,774. TABLECLOTHS, LINENS, TOWELING, AND NAPKINS. WEIL & DURRSE, New York, N. Y.
Filed August 22, 1941. Serial No. 446,472. PUBLISHED DECEMBER 9, 1941. Class 42.

393,775. FURNACE OILS AND FUEL OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed August 27, 1941. Serial No. 446,558. PUBLISHED DECEMBER 9, 1941. Class 15.

393,776. FABRICS OF COTTON, RAYON, WOOL, AND MIXTURES THEREOF IN THE PIECE. GEORGE J. HECHT, doing business as Children's Products Company, New York, N. Y.
Filed August 28, 1941. Serial No. 446,627. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,777. APPARATUS FOR DETECTING LEAKS AND THE LOCATION OF LEAKS IN UNDERGROUND VALVES AND PIPE LINES, ETC. ALLEN-HOWE MANUFACTURING COMPANY, Peabody, Mass.
Filed August 29, 1941. Serial No. 446,645. PUBLISHED DECEMBER 16, 1941. Class 26.

393,778. DRESS FABRICS OR PIECE GOODS MADE OF A COMBINATION OF SPUN RAYON AND ACETATE RAYON. YALE FABRICS CORP., New York, N. Y.
Filed September 3, 1941. Serial No. 446,771. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,779. CAST STONE USED ONLY AS CONSTRUCTION MATERIAL. CLAYTON FRALICK, doing business as Lanonite Co. of America, Milwaukee, Wis.
Filed September 4, 1941. Serial No. 446,778. PUBLISHED DECEMBER 9, 1941. Class 12.

393,780. POTATOES. GILCREST EARLY POTATO ASSOCIATION, INC., Gilcrest, Colo.
Filed September 6, 1941. Serial No. 446,835. PUBLISHED DECEMBER 16, 1941. Class 46.

393,781. CIGARETTES AND SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed September 10, 1941. Serial No. 446,937. PUBLISHED DECEMBER 23, 1941. Class 17.

393,782. INSULATORS FOR HIGH TENSION INSULATION. LOCKE INSULATOR CORPORATION, Baltimore, Md.
Filed September 10, 1941. Serial No. 446,950. PUBLISHED DECEMBER 9, 1941. Class 21.

393,783. CIGARETTES. CENTRAL TOBACCO COMPANY INC., New York, N. Y.
Filed September 16, 1941. Serial No. 447,058. PUBLISHED DECEMBER 23, 1941. Class 17.

393,784. VAGINAL DIAPHRAGM INSERTER. ELLIS H. EDWARDS, White Plains, N. Y.
Filed September 19, 1941. Serial No. 447,181. PUBLISHED DECEMBER 23, 1941. Class 44.

393,785. SHEETS, PILLOW CASES, SHEETINGS, TUBING, AND PIECE GOODS OF COTTON, RAYON (VISCOSE AND ACETATE), LINEN, AND COMBINATIONS THEREOF. THE ERWIN COTTON MILLS COMPANY, Durham, N. C.
Filed September 22, 1941. Serial No. 447,232. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,786. THERMOPLASTIC SYNTHETIC RESINS COMPRISING THE PRODUCTS OBTAINED BY COPOLYMERIZING STYRENE WITH OTHER POLYMERIZABLE SUBSTANCES. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed September 24, 1941. Serial No. 447,284. PUBLISHED DECEMBER 23, 1941. Class 1.

393,787. FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed September 26, 1941. Serial No. 447,324. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,788. CANNED TOMATO JUICE. WALT WEGNER FOODS, INC., Williamson, N. Y.
Filed September 26, 1941. Serial No. 447,354. PUBLISHED DECEMBER 23, 1941. Class 46.

393,789. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 27, 1941. Serial No. 447,367. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,790. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 27, 1941. Serial No. 447,369. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,791. FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed September 29, 1941. Serial No. 447,389. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,792. SOLIDIFIED CORN SYRUP FOR USE BY MANUFACTURERS OF FOOD PRODUCTS BUT NOT FOR USE IN ICE CREAM. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed September 30, 1941. Serial No. 447,422. PUBLISHED DECEMBER 23, 1941. Class 46.

393,793. PHONOGRAPHS, AND RADIO PHONOGRAPH COMBINATIONS. EMERSON RADIO AND PHONOGRAPH CORPORATION, New York, N. Y.
Filed September 30, 1941. Serial No. 447,435. PUBLISHED DECEMBER 23, 1941. Class 36.

393,794. PRESERVED DRAINED PEEL MADE FROM PAPAYA FRUIT. CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook, N. J.
Filed October 1, 1941. Serial No. 447,454. PUBLISHED DECEMBER 23, 1941. Class 46.

393,795. ARTICLES OF FURNITURE—NAMELY, CHAIRS, DAVENPORTS, CHAISES LONGUES, FOOTSTOOLS, BENCHES, SETTEES, OTTOMANS, SOFAS, AND LOVE SEATS. CENTRAL PARLOR FRAME MFG. CO., INC., Chicago, Ill.
Filed October 3, 1941. Serial No. 447,507. PUBLISHED DECEMBER 23, 1941. Class 32.

393,796. PILE FABRICS IN THE PIECE CONTAINING WOOL AND MOHAIR IN THE PILE. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 4, 1941. Serial No. 447,538. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,797. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 4, 1941. Serial No. 447,542. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,798. ARTIFICIAL SILK IN THE PIECE. SOUTHERN BRIGHTON MILLS, Shannon, Ga.
Filed October 4, 1941. Serial No. 447,549. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,799. ARTIFICIAL SILK IN THE PIECE. SOUTHERN BRIGHTON MILLS, Shannon, Ga.
Filed October 4, 1941. Serial No. 447,550. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,800. FERROUS AND NON-FERROUS METAL FORGINGS. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed October 7, 1941. Serial No. 447,601. PUBLISHED DECEMBER 23, 1941. Class 14.

393,801. TABLECLOTHS, NAPKINS, KITCHEN TOWELS AND TOWELING. STARTEX MILLS, Tucapau, S. C.
Filed October 8, 1941. Serial No. 447,623. PUBLISHED DECEMBER 2, 1941. Class 42.

393,802. FABRICS OF SILK AND SILK MIXTURES IN THE PIECE. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,686. PUBLISHED DECEMBER 2, 1941. Class 42.

393,803. WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,687. PUBLISHED DECEMBER 2, 1941. Class 42.

393,804. WOVEN KNITTED, NETTED, TEXTILE AND PILE FABRICS IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,688. PUBLISHED DECEMBER 2, 1941. Class 42.

393,805. FABRICS OF SILK AND SILK MIXTURES IN THE PIECE. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,689. PUBLISHED DECEMBER 2, 1941. Class 42.

393,806. FABRICS OF SILK AND SILK MIXED IN THE PIECE. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,690. PUBLISHED DECEMBER 2, 1941. Class 42.

393,807. FABRICS OF SILK AND SILK MIXED IN THE PIECE. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,691. PUBLISHED DECEMBER 2, 1941. Class 42.

393,808. FABRICS OF SILK AND SILK MIXTURES IN THE PIECE. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,692. PUBLISHED DECEMBER 2, 1941. Class 42.

393,809. WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRIC IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,694. PUBLISHED DECEMBER 2, 1941. Class 42.

393,810. RAW POP CORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed October 13, 1941. Serial No. 447,717. PUBLISHED DECEMBER 23, 1941. Class 46.

393,811. FRESH CELERY. DON L. BATES & SON, Middletown, N. Y.
Filed October 13, 1941. Serial No. 447,719. PUBLISHED DECEMBER 23, 1941. Class 46.

393,812. GAME PLAYED ON A BOARD WITH AN ATTACHED BUT MOVABLE PIECE. MATTHEW F. LATHERS, Orlando, Fla.
Filed October 13, 1941. Serial No. 447,743. PUBLISHED DECEMBER 23, 1941. Class 22.

393,813. GLASS BOTTLES. THE LIBERTY GLASS COMPANY, Sapulpa, Okla.
Filed October 13, 1941. Serial No. 447,745. PUBLISHED DECEMBER 23, 1941. Class 33.

393,814. CANNED PEAS. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed October 13, 1941. Serial No. 447,754. PUBLISHED DECEMBER 23, 1941. Class 46.

393,815. SHEETS, SHEETING, PILLOW CASES, PILLOW TUBING, TICKING, TICKS, AND BEDSPREADS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed October 15, 1941. Serial No. 447,796. PUBLISHED DECEMBER 9, 1941. Class 42.

393,816. DENTAL X-RAY FILMS. ESTHER HERMAN, doing business as The Dentists' X-Ray Film Co., New York, N. Y.
Filed October 15, 1941. Serial No. 447,806. PUBLISHED DECEMBER 23, 1941. Class 26.

393,817. COTTON, RAYON, AND WOOLEN FABRICS. CRAMERTON MILLS, INC., Cramerton, N. C.
Filed October 16, 1941. Serial No. 447,838. PUBLISHED DECEMBER 9, 1941. Class 42.

393,818. ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed October 16, 1941. Serial No. 447,840. PUBLISHED DECEMBER 9, 1941. Class 21.

393,819. GLASSWARE—NAMELY, CENTER PIECES, BOWLS, BONBON DISHES, RELISH DISHES, AND PLATES. CENTURY METALCRAFT CORPORATION, Chicago, Ill.
Filed October 17, 1941. Serial No. 447,868. PUBLISHED DECEMBER 23, 1941. Class 33.

393,820. GLASSWARE—NAMELY, CENTER PIECES, BOWLS, BONBON DISHES, RELISH DISHES, AND PLATES. CENTURY METALCRAFT CORPORATION, Chicago, Ill.
Filed October 17, 1941. Serial No. 447,869. PUBLISHED DECEMBER 23, 1941. Class 33.

393,821. BLEND OF PROTEINS, VITAMINS, IODINE, AND MINERALS USED IN THE PREPARATION OF POULTRY RATIONS, TURKEY AND DUCK FEED, HOG CONCENTRATES, DOG AND FOX FEEDS, PIG MEAL, AND DAIRY RATION CONCENTRATES. LACTO-VEE PRODUCTS CO., Dayton and New Carlisle, Ohio.
Filed October 18, 1941. Serial No. 447,913. PUBLISHED DECEMBER 16, 1941. Class 46.

393,822. ELECTRIC MOTORS. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif.
Filed October 18, 1941. Serial No. 447,919. PUBLISHED DECEMBER 9, 1941. Class 21.

393,823. COAL STOKERS, OIL BURNERS, OIL BURNING AIR CONDITIONING FURNACES, AND COAL FURNACES. CONCO CORPORATION, Mendota, Ill.
Filed October 20, 1941. Serial No. 447,933. PUBLISHED DECEMBER 23, 1941. Class 34.

393,824. FRESH CITRUS FRUIT. SAN FERNANDO CITRUS ASSOCIATION, San Fernando, Calif.
Filed October 20, 1941. Serial No. 447,955. PUBLISHED DECEMBER 16, 1941. Class 46.

393,825. VEGETABLE JUICES. SEEMAN BROTHERS, INC., New York, N. Y.
Filed October 20, 1941. Serial No. 447,957. PUBLISHED DECEMBER 23, 1941. Class 46.

393,826. ELECTRIC FANS. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed October 21, 1941. Serial No. 447,991. PUBLISHED DECEMBER 9, 1941. Class 21.

393,827. METAL WORKING MACHINERY AND TOOLS, COMPRISING DIES, PUNCHES, DIE RETAINERS, ETC. ALLIED PRODUCTS CORPORATION, Detroit, Mich.
Filed October 22, 1941. Serial No. 447,992. PUBLISHED DECEMBER 9, 1941. Class 23.

393,828. LIGHT-SENSITIVE DIAZOTYPE PAPERS, CLOTHS, FILMS, ETC. FOR MACHINES FOR PHOTOPRINTING THEREON, MACHINES FOR DEVELOPING THE PHOTOPRINTS THUS PRODUCED AND PARTS OF SUCH MACHINES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed October 22, 1941. Serial No. 448,001. PUBLISHED DECEMBER 23, 1941. Class 26.

393,829. DOG FOOD. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed October 22, 1941. Serial No. 448,007. PUBLISHED DECEMBER 23, 1941. Class 46.

393,830. MEMBERS SUBJECT TO ABRASION IN GRINDING APPARATUS, COMPRISING ROLLERS FOR ROLLER-MILLS, LINER PLATES AND BULL-RINGS OR GRINDING RINGS FOR MILLS. COMBUSTION ENGINEERING COMPANY, INC., New York, N. Y., doing business as Raymond Pulverizer Division, Combustion Engineering Company, Inc., Chicago, Ill.
Filed October 24, 1941. Serial No. 448,075. PUBLISHED DECEMBER 23, 1941. Class 23.

393,831. HIGHLY CONVERTED CORN SYRUP. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed October 25, 1941. Serial No. 448,094. PUBLISHED DECEMBER 23, 1941. Class 46.

393,832. PHONOGRAPH STYLI. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed October 25, 1941. Serial No. 448,114. PUBLISHED DECEMBER 23, 1941. Class 36.

393,833. PASSENGER CARRYING AUTOMOBILES. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio.
Filed October 25, 1941. Serial No. 448,124. PUBLISHED DECEMBER 23, 1941. Class 19.

393,834. GAS AND ELECTRIC RANGES. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 27, 1941. Serial No. 448,132. PUBLISHED DECEMBER 23, 1941. Class 34.

393,835. GAME OF CHANCE PLAYED WITH DICE AND A DICE CONTAINER. PARKER BROTHERS INC., Portland, Maine, and Salem, Mass.
Filed October 28, 1941. Serial No. 448,205. PUBLISHED DECEMBER 23, 1941. Class 22.

393,836. ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT INDUSTRIAL FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed October 30, 1941. Serial No. 448,246. PUBLISHED DECEMBER 23, 1941. Class 21.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

393,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y.

Devils Food Sandwich

Filed Dec. 9, 1939. Serial No. 426,422.
FOR CAKE.
Claims use since Mar. 17, 1938.

393,838. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. PAILLARD & CIE, SOCIÉTÉ ANONYME, Yverdon, Switzerland. Filed Apr. 5, 1940. Serial No. 430,419.

"PAILLARD"

FOR CAMERAS OF ALL TYPES, INCLUDING CAMERAS FOR MAKING SILENT AND SOUND MOVING PICTURES, MISCELLANEOUS PARTS, AND ACCESSORIES THEREFOR; EPIDIASCOPES, METERS, AND PHOTOGRAPHIC SUPPLIES INCLUDING DEVELOPING VESSELS, FILM CEMENT, PASTING PRESSES, BOXES, BOBBINS, DARK SLIDES, FILM-MOUNTING IMPLEMENTS, FINDERS, FOCUSSING IMPLEMENTS, ENLARGING APPARATUS, COPYING APPARATUS, RE-WINDERS, WIRE-RELEASERS, LENSES, OBJECT GLASSES, TELEMETERS, VIEW FINDERS, FILTERS, MICROSCOPES, MIRRORS FOR CINEMATOGRAPHIC APPARATUS, REFLECTORS, PHOTOMETERS, SENSITIZED FILMS, SENSITIZED FILM PLATES, SENSITIZED PHOTOGRAPHIC PAPER; ILLUMINATING LAMPS FOR USE IN PROJECTORS, PRINTING MACHINES, AND ENLARGING APPARATUS; PROJECTION-FOLDING SCREENS, CAMERA STANDS, AND PROJECTOR STANDS.
Claims use since Jan. 1, 1931.

393,839. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NU-VISION OPTICAL COMPANY, Flint, Mich. Filed Oct. 21, 1940. Serial No. 437,142.

Your Eyesight Comes First
NU-VISION
OPTICAL COMPANY

FOR OPHTHALMIC LENSES, EYEGLASSES, FRAMES, MOUNTINGS, TEMPLES, AND ENDS.
Claims use since Oct. 4, 1939.

393,840. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARTISTIC LAMP MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 2, 1940. Serial No. 438,428.

WELLINGTON CHINA

FOR PORTABLE ELECTRIC LAMPS.
Claims use since Nov. 19, 1940.

393,841. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Dec. 5, 1940. Serial No. 438,558.

CINEMATIC

FOR CAMERAS, MOVING PICTURE PROJECTORS, AND MOVING PICTURE CAMERAS.
Claims use since Oct. 23, 1940.

393,842. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 13, 1941. Serial No. 439,635.

PURE BRISTLE
WORKRITE
HIGH QUALITY

FOR PAINT BRUSHES.
Claims use since Feb. 8, 1939.

393,843. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ALLEN SAWYER AND EDWIN B. MILLER, doing business as Nixon, Stuart & Barker, Peoria, Ill. Filed Feb. 13, 1941. Serial No. 440,636.

Glanshaps

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Jan. 16, 1941.

393,844. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VINCENT MALALANA, doing business as Phast Products, New York, N. Y. Filed Feb. 25, 1941. Serial No. 440,991.



FOR CLEANING POLISH FOR AUTOMOBILES AND FURNITURE.
Claims use since Jan. 2, 1941.

393,845. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) COSMETIC AIDS, INC., New York, N. Y. Filed Mar. 10, 1941. Serial No. 441,390.



FOR COSMETIC REMOVING PADS.
Claims use since Oct. 8, 1940.

393,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN VIVAUDOU COMPANY, INC., New York, N. Y. Filed May 8, 1941. Serial No. 443,382.

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FOR ROUGE, LIPSTICK, FACE CREAM, FACE POWDER, COLOGNES, POT POURRI, DUSTING POWDER, PERFUMES, TALCUM POWDER, PERFUME CONCENTRATES, TOILET WATER, BATH SALTS, BATH ESSENCE, BATH SACHETS, SACHET HEARTS, SACHET PILLOWS, SACHET BRACELETS, SACHET PARASOL BASKETS, SACHET SCARECROWS, SACHET HANGERS, SACHET BASKETS, SACHET BAGS, SACHET BALLS, SACHET NECKLACES, PERFUMED BATH SPONGES, PERFUMED DRAWER LINERS.
Claims use since 1935.

393,847. (CLASS 37. PAPER AND STATIONERY.) PARSONS PAPER COMPANY, Holyoke, Mass. Filed Oct. 27, 1941. Serial No. 448,164.

DURABLE

FOR LEDGER AND BOND PAPERS.
Claims use since Apr. 27, 1934.

393,848. (CLASS 12. CONSTRUCTION MATERIALS.) HEBER CLARK VANDAVEER, doing business as The Erath Company, Arlington, Tex. Filed Nov. 18, 1941. Serial No. 448,744.



FOR INSULATED BRICK, FIRE-BRICK, PLASTER, PLASTIC, CONCRETE, AND TILE; STRUCTURAL BRICK, TILE, AND ARTIFICIAL STONE; AND CEMENT PRODUCTS—NAMELY, PLASTER, STUCCO COATINGS, TILE, BRICK, STONE, PIPE, AND CONCRETE AGGREGATE.
Claims use since Jan. 1, 1940.

393,849. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MORRIS WHITE FASHIONS, INC., New York, N. Y. Filed

WHIT CORD

Dec. 27, 1941. Serial No. 449,815.
FOR LADIES' HANDBAGS.
Claims use since Aug. 1, 1940.

393,850. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COOK LABORATORIES, INC., New York, N. Y. Filed Jan. 2, 1942. Serial No. 449,954.

COOK LABORATORIES, INC.

FOR HYPODERMIC NEEDLES AND SYRINGES.
Claims use since Aug. 31, 1923.

TRADE-MARK REGISTRATIONS RENEWED

144,703. **ANATOX.** PREPARATION FOR DESTROYING PARASITES AND FOR TREATING DISEASES IN ANIMALS AND PLANTS. Registered July 19, 1921. THOMAS BIGG LIMITED, London, England. Renewed July 19, 1941, to William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

151,068. **TRANSOLOID.** CERTAIN NAMED INDEXES AND FILING DEVICES. Registered January 24, 1922. AMERICAN KARDEX COMPANY, Tonawanda, N. Y. Renewed January 24, 1942, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

151,223. **LINCOLN.** COAL. Registered January 24, 1922. C. L. RYLEY COAL COMPANY, Lexington, Ky. Renewed January 24, 1942, to Hatfield Campbell Creek Coal Company, Plymouth, West Virginia, a corporation of Ohio, assignee by mesne assignments.

151,264. **REPRESENTATION OF BACCHANTE.** FERMENTED LIQUORS AND SPIRITS. Registered January 24, 1922. TOLLEMACHE'S IPSWICH BREWERY LIMITED. Renewed January 24, 1942, to Tollemache's Breweries Ltd., Ipswich, England, an organized company of Great Britain, successor.

151,336. **O. O. D.** READY-MIXED PAINTS. Registered January 31, 1922. JOHN W. HOWLAND, Middleton, Idaho. Renewed January 31, 1942, to John W. Howland, Denver, Colo.

151,366. **BEAUTY.** CLOTHESLINES. Registered January 31, 1922. TRIBBLE CORDAGE MILLS INC., Boston, Mass. Renewed January 31, 1942, to Tribble Cordage Mills, Inc., Woburn, Mass., a corporation of Maine.

151,441. **"BY".** ELECTRIC-LIGHTING FIXTURES, ELECTRIC SADIRONS, AND ELECTRIC BATTERIES. Registered February 7, 1922. ROBERT J. BYINGTON, San Francisco, California. Renewed February 7, 1942.

151,489. **SPRAGUELETS.** OUTLET BOXES AND FITTINGS. Registered February 7, 1922. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Renewed February 7, 1942.

151,544. **PYOKTANIN.** A MEDICINAL DYE IN THE FORM OF POWDER, CRYSTALS, TABLETS, AND PENCILS. Registered February 7, 1922. MERCK & Co., New York, N. Y. Renewed February 7, 1942, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

151,663. **FAVORITA.** UNSWEETENED EVAPORATED MILK. Registered February 14, 1922. AMERICAN MILK PRODUCTS CORPORATION. Renewed February 14, 1942, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

151,786. **NANTICOKE.** CATSUP AND CHILI SAUCE. Registered February 14, 1922. GREENABAUM BROS., INC., Seaford, Delaware. Renewed February 14, 1942, to E. Pritchard, Inc., Bridgeton, N. J., a corporation of New Jersey, assignee.

151,885. **TRUMPET.** ICE-CREAM CONES. Registered February 14, 1922. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed February 14, 1942, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

152,156. **DU PONT.** DYESTUFF INTERMEDIATES. Registered February 21, 1922. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Delaware, a corporation of Delaware. Renewed February 21, 1942.

152,230. **FORMIN.** HEXAMETHYLENAMINE IN THE FORM OF POWDER AND TABLET. Registered February 21, 1922. MERCK & Co., New York, N. Y. Renewed February 21, 1942, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

152,260. **PROTON.** A GENERAL TONIC. Registered February 21, 1922. CAMILLO ROCCHIETTA, Pinerolo, Italy. Renewed February 21, 1942, to Camillo Rocchietta, Turin, Italy.

152,653. **CHALET.** SWISS CHEESE. Registered March 7, 1922. ALPINA CHEESE Co., Burgdorf, Switzerland, a corporation of Switzerland. Renewed March 7, 1942.

152,696. **BUFFALO.** CERTAIN NAMED HEATING AND VENTILATING SYSTEMS AND PARTS THEREOF. Registered March 7, 1922. BUFFALO FORGE COMPANY, Buffalo, N. Y., a corporation of New York. Renewed March 7, 1942.

152,854. **RELIANCE.** EXTRACTS AND FLAVORING SIRUPS FOR SOFT DRINKS AND ROOT BEER. Registered March 7, 1922. LANGLEY & MICHAELS CO., San Francisco, California. Renewed March 7, 1942, to McKesson & Robbins, Inc., New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

152,988. **TAVAN.** WATCHES, WATCH MOVEMENTS, DIALS, AND CASES. Registered March 7, 1922. ADOLPHE SCHWOB, INC., New York, N. Y. Renewed March 7, 1942, to Tavannes Watch Co., Tavannes, Switzerland, a corporation of Switzerland, assignee.

153,021. **ZENITH.** GASOLINE AND MOTOR-FUEL OILS. Registered March 7, 1922. THE TEXAS COMPANY, Houston, Texas, and New York, N. Y. Renewed March 7, 1942, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

153,277. **TACK HOLE.** METALLIC CARTRIDGES. Registered March 14, 1922. THE PETERS CARTRIDGE COMPANY, Cincinnati, Ohio. Renewed March 14, 1942, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware, assignee.

153,513. **RHODES' COLOSSUS.** HOUSE ORGAN PUBLISHED EVERY TWO MONTHS. Registered March 21, 1922. JAMES H. RHODES & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 21, 1942.

153,655. **SKINCHARM.** FACE CREAM. Registered March 28, 1922. ELIZAVETA BAJANOVA, New York, N. Y. Renewed March 28, 1942.

153,672. **BUFFALO.** AIR AND GAS FILTERS, LIQUID FILTERS, AND FILTER PRESSES. Registered March 28, 1922. BUFFALO FORGE COMPANY, Buffalo, N. Y., a corporation of New York. Renewed March 28, 1942.

153,739. **SLEEP INSURANCE.** INSECTICIDES FOR FLIES, MOSQUITOES, AND OTHER INSECT PESTS. Registered March 28, 1922. THE GROOVER-STEWART DRUG COMPANY, Jacksonville, Fla. Renewed March 28, 1942, to McKesson & Robbins, Inc., New York, N. Y., a corporation of Maryland, assignee.

154,097. **PEROXOIDS.** TABLETS FOR PREPARING HYDROGEN-PEROXIDE SOLUTION. Registered April 4, 1922. MERCK & Co., New York, N. Y. Renewed April 4, 1942, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

154,165. **NADIR.** CYLINDER OILS. Registered April 4, 1922. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed April 4, 1942, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

154,505. **BARBARA BROWN.** SHOES FOR WOMEN, MADE OF LEATHER. Registered April 18, 1922. BROWN SHOE COMPANY, INC., St. Louis, Mo., a corporation of New York. Renewed April 18, 1942.

154,510. **REPRESENTATION OF BOY AND GIRL CARRYING A PAIL.** CHILDREN'S CLOTHING—NAMELY, SUITS AND OVERALLS. Registered April 18, 1922. RALPH S. CARY & CO. INC. Renewed April 18, 1942, to Cary & Company, Inc., Binghamton, N. Y., a corporation of New York, by change of name.

154,520. **AUNT POLLY'S.** LEATHER, RUBBER AND LEATHER, FABRIC AND LEATHER, BOOTS, SHOES, AND SLIPPERS. Registered April 18, 1922. W. B. COON Co., Rochester, N. Y., a corporation of New York. Renewed April 18, 1942.

154,590. **NATIONAL PARK.** BOOTS AND SHOES OF LEATHER. Registered April 18, 1922. THE JUVENILE SHOE CORPORATION OF AMERICA, Carthage, Mo. Renewed April 18, 1942, to The Juvenile Shoe Corporation of America, Aurora and St. Louis, Mo., a corporation of Missouri.

154,861. **ACCO.** CERTAIN CHAINS, LOOPS, RINGS AND HOOKS, AND STAPLES, BOLTS, CARGO-NETS, AND OTHER PRODUCTS. Registered May 16, 1922. AMERICAN CHAIN COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Renewed May 16, 1942, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York, by change of name.

154,874. **CAPITAL.** STEEL AND IRON IN CERTAIN FORMS, CERTAIN STEELS, AND STEEL CASTINGS, FORGINGS, AND STAMPINGS. Registered May 16, 1922. ARTHUR BALFOUR & Co. LIMITED, Sheffield, England, a British corporation. Renewed May 16, 1942.

154,980. **ELEFANTE.** LIQUID AND PASTE PAINTS, PAINT ENAMELS, AND VARNISHES. Registered May 16, 1922. IVOROID MIXED PAINT COMPANY, Newark, N. J., a corporation of New Jersey. Renewed May 16, 1942.

155,042. **HUMDINGER.** CANDIES. Registered May 16, 1922. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Renewed May 16, 1942, to NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey, successor.

155,062. **SPEEDWAY.** LUBRICATING OILS, GASOLINE, AND LUBRICATING GREASES. Registered May 16, 1922. RED "C" OIL MANUFACTURING Co., Baltimore, Md. Renewed May 16, 1942, to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

155,221. **AMERICAN BOY.** SAWS, SAW SETS, AND SCREW DRIVERS. Registered May 23, 1922. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 23, 1942.

155,283. **TAVANCO.** WATCHES AND WATCH MOVEMENTS, DIALS, AND CASES. Registered May 23, 1922. ADOLPHE SCHWOB, INC., New York, N. Y. Renewed May 23, 1942, to Tavannes Watch Co., Tavannes, Switzerland, a corporation of Switzerland, assignee.

155,722. **ISCO.** SOAP AND BENZENE SOAP. Registered June 6, 1922. INNIS, SPEIDEN & Co., INC. Renewed June 6, 1942, to Innis, Speiden & Co., New York, N. Y., a corporation of Delaware, assignee.

155,737. **CROWN.** A MEDICINAL POWDER FOR RHEUMATISM, GOUT, LUMBAGO, AND ALL MUSCULAR PAINS. Registered June 6, 1922. MARTIN C. KOPF, Milwaukee, Wis. Renewed June 6, 1942.

155,798. **KITRAB.** MEDICINE FOR GOITER. Registered June 6, 1922. ANNA PLOTZ, Chicago, Ill. Renewed June 6, 1942.

155,807. **HONOR BRIGHT.** BOYS' BLOUSES, SHIRTS, AND PLAY SUITS. Registered June 6, 1922. RELIANCE MANUFACTURING COMPANY. Renewed June 6, 1942, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

155,857. **"CORSO".** SNAP FASTENERS AND PLACKET FASTENERS. Registered June 6, 1922. WALDES & Co. INC., New York and Long Island City, N. Y. Renewed June 6, 1942, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee.

155,858. **RIVAL.** CERTAIN NAMED NOTIONS. Registered June 6, 1922. WALDE & Co. INC., New York and Long Island City, N. Y. Renewed June 6, 1942, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee.

155,941. **WESTMADE.** CANNED FRUITS. Registered June 13, 1922. CALIFORNIA CO-OPERATIVE CANNERIES, San Jose, Calif. Renewed June 13, 1942, to Tri-Valley Packing Association, San Francisco, Calif., a corporation of California, assignee.

155,942. **NATURMADE.** CANNED FRUITS. Registered June 13, 1922. CALIFORNIA CO-OPERATIVE CANNERIES, San Jose, Calif. Renewed June 13, 1942, to Tri-Valley Packing Association, San Francisco, Calif., a corporation of California, assignee.

156,044. **GONOSAN.** MEDICINAL PREPARATIONS FOR USE IN GONORRHEA AND ITS COMPLICATIONS AND GENITO-URINARY INFLAMMATIONS. Registered June 13, 1922. RIEDEL & Co., INC., New York, N. Y. Renewed June 13, 1942, to Riedel & Co., Inc., Brooklyn, New York, a corporation of New York, assignee by mesne assignments.

156,073. **TUCORK.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered June 13, 1922. TUCO PRODUCTS CORPORATION, New York, N. Y., a corporation of New York. Renewed June 13, 1942.

156,249. **GOTHDALE.** CERTAIN ARTICLES OF CLOTHING. Registered June 20, 1922. FRANKLIN SIMON & Co. INC. Renewed June 20, 1942, to Franklin Simon & Co., Inc., New York, N. Y., a corporation of New York, assignee.

156,293. **HANDI NET.** HAIR NETS. Registered June 20, 1922. MOSES HERZOG, New York, N. Y. Renewed June 20, 1942.

156,355. **MOXIE.** CANDIES. Registered June 20, 1922. THE MOXIE COMPANY. Renewed June 20, 1942, to The Moxie Company, Boston, Mass., a corporation of Massachusetts, assignee.

156,580. **A.** REFRIGERATING SYSTEMS AND PARTS THEREOF. Registered July 4, 1922. THE AUTOMATIC REFRIGERATING Co., Hartford, Conn., a corporation of New Jersey. Renewed June 20, 1942.

156,610. **THE AMERICAN LAUNDRY MACHINERY CO.** CERTAIN NAMED LAUNDRY APPLIANCES AND MACHINES. Registered July 11, 1922. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood, Ohio, a corporation of Ohio. Renewed June 20, 1942.

156,679. **SUNDALE.** TOMATO CATCHUP, CHILI SAUCE, AND CANNED PORK AND BEANS. Registered July 11, 1922. GREENABAUM BROS. INC., Seaford, Del. Renewed July 11, 1942, to E. Pritichard, Inc., Bridgeton, N. J., a corporation of New Jersey, assignee.

156,695. **K & O.** CERTAIN NAMED JEWELRY. Registered July 11, 1922. KATZ & OOUSH, INC., New York, N. Y., a corporation of New York. Renewed July 11, 1942.

156,875. **LUCILLE.** CHOCOLATES. Registered July 18, 1922. HEIDELBERGER CONFECTIONERY Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 18, 1942.

156,881. **GRAPE WHIP.** A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MANUFACTURING SAID BEVERAGE. Registered July 18, 1922. HURTY-PECK & COMPANY, Indianapolis, Indiana, a corporation of Indiana. Renewed July 18, 1942.

156,884. **WINTER GOLD.** COFFEE. Registered July 18, 1922. THE JOHNSON-LAYNE COFFEE COMPANY. Renewed July 18, 1942, to Norwine Coffee Company, St. Louis, Mo., a corporation of Missouri, assignee.

156,895. **7 SEAS.** COFFEE. Registered July 18, 1922. NASH COFFEE COMPANY. Renewed July 18, 1942, to Nash-Finch Company, Minneapolis, Minn., a corporation of Delaware, successor.

156,896. **SQUEEZE.** FLAVORING EXTRACTS FOR NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. Registered July 18, 1922. NATIONAL FRUIT FLAVOR CO. Renewed July 18, 1942, to National Fruit Flavor Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

156,907. **E. M. TODD CO. HAM.** Registered July 18, 1922. PATRICK YOUNG COMPANY. Renewed July 18, 1942, to E. M. Todd Company, Inc., Richmond, Va., a corporation of Virginia, assignee.

156,927. **TUXEDO.** LADIES' HATS. Registered July 18, 1922. HARRY SOLOMONS & SON, New York, N. Y., a firm. Renewed July 18, 1942.

REISSUES

MARCH 3, 1942

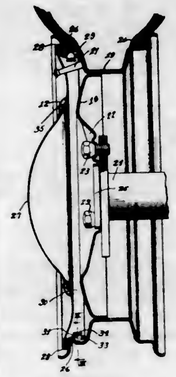
22,042

ORNAMENTAL RING FOR DISK WHEELS

George Albert Lyon, Allenhurst, N. J.

Original No. 2,102,470, dated December 14, 1937, Serial No. 744,758, September 20, 1934. Application for reissue October 6, 1939, Serial No. 298,224

14 Claims. (Cl. 301—37)



11. The combination with a vehicle wheel of an ornamental member having a plurality of spaced projections thereon, said member comprising a hollow circular shell and being attached directly to a load bearing part of the wheel by engagement therewith with the load bearing part projecting into the interior of the shell, and a circular member demountably attached to said ornamental member by resilient snap-on engagement with certain of said projections, said circular member comprising a ring of curved cross section with its radially inner marginal edge provided with retaining means for cooperation with the other member.

22,043

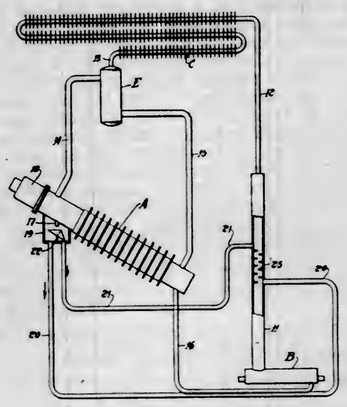
REFRIGERATION

Rudolph S. Nelson, Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Original No. 2,167,903, dated August 1, 1939, Serial No. 94,936, August 8, 1936. Application for reissue January 22, 1941, Serial No. 375,480

19 Claims. (Cl. 62—119.5)

1. An absorption refrigeration system comprising a boiler, an analyzer, a condenser, an evaporator, and an absorber connected in circuit, said circuit including means for the circulation of absorption solution between said boiler and said absorber, said circuit being characterized by the provision of means for delivering independent streams of absorption solution to said analyzer at spaced points therealong whereby the analyzing effect of said independent streams upon the fluids



in said analyzer is distributed over different portions of said fluids.

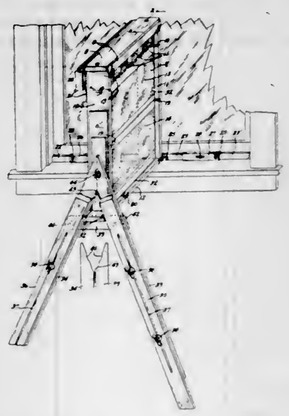
22,044

OBSERVATION UNIT FOR BEES OR THE LIKE

Donald E. O'Beirne, Waukesha, Wis.

Original No. 2,170,210, dated August 22, 1939, Serial No. 224,889, August 15, 1938. Application for reissue August 2, 1941, Serial No. 405,222

16 Claims. (Cl. 6—1)



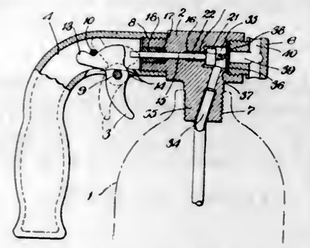
1. A bee observation unit, comprising, a bee confining cage having an observation opening therethrough, an elongated sill adapter secured to one end of the cage and formed for disposition between a window and its sill, and a support at the opposite end of said cage.

22,045
HIGH PRESSURE FLUID MEDIUM CONTAINER AND CONTROL VALVE THEREFOR

Archie Towart, Jr., West Caldwell, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Original No. 2,258,869, dated October 14, 1941, Serial No. 193,713, March 3, 1938. Application for reissue December 13, 1941, Serial No. 422,888
8 Claims. (Cl. 221—73.5)

1. In combination, a container adapted to releasably store a fluid medium under pressure, a valve body secured to the container having an inlet passage, a valve chamber, and a discharge passage, safety release means closing said valve chamber and including a fluid medium passage, adapted to release the fluid medium upon its attaining a predetermined unsafe pressure, a seat formed between said discharge passage and valve chamber, a freely movable compressible valve disc in said valve chamber, normally not seated and adapted upon fluid medium being introduced under high pressure through the discharge passage for the purpose of recharging to be thrown against said safety release means, permitting free entry of the fluid medium into the container, and further adapted upon cessation of the recharging pressure through the discharge passage to be seated and retained upon said seat by



means of the pressure of the fluid medium now within the container, means to prevent entry of the compressible valve disc into the fluid medium passage of the safety release means, and means to unseat said valve disc normally out of contact therewith.

PLANT PATENTS

GRANTED MARCH 3, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

504
ROSE

Josephine D. Brownell, Little Compton, R. I.

Application June 23, 1941, Serial No. 399,294
1 Claim. (Cl. 47—61)

The rose variety substantially as shown and described, characterized by its new and distinct constitution, including resistance to winter injury, its intensity and continuity of florescence, its long keeping character of the color of its petals and the form of its petals and the form of the flower, variable within certain definite limits, its color varying from vermillion, flame, to peach and coral, overlaid with nasturtium, all in association with its habit of branching from bloom stems and from the base and blooming in hybrid tea manner, and its degree of freedom from premature defoliation by black-spot during the growing season.

505
ROSE

Josephine D. Brownell, Little Compton, R. I.

No Drawing. Application June 23, 1941, Serial No. 399,421
1 Claim. (Cl. 47—61)

The hardy reblooming *Rosa wichuraiana* climbing rose sport variety characterized by the characteristics of the variety Copper Glow with the additional character of intensive constant reboom until frost.

PATENTS

GRANTED MARCH 3, 1942

2,274,632
PROCESS FOR PURIFYING SYNTHETIC SOAPS

John J. Owen, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 19, 1938, Serial No. 241,331
12 Claims. (Cl. 260—452)

5. Process for the preparation of improved synthetic fatty acids comprising heating an aqueous solution of soaps of crude synthetic fatty acids with about 0.5 to 3.0% by weight of a hydrosulfite until the color of the solution is substantially reduced, then acidifying the solution with a dilute mineral acid and separating improved synthetic fatty acids of light color therefrom.

2,274,633
CATALYTICALLY TREATING HYDROCARBONS

Edgar C. Pitzer, Chicago, Ill., and Llewellyn Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application February 21, 1940, Serial No. 320,158
13 Claims. (Cl. 196—50)

11. The method of making a hydrocarbon conversion catalyst which comprises treating amalgamated aluminum with a dilute solution of acetic acid containing chromic acid, heating the resulting solution and drying the product.

2,274,634
CATALYTIC CONVERSION PROCESS

Llewellyn Heard, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 29, 1940, Serial No. 354,729
9 Claims. (Cl. 196—52)

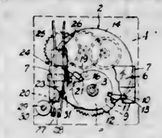
1. The method of converting hydrocarbon oils which comprises subjecting said oils at conversion temperature to the action of a solid hydrocarbon conversion catalyst of great physical strength and high activity prepared by coagulating with an electrolyte a stable alumina sol resulting from the action of water on amalgamated aluminum metal thereby producing a firm, substantially transparent, vibrant gel, separating the resulting gel from the solution and drying the gel to produce the desired catalyst in the form of a hard, granular, translucent, solid material.

2,274,635
TIMER

Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware

Application August 2, 1940, Serial No. 349,682
6 Claims. (Cl. 161—23)

1. A timing mechanism comprising clockwork, a main shaft therefor, means for rotating said shaft and winding the clockwork, a pair of contacts one of which is resilient and normally tends to move away from the other, a pivotally mounted arm adapted to move the resilient contact into contact with the other as it moves in one direction about its pivot, and a pair of slotted discs on said shaft one of which may rotate relative to the other as the shaft turns, a part of said arm normally resting in said slots and adapted to be

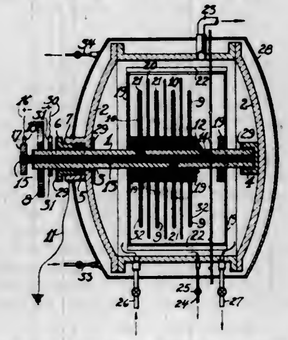


forced out of said slots as the clockwork is wound and close said contacts and to reenter said slots at the end of a predetermined time and allow the contacts to separate.

2,274,636
ELECTRODES FOR VOLTOLIZATION

Roger W. Richardson, Westfield, and George L. Matheson, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 21, 1938, Serial No. 230,936
7 Claims. (Cl. 204—312)



1. An apparatus for subjecting thin films of carbonaceous liquid to the action of silent electric discharges comprising a source of high frequency alternating current, a plurality of separated conducting electrode plates having smooth parallel discharge surfaces, a non-conducting plate interposed between each pair of said electrode plates, means for connecting alternate electrode plates with the source of alternating current to form discharges between each pair of plates, a continuous, uniform, substantially flexible coating film of clear air-dried and baked baking varnish over the discharge surfaces of each of said electrode plates, said coating film having a low electric resistance, and means for bringing the carbonaceous liquid onto said varnish coatings so that the carbonaceous liquid spreads out as an even film over said coatings.

2,274,637
FLUX AND ROD FOR BRAZE WELDING

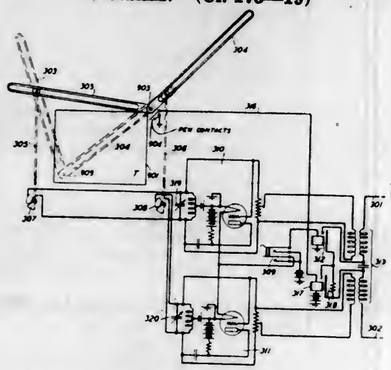
Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, Astoria, Long Island, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 5, 1940, Serial No. 322,346
7 Claims. (Cl. 219—8)

1. A flux for braze or bronze welding, which

by proximate analysis is comprised predominantly of B_2O_3 and SiO_2 and contains of the sum of these ingredients 70%–98% B_2O_3 and 2%–30% SiO_2.

2,274,638
TELAUTOGRAPH SYSTEM
Victor E. Rosene, Jamaica, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,455
8 Claims. (Cl. 178—19)



STATION A

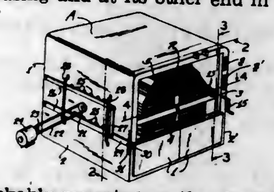
1. A telautograph system comprising a receiver having a scribing point, an electrostatic capacity, means whereby said capacity is varied as the scribing point moves in one direction of a coordinate system, means for establishing the frequency of an alternating current at said receiver by said capacity, means operable to transmit current of varying frequency from a transmitter, means for receiving said varying current at said receiver and producing under the control thereof a force for changing the capacity, which force is proportional to the instantaneous difference of the transmitted current and the frequency of alternating current established at said receiver.

2,274,639
PROCESS FOR THE PRODUCTION OF HYDROCARBONS
Arno Scheuermann, Klaus Meisenheimer, and Arnold Kotzschmar, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
No Drawing. Application March 1, 1940, Serial No. 321,692. In Germany February 11, 1939
8 Claims. (Cl. 260—449)

1. A process for the production of hydrocarbons with more than one carbon atom in the molecule by conversion of carbon monoxide with hydrogen in the presence of cobalt containing catalysts comprising working in the presence of cobalt containing catalysts, in the preparation of which a reducible cobalt compound is gradually precipitated from a solution of a cobalt salt during a period of at least 3 hours.

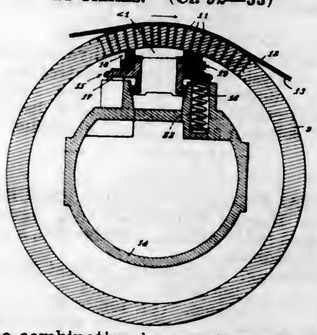
2,274,640
INCUBATOR
Clifford J. Smith, Lebanon, Mo.
Application October 28, 1940, Serial No. 363,089
6 Claims. (Cl. 119—37)

1. In an incubator comprising a housing including a front wall having a door opening therein, closure means swingably mounted on the housing for co-operation with the door opening, a horizontal beam extending across the door opening interiorly of the incubator, a horizontal shaft journaled at its one end adjacent the rear wall of the housing and at its other end in the beam,



a rack rockably mounted on the shaft having its center of gravity positioned above the shaft, vertically spaced blocks mounted upon a vertical side wall of the incubator and having obliquely presented faces for stopwise engaging the rack which is held thereagainst by its own weight, and means for rocking the rack from one position to another.

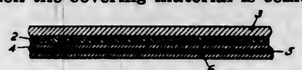
2,274,641
SUCTION ROLL
Ernest J. Abbott and John D. Kraus, Ann Arbor, Mich.; said Kraus assignor to said Abbott
Application February 7, 1938, Serial No. 189,043
14 Claims. (Cl. 92—53)



2. The combination in a suction roll of a perforate shell, a suction box, spaced normally stationary packing strips of relatively inelastic material acting between the suction box and the inner surface of the shell defining a suction chamber, each of said packing strips having a portion at the oncoming side thereof in contact with the inner surface of the shell to form a seal, the packing diverging from said surface toward the offgoing side thereof to provide a slender tapering vent passage of relatively great width with respect to thickness for controlling the flow of air with respect to the perforations and thereby prevent the production of sound.

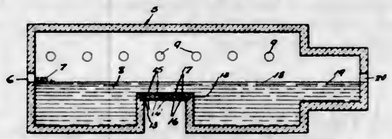
2,274,642
HARD SURFACE COVERING
Benjamin F. Adams, Lancaster, and Howard A. Johnson, Manheim Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 23, 1937, Serial No. 149,830
6 Claims. (Cl. 154—49)

1. A hard surface covering comprising a body sheet of partible fibrous material saturated with a moisture resistant substance and having a wearing surface integral with the upper surface thereof, and a sheet of unsaturated fibrous material possessing low resistance to rupture along laminar lines bonded to the other surface thereof by an interposed stratum of bonding material, the relative strength of the two sheets being such that, when the covering material is cemented to



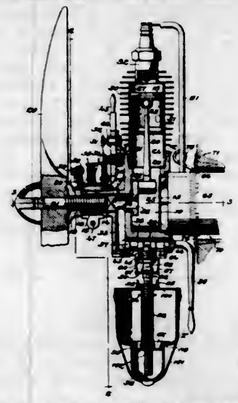
a nonpartible base with the unsaturated sheet disposed between the base and the body sheet, the unsaturated sheet, possessing lower resistance to rupture than the body sheet, may be readily ruptured to effect removal of the covering material from the base without parting of the body sheet.

2,274,643
FINING OF GLASS
Frederick W. Adams, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 19, 1939, Serial No. 310,002
4 Claims. (Cl. 49—77)



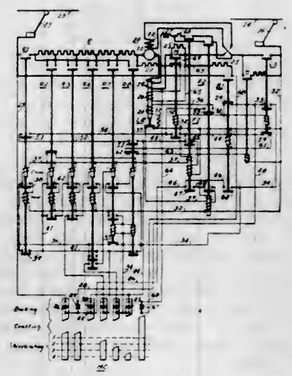
2. A process of removing gases and water vapor from glass, which comprises bubbling carbon monoxide gas through the glass the latter being molten and at a temperature above 2200 degrees F. until a brown coloration results, then bubbling an oxidizing gas through the glass to eliminate coloration and subsequently allowing the glass to stand quiescent until any bubbles contained therein can escape.

2,274,644
INTERNAL COMBUSTION ENGINE AND ADJUNCTS THEREFOR
Thomas R. Arden, Freeport, N. Y.
Application June 12, 1939, Serial No. 278,772
4 Claims. (Cl. 123—47)



2. An internal combustion engine comprising a cylinder, a crank-shaft, a piston reciprocable within said cylinder, said piston being open at its inner end and including a skirt and a head, the head having an outwardly tapering port therein, a sleeve reciprocable within said piston, said sleeve being open at its inner end and including a skirt and a head, an outwardly tapering valve carried by the head of said sleeve for cooperation with said port, abutment means carried by said piston to limit inward movement of said sleeve relative to said piston, spring means interposed between said abutment means and said sleeve and tending constantly to move said piston inwardly relative to said sleeve to close said valve, the head of said sleeve having openings therein for flow of gas from the interior of said sleeve to said port, a rod connecting said sleeve with said crank shaft, and abutment means fixed with respect to said cylinder to stop inward movement of the piston prior to the sleeve reaching its limit of inward movement, thus to cause opening of the valve.

2,274,645
MOTOR CONTROL SYSTEM
Bascum O. Austin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1940, Serial No. 347,690
8 Claims. (Cl. 172—179)

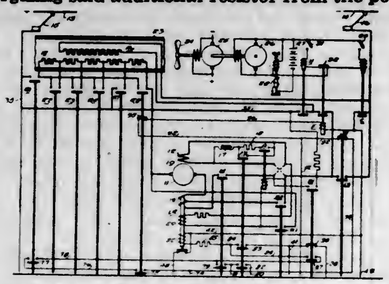


1. In a motor control system, the combination with a motor and a source of power therefor, of switching means for connecting the motor to the power source, a switch for shunting the field winding of the motor when the motor is connected to the power source, and a switch cooperating with said field shunting switch to establish dynamic braking connections for the motor by connecting the field winding and the armature winding of the motor in series-circuit relation through said field shunting switch.

2,274,646
MOTOR CONTROL SYSTEM
Bascum O. Austin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1940, Serial No. 357,387
10 Claims. (Cl. 172—179)

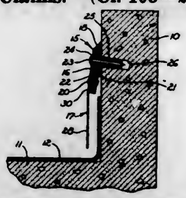
1. In a motor control system, in combination, a motor for propelling a vehicle, switching means for connecting the motor to a power source, additional switching means for establishing dynamic braking connections for the motor, a resistor for controlling the motor current during acceleration and dynamic braking of the vehicle, an additional resistor for controlling the field flashing

current during dynamic braking, and means for energizing said additional resistor from the power



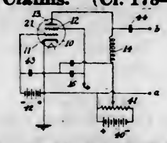
source independently of said switching means to heat the vehicle.

2,274,647
ROOF FLASHING
Richard T. Avard, San Gabriel, and Frank W. Herring, Long Beach, Calif.
Application October 30, 1939, Serial No. 301,934
7 Claims. (Cl. 108—26)



1. A roof flashing adapted for a wall above the edge of a roof covering, comprising: a relatively thick non-metallic strip for anchoring to said wall; and a metal flashing sheet having its upper edge underlying said strip, said flashing sheet being attached to said strip, said upper edge portion of said flashing sheet being bent away from said strip to define therewith and with said wall a space for sealing material to prevent water from flowing down the wall behind said sheet.

2,274,648
VARIABLE ELECTRONIC REACTANCE
Henry M. Bach, Woodmere, N. Y., assignor to Radio Patents Corporation, a corporation of New York
Application May 2, 1940, Serial No. 332,931
2 Claims. (Cl. 178—44)

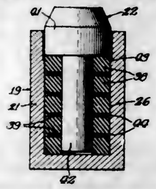


1. A voltage-operated adjustable condenser for use in alternating current circuits comprising an electron discharge tube provided with an equipotential cathode, an electrostatic control grid, an accelerating grid and a decelerating electrode, all arranged substantially in the order named, means for biasing said accelerating grid at a steady positive potential with respect to said cathode, further means for biasing said decelerating electrode at a steady negative potential with respect to said accelerating grid to substantially prevent an electron current to said accelerating electrode and to produce a sharply defined concentrated electron space charge at a determined distance from said accelerating electrode, thereby to provide an electrical condenser with said cathode and said decelerating electrode as terminals, means to substantially prevent alternating potential from being developed upon said control grid and said accelerating grid, and further means to impress a variable biasing potential upon said control grid to correspondingly vary the capacitance of the condenser.

2,274,649
PROCESS FOR BLEACHING TOBACCO
Hermann Baier, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application May 24, 1939, Serial No. 275,540. In Germany January 28, 1935
6 Claims. (Cl. 131—142)

1. A process for refining tobacco which comprises subjecting the tobacco to the action of hydrogen peroxide and subsequently contacting said tobacco with a decomposition catalyst for decomposing hydrogen peroxide in order to destroy hydrogen peroxide remaining undecomposed on said tobacco.

2,274,650
VALVE ACTUATING MECHANISM
Oscar H. Banker, Chicago, Ill.
Original application July 24, 1936, Serial No. 92,302. Divided and this application May 11, 1940, Serial No. 334,503
6 Claims. (Cl. 123—90)

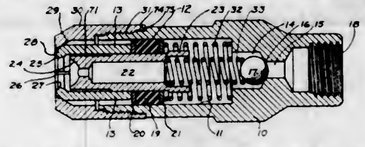


1. A valve lifter for a valve actuating mechanism comprising a cup-shaped member having a bore therein closed at one end thereof, a plunger receivable within the bore having a portion projecting from the bore, a plurality of annular washers of yieldable but substantially incompressible rubber-like material surrounding said plunger within said bore having an outer diameter substantially equal to the diameter of said bore, and an inner diameter substantially equal to the diameter of the plunger, and annular shims interposed between the washers each having an area less than that of the adjacent washers to provide spaces into which portions of the washers may flow during the application of force to the valve actuating mechanism.

2,274,651
COUPLER
Frank S. Barks, St. Louis, and Alexander P. Fox, University City, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application April 5, 1939, Serial No. 266,146
1 Claim. (Cl. 285—169)

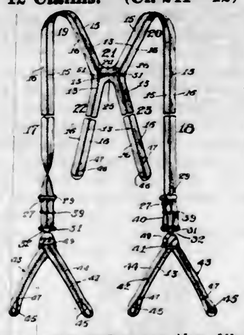
A multi-jawed hydraulic chuck type lubricant-delivery coupler for use on lubricant-receiving "nipples," including a generally tubular main

housing member, and a piston and a nipple-sealing member slidably mounted in said main housing member, a spring urging said piston and nipple-sealing member towards the discharge end of the coupler, a plurality of nipple-gripping jaws surrounding said nipple-sealing member, with a substantial part thereof extending into the aforesaid main housing member and disposed between said main housing member and said nipple-sealing member, said nipple-gripping jaws having outer in-turned claws extending beyond said main housing member, and a generally tubular cap-like nose-piece superimposed upon the projecting outer in-turned claws of said nipple-gripping jaws, said cap-like nose-piece being screw-threadedly secured to said main housing member to form a rigid though detachable continuation



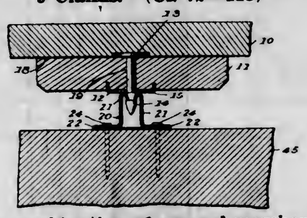
thereof, said cap-like nose-piece having an in-turned outer camming flange for cammingly engaging the in-turned outer claw portions of said nipple-gripping jaws; whereby said nipple-gripping jaws may be held in assembled relation to each other and to said main housing member and to said piston and nipple-sealing member, while said cap-like nose-piece is removed from said main housing member, and whereby said nipple-gripping jaws may be removed from and inserted into their assembled positions in the coupler through the front end of said main housing member while said cap-like nose-piece is removed, without the need for disturbing the assembled disposition of said piston and nipple-sealing member and spring in relation to said mean housing member and in relation to each other.

2,274,652
BRACE OR LIKE ARTICLE
Henri Joseph Bayon, Angers, France
Application August 12, 1939, Serial No. 289,751
In France August 13, 1938
12 Claims. (Cl. 241—12)



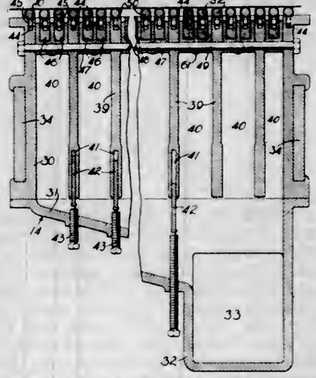
1. A brace, suspender or the like having at least two branches, each formed of a generally flat strip composed of a plurality of parallel and generally coplanar longitudinal elastic strands and transverse textile strands uniting them, said branches including two portions of such strip united edge to edge substantially throughout their common extent by sewn stitches, said stitches permitting the elastic extension of said strips and forming the two portions of said strips into one generally flat band of a combined width of the individual strips throughout the major portion thereof.

2,274,653
PANEL SECURING MEANS
Leonhardt W. Benz, Mobile, Ala.
Application August 16, 1938, Serial No. 225,206
9 Claims. (Cl. 72—118)



1. The combination of a panel member, a strip adhesively secured to the under side of the panel member, a stud-like element projecting outwardly from and penetrating only said strip, and an element which is complemental to the stud-like element.

2,274,654
DRAIN BOX FOR PAPERMAKING MACHINES
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Original application March 27, 1936, Serial No. 71,109. Divided and this application May 3, 1937, Serial No. 140,299
12 Claims. (Cl. 92—51)

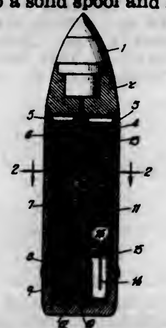


1. A white water drain box for paper machines adapted for mounting within the loop of the paper machine forming wire comprising an open topped box having a plurality of partition walls extending thereacross to define chambers within the box, said walls terminating above the bottom of the box, slides cooperating with the bottom portion of at least some of the partition walls to regulate the size of the open space beneath said walls, and means operable from outside of the box for raising and lowering the slides.

2,274,655
AERIAL MULTIMINE
Erich Bickel, Baden, near Zurich, Switzerland
Application October 31, 1938, Serial No. 237,952
In Switzerland March 18, 1937
5 Claims. (Class 102—29)

1. An air defense device comprising a projectile

having a shell and a substantially pointed headpiece, a stem member rigidly connected with said headpiece and centrally extending into said shell, a plurality of individual air mines, each mine consisting of a mine proper, a parachute and a wire wound into a solid spool and interconnecting



said mine proper and said parachute, said mines being disposed within said shell and around said stem member, and a separating charge disposed between said mines for separating said shell from said mines and said mines from one another and from said stem member.

2,274,656
REINFORCED GARMENT
Arthur C. Biddle, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 27, 1938, Serial No. 227,050
2 Claims. (Cl. 2—225)

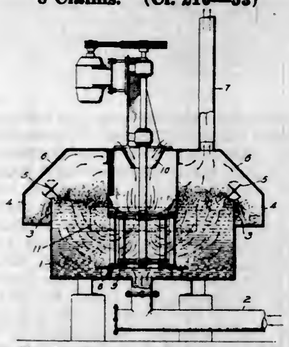


2. A garment having a crotch, an inseam at a lower part of the crotch, a seam extending forward and upward from said inseam, a pair of fly-forming flaps extending upward from said seam, and a permanently non-planar linen reinforcing patch conforming to said crotch and covering the inner side of said seam and the adjacent portions of said flaps, the stitching forming said seam joining said patch thereto, the stitching forming said inseam joining said patch thereto, stitching joining said adjacent portions of said flaps to each other and to said patch, said patch comprising planar sections joined together by stitching disposed between the exposed surface of said patch and the crotch, the entire exposed surface of said patch being substantially smooth.

2,274,657
ALUMINUM ALLOY
Walter Bonsack, South Euclid, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 17, 1941, Serial No. 389,019
2 Claims. (Cl. 75—146)

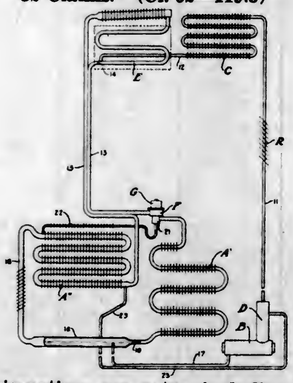
1. An aluminum base alloy of relatively high strength and ductility, comprising magnesium, zinc, magnesium silicide, one or more metals for hardening or grain refining, and the balance substantially all aluminum and minor impurities, the zinc being present in the amount of about .6% to 4.8%, the magnesium silicide being present in the amount of about 3% to 8%, the amount of magnesium in the alloy uncombined with silicon being about 35% to 45% of the zinc content, the total magnesium being within the range of about 2% to 8%, and the total silicon being within the range of about 1% to 3%.

2,274,658
DEGASIFICATION AND CLARIFICATION OF LIQUID DISPERSIONS
Robert Ben Booth, Springdale, Conn., assignor, by mesne assignments, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware
Application October 13, 1939, Serial No. 299,319
8 Claims. (Cl. 210—53)



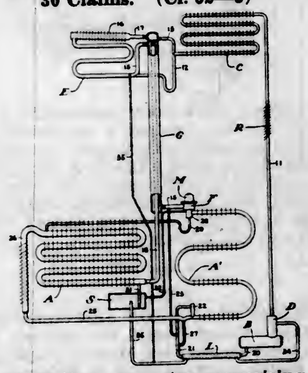
1. A method of concentrating solid materials and simultaneously removing obnoxious components in the form of a gas from a liquid suspension thereof which comprises subjecting the suspension to a froth flotation, removing a concentrate rich in at least one solid material and evolving and collecting substantially all of at least one obnoxious gas as liberated from the surface of the liquid.

2,274,659
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,196
In Great Britain August 20, 1937
32 Claims. (Cl. 62—119.5)



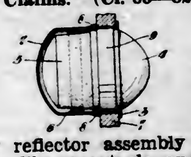
1. Refrigerating apparatus including an absorber conduit having a body of absorption solution therein, an evaporating conduit having a body of liquid refrigerant therein, and means for propelling a dense inert gas through said conduits to exert a frictional drag on said liquid which causes the same to move through said conduits at a velocity less than the velocity of the inert gas.

2,274,660
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 31, 1938, Serial No. 248,671
30 Claims. (Cl. 62—5)



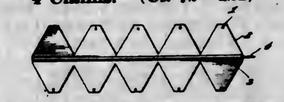
1. Refrigerating apparatus comprising a pressure equalizing medium circuit including an evaporator and an absorber, a solution circuit including a boiler and said absorber, a power-driven pump for circulating pressure equalizing medium through said pressure equalizing medium circuit, means for supplying refrigerant to said evaporator below the top thereof, means for supplying an absorbent to said absorber below the top thereof, said pressure equalizing medium circuit being so constructed and arranged that the pressure equalizing medium circulating therethrough functions to elevate refrigerant and absorbent through said evaporator and said absorber, respectively, and means for metering the flow of liquid in one of said circuits.

2,274,661
SAFETY REFLECTOR ASSEMBLY
Alan E. Brickman, Rostraver Township, Westmoreland County, Pa., and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 12, 1940, Serial No. 345,214
8 Claims. (Cl. 88—82)



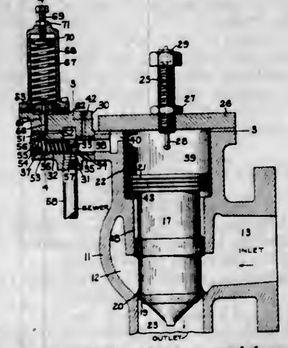
5. A safety reflector assembly comprising a cylindrical cup-like receptacle, and a cylindrical button-like reflector unit having an annular flange arranged therearound intermediate the length thereof with the flange having an outer diameter slightly less than the inner diameter of said receptacle, said unit being forced into position in said receptacle with the outer surface of the flange of said unit tightly fitting the inner periphery of said receptacle so that said unit is held securely therein by frictional forces exerted between said flange and said receptacle whereby the inner surface of said unit is sealed from the elements with the inner surfaces of said unit being spaced from the inner walls of said receptacle.

2,274,662
METAL CORNER BEAD
Davy J. Briggs and Fred De Nio, Jr., Detroit, Mich., assignors of one-tenth to McConnell-Petermann Co., Inc., Detroit, Mich., a corporation of Michigan
Application January 19, 1939, Serial No. 251,768
4 Claims. (Cl. 72—121)



1. In a corner bead, an arrangement of two continuous flanges, triangular in shape and forming a continuous serration, contractible and expansible to conform to concave and convex curves without alteration or distortion, extending angularly from a flexible bead, applicable to the surface of prefabricated wall material, substantially as described.

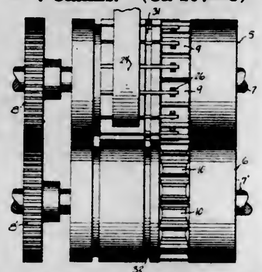
2,274,663
RELIEF VALVE
Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application June 5, 1940, Serial No. 338,875
7 Claims. (Cl. 137—53)



1. A pressure relief valve comprising a casing having a chamber directly connected to a fluid inlet, a piston valve mounted in said casing for controlling communication from said chamber to an outlet, said piston valve having a piston mounted in a cylinder formed in said casing in spaced relation to said chamber, a passage for providing communication between the chamber in said cylinder on the lower side of said piston and a source of fluid under pressure, a passage for providing communication between the chamber on the upper side of the piston and an auxiliary pressure chamber, means for supplying fluid under pressure in a restricted amount to said auxiliary pressure chamber, a free discharge, and means for controlling the fluid in said auxiliary pressure chamber comprising a plunger for controlling communication between

the auxiliary pressure chamber and said free discharge, means for controlling the operation of said plunger and including a diaphragm subject on one side to the pressure of the fluid in said inlet and subject on the opposite side to the pressure of a spring, said plunger being subject on one side to the pressure of the fluid in said auxiliary pressure chamber and being subject on the rear side to the combined pressures of a spring and fluid from the auxiliary pressure chamber, and means actuated by said diaphragm when the inlet fluid pressure increases a predetermined amount for releasing the fluid pressure on the rear side of said plunger.

2,274,664
CANDY FORMING MACHINE
Edward E. Cahoon, Racine, Wis.
Application February 3, 1940, Serial No. 317,150
7 Claims. (Cl. 107—8)



1. In a candy forming machine of the character described: a molding die having a plurality of mold cavities in its surface and having a groove connected with each of said cavities for supporting one end of a handle for the candy with its other end projecting into one of the mold cavities to be embedded in the candy formed therein; and means in the bottom of each mold cavity cooperating with the handle receiving grooves of the molding die to support the other end of a candy handle, said means preventing lateral bending of the handle as the candy is pressed into the mold.

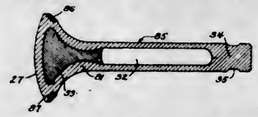
2,274,665
DIESEL FUEL
Louis A. Clarke, Fishkill, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application October 11, 1938, Serial No. 234,360
9 Claims. (Cl. 44—9)

1. A liquid fuel for compression ignition engines containing a small quantity of trichloronitro methane.

2,274,666
DIESEL FUEL
Louis A. Clarke, Fishkill, and Ernest Frank Pevere, Beacon, N. Y., and Wilfred N. Meyer, Pryse, Ky., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application October 11, 1938, Serial No. 234,360. Divided and this application October 5, 1940, Serial No. 359,946
5 Claims. (Cl. 44—9)

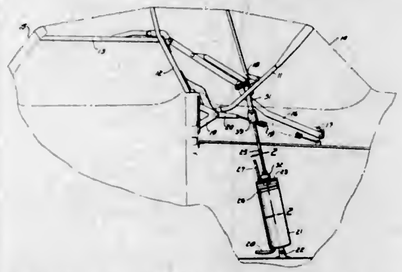
1. An improved Diesel fuel comprising a hydrocarbon fuel oil containing a minor proportion of a compound selected from the group consisting of dichloro dinitro methane, dichlorotetranitro ethane and tetrachloro dinitro ethane, sufficient to decrease the ignition delay period of the fuel, improve its cold starting ability and decrease its tendency to deposite carbon and carbonaceous material in the motor combustion chamber.

2,274,667
HOLLOW CAST METAL VALVE
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1940, Serial No. 321,635
2 Claims. (Cl. 123—188)



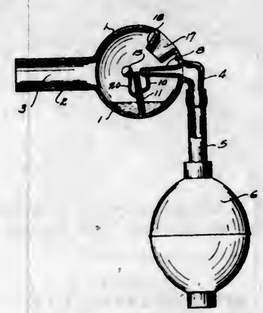
1. A poppet valve body comprising a hollow one-piece casting having a mushroom-shaped head with a mushroom-shaped cavity therein and a cylindrical stem projecting from said head with a cylindrical cavity along the length thereof merging into said mushroom-shaped cavity to define a smooth thickened throat free from wrinkles and sharp corners.

2,274,668
LOCKING MEANS FOR SERVOMOTORS
John Crawford and Harold W. Johnson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application September 14, 1939, Serial No. 294,847
5 Claims. (Cl. 121—40)



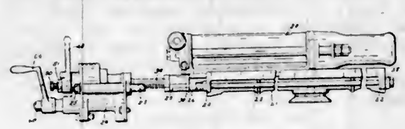
1. A device for raising and lowering an automobile top comprising, a cylinder pivotally mounted in said automobile, said cylinder having a piston reciprocally mounted therein, a cylinder head on said cylinder, a rod associated with said piston which extends upwardly through said cylinder head, a collar fixed to said cylinder head, a coupling member having one end pivotally connected to the top to be raised and having its other end reciprocally mounted upon the upper end of said piston rod for limited reciprocation relative thereto, a ring reciprocally mounted upon said coupling member, said ring being connected to said piston rod for movement therewith, and locking means extending through a suitable opening in said coupling member, said ring in its lowermost position forcing said locking means inwardly against said collar to lock said coupling member thereto, and said ring in its other positions permitting said locking means to move outwardly relative to said collar to thereby release said coupling member from said collar.

2,274,669
ATOMIZER
Harold E. Curry, Seattle, Wash.
Application September 18, 1939, Serial No. 295,435
1 Claim. (Cl. 299—88.5)



An atomizer of the character described comprising a substantially closed container for a supply of liquid to be atomized and having an outlet at one side, a supply tube for air under pressure opening through the container wall and terminating in a nozzle so disposed as to deliver a stream of air therefrom directly toward said outlet, a capillary tube supported with its lower end to receive liquid from the supply and with its upper end in the path of the air stream as discharged from the nozzle tip to supply liquid to the air stream, and a spherical baffle disposed directly in the line of discharge of air, beyond the delivery end of the capillary tube and having a supporting member extending downwardly from its lower side and attached to the capillary tube and affording quick drainage of liquid from the baffle.

2,274,670
FEED MECHANISM FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application July 16, 1936, Serial No. 90,951
5 Claims. (Cl. 255—45)

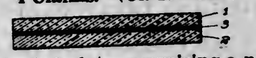


1. In a drilling apparatus, the combination with a support, of a drilling motor slidable on the support having reciprocatory motion imparted thereto, of a feeding mechanism operatively associated with said motor and support including a duality of elements in self locking threaded engagement with each other and having the reciprocatory motion of said motor transmitted thereto, one of said elements being rotatable in either direction relatively to the other for effecting the forward or backward feeding movement of the motor, means associated with said rotatable element responsive to the reciprocatory motion thereof for effecting its rotation in either direction, and means responsive to the reciprocation of said rotatable element for feeding said motor at a greater rate of power in one direction than in the other.

2,274,671
FORMATION OF CHROMIUM-CONTAINING LAYERS ON FERROUS SURFACES
Karl Daeves and Gottfried Becker, Dusseldorf, and Fritz Steinberg, Krefeld, Germany
No Drawing. Application October 31, 1939, Serial No. 302,138. In Germany November 10, 1938
4 Claims. (Cl. 148—14)

1. A method of forming chromium-containing layers on ferrous metal articles, which comprises packing the article in pieces of ceramic carrier material selected from the group consisting of porcelain and sillimanite charged with chromium chloride and admixed with pieces of ferro-chromum, and heating the mass to a temperature in the neighborhood of 900° to 1100° C.

2,274,672
SAFETY GLASS
Brook J. Dennison, Aspinwall, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 205,270
4 Claims. (Cl. 49—81.5)



1. A laminated plate comprising a pair of glass sheets adhered to the opposite sides of a sheet of polymerized incomplete vinyl acetal resin containing approximately 32 per cent by weight of tri ethylene glycol dioctoate as a plasticizer.

2,274,673
LUBRICATING COMPOSITION
Clarence E. Earle, Washington, D. C.
No Drawing. Application April 5, 1940, Serial No. 328,095
10 Claims. (Cl. 252—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

10. As a new composition of matter, a lubricating grease comprising a lithium soap and a lubricating oil from the class consisting of mineral and vegetable oils, said lithium soap being present in quantities sufficient substantially to thicken the oil.

2,274,674
LUBRICANT CONTAINING A LITHIUM COMPOUND
Clarence E. Earle, Washington, D. C.
No Drawing. Application November 4, 1940, Serial No. 364,247
7 Claims. (Cl. 252—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A lubricating composition, comprising at least one substance from the group consisting of chlorinated diphenyl and chlorinated diphenyl oxide, and lithium soap of an average molecular weight of 277 sufficient in quantity substantially to thicken said diphenyl.

7. A lubricating composition, comprising jojobo oil and sufficient lithium soap substantially to thicken said oil.

2,274,675
LUBRICANT CONTAINING LITHIUM SALTS
Clarence E. Earle, Washington, D. C.
No Drawing. Application November 4, 1940, Serial No. 364,248
12 Claims. (Cl. 252—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

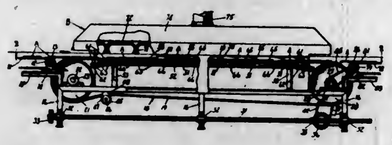
1. Lubricating compositions, comprising a

lithium salt of an acid chosen from the group consisting of ethyl butyric, ethyl hexoic and caproic acids and an oil from the group consisting of mineral oil and non-drying vegetable oil, the said salt being present in quantities between 4% and 40%.

2,274,676
LUBRICANT CONTAINING LITHIUM SALTS
Clarence E. Earle, Washington, D. C.
No Drawing. Application November 4, 1940, Serial No. 364,249
10 Claims. (Cl. 252—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Lubricating compositions, comprising a lithium salt of an acid from the group consisting of acetic and butyric acids and an oil from the group consisting of mineral and non-drying vegetable oils, said salt being present in quantities of from 4% to 40%.

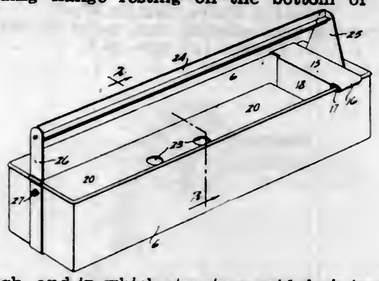
2,274,677
CONVEYING AND TREATING APPARATUS
Felix Eberhart, Arlington, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 20, 1939, Serial No. 300,476
6 Claims. (Cl. 34—62)



1. In a machine for handling and treating flexible metallic sheets, the combination of an endless non-magnetic belt conveyor for carrying the sheets along a predetermined path of travel along an outer run thereof, a plurality of magnets arranged at an angle to said conveyor run adjacent an end thereof and at progressively increasing distances therefrom relative to the plane and outwardly of the conveyor run for creating at said conveyor end a magnetic field of progressively varying intensity for gradually influencing the sheets received by the conveyor to prevent jumping and shifting of the sheets on said conveyor during a treating operation, a second plurality of magnets arranged adjacent and parallel to said conveyor adjacent said angularly disposed magnets for creating a magnetic field of uniform intensity to hold the sheets on the moving conveyor run in a flat condition against shifting, and means disposed adjacent said sheet carrying conveyor run for imparting treatment to the exposed outer surfaces of said sheets while they are held to the conveyor by said magnets.

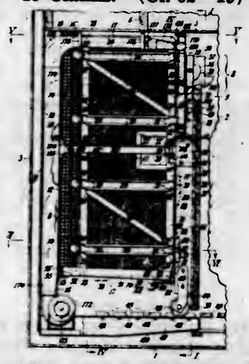
2,274,678
DRINKING TROUGH
Elmer Eliason, Minneapolis, Minn.
Application May 19, 1941, Serial No. 394,070
4 Claims. (Cl. 119—78)

1. In a device of the kind described, a water-containing trough provided at one end with a raised deck formed with a depending end plate having a projecting rest flange, and a false bottom removably applied in said trough with one end supported on said rest flange of said deck, said false bottom, at its other end, having a depending flange resting on the bottom of said



trough, and in which structure said deck is slidably mounted on the side rims of said trough.

2,274,679
REFRIGERATOR CAR
Warren R. Elsey, Wynnewood, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1941, Serial No. 402,133
19 Claims. (Cl. 62—19)

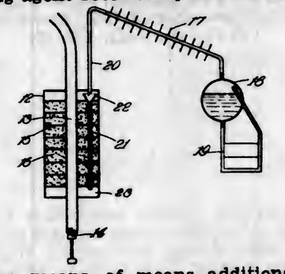


1. In a refrigerator car, a stationary and opposed relatively foldable means substantially forming three walls of an ice bunker when open; a shiftable bulkhead to form the fourth wall of the bunker; a swingable deflector hinged above and operatively coordinated to the bulkhead; and means for securing the deflector in planar or angular relation with respect to the bulkhead when the latter is respectively extended or collapsed.

2,274,680
ABSORPTION AND ADSORPTION REFRIGERATING APPARATUS
Nils Eriand af Kleen, Oxford, England
Application July 16, 1937, Serial No. 154,090
In Great Britain July 23, 1936
9 Claims. (Cl. 62—118)

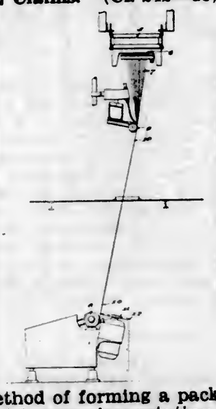
1. In absorption refrigerating apparatus of the type operating intermittently in the expulsion and absorption phases, respectively, and including at least one closed system for a refrigerating agent, said system consisting of at least one generator-absorber having a shell enclosing a body of solid absorbent material, a plurality of elements arranged to provide a condenser, and an evaporator coupled in series, means connecting said generator-absorber to said condenser to permit the refrigerating agent to be withdrawn from said plurality of elements during the absorption

phase operation of said apparatus and to be expelled from said generator-absorber to said elements during the expulsion phase operation of said apparatus, and means for intermittently heating said generator-absorber for the expulsion phase operation of said apparatus; the combination with said body of solid absorbent material within the shell adapted to absorb said refrigerating agent received by the shell from said



connecting means, of means additional to the generator-absorber shell cooperating with the aforesaid connecting means to segregate liquid refrigerant from refrigerant vapor and to form such liquid refrigerant in a body out of contact with said expanded solid absorbent material in said shell, and to enable the refrigerant vapor free from any liquid refrigerant to be absorbed by the said absorbent material.

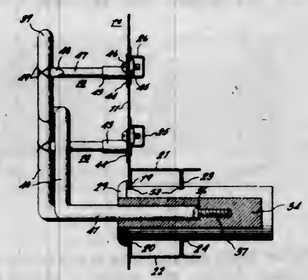
2,274,681
WINDING MECHANISM AND METHOD
Ed Fletcher, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application September 28, 1938, Serial No. 232,114
7 Claims. (Cl. 242—18)



1. The method of forming a package of strand material, which comprises rotating an expansible holder and thereby winding the strand thereon to form the package, expanding the holder during the winding to an extent variable with the speed of rotation and thereby increasing its diameter during the rotation thereof, and contracting said holder at the completion of the package.

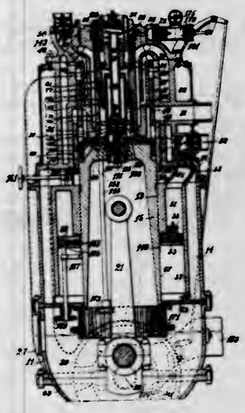
2,274,682
LUMINOUS SIGN
David O. Ford, Petersburg, Va.
Application May 19, 1939, Serial No. 274,643
14 Claims. (Cl. 40—130)

10. An illuminated sign including a support for a plurality of replaceable sign characters, said support provided with at least two horizontal slots, a plurality of socket receptacles slidably mounted in one of the slots, a supporting bracket slidably mounted in another of the slots, means for securing the bracket in its adjusted position in said other slot, and a luminous



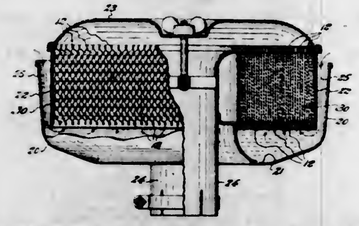
sign character demountably secured to the bracket, having one of its terminals intruded into the socket of and connected electrically to one of the receptacles and its other terminal intruded into the socket of and connected electrically to another of said receptacles and means for supplying current to said receptacles.

2,274,683
ENGINE
George Holt Fraser, Brooklyn, N. Y.
Application May 18, 1939, Serial No. 274,390
19 Claims. (Cl. 123—74)



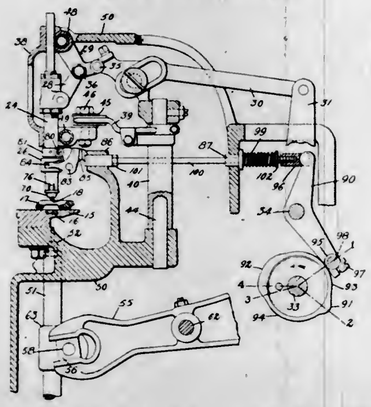
1. In an internal combustion engine, a cylinder having means supplying fuel thereto and having axially spaced radially outwardly extended inlet and outlet ports, and a combustion chamber therebetween; in combination with a piston reciprocating in said cylinder and having an axially extended cylindrical portion having axially spaced inlet and outlet ports radially outwardly extended through said portion and movable into and out of cooperative relation with said ports respectively, and constructed and arranged to open said ports and afford communication therewith through said portion of the piston when the latter moves toward the end of its power stroke, and to close said ports and terminate said communication during counter movement of said piston.

2,274,684
FILTER MEDIUM AND FILTER BODY MADE THEREFROM
Alfred M. Goodloe, Montclair, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application November 16, 1940, Serial No. 365,928
4 Claims. (Cl. 183—69)



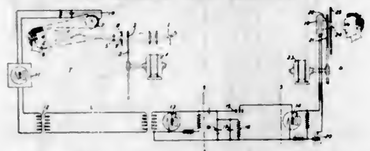
1. A filter body comprising a plurality of layers of warp knit single ply metallic mesh made of comparatively stiff wire, each layer having along opposite margins thereof selvage forming substantially rigid loops, the aggregation of said selvage loops spaced apart in separated relation one to another and disposed to freely project from said margins in the plane of the layer providing filter body portions of less density than that of the main portions of the filter body.

2,274,685
EYELETING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1939, Serial No. 252,599
19 Claims. (Cl. 218—14.1)



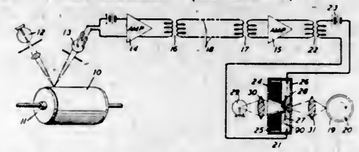
1. An eyeleting machine comprising an eyelet-inserting tool, an eyelet-setting tool having a restricted shoulder formed to enter a lacing hole and upset an invisible eyelet between two layers of work, a work-engaging abutment closely surrounding said setting tool, power-operated mechanism by which said setting tool and said abutment are moved to and from their respective setting positions and both maintained stationary for an interval of time in those positions, power-operated mechanism by which said eyelet-inserting tool is moved to insert an eyelet during said interval, and power-operated mechanism by which said abutment is moved individually toward said eyelet-inserting tool after its interval of rest to flatten the prongs of the clenched eyelet.

2,274,686
ELECTRO-OPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1931, Serial No. 563,016
40 Claims. (Cl. 178—6)



1. A television system comprising means for producing a variable image current corresponding to a field of view scanned for transmission and having a peak value equal to zero illumination, and means for utilizing said current variation of peak value to control the average tone value of an image of said field.

2,274,687
ELECTRO-OPTICAL APPARATUS
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1932, Serial No. 591,966
10 Claims. (Cl. 178—6)

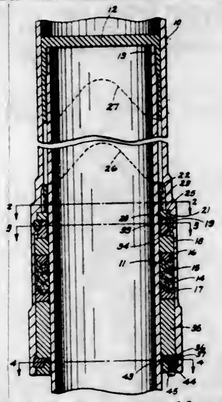


1. An electro-optical image producing system for the transmission of black and white pictures comprising means for scanning a field of view to produce an image current having components extending over a range of frequencies, means for suppressing certain low frequency components and transmitting the higher frequency components of said current, and light control means which emits the same amount of light when energized by current of different amplitudes for controlling the production of an image of said field of view and establishing a uniform background under control of said transmitted current.

2,274,688
SHOCK ABSORBER
Arthur W. Griepenstroh, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application July 15, 1940, Serial No. 345,513
2 Claims. (Cl. 286—31)

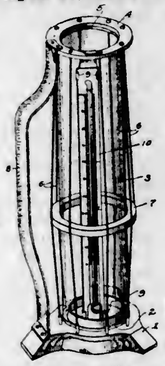
1. In a device of the character described, a pair of telescoping cylinders, an internal circular groove within the outer cylinder, a plurality of ring sections individually insertable between said cylinders into said groove to form a substantially uninterrupted ring radially projecting from said groove inwardly toward the inner cylinder and capable of resisting axial pressure in either direction to which the ring may be subjected, a removable retainer ring insertable between said

cylinders into the sectional ring for preventing radial inward movement of said sections, and



means detachably securing said retainer ring to at least one of said sections.

2,274,689
HYDROMETRIC GAUGING CUP
Don W. Griffin, Severna Park, Md.
Application October 23, 1940, Serial No. 362,355
3 Claims. (Cl. 265—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hydrometric gauging cup comprising an open-ended transparent cylinder, a metallic base closing one end thereof and forming a hydrometric chamber within the cylinder, a metallic lip in the form of an annular rim mounted on the other end thereof, tension members connecting the base and rim, and means intermediate the ends of the cylinder for spacing the tension members from the transparent cylinder, whereby said tension members act as protective bumpers for said cylinder.

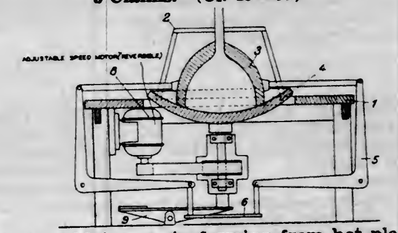
2,274,690
DRAFT REGULATOR
Daniel M. Hanson, Austin, Minn.
Application October 21, 1940, Serial No. 362,149
8 Claims. (Cl. 296—84)

1. A draft regulator for vehicles including a casing open at the front and back and proportioned to extend the full length of a windshield base, parallel front and back rows of pins disposed in staggered relation within the front portion of the casing, the pins of each row bridging the gaps between the pins of the other row and constituting a combined baffle and reenforcing



means for the casing, and an angularly adjustable deflecting shutter positioned to open and close the back of the casing.

2,274,691
MOLD FOR SHAPING GLASS BULBS
Max Heim, Berlin-Lankwitz, Germany, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany
Application July 20, 1940, Serial No. 346,545
In Germany April 1, 1939
3 Claims. (Cl. 49—69)

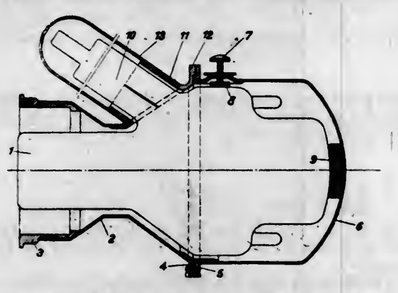


1. A mold for use in forming from hot plastic material by a blowing process a cathode ray tube having a generally flaring side wall portion terminating in an end portion which is convex outwardly and with portions of the side walls contiguous to the end portion differently spaced from the center of the end portion, said mold comprising a first portion having a flaring interior surface of the shape desired for the side walls of the tube, whereby its periphery at the large end thereof is non-circular, and a rotatable second portion having a concave surface, means for moving said second mold portion in the direction of the longitudinal axis of said first mold portion to place said concave surface either in engagement with said first mold portion at the non-circular periphery thereof, or out of engagement therewith to close and open the mold, means for holding said first mold portion stationary during the process of blowing said tube within said mold, and means for rotating during the blowing process said second mold portion while said two portions are in contact, to simultaneously shape, smooth and polish the end wall of said tube, said concave surface being of such shape and extent that all parts of said non-circular periphery remain in contact therewith while said second mold portion is rotating.

2,274,692
METHOD FOR MAKING COVERS FOR ELECTRIC DISCHARGE TUBES
Max Heim, Berlin-Lankwitz, Germany, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany
Application August 8, 1940, Serial No. 351,850
In Germany August 10, 1939
7 Claims. (Cl. 250—27.5)

2. The method of making a protective cover for an electron discharge tube including the steps of forming a core having substantially the shape of said tube and consisting at least partly of a material of low melting point, placing upon said

core a number of metallic supporting and separating members, spraying upon at least a portion of said core and of said supporting and separating members a plurality of metallic layers con-



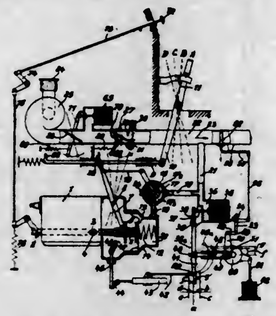
sisting alternately of iron and copper so that sections of the protective cover are formed upon the core, removing the sections from said core, and placing them around said tube.

2,274,693

GOVERNOR APPARATUS FOR THE FUEL DELIVERY OF DIESEL AND OTHER INJECTION INTERNAL COMBUSTION ENGINES

Hans Heinrich, Stuttgart, Alfred Schweizer, Vaihingen, a. F., and Max Hurst, Stuttgart, Germany, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany

Application August 22, 1939, Serial No. 291,434
In Germany August 16, 1938
10 Claims. (Cl. 123—140)



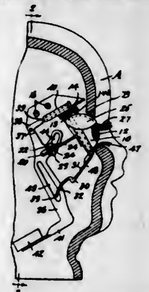
1. In a fuel injection apparatus for a supercharged internal combustion engine the combination comprising an injection pump; a fuel delivery control member associated with said pump; resilient means urging said control member in a direction to increase the amount of fuel injected; a stop for limiting movement of said member in the direction corresponding to an increase of the amount of injected fuel; and governing means, including a plurality of members respectively movable in response to changes of atmospheric pressure and of pressure and temperature of the charging air, and variable coupling means connecting said members to said stop to displace the stop in said direction in accordance with a decrease of atmospheric pressure, and in accordance with an increase of the pressure of the charging air and decrease of the temperature of said charging air whereby equal changes of pressure of said charging air cause displacements of the stop which increase with decrease of the temperature of said charging air.

2,274,694

EYE STRUCTURE FOR DOLLS

Beulah Louise Henry, New York, N. Y.

Application August 8, 1940, Serial No. 351,877
6 Claims. (Cl. 46—168)



1. In an eye structure for dolls, a pair of eye members each having a substantially semi-spherical forward portion, a superposed supporting bar having a pair of depending pintles on which the eye members are mounted for lateral turning movement and fixed against vertical swinging movement, a rearwardly directed arm on each eye member, a transverse connecting rod having pivotal connection at its opposite ends with said arms and formed with spaced shoulders intermediate its ends, an eyelid for each eye member, a shaft rockably carried by the supporting bar and connected to said eyelids to permit of vertical arcuate movement of the eyelids in unison to cover and uncover the forward portions of the eye members, a yoke secured to said shaft and depending downwardly therefrom and having a rearwardly extending loop portion formed with a transversely extending rear lead, a pintle rockably carried by the supporting bar, a pendulum having a pendulum arm pivoted at its upper end to the pintle to permit of fore and aft swinging movement thereof and lateral swinging movement thereof with the rocking of the pintle on the supporting bar, said pendulum arm being provided with an upper slotted portion through which extends the transverse eye member connecting rod with the said shoulders disposed on opposite sides thereof, and said pendulum arm having a lower slotted portion through which extends the transverse lead of the yoke for turning of the eyelids by the engagement of said transverse lead of the yoke in the said lower slotted portion with the fore and aft swinging of the pendulum and for turning the eye members by the engagement of the upper slotted portion with the shoulders of the connecting rod by the lateral swinging of the pendulum.

2,274,695

PROTEIN COMPOSITION OF IMPROVED WATER RESISTANCE

Albert J. Heberer, River Forest, and Clarence Harold Phillips, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 1, 1940, Serial No. 349,232
11 Claims. (Cl. 106—154)

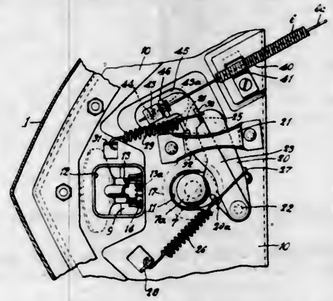
1. A protein composition of improved water resistance when dry comprising an aqueous alkali solution of vegetable protein formaldehyde, a drying oil dispersed therein and glycerine in an amount up to 125% by weight of the protein sufficient to increase the water resistance of said composition when dry.

2,274,696

HOOD LATCH AND OPERATING MEANS THEREFOR

Rowland Hill and Walter H. Krause, Chicago, Ill., assignors to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 4, 1941, Serial No. 373,110
6 Claims. (Cl. 292—225)



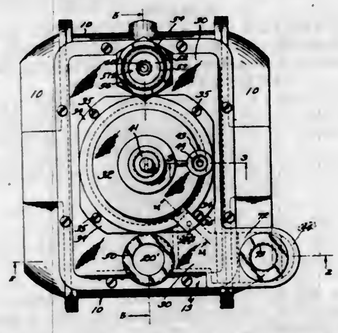
1. In a latch assembly, a horizontal latch support apertured to receive a keeper, a pair of levers of unequal length concentrically pivoted on said support on a generally vertical axis and extending in a like direction from the pivot, the shorter of said levers constituting a latching lever and the longer an unlatching lever, means effective normally to urge the latching lever toward latching position, with a latch portion of said lever extending into alignment with said keeper receiving aperture, means for normally urging the unlatching lever toward inoperative position, and manually operable means for moving the unlatching lever to the unlatching position, said levers having interconnecting parts adapted to move the latching lever to unlatching position in response to unlatching movement of the unlatching lever, while leaving the latching lever free to move to the unlatching position independently of the location of the unlatching lever.

2,274,697

METER STRUCTURE INCORPORATING PRESSURE RELIEVING DEVICES

William P. Hutchinson and Arthur S. McIntire, Bridgeport, Conn., assignors to The Sprague Meter Company, Bridgeport, Conn., a corporation of Connecticut

Application December 8, 1938, Serial No. 244,628
6 Claims. (Cl. 73—199)



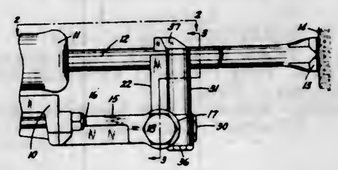
1. The combination with a hollow meter body containing diaphragm operating gas measuring chambers and passageways in communication therewith opening upward out of said body, of a hollow meter head detachably mounted on the top of said meter body comprising head walls defining a cap-like structure housing a gas pressure chamber into which said passageways directly open when the meter head is in place on the meter body, and a safety passageway leading outward from said pressure chamber to the exterior of said head sealed with liquid and defined by walls joining said head walls and extending to form a cove-like bulged out portion of said pressure chamber in conjunction with an outer portion of said safety passageway flanking said cove-like portion, whereby excessive pressure in a body of gas occupying at the same time said pressure chamber said measuring chambers and said passageways can instantaneously displace said sealing liquid and freely escape through a minimum length of said safety passageway.

2,274,698

DRILL STEEL CENTRALIZER

Albert Feucht, Garfield Heights, and Theodore A. Schmidt, Cleveland, Ohio, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Substitute for abandoned application Serial No. 259,614, March 3, 1939. This application May 19, 1941, Serial No. 394,172
6 Claims. (Cl. 255—45)



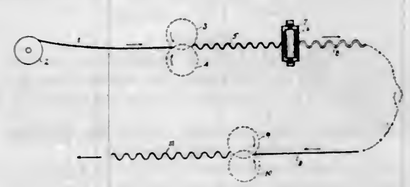
1. A centralizer for drill steels, comprising a support, a pivot in said support, a guide arm operatively mounted on said pivot, a pivot in sail arm, a guide finger operatively mounted on said last pivot, interengaging means on said pivots preventing rotation of said finger independently of said arm, and resilient means operatively associated with said arm for resisting its rotation on its pivot.

2,274,699

METALLIC FILAMENTOUS MATERIAL

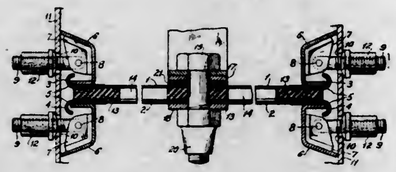
Frank C. Jacobs, New Kensington, Pa.

Application February 2, 1940, Serial No. 316,972
4 Claims. (Cl. 140—71)



1. An article of the class described consisting in a wire or strand of resilient metal formed with two systems or lines of corrugations, the undulations of one system of corrugations being angularly disposed with respect to the undulations of the other system.

2,274,700
SCREENING APPARATUS
Clifton E. Jenks, Willoughby, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application February 14, 1939, Serial No. 256,289
1 Claim. (Class 209—401)



Screening apparatus comprising spaced metallic screens and a soft rubber spacing pad therebetween, said pad being substantially coextensive in its external dimensions with said screens and having openings therein considerably larger than the screen openings, said pad having substantially flat surfaces in engagement with said screens, the pad being under compression by said screens, said compression being such that the individual wires of which said screens are composed are partially embedded in the surfaces of said pad, and means securing said screens and pad together along the centers of the screens and pad.

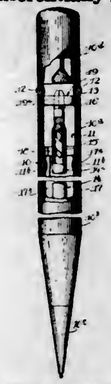
2,274,701
SCREENING APPARATUS
Clifton E. Jenks, Willoughby, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 261,560
3 Claims. (Class 209—403)
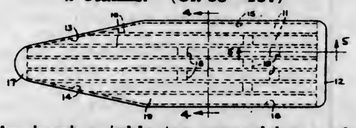


1. Screening apparatus comprising a screen frame, a screen extending across said frame, means for maintaining said screen under tension, and means independent of said first-named means for resiliently supporting said screen, said supporting means comprising a frame disposed within said screen frame below said screen and having recesses in its upper portion and strips of a resilient material disposed in said recesses and extending above said recesses and into engagement with the lower surface of said screen.

2,274,702
MECHANICAL PENCIL
Helmer R. Jochim, Chicago, Ill., assignor to Rite-Rite Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1941, Serial No. 389,593
4 Claims. (Cl. 120—18)

1. In a mechanical pencil of the kind described, including a barrel made in two parts, one rotative with respect to the other, an operating assembly including a drive stud mounted in the non-rotatable part, a drive cup provided with an annular flange fixed within the rotatable part of said barrel, an apertured disc seated in said cup provided with means for engaging said drive stud, and a yielding member engaged with said apertured disc, the flange of said cup being provided with circumferentially spaced tongues projecting inwardly and engaged with said yielding member.

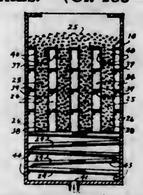


2,274,703
IRONING TABLE TOP
Edward T. John, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a corporation
Application November 24, 1939, Serial No. 305,904
2 Claims. (Cl. 38—137)



2. An ironing table top comprising a shaped board having top and bottom portions, front and rear transverse end members secured to each thereof, a series of frame members entirely around the rim of the board extending between the front and rear end members, a series of longitudinal members extending between the rear transverse member and the front members or the rim members to form a set of large spaces extending between the inner surfaces of the top and bottom members, and a layer of metallic foil on each of said inner surfaces forming limiting walls of said spaces whereby heat rays passing through the top wall from the electric iron when the ironing table top is in use will be reflected in said spaces and the heat retained in the top wall.

2,274,704
APPARATUS FOR CONDITIONING AIR
Hiram Joseph Kaufman, Detroit, Mich.
Application November 30, 1939, Serial No. 306,788
4 Claims. (Cl. 183—4)

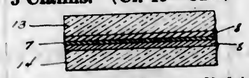


1. An air conditioning cabinet having an air inlet and an air outlet defined therein, a storage hopper located in the central upper portion of said cabinet, means defining a sealable opening in said hopper for charging the hopper at intervals with a solid, deliquescent material, the walls of said cabinet defining an air course between said inlet and outlet, a reticular receptacle projecting into said air course and having clearance with said walls, walls defining a gravity flow discharge passage between said hopper and receptacle for continuously replenishing the same with solid material from said hopper, said last named walls being of sufficient length to prevent access of air from said air stream to said deliquescent material adjacent the point of entrance to said passage from said hopper to prevent the bridging of said deliquescent material across said point of entrance, and means for moving said air stream between said inlet and outlet and past said receptacle in wiping relation with the walls thereof.

2,274,705
BUILDING MATERIAL AND METHOD OF MAKING THE SAME
Lewis C. Karrick, Salt Lake City, Utah
No Drawing. Application November 24, 1937, Serial No. 176,279
3 Claims. (Cl. 106—110)

1. A gypsum plaster composition adapted to use in building blocks, bricks, walls and ceiling fabrication comprising uniformly sized coarse lumps of calcined gypsum which have been rehydrated while maintaining the relative positions of the said lumps substantially constant.

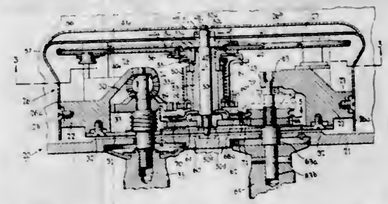
2,274,706
PROCESS OF MAKING A LIGHT POLARIZING MEDIUM
Laurence A. Keim, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 11, 1939, Serial No. 267,328
5 Claims. (Cl. 49—81.5)



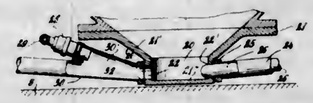
1. A process of preparing a light polarizing member which comprises forming a solution of vinyl acetal resin containing light polarizing crystals distributed therein, flowing the solution upon a temporary backing to provide a film containing the light polarizing crystals in optically oriented position, evaporating the solvents from the film, directly contacting the film with a sheet of vinyl acetal resin and transferring the film under heat and pressure to the surface of the sheet and stripping away the temporary backing.

2,274,707
CAMERA
George Kende, New York, N. Y., and Philip J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application May 9, 1940, Serial No. 334,204
5 Claims. (Cl. 95—61)

4. In a camera, a shutter device comprising a pair of rotatable blades, rotatable means extending from said camera, the axis of rotation of said rotatable means being spaced from the axis of rotation of said blades, means to permit relative rotation between said blades to selectively adjust the size of the shutter opening formed between the blades, said last named means comprising a gear train permanently connecting one of said blades and said rotatable means and means to hold the other of said blades stationary while said rotatable means is manipulated to vary the angular position of said first blade, said rotatable means being also slidable along its axis of rotation, means to normally interlock said blades for simultaneous rotation, and means associated with said rotatable means and actuable upon axial shifting thereof to render ineffective said interlocking means.



2,274,708
MEANS FOR HANDLING MATERIAL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application June 8, 1940, Serial No. 339,426
3 Claims. (Cl. 302—53)



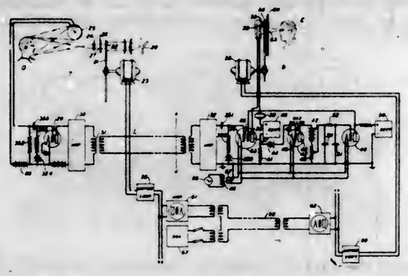
1. In means for handling pulverulent, granular and like materials, a pressure container for the material having an opening in the bottom and arranged with means for admitting air under pressure into the container to aerate the material and place it under pressure in the container; a cup member connected to the container at the bottom opening and having an inlet opening and an outlet opening in opposite end wall portions; a tubular member having at one end an outlet connected in communication with the inlet opening to the cup member, and at the other end an alined opening provided with a removable closure; said member having a Y branch inclining toward the outlet thereof, and a nozzle member mounted in the Y branch for the delivery of air under pressure through the outlet of said tubular member and transversely through the cup member into the outlet opening thereof, said air conveying material from the container through the outlet of the cup member.

2,274,709
ELECTRO-OPTICAL IMAGE PRODUCTION
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 2, 1936, Serial No. 99,023
11 Claims. (Cl. 178—7.3)

1. A television receiver comprising a plurality of electron discharge amplifying stages, a television image producing device and a source of direct current connected in the output circuit of the last of said stages, a circuit including a condenser of large capacity for coupling the input of said last amplifier stage with the preceding stage, a condenser of relatively small capacity in the input circuit of said last stage, and means for

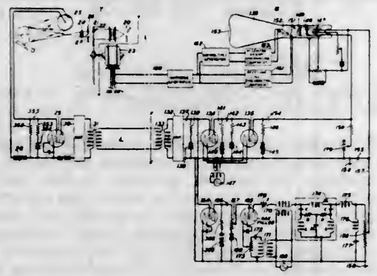
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charging the smaller of said condensers only to control the direct component of the current from



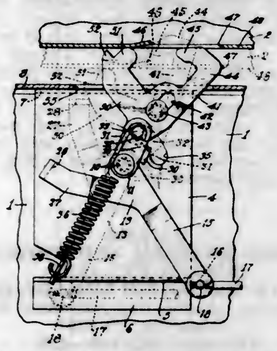
said source flowing through said image producing device.

2,274,710
ELECTRO-OPTICAL IMAGE PRODUCTION
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1939, Serial No. 270,476
5 Claims. (Cl. 178—7.5)



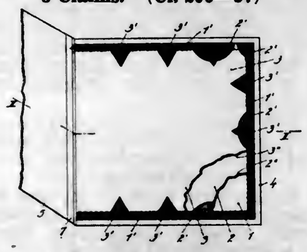
1. In a system including a source of television image electromotive force which is devoid of the direct component representative of average tone value of a field of view and having recurring impulses of predominant amplitude, the amplitude of which varies in accordance with the variations of said direct component, the combination of an electric discharge device having a control circuit under control of said television electromotive force, and means for supplying said indirect component comprising a gas-filled electric discharge tube having an output circuit and a control circuit, a source of alternating electromotive force, means for supplying from said source to said output and said control circuits, respectively, of said gas-filled tube, alternating electromotive forces which are out of phase with respect to each other, a biasing circuit, including a filter for suppressing alternating components of the current supplied thereto, electrically associated with the output circuit of said gas-filled tube, means for impressing said television electromotive force upon the control circuit of said gas-filled tube to control the amplitude of the unidirectional current flowing in said biasing circuit in accordance with the amplitude of the recurring impulses of the television image electromotive force, and means for connecting said biasing circuit to the control circuit of said electric discharge device to control the biasing thereof.

2,274,711
HOOD LATCH
Walter H. Krause, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 350,047
13 Claims. (Cl. 292—99)



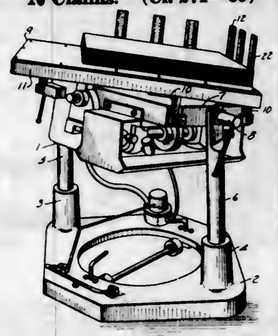
1. In a latch structure for automobile hoods and movable closures therefor, a lever element pivoted to said hood, a manually operable control element secured to and adapted to rotate the lever element, a link pivoted concentrically with said lever element, a latch element pivoted to said link and also pivoted to said hood, said latch element being mounted for translation on said hood whereby the distance separating the pivotal connection between the latch element and the link, and the latch element and the hood, may be shifted as the link rotates, said latch element including a latch portion and a closure lifting portion, and means for rotating said link in response to rotation of said lever element.

2,274,712
ARTICLE EMBODYING THIN FOILS OR SHEETS
Friedrich Kroner, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden
Application October 21, 1937, Serial No. 170,225
In Germany October 21, 1936
3 Claims. (Cl. 206—57)



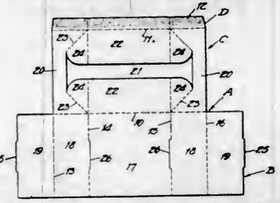
1. A package of thin transparent cellulose sheets or foils arranged in superposed relationship and tending, under the influence of a frictional contact, to adhere to each other, and an adhesion-reducing strip of electrically conductive material secured to at least an edge portion of each sheet on at least one side thereof, whereby such an element is provided between consecutive sheets or foils of said package thereby facilitating the separation of said sheets or foils from each other.

2,274,713
POST FOR JOGGING MACHINES
William H. Kushera, New York, N. Y., assignor to Fred M. Brackett, Topeka, Kans.
Application December 14, 1940, Serial No. 370,170
10 Claims. (Cl. 271—89)



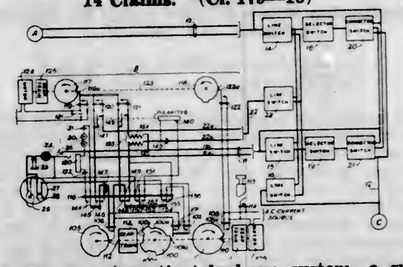
1. In a jogging machine, a sheet abutment member having projecting irregularly arranged and non-continuous contact edges for engaging edges of the sheets jogged on the machine.

2,274,714
FOLDING BOX
David Levkoff, Brooklyn, N. Y.
Application May 18, 1940, Serial No. 335,905
4 Claims. (Cl. 229—34)



1. A folding rectangular cardboard box blank including a rectangular panel forming at least a portion of the bottom wall, a rectangular one-piece panel integral with the bottom wall panel and of a width substantially equal to that of the bottom wall and of a length equal to the combined length of the bottom and end walls of the box formed by said blank, said one-piece panel having transverse fold lines adjacent each end defining an intermediate side wall forming panel and auxiliary end wall panels, said one-piece panel further having a longitudinal medial slot extending entirely across the side wall forming panel and separating the same into separate side wall panels, said slot extending into the auxiliary end wall panels with its ends terminating in the auxiliary end wall panels substantially midway of the height thereof, the edges of the slot along the side wall forming panel forming the top edges of the side wall panels and the bottom edges of the side wall panels lying along the outer edges of the said one piece panel, diagonal hinge scores extending from the bottom corners of the side wall panels to the respective adjacent terminal ends of the slot and being disposed at a substantially forty-five degree angle relative to the bottom edges of the adjacent side wall panels to provide folding corner webs, and end wall panels integrally connected to the respective auxiliary end wall panels along hinge scores for folding inwardly against the respective auxiliary end wall panels when the blank is folded to erected box forming position.

2,274,715
CALLING APPARATUS
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 30, 1939, Serial No. 282,016
14 Claims. (Cl. 179—18)



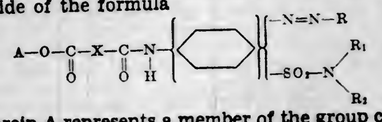
1. In an automatic telephone system, a substation, a pair of lines extending to said substation, an impulse sender, means for selectively connecting said impulse sender to transmit switch control impulses over either of said lines, and means operative in response to a call routed to said substation for initiating the operation of said impulse sender only when said impulse sender is connected to transmit impulses over a predetermined one of said lines.

2,274,716
CARBOXYLIC ACID AMIDE DERIVATIVES AND METHOD OF MAKING
Chauncey Allan Lyford, Elma, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application May 20, 1939, Serial No. 274,835
17 Claims. (Cl. 260—518)

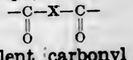
1. As a new chemical compound a member of the group consisting of mono-arylamides of polycarboxylic acids of which the carboxyl groups are mutually joined by a carbon to carbon linkage, containing a primary amino group and a sulfonamide group as nuclear substituents of the arylamine residue, and water soluble salts thereof.

2,274,717
AZO DERIVATIVES OF CARBOXYLIC ACID AMIDES AND METHOD OF MAKING
Chauncey Allan Lyford, Elma, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application August 9, 1939, Serial No. 289,210
10 Claims. (Cl. 260—199)

1. As a new chemical compound a monoanilide of the formula



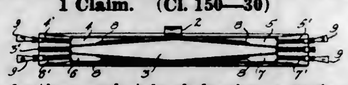
wherein A represents a member of the group consisting of hydrogen and water-soluble-salt-forming metals and groups;



represents a divalent carbonyl radical of the group consisting of aliphatic and aromatic dicarboxylic acid residues in which X represents a carbon to carbon linkage; R represents the residue of a member of the group consisting of azo dyestuff coupling components of the benzene, naphthalene, anthracene, and pyrazolone series; and R_1 and R_2 each represents a member of the group

consisting of hydrogen and alkyl, aralkyl, aryl, and cycloalkyl radicals.

2,274,718
POCKETBOOK
Helen J. Lyndes and Mary R. Kies, Cleveland, Ohio
Application March 25, 1940, Serial No. 325,770
1 Claim. (Cl. 150—30)



A budgeting pocket-book having a main middle compartment extending the full length thereof and a plurality of separate substantially flat smaller compartments each extending substantially half-way along the body of the pocket-book and in aligned pairs upon opposite sides of said middle compartment, said pocket-book being otherwise closed, all of said compartments opening along the same edge portion of the pocket-book, means upon the inside of each individual smaller compartment for identifying the specific purposes for which the contents thereof are intended, "hookless" fastening means along the same edge portion of all of said compartments for individually closing the same, and means provided upon each individual opening means of said "hookless" fastening means for indicating the general nature of the items allocated to each of said smaller compartments.

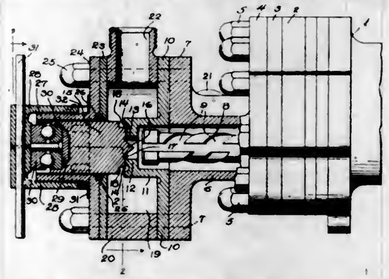
2,274,719
METHOD OF AND MEANS FOR APPLYING ORNAMENTATION
George Albert Lyon, Allenhurst, N. J.
Application October 6, 1939, Serial No. 298,223
6 Claims. (Cl. 40—135)



6. In an ornamentative device having an aperture curved wall provided with an aperture corresponding in shape to that of an ornament such as insignia, a letter and the like to be disposed therein, an ornament fitted from the rear through said aperture in said wall including a strip of bowed shape and a portion projecting beyond said aperture so as to be visible on the outer side of said wall, said ornament strip on the rear side of said wall having a flange forming a shoulder for overlapping and engaging the under surface of the margin of said wall about said aperture to retain the ornament from falling out of said aperture, and resilient means on the rear side of said wall for pressing against said flange to force said ornament outwardly through said aperture and to hold said shoulder tightly against the rear surface of said wall, said wall having flange means spaced rearwardly therefrom and said resilient means comprising a normally substantially flat resilient strip flexed and bowed under tension with portions thereof disposed behind said flange means and in said space between said wall and flange means.

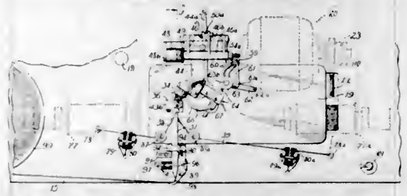
2,274,720
COMBINATOR HEAD OR HOMOGENIZER
John Marco, Philadelphia, Pa., assignor to Marco Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 29, 1939, Serial No. 287,422
3 Claims. (Cl. 252—359)

1. In an homogenizer structure, a chamber having inlet and outlet means therefor, a valve seat provided with a passage communicating with said inlet means, a substantially cylindrical valve adapted for abutment with said seat, the outer end of said valve having a cup-shaped recess therein, means for manually adjusting



said valve with respect to said seat including a thrust bearing fitting within the recess, and an alining disk in the recess interposed between the thrust bearing and the inner end of the recess and cooperating with the thrust bearing and the annular wall of the recess to maintain the valve in alinement with respect to its seat.

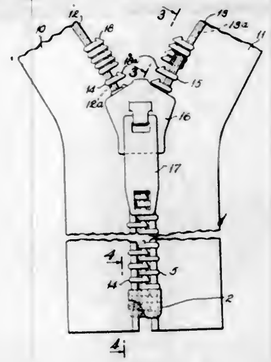
2,274,721
SEWING MACHINE ATTACHMENT
Davis Marinsky and Louis H. Morin, Bronx, N. Y.
Application May 25, 1938, Serial No. 209,889
4 Claims. (Cl. 112—2)



1. A stitching machine for producing a beaded edge tape for separable fastener stringers wherein the tape is curved throughout the length thereof, said machine having means for forming a stitching, means for guiding a tape through the stitching means, means for guiding two cords twisted in opposite directions through the stitching means with one cord disposed above and the other cord below the tape and with both cords at one edge portion thereof whereby both cords will be stitched to the tape in one line of stitching, and separate adjustable tension devices engaging the tape and each of said cords to control the degree of curvature of the resulting stringer tape and the line of stitching employed in securing the parts together.

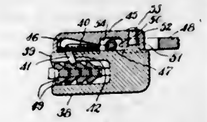
2,274,722
METHOD OF FORMING THERMOPLASTIC FASTENERS
Davis Marinsky, Bronx, N. Y., assignor, by mesne assignments, of one-half to said Davis Marinsky, and one-half to Louis H. Morin, Bronx, N. Y.
Original application March 6, 1937, Serial No. 129,316. Divided and this application August 10, 1938, Serial No. 224,008
2 Claims. (Cl. 18—59)

1. The herein described method of forming end stops on the stringers of separable fasteners, said stringers having cellulose acetate links including coupling portions arranged longitudinally thereof normally in equally spaced relationship to each other, moving predetermined end links at one end of each stringer longitudinally of the stringer in the direction of the other links thereon to stack and nest a predetermined number of said links including the coupling portions thereof, then securing said stacked and nested



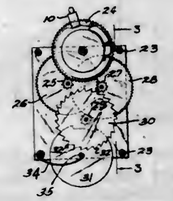
links together with a suitable cement to form a blocking end stop at said end of each stringer, coupling predetermined links at the other ends of the stringers together, and then applying a suitable cement to said coupled links to secure said links against separation and applying a stop plate to the secured links in the operation of cementing said links together to form an end stop at said last named end of both stringers.

2,274,723
AUTOMATIC LOCK SLIDER
Louis H. Morin, Bronx, N. Y., assignor, by mesne assignments, of one-half to said Louis H. Morin, and one-half to Davis Marinsky, Bronx, N. Y.
Application January 12, 1940, Serial No. 313,472
8 Claims. (Cl. 24—205.5)



8. A lock slider for separable fastener stringers comprising a channeled body, one wall of said body having an elongated recess, a lock element seating in said recess to key the same to said slider wall, the outer end of the recess being enlarged and said element having a flange extending into the enlarged portion, a spring seating in the enlarged portion and on the flange to support the element in operative position, the other end of the slider having an aperture opening into the channel of said body, a hook part on said element operatively extending through said aperture into the channel of said body, means comprising interengaging beveled walls between said hook part and slider wall to limit movement of said element in one direction, and means whereby said element may be manually moved longitudinally of the slider body against the action of said spring to withdraw the hook part thereof from the channel of said body.

2,274,724
CLOCK MECHANISM
Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.
Application January 2, 1940, Serial No. 312,038
6 Claims. (Cl. 58—117)



3. A clock escapement mechanism comprising a scape wheel and a balance wheel, said balance wheel being provided with a pallet formed of a straight piece of wire with one end secured to said balance wheel and the other end disposed to engage said scape wheel, said wire being of spring material so that its unsecured end yields upon contact with said scape wheel, there being means positively limiting the extent of oscillatory movement of the balance wheel before the spring wire is deformed sufficiently to affect its elasticity.

5. In a clock escapement mechanism, a scape wheel, a balance wheel, a shaft mounting the latter, a bearing member journalling said shaft, and a spring having an arcuate hook portion partially surrounding said shaft, said spring being tensed to thrust the concave face of said hook portion against said shaft and to thrust the latter against the opposing side of said bearing.

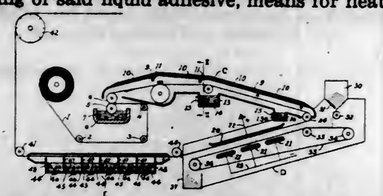
2,274,725
FILTERING COMPOSITION
David Olan Meeker and Edward E. Henderson, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application June 16, 1938, Serial No. 214,048
3 Claims. (Cl. 167—90)

2. A product for use in preventing sunburn of the human skin when exposed to sun rays, but permitting the passage of wave bands having a beneficial effect upon human skin, comprising a preparation containing a substantial amount of a non-irritating vehicle carrying hydroquinone and a minor portion of an anti-oxidant of the group consisting of metabisulfites of alkali metals and alkaline earth metals, said preparation being adapted to be spread upon the human skin and being non-irritating to the skin, the anti-oxidant being present in an amount sufficient to give the preparation a pH value under 7, said preparation being stable and retaining substantially its normal color over long periods of time.

2,274,726
MANUFACTURE OF ABRASIVE COATED WEBS
Romie L. Melton, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application April 13, 1940, Serial No. 329,423
5 Claims. (Cl. 91—55)

1. Apparatus for the manufacture of granular coated webs comprising means for applying a layer of liquid adhesive to a web, a chamber

through which said adhesively coated web is passed, means within said chamber for controlling the atmosphere of said chamber to prevent drying of said liquid adhesive, means for heating



the upper surface of the chamber walls to a temperature above that of the enclosed atmosphere whereby condensation of vapors thereon is prevented, and means for applying granular particles to the adhesively coated web.

2,274,727

SCRIBING AND CUTTING DEVICE

Howard V. Neiss and Walter E. Etter, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 28, 1938, Serial No. 248,030

9 Claims. (Class 33—42)



1. A scribing device adapted for use in laying surface coverings comprising a frame having an opening extending longitudinally thereof, one end of said frame terminating in two spaced points adapted to be placed against an arcuate surface from which a line is to be scribed having substantially the same contour as such surface, and an adjustable scribing pin mounted on said frame, said pin including a finger portion having a depending threaded spindle, a point in said spindle extending through the opening in said frame, an interiorly threaded center portion, and an interiorly and exteriorly threaded bottom portion, the interior threads of said bottom portion engaging the threaded spindle, the exterior threads of said bottom portion engaging the threads of said center portion thereby clamping the frame between the bottom portion and the center portion and removably securing the pin to the frame.

2,274,728

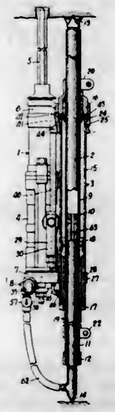
ROCK DRILL

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 22, 1940, Serial No. 341,919

6 Claims. (Cl. 255—51)

1. In a stoper type rock drill of the self-supporting type, the combination comprising a fluid actuated extensible support including cooperating relatively reciprocable supporting cylinder and piston elements having abutment engaging elements engageable with extraneous abutments at the remote extremities of said support, means for supplying pressure fluid to said support cylinder element to effect extension of said support, a hammer motor for percussively actuating a drill steel and arranged with its longitudinal axis parallel with the longitudinal axis of said support and movable along one side of said support during feeding movement thereof while said support remains stationary, fluid actuated means for feeding said motor longitudinally along said support while solely supported and guided by the latter including cooperating relatively movable feed piston and cylinder elements coaxial with and surrounding said support and movable bodily axially relative thereto in guided relation therewith, releasable means for locking said feed cylinder element against movement relative to said support, means for supplying pressure fluid to said feed cylinder element for moving the latter along said support when said locking means is released, releasable means for locking said feed



piston element in adjusted positions to said support, said feed cylinder element being movable under the action of pressure fluid therein relative to said feed piston element when the latter is locked and said feed piston element being movable under the action of pressure fluid in said feed cylinder element relative to the latter when its own locking means is released, and operative connections between one of said feed piston and cylinder elements and said hammer motor.

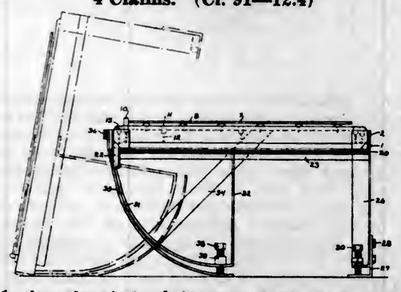
2,274,729

GLASS HANDLING APPARATUS

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application January 12, 1940, Serial No. 313,557

4 Claims. (Cl. 91—12.4)



1. An elevated platform adapted to support glass plates during silvering operations comprising a skeleton frame, a series of transverse members secured thereto in spaced relation, cushioning elements carried by the transverse members, a trough disposed beneath the frame, vertical legs dependent from two corners of the frame, and curved legs dependent from the remaining corners of the frame, extending thereunder and braced centrally thereof, upon which the frame is rotatable from a horizontal position to a substantially vertical position.

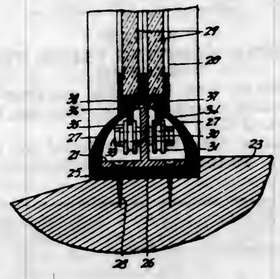
2,274,730

WEATHERPROOFED GLAZED PANEL

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application May 3, 1940, Serial No. 333,144

2 Claims. (Cl. 189—64)



1. In a window construction, a plurality of relatively movable glazed sashes, a stationary guide rail interconnected with the sashes in sliding relation, flanged rollers carried by the guide rail, runner flanges formed on the sashes and riding in guided relation upon the flanged rollers, the outer opposite faces of the sashes having shouldered portions, and a sealing channel having converging resilient walls yieldably engaging the shouldered portions of the sashes, said walls along their longitudinal edges bridging the space from the edge of the sash to the rail and thereby providing a substantially continuous seal from sash to rail at the marginal portions of the sash.

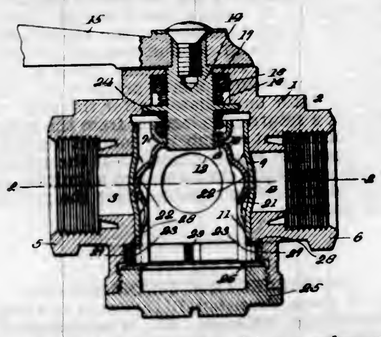
2,274,731

VALVE ASSEMBLY FOR FUEL SYSTEMS

Arthur L. Parker, Cleveland, Ohio

Application March 17, 1941, Serial No. 383,826

12 Claims. (Cl. 251—96)



1. A valve assembly comprising a valve casing having a cylindrical chamber with at least one port leading from said chamber through the cylindrical wall thereof, a rotary valve member including a flexible wall for closing said port, a yielding member mounted for movement with the valve member and bearing on the wall thereof for flexing the same into said port to afford a tight seal when the valve is in closed position, and a stationary control member contacting with said yielding member, said stationary member being shaped so as to release the pressure of the yielding member on the wall of the valve upon the initial turning of the valve for moving the same away from closed position.

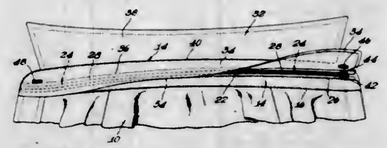
2,274,732

GARMENT

William E. Paulsen, Burlingame, Calif.

Application November 15, 1939, Serial No. 304,614

3 Claims. (Cl. 2—139)



1. The combination of a shirt having a neckband, a detachable collar having a single button hole located at one end thereof, a slide fastener connection between the collar and the neckband for detachably connecting the collar with the neckband, and a button carried by the slide element of said slide fastener for insertion through said button hole, said slide fastener being angled with respect to the neckband and the collar to bring said slide element directly underneath said button hole in the buttoned condition of the collar and the slide fastener to one side of the button hole at the end of the collar opposite the slide element thereof when positioned for insertion of said button through said button hole.

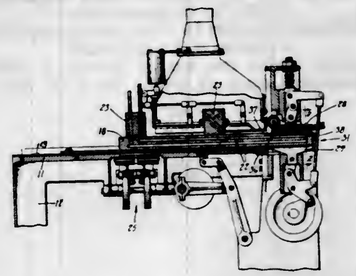
2,274,733

CAN BODY MAKING MACHINE

Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

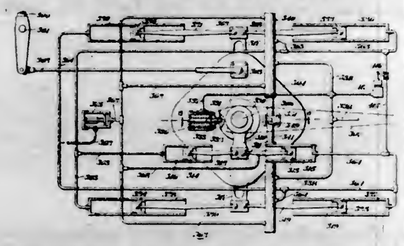
Application August 22, 1940, Serial No. 353,767

3 Claims. (Cl. 93—36)



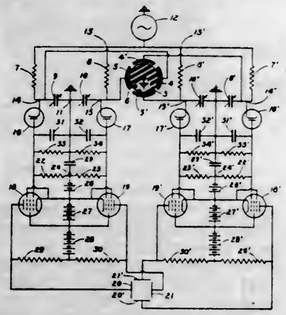
1. In a can body making machine, the combination of feeding devices for advancing can bodies along a predetermined path of travel through the machine, a forming horn unsupported at one end for the can bodies, guide members adjacent said horn, and a floating horn element forming a part of said horn for supporting said can bodies, said horn being freely movable relative to said horn element so that the latter will remain stationary relative to said guide members even when the horn shifts, thus preventing pinching of the can bodies between the guide members and the horn during their passage therealong.

2,274,734
CONTROL APPARATUS FOR LAND, MARINE, AND AERIAL VEHICLES
Robert Esnault-Pelterie, Boulogne-Billancourt, France, assignor to Spladis, Societe pour l'Application d'Inventions Scientifiques, a corporation of the Grand Duchy of Luxembourg
Application May 27, 1939, Serial No. 276,249
In Switzerland May 30, 1938
13 Claims. (Cl. 60—52)



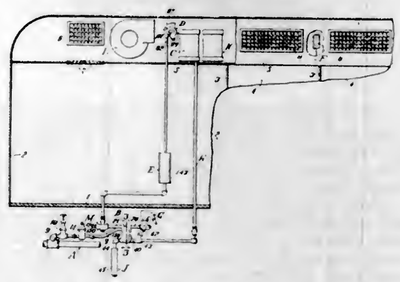
1. Control apparatus for a land, marine, or aerial vehicle which comprises a control for the vehicle, a servo-power device arranged to actuate said control, a manually operable part, means responsive to movemnet of said part for actuating said servo-power device to actuate said control, and means for actuating said control responsive to movement of said manually operable part when there is failure of power supply for actuating said servo-power device, said last-named means being arranged so as to increase the leverage ratio in favor of the operator upon such failure and also so that a substantially greater extent of movement of said part is then required to effect a given extent of movement of said control than when said control is moved by said servo-power device.

2,274,735
APPARATUS FOR DETERMINING THE POSITION OF THE CONDUCTOR IN ELECTRICAL CABLES
Melville F. Peters, Beltsville, and Theodore B. Godfrey, Bethesda, Md.
Application October 18, 1938, Serial No. 235,700
3 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for determining the position of the conductor in an insulated cable, comprising; two pairs of electrodes, the electrodes of each pair being placed on opposite sides of the cable, said electrodes in the aggregate forming a hollow segmented cylinder through which the cable may be drawn, a bridge circuit connecting the electrodes of each pair with oppositely located deflection plates of a cathode-ray oscillograph, the relative positions of said deflection plates being the same as those of their corresponding electrodes, and means in said bridge circuits to vary the potential of each deflection plate in proportion to changes of capacity between its corresponding electrode and the conductor, whereby the cathode-ray beam will move in a corresponding direction and in an amount proportional to lateral movement of the conductor in the cable.

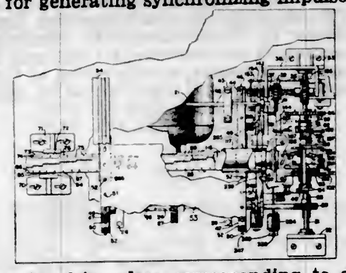
2,274,736
PRESSURE-STARTING VAPOR HEATING SYSTEM
Paul B. Parks, Oak Park, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application May 17, 1940, Serial No. 335,721
10 Claims. (Cl. 237—6)



5. In a pressure-starting vapor heating system, a source of steam, a regulator comprising a supply chamber, a valve for controlling the flow of steam from the source to the supply chamber, a thermostat chamber, a thermostatic member in this chamber adapted to move the valve toward open or closed positions, a radiator, an inlet valve at said radiator, means for alternately opening and closing said inlet valve at short intervals in accordance with the heat requirement in the space heated by the radiator, a supply conduit including a reserve steam supply tank between the supply chamber of the regulator and the inlet valve, said conduit having a capacity sufficient to hold enough steam under a predetermined super-atmospheric pressure to rapidly fill the radiator immediately after the inlet valve is opened, a return pipe leading from the radiator to the thermostat chamber, a conduit leading directly from the supply chamber of the regulator to the thermostatic chamber, and a limiting valve in this conduit which opens under the predetermined pressure.

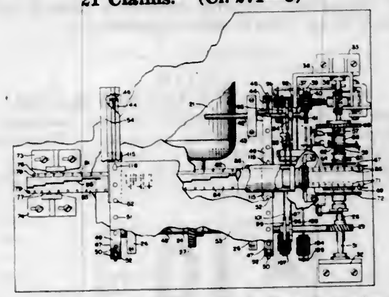
2,274,737
PHOTOELECTRIC TRANSMITTER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 20, 1937, Serial No. 180,716
38 Claims. (Cl. 178—17)

1. In a telegraph transmitter adapted to be controlled by record material carrying signaling indicia arranged in successive parallel lines as in ordinary reading matter, means for photoelectrically scanning each signal combination in a line in succession and each line in succession, means for generating signaling impulses according to the signal combinations scanned, and means for generating synchronizing impulses be-



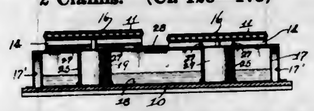
tween sets of impulses corresponding to signal combinations.

2,274,738
SHEET HANDLING MECHANISM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application December 20, 1937, Serial No. 180,716. Divided and this application December 30, 1939, Serial No. 311,737
21 Claims. (Cl. 271—8)



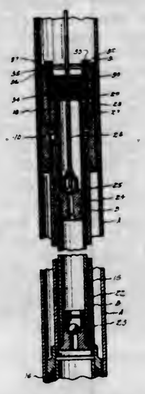
1. In a sheet storing and the transferring mechanism a storing platform, a unidirectionally rotatable sheet feeding element associated with said platform, a conveyor, means controlled by said conveyor for transferring sheets individually to said conveyor, and means also controlled by said conveyor for rotating said sheet feeding means periodically.

2,274,739
APPARATUS FOR TREATING FEET AND THE LIKE
William C. Rast, Seattle, Wash.
Application August 21, 1939, Serial No. 291,142
2 Claims. (Cl. 128—173)



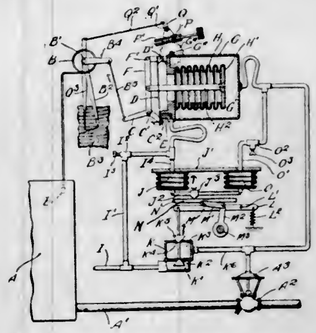
1. Apparatus of the class described comprising an openwork downwardly yielding, spring held platform; an air compressing cylinder arranged under said platform; a piston arranged in said cylinder to be operated by downward movement of said platform; a closed tank arranged under said platform; and an atomizer having its air tube connected with said air compressing cylinder and arranged to spray a foot on said platform, the liquid intake tube for said atomizer opening into and receiving supply from said tank.

2,274,740
WORKING BARREL SUPPORT
Joseph H. Reynolds, Cisco, Tex.
Application December 1, 1937, Serial No. 177,394
7 Claims. (Cl. 103—181)



1. A support for a working barrel including, a well casing, a supporting collar, means for anchoring said collar within the well casing and having an internal seat therein, a working barrel, a seating member having a seat portion arranged to engage said seat and having a threaded bore for receiving the working barrel, whereby said barrel is supported by the member and is removable therewith from the casing without disturbing the collar, and means at the top of the collar and arranged to engage the casing wall for preventing extraneous matter present in the well fluid from falling downwardly between the collar and casing.

2,274,741
CONTROL APPARATUS
Harry A. Rolnick, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 1, 1938, Serial No. 188,030
6 Claims. (Cl. 236—82)



1. In air control apparatus, the combination with a pressure responsive device, of means, comprising an adjustable valve mechanism and means responsive to variations in a control quantity for adjusting said valve mechanism, for subjecting said device to a pressure varying promptly and in predetermined relation with variations

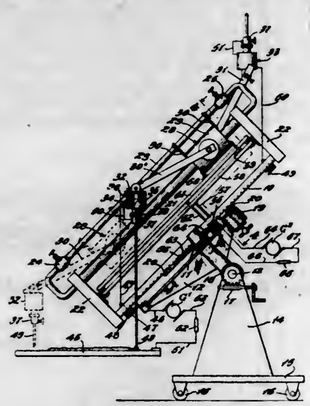
in said control quantity, means including a second adjustable valve mechanism for maintaining a control pressure dependent on the adjustment of said second valve mechanism, a second means to adjust said first valve mechanism, a non-restricted flow passage through which changes in said controlled pressure operate said second adjusting means to adjust said first valve mechanism in a direction opposite to the movement imparted to it by the control responsive means, a second pressure responsive device, means including a restricted flow passage through which changes in said control pressure are slowly transmitted to said second responsive device, and lever mechanism separate from said first mentioned valve mechanism actuated jointly by the two pressure responsive devices to directly adjust said second valve mechanism in prompt response to a change in the pressure to which the first mentioned responsive device is subjected, and to effect a retarded adjustment of said second valve mechanism on a change in said control pressure in a direction augmenting the last mentioned change.

2,274,742

WELDING APPARATUS

Bela Ronay, Annapolis, Md.

Application May 10, 1941, Serial No. 392,885
2 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



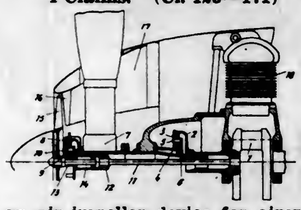
1. A welding apparatus comprising a base mounted for movement along a line being welded; a support mounted on said base for adjustment to an angle with the horizontal; a cradle mounted on said support for rotation about a pivot located intermediate its ends; a carriage mounted on said cradle for movement longitudinally thereof; an electrode holder mounted on said carriage at each end thereof, said carriage being movable downwardly along said cradle under the influence of gravity to feed an electrode in the lowermost holder toward the structure being welded; and means for adjusting the rate of downward movement of said carriage along said cradle to correspond to the rate of consumption of said electrode, said cradle being rotatable about said pivot to reverse the position of said holders and move a fresh electrode in the uppermost holder into welding position when the first mentioned electrode is consumed to in turn descend toward said structure.

2,274,743

AIR IMPELLER DEVICE

Hans Rosskopf, Berlin-Charlottenburg, Germany, assignor to Brandenburgische Motorenwerke Gesellschaft mit beschränkter Haftung, Berlin-Spandau, Germany, a corporation of Germany

Application April 17, 1939, Serial No. 268,213
In Germany April 25, 1938
4 Claims. (Cl. 123—171)



1. In an air-impeller device for aircraft having a propeller, in combination, a rotary air-guiding cowl coaxial with said propeller, said cowl being connected with said propeller so as to rotate therewith, a blower disposed in front of and coaxial with said propeller, said blower being arranged near the inlet opening of said cowl, and driving means for actuating said propeller and blower, said means comprising a gear for imparting to said blower a rotary speed higher than that of said propeller.

2,274,744

INSERT TAB FOR LICENSE PLATES

Allen F. Ruffin, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application November 23, 1937, Serial No. 176,027
18 Claims. (Cl. 40—125)



13. The combination of a main plate having insignia thereon comprising letters and figures designating the serial, number and State of a registration and a panel thereon; the said letters, numbers and panel having raised surfaces on a substantially equal plane above said main plate, a color medium applied to said raised surfaces, a year number plate having perforations in the form of a number indicating the year of said registration mounted upon said panel and means comprising prongs on said year number plate extending through openings on said panel and bent back upon the rear surface of said main plate for securing said year number plate thereon.

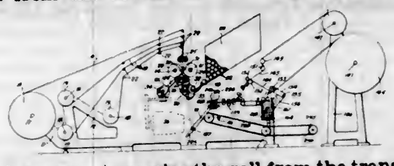
2,274,745

EQUIPMENT TO PRODUCE PACKAGED ROLLS

Rudolph H. Schultz and Adam J. Siebert, Brooklyn, N. Y., assignors to Schultz Engineering Corporation, Brooklyn, N. Y., a corporation of New York

Application August 2, 1940, Serial No. 351,027
18 Claims. (Cl. 93—2)

1. In a machine of the character described, the combination of means forming a rewind station and a wrapping station, in which continuously feeding webs of material to be rewound are severed into sheets of predetermined length and rewound on cores, means to transfer the rewound roll from the rewind to the wrapping station,



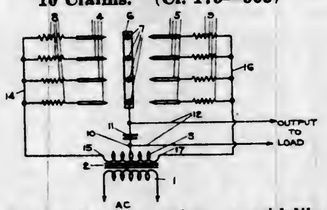
caging means to receive the roll from the transfer means, means to feed wrapping material in a continuous web, sever the same into sheets and secure the wrapper about the roll.

2,274,746

RECTIFICATION SYSTEM

John V. Sharp, Cleveland Heights, Ohio, assignor to Slayter Electronic Corporation, Newark, Ohio, a corporation of Ohio

Application May 20, 1938, Serial No. 209,118
Renewed June 19, 1940
10 Claims. (Cl. 175—363)



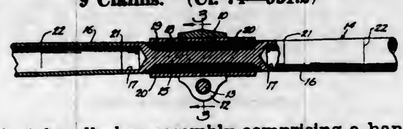
1. In a rectification system, a grid-like target electrode including a plurality of longitudinally extending conductive member, a multiplicity of discharge points spaced transversely with respect to the longitudinally extending conductive members, said discharge points being symmetrically arranged in two-dimensional banks on opposite sides of said target electrode and terminating in planes equi-distant from opposite sides of said target electrode, an alternating current power supply system including a transformer having a primary and a secondary winding, said secondary winding having opposite ends thereof connected with the respective banks of said discharge points, a condenser, a connection from one side of said condenser to the electrical mid-point of said secondary winding, a connection from the opposite side of said condenser to said target electrode, and an output circuit connected at opposite sides of said condenser for supplying rectified current to a load.

2,274,747

CUSHIONED HANDLE BAR FOR BICYCLES

Frank W. Schwinn, Chicago, Ill.

Application May 23, 1940, Serial No. 336,689
9 Claims. (Cl. 74—551.2)



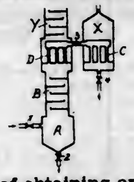
1. A handle bar assembly comprising a handle bar formed by a central section formed from solid stock and side pieces formed from tubular stock and butt welded at their inner ends to and in register with the ends of the center section, the ends of the center section being counterbored to present short tubular ends of thickness and outside diameter substantially the same as the inner ends of the handle bar pieces, the center section, intermediate its ends, being of reduced diameter to form a rod-like core, a rubber sleeve surrounding the core and having an outside diameter substantially the same as the diameter of the ends of the center section, and a ferrule having a bore of substantially the diameter of the ends of the center section and surrounding the sleeve but out of contact with the center section, the rubber being vulcanized to the core and to the ferrule substantially throughout their lengths, and the outer surface of the ferrule being formed to be received in, and clamped by, the clamping eye of a bicycle steering post.

2,274,748

METHOD FOR OBTAINING DISSOLVED VOLATILE SUBSTANCES FROM SOLUTIONS

Max Seidel, Solln, near Munich, Germany

Application February 17, 1938, Serial No. 190,979
In Germany April 3, 1936
12 Claims. (Cl. 202—39)



1. A process of obtaining or separating volatile substances from hot or boiling solvents under pressure which comprises reducing the pressure on said solvent whereby a gaseous mixture containing at least some of the volatile substances is produced, separating said gaseous mixture from the remaining liquid, rectifying the gaseous mixture to concentrate the volatile substances in said gaseous mixture, condensing said gaseous mixture, each of the previously recited steps being performed at super-atmospheric pressure, and utilizing the heat resulting from the condensing step for heating purposes.

2,274,749

HYDROCARBON COPOLYMER AND METHOD OF PREPARING SAME

William H. Smyers, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 17, 1937, Serial No. 154,199
20 Claims. (Cl. 260—86)

1. A co-polymer having a molecular weight above 1500 prepared by polymerizing at a temperature below 0° C. in the presence of an active halide polymerization catalyst a mixture of an aliphatic olefine having more than two carbon atoms, and a different reactive mono-olefinic hydrocarbon capable of polymerization and containing a cyclic nucleus said materials constituting the sole reactants.

2,274,750

RECOVERY OF HIGHER OXYGEN-CONTAINING ORGANIC COMPOUNDS FROM CRUDE OILS OBTAINED BY THE CATALYTIC HYDROGENATION OF CARBON OXIDES

Hans Soenksen, Ludwigshafen-on-the-Rhine-Oppau, and Herbert Grasshof, Mannheim, Germany, assignors, by mesne assignments, to William Ellyson Currie, New York, N. Y.

No Drawing. Application August 16, 1939, Serial No. 290,518. In Germany August 30, 1938
7 Claims. (Cl. 260—450)

1. Process for recovering higher boiling oxy-

gen-containing organic compounds from a crude oil obtained by catalytic hydrogenation of a carbon oxide and containing a large amount of methanol which comprises subjecting the said crude oil to an intense extraction with an organic solvent having a preferential solvent power for the higher boiling oxygen-containing substances while adding a highly soluble alkali metal compound which reduces the solubility of the said higher boiling products in the portion miscible with water in such a quantity that the resulting mixture contains a concentrated solution thereof and separating the said higher boiling products with the said solvent in which they have dissolved.

2,274,751
COLORATION OF TEXTILE AND OTHER MATERIALS

Percy Frederick Combe Sowter and William Salkeld Meals, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 17, 1938, Serial No. 230,390. In Great Britain October 22, 1937

6 Claims. (Cl. 8—59)

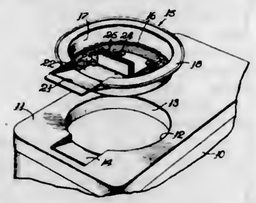
1. Process for the coloration of cellulose acetate textile materials, which comprises mechanically impregnating the material with a solution of a water-insoluble dye, which has an affinity for the cellulose acetate when applied from an aqueous dispersion, in a mixture of an organic liquid having a swelling action on the cellulose acetate and boiling below 90° C. with monochlorbenzene which constitutes from 10 to 45% of the total dye liquid, and thereafter drying the material.

2,274,752
CONTAINER

Walter F. Straub, Chicago, Ill., assignor to W. F. Straub & Company, Chicago, Ill., a corporation of Illinois

Application April 22, 1940, Serial No. 330,871

8 Claims. (Cl. 221—21)



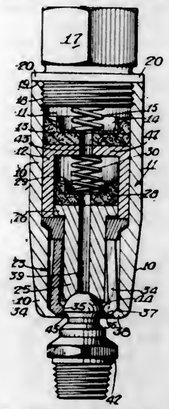
1. A container having, in combination, a relatively flat top provided with an opening and a downwardly extending flange at the periphery of the opening, said top having an indented groove extending from the opening substantially to one side of the container to provide a pouring spout, and a dished cap including a peripheral wall flange having a frictional fit within said downwardly extending flange for closing said opening, said groove having a depth at its inner end less than the depth of the downwardly extending flange so that at least part of the downwardly extending flange remains unbroken by said groove to form a tight seal with said peripheral wall flange of the cap, said groove decreasing in depth toward the side of the container.

2,274,753
MULTIJAWED CHUCK-TYPE HYDRAULIC SNAP-ON COUPLER

Edwin P. Sundholm, Albert City, Iowa

Application February 8, 1940, Serial No. 317,833

1 Claim. (Cl. 285—169)



A multi-jawed hydraulic snap-on lubricant-delivery coupler for use on headed lubricant-receiving "nipples," including a generally tubular housing shell, a perforated cup-like metallic member slidably mounted within said housing shell and serving the dual functions of a piston in relation to the housing shell, and in relation to nipple-gripping jaws contained therein, and as a cylinder for the reception within it, of a seal-actuating piston, a generally tubular metallic sealing plunger having a relatively hard metallic outer concave end-sealing surface, for sealing contact with the head of the "nipple" and having an enlarged rear piston-like portion slidably disposed within the cylindrical bore of the aforesaid dual cylinder-piston; the effective cross-sectional area of said piston-like rear portion of said sealing plunger being substantially greater than the effective cross-sectional area embraced within the sealing contact which the outer end of the sealing plunger is adapted to make with the head of the "nipple," spring means urging the aforesaid dual cylinder-piston and said sealing-actuating piston in the same direction towards the discharge end of the coupler, a plurality of circumferentially distributed more or less rigid jaw members, each having an in-turned claw for interlockingly engaging beneath the head of the lubricant-receiving "nipple," said jaws being formed separately and in non-integral relation to the aforesaid dual cylinder-piston but being arranged to be propelled forwardly thereby into interlocking engagement with the head of the "nipple," said jaws being disposed between said tubular housing shell and said tubular metallic sealing plunger; said tubular housing shell having an in-turned camming flange at its discharge end for cammingly engaging the outer surfaces of the in-turned claw portions of said jaws, without engaging the rest of said jaws rearwardly of the in-turned claws thereof.

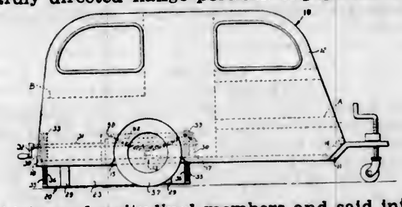
2,274,754
TRAILER

Jacob W. Theisen, Pasadena, Calif.

Application July 22, 1940, Serial No. 346,710

1 Claim. (Cl. 296—23)

In a trailer, a chassis frame including a pair of inner longitudinal members and a pair of outer longitudinal members, said frame further including a forward cross member, an intermediate cross member, and a rear cross member, a single floor member disposed between said inner pair of longitudinal members and said intermediate cross member and said rear cross member, means to mount said floor member for vertical movement between said longitudinal members and said cross members, said floor member comprising an open topped, rectangular, box having a bottom with parallel rigid sides and parallel ends thereon, said box sides and ends including outwardly directed flange portions engageable with



said inner longitudinal members and said intermediate and rear cross members when said floor is in a lower position, guiding means disposed on said longitudinal members and engaging the sides of said floor member, a shaft mounted adjacent one of said inner longitudinal members and extending from said intermediate cross member to said rear cross member and having a drum secured thereto adjacent each end, a pair of cables secured to each drum, means to secure each of said cables to a corner of said floor member, guide means engaging said cables and means to rotate said shaft, rotation of said shaft causing vertical movement of said floor member.

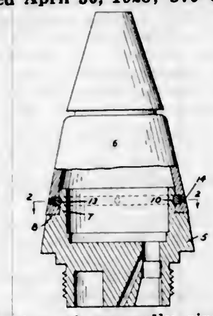
2,274,755
FUSE

Harold G. Towner, New Haven, Conn.

Application April 6, 1938, Serial No. 200,333

1 Claim. (Cl. 102—36)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



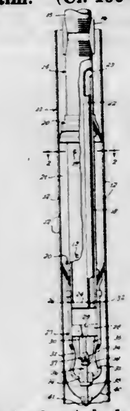
A fuse casing of generally circular shape in horizontal cross section including an annular groove having outwardly diverging upper and lower side walls, a setting cap mounted on the base for rotatable movement relative thereto and provided with a radial inwardly opening annular groove of generally U-shape in cross section and having upper and lower walls adapted to be registered with the outer termini of said diverging upper and lower side walls, respectively, a split ring of generally rectangular shape in cross section having radial inwardly converging upper and lower corners adapted to engage said diverging upper and lower side walls, respectively, inserted in said U-shape groove and adjustable means on said setting cap adapted to circumferentially contract the split ring to a position where its converging corners engage both of said diverging walls; whereby the setting cap and base are interlocked against axial separation and the frictional engagement between said diverging walls and converging corners may be regulated.

2,274,756
CEMENTER

William J. Travers, Jr., Bakersfield, Calif.

Application September 23, 1940, Serial No. 357,917

1 Claim. (Cl. 166—12)



In a cementing tool, a tubular member adapted to be lowered into a well on the end of a string of pipe; closure means for the lower end of said tubular member; a pair of spaced packers mounted on said tubular member and adapted to engage a well casing; said tubular member having an opening in its wall between said packers; means providing a by-pass fluid passage through said tubular member to opposite sides of the pair of packers said passage being isolated from communication with such interior portion of the tubular member as is in communication with said opening in the wall of said tubular member between said packers; means providing a valve seat in said by-pass passage; a floatable valve member below said seat and adapted for engagement therewith to prevent flow of fluid upwardly through said passage; a valve cage limiting movement of said valve member; a release rod movably mounted in said tubular member and having a portion extending to the exterior thereof; severable means securing said valve member to said rod; and a flexible casing engaging member on said rod adapted to engage the well casing to move said rod relative to said tubular member upon upward movement of said tubular member to break said severable means and release said valve member.

2,274,757
LOCOMOTIVE TENDER

James C. Travilla, Jr., University City, and Edwin C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application February 21, 1938, Serial No. 191,674

24 Claims. (Cl. 105—231)

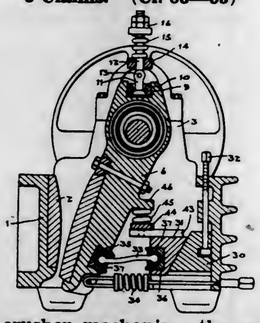
1. In a locomotive tender, an underframe having depending pedestals, wheels and axles with journal boxes mounted in said pedestals, the un-

derframe forming a tank bottom having a horizontal portion extending the full width of the



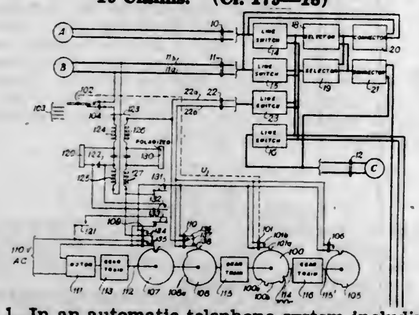
tender at a substantial distance below the level of the tops of said wheels.

2,274,758
CRUSHING MECHANISM
George B. Wettlaufer and Charles F. Wettlaufer, Toronto, Ontario, Canada
Application June 7, 1940, Serial No. 339,348
In Canada June 15, 1939
5 Claims. (Cl. 83—53)



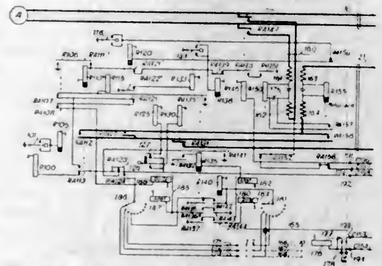
1. In a crusher mechanism the combination with a crusher frame having an eccentric shaft journaled therein and an oscillating crusher member eccentrically mounted on said shaft, of a floating frame member mounted thereabove and straddling said shaft, means interposed between said crusher frame and floating frame at either side of the shaft axis for resiliently suspending said floating frame member, and means forming an adjustable connection between said floating frame and said crusher member and arranged to transmit the thrust of said resilient suspension means to the crusher member to offset the weight thereof.

2,274,759
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 30, 1939, Serial No. 282,006
19 Claims. (Cl. 179—18)



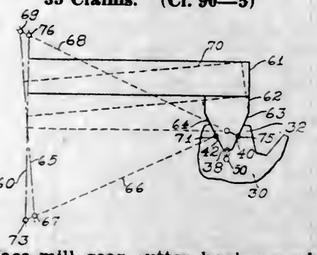
1. In an automatic telephone system including a plurality of substations and means comprising automatic switching apparatus for setting up connections between said substations, a line extending to one of said substations, said automatic switching apparatus including a connector switch operative to seize said line and to transmit ringing current thereover in routing a call to said one substation, call forwarding apparatus associated with said one line and operative directively to control said automatic switching apparatus to route a call incoming to said line through said automatic switching apparatus to any one of a plurality of other substations, means responsive to ringing current transmitted over said line for initiating the operation of said apparatus, and means operative in response to the answering of said call at said other substation for terminating the ringing operation of said connector switch.

2,274,760
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 30, 1939, Serial No. 282,007
23 Claims. (Cl. 179—18)



1. In an automatic telephone system, an exchange, a plurality of subscribers' lines extending to said exchange, said exchange comprising automatic switching apparatus for setting up connections between said lines, call forwarding apparatus in said exchange, said call forwarding apparatus being operative to forward calls incoming to one of said lines through said automatic switching apparatus to any one of several other lines of the system, a relay adapted to be connected to said one line to respond to ringing current transmitted over said one line and operative to initiate the operation of said call forwarding apparatus, and means controllable over said one line for connecting said relay to said line.

2,274,761
GEAR CUTTER AND METHOD OF CUTTING GEARS
Ernest Wildhaber, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application April 17, 1937, Serial No. 137,532
35 Claims. (Cl. 90—5)

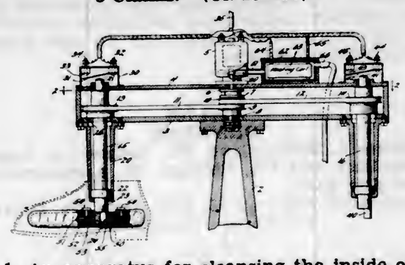


1. A face-mill gear cutter having a plurality

of cutting blades arranged part-way around its periphery with a gap between the last and first blades of sufficient angular extent to permit of indexing a gear blank, when the gap is abreast of the blank, without relative separation of the cutter and blank, said blades having finish-cutting edges and rough-cutting edges, the finish-cutting edges having a uniform inclination to the axis of the cutter and the rough-cutting edges having a progressively varying inclination to the axis of the cutter.

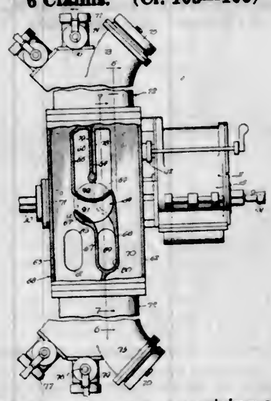
4. The method of cutting the tooth surfaces of a gear which comprises employing a face-mill cutter that has a plurality of cutting blades or teeth arranged part-way around its periphery with a gap between the last and first blades, rotating the cutter in engagement with a gear blank while producing a relative rolling movement between the cutter and blank in time with the cutter rotation so that different blades of the cutter cut at different points of the roll, and indexing the blank when the gap in the cutter is abreast of the blank, said cutter having side cutting edges whose inclination to the axis of the cutter varies around the cutter, the inclination of any of said cutting edges to the axis of the cutter being determined by the phase of the rolling motion at which the blades cuts.

2,274,762
SHOE CLEANING
Parvin Wright, Seattle, Wash., assignor of fifty-one per cent to Ray Wellington Bauer, Seattle, Wash.
Application September 20, 1939, Serial No. 295,811
3 Claims. (Cl. 15—97)



1. An apparatus for cleansing the inside of a shoe comprising a cleaning element, a shaft for actuating said element, and means for rotating said shaft; said element being movable into and out of engagement with said shaft, said element having a relatively flat bottom cleaning surface and being of a shape generally fitting the shoe whereby to prevent complete rotation of the element in the shoe, said element being provided with a recess in the upper portion thereof; said shaft being substantially vertically disposed and slidable in the direction of its axis, the lowermost end of said shaft having an eccentric engageable with the recess of said element for imparting oscillatory motion to said element when engaged with and upon rotation of said shaft, the engagement between said eccentric and said recess comprising a loose fit necessitating an upward pressure to be exerted upon said element to maintain such engagement; said means for rotating said shaft comprising an energizable clutch and an interrupter for controlling the energization of said clutch, said clutch and said interrupter each mounted coaxially of said shaft, said clutch having two members, one clutch member carried by said shaft and operatively movable into and out of engagement with the other clutch member upon sliding movement of said shaft, said interrupter actuated by the uppermost end of said shaft upon sliding movement of the latter to energize and de-energize the said other clutch member.

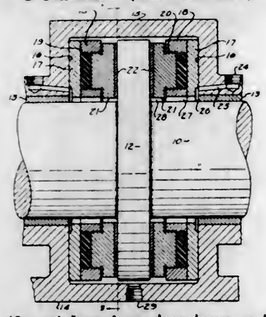
2,274,763
CENTRIFUGAL PUMP
De Witt E. Yates, Chippewa Falls, Wis., assignor to W. S. Darley & Company, Chicago, Ill., a corporation of Illinois
Application April 18, 1940, Serial No. 330,230
6 Claims. (Cl. 103—106)



1. A centrifugal pump comprising a pump casing having a pair of suction chambers and a pair of pump chambers disposed in laterally spaced relation therein and embodying in one part of the side wall thereof a pair of suction ports leading to the suction chambers respectively and a pair of discharge ports leading from the pump chambers respectively, a pair of rotary impellers disposed in the pump chambers respectively and a valve mechanism for controlling the pump for parallel or series operation, consisting of a separately formed box-like manifold having one wall thereof in abutment with said one part of the side wall of the pump casing, and embodying in its interior a suction duct, an independent discharge duct, a pair of laterally spaced passage forming webs between the two ducts, and a second pair of laterally spaced passage forming webs between said ducts and in opposed relation with the first mentioned pair of webs, and embodying in said one wall thereof a first suction port in registry with one of the suction ports in the pump casing and in direct communication with the suction duct, a second suction port in registry with the other suction port in the pump casing and in communication with the passage between said first mentioned pair of webs, a first discharge port in registry with one of the discharge ports in the pump casing and in communication with the passage between said second pair of webs, and a second discharge port in registry with the other discharge port in the pump casing and in direct communication with the discharge duct, and a single valve in the manifold between the inner ends of the manifold webs, provided with a pair of laterally spaced webs defining a pair of passages, and arranged and designed so that it is rotatable back and forth between a parallel pump position wherein one of its passages establishes communication between the passage between the said first mentioned pair of manifold webs and the suction duct and its other passage establishes communication between the passage be-

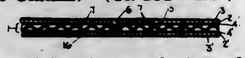
tween the second pair of manifold webs and the discharge duct and a series pump position wherein its two webs bridge said inner ends of the manifold webs and its said other passage establishes communication between the two passages that are formed by the two pairs of manifold webs.

2,274,764
THRUST BEARING
Lucien I. Yeomans, Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application October 11, 1939, Serial No. 298,915
3 Claims. (Cl. 308—160)



1. In a thrust bearing structure, a thrust face, a series of bearing plates adapted to cooperate with said face to form a thrust bearing, a supporting member adapted to support said plates, and a solid thrust transmitting connection between said member and said plates to permit said plates to tilt about axes transversely of the axis of rotation while supporting the same at substantially all points thereof, said connection comprising portions of the bearing plates having annular convex surfaces, and resilient bearing pads interposed between said supporting member and said plate portions.

2,274,765
LAMINATED SHEET
Philip Zalkind, New York, N. Y.
Application May 14, 1935, Serial No. 21,411
6 Claims. (Cl. 154—45.9)

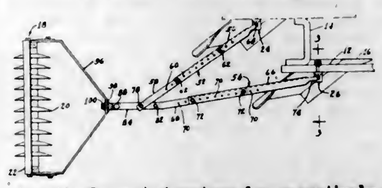


1. As an article of manufacture for forming collapsible containers, a composite sheet of laminar material comprising a thickness of paper composition material of dominating rigidity securely joined to two layers of sheet metal of the order of 30 gauge, one on each side of said paper composition material, and a crease score line in said paper composition material formed without loss of paper from said paper composition material for determining a bending line in said article of manufacture.

2,274,766
MANUFACTURE OF FLAKE COPPER POWDER
Othon Adolf Ziehl, Union, N. J., assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J., a corporation of New Jersey
No Drawing. Application July 4, 1939, Serial No. 282,809
5 Claims. (Cl. 106—290)

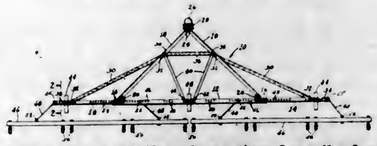
1. A wet-milling method of producing leafing copper bronze pigment, which consists in milling copper particles so as to reduce them to flake form, in a mill with a liquid hydrocarbon solvent carrying a leafing agent in solution, while maintaining in the mill an atmosphere free from oxygen and a temperature not lower than about 60° C., but below the point at which boiling occurs in the solvent, substantially as set forth.

2,274,767
ATTACHMENT STRUCTURE
William L. Zink, Plano, and George L. McKibben, Kankakee, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 6, 1939, Serial No. 254,774
11 Claims. (Cl. 280—33.44)



2. An attachment structure for operatively connecting implement means disposed in tandem relationship, comprising a draft member connected to the leading implement means and swingable up and down on an axis inclined to the direction of travel, an intermediate member connected to the draft member and swingable relative thereto on an axis transverse to the first-mentioned axis and to said direction, and a hitch member connected to the trailing implement means and the intermediate member and oscillatable relatively to the intermediate member on an axis transverse to the other axes.

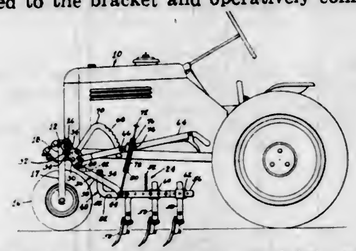
2,274,768
DRAWBAR
William L. Zink, Plano, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 15, 1939, Serial No. 256,418
10 Claims. (Cl. 55—84)



1. A draw-bar of the character described comprising a cross beam, extension beams connected to the ends of the cross beam, draft arms connected to the ends of the cross beam, and brace members connected to the draft arms and the ends of the extension beams, said extension beams being provided with a plurality of openings therein for being adjustably positioned relatively to the cross beam and the brace members.

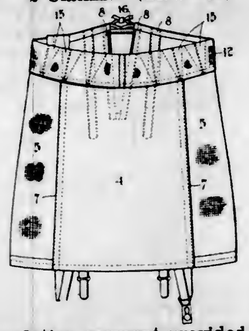
2,274,769
TRACTOR CULTIVATOR
William L. Zink, Plano, and Vernon O. Hauswirth, Kankakee, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 19, 1939, Serial No. 300,102
4 Claims. (Cl. 97—47)

1. An agricultural implement of the character described comprising a bracket adapted for being connected to a tractor, a frame swingably connected to the bracket, an extension frame pivotally connected to the first named frame, a ground working tool mounted on the extension frame, a manually operable lever movably connected to the bracket and operatively connected



to the frames for moving the tool into and out of engagement with the ground, and stop means connected with one of the frames and adapted for engagement with the other frame for retaining the extension frame in a substantially horizontal position when the tool is in or out of engagement with the ground.

2,274,770
GIRDLE OR FOUNDATION GARMENT
Louis J. A. Amyot, Quebec, Quebec, Canada
Application December 18, 1939, Serial No. 309,820
2 Claims. (Cl. 2—43)



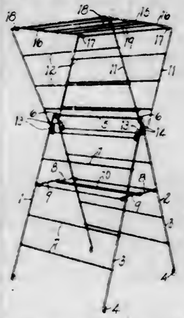
1. A foundation garment provided with a relatively narrow, circumferentially extending band at the upper edge thereof and a plurality of vertically disposed triangular members the entire area of which is stiffened, said members secured to said band and extending from the upper to substantially the lower edge of the band, said members being arranged with their apices directed downwardly and with their upper extremities or base portions disposed in close proximity to each other, the arrangement being such that the upper edge of the band is reinforced along substantially the entire upper edge thereof by the upper edges or base portions of the triangular members.

2,274,771
APPARATUS FOR CHARGING COMPRESSED GAS MATERIAL BREAKING CARTRIDGES
Frank H. Armstrong, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application May 9, 1941, Serial No. 392,815
11 Claims. (Cl. 262—12)

1. A material breaking system for coal mines, or the like, comprising a compressor stationed on the mine property, a compressed gas receiver connected to the compressor and extending through the entries, or the like, to a mine section in which coal is being broken down, said receiver having a volumetric capacity and being charged with gas at a pressure which will permit cartridge charges to be quickly withdrawn therefrom in relatively rapid succession without causing the receiver pressure to drop below the desired maximum operating pressure of a cartridge, a discharge line extending from the working face of the coal to the receiver and connected to the latter, a cartridge, having differential gas pressure operated discharge mechanism, connected to the discharge line, and means in said discharge line for controlling flow of gas to the cartridge and for controlling operation of the discharge mechanism of the cartridge to effect release of a material breaking charge.



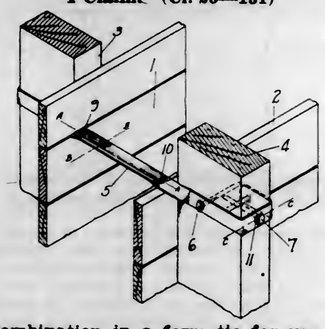
2,274,772
CLOTHES RACK
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application April 12, 1941, Serial No. 388,204
7 Claims. (Cl. 211—178)



3. A clothes rack of wire rod construction throughout comprising a pair of base members including uprights pivotally connected to one another for spreading movement to operative position, and transverse elements secured to the uprights, means limiting said spreading movement, a pair of auxiliary garment supports, each having side members pivotally engageable with an element of the respective base members adjacent the pivotal connection of the latter, and bent laterally to provide an offset engageable with an adjacent upright of the respective base members when the auxiliary supports are pivoted upwardly, to thereby automatically spread the base members outwardly, said auxiliary supports in operative position diverging upwardly and outwardly relative to one another and to a vertical plane, a cross-rack pivoted at one end to the outer extremity of one of said auxiliary sup-

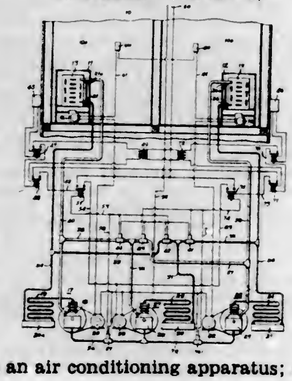
ports and at its other end having releasable engagement with the outer extremity of the other auxiliary support, said engagement of the cross-rack biasing the parts about their pivotal connections under springing stress.

2,274,773
FORM TIE
George H. Bugenhagen, Minot, N. Dak.
Application November 30, 1940, Serial No. 367,963
1 Claim. (Cl. 25—131)



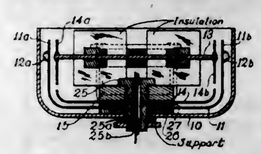
A combination in a form tie for use in constructing forming for concrete construction, having a thin flat metal strip, the ends forming anchorage extensions adapted to be tied to uprights of the opposite form facings by nails thru perforations in the anchorage ends of the said strip, the middle portion of the said strip being deformed into a V groove for stiffening, the ends of the said V groove projecting below the nailing anchorage extensions to form opposite gauge stops, the respective planes of the said extensions turned approximately at right angles to the deformed middle V grooved portion at a suitable distance outwardly from the aforesaid gauge stops, the said nailing anchorage extensions perforated to form suitable nailing means, the said perforations provided with an upturned stop to sustain the head of anchorage nails at a suitable height to facilitate the engaging of a hammer claw or a similar device for the withdrawal of the said rails.

2,274,774
REFRIGERATING APPARATUS
Jewel C. Chambers, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application November 29, 1933, Serial No. 700,171
15 Claims. (Cl. 62—6)



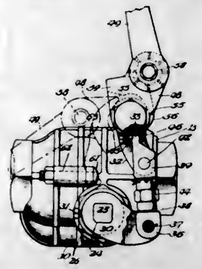
9. In an air conditioning apparatus; an evaporator, a first refrigerant liquefying unit connected to said evaporator, a booster refrigerant liquefying unit, a ray sensitive instrument automatically connecting said booster refrigerant liquefying unit to said evaporator in response to the action of rays on said instrument.

2,274,775
SIGNAL DEVICE
Irvin W. Cox, Milwaukee, Wis., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 30, 1939, Serial No. 306,801
9 Claims. (Cl. 177—7)



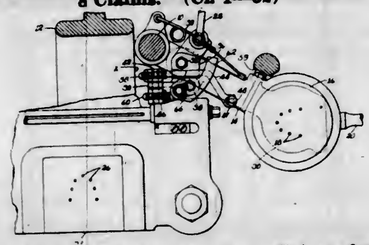
1. A signal device comprising a substantially cup-shaped gong, a striker comprising a substantially U-shaped member nested within said gong and provided with resilient legs each carrying a striker head, and electromagnetic means for actuating said legs to move said striker heads into engagement with said gong.

2,274,776
QUICK-OPENING VALVE
Edwin L. Cull, Chicago, Ill., assignor to The Okadee Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1941, Serial No. 375,122
10 Claims. (Cl. 251—10)



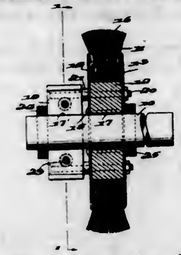
1. The combination with a valve comprising a casing provided with an inlet, an outlet and an internal seat, and a closure pivoted to swing away from the seat by the pressure of liquid from the inlet and housed in the casing between the inlet and the outlet and adapted to engage the internal seat, of an arm pivotally supported by and disposed at one side and on the outside of the casing and coupled to, and for shifting the closure, a second arm supported on and disposed at one side and on the outside of the casing, a link pivoted to, and extending between said arms, said link and second arm being arranged to swing slightly across their dead center when the closure is against the seat, abutments on the link and the second arm for limiting their movement in one direction and locking the closure on the seat, and a lever supported on the outside of the casing for shifting said second arm and tripping said link to release the closure and permitting it to be opened by the pressure of fluid from the inlet.

2,274,777
NAIL-TRANSFERRING MECHANISM
William S. Dallas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 18, 1940, Serial No. 346,169
8 Claims. (Cl. 1—32)



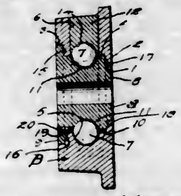
1. The combination with a nail-transferring member, of a nail-retaining member movable upon the transferring member, a movable latch for the retaining member, and a member pivoted upon the transferring member in engagement with the latch and movable by contact with a relatively fixed element to release the retaining member.

2,274,778
ROTARY POWER TOOL
Joseph A. Dantine, Green Bay, Wis.
Application November 14, 1938, Serial No. 240,374
4 Claims. (Cl. 51—190)



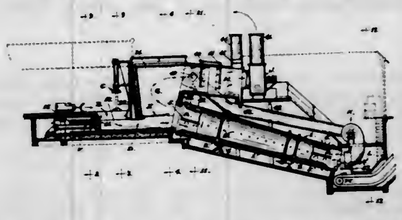
1. A rotary power tool of the class described comprising a driving shaft, a rotary tool, a collar frictionally engaging the periphery of the shaft secured to and supporting the tool, said collar being operative to rotate the tool at variable speeds relative to the shaft in dependency on the contact pressure between the operating surface of the tool and work operated upon.

2,274,779
BEARING STRUCTURE
Daniel E. Davis, San Saba, Tex.
Application June 6, 1939, Serial No. 277,727
1 Claim. (Cl. 308—187.2)



A bearing structure comprising an outer annular member and an inner member snugly engaging within the annular member, said members having relative rotation, said members having opposed ball races in the intermediate portions thereof, balls engaging within said races holding the outer member and the inner member in assembled relation but allowing relative rotation of said members, the outer member being provided substantially radially therethrough with an opening communicating with the race of said outer member, said opening being of a diameter to permit passage therethrough of the balls, a plug for closing said opening, the inserted end of the plug having a groove in register with the race of the outer member, the opening of the outer member being provided at one end portion with an inwardly disposed continuous flange, the adjacent end of the inner member having a reduced extension snugly fitting within the opening as defined by the flange, the side face of the outer member remote from the flange being provided with a rabbet surrounding the adjacent end of the opening of the outer member, the end portion of the inner member remote from the extension having an outstanding surrounding flange snugly engaging within the rabbet, the flange of the inner member and the adjacent portion of the outer member being provided with an interfitting annular bead and groove to provide a seal, the flange of the outer member and the adjacent portion of the inner member being provided with an interfitting annular bead and channel to provide a seal against the outward passage of lubricant within the races and to exclude ingress of foreign matter, the inner member at the end portion thereof provided with the flange and at a point closely adjacent to such flange being provided with a port communicating with the race of the inner member, and means for closing said port.

2,274,780
REFUSE AND WASTE INCINERATOR
Harry O. Duerr and William F. Drew, Los Angeles, Calif.
Application April 11, 1938, Serial No. 201,356
7 Claims. (Cl. 110—14)



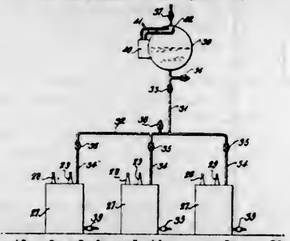
1. In an incinerator, an inclined rotary primary combustion chamber, a secondary combustion chamber, said primary combustion chamber being reduced in diameter towards its lower end and having its upper end in registration with the lower end of said secondary chamber, and a spray chamber connected to the upper end of the secondary chamber, means for feeding waste and refuse matter into the upper end of said primary chamber while maintaining the normal registration of said secondary and primary chambers, an exhaust fan connected with said spray chamber for creating a continuous forced draft through all of said chambers, and a blower for continuously discharging gaseous fluid toward the floor of the primary combustion chamber at the lower end thereof so as to blow back up into the chamber and hold in suspension for reignition and combustion the lighter particles of said matter.

2,274,781

METHOD AND APPARATUS FOR INSULATING AND COOLING STATIONARY INDUCTION DEVICES

Harry Ensminger, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application January 29, 1940, Serial No. 316,282
25 Claims. (Cl. 62—1)



1. A method of insulating and cooling power transformers comprising insulating the transformer casing against the absorption of heat from the surrounding atmosphere, insulating the transformer windings against electrical losses by maintaining the transformer casing filled with liquid carbon dioxide to a level which will cover the windings and the core, and refrigerating the carbon dioxide to maintain the liquid in the casing at a preselected subatmospheric temperature and its corresponding low vapor pressure.

2,274,782

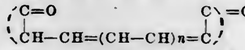
LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL

Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada

No Drawing. Application November 16, 1938, Serial No. 240,860. In Great Britain November 24, 1937

14 Claims. (Cl. 95—2)

1. A light sensitive photographic material comprising a filter dye of the general formula



wherein the hydrogen atoms of the open chain may be replaced by hydrocarbon residues, n having a value between zero and 3, inclusively, and



representing a cyclic radical having a carbonyl group neighbouring the ring carbon atom which is linked to the carbon atom of the open chain, the filter dye being present in such an amount that with respect to colored light for which said filter dye has its predominant absorption the optical density of the material is greater than 1.

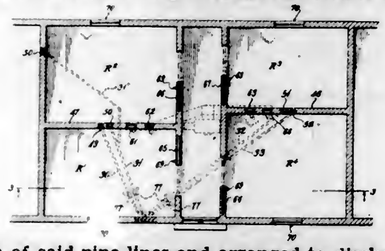
2,274,783

FIRE EXTINGUISHING APPARATUS

Eric Geertz, Glen Ellyn, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application December 2, 1939, Serial No. 307,317
26 Claims. (Cl. 169—11)

1. Carbon dioxide fire extinguishing apparatus of the type described, comprising the combination with a building having several rooms to be provided with fire protection, of a piping system including pipe lines extending from a common point exterior of the building to each one of said rooms, a normally closed manual valve in each line for starting the flow of carbon dioxide therethrough, a normally open power operated valve in each line for stopping the flow, timer means set in motion as a result of opening of the manual valve for causing the power operated valve to close after the lapse of a predetermined time interval, discharge means connected to each



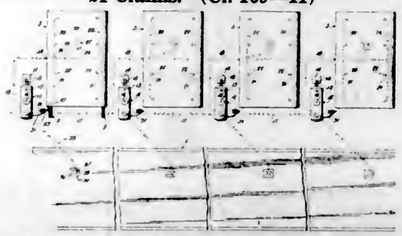
one of said pipe lines and arranged to discharge into the room to which the pipe line extends, and means for connecting a mobile source of supply of carbon dioxide to the pipe line leading to the room in which the fire is burning to effect the complete flooding of the room with carbon dioxide vapors moved under their own pressure through the single pipe line and its discharge.

2,274,784

FIRE PROTECTION SYSTEM FOR LARGE AIRPORTS

Eric Geertz, Glen Ellyn, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application December 28, 1939, Serial No. 311,430
21 Claims. (Cl. 169—11)



6. A fire extinguishing system for commercial airports, or other flying fields, each of which has a plurality of hangars, comprising an insulated storage container of several hundred pounds capacity located adjacent each hangar, means operatively connected to each container for maintaining liquid carbon dioxide stored therein at a selected subatmospheric temperature and its corresponding vapor pressure, piping interconnecting the liquid spaces of all of the containers and being arranged at a lower level than the same so as to be maintained filled with liquid carbon dioxide and to allow any vapors which may form therein to rise into one or more of the containers, and means connected to each container for discharging into its adjacent hangar any desired portion of the total amount of liquid stored in that container and all of the other containers.

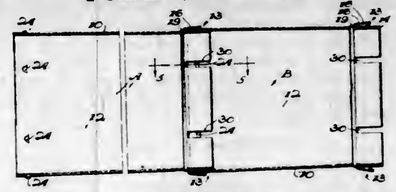
17. A method of extinguishing a fire in any one of a plurality of hangars at a commercial airport, or other flying field, comprising maintaining in bulk storage in the immediate vicinity of each one of the involved hangars a quantity of liquid carbon dioxide, at a substantially constant subatmospheric temperature and its corresponding vapor pressure, which is only a fractional portion of the entire amount of liquid carbon dioxide to be used in the extinguishment of a fire, maintaining all of the stored fractional portions of the liquid in open communication with each other so that the entire quantity of liquid will be available for continuous discharge into any one of the hangars, and discharging into the hangar in which the fire is burning, and adjacent the roof thereof so as to maintain the roof rafters at a low temperature to prevent failure of the same, a sufficient quantity of the stored carbon dioxide to effect total flooding of the interior of the hangar with carbon dioxide vapors.

2,274,785

DUCT JOINT

William J. Gray, Rochester, N. Y., assignor to Gray Metal Products, Inc., Rochester, N. Y., a corporation of New York

Application March 28, 1941, Serial No. 385,744
1 Claim. (Cl. 285—201)



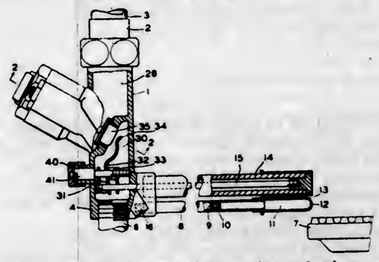
An open-ended sheet metal conduit section of rectilinear configuration in cross-section, the walls of said section each having a reverse bend at its edge portion providing an outer locking cleat and an inner double wall reinforced edge portion, said cleats and edge portions forming therebetween pockets adapted to receive therein the walls of adjacent conductor sections in an assembly installation, there being a pair of opposed slots in at least one opposed pair of walls in the reinforced edge portions thereof and extending inwardly from the edges of said walls and terminating adjacent said double wall reinforced inner edge portion, and a rib formed in each wall coextensive with said inner double wall edge portion and in engagement with the latter and serving to substantially seal the inner edges of said pockets.

2,274,786

THERMOSTATIC PILOT VALVE MECHANISM

Noel B. Green, Cleveland, Ohio, assignor to The Titan Valve and Manufacturing Co., Cleveland, Ohio, a corporation of Ohio

Application August 17, 1939, Serial No. 290,549
1 Claim. (Cl. 158—117.1)



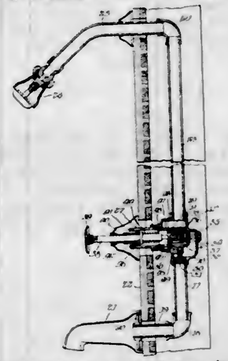
In the combination of a heating device, a fuel supply line therefor, and a pilot for said device, thermostatic control mechanism comprising a single casing providing two alined chambers and a third chamber disposed at one side thereof, one of said alined chambers housing a main burner supply valve controlling flow in said fuel supply line, a pilot maintaining valve in the other of said alined chambers, said valves having alined valve stems, the stem of said main valve being arranged to abut and open said maintaining valve when said main valve is opened, means preventing fuel leakage between said alined chambers, a thermostat heated by said pilot, an operative connection between said thermostat and said main valve for causing opening of said main valve when said thermostat is hot and for causing closing of said main valve when said thermostat is cold, a normally closed manually controlled pilot starting valve in said third chamber, a fuel supply to said pilot maintaining valve chamber on the upstream side of said maintaining valve, there being a passageway in said casing communicating between the upstream sides of said maintaining valve and said starting valve, there being a passageway in said casing communicating between the downstream sides of said maintaining valve and said starting valve, and there being a passageway leading to said pilot from the downstream side of said starting valve.

2,274,787

DIVERTER VALVE

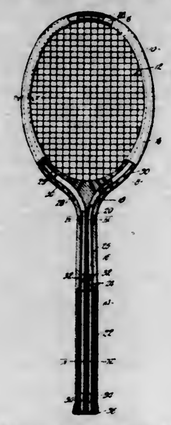
Christopher Groen, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa, a corporation of Iowa

Application December 11, 1940, Serial No. 369,523
4 Claims. (Cl. 251—137)



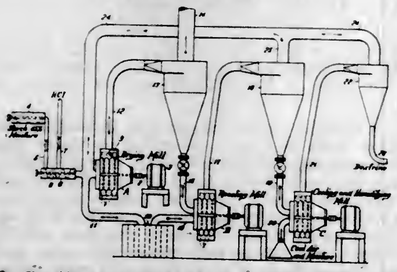
1. A diverter valve comprising, in combination, a valve body having a plurality of water inlets and a plurality of water outlets, one adapted for connection to a shower head and another adapted for connection to a tub spout, and having a central chamber with ports communicating with each of said outlets, a valve in said chamber operable to alternately open and close the said ports, spring means normally holding the said valve in closed position with respect to one of said ports, a push rod disconnected from said valve adapted to engage the said valve whereby the valve is moved away from the normally closed port and into engagement with the normally open port, the valve having an area exposed to water pressure whereby it is held in said position by the flow of water through the valve body, and a drain plug extending into the opening of the valve body leading to the tub and in aspirating relationship to the flow of water through said opening, the valve body having a drain opening therein leading from the chamber in said valve communicating the shower outlet with said drain plug.

2,274,788
TENNIS RACKET AND THE LIKE
John Hatton, Kansas City, Mo.
Application February 26, 1940, Serial No. 320,765
6 Claims. (Cl. 273—73)



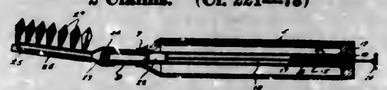
1. A racket having an oval head and a handle of molded material, and a resilient tubular member of symmetrical shape embedded in said molded material to extend about said oval head with its end portions terminating adjacent the outer extremity of said handle, and a band encompassing said tube portions adjacent the juncture of the handle with the head completely embedded in said molded material to secure the said tube portions together.

2,274,789
PRODUCTION OF DEXTRINE
Anthony C. Horesi, Downers Grove, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application July 27, 1939, Serial No. 286,837
2 Claims. (Cl. 127—38)



2. Continuous process for the production of dextrine which comprises: subjecting the starch to a drying operation which reduces the moisture content to one suitable for dextrinization of the starch by roasting; subjecting the dried starch to a beating operation while the starch is suspended in air heated to a temperature sufficient to dextrinize it; returning part of the dextrinized starch to the drying operation for re-treatment; subjecting the dextrine from the dextrinizing operation to a beating operation in suspension in cool and humid air; separating the major portion of the solids from this air and returning the air with the residual solids to the drying operation.

2,274,790
DISPENSING DEVICE
George L. Housley, South Bend, Ind.
Application March 14, 1940, Serial No. 323,978
2 Claims. (Cl. 221—78)



1. A combination handle and ejector for attachment to a toothbrush head to inject dentifrice thereinto comprising a tubular member having a rear end closure plug detachably secured therein, and a tapered front end, a plunger barrel of relatively smaller diameter than said member threaded into said front end of the member and extending therefrom, said barrel opening at its rear end into said member, an annular keeper socketed in the inner face of said plug, a tubular spring housing extending forwardly from said keeper into the member, a plunger extending through said plug, keeper and housing for manipulation forwardly of said member into said barrel, a spring in the housing tensioning the plunger against forward movement, and a plurality of plunger guide rods extending between the rear end of said barrel and said keeper in surrounding relation to the plunger and housing.

2,274,791
GOGGLES
William Harry Huggins, Janesville, Wis.
Application May 13, 1940, Serial No. 334,879
4 Claims. (Cl. 2—14)

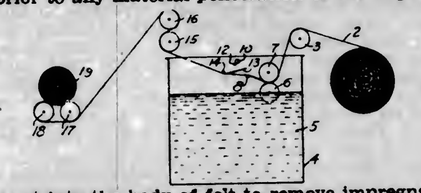


1. In goggles of the character described, a hollow translucent body comprising a front wall formed in its lower part with a nose accommodating opening dividing said front wall into two lens portions, a bottom wall extending rearwardly from and substantially following the contour of the lower edge of said front wall, a substantially straight top wall extending rearwardly from the upper edge of said front wall, opposite side walls extending between the adjacent ends of said top and bottom walls, in combination with spectacles including lenses positioned in registry with said lens portions, lugs mounted on the interior of said body behind said lens portions and engaging the rear side of said lenses and holding the lenses in place.
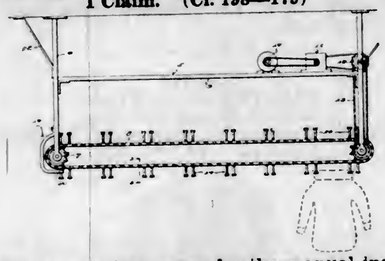
2,274,792
METHOD OF IMPREGNATING WEBS
Arthur L. Jennings, Lancaster, Pa., and Walter F. Mitchell, Fulton, and Erwin A. Worm, Jr., Oswego, N. Y., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 30, 1938, Serial No. 227,532
14 Claims. (Cl. 91—70)

13. In the method of forming a uniformly impregnated felt web incorporating materially less than the total impregnant carrying capacity of the web, the steps comprising wetting the plane

faces of a felt web having a normal moisture content, the initial temperature of the web being below 212° F., with a melted impregnant heated to a temperature materially above its melting point, by applying said impregnant to the said faces individually, engaging the wetted surfaces prior to any material penetration of the impregnant into the body of felt to remove impregnant from the surfaces thereof, and maintaining the temperature of said impregnant constantly above a point where congelation of the impregnant will occur until the impregnant has migrated substantially uniformly throughout the thickness of the web from the faces thereof.



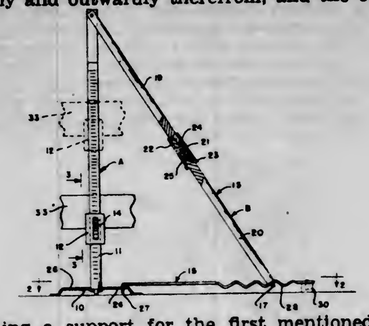
2,274,793
GARMENT CONVEYER
Allen W. Keating, Wilmington, Del.
Application June 20, 1939, Serial No. 280,182
1 Claim. (Cl. 198—179)



In a garment conveyer for the manual inspection of garments, a horizontally arranged endless chain, sprockets spaced apart and over which the chain passes for supporting the chain in horizontal position, hangers supporting the sprockets, shanks extending outwardly at right angles from some of the links of the chain, said shanks being arranged in pairs with the shanks of each pair spaced apart a distance equal to the width of a part of a garment, each chain of each pair being located adjacent a shank of another pair and each shank having a cross member at its outer end and clamps connected with the shanks, the clamps of each pair holding the garment in spread out condition, each clamp including a handle part and a jaw part, each pair of clamps being pivotally connected to the ends of the cross member of a shank with the handles extending toward the link to which the shank is connected and the jaw parts extending outwardly from the cross member and springs connected with the cross member and engaging the handle part of the clamp for holding the jaw parts closed.

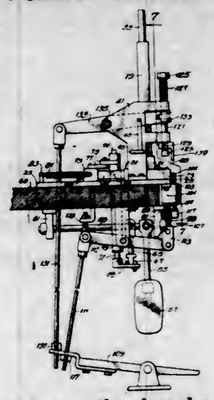
2,274,794
JACK STRUCTURE
Jae D. Kitchen, Caro, Mich.
Application April 14, 1941, Serial No. 388,534
7 Claims. (Cl. 248—352)

1. A combination jack and brace structure comprising a jack having a ground engaging base and a standard on the base, and a brace for the jack having two arms, one being connected to the standard of the jack and inclining downwardly and outwardly therefrom, and the other



forming a support for the first mentioned inclined arm and being connected to the base of the jack.

2,274,795
BUCKLE APPLYING MACHINE
George E. Klock and Kenneth J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application April 13, 1939, Serial No. 267,735
8 Claims. (Cl. 223—49)

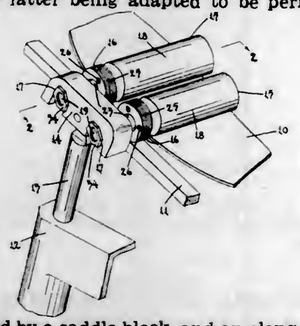


1. In a machine of the class described, a magazine for holding a plurality of buckles, a guideway, means actuable to move buckles in sequence from said magazine to a working position along said guideway, means for opening buckles located in said working position comprising a reciprocating plunger member, the axis of movement of which intersects the central bar portion of each buckle located in said working position, and means for reclosing buckles opened by said buckle opening means comprising a second reciprocating plunger, the axis of movement of which likewise intersects the central bar portion of buckles held in said working position.

2,274,796
ROLLER MOUNTING
Eneval Kluge, St. Paul, Minn., assignor to Brandtjen & Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application July 5, 1941, Serial No. 401,153
5 Claims. (Cl. 101—337)

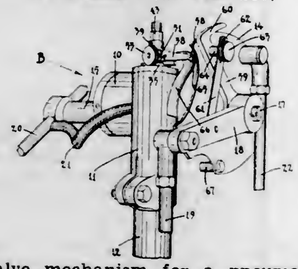
1. In combination, an inking roller having a

shaft and a body thereon, the terminal portions of said shaft extending from said body, each terminal portion of said shaft having a thrust collar secured thereto and formed with a key thereon, a truck roll including a hub abutting said collar and formed with a key-way receiving said key, a ball bearing mounted on the shaft, said bearing including inner and outer races, the former abutting the hub of said truck roll endwise and the latter being adapted to be peripherally



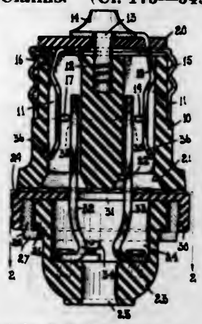
embraced by a saddle block, and an elongated end nut threaded on the shaft and consisting of a sleeve-like body and a shouldered head, said body of said nut being adapted to be received within the saddle block in endwise abutting relationship with the inner race of said bearing and with its shouldered head exposed to the outside of said block, said nut having an internal latching groove longitudinally thereof, and said shaft having a spring pressed ball latch disposed at its periphery for yielding engagement with said groove.

2,274,797
VALVE MECHANISM FOR PNEUMATIC SHEET FEEDING DEVICES
Eneval Kluge, St. Paul, Minn., assignor to Brandtjen & Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application August 4, 1941, Serial No. 405,367
6 Claims. (Cl. 101—287)



1. Valve mechanism for a pneumatic sheet feeding device including a suction member movable from a sheet-receiving position through a succession of selective sheet-releasing positions and back again, a suction conduit communicating with said suction member and a pair of actuating members movable to and fro in accord with the movement of said suction member, said valve mechanism comprising a cylindrical valve body having an intermediate chamber therein and a series of suction bores extending through one end portion thereof and communicating with said chamber, said suction bores and chamber constituting a portion of said suction conduit, a valve stem revoluble in the valve body, a main valve head fixed to said stem, said valve head being seated on said body and formed with ports therein registrable with said suction bores, said valve head being adapted to obstruct and to clear said bores, the other end portion of said valve body having a series of air admission bores extending therethrough and communicating with said chamber, an auxiliary valve head seated on said valve body and revoluble on said valve stem, means for angularly adjusting the auxiliary valve head relative to said valve stem, said auxiliary valve head being formed with ports therein registrable with said air admission bores and being adapted to obstruct and to clear said air admission bores, a lever secured to said valve stem and swingable in one direction by one of said actuating members to cause the main valve head to obstruct said suction bores and cut off suction to said suction member in the feeding throw thereof and, further, to cause the auxiliary valve head to clear said air admission bores and admit air to the suction conduit between said main valve and said suction member, said lever being swingable back to starting position by said other actuating member, said auxiliary valve having a shifting lug thereon, said angular adjusting means being interposed between said lug and said valve lever on the valve stem, the clearing by said auxiliary valve head of said air admission bores with reference to the obstruction of said suction bores by the main valve being relatively timed by the angular adjustment of the auxiliary valve head on said valve stem.

2,274,798
ELECTRICAL FIXTURE
Rudolph Kostal, Ajo, Ariz.
Application February 24, 1940, Serial No. 320,575
4 Claims. (Cl. 173—343)



3. In an electrical fixture having a socket with electrodes disposed therein, a plug having normally urged apart electrodes in locking engagement with the socket electrodes, and a plate rotatably carried by said plug, said plate having an oval shaped opening provided with a major axis and a minor axis, the walls adjacent the minor axis of the opening having direct contact with the plug electrodes in one position of the plate to urge them towards each other and out of locking engagement with the socket electrodes.

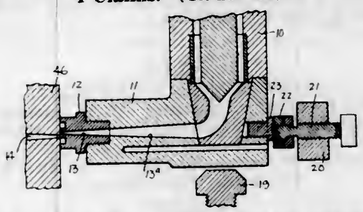
2,274,799
CARTON OPENER
Joseph E. Kroemer, St. Paul, Minn.
Application January 13, 1939, Serial No. 250,721
5 Claims. (Cl. 30—2)

1. In combination, a body comprising a plate-like body member, a second plate-like body member overlying the first plate-like body member, a cutting blade disposed between said plate-like body members, said cutting blade having a cutting edge fixed relative to said body and a plate-like guard overlying said cutting blade and disposed between said plate-like body members, a bolt extending jointly through said body members, blade and guard, said guard being pivoted



on said bolt and being adapted to be moved in a direction such that one edge thereof travels toward and from said cutting edge, said guard being movable from a position guarding said exposed cutting edge to positions partly exposing said cutting edge whereby the edge of said guard engages the object cut and limits the depth of the cut made by said cutting edge.

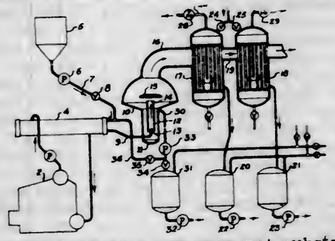
2,274,800
PRESSURE CASTING MACHINE NOZZLE SHUT-OFF
Nathan Lester, Cleveland Heights, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application January 4, 1938, Serial No. 183,335
4 Claims. (Cl. 18—30)



4. In a pressure casting machine, the combination of a die block having a gate opening in a flat exterior surface, a frame and a cylinder supported on said frame in a plane parallel to said die block surface, a nozzle fixedly assembled with and leading from said cylinder at right angles thereto, the end of said nozzle having a flat surface abutting against said die block surface, a material injecting plunger supported by said frame and movable in said cylinder, said cylinder and nozzle assembly being movably mounted on said frame so that said nozzle end is movable into and out of registry with said gate opening, means on said frame for limiting the amount of movement of said cylinder and nozzle assembly, lost motion means connecting said cylinder and nozzle assembly to said plunger, and slidable means for holding said nozzle end in abutting relationship against said die block surface.

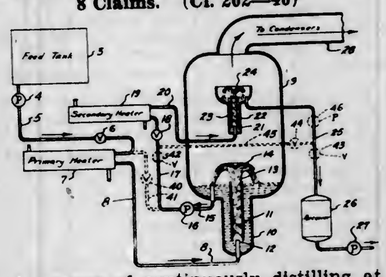
2,274,801
PROCESS OF DISTILLING HIGHER FATTY ACIDS
Victor Mills, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application February 28, 1940, Serial No. 321,306
10 Claims. (Cl. 202—46)

1. A process of continuously distilling at reduced pressure without the use of an added gaseous medium higher fatty acids from a material containing a substantial amount of higher free fatty acid and thereby separating said material into a component consisting of most of the free fatty acids in substantially pure form and a component consisting of undistilled residue, comprising continuously passing the material to be subjected to distillation through a heating zone wherein sufficient heat is incorporated in said material to effect substantially instantaneous vaporization of most of the free fatty acids contained therein when subsequently subjected to said reduced pressure, continuously introducing the thus heated material into a hot liquid body of said undistilled residue contained within a



zone maintained at a pressure not substantially exceeding 0.5 inch of mercury whereupon most of the free fatty acids vaporize substantially instantaneously, employing the vapors thus formed without the aid of an added gaseous medium to project said residue upwardly against a baffle to form a directionally controlled curtain of said residue, continuously withdrawing the vapors from said zone and condensing same, and continuously withdrawing excess undistilled residue from said zone.

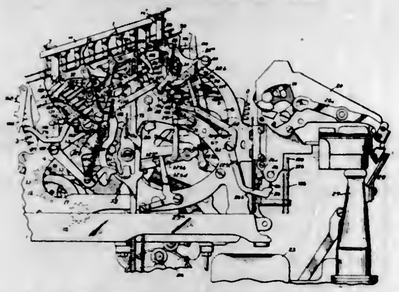
2,274,802
FATTY ACID DISTILLATION
Victor Mills, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application February 26, 1940, Serial No. 320,825
8 Claims. (Cl. 202—46)



1. A process of continuously distilling at reduced pressure without the use of an added gaseous medium higher fatty acids from a material containing a substantial amount of higher free fatty acid and thereby separating said material into a component consisting of substantially all of the free fatty acids in substantially pure form, and a component consisting of undistilled residue, comprising continuously passing the material to be subjected to distillation through a heating zone wherein sufficient heat is incorporated in said material to effect substantially instantaneous vaporization of most of the free fatty acids contained therein when subsequently subjected to said reduced pressure, continuously introducing the thus heated material into a hot liquid body of primary undistilled residue contained within a zone maintained at a pressure less than the average pressure in said heating zone and not substantially exceeding 0.5 inch of

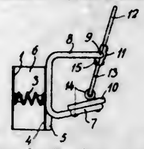
mercury whereupon most of the free fatty acids vaporize substantially instantaneously, employing the vapors thus formed without the aid of an added gaseous medium to project said residue upwardly against a baffle to form a directionally controlled curtain of undistilled residue, continuously withdrawing excess undistilled residue from said zone, reheating the said excess residue to incorporate sufficient heat in same to substantially completely vaporize the fatty acids contained therein at the pressure within said zone and thereby leave a secondary undistilled residue, continuously introducing the said heated excess residue into a hot liquid body of said secondary undistilled residue and employing the vapors thus formed to project a stream of said secondary undistilled residue, intimately admixed with said vapors, upwardly against a baffle in a zone at said low pressure so as to form a directionally controlled curtain of secondary undistilled residue, continuously withdrawing the fatty acid vapors and condensing same and continuously withdrawing said secondary undistilled residue.

2,274,803
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application December 1, 1937, Serial No. 177,435
3 Claims. (Cl. 235—60)



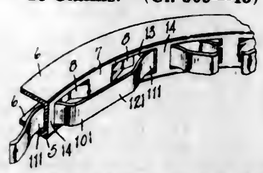
1. A calculating machine of the class disclosed having a motor operated driving means, drive control means conditionable to cause said driving means to give said machine a cycle of operation, means operable to condition said control means, manipulative means, including a depressible motor bar, for operating said conditioning means, means for retaining said conditioning means in operated position when operated, and means movable automatically at a predetermined time in the machine cycle to a position to release said conditioning means from said retaining means, said manipulative means including elements conditioned by depression of said motor bar and continued manual pressure thereon beyond said predetermined time in the machine cycle to permit said releasing means to move to said releasing position and release said conditioning means to return to said unoperated condition without causing a further machine cycle, said elements being conditioned by depression of said motor bar and withdrawal of manual pressure therefrom prior to said predetermined time in the cycle initiated by said depression to prevent said releasing means from moving to said releasing position in said machine cycle whereby said conditioning means is retained by said retaining means in its operated position to condition said drive control means to cause an automatic further cycle of operation of said machine.

2,274,804
GARMENT STRETCHER CLAMP
Olaf Ludvik Nygaard, Oslo, and Erling Kristian Eikvang, Stabekk, near Oslo, Norway
Application February 3, 1939, Serial No. 254,506
In Norway February 4, 1938
4 Claims. (Cl. 38—143)



4. Apparatus for fastening clothes for stretching purposes comprising a main frame, including spaced upper and lower interconnected branches the lower of which is inclined slightly upwardly, a table supported by the lower branch, a lever supported turnably in the upper branch, a fluted resilient roller turnably mounted at the outer end of the lever for co-operating with the table for fastening the clothes during the stretching action, that portion of the lever extending between the pivot and the roller being of a length capable of jamming the roller into clamping engagement with the tables when it is swung towards the latter, a handle for manipulating the lever, and resilient catch means on the lever for co-operating with the upper branch of the support for releasably maintaining the lever in an elevated inactive position.

2,274,805
PISTON RING ASSEMBLY
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application February 23, 1940, Serial No. 320,396
16 Claims. (Cl. 309—45)

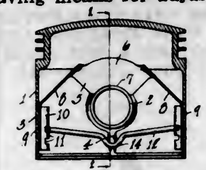


12. A composite piston ring unit adapted to be mounted in a piston groove comprising a carrier element having radially directed portions, a pair of annular split cylinder wall engaging segments associated with said element between and restrainingly engaged by said portions, spacer means for maintaining said segments in axially spaced relation between said portions, and a plurality of expanding spring segments associated with said carrier element having portions in thrust engagement with said segments at points to the rear of said spacer means and further portions disposed to the rear of the carrier element for radial thrust engagement with the bottom of a piston ring groove receiving said unit.

2,274,806
PISTON EXPANDER
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application May 31, 1940, Serial No. 338,162
9 Claims. (Cl. 309—12)

1. An expander assembly for piston skirts, comprising a sheet metal member having integral curved surfaces engageable with the upper half

of the connecting rod attaching means of the piston and provided with integral radially directed portions terminating in rounded pads of substantial area concentric with and engageable with the skirt approximately 90° from said means, and an annular split spring steel ring engageable with said pads to resiliently urge the latter outwardly, said pads having means for adjustably position-

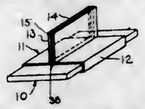


ing the ring relative thereto and to prevent axial displacement thereof, and said ring being disposed beneath said connecting rod attaching means and engaging the lower half thereof for coaction with the aforesaid curved surfaces to prevent axial movement of the assembly relative to the piston, said pads distributing the thrust of said ring to prevent localized frictional wearing of the skirt.

2,274,807
DETERGENT
Albert L. Rawlins and Leon A. Sweet, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 2, 1939, Serial No. 293,255
10 Claims. (Cl. 260—501)

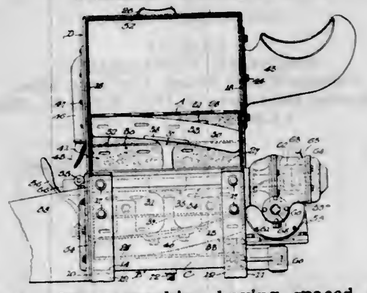
1. A non-alkaline detergent comprising a water-soluble salt of a primary straight-chain alkyl amine in which the alkyl group contains 10 to 18 carbon atoms.

2,274,808
BITE WING FOR DENTAL FILM PACKS AND THE LIKE
Irwin C. Rinn, Chicago, Ill.
Application January 7, 1941, Serial No. 373,414
2 Claims. (Cl. 250—69)



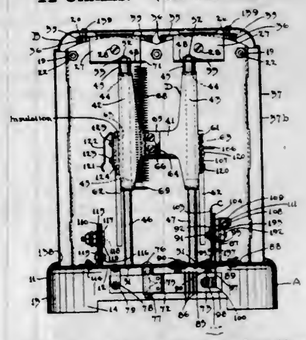
1. In the art of producing continuous strip strap bite-wings comprising straps intended to embrace film packs and lug portions intended to be received between the patient's teeth, means to produce the same comprising the production of a band of paper stock material of width equal to the length of strip constituting a bite-wing including the lugs thereof and of length equal to the combined widths of a plurality of the bite-wing straps and having score lines extending across said band at spacings equal to the widths of the bite-wing straps, bending said band into a U-shaped loop, placement of a strip of double coated paper stock between the edge portions of said looped band, said strip having a width equal to the length of the lug portion of the bite-wing, and both faces of said strip being treated with cementing agent having the property of cementing upon application of heat and pressure, bringing said edge portions of the looped band into face contact with said double-coated strip, and applying heat and pressure to said edge portions for a width equal to the width of said strip, substantially as and for the purpose set forth.

2,274,809
VEGETABLE WASHING AND/OR DECORTICATING MACHINE
Henry Robinson, Lindenhurst, N. Y.
Application July 16, 1940, Serial No. 345,787
8 Claims. (Cl. 146—50)



1. A culinary machine having spaced apart stationary end heads, a rotary shaft extending between and journaled in said heads, a perforated cylinder having its ends terminating relatively close to said heads, one of said heads having an opening therein for supply of material into one end of the cylinder, the other of said heads having an opening for discharge of material from the cylinder, rib means on the inner surface of the cylinder arranged approximately in a helical or spiral path to agitate and move the material through the cylinder and discharge it through the last mentioned opening, and relatively attenuated means spaced inwardly from the ends of the cylinder attached to the rib means and supporting the cylinder from and concentric with the shaft to rotate with the latter, the inner surface of said cylinder at the discharge end being unobstructed on opposite sides of the rib means.

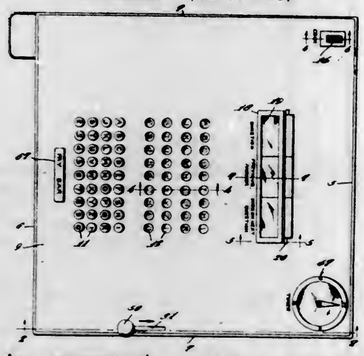
2,274,810
FOOD COOKING DEVICE
Robert Sardeson, Minneapolis, Minn., assignor to Harold C. Genter, Miami Beach, Fla.
Application October 1, 1938, Serial No. 232,707
11 Claims. (Cl. 219—19)



2. In a food cooking device, heating means, food shifting means for moving the food away from said heating means, said food shifting means being adapted to occupy several positions when the food is in proximity to the heating means, a thermally responsive member, a heater for heating said thermally responsive member to cause the same to deflect, a latch operated by said thermally responsive member during heating thereof for maintaining said food shifting means in one of its positions, a latch operated by said

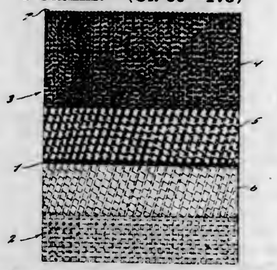
thermally responsive member for maintaining said food shifting means during cooling of said thermally responsive member at another of said positions and means operated by said food shifting means when released by said second named latch for energizing said heater.

2,274,811
AMUSEMENT APPARATUS
Thomas Upton Sisson, Gulfport, Miss.
Application December 14, 1939, Serial No. 309,294
3 Claims. (Cl. 35—48)



1. An amusement apparatus comprising a housing having a slot in one wall thereof, a web having questions thereon, a roll upon which the web is payable, manual means for feeding the web, said web having a border, said border having selector openings therein, questions answering selector switches, a current supply plate against which one side of the border rides, contact fingers against which the other side of the border rides and through the openings in which registering contact fingers can protrude to engage the current supply plate, magnetic latch means for the manual means, a source of current, a check controlled switch for connecting the source of current with the magnetic latch means and with the current supply plate, reward establishing means for correct answering of the questions by the selector switch, said fingers and selector switches being connected in multiple with the reward establishing means, and a window in the housing in advance of the slot and through which the questions on the web are visible.

2,274,812
STOCKING
Otto F. Smetana, Concord, N. C.
Application July 18, 1940, Serial No. 346,080
4 Claims. (Cl. 66—173)



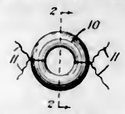
1. A flat-knit stocking having a double-walled welt, the upper part of each wall of the welt consisting of plain knitted fabric and the lower part of each wall, consisting of lace fabric, at least over the knee portion of the stocking, whereby increased elasticity is imparted to the knee portion of the stocking.

2,274,813
DESK CALENDAR DEVICE
Max Vogel, Bridgeport, Conn.
Application February 9, 1940, Serial No. 318,052
1 Claim. (Cl. 40—113)



In a calendar device, a supporting panel having a sight opening, a dial rotatably supported upon the rearward side of said panel having a circumferential marginal date number containing portion in line with said sight opening, said dial adapted to be rotated to successively expose said date numbers in said sight opening, and supporting foot means connected to the base of said panel for supporting it in inclined position, said foot means extending over the periphery of said dial at the rearward side thereof and having notches to receive the periphery of said dial to form retaining shoulder means upon the rearward side of said panel projecting over the marginal portion of said dial to maintain it in flat relation.

2,274,814
DENTAL DEVICE
Earl Clay West, Mora, Minn.
Application February 10, 1940, Serial No. 318,290
2 Claims. (Cl. 32—33)

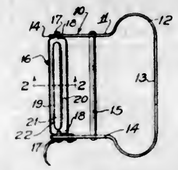


1. A device constructed and arranged to be placed about one or more teeth to keep the same dry, comprising a member formed of compressed absorbent fibrous material, said member being substantially circular in cross section and curved to fit about the end of one tooth and along the side of the same and adjacent teeth, said member having secured thereto at spaced points a plurality of ligatures comprising strands of small strings or threads extending therefrom and constructed and arranged to be placed between and around the teeth to hold said device in place, said device being constructed and arranged to act as a dam to keep moisture or saliva away from said teeth.

2,274,815
VEGETABLE PEELER
Jesse P. Whann, Los Angeles, Calif., assignor to Ralph P. De Vault, Arcadia, Calif.
Application August 1, 1939, Serial No. 287,802
8 Claims. (Cl. 30—279)

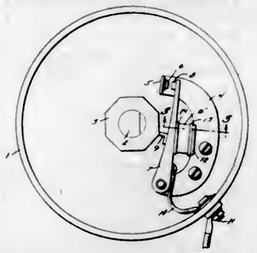
1. In a vegetable peeler of the character described, the combination of: a handle having means defining an axis of rotation; and a cutter connected to said handle so as to have rotation

relative to said axis, said cutter comprising a pair of substantially parallel side members, the lower edge of at least one of said members being sharpened so as to provide a cutting edge and the other of said members serving as a guide for the sharpened edge, said cutter being connected to said handle in such a manner that said axis of



rotation will be disposed near to said members and in a position below the plane defined by the lower edges of said members, so that a cutting force applied to said cutter on said axis of rotation will simultaneously move said cutting edge forward and exert a force tending to rotate said cutting edge downward around said axis of rotation.

2,274,816
IGNITION TIMER
Simon P. Winther, Jr., West Palm Beach, Fla.
Application March 10, 1941, Serial No. 382,621
3 Claims. (Cl. 200—30)



1. An ignition timer comprising a stationary support, a breaker point on said support, a pivoted contact arm, a breaker point on said contact arm engageable with the first named breaker point, opposed cups mounted on the support and the contact arm, and a compressible block engaged in said cups for actuating the contact arm for closing the breaker points.

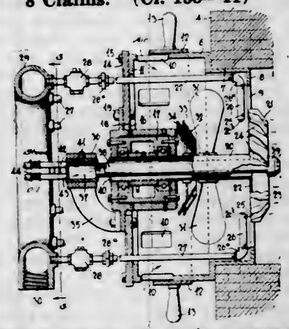
2,274,817
METAL HANDLED TOOL
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1939, Serial No. 251,401
4 Claims. (Cl. 16—110)

1. In a handled tool, the combination with an elongated handle stub of wood in which the shank of a tool may be secured, a circumferential projection formed on and spaced rearwardly from the toolward end of said stub, a metal ferrule coacting with the toolward end of said stub and having its rear edge offset outwardly from the body of the ferrule to form a seat for the projection on the stub, independent means forming the butt end of a handle having a closed rear end and an open front end with the edge of the front end thereof offset outwardly from the body of the shell to form a seat for the rear edge of the ferrule and the corresponding portion of the stub, the free front edge of said shell terminating beyond said offset on



the ferrule and being bent inwardly thereover to rigidly join said shell, stub and ferrule.

2,274,818
COMBINATION GAS AND OIL BURNER
John S. Zink, Tulsa, Okla.
Application May 17, 1940, Serial No. 335,837
8 Claims. (Cl. 158—11)



1. A fuel-burning apparatus comprising a casing having an air inlet and an air outlet, a turbine wheel arranged adjacent to the air outlet, a series of pipes for conducting fuel gas under pressure to the turbine wheel to cause rotation of the latter, a bearing structure secured to the casing adjacent the air inlet, a shaft supported by the bearing structure and to which the turbine wheel is fixedly secured, an air fan fixed to the shaft between the bearing and the wheel, and a separate control valve associated with each of said pipes to control the gas flowing through the pipes.

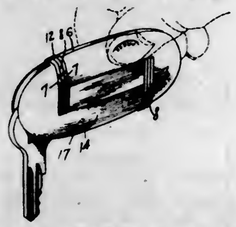
2,274,819
CLOSURE
Rebecca Becker, New York, N. Y.
Application July 19, 1939, Serial No. 285,347
2 Claims. (Cl. 220—24)



1. A can having vertical sheet metal side walls, top and bottom sheet metal walls, said top wall

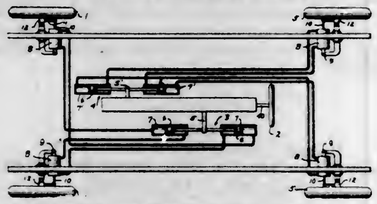
having a wedge shaped opening receiving a readily removable closure, said opening being widest toward the outside of the can and converging toward the central vertical axis of the can, said opening and closure being wedge shaped, a portion of the side wall of the can defining the base of said opening, the sides of the wedge-shaped opening in the can top wall having inturned portions forming a recess to receive the side edges of the closure and the base of the wedge in the can consisting of a groove in the side wall to receive the base of the closure.

2,274,820
KEY CASE
Clarence Hatfield Bills, Ferndale, Mich.
Application July 9, 1940, Serial No. 344,566
8 Claims. (Cl. 70—456)



1. A key case comprising a pair of elongated members each having a transverse raised fulcrum rib, said members being assembled with the ribs in engagement, a spring clip on each side of the assembled members arranged to yieldably hold the same together, means for pivotally supporting a key in each end of the key case between said members and the key being turnable into or out of the key case, the edges of the members being arranged to be manually pressed together on one side to spread the opposite edges apart on the fulcrum rib, said spreading movement of the edges being yieldably resisted by the spring clips, a flange at the edge of each elongated member, said flanges normally preventing outward movement of the keys on their pivots and the arrangement being such that the spreading of the edges apart on one side or the other will allow the respective key to turn outwardly on its pivot.

2,274,821
STEERING MECHANISM
Allan P. Bloxsom, Houston, Tex.
Application February 7, 1938, Serial No. 189,184
5 Claims. (Cl. 280—91)

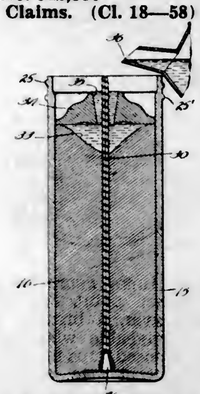


1. A steering mechanism for a motor vehicle including primary and secondary steering assemblies operatively connected to a steering wheel whereby the relative directions of the front and rear wheels may be controlled, said steering assemblies being constructed and arranged to turn the front and rear wheels in opposite directions when turning the vehicle on a large radius of curvature and including automatic means to turn the front and rear wheels in a common direction when turning the vehicle at a predetermined smaller radius of curvature.

2,274,822
DYNAMITE IMPROVEMENT IN WATER RESISTANCE BY COATING
Robert W. Cairns and William M. Cobb, Jr., Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 8, 1938, Serial No. 244,562
20 Claims. (Cl. 52—14)

1. An inorganic nitrate containing a small amount of finely divided metal oxide and coated with a resin solid at room temperatures and having a drop melting point of less than 125° C., said oxide having substantially no action on said inorganic nitrate, and being reactive with said resin under the conditions of coating.

2,274,823
METHOD OF MAKING CANDLES
Albert T. Candy, Jr., Glen Ellyn, Ill., assignor to Candy & Company, Inc., Chicago, Ill., a corporation of Illinois
Original application January 17, 1940, Serial No. 314,199. Divided and this application June 28, 1940, Serial No. 342,856
6 Claims. (Cl. 18—58)

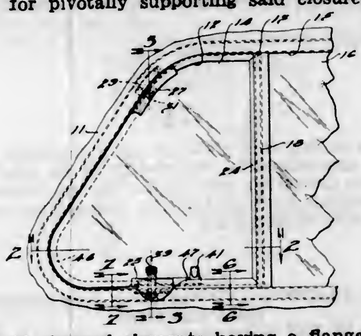


1. The method of forming a sanctuary candle in its own packaging and burning jar, which consists in pouring molten candle material into the jar and permitting it to solidify to build the candle up to a height less than its ultimate height, thereafter inserting through the mouth of the jar a preformed annular centrally spewholed knob piece of candle material and resting it upon the previously formed candle body, and then pouring molten candle material through the spew hole to fill the space between the previously formed candle body and the preformed knob, and into the spew hole to fill it.

2,274,824
WINDOW VENTILATOR WING
Noble C. Clark, Pleasant Ridge, and Joseph B. Menton, Detroit, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 23, 1938, Serial No. 241,918
2 Claims. (Cl. 296—44)

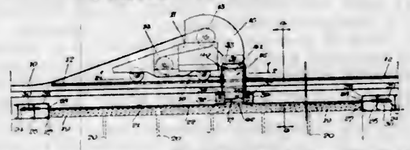
1. In a vehicle body or door having an opening,

a transparent closure for said opening, a sealing strip carried by the marginal edge of said opening, spaced channel elements sealed to said closure having pivotal connection to said marginal edge for pivotally supporting said closure, one



of said channel elements having a flange with an aperture therein, and a spring pressed plunger on said body or door projectible in the aperture of said flange when the closure engages said sealing element.

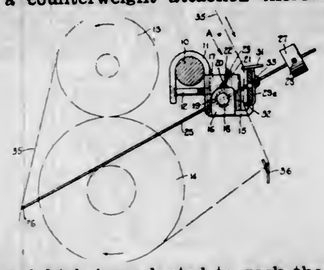
2,274,825
SEALING MEANS FOR CONVEYING APPARATUS
Robert W. Eichenberger, Nutley, N. J., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey
Application March 27, 1941, Serial No. 385,498
8 Claims. (Cl. 214—17)



1. In an apparatus of the kind described embodying a conveyer belt, a movable tripper including a delivery chute into which the material on the belt is discharged by the tripper, and an element extending lengthwise of and below the path of the chute and having a longitudinal opening leading to a storage space, an elongated sealing web overlying the said opening, and means for guiding said web in embracing relation to the chute to form in the web coincidentally with the travel of the tripper a loop spanning that portion of said opening under the chute while the main body of the web is in sealing relation to the remainder of said opening.

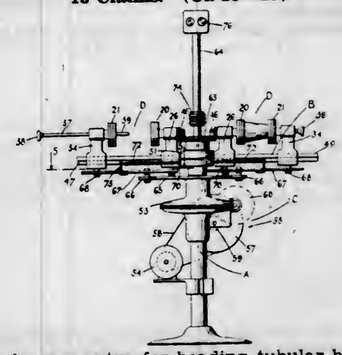
2,274,826
TEXTILE APPARATUS
William J. Elvin, Frostburg, and Frank W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application March 8, 1941, Serial No. 382,304
3 Claims. (Cl. 57—87)

1. Apparatus for preventing the lapping of yarn on nip or feed rolls in winding and twisting devices, comprising means for guiding a running yarn along a controlled path, a cutting member adapted to be moved into the path of said running yarn comprising a flanged collar, one flange of which is extended beyond the other and sharpened to form a cutting edge, a shaft on which said cutting member is mounted, means for rotatively supporting said shaft, a platen integral with said suport adjacent to and cooperating with said cutting member and means including a yarn guide arm fixed to said shaft and having a counterweight attached thereto, said



counterweight being adapted to rock the rotatable shaft, to cause the cutting member to move into the path of the running yarn when a break occurs therein and to cooperate with said platen so as to sever the yarn.

2,274,827
BEADING MACHINE
Julius Emmerich, Newark, N. J., assignor to A. L. Siegel Co., Inc., Newark, N. J., a corporation of New York
Application February 24, 1940, Serial No. 320,572
13 Claims. (Cl. 18—19)

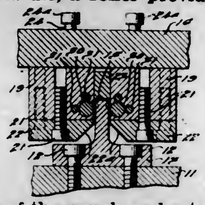


1. An apparatus for beading tubular bodies or the like comprising, a rotatable turret, means for rotating the turret, a plurality of beading units mounted on said turret each movable between charging and discharging stations, each of said beading units comprising two spaced beader heads, one fixed and the other radially movable on the turret, a rotatable mandrel for holding a tubular body with its edge walls exposed, the rotatable mandrel being axially movable to and from the fixed beader head, and means for rotating said mandrel and for moving the radially movable beader head during the rotation of said turret for causing rotative engagement of the exposed edge walls of the tubular body against the beader heads for curling or beading the same, the said last mentioned means comprising driving elements arranged at the axis of said turret.

2,274,828
DIE DEVICE
Harvey W. Finzel, Detroit, Mich., assignor to Douglas & Lomason, Detroit, Mich., a corporation of Michigan
Application November 12, 1938, Serial No. 240,035
7 Claims. (Cl. 153—48)

1. Die mechanism for operating upon a flanged

workpiece, comprising a die and a punch, one movable relatively to the other, said punch comprising a body member and a member movable relative thereto, the relatively movable member cooperating with the die and movable by engagement therewith to form a portion of said workpiece during an initial relative movement of the punch and die, a roller provided within the



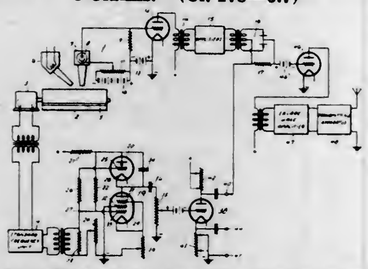
body member of the punch and rotatable therein, said roller projecting beyond the surface of the punch for cooperation with the die to engage the formed portion of the workpiece after said initial movement and exert a rolling pressure thereon, and means providing rolling support for said roller throughout the major portion of the length thereof.

2,274,829

ELIMINATION OF SPURIOUS ADDITIONS TO RADIO SIGNALS

De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 16, 1940, Serial No. 329,872
3 Claims. (Cl. 178—6.7)



2. In radio systems, a scanner for producing an output voltage with varying amplitude, a generator having a saw-tooth voltage wave form with one side substantially perpendicular to the wave axis, means for combining the voltage of the scanner and that of said generator to produce constant-frequency variable dot-length signals ending at the same phase in the cycle, means for transmitting said signals, means for receiving and detecting said signals, a second generator having a saw-tooth voltage wave form with one side substantially perpendicular to the wave axis at said phase, and means for combining the voltage of the detected signals with the peaks of the voltage wave of the second generator to block out spurious additions to the signals after said phase.

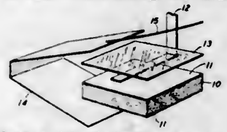
2,274,830

RESISTOR AND METHOD OF MANUFACTURING THE SAME

Harold L. B. Gould, Towaco, Burton A. Kingsbury, East Orange, and Victor E. Legg, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 17, 1939, Serial No. 274,128
9 Claims. (Cl. 201—76)

9. A stable, high negative resistance-temperature coefficient resistor unit comprising a self-supporting plate of consolidated, finely divided heat treated resistance material, the major constitutent of which is at least one of the oxides from the group consisting of iron, nickel, and



cobalt oxides, said plate having a thickness less than approximately one-twelfth of its smallest surface dimension, and contact means including at least one heat distributing member on opposite faces of said plate.

2,274,831

POLYAMIDES AND PROCESS FOR THEIR PREPARATION

Julian W. Hill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 20, 1939, Serial No. 285,589
12 Claims. (Cl. 260—78)

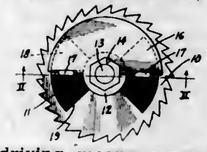
1. A process for making polyamides which comprises heating to reactive temperatures a polymeric carbonamide-forming composition comprising essentially molecules which each contain two and only two reactive groups, the said groups being attached to different carbon atoms, being complementarily carbonamide-forming with other reactive groups attached to molecules in the said composition which each contain two and only two reactive groups, being separated by a divalent organic radical, and belonging to the class of reactive groups consisting of amino and carboxyl groups; the said divalent organic radical in at least a portion of the said molecules containing a tertiary nitrogen atom in its chain.

2,274,832

FLEXIBLE COUPLING

John W. Hobbs, Springfield, Ill., assignor to John W. Hobbs Corporation, Springfield, Ill., a corporation of Delaware

Application April 28, 1939, Serial No. 270,523
3 Claims. (Cl. 64—27)



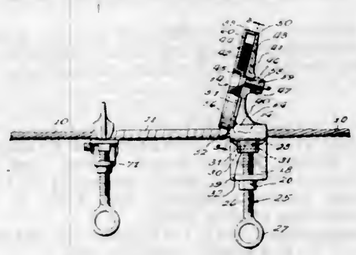
1. Flexible driving means comprising a hub member, a pair of disc members each centrally apertured to axially receive an end of said hub, said apertures and hub ends being conformed to retain the discs and hub interlocked for unitary rotational movement, an annular disc member disposed between said pair of discs and supported for rotation on the hub, said annular disc having an opening therein between its inner and outer edges, a member extending through said opening for connecting said pair of discs and retaining them against axial disengagement from the hub ends, said member having an intermediate flat portion extending in a direction radially of the hub, and resilient bushing means in said opening engaged by opposite surfaces of said flat portion, whereby relative movements between the annular disc and the hub will be cushioned.

2,274,833

APPARATUS FOR WRAPPING ARMOR ON CONDUCTORS

David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application February 14, 1941, Serial No. 378,865
7 Claims. (Cl. 57—10)



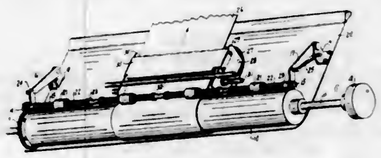
1. An armor wrapping device comprising a cast metal body having an elongated V-shaped groove for engaging a cable, said body having a depending leg with a laterally projecting foot having a threaded bore for receiving an eye bolt, a shoe having a flat guiding surface engaging said leg to prevent its rotation and having rotative engagement with the end of said eye bolt, said shoe having a curved surface for engaging the side of said cable opposite to said V-shaped groove, and an armor tape magazine carried by said body at a predetermined pitch angle for wrapping armor tape on a cable as the body is rotated and caused to progress spirally along the cable.

2,274,834

PAPER FEEDING MEANS FOR ACCOUNTING MACHINES AND THE LIKE

Clarence J. Ira, Portland, Oreg., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application November 19, 1938, Serial No. 241,324
4 Claims. (Cl. 197—133)



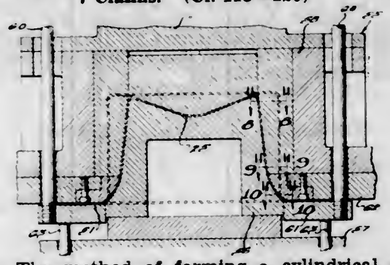
1. In a machine of the character described, the combination of a revolvable platen roll; a plurality of pressure rollers, which, in cooperation with the platen roll, form a means for feeding record material; a shaft to rotatably support the pressure rollers; spring members forming a frictional connection between each of the pressure rollers individually and the shaft; a gear connected to the platen roll, the pitch diameter of said gear larger than said platen roll; a pinion connected to the shaft, the pitch diameter of said pinion smaller than the pressure rollers; and means to yieldingly maintain the pinion in mesh with the gear and the pressure rollers in contact with the platen, so that rotation of said platen roll will yieldingly urge said pressure rollers individually to rotate in a feeding direction, at a speed greater than the surface speed of said platen roll to facilitate the feeding of long strips of said record material.

2,274,835

METHOD OF CONSTRUCTING CYLINDERS

George T. Koch, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application August 9, 1939, Serial No. 289,254
7 Claims. (Cl. 113—120)



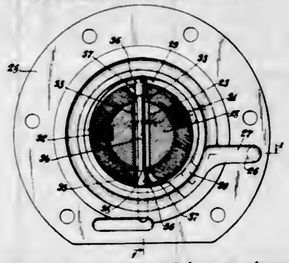
1. The method of forming a cylindrical cup including the steps of, gripping the edge of a sheet of metal and shaping the cup to predetermined form having spaced outwardly directed metal portions extending to the open end of the cylinder, restriking the cup in additional dies which moves certain portions of the outwardly directed portions inwardly, further restriking the cup in additional dies to complete the inward drawing of the outwardly directed portions to form ribs inwardly of the peripheral surface of the cup, and forming the outwardly directed metal at the open end of the cylinder into the plane of the cylinder.

2,274,836

OIL PUMP FOR TRANSMISSIONS

William A. Koster, Highland Park, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

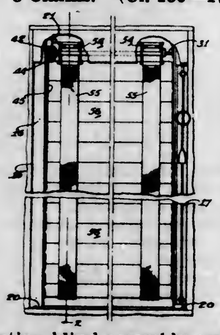
Application December 22, 1938, Serial No. 247,142
4 Claims. (Cl. 103—137)



1. A rotary pump comprising a circular housing, a rotary cylindrical body disposed eccentrically with respect to the axis of said housing to provide a substantially crescent-shaped chamber therewith, said housing having an inlet for said chamber, said cylindrical body having a transverse bore therethrough, a cylindrical vane member extending through said bore and adapted to reciprocate therein when said body is rotated, said vane member having a length sufficient to provide a close running fit in said housing and the inner portions of said vane member having a reduced diameter to provide an annular passage in said bore, said cylindrical body having an axial outlet passage communicating with said annular passage and passages adjacent the leading sides of the end portions of the vane member and extending from the periphery of said body into said annular passage, the inner ends of the last named passages being located

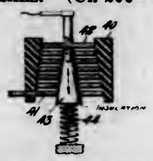
where the large diameter end portions of the vane member will block said passages when the ends of said vane member are in their inner positions.

2,274,837
VENETIAN BLIND
Fred E. Lawson, Philadelphia, Pa.
Original application January 27, 1938, Serial No. 187,114. Divided and this application June 11, 1940, Serial No. 339,946
8 Claims. (Cl. 156—17)



1. A Venetian blind assembly comprising a tilt bar, a plurality of slats supported from the tilt bar, means for pivotally supporting the bar including a frusto-conical head rigidly secured to one end of said bar, a socket member forming part of said supporting means and having a frusto-conical interior wall frictionally embracing said frusto-conical head, said bar having telescoped portions, whereby the bar may be shortened to remove it from said means.

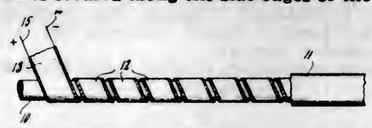
2,274,838
CIRCUIT INTERRUPTER
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application October 14, 1939, Serial No. 299,426
11 Claims. (Cl. 200—145)



1. A circuit interrupter comprising a series of contact plates, an insulating element of conical form passing centrally through said plates for separating them from each other in their open circuit positions, and means for forcing the surfaces of the plates together in series with each other in their closed circuit position.

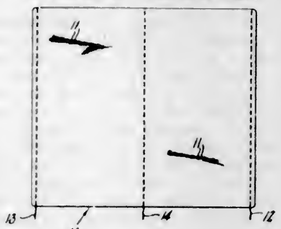
2,274,839
ELECTRICALLY HEATED HOSE
Louis Marick, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1941, Serial No. 394,435
5 Claims. (Cl. 219—39)

1. An electrically heated hose formed of a plurality of layers that provide an inner wall and outer wall, a heating element confined between two of said layers along the hose, and consisting of a strip of sheet material treated with electrically conductive rubber and having current supply wires secured along the side edges of the strip



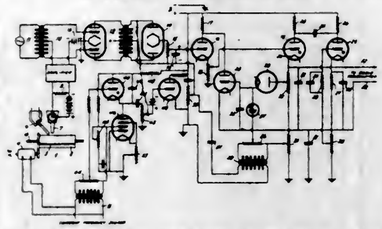
and adapted when a different electric potential is maintained between the wires to cause current to flow across said strip and heat the hose.

2,274,840
ELECTRICALLY CONDUCTIVE FABRIC
Louis Marick, Grosse Pointe Farms, and John Schreiber, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 7, 1941, Serial No. 397,090
15 Claims. (Cl. 219—46)



13. An electrical heating unit, comprising a sheet of fabric having non-metallic threads treated with a plastic containing a current conducting non-metallic material to thereby render these threads conductors of electric current and embodied in the fabric in parallel relation to each other, and metal conductors secured along said fabric transversely of said threads and in spaced relation to each other, whereby an electric current will flow along said threads and heat the fabric when a different potential is maintained between said metal conductors.

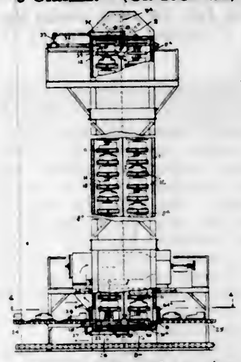
2,274,841
PHOTO RADIO SYSTEM
Richard E. Mathes, Westfield, N. J., and Warren H. Bliss, Orono, Maine, assignors to Radio Corporation of America, a corporation of Delaware
Application April 16, 1940, Serial No. 329,990
45 Claims. (Cl. 178—6.7)



1. In photo radio systems, a scanner producing picture modulations, a pair of gas triodes connected together, one normally conducting and one normally blocked, a saw-tooth generator, means to combine the scanner modulations with the output of the saw-tooth generator in the input circuit of the blocked gas triode whereby it fires at the time in each cycle of the saw-tooth

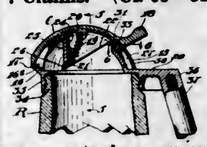
voltage that the sum of the amplitudes of the modulation and saw-tooth waves in said cycle first reach the firing voltage, means for blocking the previously conducting gas triode when the other triode fires, and means to reblock the last mentioned gas triode and refire the other gas triode before the end of the cycle in which the blocked triode was fired.

2,274,842
MATERIAL HANDLING APPARATUS
Harry P. McCann, Shaker Heights, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1938, Serial No. 225,922
6 Claims. (Cl. 198—24)



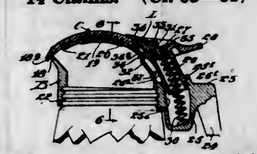
1. In apparatus of the character described, a substantially vertically arranged endless conveyor comprising parallel runs of chain, carrier members attached thereto, work-carrying trays supported by said members, a loading platform near the lower end of the elevating run of said conveyor, an unloading platform near the lower end of the descending run of said conveyor, means for moving the work into and out of the path of movement of said trays at said loading and unloading platforms, means near the upper end of said conveyor for removing one of said work-carrying trays from its carrier members on the elevating run of said conveyor and transferring said tray directly to carrier members on the descending run of said conveyor, and means below said loading and unloading platforms for removing the empty trays from the descending run and transferring them to the ascending run of said conveyor.

2,274,843
POURING AND CLOSING CAP FOR RECEPTACLES
Everett D. Moss, Los Angeles, Calif., assignor to Max Mitchell, Los Angeles, Calif.
Application April 20, 1938, Serial No. 203,130
7 Claims. (Cl. 65—31)



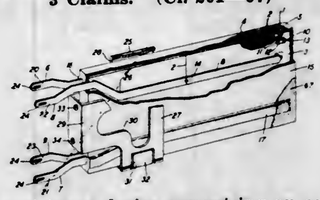
7. A cap for receptacles, comprising a hollow body having a pouring opening at one side therein and an outwardly arched top provided with an external arcuate groove therein extending from the opening across the top and to the opposite side of the body, an arcuate closure of substantially the same curvature as said top and slidably guided and arranged in said groove to slide in an arcuate path over the top to cover and uncover said pouring opening, and means to constantly urge the closure into the closed position over the pouring opening, said pouring opening having a curvature which is slightly different from the curvature of the closure to ensure a wiping contact between the opening in the body and the closure to prevent dripping of any liquid from the opening.

2,274,844
POURING AND CLOSING CAP FOR RECEPTACLES
Everett D. Moss, Los Angeles, Calif., assignor to Max Mitchell, Los Angeles, Calif.
Application September 6, 1938, Serial No. 228,627
14 Claims. (Cl. 65—31)



8. A cap for receptacles, comprising; a body having a pouring spout; an elongated closure slidably mounted on the body to open and close the spout and removable endwise from the body; a latch pivoted on said closure to occupy one position in which the closure is secured against endwise removal from the body, and another position in which the closure is free to be removed endwise from the body; and means on the closure for sliding the latter to open and close the spout.

2,274,845
RESISTANCE DEVICE
Robert A. Ogg, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 319,995
3 Claims. (Cl. 201—67)

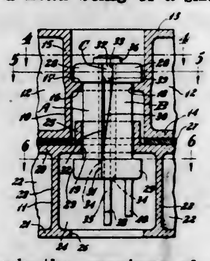


1. A resistance device comprising an apertured core of insulating material, a resistance wire wound thereon, apertured strips of insulating material covering said core and said wire, an insulating covering over said strips, said covering, core and said strips being bonded together and strip terminals having end portions hooked into apertures in said core and said strips and connected to said wire, free end portions extending longitudinally outward of said strips and intermediate portions embedded in said covering.

2,274,846
CAR CONSTRUCTION
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 24, 1939, Serial No. 301,008
6 Claims. (Cl. 105—200)

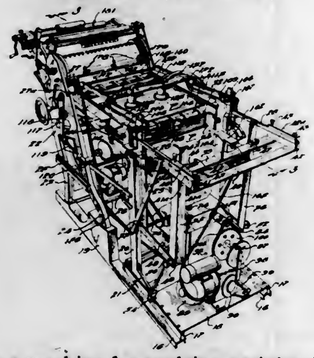
1. In car construction, the combination with

body and truck bolsters having aligned center pin receiving openings; of a locking center pin insertable from beneath the truck bolster, said pin including elongated outer members having retaining flanges at opposite ends; a spreader element between said members for holding the same spread apart with the flanges thereof in shouldered engagement with the bolsters, said spreader element comprising a shank of greater length than said outer members, said shank being headed at the upper end for shouldered engagement with the upper extremities of said outer members, said head being of a size to pass up-



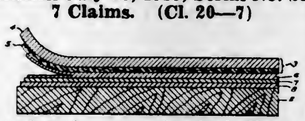
wardly through the openings of said bolsters when one of said outer members of the pin is absent; and oppositely projecting wings on said shank below said head, said head being adapted to be supported by said outer members with the wings of said element engaged between said outer members to hold the latter spread apart, said element being upwardly displaceable to disengage said wings from between said outer members to permit collapse of the pin and downward withdrawal from said openings of one of said outer members, said spreader element, and the other outer member in succession.

2,274,847
GRAINING MACHINE
Herbert J. Pattison, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1939, Serial No. 263,497
16 Claims. (Cl. 271—12)



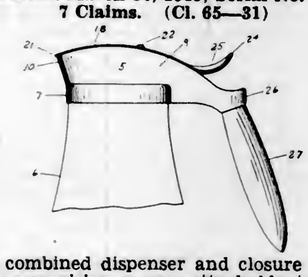
1. In a machine for applying graining to metal surfaces such as plates, sheets, or the like, including graining mechanism adapted to contact opposite faces of successive plates delivered thereto to apply graining to one of the faces, in which the machine also includes means for supporting and elevating a plurality of stacked plates into position to be transferred to the graining mechanism; feeding apparatus for the plates comprising a conveyor for supplying the plates in successive order to said graining mechanism, vacuum means movable into engagement with the successive plates for transferring them onto said conveyor, stop members associated with the conveyor and movable into the path of travel of the plates to momentarily arrest their movement toward the graining mechanism, and means adapted to contact the plates for aligning the same prior to their engagement with the graining mechanism of the machine.

2,274,848
BUILDING STRUCTURE
Philip H. Pennell, Belmont Manor, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 13, 1939, Serial No. 284,367
7 Claims. (Cl. 20—7)



1. A hard surface covering including a sheet of partible fibrous material saturated with a moisture-resistant substance and a partible coating secured thereto, the coating being materially weaker than the stratum of fibrous material in resistance to rupture, whereby if the material is cemented to a base with the coating interposed between the fibrous sheet and the base the coating may be subsequently ruptured to permit stripping of the covering from the base without rupture of the fibrous material.

2,274,849
DISPENSER AND CLOSURE FOR CONTAINERS
Axel H. Peterson, Moline, Ill., assignor, by meane assignments, to Max Mitchell, Los Angeles, Calif.
Application March 30, 1939, Serial No. 264,962
7 Claims. (Cl. 65—31)

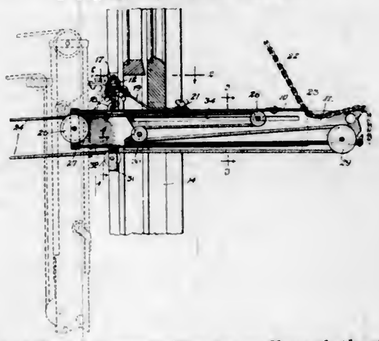


2. A combined dispenser and closure for containers comprising a cap attachable to a container, a pouring spout at one side of the cap, a flexible shearing blade, having a thumb-piece thereon, being held yieldably in a closed position over the pouring spout by a tension spring having one end attached to the cap and having the other end attached to the shearing blade, said tension spring being inclined in relation to an imaginary line drawn from the lip of the pouring spout to the point of attachment of the said tension spring to the said blade at an angle not less than twenty-five degrees and not more than eighty degrees, and a chamber formed in said cap, the chamber and the said blade forming a housing for the tension spring.

4. A dispensing cap for viscous liquids, comprising an open bottom body having an upwardly convex upper portion, an outwardly facing groove in said convex portion, a pouring spout located

at one end of said groove; a closure for said spout slidably mounted in the groove; a spring for urging the closure to closed position with respect to the spout and for maintaining the closure within the groove; and an extension fixed on the closure for the application of pressure thereto in a direction to slide the closure in the groove to spout-opening position against the action of said spring.

2,274,850
CLOTHESLINE BRACKET
George D. Renne, Hicksville, N. Y., assignor to Alvin Schmitt, Hicksville, N. Y.
Application August 21, 1940, Serial No. 353,451
1 Claim. (Cl. 211—119.05)

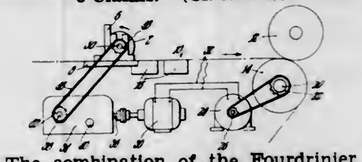


A bracket for supporting an endless clothesline adjacent a window opening comprising a pair of interengaging frame members, means connected to one of the frame members for pivotally mounting the bracket adjacent the window opening so that it may be shifted between a substantially vertical position disposed outside the window opening to a substantially horizontal position with a portion projecting through the window opening, said frame members being of telescopic arrangement so that the portion projecting through the window opening may be extended or may be retracted to permit the bracket to pass through the window opening, each of the frame members being provided with a pair of line guiding members, one adjacent each end thereof for receiving and guiding the clothesline with the lower bite thereof exposed beneath the bracket and serving to compensate for variations in length in the clothesline as the bracket is extended and retracted.

2,274,851
WALL COVERING
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 23, 1938, Serial No. 221,024
2 Claims. (Cl. 154—47)

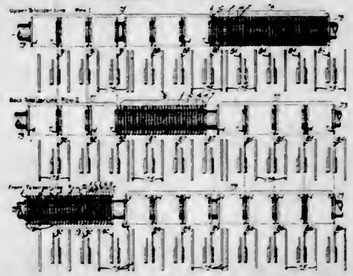
1. Composite sheet material adapted for decoration of walls and ceilings comprising a paper backing and a woven fabric facing containing filaments of an organic derivative of cellulose bonded together with a preformed film .002 of an inch in thickness containing a thermoplastic derivative of cellulose and more than 75 parts by weight of a plasticizer for every 100 parts by weight of the cellulose derivative, said paper backing being attached to the film with a strong and permanent bond without any of the material of the film penetrating to the exposed surface thereof.

2,274,852
PAPER MAKING APPARATUS
John A. Spencer, South Hadley Falls., Mass., assignor to Spencer Specialties Inc., South Hadley Falls, Mass., a corporation of Massachusetts
Application June 22, 1939, Serial No. 280,592
3 Claims. (Cl. 92—48)



1. The combination of the Fourdrinier wire, dandy roll thereover having a shaft rotatably supported, and a positively driven member rotatable in synchronism with said wire of a paper making machine with means for driving said dandy roll from said member comprising, drive means including a drive shaft journalled for rotation in substantial alignment with said dandy roll shaft, a drive unit including change speed mechanism and output and input shafts, operative connections between said output shaft and said drive shaft, electrical apparatus having an output shaft connected to said input shaft of the unit and an input shaft, and operable connections between said rotatable member and the input shaft of said electrical apparatus, all adapted and arranged whereby said dandy roll is rotated in synchronism with the wire at all of its speeds.

2,274,853
CASH REGISTER AND ACCOUNTING MACHINE
Pascal Spurlino and Willis E. Eickman, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 26, 1939, Serial No. 270,048
12 Claims. (Cl. 235—7)

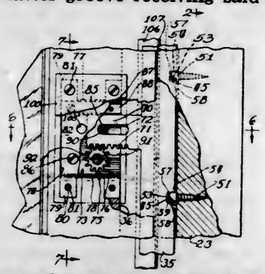


1. In a machine of the class described, the combination of a plurality of sets of totalizers having adding wheels and overflow wheels; and a plurality of sets of differential mechanisms, each set of differential mechanisms including main actuators and secondary actuators, each set of main actuators cooperable with a separate set of the adding wheels of the sets of totalizers, each set of secondary actuators cooperable with the sets of overflow wheels of the sets of totalizers other than the totalizers with which their respective sets of main actuators are associated.

2,274,854
GUIDING AND LOCKING DEVICE FOR WINDOW SASH
Cecil C. Stewart, Champaign, Ill.
Application July 14, 1939, Serial No. 284,402
11 Claims. (Cl. 292—160)

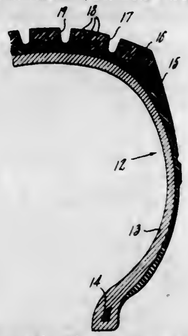
7. In a window sash hardware, the combina-

tion of a combined locking and guide bar adapted to be slidably mounted in a groove in the edge of a sash, said guide bar having a plurality of stop shoulders and camming surfaces, and stop means having a stop-engaging shoulder adapted to be located in a groove in the frame of a window, said latter groove receiving said guide and



locking bar, and means for controlling the movement of said guide and locking bar, whereby the bar may be wholly retracted into the sash to move the sash out of the frame, or the bar may be used for slidably supporting the sash in the frame, or the bar may be engaged with said stop means for holding the sash in any of a plurality of adjusted positions.

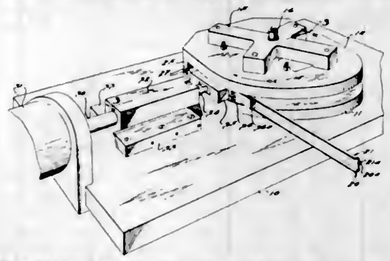
2,274,855
PNEUMATIC TIRE
Edward H. Wallace, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 29, 1938, Serial No. 187,652
2 Claims. (Cl. 152—209)



1. In a pneumatic tire, a tread comprising a layer of rubber composition having a plurality of circumferentially extending grooves defining continuous ribs, a quantity of water soluble inorganic halide salt interspersed as small particles in the said layer, and thin homogeneous layers of rubber composition secured to said tread at least in the regions of the bases of the grooves so as to completely enclose the water soluble particles adjacent said grooves.

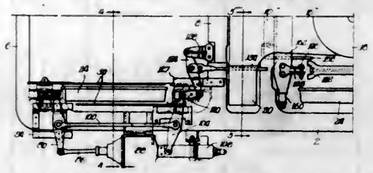
2,274,856
FORMING DEVICE
William A. Wisckol, Detroit, Mich., assignor to Douglas & Lomason Company, Detroit, Mich., a corporation of Michigan
Application June 4, 1938, Serial No. 211,748
2 Claims. (Cl. 153—40)

1. In a device for bending simultaneously to a desired curvature two flanged strips, said device including a rotatable head comprising a lower plate and an upper plate superimposed on said lower plate and separable therefrom, a shaft drivingly connected to said plates for rotating the same, a shoulder on said shaft adapted to support said upper plate and thus to define a predetermined clearance between said plates when said upper plate is superimposed over said lower plate, said plates being provided at their edges with two complementary recesses forming in superimposed condition of the plates a channel extending around their peripheries and adapted to receive two flanged strips superimposed one upon the other in such a way as to have their similar flanges in direct contact



and adapted to enter the clearance space as the strips are bent into said channel, a pressure shoe adapted to force said strips into said channel and to fit tightly within the cross sectional confines of said strips in order to produce ironing action thereon, a clamping member adapted to exert force on said upper plate at a plurality of points removed from said shaft in order to press the middle portion of said plate against said shoulder and to support the outer periphery of said plate by resisting the reactive force produced by said strips due to the ironing action of said pressure shoe, and a second shoulder on said shaft adapted to support said clamping member and thus to limit the pressure which said member may exert on the periphery of said upper plate.

2,274,857
BRAKE
Ray G. Aurien, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 2, 1940, Serial No. 312,018
9 Claims. (Cl. 188—46)

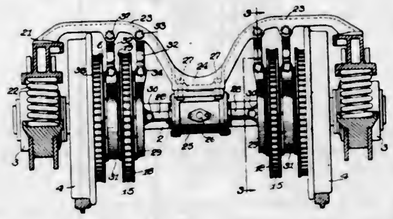


1. In a railway car truck having end and intermediate wheel and axle assemblies, a truck frame having spaced transoms, a span bolster supported on said frame with side bearings substantially in longitudinal alignment with said wheels, beamless braking means associated with said end wheel and axle assemblies, beam type rigging associated with said intermediate wheel and axle assembly, power means mounted on said frame adjacent each end, each of said power means being operatively connected to an end brake rigging and to a portion of said intermediate rigging, the connections of each power means to the rigging comprising interconnected live and dead cylinder levers connected at opposite ends of said power means, an operative connection between the live cylinder lever and the end brake rigging, and an operative connection between the dead cylinder lever and the intermediate rigging, said last-mentioned operative connection comprising a pull rod extending over the adjacent spaced transoms and inboard the intervening side bearing, said side bearing being cored away to accommodate movement of said pull rod.

2,274,858
ALKYLATION OF ISOPARAFFINS WITH ETHYLENE
William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 2, 1938, Serial No. 205,533
14 Claims. (Cl. 196—10)

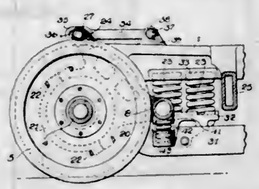
1. A process of forming branched chain paraffinic hydrocarbons having high anti-detonating characteristics and suitable as motor fuel, which comprises interacting isoparaffinic hydrocarbons having less than seven carbon atoms per molecule with ethylene in the presence of a catalyst comprising strong sulfuric acid and a modifying agent selected from the class consisting of the phosphates, sulfates, chlorides, nitrates, acetates and oxides of cadmium, zinc, mercury, copper, silver and barium.

2,274,859
RADIAL BRAKE
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 7, 1940, Serial No. 333,703
7 Claims. (Cl. 188—153)



1. A brake mechanism for railway trucks having a frame and a wheel and axle assembly supporting said frame, said mechanism comprising a pair of brake rings one secured to rotate with each of the opposed wheels of said assembly and having a radial braking face, each ring being in close adjacency to and supported laterally in the region between the outer and inner peripheries of its braking face directly from the body of its associated wheel, a pair of non-rotatable segmental brake shoe members, each carried by the frame for bodily transverse movement to and from braking engagement with one of said rings, and means for actuating said shoe members into braking engagement with their associated rings, said means comprising an expandible straight line thrust connection extending between the shoe members associated with the opposed rings and wheels and acting on said shoe members substantially in alignment with their centers of area, whereby the thrust on the opposed brake members is equalized and transmitted through them to and between the opposed wheels of said wheel and axle assembly.

2,274,860
BRAKE MECHANISM
Paul W. Gaenssle, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1940, Serial No. 339,845
7 Claims. (Cl. 188—59)



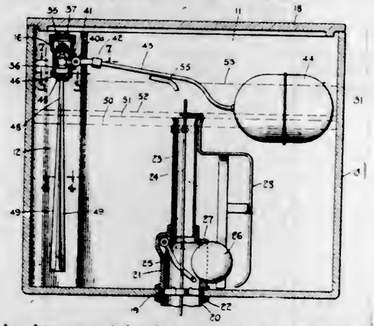
1. In a wheel truck, a brake mechanism comprising a rotatable brake element, a brake shoe cooperating therewith, means for actuating said brake shoe, a yoke supporting said actuating means, said yoke being pivotally supported about an axis substantially in alinement with the axis of the brake element, a low rate spring carried by the truck and cooperating with said yoke to support it when the brake shoe is not engaged with the brake element, and a rigid link pivoted at one end to the truck and having an elongated opening at its other end, a portion of the yoke being engaged in said opening and thus providing a certain amount of play, to limit the rotary motion of said yoke when the brake shoe engages the brake element.

2,274,861
FLAME HARDENING DEVICE
George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application February 6, 1940, Serial No. 317,474
1 Claim. (Cl. 266—4)



In a hardening head, a head plate having a transversely extending gas distribution chamber therein, said head having a row of flame openings communicating with and extending from said gas distribution chamber to the outside of said head plate, said head plate having a cooling water chamber formed therein and extending along generally parallel to said gas distribution chamber and separated therefrom by a relatively thin wall, said head having quenching water outlets communicating with and extending from said cooling water chamber to the outside of said head plate and located in proximity to said flame openings, a gas inlet connection to said head plate and communicating with said gas distribution chamber, and a water conduit connected to said head plate and surrounding a part of said gas inlet connection and in open communication with said cooling water chamber in said head plate.

2,274,862
TANK REFILL AND AIR GAP
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,573
2 Claims. (Cl. 137—68)



1. An improved tank supply valve adapted for the control of water to a flush tank and adapted to be located above the spill water level of the tank and comprising a body, a chamber formed therein, a laterally arranged inlet formed integral with the body and communicating with the chamber and connected to a source of water supply, an outlet passage through the body communicating with the chamber, a valve seat formed within the chamber at the connection of the outlet passage with the chamber, a valve operatively associated with the valve seat, a pivoted lever for moving the valve off and on to the valve seat and controlled by the height of water within the tank, a nozzle secured to the body at the end of the outlet passage, said nozzle being disposed above the spill water level of the tank, and a fluted hush post secured to the nozzle and extending from the nozzle downwardly below the spill water level of the tank and engaged by the water passing through the nozzle.

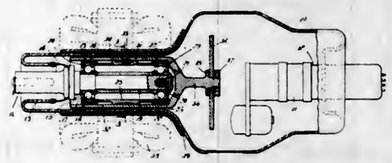
2,274,863
SOLDERING ALLOY
Josef Leuser, Pforzheim, Germany
No Drawing. Application January 27, 1941, Serial No. 376,196. In Germany November 5, 1937
2 Claims. (Cl. 75—165)

1. A soldering alloy highly resistant against tarnishing essentially comprising 25% to 85% of gold, 2% to 20% of palladium, 5% to 30% of copper, 3% to 25% of cadmium, 0.5% to 20% of silver, and 0.1% to 5% of zinc, said gold, palladium, copper, cadmium, silver and zinc constituting substantially all of the alloy.

2,274,864
POLYMERIZATION PRODUCT AND METHOD OF PREPARING AND USING SAME
Eugene Lieber, Staten Island, and Marvin E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 29, 1940, Serial No. 343,152
14 Claims. (Cl. 252—59)

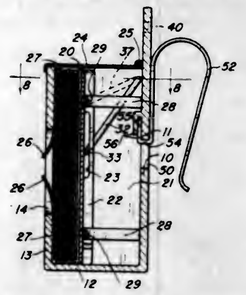
1. A composition comprising a polymerization product of a low molecular weight monohydric alcohol, such polymerization product being substantially non-volatile at about 600° F.

2,274,865
X-RAY TUBE
Raymond R. Machlett, Riverside, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application February 3, 1940, Serial No. 317,097
7 Claims. (Cl. 250—148)



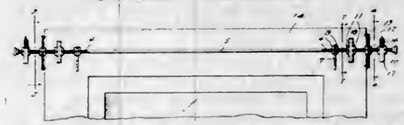
1. An X-ray tube which comprises an evacuated envelope containing an incandescible cathode, a shank sealed through the wall of the envelope, a rotor into which the portion of the shank within the envelope extends, the rotor comprising inner and outer separate telescoped members of generally cylindrical form contacting only over a relatively narrow circumferential zone between their ends, the contacting areas on the faces of the members forming a heat transmitting path of low conductivity from one member to the other, bearing means between the inner member and the shank, and a target secured directly to the outer member only to rotate therewith.

2,274,866
DISPENSING DEVICE
William H. Martens, Seattle, Wash.
Application October 19, 1940, Serial No. 361,883
5 Claims. (Cl. 312—62)



1. In a dispenser container designed for dispensing sheet material or the like, which container is generally rectangular and has a bottom, front and back side walls and end sections that are joined together to define the walls of a box having the general form of a right rectangular prism, said box forming a chamber for the reception of a quantity of stacked sheet material to be dispensed, one wall thereof having an intermediate elongated dispensing slot, a follower member positioned in said chamber between the rear portion of a pack of sheet material dispensed therein and the back wall thereof and having rearwardly directed end flanges each having a longitudinal slot, springs engaging the rear wall of the box for urging the follower member against the pack of sheet material, a crank journaled in the end sections of said container and having its throw member disposed in the slots of the end flanges of the follower member to permit the withdrawal of the said follower against the urgence of the springs, and a lever associated with said crank for swinging it in its journals.

2,274,867
WINDOW BRACKET
Fred C. McDowell, Naches, Wash.
Application May 28, 1940, Serial No. 337,720
3 Claims. (Cl. 156—23)



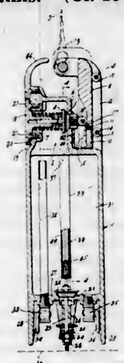
1. A supporting structure for windows comprising an elongated rod having threaded portions, article supporting elements on the threaded portions of the rod, and clamp plates on the threaded portions, each of the said threaded portions having jamb nuts thereon, one at each side of the corresponding clamp plates to prevent self-adjusting of the clamp plates.

2,274,868
FLUORESCENT LIGHT TUBE ADAPTER
Alva H. McMullen, Miami, Fla.
Application October 31, 1939, Serial No. 302,200
2 Claims. (Cl. 240—1)



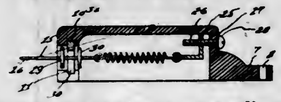
1. An adapter for fluorescent tube lamps comprising coplaner interfitting outer and inner bodies of insulating material, the inner body having a recess for receiving fluorescent tube connector prongs, spring contacts mounted on the inner body and extending in said recess, terminal posts in the inner insulating body connected to said spring contacts, communicating apertures in said inner and outer insulating bodies for conductors connectible to said posts, a recess at the exterior of said outer insulating body for receiving said conductors in nesting relationship therewithin, clamping means, and means on said inner insulating body for retaining said clamping means.

2,274,869
SAMPLING DEVICE FOR TANKS
Walter Pfeiffer, Huntington Park, Calif., assignor to Frank V. Long, doing business as The Vapor Recovery Systems Company, Compton, Calif.
Application April 13, 1940, Serial No. 329,489
3 Claims. (Cl. 137—18)



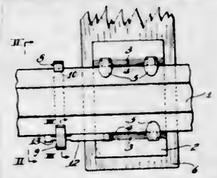
1. In a device for taking a sample of liquid from a tank not under pressure, the combination of a container with an inlet for the liquid, a self-closing valve for closing the inlet, means for suspending the container while lowering the same into the tank, means controlled by the suspending means for opening the valve to take the sample, a stand-pipe secured in the bottom of the container communicating with the interior of the container at an elevated point in the container, and a valve on the outside of the container communicating with the interior of the stand-pipe for admitting air or gas to the interior when the liquid sample is being drawn from the container.

2,274,870
BURGLAR ALARM
Fred F. Richards, Payette, Idaho
Application October 8, 1940, Serial No. 360,337
6 Claims. (Cl. 200—161)



1. A device for closing a normally open burglar alarm or other circuit, said device comprising a dielectric casing adapted to be anchored to a support, a longitudinal conductive rod extending through an opening formed in an end of said casing in spaced relation to the sides of said opening, a contractile spring connected to the end of the conductive rod within said casing, a longitudinally adjustable bracket connected to the opposite end of said spring, a stationary conductive plate on said casing, said plate being formed with an aperture aligned with said opening and freely passing said conductive rod, conductive disks fixed on said conductive rod on opposite sides of said conductive plate, and a cord connected at one end to an anchor remote from said rod but substantially axially aligned with and connected to the outer end of said conductive rod, said bracket being longitudinally adjustable to space said conductive disks close to the opposite sides of said aperture in the stationary conductive plate whereby lateral or longitudinal deflection of said rod produced by disturbance or disruption of said cord engages any of said conductive disks and/or said conductive rod with said stationary conductive plate, and means for connecting said rod and said plate in the burglar alarm or other circuit.

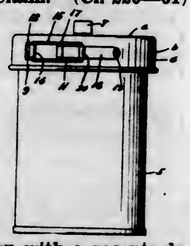
2,274,871
CREEP CHECK
Edwin A. Skowron, Pittsburgh, and Russell R. Ritchey, Verona, Pa., assignors to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application October 16, 1940, Serial No. 361,336
3 Claims. (Cl. 238—315)



1. In a creep check for a rail mounted on a tie plate, a bar-like anchoring member formed for substantially fixed engagement with a tie plate and having a longitudinally projecting por-

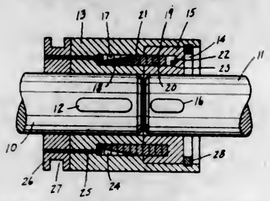
tion adapted to extend along the adjoining rail, said member being substantially symmetrical on both sides of its central longitudinal vertical plane and opposite sides of said portion being provided with recesses the outer one of which is adapted to receive a clamping member for attachment to the rail.

2,274,872
LID FASTENER
John B. Smith, Jr., Vicksburg, Miss., assignor of one-half to Henry Q. Brackett, Vicksburg, Miss.
Application September 23, 1940, Serial No. 357,963
1 Claim. (Cl. 220—61)



In combination with a receptacle, a lid having a skirt fitting over the open end of the receptacle, an elongated spring strap having an intermediate portion secured to the inside of the skirt and said skirt having a pair of spaced openings therein arranged substantially opposite the point of fastening of the strap to the skirt, an openwork link having one end pivotally connected to one end of the strap and said end of the strap passing through one opening, a hook on the other end of the strap passing through the other opening with said hook engaging an edge wall of said other opening when the strap is expanded, a lever pivoted intermediate its ends to the opposite end of the link with the inner end of the lever being straight for engaging the hook of the strap and the other portion of the lever forming a handle, said lever being of arcuate shape to conform to the curvature of the skirt when in holding position with the straight inner end engaging the hook of the strap and contracting the strap about the receptacle.

2,274,873
CLUTCH CONSTRUCTION
William Carleton Starkey, Indianapolis, Ind., assignor to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind., a corporation
Application November 27, 1940, Serial No. 367,425
5 Claims. (Cl. 192—37)

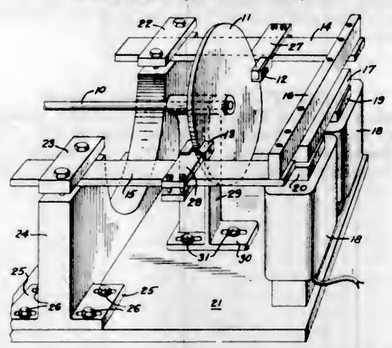


5. In a clutch construction, a first rotatable member having a cylindrical clutch surface coaxial with the axis of rotation of said member, a second rotatable member coaxial with the first, one of said members being a driven member and the other a driving member, a helical clutch spring having one end anchored to said second rotatable member and the other end free and provided with a clutch surface adapted to mate with said first mentioned clutch surface, the unstressed diameter of said spring being such that said clutch surfaces are normally disengaged and the free end of said spring having a plurality of longitudinally directed slots formed in a surface thereof, and an actuator mounted for rotation with said first rotatable member and movable with respect thereto to be engaged in one or more of said slots and disengaged therefrom, relative movement between said rotatable members causing said actuator when so engaged to exert a torsional force on the free end of said spring whereby the diameter of said spring is changed sufficiently to bring said clutch surfaces into clutching engagement.

2,274,874
PROCESS FOR TREATING FRUITS, ETC.
Otto J. Steinwand, Oakland, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
No Drawing. Application October 23, 1939, Serial No. 300,791
8 Claims. (Cl. 99—102)

1. The process of treating whole fruit and like substances as a preliminary to boiling as practiced in coloring, preserving, glaceing and candying, which comprises subjecting the fruit to the hydrolyzing action of a 3% to 8% sodium hydroxide solution at a temperature not substantially greater than 90° F. until the cellulose, fibrous and starchy part of the fruit has become modified and the skin is resistant to checking, cracking or splitting when subjected to a boiling temperature, and finally washing the solution from the fruit prior to its subsequent treatment.

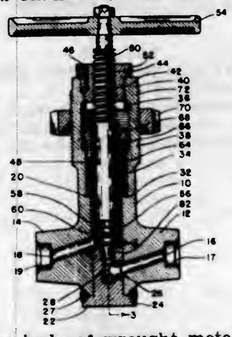
2,274,875
ELECTROMAGNETIC MOTOR
Joseph S. Thompson, San Francisco, Calif.
Application October 28, 1939, Serial No. 301,781
7 Claims. (Cl. 172—126)



1. In an electromagnetic motor of the character described, the combination of a rotatably mounted disc-like load carrying element, a vibratory bar-like member of elastic material fixed at one end and extending adjacent the periphery of said disc-like load carrying element, electromagnetic means for imparting vibratory motion to said vibratory member, clutch means carried by said vibratory member forming a uni-directional driving connection between said vibratory member and said rotatably mounted disc-like load carrying element, and means for adjustably positioning said disc-like load carrying element and

said uni-directional driving connection forming means at different points intermediate the fixed and the free end of said vibratory member where at a given load the torque exerted upon said disc-like load carrying element by said clutch means will approach its maximum value when the period of vibration of said vibratory member approaches resonance under the influence of said electromagnetic means.

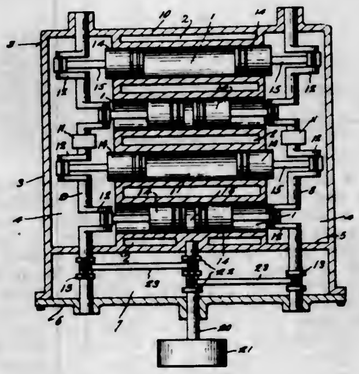
2,274,876
VALVE
Arthur J. Trott, Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application July 18, 1940, Serial No. 346,091
2 Claims. (Cl. 251—155)



1. A valve body of wrought metal comprising a one-piece body and bonnet portion formed generally cylindrical from end to end and having an axial bore of uniform diameter extending from one end to the median portion thereof, said bore terminating at said median portion in a shoulder formed by one end of an enlarged opening for a stuffing box in said portion, oppositely disposed recessed portions interrupting the said generally cylindrical contour beyond said stuffing box and having a window therethrough providing access to said stuffing box, said recessed portions forming a yoke wrought integral with the one-piece body and bonnet portion, a hub surmounting said yoke and wrought integral therewith, and a lateral having an outlet communicating with said axial bore, said lateral being wrought integral with said one-piece body and bonnet portion, said axial bore being arranged to receive a plug member welded to the one-piece body and bonnet portion to serve as a valve seat adjacent said outlet.

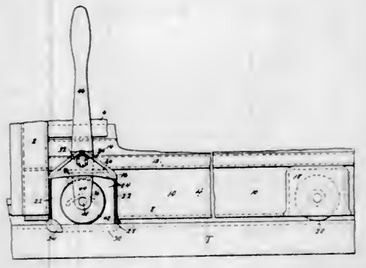
2,274,877
INTERNAL COMBUSTION ENGINE
Louis P. Waguespack, China, Tex.
Application April 30, 1941, Serial No. 391,208
1 Claim. (Cl. 123—51)

In an internal combustion engine, a plurality of cylinders arranged enblock side by side in parallel relation and in a horizontal plane, a pair of crank shafts extending across opposite ends of the cylinders, said shafts providing a pair of twin cranks for each cylinder at opposite ends of the same, the cranks of each shaft being disposed alternately in 180 degree angular relation, the cranks in each pair being oppositely acting, a pair of oppositely acting pistons in each cylinder operatively connected to the twin cranks for the cylinder, a pair of end cranks on said crank shafts, respectively, arranged oppositely and in 90 degree angular relation to the cranks of said crank shaft and being of the same length as the cranks of said crank shafts, and synchronizing means connecting said end pair of cranks, comprising a shaft journaled intermediate the cranks of said end pair, a pair of cranks on said shaft



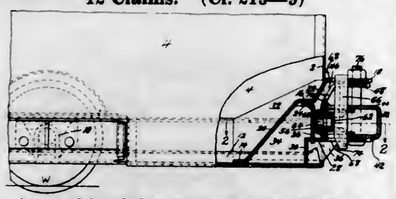
extending diametrically oppositely therefrom and of the same length as the cranks of said end pair, the cranks on the last mentioned shaft being arranged also in 90 degree angular relation to the cranks of said crank shafts, and a pair of links connecting the pair of end cranks to the pair of cranks on said shaft last mentioned.

2,274,878
LIFT DEVICE FOR DOORS
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 8, 1939, Serial No. 277,977
4 Claims. (Cl. 16—99)



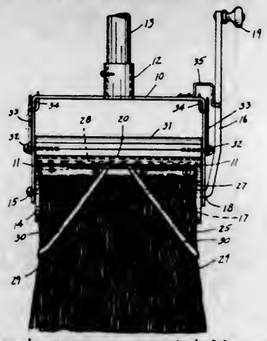
1. In a lift device for car doors the combination of a roller housing secured to the door, a roller positioned within the housing, an operating handle having the lower part positioned within the housing, an axle connecting said roller and the lower part of said operating handle, inverted V shaped ledges formed on said roller housing above said roller axle and along which said axle moves in lifting the door, and pivot means slidably connecting said handle and housing for relative sliding movement and providing a fulcrum for said handle during movement of said axle along said inverted V-shaped ledges.

2,274,879
MINE CAR BUMPER AND DRAFT GEAR
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 26, 1940, Serial No. 342,553
12 Claims. (Cl. 213—9)



1. A combined bumper and draft device for mine and other cars comprising in combination with a car end member, a box-section bumper and draft element slidably supported by the end member and formed by a curved buffing face joined to a rear wall by upper and lower walls, openings in said rear wall, resilient units and housings therefor substantially inclosing said resilient units and located at least partially within said bumper and draft element, said housings having projecting portions engaging the edge of the openings of the rear wall for connecting said housing and said bumper and draft element for transmitting draft forces to said resilient member, said housings being movable with respect to said walls and having portions projecting through said openings and into engagement with the end member, and means passing through said housings and connecting the latter to the end member and to the bumper and draft element to transfer buffing to the resilient units.

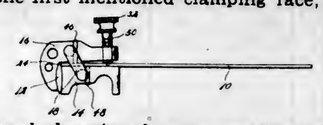
2,274,880
WRINGER MOP
Gilbert E. Bodimer, Indianapolis, Ind.
Application October 10, 1940, Serial No. 360,521
3 Claims. (Cl. 15—119)



3. In a wringer mop, a rotatable roller, mopping material having one end secured thereto, a second roller parallel with said first roller and yieldingly urged toward the same for wringing said mopping material therebetween, and constraining means secured adjacent the center of the secured end of said mopping material and embracing the edges of said material at points remote from said secured end.

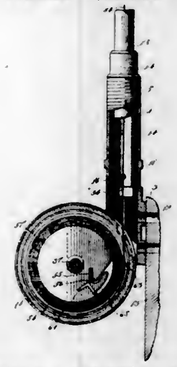
2,274,881
CLAMP FOR DIE STOCK AND TEMPLATE
Harry M. Bolston, Revere, Mass.
Application January 23, 1941, Serial No. 375,572
3 Claims. (Cl. 153—32)

1. A clamp of the type described comprising an angle element having a clamping face at the interior surface of one arm of the angle element, the other arm having a clamping screw threaded therethrough, a second element providing a clamping face positioned to oppose and cooperate with the first mentioned clamping face, and an



additional clamping face cooperating with said clamping screw, a connecting member between said elements secured at its opposite ends to each of said elements with provision for relative movement with respect thereto, said connecting element between the ends thereof extending laterally from the sides of said elements.

2,274,882
ANTENNA OPERATING REEL
Leon S. Brach, East Orange, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application August 17, 1940, Serial No. 353,047
17 Claims. (Cl. 250—33)

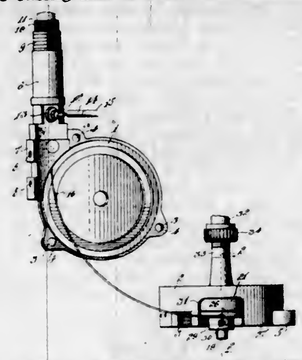


1. For operating a vehicle antenna composed of telescopic sections; a reel including a pair of casings, one inside the other, the outer casing supporting the said sections, the inner casing at least being of insulating material and having one stationary part fastened to the other casing and one part revoluble in the stationary part, means for revolving said revoluble part and driving means for the sections having considerable stiffness longitudinally of its length, yet being bendable, normally wound concentrically and positioned between the parts of said inner casing and having one end anchored to the revoluble part with its free end extending through the peripheral portion of the stationary part into a portion of the outer casing and connected to the proper section of the antenna.

2,274,883
MEANS FOR OPERATING RADIO ANTENNAS
Leon S. Brach, East Orange, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application January 15, 1941, Serial No. 374,417
10 Claims. (Cl. 250—33)

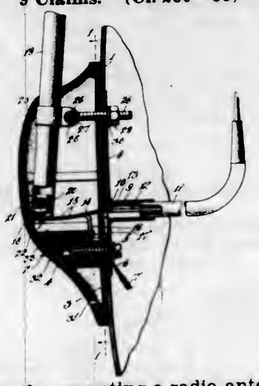
1. For actuating a flexible member used in operating an extensible antenna comprising a plurality of telescopic sections adapted to be mounted on an automotive vehicle; a structure including a casing, an operating shaft carried by the casing, a circular member mounted on the shaft to rotate therewith within the casing, the

flexible member when the antenna is collapsed being wound up in adjacent convolutions of the same diameter and having one end fastened to said circular member while the other end extends out of the casing and is connected to the proper



antenna section and at least one ring roller freely mounted so one of its peripheral surfaces along its length is in contact with the said convolutions of the flexible member to position and guide them as the flexible member is extended and retracted by turning of the shaft.

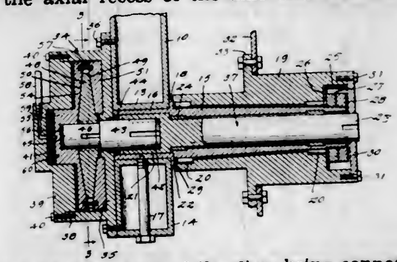
2,274,884
MEANS FOR ANGULARLY MOUNTING VEHICLE ANTENNAS
Leon S. Brach, East Orange, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application February 6, 1941, Serial No. 377,757
9 Claims. (Cl. 250—33)



9. Means for mounting a radio antenna on the outside of an automotive vehicle comprising a single hollow insulator fastened to the vehicle with the lower end of the antenna extending into the hollow part of the insulator and means withing the hollow part of the insulator for supporting the antenna at two spaced points, one of said support means acting also for making an electrical connection to the antenna.

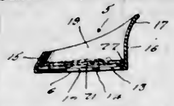
2,274,885
HYDRAULIC BRAKE
Harry C. Brown, San Antonio, Tex.
Application April 29, 1940, Serial No. 332,390
4 Claims. (Cl. 188—152)

1. In a wheel structure including a fixed support and an axially recessed axle member journaled for rotation in said support, a braking unit for the axle comprising a fixed housing having a fluid chamber detachably secured to the support, a plurality of relatively movable discs coaxially arranged within said housing, a rotatably driven shaft splined for limited sliding movement within the axial recess of the axle and received by



the housing, certain of the discs being connected to and movable with the shaft and other of the discs being slidably associated with the housing and fluid chamber, hydraulic means connected with the fluid chamber to move the confronting faces of the discs into frictional engagement, and means to automatically separate the discs after each operation of the first means.

2,274,886
NASAL RESPIRATOR
Harold D. Carroll, Marion, Ohio
Application August 10, 1940, Serial No. 352,154
1 Claim. (Cl. 128—148)

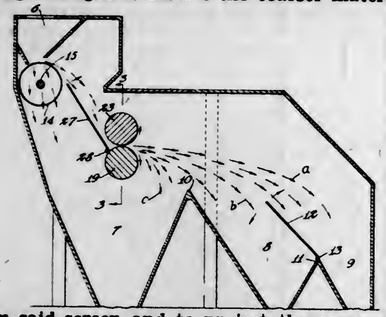


A nasal respirator comprising a body consisting of a bottom plate, said plate having large openings in its rear portion and perforations in its front portion, a wall rising from the edges of said bottom plate, a medicated air filtering element resting upon said bottom plate over the perforations thereof, and removable means holding said pad down in place, said body being horizontally elongated and formed with rounded ends, the inner longitudinal side of said body being substantially straight and the outer longitudinal side of said body being laterally outwardly curved, the front end wall being short and sloping upwardly and inwardly to fit in the front portion of a nostril, the rear wall being much longer than the front wall and having its lower part substantially straight and the rest of the rear wall curving upwardly and rearwardly to fit in the lower sinus, the side walls having their upper edges sloping downwardly and forwardly from the top of the rear wall to the top of the front wall and the two end walls and the side walls merging to provide a substantially oval orifice.

2,274,887
APPARATUS FOR SEPARATING COMMINGLED STOCK
Harwood H. Collier, Minneapolis, Minn., assignor to Hart-Carter Company, a corporation of Delaware
Application March 2, 1940, Serial No. 321,935
1 Claim. (Cl. 209—12)

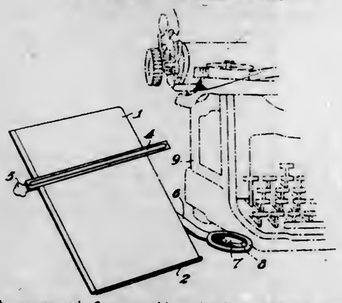
In a machine of the kind described, a casing having catch receptacles in its lower portion, a rotary cylindrical screen in the upper portion of

said casing, means for delivering onto the exterior of said screen material to be separated, a pair of cooperating catapulting rollers in said casing arranged to receive the coarser materials



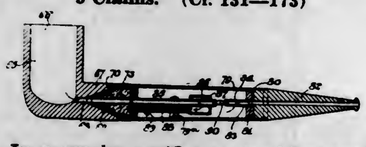
from said screen and to project the same over the underlying catch receptacles, one of said catch receptacles being located immediately below said rollers and receiving the finer particles passing thru said screen.

2,274,888
SUPPORT FOR MATTER TO BE COPIED
Thomas Lewis Coppock, Buenos Aires, Argentina
Application June 19, 1941, Serial No. 398,833
In Argentina August 5, 1940
3 Claims. (Cl. 120—28)



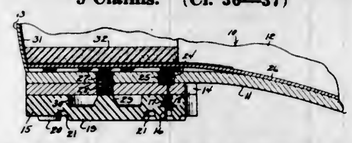
1. A support for matter to be copied comprising a platform, an arm secured to the platform, said arm being angled within its length, a foot on the free end of said arm for retention beneath the frame of a typewriter or other machine with the platform supported with its base pressed on the supporting surface and the platform disposed at an angle so as to face the operator.

2,274,889
SMOKE PURIFIER
Francis H. Cullen, Philadelphia, Pa.
Application September 24, 1937, Serial No. 165,451
5 Claims. (Cl. 131—173)



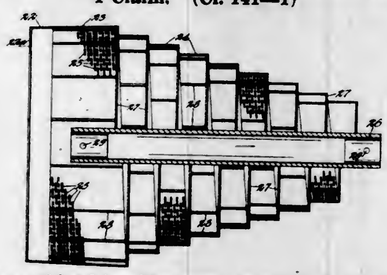
1. In a smoke purifier, a smoking appliance having a casing with a tapered socket and an offset shoulder, an absorbent filter cartridge including a body of absorbent material, a shell surrounding said absorbent material and having a tapered end with an offset for insertion in the socket in only one position and a closure mounted in the base end of said shell, a stem fitted over that portion of the filter cartridge which projects from the socket, a barrier within the stem intermediate its ends to provide a liquid receiving chamber, a condenser located in said stem and comprising a barrel having one end communicating with the filter cartridge and provided with side openings adjacent the opposite end, an outer tube surrounding that portion of the barrel having the side openings therein, a small tube leading from said outer tube with an end set in the filter cartridge and closed thereby and said smaller tube having a bottom opening adjacent the filter cartridge leading to the liquid holding compartment, a mouthpiece mounted in the outer end of the stem, a tube having side openings and communicating with the bore of the mouthpiece and in endwise alignment with the barrel and means to temporarily close the contiguous ends of the said last named tube and the barrel.

2,274,890
SHOE HEEL
Charles Alaxendra Cunningham, New York, N. Y.
Application January 8, 1941, Serial No. 373,678
5 Claims. (Cl. 36—37)



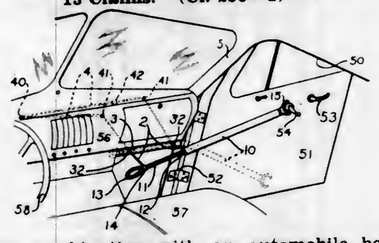
1. In a shoe construction including an insole and a heel, a plurality of relatively weak springs seated in circumferentially spaced sockets opening through the upper surface of the heel, and a relatively strong spring seated in a centrally located socket opening through the upper surface of the heel, all of said springs extending above the mentioned surface of the heel and against the said insole in a manner to hold the said insole in spaced relation with the heel.

2,274,891
MACHINE FOR CLEANING SMALL MACHINE PARTS
Martinius G. Dysthe, Minneapolis, Minn.
Application July 24, 1939, Serial No. 286,093
1 Claim. (Cl. 141—1)



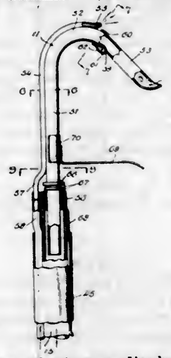
A combined tumbler drum and object elevating device for entrance and exit of objects at respective ends thereof including a peripheral portion comprising a reticulated flat band having a width normal to radii of said drum, said band extending helically about the rotational axis of said drum with a radius relative to said axis diminishing from the entrance end to the exit end of said drum, a helical wall disposed radially of said axis and joined in its outer portion to mutually nearest edges of adjoining convolutions of said band, and means supporting said drum for rotation about said axis, said axis being disposed horizontally whereby objects may be introduced into the entrance end of said drum at a level below the level at which said objects will be discharged from said exit end.

2,274,892
AUTOMOBILE DOOR PULL
Joseph Chester Fox, Seattle, Wash.
Application June 10, 1941, Serial No. 397,401
13 Claims. (Cl. 296—1)



1. In combination with an automobile body and door, a tension member secured at one end to the door, outwardly of its hinge, its opposite end extending across the automobile body, and resiliently extensible means normally holding such latter end retracted, but yieldable under the tension of a pull on said member in closing the door.

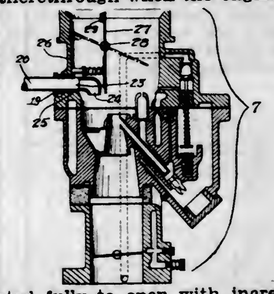
2,274,893
DENTAL APPARATUS
Hyman Freedman, Brooklyn, N. Y.
Application June 8, 1937, Serial No. 147,013
4 Claims. (Cl. 32—33)



4. In a saliva ejector, a discharge tube having a mouthpiece at one end, an incandescent lamp carried by said mouthpiece, a mounting in which said tube is rotatable, electrical conductors supported by said mounting, contact elements forming a part of and rotatable with said tube and engaging said conductors in various positions of rotation of said tube relative to said mounting, and means to supply current from said contact elements to said lamp.

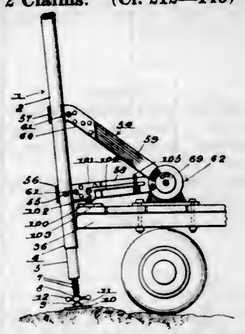
2,274,894
CRANKCASE VENTILATING SYSTEM
Russell J. Gray, Minneapolis, Minn.
Application February 5, 1940, Serial No. 317,271
6 Claims. (Cl. 123—119)

3. A crankcase ventilating system for internal combustion engines, including a generally tubular collar adapted for insertion between the air cleaner and the top of the carburetor to form a part of the air-passageway through which the air from the air cleaner passes to the carburetor, a weighted butterfly valve in said generally tubular collar, adapted at least partly to close the air-path therethrough when the engine is idling



and adapted fully to open with increasing engine speed, a nozzle in said generally tubular collar, below said butterfly valve and extending into the air-path through said generally tubular collar, and having an opening generally in the direction of the air-flow, and a free conduit adapted to connect said nozzle with the vapor-accumulating space of the crankcase of the engine.

2,274,895
TRAVERSING HOIST
George Haniquet, Glendale, Calif.
Original application December 29, 1938, Serial No. 248,353. Divided and this application September 13, 1939, Serial No. 294,756
2 Claims. (Cl. 212—145)

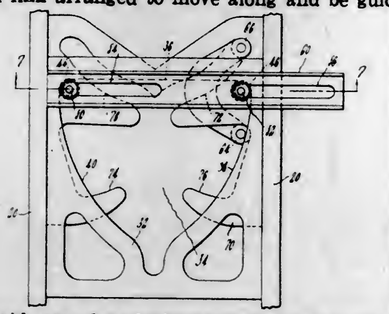


2. A derrick comprising a boom, and a vehicle platform by which it is transportable, a frame to which the boom is rigidly secured, a shaft upon which the frame is turnably mounted, said shaft being situated near one end of the platform so that the boom can be swung over said edge to rest on the ground, and interconnectible means mutually carried by the platform and a portion of the frame for holding the frame down in respect to the platform and from turning on the shaft.

2,274,896
REVERSING SEAT BASE WITH FORWARD SHIFT
Oiva E. Hill, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 19, 1939, Serial No. 300,103
6 Claims. (Cl. 155—96)

1. A reversing seat-base mechanism compris-

ing a stationary pedestal including a top with cam edges thereon, a seat frame rotatable on said pedestal 180° from one position for use to the reversed position, and means guiding said seat frame in its reversing movements, said guiding means including an elongated guide link extending in a front-to-rear direction when the seat is in either position for use and slidably connected to said frame for movement relative to said frame in the direction of the long axis only of the link, a pair of cam followers at the ends of said link arranged to move along and be guided



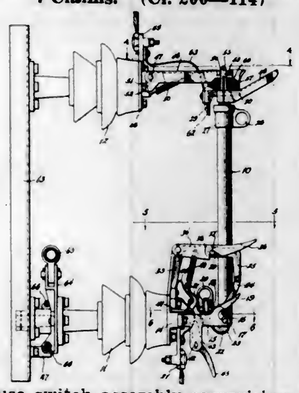
by said cam edges during reversing movements of said seat frame, said cam edges being shaped to cause the center point of the link to move away from one end of the pedestal during the initial portion of a reversing movement of the link and seat frame and to move back toward said end of the pedestal during the final portion of said reversing movement, a pair of cam followers mounted on said seat frame, and stationary cam edges engaged by said last-mentioned followers to slide said seat frame on said guide link during the initial and final stages of the reversing movements of the seat frame.

2,274,897
MUSICAL INSTRUMENT
Hal Horne, New York, N. Y., assignor to Kershaw Burbank, doing business as Sing-A-Tina Studio, New York, N. Y.
Application July 2, 1941, Serial No. 400,791
8 Claims. (Cl. 46—178)



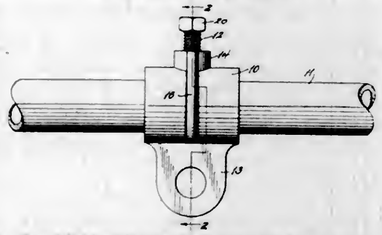
1. A musical instrument comprising a hollow casing which has a mouth opening and which is substantially closed save at said mouth opening, said casing consisting of a pair of substantially identical dished and resilient shells which have respective lateral peripheral flanges, said flanges having lateral enlargements adjacent said mouth opening, said shells being connected to each other only at said lateral enlargements, the shells being thicker at said lateral enlargements than at the other portions of said shells to provide a mouthpiece of greater rigidity than the other portions of said shells, said flanges being separable save at said lateral enlargements, said flanges having grooves, the edges of the grooves of the respective flanges substantially abutting each other in the normal positions of the shells, the vibration of said shells under the action of an incoming sound wave which enters the casing through said mouth opening, producing an emitted sound wave which is different from said incoming sound wave.

2,274,898
FUSE SWITCH
Tomlinson F. Johnson, Atlanta, Ga.
Application March 17, 1939, Serial No. 262,521
7 Claims. (Cl. 200—114)



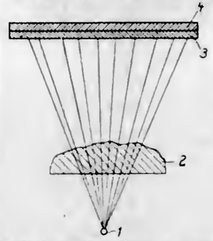
7. A fuse switch assembly comprising, in combination, a vertical support; an upper horizontal insulator secured to the support; a spring biased pivoted arm mounted on said insulator; a contact member loosely suspended from said arm; a lower horizontal insulator parallel with the upper insulator mounted for rotation about its own axis on the support and having open bearings; a fuse unit including a saddle member having trunnions removably and pivotally mounted in said bearings; a terminal on the upper end of the fuse unit adapted to engage said resilient contact member; a fuse element secured in said saddle member normally holding the upper fuse terminal engaged with the resilient contact when the fuse unit is in closed position; a pivoted spring urged member biased normally to cause the fuse unit to drop outwardly and downwardly in one direction when the fuse element blows; and manually operable means connected to swing the fuse unit in another direction to disengage it from the resilient contact.

2,274,899
CONNECTING MEANS
Tomlinson F. Johnson, Atlanta, Ga.
Application September 16, 1940, Serial No. 357,068
3 Claims. (Cl. 85—1)



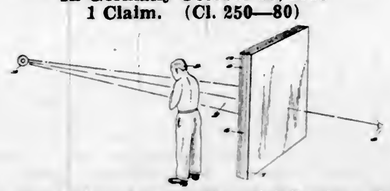
1. A self-piercing screw comprising a threaded shank having means for turning it at one end; and an integral, smooth, frusto-conical, hardened extension of reduced diameter at the other end and having a biased work engaging end, the angle of inclination of said biased end being greater than the thread angle of the screw threads.

2,274,900
METHOD OF INVESTIGATING SUBSTANCES
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application October 6, 1939, Serial No. 298,336
In Germany October 12, 1938
19 Claims. (Cl. 250—83)



1. A method for showing a representation of the distribution of the intensity in a neutron beam, which comprises applying a layer containing atomic nuclei adapted to be transformed into gamma radiation emitting nuclei by the action of impinging neutrons to a layer of fluorescent material and exposing the associated layers to the action of a beam of slow neutrons.

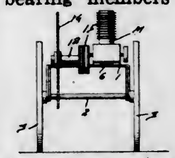
2,274,901
DEVICE FOR SHOWING THE DISTRIBUTION OF THE INTENSITY IN A NEUTRON BEAM
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application October 19, 1939, Serial No. 300,277
In Germany October 19, 1938
1 Claim. (Cl. 250—80)



A device for showing the distribution of the intensity in a neutron beam with the aid of a luminous substance and a neutron-reactive material which device consists essentially of a layer of a neutron-reactive material which emits heavy charged particles under the action of impinging neutrons, a layer of fluorescent material permeable to light, and, between said two layers, a light reflecting layer which is permeable by said heavy charged particles.

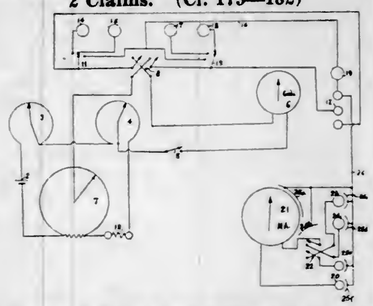
2,274,902
PORTABLE TIMBER CUTTING APPARATUS
Morrell Auston Knight, Brunswick, Ga., assignor to Kut-Kwick Tools, Inc., Brunswick, Ga., a corporation of Georgia
Application November 27, 1940, Serial No. 367,453
2 Claims. (Cl. 143—43)

1. In a device of the class described, a frame including an inverted U-shaped part, a shaft carried by the ends of the limbs of said part, wheels carried by the ends of the shaft, said frame also including a rear part and members connecting the rear part with the U-shaped part, a platform supported by the upper portion of the U-shaped part and the rear part, a motor carried by the platform, bearing members carried by the upper portion of the U-shaped part of the frame and the rear part, an elongated shaft passing through the bearing members and supported



therein for rotary movement, a handle on the rear part of the elongated shaft, a transverse bearing member connected with the other end of the elongated shaft, a saw shaft journaled in the transverse bearing member, a saw at one end of the shaft, pulley means at the other end thereof, pulley means on the shaft of the motor, belt means connecting the pulleys together and latch means for holding the elongated shaft either in position with the saw in vertical position or said saw in horizontal position.

2,274,903
ELECTRICAL PROSPECTING APPARATUS
Shelley Krasnow, New York, N. Y., and Joseph M. S. Kaufman, Washington, D. C.
Application February 6, 1937, Serial No. 124,516
2 Claims. (Cl. 175—182)

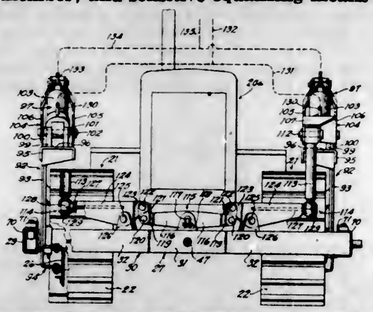


1. In an electrical prospecting apparatus, a current circuit and a potential circuit, rigidly fixed members of both said circuits for making connections to the earth, and a cooperating calibrating member having elements registering mechanically with the members of both circuits, the calibrating member serving to connect temporarily simultaneously the current and potential circuits, the calibrating member having a resistance element serving to simulate the effect of an earth resistance of known value.

2,274,904
TRAIL BUILDER ATTACHMENT FOR TRACTORS
Frank P. Lawler, Huntington Park, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio
Application August 14, 1939, Serial No. 290,094
19 Claims. (Cl. 37—144)

1. In an attachment for use with a tractor of the character described having tread elements at the sides thereof, the combination of: a ground

engaging member; means for connecting said ground engaging member to said tractor so that it may be raised and lowered; equalizing means carried by said tread elements and being operative to apply a force to lift said ground engaging member; and sensitive equalizing means con-

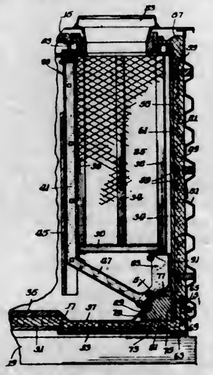


necting said first named equalizing means to said ground engaging member, said equalizing means compensating for the movement of said tread elements relative to said ground engaging member as said tread elements move over uneven ground.

2,274,905
METHOD FOR DEHYDRATION AND CURING OF VEGETABLE MATERIALS
Lawrence W. Lewis, Beverly Hills, Calif.
No Drawing. Application June 22, 1939, Serial No. 280,552
8 Claims. (Cl. 99—8)

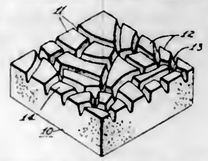
1. In the process of curing solid juice-containing vegetable feed materials, the step comprising mixing an amount of quicklime with said materials sufficient to dry up perceptible moisture and produce a dry non-spoiling feed.

2,274,906
REFRIGERATOR CONSTRUCTION
John S. Lundvall, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application March 23, 1938, Serial No. 197,606
15 Claims. (Cl. 105—411)



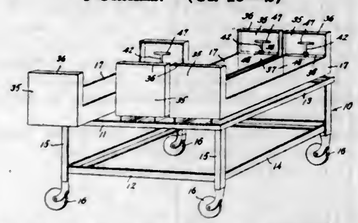
1. In a refrigerator car having spaced side walls and an end wall, a bulkhead defining a cooling chamber adjacent said wall and a storage chamber adjacent the cooling chamber, said bulkhead adapted to receive the thrust of cargo in said storage chamber, a channel member extending between and secured to the opposite side walls of said car in position to engage and support said end wall, and means to brace said bulkhead on said channel member.

2,274,907
PROCESS OF MAKING MOSAIC
Joseph A. Madala, Chicago, Ill.
Application May 31, 1941, Serial No. 396,031
8 Claims. (Cl. 18—61)



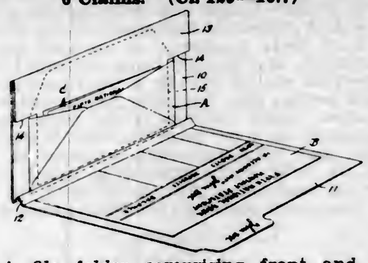
1. The process of making mosaic comprising forming a clay block, forming a desired design in the upper portion of the clay block with substantially deep grooves separating areas, placing cement in the grooves, covering the upper design bearing portion of the clay block with a high temperature cement, turning the new block so formed upside down with the backing as a bottom support, cutting away the now upper excess portion of the clay block down to the inner ends of the areas bound together by the cement and firing the article so formed for the finished mosaic.

2,274,908
FILING APPARATUS
James B. Murray, Garden City, N. Y.
Application January 23, 1941, Serial No. 375,571
6 Claims. (Cl. 45—2)



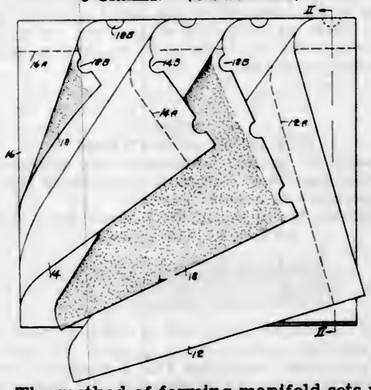
1. In a filing apparatus, a carriage, a file drawer, cooperating means carried by said drawer, and carriage supporting said drawer on said carriage for guided rolling movement of the drawer to and from projected relation with reference to opposite edges of the carriage, a guard rail secured to said carriage longitudinally of the drawer and having spaced notches therein, a latching lever pivoted to the underside of the drawer, means for urging the outer end of the lever into engagement with said notches respectively for latching the drawer in predetermined fixed relations to the carriage, a release bar extending longitudinally of the drawer and connected with the inner end of said latching lever, upwardly extending shift rods carried by the drawer at the ends thereof respectively for limited vertical movement and supporting said release bar at the opposite ends thereof, and a manipulating handle at the upper end of each of said shift rods adapted to be manually raised for optionally raising the opposite ends of the release bar for releasing the lever from latched engagement with said notches for freeing the drawer from fixed relation with reference to the carriage.

2,274,909
FILE FOLDER
James B. Murray, Garden City, N. Y.
Application March 25, 1941, Serial No. 385,043
6 Claims. (Cl. 129—16.7)



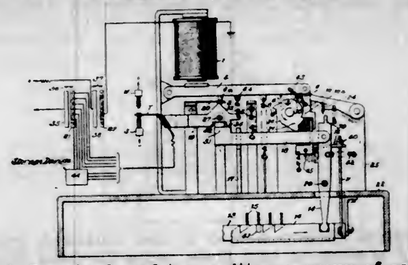
4. A file folder comprising front and rear leaves hingedly connected together along their bottom edges and a flap depending from the front leaf and hingedly connected along its upper edge to the upper portion of the front leaf, said flap being of a length and having its lower end portion of a relatively lesser width than the front leaf so that the same is adapted to engage within the open mouth of an envelop to retain the envelop in juxtaposition to the folder, said flap also being adapted to serve as a guide for facilitating the insertion of the bank checks into the envelop between said flap and the back of the envelop.

2,274,910
METHOD OF MAKING MANIFOLD SETS
George Lee Newton, Memphis, Tenn.
Application April 14, 1941, Serial No. 388,467
6 Claims. (Cl. 282—24)



1. The method of forming manifold sets which includes assembling a pile of sheets to form a plurality of superposed sets, each set including in alternating succession record sheets and carbon sheets, each set being begun with a record sheet and completed with a record sheet, evening the binding ends of the sheets of said pile, placing said pile on a support with said sheets in such superposed relation, displacing the successively overlying sheets of said pile in substantial even progression away from said binding end to create a stepped end pile, applying adhesive to said stepped end, re-shifting said sheets toward said end to substantially restore said even end pile, allowing said adhesive to partially dry, raising a corner of the top set of sheets remote from said binding end, and removing said set by pulling said corner daigonally across said pile, and repeating said separating action until all said sets are separated.

2,274,911
DIRECT KEYBOARD TRANSMITTER
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1941, Serial No. 395,911
10 Claims. (Cl. 178—79)



1. In a keyboard transmitter, a group of code-element contactors settable to marking and spacing positions in accordance with the units of a code signal, a key-lever-and-code-bar assembly having mechanism linked therewith for selecting the appropriate position of each of said contactors, a cam assembly operable in response to a key depression and arranged to release said selecting mechanism from a normally locked-down position, spring actuated means for setting all of said contactors simultaneously after release of said mechanism, and electro-magnetic means cyclically operative for causing said release and for subsequently restoring said selecting mechanism to its normally locked-down position after each key depression.

2,274,912
GARTER
Ella Marie Tompsett, Bloomfield, Nebr.
Application June 19, 1939, Serial No. 279,868
8 Claims. (Cl. 241—4)

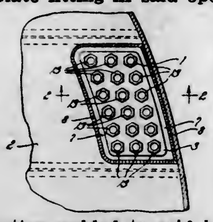


1. Garters including a pair of straps of a length to pass over the shoulders of the wearer for attachment to the stockings at opposite points of the upper edges of the stockings, said straps being crossed at the back thereof and having interlocking loops for limited sliding reception thereof and being parallel to each other in the portion passing over the wearer's chest, and a pair of crossed straps between the parallel portions of said first named straps, said crossed straps being secured at their extremities to said first named straps but having free sliding contact with each other, and said interlocking loops and crossed straps constituting the only connecting means for said first named straps.

2,274,913
MEANS FOR PASSING CABLES AND THE LIKE THROUGH STRUCTURAL WALL MEMBERS
Edwin B. Wheeler, New London, Conn., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application January 24, 1940, Serial No. 315,299
2 Claims. (Cl. 114—65)

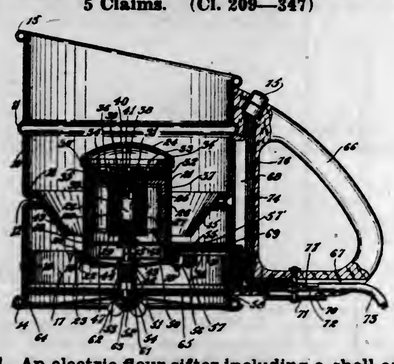
1. In submarine boat construction, a hull and a bulk-head therein, said bulkhead having a pre-

determined area thereof removed providing an opening therethrough substantially corresponding in area and location to the area to be occupied by cables to be passed through said bulkhead, a plate comprising a relatively thick body portion and a relatively thin marginal portion of substantially the same thickness as said bulkhead, said plate fitting in said opening with its



marginal portion welded to said bulkhead, said body portion of said plate being provided with threaded and seated cable receiving apertures therethrough, cables passing through said apertures, packing material disposed in said apertures about the respective cables, and packing glands disposed about the respective cables threaded into said apertures and compressing therein said packing material.

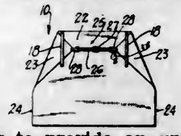
2,274,914
ELECTRIC FLOUR SIFTER
Albert C. Wilcox, East Liverpool, Ohio
Application July 12, 1940, Serial No. 345,110
5 Claims. (Cl. 209—347)



1. An electric flour sifter including a shell open at its lower end, a magnet supported within said shell, a housing enclosing the sides and top of the magnet, a flexible diaphragm connected at its periphery to the lower end of said housing, a vertically reciprocating core within the magnet said core being located through and connected to the central portion of said diaphragm, a sieve suspended from the core below the diaphragm, a normally closed make and break device for controlling the magnet, means upon the core for opening the make and break device on the upstroke of the core and a leaf spring connected at its center to the sieve and having its ends engaged beneath the bottom of the shell for urging the core downward.

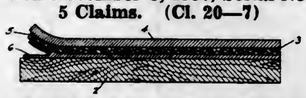
2,274,915
PINLESS DIAPER
Hanna Bertha Woite, Flushing, N. Y.
Application December 16, 1940, Serial No. 370,247
1 Claim. (Cl. 128—284)

A pinless diaper for a baby, including a uniformly rectangular one-piece sheet member folded centrally to provide an element having outer and inner sections of generally rectangular form, spaced loops sewn to said outer section only, said loops extending in the direction of the length of said element and being located at one end of said element at the corner regions thereof, said loops being positioned on an outer face of the element, said element being centrally folded between its ends to provide a front section and a back section with the latter having the loops, the upper corner portions of the front section overlapping the upper corner portions of the back section and being removably engaged in said loops, the latter being sufficient in length to receive the said corner portions of the front section, the corner portions thus received being tri-



angular so as to provide an upwardly tapered waist engaging section for the diaper, the said sections affording leg openings below the overlapping corner portions, and means interconnecting the corner portions of the front section including the outer and inner sections at the ends of said corner portions to maintain said corner portions within the loops, said means comprising a band located at the back sections and including an elastic portion, said means comprising a member detachably connected at least to that corner portion which is remote from the fold line between the inner and outer sections, and the inner section being supported adjacent to the loops by engagement over the hips of the baby, whereby the diaper can be opened up flat to form the initial sheet member to facilitate laundering thereof.

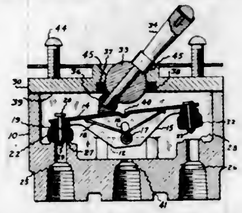
2,274,916
BUILDING STRUCTURE
Benjamin F. Adams, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 8, 1937, Serial No. 173,407
5 Claims. (Cl. 20—7)



1. In a building structure, a base, a hard surface covering embodying a stratum of partible fibrous material saturated with a moisture resistant substance, and a dried solidified rupturable adhesive which is resistant to tensile forces in the range of 6 to 30 pounds as determined by the Scott test and is less resistant to tensile forces than said partible fibrous stratum permanently securing said covering in bonded relation directly to the base, whereby the covering may be removed from the base by rupture of said adhesive without rupturing the partible stratum.

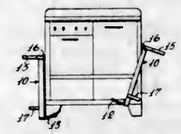
2,274,917
SELECTOR VALVE
Bert G. Carlson, Willobee, and Charles H. Crawley, Euclid, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1941, Serial No. 406,826
6 Claims. (Cl. 277—21)

1. In a valve embodying a casing having a chamber formed therein, a pair of ports in said casing communicating with the chamber, valve seats associated with said ports, a pivotally mounted rocker in said chamber having valve elements mounted on the ends thereof for engaging said seats, a spring in said chamber engaging said rocker and urging said rocker in a



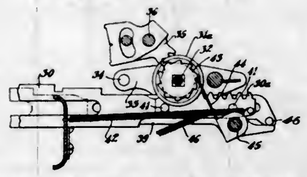
direction to unseat said valve elements, a handle pivotally mounted in said casing and having an end portion engageable with said rocker whereby said rocker and valve elements may be urged against the action of said spring towards one or the other of said seats upon actuation of said handle.

2,274,918
LIFTING AND PORTABLE MOVING IRON
Joseph C. Chenette, Flat Rock, Mich.
Application June 5, 1940, Serial No. 338,849
3 Claims. (Cl. 294—15)



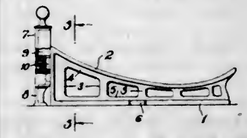
2. A rubber sheathed carrying iron comprising an elongated bar having a foot disposed normal thereto at the lower end thereof, a bearing member extending normally from the top end of the bar on the same side as the foot, a second foot welded to the lower end of the bar normal thereto and to said first foot, a hand hold member extending outwardly from the rear face of said bearing member in the opposite direction from said second foot and at right angles to said first foot, and a second hand hold member welded to said elongated bar adjacent the foot end thereof and extending laterally therefrom upon the same side as said first hand hold member for obtaining a close coupled grip upon an article to be carried.

2,274,919
CALCULATING MACHINE
Harold W. Clark and Jordan W. Dezenzo, Alliance, Ohio, assignors to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application September 22, 1938, Serial No. 231,219
2 Claims. (Cl. 235—60)



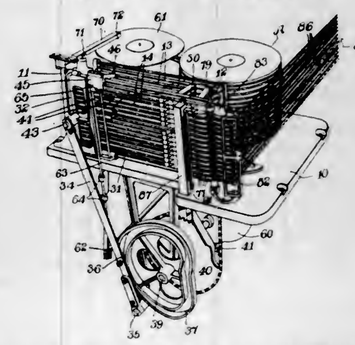
1. In a calculating machine having a plurality of register wheels, a plurality of reciprocable racks for actuating said wheels respectively and means for moving the wheels into and out of engagement with the racks, one of said racks having a separable, toothed portion for engaging the corresponding wheel means for urging said separable toothed portion toward the remainder of the rack, and a pawl arranged to engage said wheel when it is moved into engagement with said separable, toothed portion of the rack for preventing rotation of said wheel only when said rack is moved in one direction.

2,274,920
ANDIRON
Stanley Burton Covert, Larchmont, N. Y.
Application September 7, 1940, Serial No. 355,798
7 Claims. (Cl. 126—298)



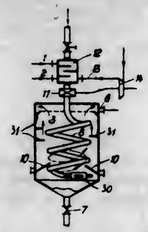
1. An andiron provided longitudinally at the bottom and from the front end to the rear end thereof with a flat unbroken base adapted to lie throughout its length upon a hearth, said andiron being provided along the top and throughout the length thereof with an unbroken curved log supporting surface extending upwardly from a point between said front and rear ends to both of said ends.

2,274,921
AUTOMATIC PHONOGRAPH
William M. Filben, St. Paul, Minn.; Bernice M. Filben administratrix of said William M. Filben, deceased
Application July 15, 1937, Serial No. 153,772
34 Claims. (Cl. 274—10)



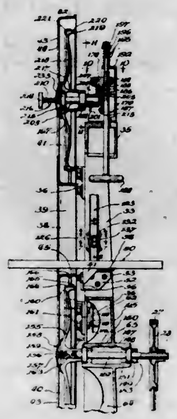
5. In a phonograph, a series of superimposed movably supported record supporting means, a movable carriage movable along the path of movement of said record supporting means, a slug vertically slidable on said carriage and engageable with any of said record supporting means to move the same with said carriage, arresting means adjacent each record supporting means movable into the downward path of said slug to support said slug for engagement with any of said record supporting means upon movement of said carriage, and means on said arresting means engageable with said slug upon movement of said carriage to move said arresting means out of the downward path of said slug.

2,274,922
REACTION VESSEL
Emil Fischer, Essen, Germany
Application July 11, 1938, Serial No. 218,612
In Germany July 23, 1937
1 Claim. (Cl. 210—16)



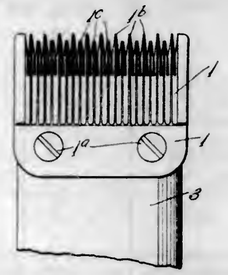
Reaction vessel comprising in combination, a liquid container, a spiral pipe extending into said container and into proximity of its bottom, means at the bottom end of said pipe for creating a vortex in the liquid in the container, spiral-shaped guide vanes on the inner wall of the container and means for forcing a reaction mixture through the pipe into the container at a high velocity of flow.

2,274,923
BAND SAW
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,669
8 Claims. (Cl. 143—31)



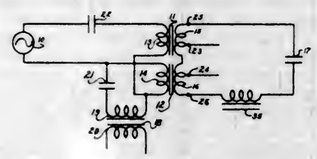
7. In a mechanism for adjusting the position of a band saw pulley, the combination of a support with a lever pivotally carried by said support depending therefrom, said lever having a transverse bore, a hollow shaft fixedly secured in said bore, said shaft having a threaded bore, a threaded rod in said shaft threadedly engaging said latter bore, said rod projecting from said shaft at each end, manual means carried by the outer end of said rod opposite to said pivoted lever, and a band saw pulley rotatably mounted on said shaft whereby the angular position of the shaft and pulley may be adjusted by said threaded means while the pulley is rotating.

2,274,924
CLIPPER BLADE
Edward J. Hill, San Diego, Calif.
Application July 8, 1940, Serial No. 344,346
3 Claims. (Cl. 30—225)



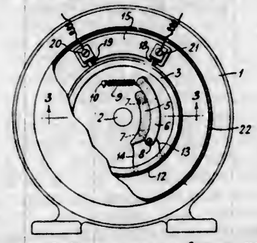
1. In a clipper blade of the class described, the combination with a conventional hair clipper having a reciprocating blade, of a stationary clipper blade member having straight spaced long and short clipper blade portions the long blade portions extending past the short blade portions at their extended ends, said short blade portions being alternately interposed between said long blade portions.

2,274,925
STATIC FREQUENCY CHANGER
Henry Martin Huge, Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to Closman P. Stocker
Application October 26, 1939, Serial No. 301,469
19 Claims. (Cl. 172—281)



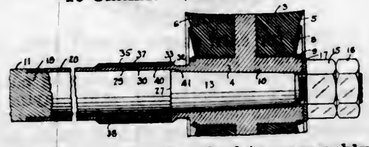
18. A magnetic frequency changer adapted to be energized by a suitable source of alternating current and generating a new frequency comprising, in combination, a magnetizable core provided with two magnetic paths having a bridging member in common, first winding means, second winding means, one of said winding means on each of said paths, a first circuit adapted to be connected to the said source and including a condenser and said first and second winding means in series to create alternating fluxes in said two paths which are in opposition in said bridging member, third winding means inductively related with said bridging member, a self-exciting first circuit including a capacitor connected to the third winding means to receive energy therefrom and establishing a leading current of a harmonic of the source to flow through the third winding means to self-excite and bias the magnetizable core means for generating the new frequency, a second circuit including a second capacitor, a second inductance element and an output impedance element connected in series with each other and in closed circuit relation with the third winding means, and a third capacitor shunting the second inductance element and the output impedance element.

2,274,926
SPEED REGULATOR FOR ELECTRIC MOTORS
William Kimmich, Flushing, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 13, 1938, Serial No. 184,778
6 Claims. (Cl. 201—48)



1. Speed regulating means for a motor comprising a feeder circuit for said motor, a variable resistor in said feeder circuit said resistor comprising a pair of elements having mutually contacting surfaces the resistive properties of which vary as a function of contacting pressure, one of said elements being fixedly mounted on the rotor of said motor, the other of said elements being eccentrically pivoted with respect to said rotor and subject to radial displacement by centrifugal force, and resilient means for maintaining a normal contacting pressure between said surfaces, said resilient means acting in opposition to said centrifugal force applied to said pivotally mounted element during rotation of said rotor.

2,274,927
SLEEVE TYPE PISTON ROD
Francis M. Lankford, Houston, Tex.
Application November 4, 1940, Serial No. 364,189
16 Claims. (Cl. 309—4)



5. A slush pump rod and piston assembly including a rod, a tapered end thereon, a piston fitted on said rod, means to clamp the piston in said fitted position, and additional means to form a seal between the rod and piston to prevent leakage along the rod comprising a resilient packing about the rod which is exposed to the pressure being pumped to form a seal with the rod and a pair of sleeve portions projecting beneath the ends of said packing, one of said sleeves being on said rod and the other formed as a part of said piston.

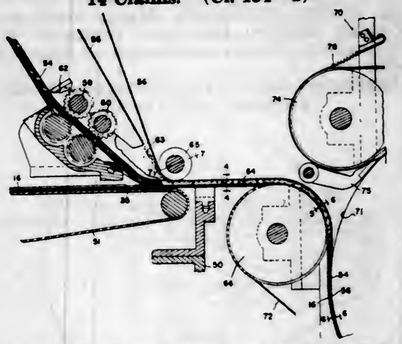
2,274,928
TIRE RETAINING CLIP FOR RAILWAY WHEELS
George McCormick, Redwood City, Calif.
Application December 13, 1941, Serial No. 422,903
7 Claims. (Cl. 295—15)

1. In a railway wheel having a metal wheel center and a metal tire surrounding the periphery thereof, said wheel center and said tire having mutually engaging portions to prevent shifting of the tire in one lateral direction, a plurality of clips spaced around the wheel for preventing said tire from shifting in the opposite direction, each of said clips having its outer end portion overlapping the side face of the tire and its inner end portion overlapping the wheel center, said inner end portion having a recess whose



depth is less than the distance between the inner end of said clip and the inner edge of the tire, and a welded joint between said clip and the wheel center, said welded joint being confined to the bounding edges of said recess.

2,274,929
UPHOLSTERY
John R. Millar, Reno, Nev., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application March 27, 1939, Serial No. 264,476
14 Claims. (Cl. 154—1)



1. Apparatus for forming stuffed pleated upholstery which comprises a heated roll, a pressure band engaging said roll and movable therewith throughout less than its complete circumference, means for assembling and continuously advancing upholstery material including sheeting, fabric, laterally spaced batts and an intermediate band of thermal setting material, said pressure band adapted to press said upholstery against said heated roll along the line of said thermal setting material.

2,274,930
IMMERSION HEATER FOR ELECTRICALLY HEATED DOMESTIC UTENSILS AND OTHER APPLIANCES
Albert Edward Newton, Birmingham, England, assignor to Premier Electric Heaters, Limited, Birmingham, England
Application July 1, 1938, Serial No. 217,011
In Great Britain July 1, 1937
7 Claims. (Cl. 219—44)

1. In a vessel for heating liquids, an electric heater comprising a mounting, a heating element thermally connected to said mounting and adapted to be immersed within the liquid, a switch adapted to control the supply of current to said element, a heat transmitting portion of said

mounting disposed at a level higher than that of the highest part of said heating element, a bimetallic strip mounted in direct contact with said heat transmitting portion, said bi-metallic strip being adapted, when heated to a predetermined temperature, to deform and operate said switch to reduce the current supplied to said ele-



ment, and said heat transmitting portion having a high thermal conductivity and being adapted to be uncovered by said liquid before uncovering of said element, so that immediately the temperature of said element rises above its operating value, said heat transmitting portion will transmit the heat directly to said bimetallic strip and cause the latter to operate said switch.

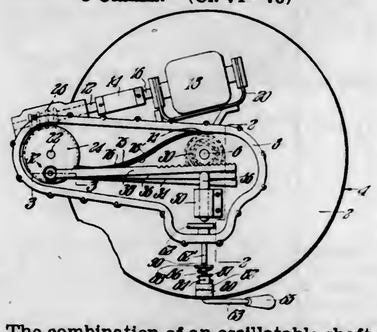
2,274,931

DRIVING MECHANISM

John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts

Application July 16, 1941, Serial No. 402,621

3 Claims. (Cl. 74—78)



1. The combination of an oscillatable shaft and a rotatable member with means for oscillating the former by the latter comprising, a plurality of driven gears of different diameters on said oscillatable shaft, a plurality of driving members with ends pivoted to the rotatable member and having free ends each provided with teeth for operatively engaging the teeth of one of said gears, and means for selectively engaging and holding the teeth of any one of said driving members in engagement with the teeth of its respective gear.

2,274,932

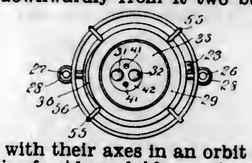
ELECTRIC LANTERN

Henry B. Patche, Kansas City, Mo., assignor to Genesy Electric Lantern Company, Rawlins, Wyo., a corporation of Wyoming

Application July 24, 1940, Serial No. 347,176

2 Claims. (Cl. 240—10.63)

1. In a lantern, a casing having in its side wall a horizontal slot and having below said slot a bottom member having a central vertical hole eccentric to the axis of said casing, a circular bulb supporting member revoluble on said bottom member to two positions and having on its under side a circular concentric boss revolubly fitted in said hole, said revoluble member having an edge portion only of its periphery projecting outwardly through said slot, said boss having extending downwardly from it two bulb receiv-



ing sockets with their axes in an orbit concentric with the axis of said revoluble member and intersecting the axis of said casing, and a plate fastened to the under side of said boss and projecting therefrom and engaging the under side of said bottom member, and having two holes through which respectively extend said two sockets.

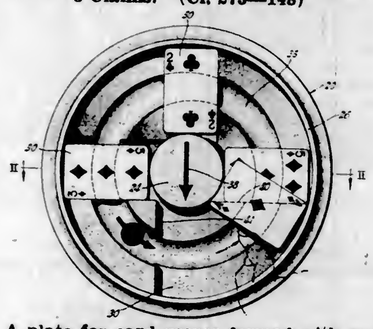
2,274,933

GAME MEANS

Clifford H. Peck, East Aurora, N. Y.

Application June 8, 1939, Serial No. 278,098

8 Claims. (Cl. 273—148)



1. A plate for card games formed with an upstanding central post and an upstanding outer marginal rim and an annular playing card receiving surface therebetween, said playing card receiving surface being segmented into parts corresponding to the players of the game, each of said parts including a card receiving pocket portion and inclined means extending therefrom to the next adjacent pocket portion adapted to change the elevation of the advancing edge portions of playing cards when the latter are moved circularly around said central post upon said receiving surface into stacked relationship.
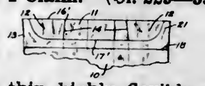
2,274,934

BAG STRUCTURE

Thomas E. Piazze, Milwaukee, Wis., assignor, by mesne assignments, to Marshall & Ilsley Bank, Milwaukee, Wis., a Wisconsin bank

Application April 1, 1938, Serial No. 199,369

1 Claim. (Cl. 229—53)



A bag of thin highly flexible cellulose sheet material adapted to be collapsed into flat condition and susceptible of contracting at the bag mouth when the bag is distended, said bag including a closed bottom and having a score line disposed completely thereabout adjacent to and

spaced from and substantially parallel to the mouth edge, said bag when in collapsed flat condition having the opposite outer marginal edges of its mouth portion above said score line flaring outwardly at an angle from the score line to permanently enlarge and gradually expand said mouth portion, the body of said bag when in said collapsed flat condition below said score line having marginal edges defining a substantially rectangular configuration, said score line serving to arrest tearing of the cellulose bag material at the mouth portion during filling and said outwardly flaring mouth portion serving to compensate for normal contraction of the mouth portion when the bag is distended for filling, to the end that when so distended the entire configuration of the bag including the mouth portion above the score line is substantially rectangular.

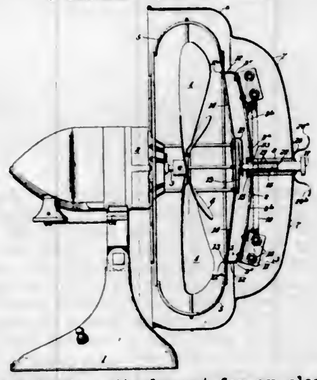
2,274,935

HEATER ATTACHMENT FOR ELECTRIC FANS

James M. Naul, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 11, 1940, Serial No. 360,740

9 Claims. (Cl. 219—39)



6. In a heater attachment for an electric fan having a fan-blade guard, means for securing the heater attachment to said fan-blade guard including a single spring actuated clamping element carried axially of said attachment, and a reaction element spaced from said clamping element and adapted to engage said guard in a plurality of circumferentially spaced positions.

2,274,936

MANUFACTURE OF CONCRETE OR MORTAR

Carl Pontoppidan, Holte, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

No Drawing. Application May 26, 1939, Serial No. 275,852. In Great Britain May 30, 1938

11 Claims. (Cl. 106—97)

1. In the manufacture of mortar or mass concrete from hydraulic cement produced by a burning reaction and aggregate, the steps which comprise aqueously extracting from the cement water-soluble alkali compounds, separating the cement from the aqueous extracting medium, and thereafter mixing the cement with the aggregate.

2,274,937

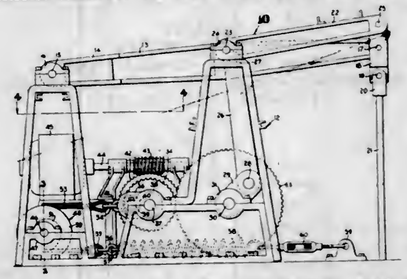
RESILIENT COUNTERBALANCING DEVICE

Hardy H. Raulerson, Long Beach, Calif.

Application December 19, 1939, Serial No. 309,981

7 Claims. (Cl. 74—592)

1. In a counter-balance for an oscillating beam, a base, a shaft on said base, means operated by the shaft for oscillating said beam, a crank arm on said shaft, a second shaft mounted on said base and spaced from said first shaft, a pulley member on said second shaft, said pulley including a flexible member engaging portion, a flexible member having one end anchored to said pulley and passing thereover and having the opposite end connected to said crank arm, a resilient member on said base, a second flexible



member having one end connected to said resilient member, a second flexible member engaging portion rotatable with said pulley, means to secure the other end of said second flexible member to said second engaging portion, one of said engaging portions including a spiral cam surface, the relation of said cam surface and said crank arm being such that when the crank arm is nearest the second shaft the portion of the cam surface most remote from the cam axis is operatively engaged by its flexible member.

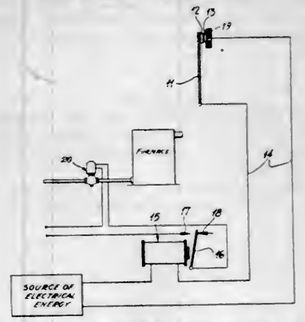
2,274,938

CONTROL CIRCUIT

William A. Ray, Glendale, Calif.

Application August 29, 1938, Serial No. 227,257

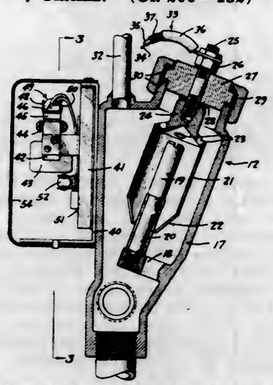
2 Claims. (Cl. 236—78)



1. In a system whereby the degree of a condition is automatically controlled, in response to variations of said degree, in a narrow range: means for changing the degree of said condition; a pair of smooth-faced, rigid, metallic contact members normally in engagement within said narrow range; a circuit, including a source of electrical energy having an E. M. F. of a fraction of a volt, controlled by said contact members; a device, electrically operable between two controlling positions dependent on the degree of energization thereof and biased to one of said positions, for controlling the means for changing the degree of said condition and connected in said circuit; and means, movable in response to changes in said condition, for varying the pressure between the contact members; the constants

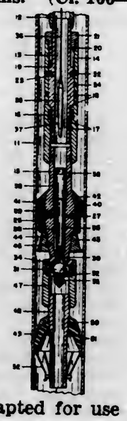
of the components of said circuit having such values, with respect to the variation of the contact resistance of said members due to the variation in pressure between them produced in said narrow range, that when said pressure has a low value the current flow in the circuit is insufficient to operate said device into the other of said positions and only becomes sufficient when the pressure exceeds said low value.

2,274,939
CONTROL DEVICE
William A. Ray, Glendale, Calif.
Application July 27, 1939, Serial No. 286,859
7 Claims. (Cl. 200—152)



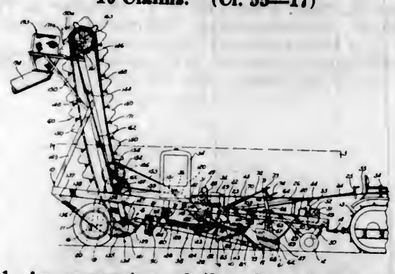
1. In a low water safety device for a boiler, a metallic casing for connection in communication with the water of said boiler adjacent its low level, a first electrode in said casing and in electrical connection therewith, and a second electrode of hollow form spaced from said first electrode and surrounding at least a substantial portion thereof, said second electrode being electrically insulated from said casing and said first electrode.

2,274,940
SQUEEZE CEMENTING OF WELLS
Albert D. Stoddard, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application September 5, 1939, Serial No. 293,371
8 Claims. (Cl. 166—12)



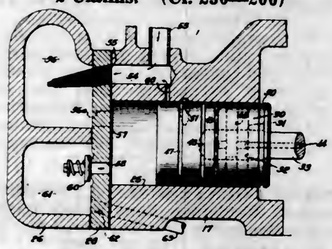
1. Apparatus adapted for use in forcing sealing fluid under pressure into an oil well, including a conduit, a packer mounted on the conduit, slips also mounted on the conduit, and mechanism for operating said slips to cause the same to secure the conduit and packer to casing in the well, said mechanism including wedge means for actuating the slips and means connecting said wedge means to said conduit, said connecting means being adapted to shear upon a predetermined shear stress being exerted thereon and means mounted on the conduit and engaging said wedge means and adapted to draw the wedge means inwardly to entirely disconnect said packer and conduit from the casing when said connecting means is sheared.

2,274,941
IMPLEMENT FOR GATHERING OBJECTS FROM THE SOIL
William H. Teuscher, Claremont, Calif.
Application March 29, 1940, Serial No. 326,697
10 Claims. (Cl. 55—17)



1. An apparatus of the character described for gathering objects from the soil, including in combination: a main frame adapted for movement over terrain; a ramp movably carried by said frame; means adapted to dislodge material from the ground as said main frame moves over terrain and to deposit the dislodged material on the lower end of said ramp; means to cause said ramp to vibrate with both a vertical component and a horizontal component to cause material thereon to progress towards the upper end thereof; an elevator boot positioned to receive material from the upper end of said ramp, said boot extending downwardly from the upper end of the ramp towards ground level and having a flexible bottom wall to yield when moved against protruding obstacles on the ground; and elevator means to convey material from said boot to an upper discharge level.

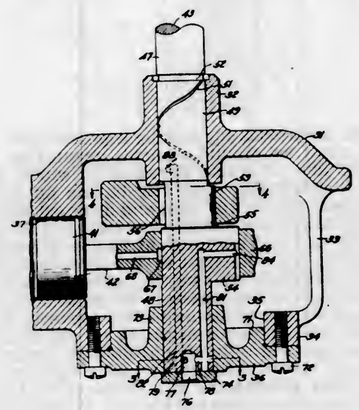
2,274,942
LUBRICATED REFRIGERANT COMPRESSOR
Jens Touborg, Tecumseh, Mich.
Application March 30, 1940, Serial No. 327,063
2 Claims. (Cl. 230—206)



1. In a compressor having a reciprocable piston

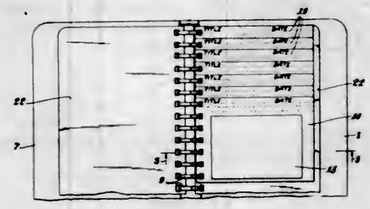
mounted in a cylinder bore having a head end, and inlet and outlet chambers communicating with the cylinder bore, oil supply means for the head end cylinder portions responsive to pressure conditions in the outlet chamber, comprising a port extending into the cylinder bore and connecting the bore with the inlet chamber, said port being so located as to be covered by the piston during all phases of reciprocation thereof, oil grooves in the piston registering with the port during movement of the piston, and means for supplying oil to the grooves, whereby oil supplied to said grooves is periodically transmitted to the port and thence to the head end of the cylinder bore in response to said pressure conditions.

2,274,943
REFRIGERATION COMPRESSOR
Jens Touborg, Tecumseh, Mich.
Application May 2, 1940, Serial No. 332,973
4 Claims. (Cl. 230—206)



1. A hermetic compressor comprising a shell, a vertically mounted motor positioned within the shell, a piston-in-cylinder compressor mounted within the shell and below the motor, upper and lower axially aligned shaft bearings connected to said motor and compressor, one of said bearings being disposed adjacent the motor and the other of said bearings being disposed below the compressor and adjacent the lower portion of the shell, said lower shell portion being adapted to receive an oil body immersing at least a portion of said lower bearing, a main shaft having concentric portions radially mounted in both of said bearings, said shaft having a concentric portion extending above said upper bearing for connection to said motor, an eccentric portion formed on said shaft intermediate said bearings, a connecting rod for said compressor connected to said eccentric portion, a horizontally disposed radial passage formed in said lower concentric shaft portion and having open communication with the wall of said lower bearing at its outer end and with the shaft axis at its inner end, an axial passage in the lower end of the shaft communicating with the radial passage thereby to admit oil to said radial passage for centrifugal pumping, and a vertical passage drilled through said shaft in spaced relation to said axis and parallel thereto, said vertical passage extending from said radial passage through said eccentric portion to said upper bearing portion.

2,274,944
ALBUM FOR PHOTOGRAPHS AND NEGATIVES
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application August 31, 1940, Serial No. 354,931
1 Claim. (Cl. 129—20)

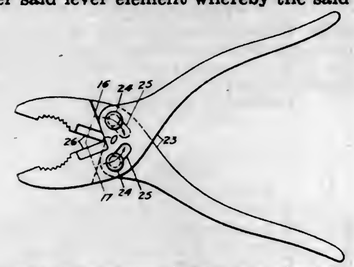


In an album for mounting photographic prints and for retaining associated with the prints the negatives from which the prints were made, an envelope constructed and arranged for the mounting of the prints on both outer faces of the same and for engagement on the rings of a loose leaf binder and for retaining the associated negatives therein when so engaged on the rings of the binder, said envelope being of opaque paper, permeable to a cementing medium which will hold photographic prints directly applied thereto, said envelope being of a size and shape to form both mountings and surrounding backgrounds for prints of the size which are to be applied thereto and thereby being of an envelope size large enough to loosely contain the negatives for such size prints in the space beyond the binder rings on which said envelope is engaged, said envelope having smooth, continuously flat and unbroken face layers substantially the full size of the envelope and forming two continuous flat mounts which will not wrinkle the prints applied over the same, said envelope being open only at the inner edge which is employed for retaining the same in the binder, the opposite face layers terminating on a common line at said open end and said layers having a row of perforations parallel to said edge to fit the rings of the binder and whereby when engaged in the binder, said rings will form a barrier for retaining the negatives within the envelope and cause said negatives to provide internal separation between said face layers to which the prints are adhesively applied and to add thickness and body between said face layers, thus to impart to the latter the general simulation of a rigid cardboard photographic mount.

2,274,945
PLIERS
Henry P. Van Keuren, Watertown, Mass.; Marie S. Van Keuren administratrix of said Henry P. Van Keuren, deceased
Application July 19, 1939, Serial No. 285,346
7 Claims. (Cl. 30—173)

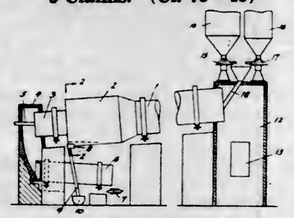
1. Pliers comprising two movably crossed cooperating lever elements embodying opposed jaws on one side of the crossing and actuating handles on the other and dual movable fulcrum means of cooperation between said lever elements said means consisting of two pin members laterally and oppositely disposed at said crossing with respect to a center of motion therein each of said pin members being respectively fixed in a portion of one of said lever elements and being slidably

movable in an adjacent respective portion of the other said lever element whereby the said center



of motion is unobstructed by any pivotal connection between said lever elements.

2,274,946
TREATING METALS
Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey
Application January 27, 1940, Serial No. 315,922
In Great Britain February 4, 1939
3 Claims. (Cl. 75—43)



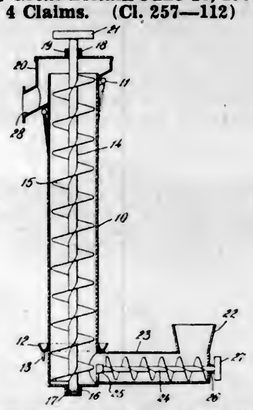
1. The process of simultaneously melting and refining cast iron and forming cement clinker which comprises introducing cement raw materials and substantial amounts of scrap cast iron into a rotary kiln having a flame zone whose length is substantially less than that of the kiln so that the cement raw materials and the cast iron pass through the kiln countercurrent to the products of combustion and are thereby heated until the maximum temperature is reached in or near the flame zone, whereby melting and refining of the cast iron and burning of the cement raw materials takes place, performing the refining of the cast iron in its entirety during passage of the metal through the rotary kiln, discharging the refined metal in the molten state near the flame zone, and separately discharging the cement clinker at the flame zone end of the kiln.

2,274,947
TRACTION DEVICE
William L. Wettlaufer, Buffalo, N. Y.
Application May 23, 1939, Serial No. 275,133
4 Claims. (Cl. 152—244)



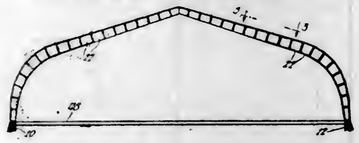
2. An articulated anti-skid device comprising a plurality of relatively flat overlapping members, joints for connecting the members, each joint consisting of a tubular boss formed on one member and the adjoining member containing a hole for receiving the boss, said bosses being flared to prevent disassembly, and segmental terminal upstanding flanges concentrically spaced from the holes in the members for protecting the bosses.

2,274,948
COOLER AND CONVEYER
Nikolai Ahlmann, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey
Application June 8, 1939, Serial No. 278,006
In Great Britain June 18, 1938
4 Claims. (Cl. 257—112)



1. An apparatus for cooling a pulverulent material, such as ground cement, granulated ore, and the like, and also elevating it, which comprises a cylindrical container having an imperforate heat conducting wall and disposed with its axis vertical the container having an inlet near its lower end and an outlet at its top, means for conducting said material to the inlet for introduction therethrough into the container, a member mounted in the container for rotation on the container axis, a generally helical conveyer flight of relatively low pitch mounted on the member and having a plurality of convolutions within the container between the inlet and outlet, means for rotating the member at high speed, said flight operating at said speed to raise the material along a generally helical path on the inner surface of said wall and propel it centrifugally against said surface, the outer edge of said flight being so spaced from said surface as to permit downward slippage of portions of the material along the surface from one convolution of the flight to another, and means for maintaining a cooling medium in contact with the outer surface of said wall.

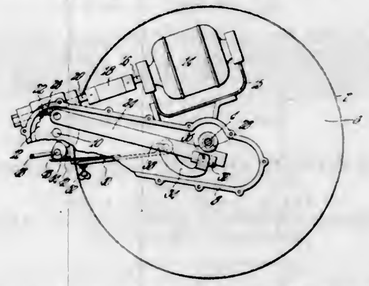
2,274,949
TRUSSLESS ROOF
John F. Blaski, Chicago, Ill.
Application June 28, 1941, Serial No. 400,175
1 Claim. (Cl. 108—1)



A trussless roof comprising in combination a plurality of courses extending from one edge to the opposite edge thereof, each course being arched lengthwise thereof upwardly from its ends toward its center and comprising a curved portion adjacent each of its ends and being formed by a plurality of sheet metal channeled members connected together in end-to-end relation, said

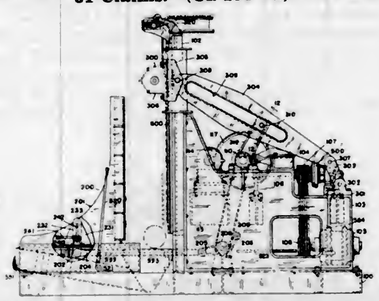
members of each course being connected in side-to-side relation with the members of adjacent courses, each of said courses on each side of the center thereof decreasing in depth from one of the members in a curved portion of the course toward the center and end of the course.

2,274,950
WASHING MACHINE DRIVE
Hiram D. Croft and John Oakley, Springfield, Mass., assignors to Perkins Machine and Gear Company, Springfield, Mass., a corporation of Massachusetts
Application December 7, 1939, Serial No. 307,965
8 Claims. (Cl. 74—78)



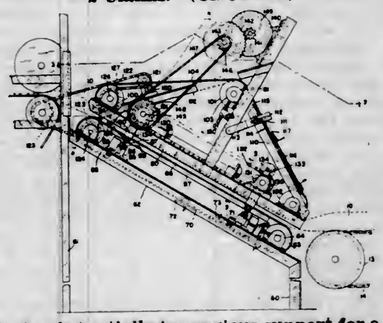
1. Mechanism for oscillating the agitator shaft of a washing machine comprising in combination, a housing, a driven member for said shaft having angularly disposed frictionally engageable faces, a drive member having faces for frictionally engaging the same, means to reciprocate said drive member, a pressure member relative to which said drive member is reciprocable for urging the drive member towards the driven member, an arm pivotally connected to said housing and pivotal connections between said pressure member and arm whereby said pressure member may swing independently of the housing and relative to said arm as said drive member reciprocates.

2,274,951
PANEL MANUFACTURE
Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application June 13, 1938, Serial No. 213,515
31 Claims. (Cl. 154—1)



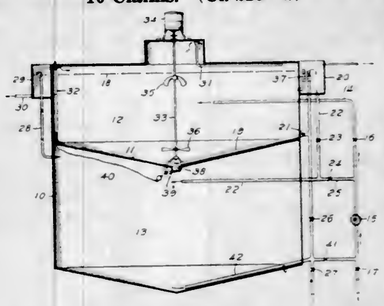
1. In the device described, a die, a cutter roll movable over said die, a sheet feeding means, and a plate support, driving means for actuating said sheet feeding means to feed sheet material over said die, driving means for moving said cutter roll over said die, and driving means for advancing said plate support toward said die, all of said driving means being operated in sequentially timed relation.

2,274,952
POWDER DISTRIBUTING APPARATUS
Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application April 15, 1940, Serial No. 329,769
2 Claims. (Cl. 91—18)



1. A substantially impervious support for a batt of fibrous material, a flexible, substantially impervious cover adapted to rest on fibrous material carried by said support, and means engaging said cover and relatively movable parallel thereto for progressively compressing said fibrous material between said cover and support in a manner to displace entrapped air along said fibrous material.

2,274,953
SLUDGE DIGESTER
Frank A. Downes, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application January 6, 1940, Serial No. 312,640
10 Claims. (Cl. 210—2)



1. A biologic sludge-digestion unit comprising a tank including a top, bottom and side walls and a partition therein dividing th same into an upper primary digestion chamber and a lower secondary digestion chamber, means for feeding sludge into the tank including a feed line provided with a sludge pump and having upper and lower branches of which the upper branch terminates in the upper chamber and the lower branch in the lower chamber and as to which branches each is provided with a valve, a transfer and inspection box located externally with respect to the upper portion of the tank and rising to an elevation higher than that of any of the overflow

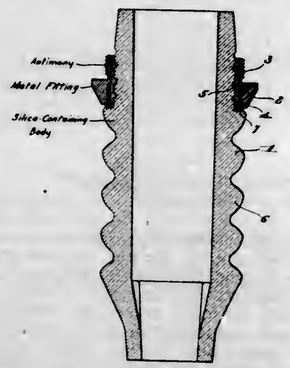
members herein referred to, a valved sludge-transfer pipe section leading upwardly from the lower portion of the upper primary chamber and terminating in a sludge-transfer overflow member within the box, a valved sludge-transfer pipe section leading downwardly from the lower interior portion of said box and having a connection to the lower branch of the feed line on the delivery side of the valve of said lower branch thereof, a valved sediment-discharge pipe leading from the lower chamber, a liquid sealed supernatant liquid outflow pipe leading from the sludge-holding section of the upper primary chamber and terminating in an auxiliary overflow member at an elevation normally higher than that of the sludge-transfer overflow member but lower than that of the upper interior portion of the tank; gas conducting means leading from the upper portion of both chambers and essentially providing a section leading to the exterior of the tank, a supernatant outflow pipe leading from the upper portion of the lower chamber and terminating in a third overflow member having an elevation substantially higher than that of the partition whereby one of said overflow members determines the normal level of the liquid in the tank and whereby normally approximately equal opposing static pressures are imposed upon opposite sides of the partition within the tank, an emergency transfer means providing a communicating passageway between the interior portion of the upper chamber and the interior portion of the lower chamber and including a relief valve element normally closing said passageway but displaceable from said normal passageway-closing position for avoiding destructive effects on the partition should abnormal differental pressure conditions come into existence on opposite sides of the partition.

2,274,954

HIGH TENSION ELECTRIC INSULATOR AND METHOD OF ATTACHING A METAL FITTING THERETO

Laurence J. Dykstra and Edwin M. Meyer, Rochester, N. Y., assignors to Victor Insulators, Inc., Victor, N. Y., a corporation of New York

Application September 17, 1940, Serial No. 357,162
16 Claims. (Cl. 174—158)



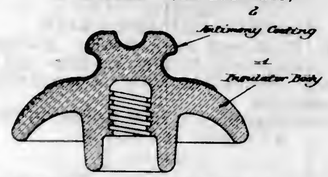
1. In a high tension electric insulator, the combination with a silica-containing body, of a metal fitting, and an integral molecular bond of antimony uniting the metal fitting and the silica-containing body.

2,274,955

HIGH TENSION ELECTRIC INSULATOR AND METHOD OF COATING SAME

Laurence J. Dykstra and Edwin M. Meyer, Rochester, N. Y., assignors to Victor Insulators, Inc., Victor, N. Y., a corporation of New York

Application September 17, 1940, Serial No. 357,163
12 Claims. (Cl. 174—140)



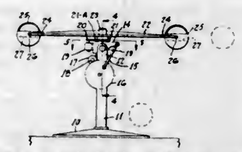
1. A high tension electric insulator comprising a silica-containing body and a coating of antimony having an integral molecular union with the insulator body.

2,274,956

OPERATING MECHANISM FOR AMUSEMENT DEVICES

Lee U. Eyerly, Salem, Oreg.

Application August 15, 1938, Serial No. 224,906
3 Claims. (Cl. 272—51)



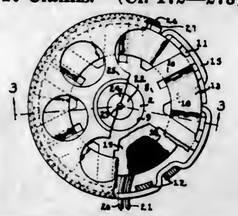
1. An amusement device of the class described having in combination an upright standard, a base tiltably mounted on said standard, a spindle projecting from said base, an arm journaled on said spindle between its ends, means for revolving said arm on said spindle, means for continuously tilting said base in a single vertical plane and a car at each end of said arm adapted to carry passengers.

2,274,957

SYNCHRONOUS MOTOR

William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana

Application April 22, 1940, Serial No. 330,936
10 Claims. (Cl. 172—278)



1. In a synchronous motor, a magnetic core, a magnetic field member mounted on one end of said core and having outer pole pieces disposed axially in a substantially cylindrical path, a second magnetic field member mounted on the other end of said core and having inner pole pieces disposed radially, a metal member integrally connecting the adjacent ends of said inner and outer pole pieces, and a rotor rotatably mounted adjacent said metal member.

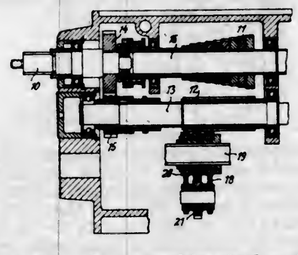
9. In a synchronous motor, a magnetic core, a magnetic field member secured to one end of the core and having portions which extend first radially and then axially of the core, a magnetic disc secured to the other end of the core, said portions which extend axially of the core being secured to said disc, the cross section of the field member at positions where it changes from the radial to the axial direction being of smaller area than the cross section of the remaining portion of the field member, a coil surrounding said core, and a shading ring of ribbon-like form intertwining the axially extending field member portions.

2,274,958

MACHINE DRIVE AND CONTROL THEREFOR

Hans Hautsch, Meuselwitz/Thur, Germany

Application May 15, 1940, Serial No. 335,337
In Germany May 17, 1939
3 Claims. (Cl. 74—348)



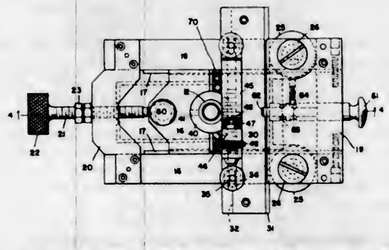
1. In a drive for a machine tool or the like, a tumbler shaft and a tumbler gear frame splined thereon, control means for the tumbler gear comprising a lever and a knob respectively mounted upon outer and inner concentric shafts, a shifter element engaging said tumbler gear frame for effecting translation of the latter axially upon said tumbler shaft, said shifter element comprising a rack geared to the outer of said concentric shafts, and the inner of said concentric shafts being geared to said tumbler shaft for effecting rotative motion thereof, whereby turning of the knob will effect rotative translation of the tumbler gear frame and turning of the lever will effect translation thereof axially of the tumbler shaft.

2,274,959

WHEEL DRESSING FIXTURE

Gust E. Headbloom and Paul T. Peterson, Detroit, Mich., assignors to Apex Broach Company, Detroit, Mich., a corporation of Michigan

Application June 13, 1939, Serial No. 278,929
2 Claims. (Cl. 125—11)



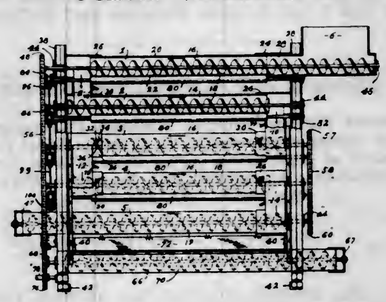
1. A wheel dressing fixture consisting of a base provided with an upwardly projecting pin, a frame assembly resting on said base and rotatable about said pin, a pair of rollers with vertical axes carried by the forward end of said assembly and equidistant from said pin, a laterally movable carriage mounted upon said assembly between said rollers and said pin, a cylindrical disc fixed upon said pin, means for clamping said carriage between said rollers and the cylindrical edge of said disc, and a dressing tool fixed upon said carriage.

2,274,960

AUTOMATIC SIZING APPARATUS

Charles W. Herrin, Kansas City, Mo.

Application January 18, 1940, Serial No. 314,443
6 Claims. (Cl. 209—99)



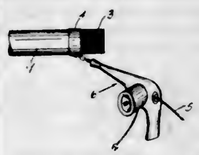
1. Apparatus of the character described comprising a multiple of conveyers spaced one below another and all but the lowermost one having a longitudinal slot in its bottom portion for separating fine particles of material from coarser particles, augers forming parts of the respective conveyers for spreading the material along the slots, alternately arranged down-spouts each connecting the discharge end of one conveyer with the inlet end of the next conveyer, supporting means for said augers and the down-spouts, means for driving the augers, an agitator associated with each slot and journaled in the supporting means, and means for operating the agitators.

2,274,961

PROCESS OF PRODUCING WHEEL AND AXLE ASSEMBLIES

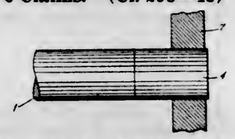
Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 14, 1938, Serial No. 234,871
7 Claims. (Cl. 29—165)



1. The process which consists in spraying molten metal onto the wheel seat portion of a steel axle to form a thin metal coat thereon and press fitting a wheel onto the metal coated wheel seat, whereby the fatigue strength of said coated axle is increased materially above the fatigue strength of an uncoated axle of the same wheel seat diameter.

2,274,962
WHEEL AND AXLE ASSEMBLY
Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Original application October 14, 1938, Serial No. 234,871. Divided and this application May 1, 1941, Serial No. 391,241
6 Claims. (Cl. 295—43)



1. The combination of a steel axle having a wheel seat portion with a thin metallized coating and a wheel press fitted on said portion.

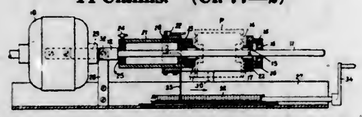
2,274,963
PROCESS FOR PLATING TIN AND TIN ALLOYS
Edward William Hopper, Midland, Pa., assignor, by mesne assignments, to Crucible Steel Company of America, a corporation of New Jersey
Application August 10, 1938, Serial No. 224,058
9 Claims. (Cl. 204—36)



1. The method of producing smooth, bright adherent coatings of tin and alloys predominantly of tin, on iron and steel strip, which comprises: electrolytically depositing a thin coating of the coating material on said strip from an alkaline plating bath, superimposing thereon a thicker coating of said material electrolytically deposited from an acid plating bath, immersing the so-coated strip in a hot bath of fatty acid containing, non-oxidizing oil to fuse and brighten said coating, and thereafter immersing said strip in a bath of cool non-oxidizing oil to harden said coating in said brightened condition.

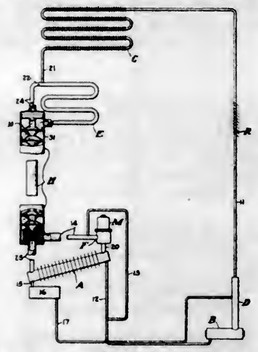
8. As a new article of manufacture, a ferrous base metal having a smooth and adherent surface coating of metal selected from the group consisting of tin and alloys predominantly of tin, electroplated from an alkaline plating bath directly onto said ferrous base metal, and an overcoating of metal selected from said group electroplated from an acid plating bath directly onto the coating plated from said alkaline plating bath.

2,274,964
APPARATUS AND METHOD FOR RESURFACING BEARINGS
Russell F. James, New Orleans, La.
Application December 15, 1936, Serial No. 115,918
14 Claims. (Cl. 77—2)



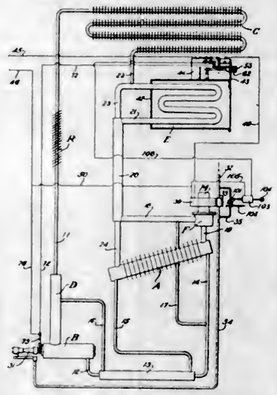
1. Apparatus for resurfacing bearings comprising a work holder having a conically surfaced projection for engaging the edge of a bearing to be resurfaced and a central opening in said projection, a fly cutter spindle coaxial with said conical surface extending through said opening, the opening being large enough to clear the cutter, and means permitting relative axial movement between the work holder and the spindle to bring the cutter through said opening into working engagement with the bearing to be resurfaced.

2,274,965
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 18, 1938, Serial No. 196,663
12 Claims. (Cl. 62—119.5)



1. Absorption refrigeration apparatus comprising a pressure equalizing medium circuit including an evaporator and an absorber, a solution circuit including a boiler and said absorber, power driven means for circulating a pressure equalizing medium through said circuit, a gas heat exchanger in said pressure equalizing medium circuit, characterized by the fact that said gas heat exchanger includes another sealed casing member, a plurality of slidably connected elements forming a heat transfer and gas separating wall within said casing member, and means for resiliently urging said slidably connected elements together.

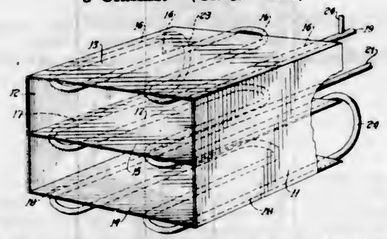
2,274,966
REFRIGERATION
Charles H. MacFarland, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 13, 1938, Serial No. 184,746
28 Claims. (Cl. 62—5)



1. Absorption refrigerating apparatus comprising a pressure equalizing medium circuit

including an evaporator and an absorber, a solution circuit including a boiler and said absorber, means for supplying refrigerant vapor generated in said boiler to said evaporator in liquid form, a gas burner for heating said boiler, an electric motor driven circulator in one of said circuits, a valve controlling the supply of fuel to said burner, said valve being arranged to be controlled by said motor, means responsive to evaporator temperature conditions for controlling the energization of said motor, manually set means for de-energizing said motor, and means responsive to a defrosted condition of said evaporator for rendering said manually set means inoperative.

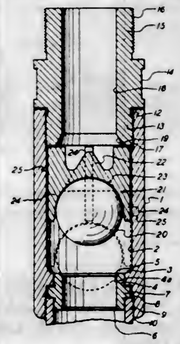
2,274,967
EVAPORATOR FOR REFRIGERATING SYSTEMS
Rudolph S. Nelson, Larchmont, N. Y., and Arnold D. Siedle, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 8, 1936, Serial No. 94,941
Renewed May 29, 1940
3 Claims. (Cl. 62—126)



1. An evaporator adapted for use in an absorption refrigerating system using inert gas, said evaporator comprising a continuous, jointless conduit for conducting inert gas and a refrigerant and bent to provide sets of interconnected parallel portions in spaced parallel horizontal planes, a sheet metal box associated with said conduit and having horizontal ice tray supporting shelves, one above and in heat exchange relation with each set of said horizontal portions, the arrangement being such that said horizontal conduit portions underlie said shelves, means for conducting inert gas to said conduit and means for conducting liquid refrigerant thereto.

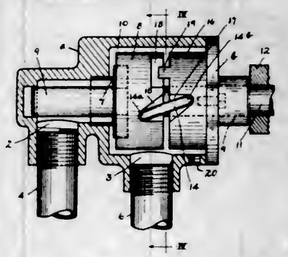
2,274,968
BLIND CAGE VALVE
Walter A. O'Bannon, Tulsa, Okla., assignor to Walter O'Bannon Company, Tulsa, Okla., a corporation of Oklahoma
Application July 21, 1941, Serial No. 403,307
4 Claims. (Cl. 251—121)

1. A blind cage valve comprising, a tubular outer casing having a relatively smooth internal bore, an annular valve seat positioned in the lower end of said bore and having an axial fluid passageway therethrough, a valve member cooperating with said seat for opening and closing said passageway, a guide member seated on said valve member and slidable in said bore with the longitudinal movements therein of said valve member, said guide member comprising a solid upwardly tapering conical body having a recess in its base portion to receive the upper portion of said valve member, a plurality of wing members integral with the periphery of said base portion and extending radially therefrom into sliding contact with the wall of said bore, said wing members having end portions extending longitudinally of said casing above and below



said body, the upper and lower ends of said casing having connecting means for connecting the casing into a pumping string.

2,274,969
VALVE
William L. Ostendorf, Rayland, Ohio
Application May 27, 1940, Serial No. 337,378
2 Claims. (Cl. 137—104)



2. In a ball-cock consisting in a body having an inlet for fluid, an outlet, a valve-seat arranged between said inlet and outlet, and a valve movable on its axis to and from a position of flow-interrupting engagement with said seat; the improvement herein described that comprises a portion relatively to which said valve is rotatable on its axis, two links pivotally engaging said valve at points spaced laterally from and on opposite sides of the valve axis, said links extending from the points of pivotal engagement with the valve and pivotally engaging said portion relatively to which the valve is rotatable, said links being adapted, upon such relative rotary movement of said valve, to move angularly between a position in which said valve is held, against the pressure of fluid admitted through said inlet, in flow-blanking engagement with said seat, and a position in which the valve stands removed from such engagement, and means including a float-arm for securing said link in its first-mentioned position.

2,274,970
DIGGER CHAIN BLADE AND SOIL ELEVATOR
William R. Tiffany, Stockton, Calif.
Application January 15, 1941, Serial No. 374,529
4 Claims. (Cl. 37—191)

1. A digger unit for use on an endless digger chain comprising side walls adapted to be secured on and depend from a link of the chain, a bottom plate forming a blade connecting the side

walls and extending rearwardly from the forward edge thereof, and a transverse dirt engaging

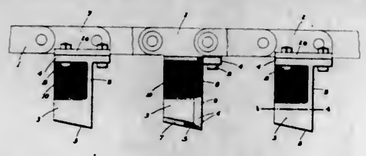
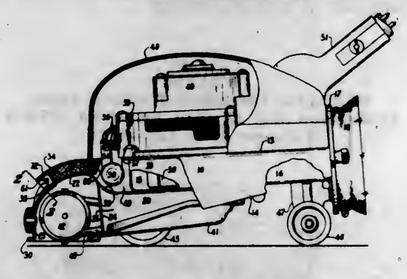


plate rigid with the side walls and extending upwardly from a lower termination above the blade.

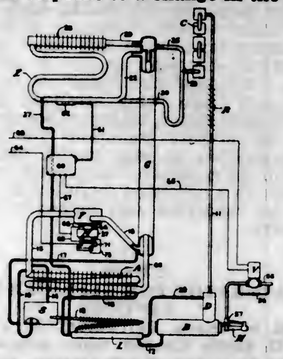
2,274,971
SUCTION CLEANER
Harry B. White, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 24, 1939, Serial No. 269,624
1 Claim. (Cl. 240—2)



A suction cleaner comprising a motor housing and a main casing formed from cooperating casing sections defining a double-walled nozzle adapted to engage the surface to be cleaned, an electric lamp positioned rearwardly of the front of said nozzle and below the top thereof, the walls of said double-walled nozzle being spaced apart to define an open-ended passageway opening into said motor and extending from said lamp in said housing to a point adjacent the forward end of said nozzle, and a solid light-transmitting element of substantially the size of said passageway supported therein and having one end exposed to the light produced by said lamp and its other end extending between said spaced apart walls of said nozzle to illuminate the surface in front of said nozzle.

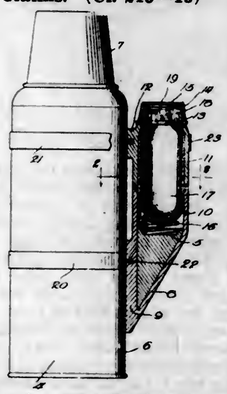
2,274,972
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio
Application February 5, 1940, Serial No. 317,378
13 Claims. (Cl. 62—5)

1. Absorption refrigerating apparatus including a boiler, an absorber, a liquefier and an evaporator connected in circuit, means for heating said boiler, a motor driven fluid circulator including a motor rotor sealed in said apparatus and at least partially immersed in a lubricant which has a viscosity sufficiently high at atmospheric temperatures to prevent operation of said rotor, means for heating said lubricant sufficiently to lower the viscosity thereof to a value such that operation of said rotor is not prevented thereby, refrigeration demand responsive means for energizing said boiler and lubricant heating means, and means for energizing said motor and for rendering said lubricant heating means inoperative in response to a change in the thermal



condition of a portion of the apparatus induced as a consequence of energization of said heaters.

2,274,973
CONTAINER COMBINATION
Ferrell E. Bryant, Barberton, Ohio
Application July 13, 1940, Serial No. 345,410
7 Claims. (Cl. 215—13)

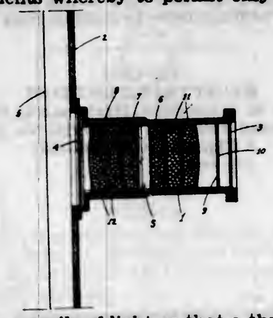


7. Means for temporarily keeping two conjointly usable liquids at different temperatures comprising in combination an insulated container for one of the liquids, a hollow member, a plurality of straps held by said member in clamping engagement with the container and an insulated vessel for the other liquid contained within the said hollow member.

2,274,974
LENS SYSTEM
Earl I. Buckley, Sacramento, Calif.
Application August 9, 1940, Serial No. 351,994
5 Claims. (Cl. 88—57)

1. An objective lens system including in a barrel in focused relation, an aperture plate mounted in the barrel adjacent its object end, two symmetrically arranged components mounted in the barrel inwardly of said aperture plate, each component comprising a plurality of plano-convex lens elements disposed in axial alinement and substantially in contact at their vertex points; the flat faces of corresponding lens elements of said components facing toward each other and the diameter of the aperture in said

plate being small relative to the diameter of the said elements whereby to permit only the entry



of narrow pencils of light so that a three-dimensional result is obtained in the focal plane image.

2,274,975
NUT
James P. Burke, Struthers, Ohio, assignor to F. L. McLaughlin, Detroit, Mich.
Application October 23, 1941, Serial No. 416,157
11 Claims. (Cl. 85—36)



1. A nut blank comprising a rectangular strip of sheet metal slit along spaced parallel lines, said strip having an oblong cut-out between said lines with the longer dimension in the direction of said lines.

2,274,976
NUT
James P. Burke, Struthers, Ohio, assignor to F. L. McLaughlin, Detroit, Mich.
Application November 10, 1941, Serial No. 418,446
13 Claims. (Cl. 85—36)



1. The method of making a nut from a piece of sheet metal which consists in blanking out an elongated opening therefrom and in folding said piece on parallel spaced lines across said opening into a Z-shape, said fold and said elongated opening being so proportioned that a projected view of the hole through the finished nut is substantially round.

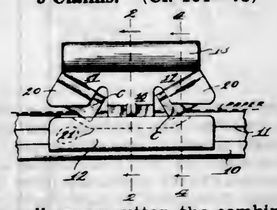
2,274,977
ROLL PAPER CUTTER
Neil B. Currier, Los Angeles, Calif., assignor of one-half to Lynn H. McClintock and one-half to Florence L. McClintock, both of Los Angeles, Calif.
Application August 2, 1940, Serial No. 349,913
4 Claims. (Cl. 242—55.4)

1. In a roll paper cutter, a frame including a horizontally disposed front rail and a horizontally disposed rear rail, means adjustably mounted on said rails for supporting rolls of paper of different widths which adjustable roll supporting means includes pairs of arcuate members having their ends mounted on said front and rear rails and a segmental wall carried by each arcuate member, a cutter bar mounted on the frame



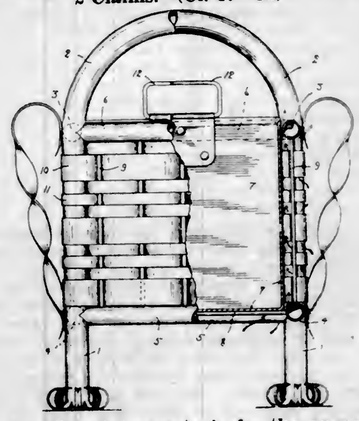
in front of and substantially parallel with the front rail and a blade-carrying member mounted for sliding movement on said cutter bar.

2,274,978
ROLL PAPER CUTTER
Neil B. Currier, Los Angeles, Calif., assignor of one-half to Lynn H. McClintock and one-half to Florence L. McClintock, both of Los Angeles, Calif.
Original application August 2, 1940, Serial No. 349,913. Divided and this application February 26, 1941, Serial No. 380,638
5 Claims. (Cl. 164—73)



1. In a roll paper cutter, the combination with a tubular cutter bar provided with a longitudinally disposed slot, a block mounted for sliding movement on said cutter bar and having a portion that projects through the slot therein, a plate projecting upwardly from the center of said block, inclined cutters carried by the ends of said plate and positioned above the end portions of said block, a handle on the upper portion of said plate and those portions of said plate between the inner ends of said cutter being substantially wedge-shape in cross section.

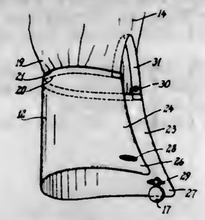
2,274,979
RECEPTACLE
Edward B. Frenette, Duluth, Minn.
Application June 7, 1941, Serial No. 397,068
2 Claims. (Cl. 47—34)



1. An all-metal receptacle for the purpose set

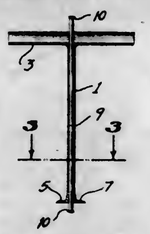
forth, comprising a frame structure including spaced U-shaped tubular end members forming the leg portions thereof, vertically spaced horizontally disposed tubular members attached at their ends to said end members for securing the same in spaced relation in both directions, vertically disposed rods extending in spaced relation between the horizontally disposed members, sheet metal strips woven about said rods, and a receptacle supported within said frame structure and spaced from the walls thereof.

2,274,980
ADJUSTABLE CUFF FOR GARMENTS
Irving Geist, New York, N. Y.
Application March 8, 1941, Serial No. 382,357
4 Claims. (Cl. 2—270)



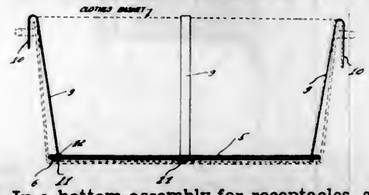
1. In combination, a sleeve and a cuff, said cuff having two free side portions, said cuff being secured to said sleeve at one end thereof, both of the two free edges of said cuff having a tapered contour downward and outwardly from the point of securement of said cuff to said sleeve, said cuff having a free edge terminating at said two free end portions, a buttonhole in each of the two corner areas where the tapered sides meet the end of the cuff, said cuff being adjustable to different lengths by folding over upon itself, said sleeve being of relatively large diameter at the point of securement of the sleeve to the cuff, the line embracing the free edge of the cuff and the lower sleeve portion comprising an arcuate contour.

2,274,981
TOOL
Robert C. Grubb, San Francisco, Calif.
Application December 11, 1939, Serial No. 308,532
5 Claims. (Cl. 29—87.1)



1. A tool for removing the hooked end of a tensioned spring from an aperture consisting of a rod having an end enterable in said aperture, a cylindrical stem rotatable and slidable on said rod and shorter than the extent of said rod, a hand grip on the outer end of said stem, the other end of said stem having a portion extending outwardly therefrom, said portion having a notch on the outer edge thereof for engaging the hook of said spring, whereby said stem may be rotated on said rod to clear the hook on said spring from the edge of said aperture, the stem slid on said rod to withdraw the hook from said aperture, and the tool as a whole inclined with respect to said aperture to collapse said spring.

2,274,982
RECEPTACLE BOTTOM
Elsie M. Hammond, Hackensack, N. J.
Application July 30, 1940, Serial No. 348,519
2 Claims. (Cl. 220—66)



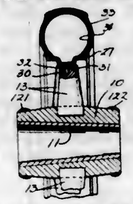
1. In a bottom assembly for receptacles, a bottom-forming member having slots therein slightly inwardly from the marginal edge thereof, and suspension hooks for said bottom-forming member; each of said suspension hooks embodying a body substantially T-shaped in plan and formed from a single sheet of flexible material cut, shaped and dimensioned to provide a narrow elongated strap forming the shank of the T and a laterally extending head at one end of the shank, with the material of the head rolled upon itself to provide a substantially cylindrical, reinforced head; and the shank portion of said suspension hook being threaded through a selected slot in said bottom-forming member from one side of said member to engage said head with said one side of said bottom-forming member, and the free end of said shank being bent upon itself to provide a hook for engaging over the edge of the wall of the receptacle with which said bottom assembly is associated.

2,274,983
METHOD OF TREATING PROTEIN
Russell Herman Hieronymus, Cincinnati, Ohio, assignor to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application April 6, 1939, Serial No. 266,437
2 Claims. (Cl. 260—112)

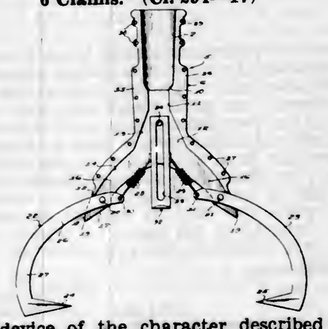
2. A method of preparing soy bean protein to improve the same for use in adhesive coatings, which comprises the steps of subjecting soy bean meal for a period of form about one-half to several hours to the action of caustic soda in amount not less than about 7% by weight of the weight of the meal, controlling the alkaline concentration, temperature and duration of reaction within the aforementioned limits so as to form a colloidal suspension and to swell and partially hydrolyze the colloidal particles, adding hydrogen peroxide to the alkaline solution continuing the reaction for a period not less than about 15 minutes and sufficiently long to alter the protein in such manner that the viscosity imparted thereby to a mild alkaline adhesive dispersion is materially reduced, and thereafter precipitating the protein.

2,274,984
METHOD OF MODERNIZING WOOD WAGON WHEELS
Samuel A. Huebner, Forest Junction, Wis.
Application July 11, 1940, Serial No. 344,875
3 Claims. (Cl. 157—1)

1. The method of modernizing a wood wagon wheel including the steps of shortening the spokes by cutting them at an accurately determined distance from the axis of the wheel, supporting the shortened spokes and hub in position to receive pressure, pressing onto the ends of the spokes a modern steel rim for the reception of an inflatable rubber tire.

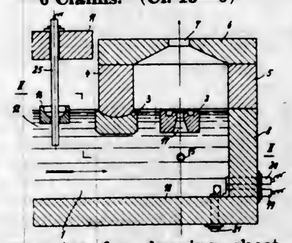


2,274,985
LUMBER HOOK OR THE LIKE
Kenneth C. Jenne and George F. Manion, Lake Worth, Fla.
Application August 19, 1940, Serial No. 353,284
6 Claims. (Cl. 294—17)



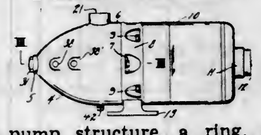
5. A device of the character described comprising a handle equipped head, a pair of hooks pivoted to laterally spaced parts of said head, each of said hooks comprising a laterally inwardly directed lever above the pivotal point and a laterally inwardly directed impaling point spaced below the pivotal point, an operating member movably mounted on said head between said hooks, and spring means operatively connecting said levers and said operating means.

2,274,986
DRAWING SHEET GLASS
Georg Kilian, Weiden/Opf, and Robert Strohschneider, Nuremberg, Germany, assignors to Deutsche Tafelglas Aktiengesellschaft (Detag), Fürth i. B., Germany
Application June 9, 1939, Serial No. 278,360
In Germany June 13, 1938
6 Claims. (Cl. 13—6)



1. In apparatus for drawing sheet glass, a hearth having molten glass therein for being drawn as a strip upwardly from the surface of the glass with edges of the glass strip root spaced from opposite walls of the hearth, electrodes extending through the walls of the hearth for heating the glass within the hearth by direct electrical resistance, an end of one of said electrodes terminating substantially vertically below one edge of the glass strip root, an end of another of said electrodes terminating substantially vertically below the other edge of the glass strip root, and means for supplying alternating current to said electrodes.

2,274,987
SELF-INJECTOR ROTARY PUMP
Kenneth R. Lung, Kendallville, Ind., assignor to Flint & Walling Manufacturing Co., Inc., Kendallville, Ind., a corporation of Indiana
Application January 27, 1941, Serial No. 376,015
1 Claim. (Cl. 103—87)



For a pump structure, a ring, an electric motor flush with and mounted axially of and extending one way from the ring, a rotary pump also flush with and mounted on the ring and extending oppositely from and coaxial with the motor, whereby the motor and pump are aligned units on opposite sides of the ring, said ring, motor and pump being of the same diameter at the respective points of juncture therebetween, whereby said ring, motor and pump assemble to make a substantially smooth wall cylindrical portion.

2,274,988
PROCESS OF TREATING CATALYSTS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 29, 1938, Serial No. 205,109
22 Claims. (Cl. 260—683)

18. A process of treating a contact catalyst capable of promoting a catalytic reaction at an operating temperature substantially below 800° C. and which displays an induction period at the beginning of a period of use for promoting said catalytic reaction, said catalyst being otherwise ready for use in said catalytic reaction, which comprises heating said catalyst prior to such a period of use in an atmosphere inert thereto, to a temperature sufficiently above said operating temperature to produce a state of dynamization therein but below the temperature at which excessive deterioration thereof occurs, and bringing the thus heated catalyst to said operating temperature under such conditions of atmosphere and rate of cooling that said state of dynamization is substantially maintained.

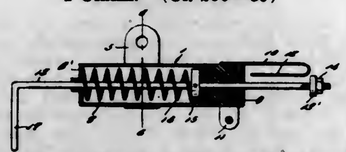
22. In a process for eliminating the induction period exhibited by a contact catalyst comprising black unglowed chromium oxide, in which process said catalyst is heated to an elevated temperature at least 50° C. above a subsequent conversion temperature, said catalyst previous to the heating being otherwise ready for use in a conversion, the step which comprises cooling said heated catalyst from said elevated temperature to said subsequent conversion temperature in an atmosphere inert to said catalyst and establish-

ing said catalyst in use in said catalytic conversion, said cooling and said establishing being effected within a relatively short period of time shorter than that after which said catalyst would otherwise exhibit a substantial induction period.

2,274,989
PROPAGATION OF TREES FROM CUTTINGS
Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York
No Drawing. Original application May 21, 1936, Serial No. 81,075. Divided and this application July 29, 1939, Serial No. 287,411
14 Claims. (Cl. 47—58)

2. In a method of propagating poplars from cuttings, the improvement which comprises immersing the cuttings in an aqueous medium containing a salt of phenylstearic acid, and planting the treated cuttings.

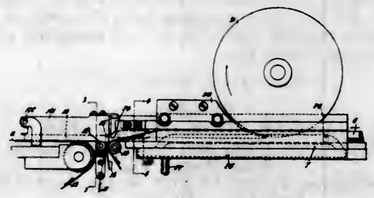
2,274,990
HAND BRAKE SIGNAL
Willy H. R. Mildebrath, Jacksonville, Fla.
Application May 22, 1941, Serial No. 394,728
1 Claim. (Cl. 200—59)



In a signal device of the class described, a switch comprising a cylindrical casing of conducting material, having one end closed and the other end open, a plug of insulating material closing said open end of the casing and protruding therefrom, a resilient arm of conducting material, a clamp formed on one end of the arm and encircling the protruding portion of the plug, said arm having its free end portion bent upon itself and providing a resilent contact, a slidable rod extending longitudinally through the casing, the closed end thereof and through the plug with a portion of the rod projecting from the plug, the end of said portion being threaded, a contact member on said threaded end for engaging the first-mentioned contact, a nut on the threaded end of the rod for holding the contact member in place, a spring encircling the rod and located in the casing and having one end bearing against the closed end of the casing, a collar on the rod engaged by the other end of the spring with the collar normally forced by the spring against the inner end of the plug and means for connecting the opposite end of the rod to the hand brake of a vehicle, whereby when the brake is moved to applied position the contact on the rod will engage the resilient contact.

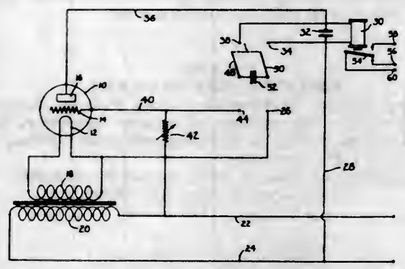
2,274,991
MACHINE FOR FORMING CONTINUOUS TOBACCO RODS OR FILLERS
Desmond Walter Molins, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application May 3, 1940, Serial No. 333,221
In Great Britain May 10, 1939
10 Claims. (Cl. 131—84)

1. Apparatus for forming a continuous tobacco filler, comprising a confining passage in which a stream of tobacco is compacted to the cross-section of the passage, means wholly external to the passage to feed a stream of tobacco into the passage and arranged substantially wholly to confine and to compress the stream of tobacco to a cross-section smaller than that of the passage, said means retaining said tobacco so compressed substantially up to the point where the tobacco enters the confining passage and means to move the tobacco away from the outlet of the confining passage at a linear speed less than that at which it is fed into the passage, the length of said passage being such as to extend on each side of the point of compacting of the tobacco, said



passage comprising stationary top and side walls, the apparatus being so constructed and arranged that at least one of the said walls of the confining passage can yield under excessive pressure built up by the tobacco when an obstruction occurs, and guide elements located on that side of the passage from which the tobacco enters the passage to control the tobacco entering the passage against lateral spreading to an extent such as to enable the entering tobacco to create sufficient pressure in the passage if a jam occurs to move said yieldable wall and allow the tobacco to escape.

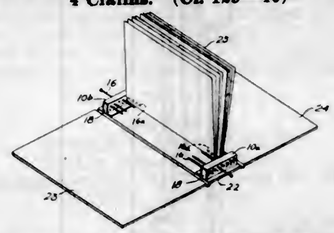
2,274,992
ELECTRICAL TIMING CIRCUIT
Marvin G. Nelsen, Chicago, Ill., assignor to Guardian Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1940, Serial No. 320,982
10 Claims. (Cl. 250—27)



2. In a time control circuit, an electron tube having a cathode, anode and grid, a resistance connected between said grid and said cathode, a source of potential, impedance means including a current actuated device, said cathode, anode and impedance means being connected in series with said source of potential, a condenser shunted across at least a portion of said impedance means, a second condenser, and means operable

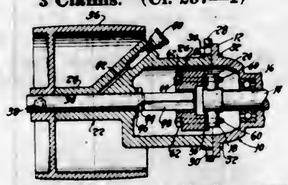
to charge said second condenser by shunting it across said portion of said impedance means and further operable to discharge said second condenser by shunting it across said resistance.

2,274,993
RETAINING AND BINDING APPARATUS
Herbert B. Pearl, Sunnyside, N. Y.
Application March 22, 1940, Serial No. 325,316
4 Claims. (Cl. 129—40)
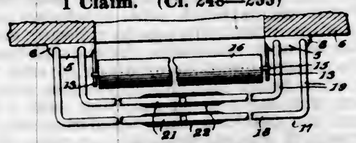


4. In a binder for publications, in combination, a substantially rigid back-bone, a rigid transverse casing secured on the inner side of said back-bone adjacent one end thereof, a plurality of rigid pins slidably supported in said casing and adapted to independently enter the adjacent ends of the back-folds of said publications, a body of resilient material inside said casing and frictionally embracing said pins, means on the inner ends of said pins to prevent withdrawal of said ends through said casing, and means at the other end of said back-bone to hold the other ends of said back-folds.

2,274,994
POWER TAKE-OFF
Ray F. Smith, Des Moines, Iowa, assignor to Ideal Manufacturing Co., Des Moines, Iowa, a corporation of Iowa
Application August 28, 1939, Serial No. 292,302
3 Claims. (Cl. 287—1)



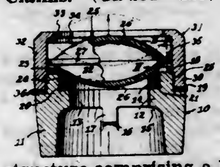
1. In means for operatively connecting a squared shaft with a power plant shaft having radially extending yoke pins, a coupling block, a square hole in said block adapted for slip fit on said squared shaft, and U-bolts extending through said block for engagement with said yoke pins.

2,274,995
BRACKET
Oscar W. Snyder, Pittsburgh, Pa.
Application June 22, 1940, Serial No. 341,942
1 Claim. (Cl. 248—255)



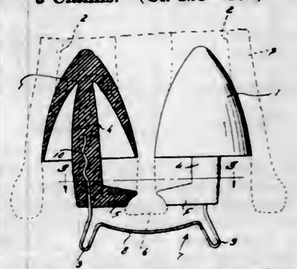
A device of the character described, comprising, a one-piece bracket having a base adapted to be secured to a window frame and fashioned on one end with a right angularly disposed shade roller supporting section, said base formed with upper and lower flanges overlying and underlying said section respectively and provided with pairs of aligned openings for receiving end sections of curtain and drapery rods respectively, said section fashioned with a pair of oppositely and substantially vertically disposed elongated spaced slots adapted to selectively receive a shade roller trunnion and thus enable the side ends of the bracket to be reversed with respect to each other.

2,274,996
VALVE
Frank R. Spinney, Oklahoma City, Okla., assignor to Duplex Spherical Valve Co. Inc., a corporation of Oklahoma
Application July 31, 1940, Serial No. 348,868
4 Claims. (Cl. 251—129)



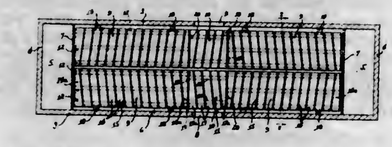
4. A valve structure comprising a hollow main body, a valve seat, a cage demountably secured to said body and a valve adapted to be moved off said valve seat, said valve comprising a pair of similar segments of a hollow sphere, said segments being oppositely disposed and connected to each other and a flange extending outwardly from said segments along the line of juncture, the diameter of the outer surface of said flange being less than the greatest internal diameter of said cage, said cage including an annular stop means for said valve, said stop means being at the upper part of said cage and having an internal diameter less than the external diameter of said flange, said valve at one extreme position adapted to have a portion thereof extend through said annular stop means while said flange bears against said stop, and at the other extreme position only the curvilinear portion of said valve being in contact with said valve seat and the lower face of said flange being spaced from said body.

2,274,997
NOSE PLUG
George C. Thurman, Peru, Nebr.
Application January 24, 1941, Serial No. 375,863
3 Claims. (Cl. 128—132)



1. A nose appliance of the character described comprising a pair of conoidal shell plugs engageable in the nostrils, stems integral with the plugs and depending therefrom, means on the stems engageable with the vomer portions of the nostrils for releasably securing the plugs in position therein, and means for connecting the plugs.

2,274,998
FLOOR RACK FOR REFRIGERATOR CARS
Deane C. Webster, Berkeley, Calif.
Application August 8, 1941, Serial No. 405,968
8 Claims. (Cl. 105—375)

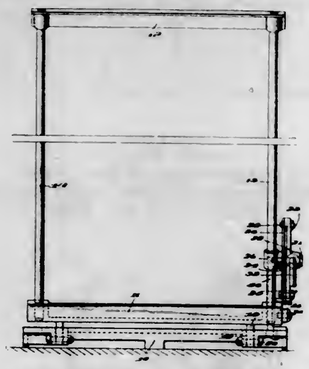


1. A floor rack for refrigerator cars comprising spaced longitudinal stringers supported by the floor of the car, and spaced slats supported by and secured to said stringers, said slats being positioned with their side edges horizontally inclined relative to the transverse direction of the car.

2,274,999
GLASS-TO-METAL SEAL
Victor O. Allen, Madison, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application April 8, 1940, Serial No. 328,595
5 Claims. (Cl. 75—126)

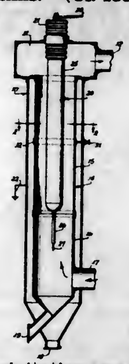
1. As a new material for glass-to-metal seals an alloy containing 26 to 28% chromium and between about 1% and 6% of a metal chosen from the group consisting of molybdenum, tungsten and uranium sufficient to materially lower the coefficient of expansion of the chrome-iron the remainder of the alloy being iron.

2,275,000
ADJUSTABLE BAG HOLDER
Edward R. Ammon, Reading, Pa.
Application September 30, 1940, Serial No. 359,131
7 Claims. (Cl. 248—97)



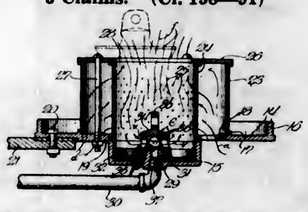
7. A bag holder including a base member, a pair of upstanding bag-supporting frame sections pivotally mounted in opposing relation on the base member for swinging movement towards and away from each other, an actuating arm pivotally mounted on the base member, a pair of link arms pivotally connected to the respective bag-supporting frame sections and operable through movement of the actuating arm to move the bag-supporting frame sections relative to each other, and spring means interposed between the frame sections for spreading the frame sections apart.

2,275,001
APPARATUS FOR ELECTRICAL PRECIPITATION
Evald Anderson, San Marino, Calif., assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application July 16, 1940, Serial No. 345,850
15 Claims. (Cl. 183—7)



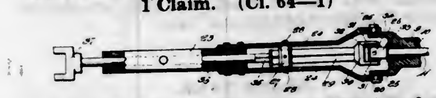
1. Electrical precipitation apparatus for removing dust particles from a stream of gas, comprising a first complementary electrode system that includes a non-discharging electrode and a discharge electrode; a second complementary electrode system including a pair of non-discharging electrodes spaced from the first system, one of the non-discharging electrodes of the second system being a pocket-type collecting electrode including means defining particle-collecting spaces open to the gas passage between the electrodes of said second system but out of the path of the gas stream; means for directing the gas stream past the electrode systems in succession; and means for impressing a high potential across the complementary electrodes of each system.

2,275,002
OIL BURNER
Samuel B. Barr, Malcom, Iowa
Application November 28, 1939, Serial No. 306,533
3 Claims. (Cl. 158—91)



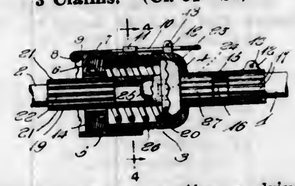
1. In an oil burner of the character described, a supporting plate having a central well, an upstanding boss in said well, said supporting plate having an outer supporting rim and air admission openings intermediate said rim and said well, means for admitting fuel oil to said boss, a vaporizer cap having a central tubular portion terminating at its upper end in a closure element positioned over said boss, having horizontally directed vapor emission openings in said tubular portion below said closure element and having an annular cup surrounding said tubular portion for catching and vaporizing any unvaporized oil emitted from said openings, a perforated ear extending upwardly from said tubular portion to facilitate removal of said cap from position on said upstanding boss, a perforate cylinder extending upwardly from said supporting plate at the periphery of said well, an imperforate cylinder extending upwardly from said supporting plate outside of said air admission openings therein, a cover plate for the space between said cylinders, tie bolts from said cover plate to said supporting plate, said cover plate having a central opening for emission of flame from the interior of said perforate cylinder, the space between said cylinders constituting the only means receiving air through said air admission openings of said supporting plate whereby the only air supplied to the flame is that which passes from the exterior to the interior of said perforate cylinder.

2,275,003
POWER TAKE-OFF UNIT
Fred H. Behl, Milan, Minn.
Application October 22, 1940, Serial No. 362,294
1 Claim. (Cl. 64—1)



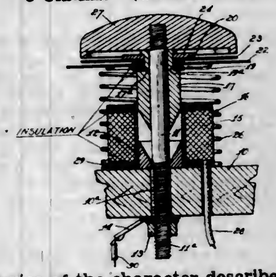
A power take off unit including front and rear casing sections, a shaft journaled through the front casing section, arms extending forwardly from the rear casing section and pivoted to the rear end of the front casing section, a sleeve extending longitudinally between said arms, a universal joint connecting said sleeve with the rear end of said shaft, a bearing for the rear portion of said sleeve mounted between the arms, and an auxiliary shaft rotatably mounted through the rear casing section with its forward portion slidably engaged in the sleeve and held against rotation therein, the rear portion of the rear shaft being adapted for connection with the drive shaft of machinery to be operated from the power take off unit.

2,275,004
SHAFT COUPLING
Fred H. Behl, Milan, Minn.
Original application October 22, 1940, Serial No. 362,294. Divided and this application April 7, 1941, Serial No. 387,303
3 Claims. (Cl. 64—29)



1. A coupling for connecting a driven shaft with a drive shaft, said coupling comprising a casing having a tubular shank extending therefrom and adapted for connection with the drive shaft, a cap threaded on said casing and having a head formed with a center opening and a tubular neck extending inwardly about the opening, a stationary clutch member in the casing having a shank extending into the shank of the casing and held against turning movement therein, a movable clutch member in said casing formed with a center opening and having a tubular shank surrounding its center opening and extending outwardly through the neck of the cap and adapted for connection with the driven shaft, the stationary clutch member having a neck extending therefrom through the center opening of the movable clutch member into the tubular shank thereof and terminating in a spherical head engaging walls of the tubular shank and permitting universal tilting of the movable clutch member, and a spring in the casing coiled about the neck and the shank of the movable clutch member with one end bearing against the head of the cap and its other end bearing against the movable clutch member and urging the movable clutch member toward the stationary clutch member.

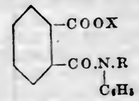
2,275,005
ELECTRICAL REBOUND DEVICE
Kenneth A. Bevington, Evanston, Ill., assignor to American Molded Products Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 266,121
8 Claims. (Cl. 273—118)



1. A device of the character described, adapted for use with a game board over which a ball is impelled, comprising a vertically movable control switch adapted to be connected in an electrical circuit and including a fixed switch element and a substantially horizontally disposed, disc-form, switch element mounted above the board in position to be encountered and moved by a ball traversing the board in any direction, and an electro-magnet connected in the electrical circuit with the control switch and having an armature positively connected to said control switch, said electro-magnet being energized by such movement of the disc element of the switch into engagement with the fixed element to complete the electrical circuit for causing said armature to move said control switch rapidly in a downwardly direction, substantially perpendicularly to the surface of the game board, thereby causing the disc element to impose a wiping stroke upon the ball for reprojecting it over the surface of the game board.

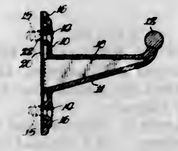
2,275,006
MANUFACTURE OF PHTHALIC ACID-MONO-PHENYL-AMIDES
Jakob Bindler, Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 20, 1939, Serial No. 305,352. In Switzerland November 30, 1938
6 Claims. (Cl. 260—518)

6. The phthalic acid mono-phenyl-amides as products of condensation of a phthalic acid body and a secondary aromatic amine of the benzene series containing at the nitrogen an aliphatic radical with 16 to 18 C-atoms, and corresponding to the formula



wherein X represents a member of the group consisting of H and alkali metal, and R represents an aliphatic radical with 16 to 18 C-atoms.

2,275,007
SUPPORTING HOOK
Charles E. Caestecker, Chicago, Ill., assignor to American Molded Products Co., Chicago, Ill., a corporation of Illinois
Application November 12, 1940, Serial No. 365,312
4 Claims. (Cl. 248—217)



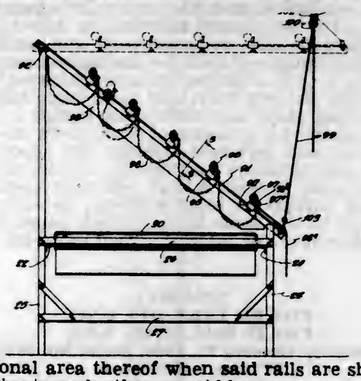
4. A supporting hook comprising a mounting base provided with spaced apart apertures for receiving fastening elements for securing said base to a mounting surface, a hollow, tapered arm formed integrally with and projecting substantially perpendicularly from the base, said base and arm being formed as a unit of molded plastic material and having the interior of said arm opening to the back side of the base, and a metal reinforcement including a part snugly fitted into said arm and having a flat body portion seated in engagement with the back side of said base, said reinforcement being formed as a sheet metal stamping and said part being tapered to correspond with the interior contour of the hollow arm, and the flat body portion being dimensioned for seating in a recessed area formed in the back side of the base, with the outer surface of said flat body portion lying substantially flush with the marginal edge of said recessed area of said base.

2,275,008
POLYMERIC MATERIALS
Donald Drake Coffman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1939, Serial No. 296,495
11 Claims. (Cl. 18—54)

1. A process which comprises incorporating into a water-soluble synthetic linear polyamide an insolubilizing agent comprising a compound having a methylene group attached only to elements selected from groups V and VI of the periodic table and having an atomic weight of from 14 to 33, and then heating the polyamide containing said agent.

2,275,009
POULTRY RACK
Hugo M. Danker, Berwyn, Ill.
Original application July 20, 1939, Serial No. 285,668. Divided and this application March 19, 1940, Serial No. 324,873
2 Claims. (Cl. 119—22)

1. A roosting rack comprising a frame extending from front to rear and having a pair of T-bars at its lateral limits, a plurality of channeled clamps slidable on said bars, means for adjustably securing each clamp to its bar, a plurality of roosting rails extending in spaced parallel relation between said bars, means securing a clamp of each bar to the adjacent end of each rail, and wire fabric material connected in suspended relation to adjacent rails to form troughs between said rails, said troughs being of sufficient dimensions to permit varying the cross



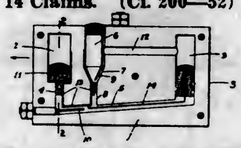
sectional area thereof when said rails are shifted relative to each other on said bars.

2,275,010
GLASS TANK
Alfred W. Dodge, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application January 15, 1940, Serial No. 313,957
9 Claims. (Cl. 49—54)



1. A repaired glass melting tank comprising a tank bottom formed of partly eroded flux blocks, a heavier than glass grog in the eroded joints, and fragments of heavier than glass blocks embedded in the grog.

2,275,011
INERTIA SWITCH
William J. Erich, Lodi, Calif.
Application July 24, 1940, Serial No. 347,193
14 Claims. (Cl. 200—52)

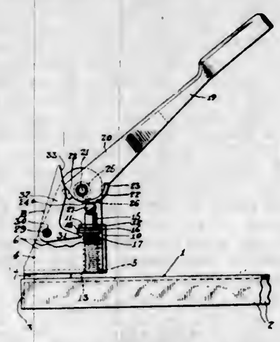


1. A gravity correction inertia switch comprising a body, a pair of vertical spaced chambers therein, a contact in one chamber, a relatively small mercury filled passage connecting the chambers at the bottom, a contact in said passage, an air passage connecting the chambers above the mercury level, and air flow restricting means in said air passage.

2,275,012
PERFORATOR
Walter Faas, South Orange, N. J., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application January 30, 1940, Serial No. 316,349
10 Claims. (Cl. 164—91)

1. In a perforator including a support, a punch

mounted on said support for movement to and from operative position and an actuating member mounted for movement in opposite directions, said member being free from positive connection with the punch and adapted upon movement in one direction to effect by a camming action



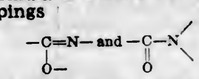
movement of the punch to operative position; means associated with said punch and said member and directly engageable by the latter in the movement thereof in the other direction thereby positively to move the punch and ensure its return to inoperative position, said means being separate from and unsupported by said member.

2,275,013
AMIDES ACYLATED WITH ACYLATING AGENTS CONTAINING A WATER SOLUBILIZING GROUP
Charles Graenacher, Riehen, Franz Ackermann, Binningen, and Heinrich Bruengger, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application November 8, 1937, Serial No. 173,528. Divided and this application November 7, 1939, Serial No. 303,323. In Switzerland November 11, 1936
5 Claims. (Cl. 260—285)

1. The acid amide-like derivatives corresponding to the general formula



in which formula x stands for one of the two atomic groupings

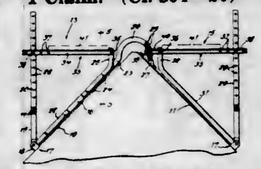


R_1 being united to the carbon atom, R_2 to the nitrogen atom and R_3 to the remaining valency, and in which formula R_1 stands for the organic radical of the carboxylic acid residue of the parent amide,



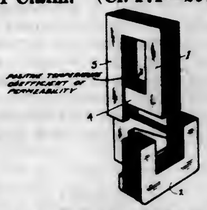
stands for the divalent radical of an amine, said amine being an amino-dyestuff, and R_3 stands for an acyl residue containing at least one salt forming group in the form of a salt selected from the group consisting of carboxyl groups, sulfonic groups and quaternary ammonium groups, which products are water-soluble powders which, when treated with mild saponifying agents, regenerate the parent acid amide free from hydroxyl, sulfonic and carboxyl groups corresponding to the atom grouping $R_1—x—R_2$.

2,275,014
ADJUSTABLE ROOF SCAFFOLDING SUPPORT
Frank Hahler, Tiffin, Ohio
Application June 10, 1940, Serial No. 339,680
1 Claim. (Cl. 304—20)



A scaffolding support adapted to be mounted on the two sides of a peaked roof, comprising two pairs of members, each member of one of said pairs being identical with the other member thereof, two of said mutually identical members being mounted on one side of the roof and the other two mutually identical members being mounted on the other side of the roof, each of said members comprising a base having a yoke pivotally mounted on the ends thereof, an upright rigid with and extending upward from said yoke, a rod secured to said base and extending angularly upward against the roof side, and a horizontal member pivotally mounted at one end in the upper end of said rod and adjustably secured at the other end in said upright, each member of one of said pairs having in addition a hook extending beyond the roof comb and engaging the said horizontal member of the opposed member on the other roof side, said hook having a shoe pivoted on the extremity thereof adapted to rest against said other side of the roof.

2,275,015
WATT-HOUR METER
August Hungerbühler, Zug, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a corporation of Switzerland
Application July 21, 1939, Serial No. 285,659
In Switzerland July 29, 1938
1 Claim. (Cl. 171—264)

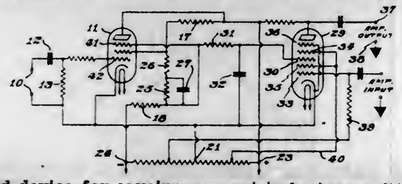


A temperature compensated induction meter including a current core, a voltage core having a shunt limb adjacent a return yoke, and a thermally sensitive alloy having a positive temperature coefficient forming part of the shunt path and filling the gap between the shunt limb and return yoke.

2,275,016
CONTROL SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1939, Serial No. 276,088
8 Claims. (Cl. 250—27)

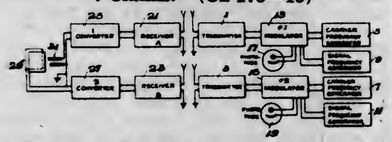
5. The combination of control impulse supply terminals, an electron discharge device having a cathode, anode, control grid, screen grid and suppressor grid electrodes provided with a control grid circuit connected to said terminals,

with an output circuit connected with the anode electrode and with screen and suppressor grid circuits, means for energizing said electrodes, means responsive to the relation between the suppressor voltage and screen grid current of



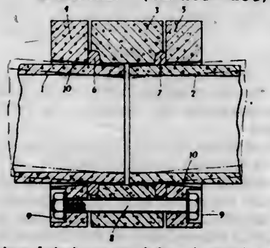
said device for causing current to be transmitted selectively through said output circuit or through said screen grid circuit, and means responsive to the duration of said control impulses for predetermining which of said circuits is selected.

2,275,017
SIGNALING SYSTEM
Joseph T. McNaney, Baltimore, Md.
Application June 18, 1940, Serial No. 341,196
7 Claims. (Cl. 178—15)



1. In a signaling system, means for generating and for transmitting two carrier waves, means for simultaneously and individually modulating said waves to predetermined percentages in accordance with a message-character, two receiving devices for individually receiving said modulated waves, means connected to each receiving device for deriving two unidirectional potentials proportional, respectively, to the percentages of modulation of the received waves, a cathode ray tube provided with two independent ray-deflecting systems at one end, a fluorescent screen at the opposite end, means interposed between the ray-deflecting systems and the screen for deriving a plurality of minor electron streams from the cathode ray, and means for simultaneously impressing said unidirectional potentials upon said systems, respectively, to thereby control the deflection of the cathode ray over said interposed means.

2,275,018
PIPE JOINT
Kenneth Neve, Hale, near Liverpool, England, assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application November 3, 1939, Serial No. 302,626
In Great Britain November 9, 1938
2 Claims. (Cl. 285—196)



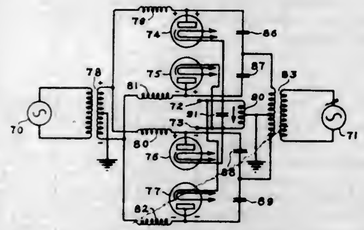
1. A pipe joint comprising two pipes each composed essentially of fibrous material and an hydraulic binder and having plain ungrooved end surfaces, a sleeve surrounding the mutually adjacent ends of said pipes, at least two annular packings, one surrounding each of said pipes, two collars, the one collar surrounding one of said pipes and serving to force the annular packing around that pipe into contact with said plain end surface of that pipe and with said sleeve and other collar surrounding the second of said pipes and serving to force the annular packing around said second pipe into contact with the plain end surface of said second pipe and with said sleeve, said collars and said sleeve all being composed essentially of fibrous material and an hydraulic binder and being formed with holes lying radially outside said packing rings and closely adjacent thereto, and axially-running bolts passing through said holes to force said collars and said sleeve together under compressive forces nearly in line with the axial resistance of said packings so as to restrict the forces on the collars and sleeve to compression.

2,275,019
CABLE REINFORCEMENT
Thomas F. Peterson, Worcester, Mass.
Application May 14, 1936, Serial No. 79,689
11 Claims. (Cl. 174—42)



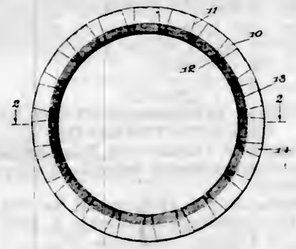
3. The combination with a line conductor adapted to be supported at spaced points therealong, of means for increasing the rigidity of said conductor for a short distance therealong at said points, said means comprising a preformed helix having a pitch several times its diameter and capable of substantial elastic deformation manually, whereby it may be laid sidewise against said conductor and wrapped therearound without permanent deformation of the helix, the inside diameter of the helix being substantially equal to the outside diameter of the conductor, whereby the helix when so applied to the conductor has a tight frictional grip thereon at all points along the helix.

2,275,020
MODULATION SYSTEM
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr., Gloucester, Mass.
Application July 6, 1939, Serial No. 283,020
4 Claims. (Cl. 179—171.5)



1. A system of the class described comprising two pairs of rectifiers, a source of carrier energy having a pair of terminals connected through condensers to like electrodes of said rectifiers to supply energy in push-pull to said pairs of rectifiers and in parallel to the individual rectifiers of each pair, a source of modulating energy having a pair of terminals connected through inductances to said like electrodes of said rectifiers to supply energy in push-pull to the individual rectifiers of each pair, and a work circuit connected to be actuated in response to the differential effect of the instantaneous currents passed by the individual rectifiers of each pair, whereby one of said rectifiers is conductive for each half cycle of said carrier energy, the particular rectifier conductive at each instant being determined by the relationship of the voltages of said carrier energy and said modulating energy, the energy in the work circuit being built up from the combined energy passing through all of said rectifiers.

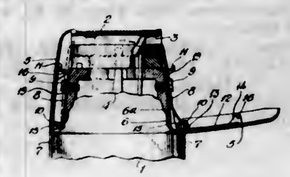
2,275,021
PROCESS OF MAKING TOOLS
Howard E. Somes, Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application July 1, 1938, Serial No. 216,930
2 Claims. (Cl. 76—101)



1. The method of making a number of cutting tools each having an edge of hardened material and an unhardened, tough, support for the hardened edge extending substantially adjacent and behind the cutting edge, which comprises hardening a cylinder by heating the radially inner surface thereof so rapidly that said surface is hot enough for hardening well before the entire radial depth of the cylinder has been heated, quenching the heated portion to harden it rapidly to leave a sharp line of demarcation between the hardened and unhardened portions, and separating the cylinder into a number of tool blanks by cutting into the cylinder transversely of the hardened and unhardened portions to retain the tough unhardened portion adjacent the cutting edge as the backing support therefor.

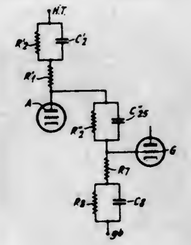
2,275,022
HAIR RECEPTACLE
William A. Thomas, Riverside, Conn., assignor to Schick Incorporated, a corporation of Delaware
Application September 13, 1940, Serial No. 356,625
7 Claims. (Cl. 30—41)

1. In a hair cutting appliance having a casing and an open-ended cutter head supported thereon, a spring strip attached to the casing below the head and having its lower end bent to form a hinge loop, a trough-like hair receptacle having an open side, the edges of the upper part of the receptacle fitting an open end of the cutter head and the edges of the lower part fitting the casing and wholly enclosing said strip, a hinge pin secured to the inside of the receptacle and wholly within the same and engaging said hinge loop,



a latch formed at the upper end of said strip engageable with the receptacle when the latter is in its closed position.

2,275,023
THERMIONIC VALVE CIRCUIT ARRANGEMENT
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 9, 1940, Serial No. 334,157
In Great Britain May 10, 1939
13 Claims. (Cl. 179—171)



1. An electrical network for coupling a constant current source of signals to a high impedance device comprising a pair of branches in parallel and fed with current from said source, the first of said branches comprising two parts connected in series, one part being formed by a resistance of magnitude P shunted by an impedance of value α, the other part being formed by a resistance of magnitude aP, the second of said branches comprising three parts connected in series, a first part formed by a resistance of magnitude Q shunted by an impedance of value β, a second part formed by a resistance of magnitude bQ, and a third part formed by a resistance of magnitude cQ shunted by an impedance of value $c\beta$, the quantities a, b, c being real numbers and satisfying the relation: $a=b+c$ and the quantities a, β being complex or purely imaginary and satisfying the relation:

$$\frac{aP}{\alpha}=\frac{bQ}{\beta}$$

wherein it is arranged that the sum of the potential differences developed across the second and third parts of said second branch are fed to said device and the network is so constructed that it transmits said signals over a wide range of frequencies substantially independently of the frequency.

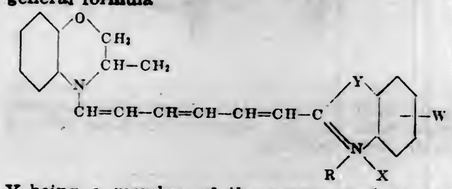
2,275,024

ORGANIC HEXAMETHINE COMPOUND

Walter Zeh, Dessau, Anhalt, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 22, 1937, Serial No. 149,677. In Germany May 18, 1933
5 Claims. (Cl. 260—240)

1. A compound corresponding to the following general formula



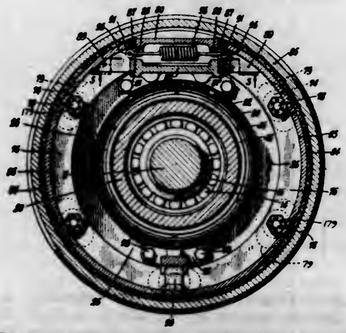
Y being a member of the group consisting of S,Se,—CH=CH—;
W being a member of the group consisting of alkyl, alkoxy, and a fused-on benzene nucleus;
R being alkyl;
X being an anion.

2,275,025

DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application September 8, 1939, Serial No. 293,912
7 Claims. (Cl. 188—18)



1. In a clutch for transmitting braking effort from one wheel part to another relatively movable wheel part, a drum carried by one wheel part, a split annular clutch band mounted on the other wheel part within the drum, said band having spaced substantially parallel end abutments provided with openings therein, and means for actuating the band including a finger fast to one wheel part, a finger movable relatively thereto and with the other wheel part, said fingers being arranged adjacent each other and between the end abutments of the band, and a band contracting spring disposed between the fingers and extending transversely thereof between the end abutments of the band and having end portions projecting through the openings in the abutments and held in engagement with said abutments.

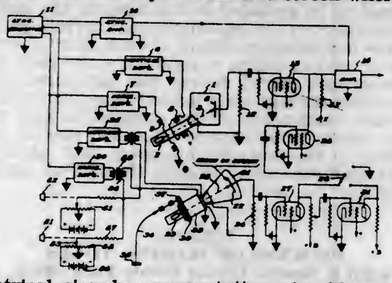
2,275,026

TELEVISION SYSTEM

Alda V. Bedford, Collinswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 27, 1939, Serial No. 301,556
6 Claims. (Cl. 178—7.2)

1. In a television system, means for converting a picture to be transmitted into electrical signals representative of said picture, a cathode ray tube comprising a screen having formed thereon in a fixed position an indicating symbol having a different secondary emission characteristic than said screen and comprising means for producing a cathode ray and directing it against said screen, deflecting means for causing said cathode ray to scan said screen whereby



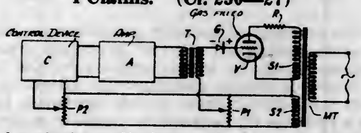
electrical signals representative of said symbol are produced, means for combining said picture and symbol signals whereby said symbol appears superimposed upon the received picture, and means for so controlling the position of said cathode ray laterally while it is scanning said screen that said symbol may be positioned on various desired areas of the received picture at the will of the operator.

2,275,027

ELECTRON DISCHARGE TUBES AND CIRCUITS THEREFOR

David Arthur Bell, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application July 8, 1939, Serial No. 283,396
In Great Britain September 2, 1938
4 Claims. (Cl. 250—27)



1. An electron discharge device having an envelope containing a gaseous atmosphere and containing a cathode, grid and anode, a utilization device connected to the anode, means for applying an alternating voltage between said cathode and anode, and means for applying an alternating voltage to said grid 180° out of phase with the first voltage to prevent said device from discharging, and other means for superimposing on said grid a positive voltage sufficiently great to cause said tube to discharge, and means including a rectifier in said grid circuit connected to permit the flow of electronic current and to substantially block the flow of the positive ion current in the grid circuit.

2,275,028

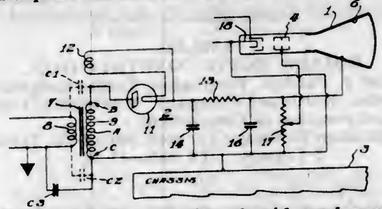
TELEVISION RECEIVER

Kenneth A. Chittick, Haddonfield, and Randall C. Ballard, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application March 30, 1940, Serial No. 326,852
3 Claims. (Cl. 178—7.3)

1. In a television receiver having a chassis which may be ungrounded, a high voltage unit having its low voltage side connected to said chassis and comprising a high voltage transformer having a primary winding and a secondary winding, the turns in said secondary winding

starting adjacent to said primary winding and ending at a point comparatively remote from said primary winding whereby the first turns only are adjacent to said primary winding, and a condenser connected between said primary winding and a point on said secondary winding near the



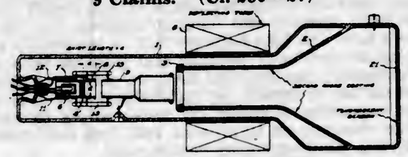
start thereof, the capacity of said condenser being large compared with the distributed capacity between said primary and secondary windings whereby most of the voltage difference between said windings is at the secondary turns remote from the primary winding.

2,275,029

CATHODE RAY TUBE

David W. Epstein, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1940, Serial No. 338,058
9 Claims. (Cl. 250—27)



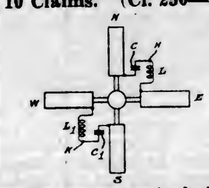
1. In a cathode ray tube, an electron gun comprising a cathode, a control grid, a screen grid electrode and a first anode positioned in the order named, said screen grid having a substantial longitudinal dimension or skirt length along the longitudinal axis of said gun as compared with the transverse dimension of the screen grid, the ratio of said skirt length to said transverse dimension being such that an electrostatic lens is formed having a focus substantially at said cathode when there is applied to said anode a voltage which is at least eight times the voltage which is applied to the screen grid.

2,275,030

TURNSTILE ANTENNA

Jess Epstein, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 17, 1940, Serial No. 361,494
10 Claims. (Cl. 250—33)



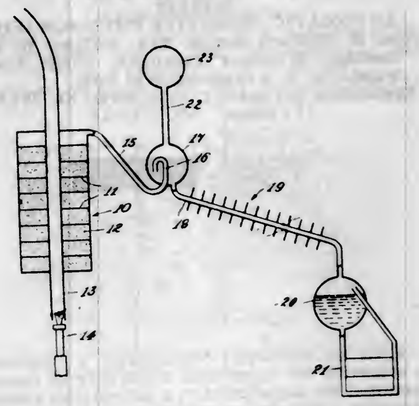
1. A turnstile antenna including supporting means, four radiator elements located in the same plane and attached at 90° intervals to said supporting means, two phase splitting circuits connected between adjacent radiator elements to apply currents of quadrature phase to said radiator elements, and a pair of transmission lines for applying currents of opposite phase to said phase splitting circuits.

2,275,031

ABSORPTION REFRIGERATING APPARATUS

Nils Erland af Kleen, Stockholm, Sweden

Original application July 16, 1937, Serial No. 154,090. Divided and this application November 20, 1940, Serial No. 366,324. In Great Britain July 23, 1936
6 Claims. (Cl. 62—118)



1. In absorption refrigerating apparatus of the type operating intermittently in the expulsion and absorption phases, respectively, including a closed system for a refrigerant, said system having a plurality of elements arranged to provide a boiler absorber containing dry salts, a condenser, and an evaporator coupled in series to permit the refrigerant to be withdrawn from said evaporator and absorbed by said dry salts during the absorption phase operation of said apparatus, and to be expelled from said boiler absorber and delivered to said evaporator during the expulsion phase operation of said apparatus; means for preventing the return of said refrigerant in liquid form from said evaporator to said boiler absorber, comprising a chamber interposed in said closed system through which the refrigerant flows on its way to the boiler absorber during the absorption phase operation, and from the boiler absorber to the evaporator during the expulsion phase operation, and means cooperating with said chamber for receiving liquid refrigerant from said evaporator when the apparatus is tilted from its normal position.

2,275,032

MANUFACTURE OF BASIC MAGNESIUM CARBONATE AND HEAT INSULATION MATERIAL COMPRISING SAME

Harold W. Greider and Roger A. MacArthur, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

No Drawing. Application August 16, 1938, Serial No. 225,139
8 Claims. (Cl. 25—156)

6. In a method of making heat insulation material wherein a semi-fluid mass comprising basic magnesium carbonate is molded and the molded product is dried, the steps comprising preparing basic magnesium carbonate by rapidly heating a water solution of magnesium bicarbonate to at

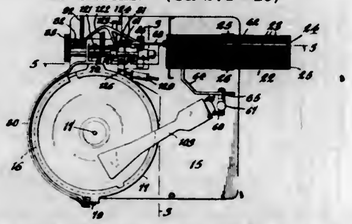
least about 190° F., making a semi-fluid mass containing the basic magnesium carbonate thus prepared and containing finely-divided normal magnesium carbonate incorporated with said basic magnesium carbonate, molding the mass, and heating the molded mass prior to complete drying thereof sufficiently to convert normal magnesium carbonate contained therein into basic magnesium carbonate, not more than about 2/3 of the total basic magnesium carbonate in the insulation being produced from said normal magnesium carbonate.

2,275,033

AUTOMATIC SELECTIVE PHONOGRAPH

John R. Mitchell, Dallas, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application December 2, 1939, Serial No. 307,300
12 Claims. (Cl. 274—10)



4. In an automatic phonograph, a turntable, a magazine for supporting a plurality of records mounted for adjustment to a plurality of record-selecting positions, a swinging carrier operable between the turntable and the magazine in side by side relation to for receiving a record from the latter and transferring it to playing relation to the former, means for moving said magazine to different positions of selective adjustment to bring one or another of the records into registering relation with said carrier, vertically-swinging means disposed transversely between said magazine and said carrier for operative engagement with a record to transfer and direct it from the magazine to the carrier and from the carrier to the magazine, said transfer means being pivoted between the magazine and the carrier and having its end portions in operative record-engaging relation to such parts, respectively, for ejecting a record from the magazine or the carrier and causing it to roll by gravity to the carrier or the magazine, a drive mechanism operatively connected to said foregoing elements for actuating them in predetermined sequence to present a record for play and restore it to the magazine after play, a shiftable means associated with said drive mechanism for governing the same, and means for automatically actuating said shiftable means at predetermined times to govern bringing a record into and out of playing position.

2,275,034

ESTERS OF 4-CYCLOHEXENE-1,2-DICARBOXYLIC ACID

Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 2, 1941, Serial No. 391,481
12 Claims. (Cl. 260—468)

1. An ester of 4-cyclohexene-1,2-dicarboxylic acid and an alcohol of the general formula:



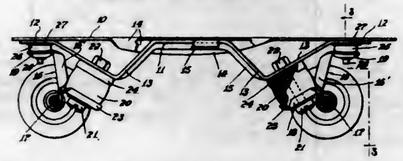
wherein R represents a simple neutral substituent of the group consisting of the methyl radical, hydrogen, and halogen; R′ represents a member of the group consisting of the methyl radical and hydrogen; and R″ represents a member of the group consisting of hydrocarbon radicals and hydrogen.

2,275,035

ROLLER SKATE CONSTRUCTION

Ernest J. Pardon, Torrington, Conn., assignor to Union Hardware Company, Torrington, Conn., a corporation of Connecticut

Application February 17, 1940, Serial No. 319,392
5 Claims. (Cl. 280—11.28)



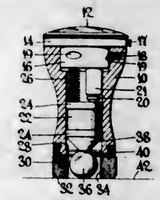
1. The combination with a roller skate body portion having a foot plate and a sub-frame, of a truck having two arms, a resilient cushion located between the sub-frame and one arm of the truck, an adjustable bolt passing through said cushion for securing said truck to the sub-frame with limited clearance between the bolt and truck arm, another resilient cushion of less depth than the first cushion and located between the other truck arm and said body portion, a pin rigidly secured to said body portion and passing through said second cushion and its arm, each arm being dished for reception of its cushion, the axes of said cushions forming an acute angle to each other whereby on tightening said bolt both cushions are simultaneously compressed.

2,275,036

DEPTH GAUGE

Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

Application November 9, 1940, Serial No. 365,085
4 Claims. (Cl. 33—172)



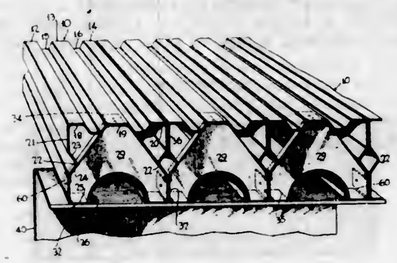
1. A depth gauge comprising a body member having a work piece engaging face portion, an indicator mechanism mounted upon said body member, a plunger slidably mounted within said body member in operative association with said indicator mechanism for actuation of the latter in response to sliding movement of said plunger within said body member, a work piece contact member normally disposed substantially within said body member in operative association with said plunger and adapted to move to extend beyond said work piece engaging face portion and into a recess in the work piece to be measured, said plunger and said work piece contact member being mutually magnetically attracted to normally maintain said contact member in engagement with said plunger.

2,275,037

PANEL SECTION

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 19, 1939, Serial No. 285,361
4 Claims. (Cl. 189—34)



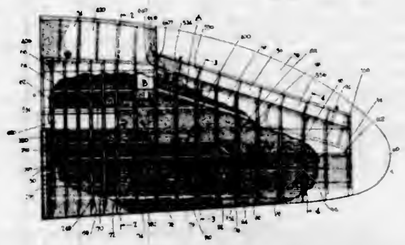
2. A panel construction comprising a plurality of flanged sheet metal members welded together in parallel relation to present a plurality of parallel channels, each channel being defined by parallel side portions and an interconnecting bottom portion, each bottom portion having spaced longitudinal portions offset into the channel, and a plurality of plates disposed in longitudinally spaced relation within said channels, each plate having a base part welded at its ends to the channel side portions and a triangular part integral with the base portion and having its apex nesting within said offset portions and welded to the channel bottom portion between said offset portions.

2,275,038

AIRPLANE WING

John C. Whitesell, Jr., Norristown, Renato Contini, Philadelphia, William W. Farr, Penn Valley, and Karel J. Bossart, Philadelphia, Pa., and Edmund T. Ridgway, Oaklyn, N. J., and William L. Dieter, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 10, 1938, Serial No. 224,084
32 Claims. (Cl. 244—123)



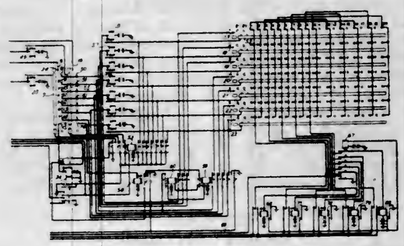
1. In an aerofoil employing corrugated members of uniform pitch and amplitude, a corrugated member having a length from end corrugation to end corrugation different from a multiple of the corrugation pitch, said member comprising a corrugated section having at least one complete corrugation and a flange, another corrugated section having at least one complete corrugation and a flange, said flanges lying in a plane, and a corrugated hat shape intermediary section of differing pitch having the flanges spot welded to said first named section flanges, said overlapped flanges lying within a plane passing through the corrugations on the flange side of said sections, and said hat shape extending to but not beyond the plane passing through the corrugations on the other side from said first named plane.

2,275,039

SIGNALING DEVICE

Walter P. Albert, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1940, Serial No. 363,274
9 Claims. (Cl. 179—18)



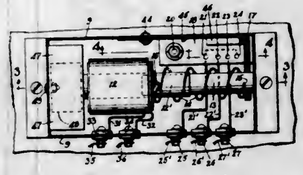
1. An impulse transmitter comprising a stepping switch having a wiper and a series of terminals, said terminals being multipled at terminals N and 2N whereby a condition placed on a terminal to which said wiper has been moved will be first found an equal number of steps therebeyond.

2,275,040

CIRCUIT CONTROL MECHANISM

Weldon W. Betz, Culver City, Calif., assignor of one-third to Cecil Betz Davis and one-third to Byron H. Betz

Application April 20, 1938, Serial No. 203,072
2 Claims. (Cl. 200—97)



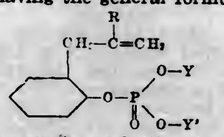
1. In a circuit control mechanism, a liquid tight case, a plurality of fixed contacts therein with circuit connections thereto, a solenoid with a tubular center, a plunger operable in said solenoid and having a contact element thereon to successively move upon said fixed contacts to successively complete circuits, a spring for moving said plunger in one direction when the solenoid is deenergized, and a liquid of oil consistency in said case submerging said solenoid, plunger and fixed contacts, and a valve element operating to close the open end of said solenoid as said plunger moves outward, whereby to retard the movement of said solenoid and contact element over said fixed contacts.

2,275,041
MIXED AROMATIC PHOSPHATES AND METHOD FOR PREPARING THE SAME

Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 8, 1939, Serial No. 272,446
15 Claims. (Cl. 260—461)

2. In a method for preparing mixed aromatic phosphates having the general formula

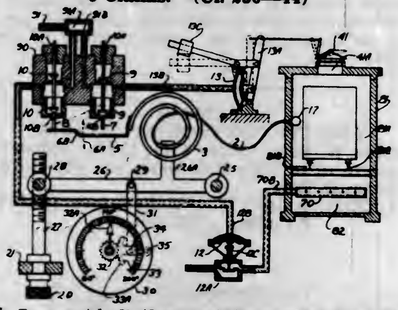


wherein R represents a substituent selected from the group consisting of alkyl radicals, hydrogen, and halogen, Y represents an aromatic radical of the benzene series, Y' represents an aromatic radical of the benzene series containing no unsaturated aliphatic substituent, the step which consists in reacting a phenol selected from the class consisting of o-(2-alkylallyl)-phenols, o-(2-haloallyl)-phenols, and o-allyl-phenol with an aromatic phosphoric acid halide of the benzene series, at least one aromatic radical of which contains no unsaturated aliphatic substituent.

2,275,042
DRIER CONTROL

James Forrest Cobb, Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon, a corporation

Application May 8, 1937, Serial No. 141,504
6 Claims. (Cl. 236—44)



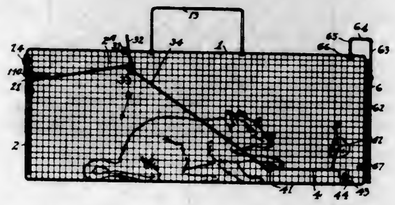
5. In a wet bulb thermostatic control for a kiln, a wet bulb in said kiln, a spring tube that is operatively connected to said bulb and is responsive thereto, an actuator attached to said spring tube, two independent control devices that are operable by said actuator by movement of said spring tube, at spaced temperature intervals, upon rise or fall of the wet bulb temperature in the kiln, ventilating means and humidifying means for said kiln and two motors that are operable respectively by said control devices at different temperatures, one motor for operating the ventilating means and one motor for operating the humidifying means.

2,275,043
UNIVERSAL ANIMAL TRAP

William Colwell and Charles Allen, Detroit, Mich., assignors to The Pied-Piper Animal Trap Company, Detroit, Mich.

Application December 18, 1939, Serial No. 309,816
1 Claim. (Cl. 43—61)

A box trap comprising a rectangularly-shaped cage having at one end a spring-closed entrance door, a trigger for holding said entrance door in open position, a bait-holding member operatively connected to said trigger whereby pressure upon said member releases said trigger and allows said door to close and to entrap an animal, an exit opening at the other end of said trap, a sliding gate for closing said exit opening, an auxiliary cage having an opening corresponding to said exit opening, a sliding gate for closing said last-named opening, a pair of hook members pivoted

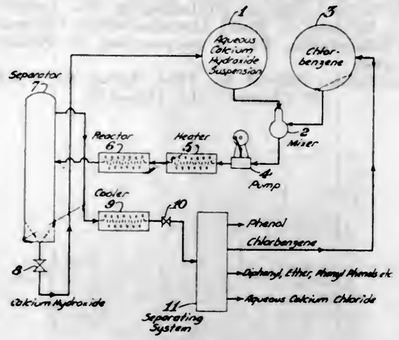


to said auxiliary cage and adapted to engage said trap adjacent said exit opening and to detachably hold said trap and said auxiliary cage in co-operative relation, whereby an animal may be transferred to said auxiliary cage, and handle members including locking means for the same operatively connected to said sliding gates and arranged in juxtaposition for simultaneous operation, said hook members and said handle members extending above the top of the trap whereby they may be operated without possibility of damage or infection from a trapped animal.

2,275,044
PREPARATION OF PHENOLS

John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application July 3, 1939, Serial No. 282,622
8 Claims. (Cl. 260—629)



1. In a process for the preparation of a phenol wherein an aryl halide is reacted with aqueous calcium hydroxide at a temperature substantially above the normal boiling point of the mixture and under a pressure substantially above atmospheric, the steps which consist in holding the reaction mixture at said temperature and pressure while separating insoluble calcium hydroxide from the liquid mixture containing the free phenol, and separating the free phenol from said liquid mixture.

2,275,045
RECOVERY OF PHENOLS FROM AQUEOUS SOLUTIONS OF THEIR SALTS

John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

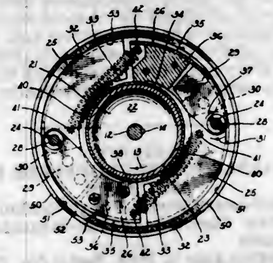
No Drawing. Application July 3, 1939, Serial No. 282,623
11 Claims. (Cl. 260—621)

1. In a method of recovering a phenol from an aqueous solution of a calcium salt of the phenol, the steps which consist in heating the solution at a temperature substantially above its normal boiling point to hydrolyze the calcium salt of the phenol, and holding the reaction mixture at said temperature under a pressure substantially above atmospheric pressure while separating insoluble calcium hydroxide from the liquid mixture containing the free phenol.

2,275,046
CLUTCH

Ford W. Harris, Los Angeles, Calif., assignor to Salsbury Corporation, Inglewood, Calif., a corporation of California

Application May 15, 1940, Serial No. 335,293
4 Claims. (Cl. 192—103)



1. A clutch through which an internal combustion engine may drive the wheel of a vehicle and through which the wheel of the vehicle may drive said engine for the purpose of starting said engine, comprising: a driving member connected to and driven by the engine; a driven member connected to and driving the vehicle wheel; a running clutch shoe carried by said driving member; centrifugally operated means for forcing said running clutch shoe to frictionally engage a surface on said driven member when said driving member is rotated above a critical speed; a starting clutch shoe carried by said driving member; spring means tending to hold said starting clutch shoe in frictional engagement with said driven member; and centrifugal means for forcing said starting clutch shoe out of frictional engagement with said driven member, against said spring means, whenever said driven member is rotated at or above a starting clutch releasing speed which is slightly below said critical speed.

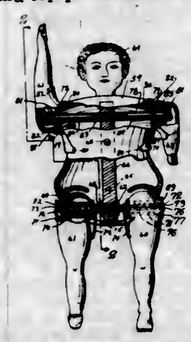
2,275,047
WALKING DOLL

Joseph T. Hayden, Philadelphia, Pa.

Application July 2, 1938, Serial No. 217,285
5 Claims. (Cl. 46—149)

1. In a doll having a structure made in accordance with claim 5, said structure having in addition tension means for drawing the top portions of said legs along said shaft, toward one another.

5. In a doll adapted to be walked and having a body, arms and a pair of legs, each of which has a bearing hole within and crossing its top portion, and said body having a central depending portion extending below the main part of said body, positioned between the said top leg portions, a joint connecting each of said legs with said depending body portion, said joint including a shaft member fixed to and extending beyond each side of said depending body portion, substantially at right angles thereto, and entering the said leg holes in the said top portions of said legs, a coiled

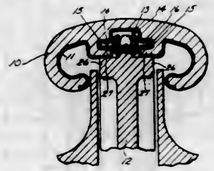


spring loosely surrounding said shaft portions within each of said holes, to have said shaft and said spring in bearing engagement with said legs within said holes, one end of each of said springs being fixed with respect to the leg it engages, and the other end of each of said springs being fixed with respect to said body, whereby each of said springs is tensioned and untensioned within the top portion of the leg it engages, during the swinging of said leg.

2,275,048
HANDRAIL FOR MOVING STAIRWAYS

Otto Hohnecker, Toledo, Ohio, assignor to The Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio

Application October 2, 1940, Serial No. 359,315
7 Claims. (Cl. 198—16)



1. In a moving stairway comprising a hand rail with a longitudinal recess, a chain in the recess and means to drive the chain, projections driven by the chain and projecting into and driving the hand rail, said projections extending in the plane of the pivots of the chain.

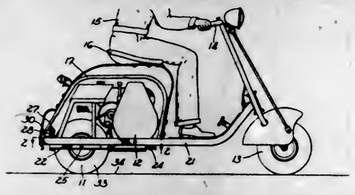
2,275,049
POLISH

Edwin W. Keller, Allentown, Pa.

No Drawing. Application April 15, 1940, Serial No. 329,723
7 Claims. (Cl. 106—3)

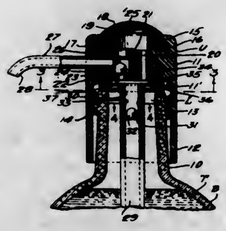
1. A stable, indefinitely-keeping, aqueous liquid polishing composition, comprising finely divided, abrasive silica; sodium silicate, substantially unreactive toward the silica, as a detergent; and finely divided calcium sulfate, for preventing hard caking of the silicate with the silica when the composition is allowed to stand and settle.

2,275,050
SUBFRAME FOR MOTOR VEHICLES
Howard B. Lewis, Venice, Calif., assignor to Salsbury Corporation, Los Angeles, Calif., a corporation of California
Application November 12, 1940, Serial No. 365,146
1 Claim. (Cl. 180—32)



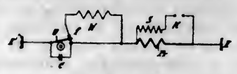
In a motor vehicle having a driving wheel which is driven by a motor through suitable mechanism, the combination of: a main frame; an auxiliary frame near the forward end of which said motor is supported and near the rear end of which the axle of said wheel is journalled; bolts passing through said auxiliary frame and said main frame near the forward end thereof; rubber washers on said bolts between said main frame and said auxiliary frame; studs attached to said auxiliary frame and passing through gusset plates on said main frame; helical compression springs carried on said studs between said gussets and said auxiliary frame; nuts, each threaded on the upper end of one of said studs; and helical compression springs carried on said studs between said gusset plates and said nuts.

2,275,051
DISPENSING DEVICE
Frank H. Maloney, Elmhurst, Long Island, N. Y., assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y., a corporation of New York
Application September 29, 1938, Serial No. 232,327
11 Claims. (Cl. 221—85)



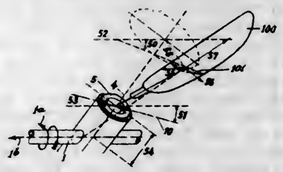
1. A device for dispensing fluid comprising in combination, a cap member provided with two passages extending from its upper to its lower surfaces, a vertically arranged tube having its upper end in communication with said passages and its lower end immersed in the fluid, a valve arranged to permit the passage of fluid upwards through one of said passages and to prevent the passage of fluid in the reverse direction, a horizontal discharge tube having its end in communication with said one passage, and a resilient member connected to said cap member above the level of the fluid and extending above the other of said passages whereby compression of said resilient member displaces a portion of the air contained in said other passage.

2,275,052
MAGNETO
Walter Ochsenbein, Berne, Switzerland, assignor to Hasler A.-G. Werke für Telephonie & Präzisionsmechanik, Berne, Switzerland
Application October 5, 1940, Serial No. 359,867
In Switzerland October 7, 1939
2 Claims. (Cl. 171—209)



2. In an ignition system for a multipole magneto, the combination of a primary circuit connected to the magneto and including a fixed contact and in series with said fixed contact a condenser connected to ground, a movable contact connected to ground and normally cooperating with said fixed contact to short-circuit said primary circuit across said condenser, a cam disc shaped to displace said movable contact and to break the direct connection of said primary circuit to the ground every time a spark is to be produced for the duration of at least a half flux wave in the magneto, and a normally open shunt circuit connected in said primary circuit and including a resistance and a second fixed contact arranged for cooperation with said movable contact when the latter has been displaced by said cam, whereby said shunt circuit is closed after each breaking of the direct connection between said primary circuit and the ground.

2,275,053
VARIABLE PITCH PROPELLER FOR AIRCRAFT
Hans Reissner, Berlin-Charlottenburg, and Manfred Christian, Berlin-Reinickendorf, Germany
Application July 9, 1938, Serial No. 218,276
In Germany August 27, 1936
15 Claims. (Cl. 170—164)



1. A variable pitch propeller for aircraft, comprising a hub, a plurality of blades, bearing means for each blade including a thrust bearing mounted on said hub and supporting the blade for rotary movements about an axis fixed with respect to and radial of said hub, and a pivot bearing cooperating with said thrust bearing and permitting movements of the blade without change of pitch about only one transverse axis extending at substantially right angles to the centroid line of the blade and at substantially right angles to said radial axis and being spaced a predetermined distance from the axis of the hub, said pivot bearing being freely turnable with respect to the hub about said radial axis, said blades being constructed and arranged to cause rotary movements of said pivot bearing about said radial axis under the influence of aerodynamic and centrifugal forces, and connecting means between each pivot bearing and blade determining the angle of the blade face relative to the transverse tilting axis of the blade.

2,275,054
ELECTROLYTIC PRODUCTION OF LEAD SULPHO-CHROMATES
Stephen W. Stockdale, Hammond, Ind., and Elbert F. Weaver, Calumet City, Ill., assignors to International Smelting and Refining Company, a corporation of Montana
Application July 18, 1939, Serial No. 285,104
3 Claims. (Cl. 204—89)

1. The method of producing a lead sulphochromate product electrolytically which comprises passing an electric current through a bifluid electrolytic cell comprising a lead anode, an anolyte containing a substance capable of serving during electrolysis as a solvent for lead, a diaphragm, a catholyte comprising an aqueous solution of sodium sulphate and sodium chromate, and an insoluble cathode, and controlling the chemical composition and physical characteristics of the sulpho-chromate product by maintaining in the catholyte sodium sulphate in an amount equal to about 1% to 3% by weight Na_2SO_4 and sodium chromate in an amount equal to about 2.5% to 3% by weight Na_2CrO_4.

2,275,055
MAGAZINE PENCIL
Emil Watzlawik, Budweis, Czechian Protectorate, assignor to L. & C. Hardtmuth, Inc., Bloomsbury, N. J., a corporation of New Jersey
Application November 9, 1940, Serial No. 364,972
In Germany February 20, 1940
5 Claims. (Cl. 120—17)



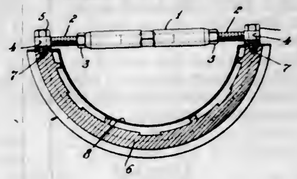
3. A magazine pencil comprising a casing, a press-cap movable axially to the casing, a point body movable with the press-cap and having a passage therein through which a writing lead can only pass with friction, a lead guide-tube and lead magazine movable within the casing and having at one end lead clamping means extending into the point body and having its opposite end engageable by the press-cap, and a clamping device having latching means adapted for controlling the lead clamping means when the press-cap is depressed and released, the parts being so correlated that when the press-cap is depressed a predetermined distance relative to the casing and released, the writing lead will be forced through the passage in the point body and held in writing relation, and when the press-cap is depressed a different predetermined distance and released, the writing lead will be withdrawn from the passage in the point body.

2,275,056
BUILDING CONSTRUCTION
Alfred N. White, San Diego, Calif.
Application December 2, 1938, Serial No. 243,549
8 Claims. (Cl. 72—48)



6. In a building construction of the class described, the combination of a pair of spaced plastic material slabs, means for connecting said slabs including metallic members provided with laterally extended oppositely disposed prongs embedded in said slabs, wire strands secured to said prongs and building paper positioned on said prongs and secured thereto by bending some of said prongs.

2,275,057
APPARATUS FOR BABBITTING OR LINING BEARING SHELLS
Dorval dos Reis, Rio de Janeiro, Brazil
Application August 26, 1939, Serial No. 292,032
1 Claim. (Cl. 22—203)



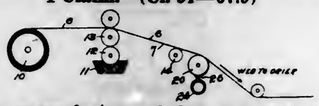
The combination with a bearing shell having a plurality of apertures along the longitudinal edges thereof, of means for immobilizing the sides of said shell during the lining operation, said means comprising a plurality of rigid, adjustable struts firmly connected to opposite sides of said shell whereby the distance between the sides of said shell will be constant and distortion avoided irrespective of expansion or contraction of the lining metal said struts comprising a turnbuckle having oppositely screw-threaded tie rods, said tie rods having eyes registering accurately with said apertures and bolts snugly engaging said eyes and said apertures.

2,275,058
ANCHORING DEVICE
Arthur M. Draving, Feasterville, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 3, 1939, Serial No. 277,205
7 Claims. (Cl. 85—36)
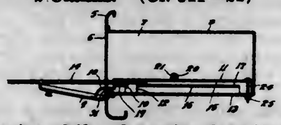


2. A fastener comprising a sheet metal body portion, an annular series of radially disposed integral resilient tongues on said body portion having their free ends spaced from each other to provide an aperture, and a tooth having a pointed end formed on the free end of each tongue.

2,275,059
MANUFACTURE OF DRY-GUMMED FLEXIBLE SHEET MATERIAL
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application November 25, 1938, Serial No. 242,171
1 Claim. (Cl. 91—67.9)



In the manufacture of dry-gum-coated paper and like flexible web and strip material subsequently to be rendered adhesive for use, the process which comprises conducting from a supply a base web of such material, applying gum coating to at least one face of the web, further advancing the coated web prior to dry-hardening of its gum coating, providing gum-embossing formations of selected area and contour and moving them adjacently to a coated face of the web in the direction of the web advance and at substantially the same linear speed, establishing and maintaining a wetted condition for the embossing formations to avoid adherence of gum thereto, tensioning the advancing web in a manner biasing its adjacent coated face toward the embossing formations and thereby effecting pressing contact of the latter with the gum coating while it is in semi-fluid condition so as to form corresponding embossed areas solely in and but partially through the coating, and continuing the advancing travel of the web and drying its gum coating while prominently retaining said embossed areas in it for adhesive efficiency improving and marking purposes.

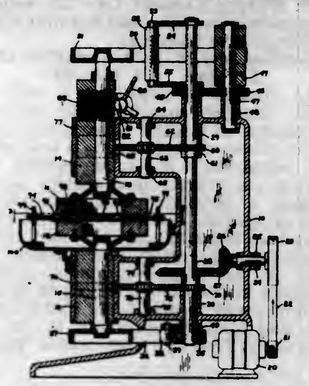
2,275,060
TABLE
Raymond W. Griffin, Hartford, Conn.
Application January 9, 1939, Serial No. 250,080
2 Claims. (Cl. 311—21)



1. A device of the character described adapted to be contained within a compartment; said device comprising a plate having legs for supporting said plate upon the floor of said compartment, flanges bent inwardly from the edges of saidp late to provide grooves thereunder, a table slidably mounted in said grooves, extensions on said flanges, stop means on said table adapted to engage said extensions and thereby limit the movement of said table in said grooves, and means for securing said plate in position within said compartment.

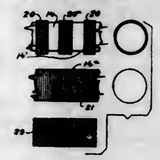
2,275,061
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 8, 1939, Serial No. 255,298
3 Claims. (Cl. 51—117)

1. In a lapping machine having a base, opposed rotatable lapping elements supported thereby, means relatively to move said elements toward or from each other, driving means to rotate said elements about one axis, driving means simultaneously and positively to revolve said elements about an axis eccentrically disposed relative to the axis of rotation during rotation thereof, a freely rotatable work cage between said



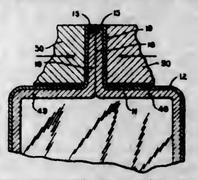
elements, and means including a fixed guide plate having a cylindrical aperture which surrounds said cage to prevent lateral movement thereof.

2,275,062
PLATE PRINTING
Myron A. Lathey, Ottawa, Ontario, Canada
Application March 19, 1941, Serial No. 384,185
In Canada December 10, 1940
3 Claims. (Cl. 101—170)



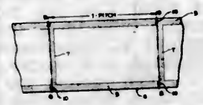
3. For undersurface printing from plates in more than one color, the hereindisclosed process of superimposing a second color ink over and about the first.

2,275,063
CONTAINER AND METHOD OF MAKING THE SAME
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application August 17, 1937, Serial No. 159,505
2 Claims. (Cl. 229—55)



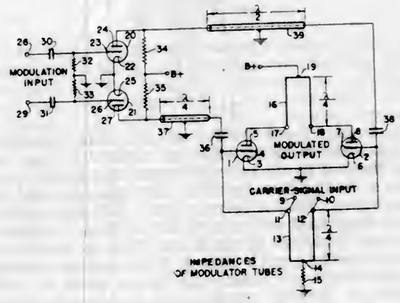
1. A container comprising a tubular body made from a laminated blank having fibrous and foil laminations, the raw edges of said fibrous lamina at opposed ends of said blank being impregnated with a moisture-repellent substance and said ends being overlapped and joined together by a thermoplastic lacquer having adhesive properties.

2,275,064
METHOD AND APPARATUS FOR FEEDING, REGISTERING, AND CUTTING WEB MATERIAL
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application August 23, 1938, Serial No. 226,218
21 Claims. (Cl. 271—2.4)



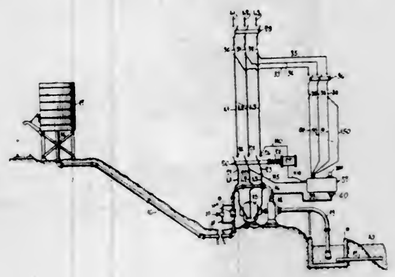
1. Apparatus for feeding and registering material from a reel comprising first and second primary feeding rollers, a frame mounted for pivotal movement about the axis of said second primary feeding roller, a secondary feeding roller carried by the outer end of said frame, a leading roller intermediate the second primary feeding roller and the secondary feeding roller for guiding a slack loop of material, means for driving said feeding rollers in unison, means for oscillating said frame, and pins on the periphery of said secondary feeding roller for engaging perforations in said material.

2,275,065
MODULATION SYSTEM
Arthur L. Nelson, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application October 19, 1940, Serial No. 361,815
11 Claims. (Cl. 179—171.5)



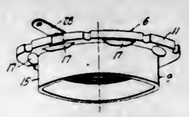
2. A signal modulating system comprising signal-repeating means having input and output terminal means, means for applying a carrier signal to said input terminal means, a pair of impedance means adapted to be varied in opposite phase in accordance with a modulating signal, means for connecting one of said varying impedance means without inversion of the impedance thereof to said input terminal means, means for connecting the other of said varying impedance means with inversion of the impedance thereof to said input terminal means, and an output circuit connected to said output terminal means for developing therein a modulated carrier signal.

2,275,066
AUTOMATIC PUMP CONTROLLER
Marion A. Otterbourg, Charlotte, N. C.
Application February 18, 1941, Serial No. 379,404
8 Claims. (Cl. 103—25)



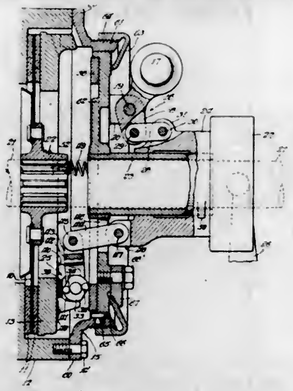
1. Apparatus for maintaining a liquid level in a tank between a predetermined low level and a predetermined high level, comprising a pump and a pipe line between the pump and the tank, and electric motor for driving the pump, means operable by a predetermined low pressure for starting the motor, means rendered active by the starting of the motor for maintaining the motor energized for a predetermined time after the starting thereof, means for stopping said motor for a predetermined time interval upon the failure of the pump to pick up water, and means for again starting and maintaining the motor and pump in operation for a second predetermined interval.

2,275,067
SEALING TAG FOR BUNGHOLE CLOSURES
Richard S. Rheem, Orinda, Horace C. Brown, Berkeley, and Arthur J. Allen, Richmond, Calif., assignors, by mesne assignments, to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application June 28, 1937, Serial No. 150,788
2 Claims. (Cl. 220—39)



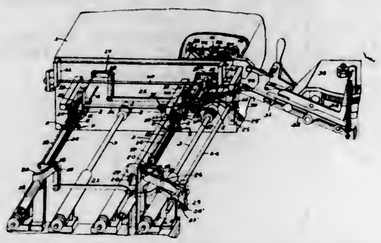
1. In structure of the character described, the combination of a bung hole flange for a metal container, said flange being provided with a recess extending inwardly from the outer periphery thereof, with a seal anchoring tag, said tag having a portion with a notched edge seated in said recess and a portion remote therefrom provided with a sealing wire receiving eyelet, the portions of said bung hole flange defining the sides of said recess being swaged over and against said notched edge of said tag and partly over the outer face of the same with some of the material of said portions filling the notch and forming a locking engagement between said tag and the side wall of said recess, whereby said tag is located against movement in any direction.

2,275,068
FRICTION CLUTCH
Carl A. Ruesenberg and Joseph Patkus, Rockford, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1939, Serial No. 272,092
11 Claims. (Cl. 192—105)



8. In a friction clutch, a pressure plate, a cover plate, and means for spreading said plates, said means including a plurality of circumferentially spaced cushioning elements carried by the pressure plate, cam devices interposed between the cover plate and the pressure plate, in engagement with the cover plate and said cushioning elements, and means for rotating said cam devices to effect spreading movement between said cover plate and said pressure plate.

2,275,069
BUNCH BUILDER ATTACHMENT FOR WINDING MACHINES AND THE LIKE
Hans Treckmann, Wuppertal, Germany
Application June 14, 1939, Serial No. 279,214
12 Claims. (Cl. 242—27)



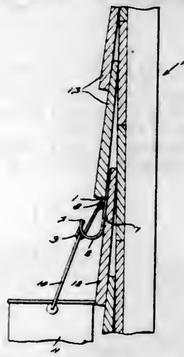
1. In a bobbin winding machine the combination comprising, reciprocating means including a traverse bar, a thread guide, a carrier for the thread guide adapted and arranged to have a direct traversing connection with said traverse bar for obtaining a lay of yarn upon a bobbin or be disconnected from said traverse bar, means for disconnecting said carrier from said direct traversing connection with said traverse bar, and means whereby said carrier will be actuated by said traverse bar through an indirect traversing connection therewith for obtaining a lay of yarn to form a bunch on the bobbin when said carrier is disconnected from said traverse bar as aforesaid.

2,275,070
ALUMINUM-BERYLLIUM ALLOY
Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1940, Serial No. 327,245. In Italy June 30, 1937
5 Claims. (Cl. 148—21.1)

1. A process for improving the physico-mechanical properties of alloys of beryllium with aluminium consisting in introducing into aluminium-beryllium alloys containing beryllium in a proportion of about 1 to 3%, manganese in a proportion from a trace up to 2%, the balance being substantially all aluminium, heating the alloys so constituted at a temperature of about 470 to 515° C., then cooling the same rapidly and subjecting them to an annealing treatment producing the reprecipitation of the hardening constituent diffused in the alloys.

3. An aluminium-beryllium alloy containing beryllium in a proportion of about 1 to 3% and as a metallic substance acting as a diffusing, solubilizing and homogenizing agent for beryllium, manganese in a proportion from a trace up to 2%, the balance being substantially all aluminium.

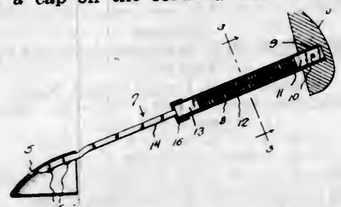
2,275,071
PAINT POT HOLDER
James W. Austin, East Jaffrey, N. H.
Application January 31, 1941, Serial No. 376,890
4 Claims. (Cl. 248—217)



2. A paint pot holder of the class described comprising a longitudinally elongated bar, one end thereof being tapered and sharpened to provide a wedge-like element, the opposite end being formed into a return bend defining a hook, the bill of said hook being bifurcated, the intermediate portion of said bar having anchoring and retention teeth struck from opposite longitudinal edge portions, said teeth being at right angles to the bar proper and disposed in directions opposite to said hook.

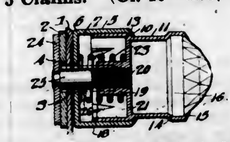
2,275,072
SHOE FORM
James B. Bradshaw, Columbus, Ohio
Application April 16, 1940, Serial No. 329,973
1 Claim. (Cl. 1—128.1)

A longitudinally expansible shoe form comprising a sheet metal toe piece, a heel piece, and a yieldable collapsible device connecting said toe and heel pieces, said heel piece comprising a vertically elongated block having a non-circular recess in the forward side thereof, said device including a tube of non-circular cross section having one end fitted within said recess of the heel piece, a plug fitted in said end of the tube, a plunger slidably fitted in the other end portion of said tube and having a rod projecting forwardly therefrom, the forward end of said rod being fastened rigidly to the top of said toe piece, and a helical compression spring arranged in said tube and having its opposite ends respectively abutting said plug and said plunger whereby to yieldingly maintain the plunger in a forward position, a cap on the forward end of said tube



having a central opening through which said rod slidably extends and constituting a stop to limit the forward movement of said plunger, said plunger being of non-circular cross sectional form corresponding to that of the tube whereby rotation of the plunger relative to the tube is prevented to maintain the toe and heel pieces properly related at all times, and a pin passing transversely through the heel piece and the tube and the plug to secure the tube in the heel piece and the plug in the tube.

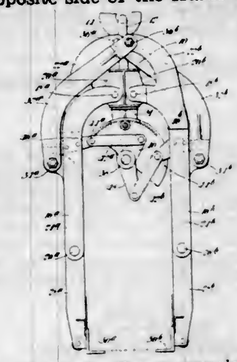
2,275,073
LICENSE PLATE HOLDER AND LOCK
William F. A. Buehner, New York, N. Y.
Application November 27, 1940, Serial No. 367,472
5 Claims. (Cl. 40—125)



1. An automobile license plate holder and lock comprising a back plate having a mounting bolt receivable through aligned openings of a license plate and mounting bracket and provided with a locking prong offset laterally from and extending substantially parallel with the bolt and also receivable through the aligned openings of the license plate and bracket, a cover having openings therethrough adapted to loosely receive said locking bolt and locking prong portions, a locking shell rotatable within the cover adapted to be turned and tightened upon the locking bolt and having parts adapted to engage the locking prong to hold said shell against being reversely turned and loosened, said shell being mounted for limited endwise movement within the cover, and a spring resiliently urging the cover into extended position.

2,275,074
LIFTING DEVICE
Arthur Robert Carr, Gary, Ind.
Application July 14, 1941, Serial No. 402,347
3 Claims. (Cl. 294—113)

1. A sheet lifting device of the character described comprising a vertically movable frame, hangers pivoted thereon having respective arms disposed above and below the pivots thereof, means carried by the frame effective to swing the hangers toward or from one another, respective suspension members pivotally secured to the lower arms of the hangers, sheet supports secured to the lower portions of the suspension members, and means operatively connecting suspension members on one side of the frame with hangers on the opposite side of the frame designedly intended to maintain the suspension members in substantially vertical position and to maintain the sheet supports in substantially horizontal position regardless of the position to which the suspension members are moved in normal operation for engagement with stacks of sheets of different widths.



2,275,075
PROCESS FOR REFINING AND OBTAINING VALUABLE PRODUCTS FROM TALL OIL
Frederick H. Gayer and Charles E. Fawkes, Chicago, Ill., assignors to Continental Research Corporation, Chicago Heights, Ill., a corporation of Illinois
No Drawing. Application October 18, 1937, Serial No. 169,655
5 Claims. (Cl. 260—97.5)

1. A process of obtaining valuable products from tall oil which comprises subjecting crude tall oil to refining treatment at a temperature near or below atmospheric with approximately 1 to 2% of hydrogen chloride by weight of the tall oil to form a granular readily filterable precipitate, filtering off the resultant precipitate and treating it with alcohol to selectively dissolve and separate coloring impurities from phytosterol contained therein, separating the solvent solution and treating the undissolved material to recover therefrom by crystallization purified phytosterol as a product of the process.

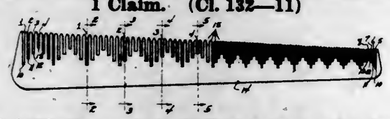
2,275,076
FISHING FLOAT
Gerard Michael Haynes, Eagle Rock, Calif.
Application August 21, 1939, Serial No. 291,254
1 Claim. (Cl. 43—49)



A fishing float comprising continuous inner and outer transparent shells spaced apart to provide a fluid tight chamber therebetween, which chamber contains a quantity of colorless liquid for moistening the inner walls of the chamber, the shells and the contained liquid providing a float having a specific gravity slightly greater than water whereby the float will normally as-

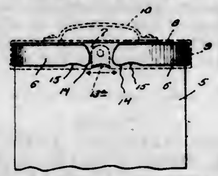
sume a position slightly below the surface of the water and be rendered substantially invisible thereby.

2,275,077
BARBER'S COMB
Howard L. Higgins, Leesburg, Ohio
Application October 8, 1941, Serial No. 414,201
1 Claim. (Cl. 132—11)



A barber's comb including a back and teeth, there being kerfs between the teeth terminating at the inner ends in respective straight edges which are parallel and stepped or staggered, the teeth being arranged in groups of four or more and the stepped or staggered inner ends of the kerfs producing shorter teeth at the center of the group than at the ends of the group.

2,275,078
RECEPTACLE
John Hollis, Tulsa, Okla.
Application March 29, 1940, Serial No. 326,781
2 Claims. (Cl. 220—40)



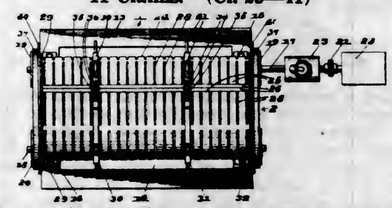
2. An ice-cream can or like receptacle comprising a cylindrical can body, a pair of arcuate relatively thick reinforcing strips secured on the upper end of the can body exteriorly of the latter and with the adjacent ends thereof in spaced relation at opposite sides of the body, a lid for the can body having a marginal rim provided with notches in the lower edges thereof at opposite sides of the same, and angular fasteners having vertical upper portions secured to opposite sides of the rim exteriorly of the latter and including vertically yieldable lower end portions extending inwardly through said notches, the lower ends of the fasteners being adapted to pass between the adjacent ends of said arcuate strips and to engage under the lower edges of the latter when the cover is turned relative to the can body, said arcuate strips having arcuate recesses in the lower edges thereof near the ends of the same, the lower ends of said fasteners being of arcuate cross section and adapted to snap into the last-named recesses.

2,275,079
BRAKE
George E. Ingram, Chicago, Ill.
Application February 15, 1941, Serial No. 379,014
5 Claims. (Cl. 188—5)



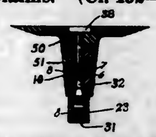
1. A vehicle brake comprising a pair of hangers pivotally suspended from the chassis of a vehicle; a shaft connecting the free ends of said hangers; a serrated wheel rotatably mounted on said shaft; a brake drum rigidly mounted on said wheel; braking means for engaging said drum; a pedal operatively connected to said shaft for moving the wheel into contact with a road surface; said pedal being connected to said braking means to operate the same to resist rotation of said wheel; a pair of latches pivotally suspended from said chassis for engaging the said shaft to normally prevent contact of said wheel with said road surface; and means operated by said pedal and connected to said latches for disengaging the same from shaft.

2,275,080
MACHINE FOR MAKING CONCRETE CASINGS
William Kelly, Grand Island, Nebr.
Application April 17, 1941, Serial No. 389,057
11 Claims. (Cl. 25—41)



1. A casting machine for producing an inwardly flared entrance opening in a moldable substance, said machine comprising a container having a space for the substance in plastic form, said container having at least one slot which conforms substantially to the dimensions of the entrance opening, and a core filling the slot and extending into the substance-space, said core including an outwardly bent lip to form the flare and being of plural parts to enable progressive abstraction of the parts through said slot from the entrance opening when the substance has set.

2,275,081
VALVE STEM
Charles Edgar Maynard, Northampton, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1939, Serial No. 287,755
11 Claims. (Cl. 152—429)

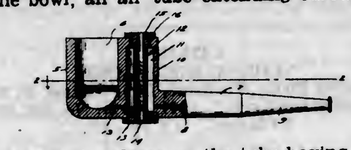


1. A valve stem, for pneumatic tubes and the like, composed entirely of molded heat-set plastic material and including a stem portion and a base portion, said stem portion being provided with a valve receiving bore formed in the material of the stem which extends from the free end of the stem portion to and through the base portion and means formed in and integral with the wall of the bore for releasably securing a valve mechanism in the bore.

2,275,082
SMOKER'S PIPE
George McCullough, Akron, Ohio
Application August 5, 1941, Serial No. 405,531
1 Claim. (Cl. 131—195)

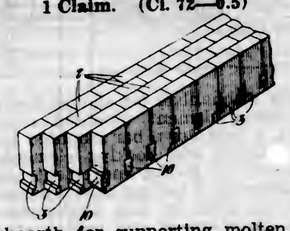
A smoker's pipe comprising a bowl, a stem, a smoke duct extending from the bowl through the stem and a deflector on the stem for causing a vertically disposed upwardly and

downwardly deflection of the smoke path, said deflector consisting of a chamber on the side of the bowl, an air tube extending through the



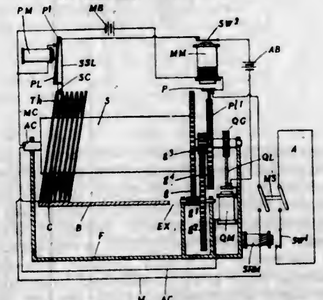
chamber and a sleeve on the tube having lateral partitions and terminating adjacent the upper end of the sleeve to afford a by-pass for smoke at the upper end of the chamber.

2,275,083
REFRACTORY BRICKWORK
William Rex McLain, Chicago, Ill.
Application August 10, 1939, Serial No. 289,509
1 Claim. (Cl. 72—0.5)



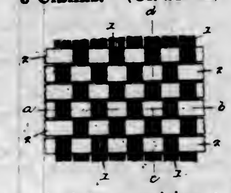
In a hearth for supporting molten metal, a single row of contacting, substantially identical rectanguar bricks similarly disposed in alignment, whereby the surfaces of the bricks of each row are substantially flush, a similarly formed and disposed single row of bricks in contact with, but staggered with respect to, said first-named row, the contacting surfaces of the bricks comprising each row having opposed rectangular recesses providing keyways extending at right angles to said row, and a rectangular key disposed to extend between each of the opposed rectangular recesses, the said opposed rectangular recesses being disposed remotely with respect to the surface of the hearth, whereby the major portion of the bricks of the hearth may be eroded by contact therewith of the molten metal without disturbing the keying provided by the keyways and keys aforesaid.

2,275,084
COIN-FREED MECHANISM
George Michaelson, London, England
Application April 1, 1940, Serial No. 327,287
In Great Britain April 1, 1939
10 Claims. (Cl. 194—6)



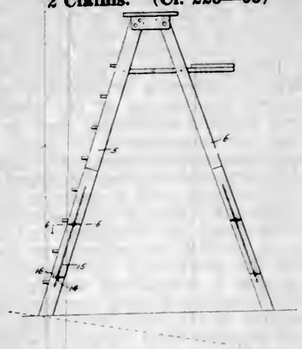
8. A coin freed mechanism comprising a coin chute, a coin receiving device disposed beneath said chute, said device being provided with a plurality of selectively engageable electric contact members spaced along a coin receiving zone of tapering form so that the contact engaged by any inserted coin is dependent upon the dimensions of the coin, and means for displacing a coin laterally with respect to said zone so that the displacement effected is dependent upon the contact engaged.

2,275,085
GASKET MATERIAL
Karl Michel, Stuttgart-Hofen, and Eugen Hutzenlaub, Stuttgart, Germany
Application June 19, 1941, Serial No. 398,852
In Germany September 13, 1939
3 Claims. (Cl. 28—1)



1. Gasket material comprising a fabric woven from round strands of metallic wool and substantially flat strands of thin metal, the said fabric having its pores filled with a solid flexible binding agent, the amount of said binding agent being insufficient to impart an appreciable amount of elasticity from itself to the gasket material, and the said fabric being held in compressed resilient condition by the said binding agent but being able to be further compressed when used, the said gasket material possessing resiliency practically wholly due to the woven strands of metallic wool.

2,275,086
LADDER
Sterling P. Moore, New Madrid, Mo.
Application July 25, 1941, Serial No. 404,069
2 Claims. (Cl. 228—63)



2. As a new article of manufacture, a ladder, each leg of which is provided on one face thereof with a corrugated surface, an extension for each leg of the ladder, each extension having a corrugated surface complementing the corrugated surface of its associated ladder leg for coaction therewith in securing the extension at the desired position of adjustment longitudinally relative to the ladder leg, each leg also having at least one

bolt extending laterally therefrom, and each leg extension provided with a slot accommodating the bolt and a nut threaded on the bolt and adapted to be threaded home against the extension to secure the extension at the desired position of adjustment with the corrugated surface thereof in engagement with the corrugated surface of the associated ladder leg, and spring fingers disposed above the corrugated surface of each leg and impinging on the extension for yieldably urging the extension laterally away from the ladder leg.

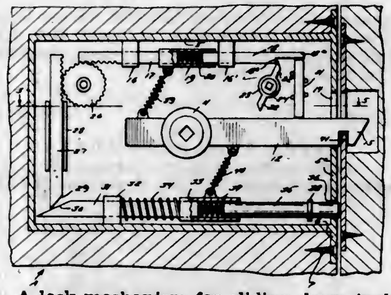
2,275,087
PROCESS OF MAKING BUILDING BLOCKS
Clinton W. Murchison, Dallas, Tex.
No Drawing. Application September 13, 1941, Serial No. 410,773
5 Claims. (Cl. 25—156)

2. A process of manufacturing building blocks, comprising the steps of mixing emulsified bitument, soil and water in predetermined proportions, the major portion of the soil consisting of particles of colloidal size, extruding the mixture in the form of blocks under sufficient heat and pressure to expel gas and vaporize the water, and finally drying the blocks for about twenty-four hours after such extrusion to cause rapid hardening of said blocks.

2,275,088
MANUFACTURE OF BESSEMER STEEL
Peer D. Nielsen, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
No Drawing. Application April 8, 1941, Serial No. 387,509
7 Claims. (Cl. 75—60)

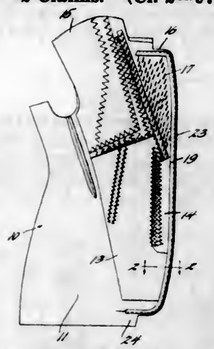
7. The process of preparing Bessemer steel for the production of seamless tubes, which comprises blowing in a converter a charge composed of from approximately 34,000 to 35,000 pounds of molten pig iron which will result in a sulphur content in the finished steel of less than 0.035 per cent, until the carbon content of the resulting steel is reduced to substantially 0.04 per cent, pouring the steel from the converter into a ladle until the ladle contains a small quantity thereof, adding approximately 18 pounds of petroleum coke to the said steel in the ladle, adding further quantities of steel and petroleum coke to the ladle, the said coke being added in three separate installments of approximately 18 pounds each, to effect a preliminary substantially complete deoxidation of the steel in the ladle, slowly pouring additional steel in a slow stream from the converter to the ladle, adding to the said ladle approximately 225 pounds of 80 per cent ferro-manganese, 70 pounds of 90 per cent ferro-silicon, and 65 pounds of aluminum, all additions being added to the stream of metal issuing from the converter and in such manner as to prevent entrapment in the ladle slag, timing the addition of the reagents to the pouring so that a substantial amount of steel remains in the converter after complete addition of the reagents to the steel in the ladle, interrupting the pouring upon complete addition of the said reagents, poling the steel in the ladle by introducing green saplings therein, and thereafter quickly pouring into the ladle the remaining steel from the converter to establish thorough mixing thereof with the steel in the ladle, the amount of petroleum coke and reagents being proportioned so as to control the carbon in the final steel to be from substantially 0.10 per cent to 0.50 per cent, together with from approximately 0.180 per cent to 0.230 per cent silicon, not more than substantially 0.035 per cent sulphur and not more than substantially 0.075 per cent phosphorus.

2,275,089
SLIDING DOOR LOCK
Charles Pirtz, Woodside, Long Island, N. Y.
Application April 2, 1941, Serial No. 386,529
5 Claims. (Cl. 70—99)



1. A lock mechanism for sliding doors including a locking element mounted for rotative movement, a hold-down bar mounted for sliding movement above said locking element, a lock bar mounted for sliding movement above said locking element and having an end normally projected in the path of said hold-down element above the upper end of said hold-down element, and an actuating mechanism for and connected with said lock bar and operable incidental to the opening and closing of the door for projecting and retracting said end of the lock bar into and out of the path of said hold-down element.

2,275,090
WEARING APPAREL
Raymond H. Reiss, Deal, and Robert J. Randall, East Orange, N. J., assignors to Reiss Manufacturing Corporation, Jersey City, N. J., a corporation of Delaware
Application June 14, 1941, Serial No. 398,148
2 Claims. (Cl. 2—97)



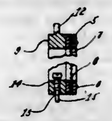
1. A garment comprising two facing plies having substantially registering edge portions stitched together to form an edge-seam, an intermediate ply between said first-mentioned plies and having its longitudinal edge spaced inwardly from said edge-seam to be free therefrom, a reinforcing tape having an outer soft and flexible non-adhesive longitudinal edge portion stitched into said seam and an inner longitudinal edge portion projecting from the seam so as to overlap the edge of the intermediate ply, the inner longitudinal edge portion of the tape having applied thereto an adhesive material adhesively uniting the same to the longitudinal edge portion of the intermediate ply, the application of the adhesive being substantially confined to the surface of the tape portion that overlaps the intermediate ply so as to adhere only to the overlapped portion of the intermediate ply, and the edge stitched into the seam being free of adhesive to maintain the edge of the seam soft and pliable.

2,275,091
PACKAGE OPENING DEVICE
Cecil A. Reynolds, Rockwell City, Iowa
Application June 29, 1939, Serial No. 281,978
3 Claims. (Cl. 229—51)



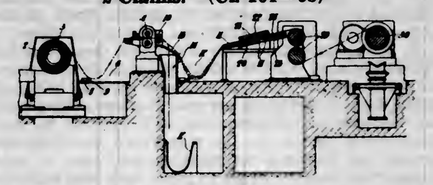
1. An opening device for a package of the character described, wherein there are formed inturned overlapping flaps, comprising a flat plate of rigid material and of rectangular outline having three of its four sides serrated or toothed, the plate having a width substantially equal to the interior thickness of the package and a depth less than the width of the package, means forming an integral part of the plate formed to engage over an edge of a flap to secure the plate to the inner side of such flap, the plate being interposed in the closed package between the overlapping flaps and the contents of the package with the three serrated edges each lying in close proximity to a wall of the package, and means coacting with said first means and penetrating said flap for preventing movement of the plate in a direction to disengage it from the edge of the flap.

2,275,092
DETACHABLE SCREEN FOR AUTOMOBILES
Gustav Roedel, Camden, N. J.
Application August 10, 1940, Serial No. 352,148
1 Claim. (Cl. 156—14)



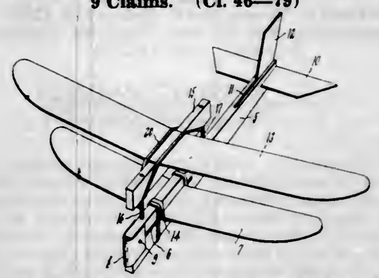
A window screen comprising a pair of inner and outer coextensive frames laterally secured together for comformably fitting within a window opening, screening material secured within the confines of the outer frame, and said inner frame adjacent one end thereof having an integral upstanding pivot pin at the top side of said inner frame, and also having in the bottom side thereof and in substantial alignment with said integral pivot pin a through threaded opening, a pivot screw having a threaded fit in said opening for coaction with said pivot pin and pin-accommodating openings in a window frame for pivotally mounting said screen within the window frame; a spring-projected catch embodying a housing mounted in an end member of the inner frame, and an angular bracket secured to said end member of the inner frame at the side of said member remote from the outer frame and provided with a knob to facilitate manual swinging movement of said screen.

2,275,093
METHOD AND APPARATUS FOR MANUFACTURING STRIP
Earl D. Spangler, Gary, Ind.
Application January 15, 1941, Serial No. 374,596
2 Claims. (Cl. 164—65)



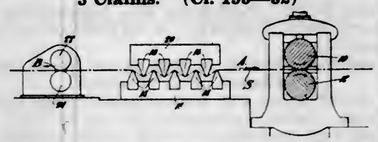
2. Apparatus for manufacturing magnetic strip comprising means for slitting a coil of substantial width into a plurality of strips of lesser width, means for accumulating portions of each of the slit strips in an untensioned state, magnetic means for restraining the forward movement of the slit strips, means for pulling the slit strips from said magnetic means, said last-named means comprising a pair of spaced-apart rolls, and means for coiling the slit strips on a single mandrel.

2,275,094
TOY BIPLANE
George M. Taylor, Wakefield, Mass., assignor to Paul K. Guillow, Wakefield, Mass.
Application April 30, 1940, Serial No. 332,519
9 Claims. (Cl. 46—79)



1. An airplane toy comprising a body, a lower plane secured to said body, a bar adjustably connected to the body with provision for changing the angle between its longitudinal dimension and that of the body, and an upper plane secured to said bar.

2,275,095
METHOD AND MEANS FOR LEVELING AND HARDENING THIN GAUGE METALS
Herbert V. Thaden, Mount Lebanon, Pa.
Application July 5, 1939, Serial No. 282,918
3 Claims. (Cl. 153—32)

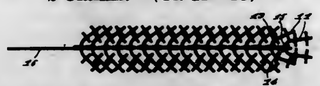


1. The improved method herein described of processing solid thin gauge ferrous metal sheets or strip material which consists in sequentially bending all portions of the material over fixed sharply curved teeth first in one direction, then in the opposite direction to thus simultaneously apply a tension and a compressive stress to the fibers at spaced portions of the material, the

shape of the undulations formed in the material and the sharpness of the bends at spaced points being such as to stress the material beyond the yield strength thereof and to work harden said material and deform the grains so that they attain an equi-axed grain structure as distinguished from the normal elongated axed structure effected by conventional rolling practice.

3. An apparatus of the character described for flattening and cold working strip or sheet material comprising opposed sets of spaced teeth of equal height defining an active pass with peaks and valleys of uniform height from end to end, supporting means for the respective sets of teeth, means for varying the relative positions of said supporting means so as to thus vary the altitude between said peaks and valleys, means for pulling the material through the active pass defined by said teeth, and means acting in a direction contrary to that of the pulling means for exerting a back tension on the material as it traverses the active pass, the sharpness of the teeth being such that when the material is bent thereover in an undulating path of particular altitude it is stressed beyond the yield strength thereof whereby the material is work hardened and the grains are deformed so that they attain an equi-axed grain structure as distinguished from the normal elongated axed structure effected by conventional rolling practice.

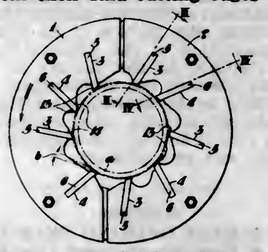
2,275,096
ARTIFICIAL PLANT
Herbert E. Thoms, North Hollywood, Calif.
Application May 10, 1941, Serial No. 392,985
2 Claims. (Cl. 41—13)



1. The method of forming artificial leaves consisting of severing the longitudinal wires of rectangular mesh hardware cloth between the transverse wires of the cloth, the centermost longitudinal wire being unsevered, directing a length of wire in spiral convolutions around said central wire, the said length of wire projecting beyond one end of the cloth to simulate a stem and being secured at the opposite end to the endmost transverse wire of the cloth, and deforming the transverse wires to substantially U-shape, the legs of successive U-shaped transverse wires increasing in their angular divergence from each other as the wires progress from the secured end of said length of wire toward the projecting end of said length of wire.

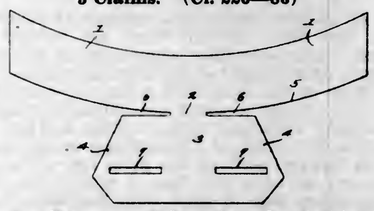
2,275,097
THREADING TOOL
Samuel Webb, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application March 7, 1940, Serial No. 322,851
7 Claims. (Cl. 10—120)

7. A threading tool for cutting threads having a flank thereof substantially normal to the thread axis, including a head having a series of chaser seats therein, a series of chasers having parallel flanks mounted in said seats, said chasers having cutting teeth of uniform profile throughout their lengths and including cutting edges for cutting said thread flank, the teeth of said chasers being of less thickness throughout than the distance between the teeth of the finished thread, the chaser flanks and said seats being related to impart an inclination to the teeth rearwardly from their said cutting edges to provide



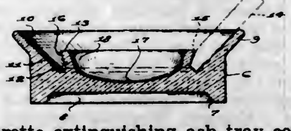
clearance between the teeth and the thread flank cut thereby.

2,275,098
COLLAR SUPPORT FOR SHIRTS
Ivy F. Welch, Sherman, Tex.
Application December 31, 1940, Serial No. 372,668
3 Claims. (Cl. 223—83)



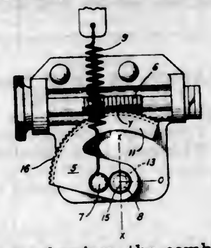
1. A collar support for a laundered shirt having a neckband with an attached collar including wings, said support including a bendable strip of stiffening material of a width substantially equal to the height of the neckband of a shirt, said strip being proportioned for insertion into the neck opening of a shirt, a stiffening guard member having spaced wing-receiving slots adjacent to the respective side portions thereof and closed at their ends, those portions of the guard between the free end thereof and the slots constituting means for overlying the tip portions of the collar wings and holding them against the front of the shirt, and a bendable web integral with and connecting the guard and strip, there being opposed slots between the guard and strip, positioned to receive the front free end portions of the collar of the shirt.

2,275,099
CIGARETTE EXTINGUISHING ASH TRAY
John S. Aubuchon, Farmington, Mo.
Application October 9, 1939, Serial No. 298,651
1 Claim. (Cl. 131—235)



A cigarette extinguishing ash tray comprising a block having a tapered groove with walls formed circumferentially in its top surface, said block also having a dished opening located centrally of said groove and extending deeper into said block than said groove, a flanged formed on the outer wall of said groove, said outer wall and said flange extending from said block at an upwardly and outwardly flaring angle, and an inner wall of said groove, said inner wall extending from said block at an outwardly and upwardly flaring angle, said inner wall and said outer wall being so arranged as to form said groove with an upwardly diverging taper, said tapered groove being so formed, with the inner wall substantially lower than the outer flange, as to receive only the lighted tip of the cigarette, whereby the remainder of the cigarette will be free of the groove.

2,275,100
GEAR FORMATION
Frank Burnett, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 8, 1939, Serial No. 283,491
2 Claims. (Cl. 74—440)

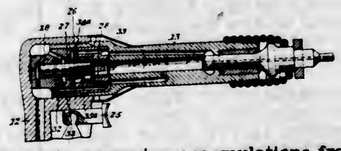


1. In a gear mechanism, the combination with a driving gear, of a driven gear having a hub portion whose axis of rotation is fixed, and a peripheral toothed portion integral with but movable radially of said hub portion by an amount sufficient to tend to hold said driven gear in firmer meshing relationship with said driving gear.

2,275,101
PRINTING INK AND PROCESS OF MAKING AND USING SAME
Carleton Ellis, Montclair, N. J.; Carleton Ellis, Jr., and Bertram Ellis and Bank of Montclair, executors of said Carleton Ellis, deceased, assignors to Ellis Laboratories, Incorporated, a corporation of New Jersey
No Drawing. Application November 16, 1938, Serial No. 240,859
3 Claims. (Cl. 260—37)

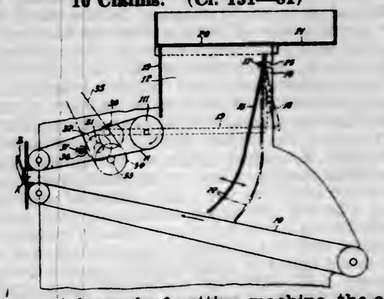
1. A fusible printing ink being solid at ordinary atmospheric temperatures comprising a pigment, sulphur and a plasticizer therefor consisting of a synthetic resin made by interaction of sulphur monochloride and cresylic acid, said ink being adapted while hot for printing on surfaces and drying and hardening of said ink being attained solely by cooling to atmospheric temperature.

2,275,102
TELLTALE HOLE OPENER FOR STAYBOLTS
Edward S. Fitz Simmons, Library, Pa., assignor to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware
Application August 24, 1940, Serial No. 354,052
1 Claim. (Cl. 121—10)



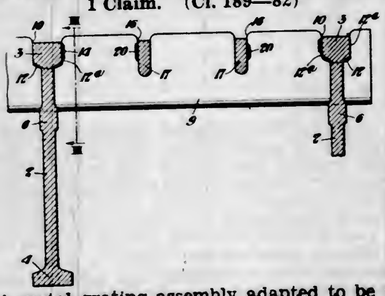
A device for removing accumulations from the tell-tale hole of a staybolt, comprising a barrel having a bore therethrough, a piston reciprocable in said bore, a valve controlling the admission of fluid under pressure to opposite ends of said bore from a pressure supply, whereby to reciprocate said piston, a drill in the end of said barrel so as to be subject to impact blows by said piston, and alined, restricted axial passages through said piston and drill, there being a restricted port in direct communication with the rear end of the bore and the pressure supply, whereby the passage through the drill is continuously open to the pressure supply during the shifting of the valve to reverse the movement of the piston.

2,275,103
TOBACCO LEAF-CUTTING MACHINE
Claiborne Watts Gooch, Jr., and Carol Bennett Rockhill, Richmond, Va., assignors to Molins Machine Company, Inc., Richmond, Va., a corporation of New York
Application November 23, 1938, Serial No. 242,098
In Great Britain July 8, 1938
10 Claims. (Cl. 131—81)



1. In a tobacco leaf cutting machine, the combination with a mouthpiece and conveying means for feeding leaf tobacco toward said mouthpiece, of means defining a passage through which leaf tobacco is fed to said conveying means, and means associated with said passage for intermittently applying pressure to the leaf tobacco in said passage in a direction transverse to the direction of movement of the leaf tobacco through said passage and simultaneously in the general direction of movement of said conveying means.

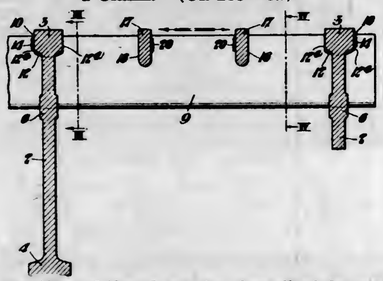
2,275,104
GRATING STRUCTURE
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 29, 1937, Serial No. 182,350
1 Claim. (Cl. 189—82)



A metal grating assembly adapted to be used as flooring for bridges, subway covers and the like, comprising a plurality of main bars arranged in spaced parallel relation, said main bars being provided with longitudinally extend-

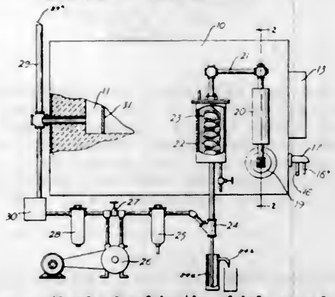
ing thickened portions intermediate their upper and lower longitudinal edges and with aligned apertures spaced from each other and from the upper and lower longitudinal edges of the bars, said apertures extending into said thickened portions, a plurality of transverse bars and a plurality of auxiliary longitudinally extending bars, said transverse bars being disposed to extend through the apertures of adjoining main bars, the upper edges of the assembled transverse bars being notched to conform to the section of said main bars above said apertures, said transverse bars being provided with substantially uninterrupted lower edges and being of such a height and the notches in the upper edges thereof being of such a depth that the upper edges of the assembled transverse bars will occupy a plane appreciably above the plane of the upper edges of said main bars, said transverse bars being provided with notches extending downwardly from their upper longitudinal edges and said longitudinally extending auxiliary bars being provided with notches in their lower longitudinal edges, and said longitudinally extending auxiliary bars being adapted to be received in the notches in the upper edges of said transverse bars and to receive said transverse bars in the notches in their lower longitudinal edges, the notches in said transverse bars and in said longitudinally extending auxiliary bars being of such depth as to position said longitudinally extending auxiliary bars below the upper edges of said transverse bars with the upper edges of the longitudinally extending auxiliary bars occupying substantially the same plane as the upper edges of said main bars, whereby the upper surface of said grating constitutes a plurality of open spaces rectangular in shape and of approximately uniform size, said size being equal in one direction to the distance between two adjacent transverse bars and in the other direction less than the distance between two main bars.

2,275,105
GRATING STRUCTURE
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 29, 1937, Serial No. 182,351
1 Claim. (Cl. 189—82)



A grating of the character described formed of a plurality of series of bars extending in intersecting relation, the bars of one series being of substantially I-shaped cross section and provided with longitudinally extending thickened portions in spaced relationship with respect to their head and foot portions, the web portion of said bars of I-shaped cross section having a plurality of spaced apertures extending into said thickened portion, a bar of a second series of said series of bars being inserted through each of said apertures, said second series of bars having their upper longitudinal edges notched to conform substantially to the section of the head portions of said first series of bars and being positioned relative to said first series of bars so that their upper longitudinal edges are below the plane of the upper edges of said first series of bars, the bars of said second series of bars being provided with a plurality of spaced notches extending downwardly from the upper edges thereof, and a third series of bars disposed parallel to the bars of said first series and received in said notches, said third series of bars having their upper faces disposed on a plane parallel with the plane of the upper edges of said first series of bars, whereby to form a grating having a plurality of rectangular shaped open spaces of a size equal in one direction to the distance between two adjacent bars of the second series of bars and less than the distance in the other direction between two adjacent bars of the first series of bars.

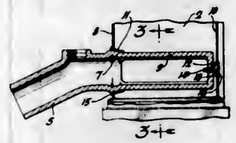
2,275,106
CIRCULATION OF HEAT TREATMENT ATMOSPHERES
Carl I. Hayes, Providence, R. I.
Application February 20, 1939, Serial No. 257,383
5 Claims. (Cl. 148—17)



1. The method of subjecting high speed steels and the like undergoing heat treatment in a heat treatment chamber to an enveloping atmosphere circulating in a flow cycle, comprising the steps of combusting combustible and oxygen supplying materials in a closed combustion chamber, obtaining gaseous products of combustion of predetermined specific constituency from said combustion, conditioning said products to remove water vapor, subjecting said conditioned products to external heat to bring them to about the temperature of the treatment chamber, conveying the heated conditioned products to the heat treatment chamber to provide an enveloping atmosphere for said steel and conveying at least part of the heated atmospheric products from the treatment chamber to the closed combustion chamber to commingle with the newly formed products of combustion therein so as to produce an unstabilized gaseous product which becomes stabilized when conditioned and raised to the temperature of the heat treatment chamber.

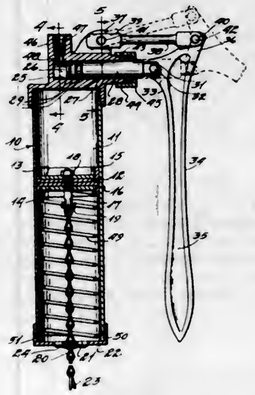
2,275,107
RADIATOR TANK FITTING
John Ralph Holmes, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 11, 1939, Serial No. 261,216
1 Claim. (Cl. 285—5)

In a radiator for engine cooling systems, a header comprising a tank having sheet metal walls spaced apart to define header space therebetween and means tying together and strengthening said sheet metal walls including a laterally projecting hose fitting having an extension inserted through the inner tank wall into engagement with the outer tank wall, an inwardly tapered seat on the fitting engaging a correspondingly tapered flange on the inner sheet metal



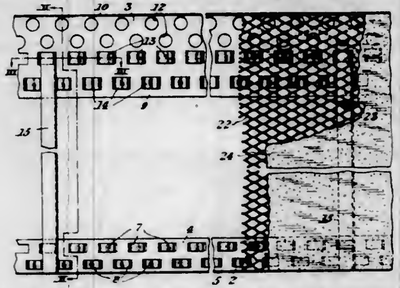
wall, means connecting said extension to the outer wall and holding the tapered seating surfaces tightly wedged against outward displacement and a soldered attachment bond between the tapered surfaces to hold the wall against inward collapse.

2,275,108
GREASE GUN
John Levanas, Cicero, Ill.
Application October 18, 1939, Serial No. 300,044
4 Claims. (Cl. 221—47.3)



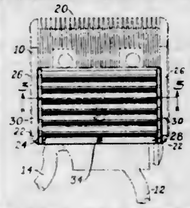
1. In a grease gun including a storage chamber, a pressure chamber transversely positioned relative to one end of said storage chamber and projecting substantially beyond the periphery of said storage chamber, a piston fitted within the pressure chamber and capable of reciprocating motion forwardly and rearwardly within said pressure chamber, the rearward motion of said piston toward the periphery of said storage chamber constituting a suction stroke of said piston and the forward movement a pressure stroke, and a port opening at one of its ends into said storage chamber at a point adjacent the periphery thereof and slanting outwardly beyond the periphery of said storage chamber to its other end opening into said pressure chamber, said port having a relatively large cross sectional area at its storage chamber end and a relatively small area at its pressure chamber end to facilitate the passage of grease from the storage chamber to said pressure chamber, said pressure chamber extending substantially beyond the pressure chamber end of said port to permit a long suction stroke of said piston in said pressure chamber beyond the last-mentioned end of said port.

2,275,109
BUILDING CONSTRUCTION
Richard T. McGee, Wheeling, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application June 2, 1939, Serial No. 277,003
3 Claims. (Cl. 72—115)



1. A structural member having a generally plane surface having projecting therefrom a plurality of rows of tongues each having a free end spaced from said surface to provide an open ended structural member receiving cavity with the tongues in one row staggered relatively to those in another row so that at least one tongue in one of said two rows and at least one tongue in the other of said two rows are adapted cooperatively to position another member relatively to the structural member.

2,275,110
HAIR CLIPPER
Philip Monti, Detroit, Mich.
Application August 5, 1938, Serial No. 223,260
9 Claims. (Cl. 30—196)

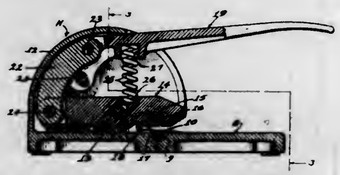


1. A cutter head for a hair cutting device having a bottom face adapted to bear upon and move along the surface of the skin as hair cutting operations are performed by the cutter head, said bottom face being countersunk substantially the entire width of the cutter head except for an integral marginal portion along each side of the cutter head, and a plurality of cylindrical rollers arranged in said countersunk region in closely assembled but slightly spaced parallel relationship and extending transversely to the usual direction of movement of the head during hair cutting operations, the cylindrical sides of said rollers projecting slightly from the plane of the bottom face of the cutter head and forming a relatively flat frictionless surface on the bottom of the cutter head for contact with the skin during hair cutting operations.

2,275,111
PAPER FASTENING AND CRIMPING PRESS
Norman S. Noll, Los Angeles, Calif.
Application July 4, 1939, Serial No. 282,834
4 Claims. (Cl. 93—1.1)

1. A paper fastening device comprising: a base

having a flat surface for receiving a plurality of sheets of paper in fastening position and a housing extended above said surface and provided at the sides thereof with apertures for said sheets, a multiple toothed crimping die mounted on said base with the teeth thereon disposed slightly above said surface, a lever pivotally supported in the sides of said housing above said surface, a multiple toothed crimping die carried by said lever in a position above and opposite the die



on said base, the teeth on said pair of dies being adapted to mesh when sheets of paper are disposed therebetween so as to deform and effect an interlocking of said sheets, an operating handle pivotally supported on said housing, and a link connecting the rear portions of said handle and said lever, whereby the depression of said handle will correspondingly depress the forward portion of said lever for operatively engaging said dies with said sheets of paper.

2,275,112

MANUFACTURE OF BUILT-UP BELLOWS

Leo C. Shippy, Lockport, N. Y., assignor to General Motors Corporation, a corporation of Delaware

Original application January 21, 1935, Serial No. 2,687, now Patent No. 2,145,376, dated January 31, 1939. Divided and this application January 13, 1939, Serial No. 250,843

6 Claims. (Cl. 113—1)



1. In the manufacture of built-up bellows, the operations of forming discs, stacking discs on a stand, spearing the stack of discs with a disc holder, transferring the stack of discs from the stand to a spinning machine by manipulation of the disc holder, holding the stack of discs in assembled relation in the spinning machine by means of the disc holder until the spinning operation is at least partially completed, transferring the spun together stack of discs to a soldering machine, and soldering the spun joints in the soldering machine.

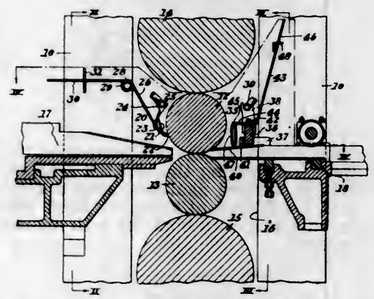
2,275,113

WIPER FOR ROLLING MILLS

Edward J. Simborg, Chicago, Ill., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,228

2 Claims. (Cl. 80—1)



1. A wiper for one of the rolls of a rolling mill including spaced housings, said wiper comprising a generally flat plate extending along the roll and substantially co-extensive therewith, the side of the plate adjacent to the roll being adapted to engage the roll edgewise, a pivot pin on each housing, spring levers each having one end thereof connected to the plate adjacent one end thereof, each lever being coiled about one of the pivot pins, said coils forming bearings for the levers as well as tension springs, and means for fixedly holding the other end of each lever at different positions to vary the pressure of the wiper against the roll.

2,275,114

PARACHUTE APPARATUS

Floyd Smith, Buffalo, N. Y., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y., a corporation

Application May 22, 1939, Serial No. 275,104

5 Claims. (Cl. 244—151)



1. In parachute harness the combination of lower body attaching straps, upper body attaching straps including front-shoulder straps adapted for disposal over the shoulders and at the front of the wearer, coupling means for connecting the ends of said front-shoulder straps with the lower body attaching straps including fastener parts slidable upon said front-shoulder straps, a parachute pack including a canopy, and means connecting the parachute canopy with the front-shoulder straps in such manner as to tighten the harness upon the wearer's body during a parachute drop by the slip pulling of the front-shoulder straps through said fastener parts.

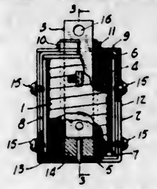
2,275,115

ELECTROMAGNETIC APPARATUS

Panfilo Trombetta, Milwaukee, Wis.

Application February 29, 1940, Serial No. 321,528

4 Claims. (Cl. 175—341)



4. An alternating current electro-magnet comprising an energizing winding having an axial opening therethrough, a movable plunger operable axially in said opening and constructed of relatively thin laminations of magnetically permeable material to provide a flux path of high capacity and low heat loss, and an outer frame member of relatively thick sheet metal of a width approximately as great as the diameter of the winding, encircling the winding in the plane of the laminations of the plunger and having an opening at one end for receiving the plunger, said frame having a large surface area and being disposed with its plane surfaces at substantially right angles to the plane of the plunger laminations and with said surfaces exposed to the air both inside and out for cooling the same, and the winding being free of confinement by said frame to allow the heat of the winding to be dissipated without hindrance from the heat developed in the frame.

2,275,116

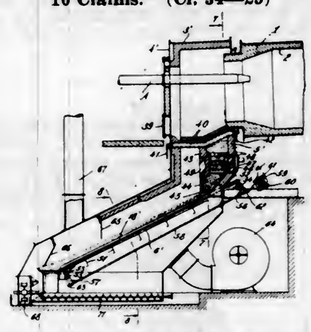
METHOD AND APPARATUS FOR TREATING GRANULAR OR POWDERED MATERIAL

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application June 23, 1939, Serial No. 280,714

In Great Britain October 3, 1938

10 Claims. (Cl. 34—25)



6. In a method of treating granular or powdered material by passing a gas transversely through a layer of the material, the improvement which comprises supporting the portion of the layer through which the gas is passed at an angle to the horizontal, applying impulses within the layer of material in a downward direction parallel to the inclined support, the angle at which the material is supported being so chosen that it is less than but close to the angle of repose of the material on the support, and said impulses being such that by and during each impulse said portion of the layer of material will start and continue to move as a whole on the support without substantial local relative movement between the particles of the material, and controlling the rapidity of said impulses in accordance with the thickness of the layer of the material on the support.

2,275,117

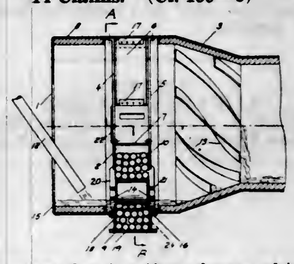
PROCESS AND APPARATUS FOR PREHEATING OR DRYING SLURRY

Mikael Vogel - Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application July 22, 1939, Serial No. 286,020

In Great Britain July 27, 1938

14 Claims. (Cl. 159—8)



1. A process for treating slurry which comprises maintaining a mass of relatively movable bodies, rotating said mass of bodies in a vertical plane at a speed such that the bodies move relative to one another during such rotation, spreading slurry over said mass of bodies as it rotates, and passing gases through the rotating mass of bodies over which the slurry has been spread in a direction transverse to that in which the mass of bodies is rotating.

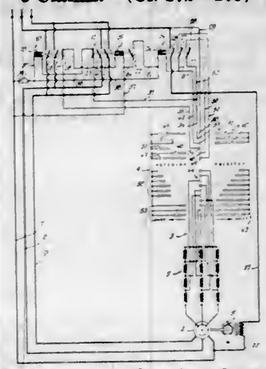
2,275,118

ALTERNATING CURRENT BRAKING CIRCUIT

Frank W. Wendelburg and Roy J. Wadd, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application October 26, 1940, Serial No. 362,986

5 Claims. (Cl. 172—179)



1. In a braking control system for wound rotor induction motors, the combination comprising a motor, a brake, a movable controller, said controller being provided with an "off" position, a zone for graduated degrees of counter-torque

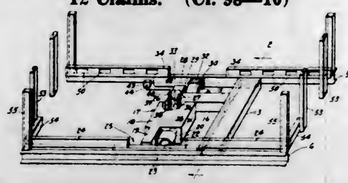
braking extending from said "off" position with the position of least counter-torque at the end of said zone remote from the "off" position and an adjacent zone for regenerative braking disposed at the remote end of said counter-torque zone; a switch responsive to connect said motor for counter-torque braking only after movement of said controller from the "off" position to the remote end of said counter-torque zone, a second switch rendered active only upon movement of said controller to said remote end of said counter-torque zone for causing release of said brake, means responsive to movement of said controller into said regenerative zone for connecting said motor for regenerative braking, and means in conjunction with said controller for maintaining said brake in released position and for preserving all of said braking positions active after movement to said remote end of said counter-torque zone and until said controller is moved to the "off" position.

2,275,119
CLIP CONSTRUCTION
William R. Wiley, Birmingham, Mich.
Application September 5, 1939, Serial No. 293,336
2 Claims. (Cl. 24—73)



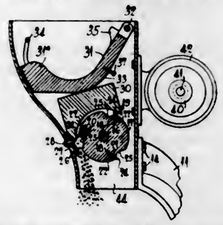
1. A clip for securing a channel-shaped molding strip having inturned flanges to a sheet metal panel having an aperture therein comprising a sheet metal strip formed into a closed loop, said strip being shaped to provide indentations in opposite sides thereof, the central portion of said strip forming a head adapted to be received within the channel of said molding, the end portions of said strip converging to form a resilient prong adapted to be forced through the aperture in said panel when said clip is mounted in position, and means on each end portion engaging and overlying the other end portion whereby to preclude displacement of each of said end portions with respect to the other.

2,275,120
AIR CONDITIONING SYSTEM FOR RAIL VEHICLES
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Battle Creek, Mich., a corporation of Michigan
Application June 30, 1938, Serial No. 216,673
12 Claims. (Cl. 98—10)



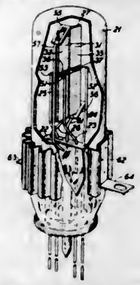
1. An air conditioning system for an electrically driven vehicle having resistors beneath the floor of the vehicle, comprising a chamber enclosing said resistors, air withdrawing means communicating with the interior of the vehicle for exhausting air from said interior at a predetermined rate and forcing said air into said chamber, a fresh air supply duct beneath the vehicles having an outlet port communicating with said chamber, air input means communicating with the interior of the vehicle for drawing air from said chamber and from said fresh air supply duct and forcing it into said vehicle at a greater rate than it is exhausted from the interior of said vehicle by said air withdrawing means, said fresh air supply duct having inlets at opposite sides of the vehicle, said outlet port from said supply duct communicating with said air input means posterior to said chamber, and air regulating means for said outlet port controllable to supply sufficient air to make up the difference in rate of said air input means and said exhaust means.

2,275,121
ICE MACHINE
Clarence A. Wingate and William Jack Wingate, Norfolk, Va.
Application July 26, 1940, Serial No. 347,646
1 Claim. (Cl. 83—62)



Apparatus for chipping ice comprising a hopper, a rotary cylinder mounted in the hopper and having a plurality of longitudinally spaced cavities in the periphery of the cylinder, a toothed blade adjustably mounted in the rear edge of each cavity, the teeth of each blade projecting beyond the periphery of the cylinder, a throat plate adjustably mounted in the hopper and past which the teeth rotate, the teeth in the blades each being staggered longitudinally of the cylinder so that each blade cuts its own path in the ice and does not follow the path of any other blade, a weighted member pivoted in the hopper for pressing a block of ice against the teeth of the blades in the cylinder and means for adjusting the limit of downward movement of the weighted member.

2,275,122
PIEZOELECTRIC CRYSTAL APPARATUS
Arthur W. Ziegler, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1940, Serial No. 338,871
18 Claims. (Cl. 171—327)



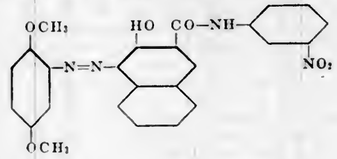
1. A piezoelectric unit comprising an evacuated bulb, rigid conductive lead-in wires sealed into and extending within said bulb, a piezoelectric crystal plate, conductive coatings formed integral with said plate, and a plurality of non-linear spring wires electrically and mechanically connected to said conductive coatings and said lead-in wires and constituting substantially the sole weight bearing support of said crystal plate.

2,275,123
ADHESIVE GREASE COMPOSITION
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 30, 1939, Serial No. 306,856
2 Claims. (Cl. 252—32)

1. A stabilized stringy adherent grease composition comprising a hydrocarbon lubricating oil, between 5% and 30% of a grease-forming soap of a metal selected from the group consisting of sodium, calcium, barium and aluminum, and between 0.01% and 5% of a mixture of polyisobutylene of over 30,000 molecular weight and an oil soluble high molecular weight linear acrylic polymer which in 2.8% solution by weight in tetrahydronaphthalene shows a viscosity of over thirty times more than that of water at 20° C., the amount of acrylic polymer being between 10% and 60% by weight of the total polymer mixture.

2,275,124
AZO DYE
Frithjof Zwilgmeyer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 6, 1940, Serial No. 368,843
2 Claims. (Cl. 260—204)

1. The compound represented by the formula:

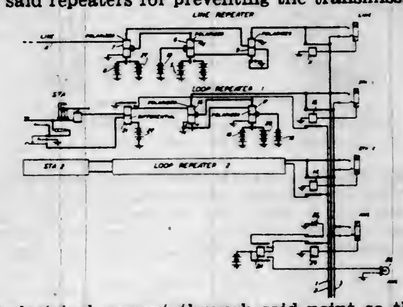


2,275,125
N-CYCLOHEXYL SULPHAMIC ACID AND SALTS
Ludwig F. Audrieth, Champaign, Ill., and Michael Sveda, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1940, Serial No. 351,447
6 Claims. (Cl. 260—429)

2. An N-cyclohexyl sulphamic acid.

2,275,126
TELEGRAPH ALARM CIRCUIT
Allen R. Bonorden, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1940, Serial No. 317,809
12 Claims. (Cl. 178—74)

1. In a telegraph system, a telegraph line circuit, a telegraph repeater connected thereto, a plurality of telegraph loop circuits, a telegraph repeater connected to each of said loop circuits, means for interconnecting all of said repeaters through a common electrical point, means connected to said repeaters for operating one of said repeaters in such manner as to transmit electrical current through said point so as to operate all of said other repeaters in response to one telegraph signaling condition, means connected to said repeaters for preventing the transmission



of electrical current through said point so that all of said repeaters remain unoperated in response to another telegraph signaling condition, and alarm signal means responsive to time measuring control means, both connected to said system, for indicating that one of said conditions has endured for longer than a permissible interval.

2,275,127
CLIP AND MOLDING ASSEMBLY
Robert L. Brown, Detroit, Mich., assignor to William R. Wiley, Detroit, Mich.
Application June 21, 1940, Serial No. 341,736
5 Claims. (Cl. 189—88)

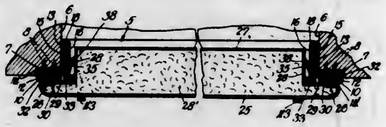


5. In combination a molding strip of channel shape with inturned flanges, a panel having a plurality of openings therein, and a plurality of spring steel clips for securing said molding strip to said panel, each of said clips having a central portion bridging transversely across the space between the inturned flanges of the molding within the channel and a pair of generally U-shaped portions extending from opposite sides of said central portion and projecting out of the molding channel into said panel opening, each of said U-shaped portions having an inner leg connected to the central portion, an outer leg having its extremity resiliently engaging the bottom of the molding and thereby forcing the central portion against the inner surface of the inturned molding channel flanges and an intermediate portion projecting through the panel opening.

2,275,128
HINGE CONSTRUCTION
Charles E. Campbell, South Bend, Ind., assignor of one-tenth to Walter E. Schirmer, Buchanan, Mich.
Application March 18, 1940, Serial No. 324,577
12 Claims. (Cl. 16—147)

1. The combination, in a structure having a generally rectangular door opening and a rectangular door for closing said opening having defining edges overlying said opening, of hinge means pivotally supported along the vertical edges of said opening and having movable portions extending vertically within said opening for substantially the entire vertical extent there-

of and lying against the vertical sides of said opening, hinge engaging means extending normally to and secured to the inner face of said door having tongue and groove interlocking engagement with said hinge portions for substan-



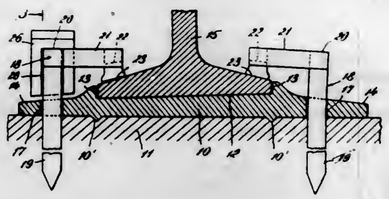
tially the entire length thereof, and latch means carried by said door adjacent each vertical edge thereof and selectively engageable with said hinge portions for locking said normally extending means on said door in said hinge portions.

2,275,129

RAIL FASTENING

Marvin L. Cantrell, Pueblo, William S. Boyce, Denver, and Oscar A. Hed, Pueblo, Colo.

Application July 13, 1939, Serial No. 284,230
5 Claims. (Cl. 238—349)



1. In combination with a tie, a tie plate having a rail seat and a pair of spaced openings on one side of the seat, and a rail mounted on the seat, a member having a pair of spaced, resiliently interconnected prongs extending through the openings and driven into the tie and also having a part extending inwardly over the rail base and engaging the top of the base to urge the rail against its seat, the prongs being connected together with a spacing between them which is different from the spacing between said openings before the prongs are driven, whereby the embedded ends of the prongs are cramped when the prongs are driven into the tie.

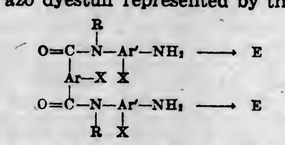
2,275,130

DISAZO DYESTUFFS

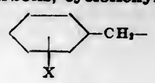
Wilfrid Herbert Cliffe, Arnold Kershaw, and Arthur Howard Knight, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 25, 1940, Serial No. 347,556. In Great Britain July 27, 1939
11 Claims. (Cl. 260—160)

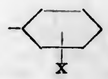
1. An azo dyestuff represented by the formula



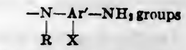
wherein Ar and Ar' are nuclei of the benzene series; X is from a group consisting of hydrogen, chlorine, bromine, methyl and methoxy; each R is one of a group consisting of alkyl having not more than 8 carbons, cyclohexyl,



and



the two



groups

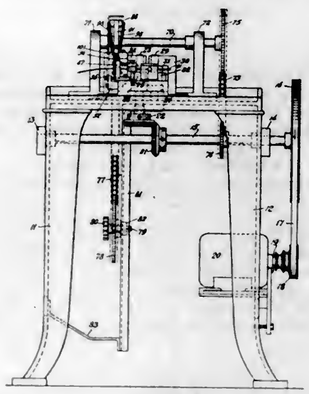
being alike; E is a pyrazolone having a sulfoaryl group; and E' is a coupling component of the group consisting of E, arylpyrazolones which are devoid of sulfo groups of salicylic acid.

2,275,131

MACHINE FOR MAKING SEPARABLE FASTENER ELEMENTS

Edward J. Conlin, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., New Britain, Conn., a corporation of Connecticut

Application July 25, 1940, Serial No. 347,420
7 Claims. (Cl. 153—64)



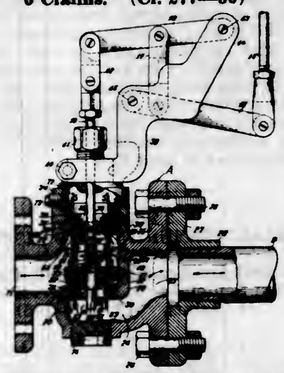
1. A machine for producing spirally-shaped slide fastener elements comprising a shaft, means for continuously driving said shaft, wire feeding means continuously driven by said shaft, mechanism for continuously forming into a spiral form the wire fed by said feeding means, wire cutting means spaced from said forming mechanism, cutter actuating means connected to said continuously driven shaft and operable at predetermined intervals to cause said cutting means to cut the spiralled wire into predetermined lengths, a guide positioned intermediate said forming mechanism and cutting means and spaced therefrom so that there are two sections of formed wire intermediate said forming mechanism and cutting means which are free from hindrance to their movements, said guide being tubularly-shaped and being at a distance from said cutting means such that when the movements of the spiralled wire are stopped at the place of cutting, the closing of the coils of such wire will not extend to the suspended section of wire between the guide and the forming mechanism.

2,275,132

DISCHARGE VALVE

David N. Crosthwait, Jr., Chicago, Ill., and Everett W. Werts, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa

Application August 3, 1940, Serial No. 350,180
6 Claims. (Cl. 277—36)



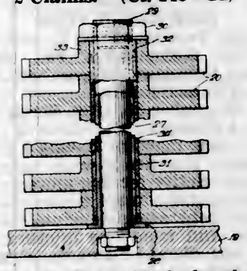
1. A discharge valve comprising a casing divided by an internal web into a high-pressure inlet chamber and a low-pressure outlet chamber, the web being formed with a main valve opening connecting the chambers, a main valve assembly movable in the high-pressure chamber to open or close the valve opening, upper and lower auxiliary valve openings in the movable assembly through which liquid can flow in series, a second movable valve assembly comprising a valve stem, a valve member on the stem adapted to normally close the lower auxiliary opening so that there will be no liquid discharge and high pressure will be maintained in the movable assembly above the main valve, and a second valve member on the stem adapted to close the upper auxiliary valve opening, so that a first upward movement of said stem will open the lower auxiliary valve to permit a discharge of liquid through the auxiliary openings in series, a further upward movement of the stem moving the second valve member to close the upper auxiliary opening so that the main valve is balanced under low pressure, and a final upward stem movement causing a portion of the second valve assembly to engage and lift the main valve assembly to open the main valve.

2,275,133

METHOD OF CARBURIZING

Ernest F. Davis, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 2, 1940, Serial No. 312,020
2 Claims. (Cl. 148—14)



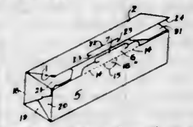
1. The steps in the method of carburizing articles of steel having a bore, said articles being stacked together so that their bores collectively form a closed chamber, which method includes: introducing into the said chamber a mixture of comminuted iron and iron oxide in the proportion of 80 to 25% iron and 20 to 75% iron oxide, and maintaining such mixture in contact with the surfaces of the bores while passing the articles through a carburizing atmosphere.

2,275,134

CARTON

Bruce J. Davidson, Manhasset, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey

Application December 7, 1937, Serial No. 178,457
8 Claims. (Cl. 229—51)



1. A carton comprising front, rear, bottom and two end walls, a cover hinged to the rear wall and having a tuck secured to its opposite edge and folded into contact with the under face of the cover, a sealing flap attached to the top edge of the front wall and secured to the underside of said tuck.

2,275,135

BUTADIENE EXTRACTION

Egi V. Fasce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 18, 1940, Serial No. 330,312
8 Claims. (Cl. 260—680)

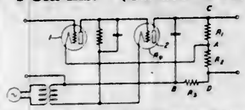
1. A process for the recovery of diolefins from hydrocarbon mixtures containing the same, which comprises contacting a hydrocarbon mixture containing a diolefin with a clear solution of a cuprous salt and a water-soluble organic nitrile, and recovering the diolefins from the clear solution of the cuprous salt and water-soluble nitrile by known methods.

2,275,136

AMPLIFIER CIRCUITS

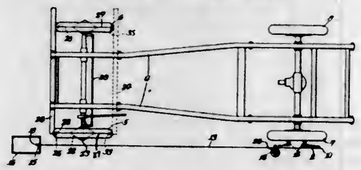
Enoch B. Ferrell, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application August 6, 1937, Serial No. 157,693. Divided and this application March 13, 1940, Serial No. 323,689
4 Claims. (Cl. 175—363)



1. In a circuit for converting alternating current power into direct current power, a rectifier circuit comprising rectifier tubes with control grids, means for regulating the voltage delivered by the rectifier which comprises a train of vacuum tube amplifiers connected in tandem, the plate circuits thereof being supplied directly from the alternating current source, the grid of the first tube being controlled by a volt coil across the load circuit, and the output of the train of tubes being connected to control the voltage of the grids of the rectifier.

2,275,137
METHOD OF AND MEANS FOR DETERMINING THE ANGULAR RELATION BETWEEN WHEEL AXES
Arthur A. Friestedt, Chicago, Ill.
Application April 24, 1940, Serial No. 331,449
8 Claims. (Cl. 33—203)

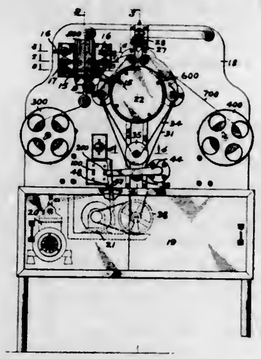


1. An apparatus for determining the angular axial relationship of the axes of vehicle wheels comprising an arm adapted to be fixedly attached to a rear wheel of a vehicle so as to project outwardly therefrom, a standard adapted to be positioned to dispose a point carried thereby contiguous to a predetermined point carried by said arm when disposed forwardly of the wheel axis, a line attached to the end of said arm, and means forwardly of the front wheels for holding said line taut in a vertical plane including the end of said arm and said standard point.

2,275,138
PROCESS OF FLOTATION FOR SYLVINITE ORES
Fritz E. Fuchs, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 17, 1940, Serial No. 319,463
12 Claims. (Cl. 209—166)

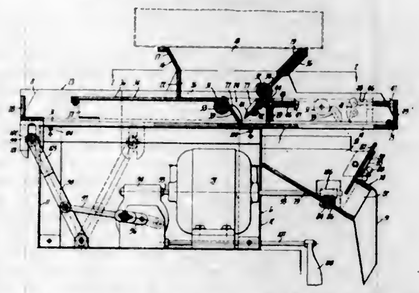
1. The process of concentrating potassium chloride from a sylvinite ore by a flotation process which comprises using as a flotation reagent a material of the class consisting of acidic fractions of petroleum oxidation carboxylic acids in which acids having seven to eleven carbon atoms are concentrated and products resulting from at least the partial neutralization thereof.

2,275,139
METHOD OF TREATING MOTION PICTURE FILMS
George J. Gage, Los Angeles, Calif.
Application April 9, 1938, Serial No. 201,042
1 Claim. (Cl. 18—56)



The herein described method of cleaning and revitalizing motion picture film which comprises continuously moving the film at a predetermined constant linear velocity; pneumatically impinging an atomized liquid solvent against the opposite sides of the film at an angle to direct the liquid across the film and at a controlled velocity to cause dislodgement of foreign matter from said sides to effect discharge of said matter and surplus liquid from said film at one edge of the latter; similarly impinging clean air against said opposite sides of the film to discharge any loose foreign matter remaining thereon and to dry said opposite sides of the film; uniformly wetting said dry sides of the film with a light rectifying and film softening liquid and applying controlled surface pressure and heat to said wet sides of said film.

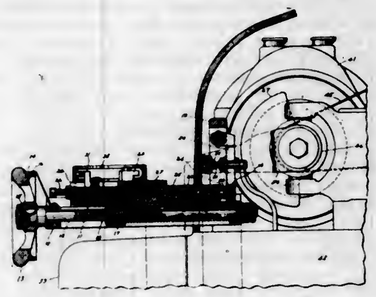
2,275,140
MATERIAL MEASURING AND DISPENSING MACHINE
Robert Lee Goodin, Oakland, Calif.
Application September 4, 1940, Serial No. 355,339
11 Claims. (Cl. 221—105)



1. A volumetric measuring machine comprising, a hopper for material to be measured out and having a discharge opening, a reciprocative member mounted for movement across said opening and provided with a receiving chamber of predetermined volume positioned to move in one direction of movement of said member into registration with said opening and in an opposite direction of movement of said member out of registration with said opening, during said last named movement the forward wall of said opening cooperating with the rearward wall of said chamber to cut off the flow of material from said opening into said chamber, and rollers carried by said member and said hopper adjacent said walls and engaged as the chamber is moved out of registration with said opening to cut off the material flow.

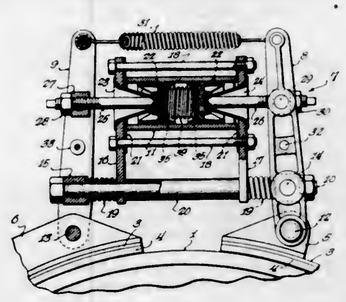
2,275,141
SIZE REGULATOR
Daniel Gurney, Jamestown, N. Y., and Milburn A. Hollengreen, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application December 30, 1939, Serial No. 311,750
2 Claims. (Cl. 51—165)

1. In a grinding machine having a tool support, a tool mounted thereon, a work support, means for effecting a relative feeding movement between said supports, a size control mechanism comprising a pair of cooperating elements movable relatively toward and from one another, a pivoted support for one of said elements, means for adjusting said support an amount corresponding to variation in size of a work piece, and means for adjusting the radial position of said size control



element on said pivoted support whereby to modify said first mentioned adjustment.

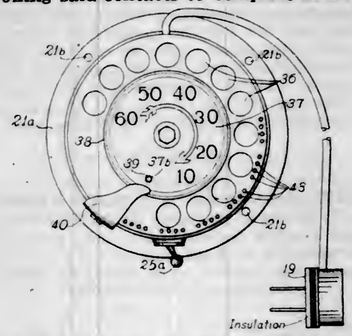
2,275,142
FRICTION BAND ACTUATOR
John D. Hale, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1940, Serial No. 317,077
9 Claims. (Cl. 188—152)



1. In a friction apparatus, the combination comprising a rotatable drum, a friction band engageable therewith, a hydraulic cylinder mounted on said band capable of radial movement therewith and having a piston for causing engagement of said band with said drum, a flexible hydraulic conduit for supplying hydraulic fluid under pressure to said cylinder to cause engagement of said band with said drum, and means capable of radial movement with said band for resisting tangential forces in said band.

2,275,143
TIME SWITCH
Marshall W. Hanks, Madison, Wis., assignor to Hankscraft Company, Madison, Wis., a corporation of Wisconsin
Application March 15, 1940, Serial No. 324,023
7 Claims. (Cl. 200—35)

1. Apparatus for controlling the energization of a photographic exposure lamp comprising a pair of contacts for controlling the operating circuit for said lamp, a dial provided with finger-receiving recesses spaced to designate relatively long increments of time and with an additional set of recesses spaced to designate smaller increments of time, and means including said dial for controlling said contacts to complete said circuit



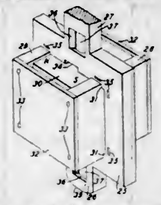
for any selected one of different time intervals respectively corresponding to said recesses.

2,275,144
POISING TOOL FOR WATCHMAKERS
Jes I. Hansen, Denver, Colo.
Application April 5, 1940, Serial No. 327,981
1 Claim. (Cl. 81—6)



A watchmaker's poising tool comprising: a frame plate; arms projecting from said frame plate; a bearing bar in each arm, said bars being directed toward, and in alignment, with each other; means for supporting a balance staff between the adjacent extremities of the bars, the adjacent extremities of the bearing bars being transversely notched to a depth exceeding one-half of their diameters; jewel retaining portions on said bars between the extremities and said notches; a jewel mounted in the retaining portion of each bar for receiving the pivot of a balance staff; and a pivot straightening screw threaded through the bottom of the transverse notch in one of said bearing bars to contact the staff pivot positioned in the jewel of said bar when desired.

2,275,145
POLARIZED RELAY
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1940, Serial No. 354,684
7 Claims. (Cl. 200—93)



1. In a relay, a stator comprising a U-shaped stator core, a coil surrounding one arm thereof, spacing members secured to the ends of the arms of said core, and a rotor rotatably supported by said spacing members between the

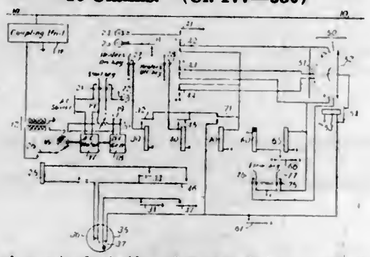
inner pole faces of said core arms, said rotor comprising a yoke of non-magnetic material, two pole-pieces positioned within said yoke and a permanent bar magnet positioned within said yoke and interposed between said pole-pieces, said rotor being normally so positioned that its pole-pieces extend transversely between said core arms and that the polar axis of said permanent magnet lies parallel to said core arms.

2,275,146

CARRIER CURRENT CONTROL SYSTEM

Harry E. Hershey, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 1, 1939, Serial No. 265,557
10 Claims. (Cl. 177—380)



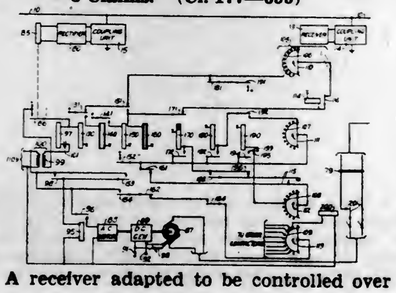
6. A control station for supplying control current to an associated control channel and comprising, in combination, a current source, a circuit for delivering current from said source to said channel, a pair of switches, means responsive to operation of either of said switches for completing said circuit, means including an impulsing device for controlling said circuit to transmit coded combinations of current pulses by way of said channel and for holding said circuit completed at the end of the pulse transmission, timing apparatus operative in response to operation of said impulsing device to cause the transmission of a combination of current pulses over said channel, and means controlled by said timing apparatus for interrupting said circuit after a predetermined time interval which begins with the end of the pulse transmission or for a longer time interval depending upon which of said switches is initially operated.

2,275,147

CARRIER CURRENT SYSTEM

Harry E. Hershey, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application April 1, 1939, Serial No. 265,557. Divided and this application April 22, 1940, Serial No. 330,979
3 Claims. (Cl. 177—353)



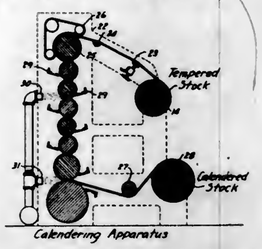
1. A receiver adapted to be controlled over a control channel to control a plurality of associated circuits and comprising, in combination, a switch having a normal position and operative to a plurality of off-normal positions individually corresponding to said circuits, means responsive to a first predetermined digit of current pulses transmitted over said channel for causing said switch to operate to one of said off-normal positions, means for rendering said switch non-responsive to further operation of said first-named means, means responsive to operation of said switch to said one off-normal position for preventing said last-named means from operating and for causing said switch to operate to its normal position, said first-named means being operative to cause said switch to operate to the off-normal position corresponding to a desired one of said circuits in response to a second digit of current pulses transmitted over said channel following said predetermined digit, and means responsive to the last-mentioned operation of said switch for operating upon said one circuit.

2,275,148

METHOD OF PREPARING PAPER STOCK FOR APPLICATION OF A MOISTURE-RESISTANT MATERIAL

Richard E. Hornbeck, Kansas City, Mo., assignor to Waxide Paper Company, Kansas City, Mo., a corporation of Missouri

Application November 2, 1938, Serial No. 238,374
5 Claims. (Cl. 91—67.9)



2. The method of preparing a paper base stock for application of a coating material including, printing a calendered paper base stock, wetting the calendered paper base stock after printing with water, forming the wetted paper base stock into a roll to prevent evaporation of the water and effect penetration of the water into the base stock, and supercalendering the base stock to render the base stock and printing absorbent to said coating material.

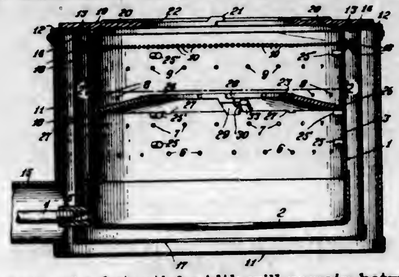
2,275,149

OIL BURNER

David J. Howard, Chicago, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 19, 1939, Serial No. 268,706
14 Claims. (Cl. 158—91)

1. In a burner for liquid fuel, a pot member having an open top, a substantially cylindrical side wall and a closed bottom, the side wall being provided with a plurality of air inlet openings distributed in spaced apart relation throughout the circumferential area of the side wall between the top and bottom thereof, means for introducing air through these openings, means for introducing liquid fuel into the lower portion of the pot, a fire-ring forming an annular top member for partially closing the top of the pot, a pilot fire-ring forming an annular partition member having a large central aperture, and means for supporting said partition member within the pot at an intermediate height, said partition having an outer diameter substantially less than the inner diameter of the pot so that an annular gas



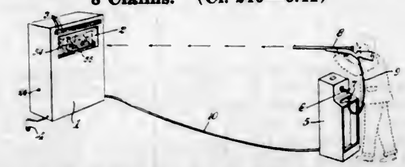
passage of substantial width will remain between the outer edge of the partition and the side wall of the pot, and means for centering the partition so that the passage will be of uniform width throughout the circumference of the pot.

2,275,150

ELECTRIC RIFLE

Mahlon W. Kenney, Oak Park, and Herman G. Jensen, Chicago, Ill., assignors to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma

Application January 12, 1940, Serial No. 313,520
8 Claims. (Cl. 240—6.41)



1. In a target device, a gun, an electric gun lamp, a trigger, a double-throw switch controlled thereby, two electric circuits controlled by the switch, one of them including a condenser, a resistance, and a source of direct current, the other including the condenser and a magnetic coil, an electric light circuit including the filament of the gun lamp and a gun lamp switch, the magnetic coil being adapted to control the light switch.

2,275,151

RECOVERY OF ETHYL CHLORIDE FROM ETHYL CHLORIDE-BUTANE MIXTURES

Charles N. Kimberlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 3, 1939, Serial No. 302,752
7 Claims. (Cl. 260—652)

1. Process for the separation of ethyl chloride from a mixture comprising ethyl chloride and butane comprising contacting said mixture with an alcohol, separating the resulting phases and removing the alcohol therefrom.

2,275,152

PROCESS FOR HYDROGENATING ALIPHATIC CARBOXYLIC ACID ANHYDRIDES

Wilbur A. Lazier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 2, 1932, Serial No. 584,574
6 Claims. (Cl. 260—638)

1. The process of producing alcohols which comprises treating with hydrogen an anhydride of an aliphatic carboxylic acid containing more than one carbon atom per carboxyl group at a temperature in excess of 200° C. and under a pressure in excess of 10 atmospheres, in the presence of copper oxide intimately associated with an oxide of chromium.

2,275,153

SPRING SUSPENSION SYSTEM

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application April 8, 1937, Serial No. 135,634. Divided and this application September 27, 1939, Serial No. 296,756
14 Claims. (Cl. 267—21)



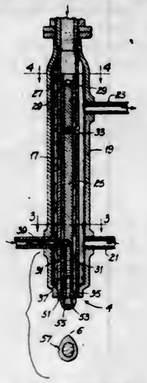
1. A spring assembly built up of a plurality of units, each comprising a panel of a material having the substantial physical properties of rubber and a pair of substantially stiff plates such as metal plates adhesively connected such as by vulcanization to the opposite faces thereof, the plates of adjacent units being provided with interengaging means constraining them to move together, and the outer plates of the assembly being adapted to be secured, respectively, to the opposed parts between which the spring acts.

2,275,154

METHOD FOR MAKING CAPSULES

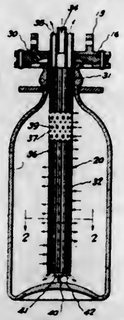
Edward C. Merrill, West Roxbury, James W. Reddie, Hull, and John M. Anderson, Woburn, Mass., assignors to United Drug Company, Boston, Mass., a corporation of Delaware

Application July 10, 1940, Serial No. 344,712
9 Claims. (Cl. 18—47.5)



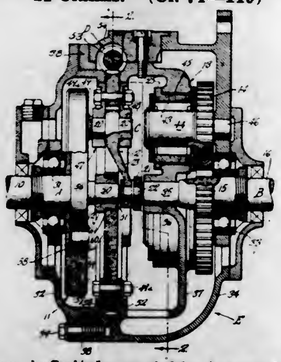
1. The method of forming gelatin capsules which comprises downwardly extruding said gelatin in liquid form through an orifice, introducing into such extruded gelatin through a pipe located in the center of said orifice a medicinal component, said extrusion being carried out sufficiently slowly so that the gelatin-surrounded medicinal separates into drops by the forces of gravity and surface tension.

2,275,155
INTERNAL TEMPERING NOZZLE
Charles E. Mongan, Jr., Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 25, 1939, Serial No. 306,103
8 Claims. (Cl. 49—45)



5. A tempering nozzle for internally chilling an article of hollow glassware having a single restricted opening, comprising an outer tubular shell, an inner tubular member within the outer shell in spaced relation therewith, the bore of said inner tubular member providing a passage for conducting cooling fluid longitudinally of the nozzle, a plurality of longitudinal ribs extending radially outward from the inner tubular member to the outer shell, said nozzle having a plurality of cooling fluid discharge passages extending radially from said bore through the inner tubular member, the ribs and the outer shell, said ribs being spaced apart to provide longitudinally extending exhaust passages in the nozzle, said outer shell being provided with exhaust ports extending from said exhaust passages through the walls of said outer shell.

2,275,156
VARIABLE SPEED TRANSMISSION
Alfred Moorhouse, Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application September 28, 1938, Serial No. 232,022
11 Claims. (Cl. 74—119)



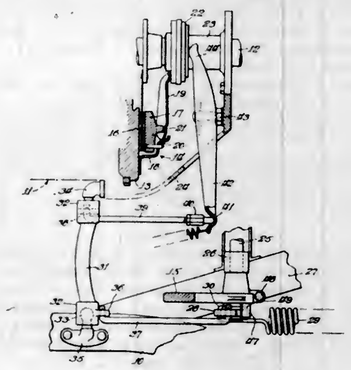
1. In an infinitely variable transmission, coaxial rotary driving and driven members, a plurality of transmitting units arranged around the axis of rotation of said members, said units comprising levers fulcrumed on a circumference about the common axis, for oscillating movement which they are adapted to receive from said driving member, a link pivoted to the free end of each lever on a pivot adapted to substantially align with said common axis when at one limit of said oscillating movement, and to substantially register with the said circumference when at the other limit of oscillating movement, a ratchet having an arm the free end of which is pivoted to said link to receive oscillating movement transmitted from said lever, said ratchet being adapted to intermittently transmit unidirectional rotative movement to the driven member, and means for varying the distance between the lever fulcrum and the pivot connecting the link and ratchet arm, whereby to vary the ratchet stroke.

2,275,157
METHOD OF MANUFACTURING FIBER CONTAINERS
Harry W. Morgan, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Continuation of application Serial No. 248,151, December 29, 1938. This application December 23, 1939, Serial No. 310,808
15 Claims. (Cl. 93—94)



1. The steps in the method of manufacturing laminated inner-liner fibrous tubes consisting of folding the leading edge of an oil proof parchment over the leading edge of a fibrous body sheet, and thereafter fabricating the parchment and the body sheet into a composite body stock and rolling the composite body stock to enclose the parchment within the fibrous body sheet to form a tube.

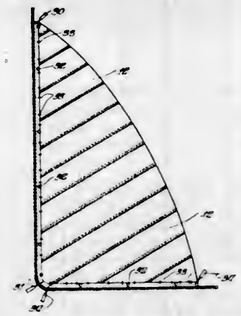
2,275,158
CLUTCH OPERATING MECHANISM
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1940, Serial No. 318,334
8 Claims. (Cl. 192—89)



1. Mechanism for operating a friction clutch

of a vehicle having a frame and a power plant and transmission unit of which the clutch forms a part, comprising a spring external of the clutch for providing clutch engaging force, manually controlled means for releasing the clutch against the action of said spring, one end of said spring acting directly against said releasing means, and a transverse rock shaft having universally pivotal connections at its respective ends with the frame and said unit respectively, and having lever arms at its respective ends connected respectively to said releasing device and to said clutch, said spring being so arranged relative to said manually controlled means that the effective lever arm to which the spring pressure is applied, decreases during clutch release.

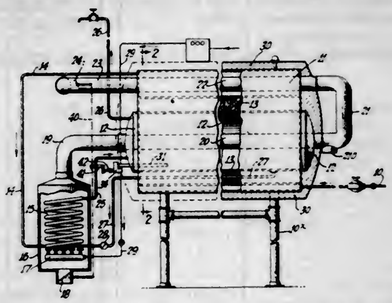
2,275,159
METHOD OF MAKING SAILS, AWNINGS, OR TENTS
Harry G. Nye, Jr., Evanston, Ill.
Application February 19, 1940, Serial No. 319,605
7 Claims. (Cl. 112—262)



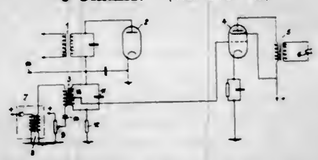
7. In the herein described method of making a sail, awning or tent reinforced along one edge, the steps of securing together at their adjacent edges fabric strips to make an area of fabric with the strips extending on a bias with respect to one edge at least of the fabric, folding cloth upon itself so as to make separately from the fabric a hem with the warp threads thereof extending parallel to the hem, securing by stitches a rope to the outer edge of the hem, placing the roped hem with its inner edge along one edge of the fabric, tensioning the roped hem as desired and temporarily securing it at spaced points, positioning the fabric at its said edge as desired with respect to the roped hem and temporarily holding the fabric in such relation, match-marking the roped hem and the fabric adjacent its said edge, and then securing the roped hem to the fabric with the marks on the roped hem substantially matching those on the fabric.

2,275,160
WATER HEATING SYSTEM
Clyde Malin Rees, White Plains, N. Y., assignor to George A. Rees, White Plains, N. Y.
Application December 14, 1937, Serial No. 179,626
8 Claims. (Cl. 122—18)

1. In a system for heating water for domestic use, the combination with a water supply, of a gas water heater, a storage water system comprising a pair of reservoirs connected in series and having said water heater in series therebetween, said reservoirs having flue passages therein for the supplementary heating of the water, and flue connections leading from said water heater to said flue passages, and flue conduits connecting said water heater and said flue passages in series in the inverse order of the water connections.

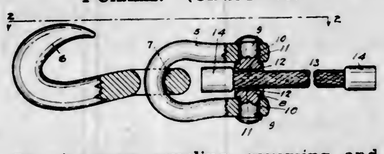


2,275,161
ELECTROACOUSTIC SIGNALING DEVICE
Ommo Schmidt, Stuttgart-Sillenbuch, Germany, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany
Application March 5, 1940, Serial No. 322,399
In Germany March 22, 1939
6 Claims. (Cl. 179—2)



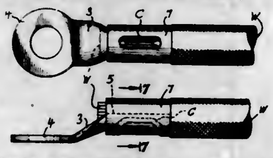
1. An electro-acoustic signaling device for use by vehicles prior to overtaking one another, comprising a system of electric connections, means for excluding the transmission of interfering noises outside a predetermined limit and comprising a biased rectifier, and means comprising a microphone having a resonant range for frequency ranges characteristic of a horn signal for obtaining selective reception of characteristic frequency ranges.

2,275,162
ROPE COUPLING, REVERSING, AND RE-FORMING MEANS
John R. Sutthoff, Sausalito, Calif.
Application November 3, 1941, Serial No. 417,649
4 Claims. (Cl. 294—78)



1. In wire rope coupling, reversing and reforming means, a clevis; a yoke pivotally mounted in said clevis on an axis transverse to the length of the clevis, said yoke having an opening therein at right angles to the axis on which it is pivoted; a wire rope extending through said opening; and a ferrule fixedly secured to each end portion of said wire rope providing for the end for end reversal of said wire rope in said yoke without removing said wire rope from said yoke to thereby prolong the useful life of said wire rope.

2,275,163
ELECTRICAL WIRE CONNECTOR
George C. Thomas, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application August 29, 1940, Serial No. 354,668
3 Claims. (Cl. 173—269)

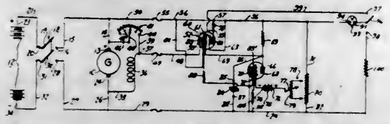


1. A solderless electrical-wire connector having positive current transmitting means comprising, in combination, a trough-shaped contact tongue made of soft metal, and a tubular shell surrounding the soft metal trough-shaped tongue with a pressed fit thereon to produce a permanently-joined one-piece connector adapted to receive an electrical conductor thereinto, said soft metal tongue being adapted to lie in engagement with the conductor aforesaid, whereby a crimping force applied to the connector causes the soft metal tongue to cold-flow by internal compression into intimately positive electrical engagement with the conductor and also to act as the current transmitting means, while the tubular shell withstands said crimping force and maintains the internal compression.

2,275,164
CELLULAR THERMOPLASTIC MASS
Robert M. Thomas, Union, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1938, Serial No. 248,906
9 Claims. (Cl. 260—94)

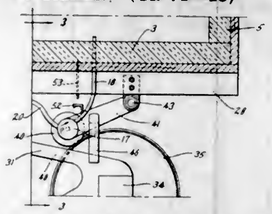
1. The method of producing rounded particles of organic material having a cellular structure which comprises heating a polymeric organic thermoplastic material, in the form of a powder containing a small percentage of a solvent for said material, at a temperature higher than the boiling point of said solvent while maintaining a pressure sufficiently low to cause the said solvent to boil at a temperature below that which would cause the particles of said thermoplastic material to coalesce, whereby there is formed a plurality of separate expanded rounded particles.

2,275,165
SYSTEM OF VOLTAGE REGULATION
Charles Wasserman, Baltimore, Md.
Application January 27, 1939, Serial No. 253,059
5 Claims. (Cl. 171—312)



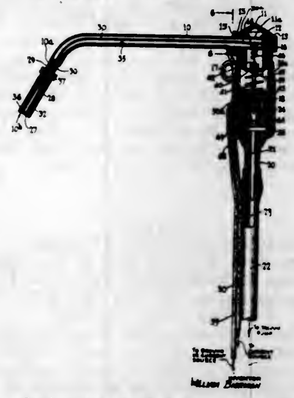
1. In combination, a dynamo-electric machine having an exciting field winding; means for regulating the current flow through said winding; an electronic device forming a bypath around said means; a control electrode for regulating the effective impedance of the space current path of said device, said control electrode being connected to the anode circuit of a second electronic device; the second electronic device being connected across the terminals of said dynamo-electric machine; a resistor connected across the terminals of said dynamo-electric machine in parallel with said second electronic device; a constant source of potential; a control electrode for the second electronic device connected through said constant source to a portion of said resistor whereby the potential drop in said resistor controls the potential of said electrode; and heating means for said electronic devices connected across the terminals of said dynamo-electric machine.

2,275,166
POWER TAKE-OFF FOR AIR CIRCULATING MEANS
Alfred G. Bancroft, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 15, 1941, Serial No. 379,051
8 Claims. (Cl. 74—13)



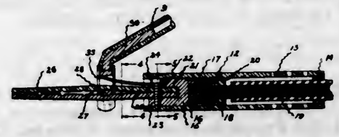
1. A power take-off device for transmitting power from the wheel of a railway car truck to a mechanism for operating an air circulating fan in the car, said device comprising a member mounted upon the body of the car, a bracket slidably and rotatably mounted upon said member, and a pulley mounted upon said bracket and arranged to engage a wheel of the truck of the car, said pulley adapted to be operatively associated with mechanism for operating an air circulating fan in the car.

2,275,167
ELECTROSURGICAL INSTRUMENT
William Bierman, New York, N. Y.
Application April 26, 1939, Serial No. 270,175
9 Claims. (Cl. 128—303.17)



1. An electro-surgical instrument for removing human tissue, comprising a hollow stem of insulating material open at one end and adapted to be connected to a vacuum device for creating a suction at said open end to draw in and hold said tissue, said open end being adapted to be stoppered by said drawn-in tissue, an electrode in said stem having a portion thereof disposed adjacent said open end so as to intimately contact said drawn-in tissue, means for connecting said electrode to a source of current supply, and means for preventing the effective energization of said electrode without first rendering said vacuum device effective for drawing in said tissue.

2,275,168
ELECTRODE HOLDER
Philip Bourque, Detroit, Mich., assignor to Bordon Mfg. Co., Inc., Detroit, Mich., a corporation of Michigan
Application October 21, 1940, Serial No. 362,142
10 Claims. (Cl. 219—8)



1. In an electrode holder of the class described, a shank-forming portion adapted for attachment to an electric conductor; a pair of spaced tongues projecting outwardly from said shank-forming portion and springable relatively to each other; a pair of clamping jaws in superimposed relation and diverging from each other at opposite ends, said jaws at one of said ends, at their divergence being inserted between said tongues; and means outwardly of said ends of said jaws for clamping the same between said tongues and reducing the divergence thereof for placing the opposite ends of said jaws under tension.

2,275,169
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,607
2 Claims. (Cl. 260—435)

1. In the manufacture of a lead salt of styphnic acid by the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the step which comprises the addition of glucose to the sulphonating acid, whereby in a subsequent step said lead salt is formed in crystals of a configuration characteristic to said addition.

2,275,170
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,608
2 Claims. (Cl. 260—435)

1. In the manufacture of a lead salt of styphnic acid by the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the step which comprises the addition of phenol to the sulphonating acid, whereby in a subsequent step said salt lead is formed in crystals of a configuration characteristic to said addition.

2,275,171
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,609
2 Claims. (Cl. 260—435)

1. In the manufacture of a lead salt of styphnic acid by the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the step which comprises the addition of aluminum to the sulphonating acid, whereby in a subsequent step said lead salt is formed in crystals of a configuration characteristic to said addition.

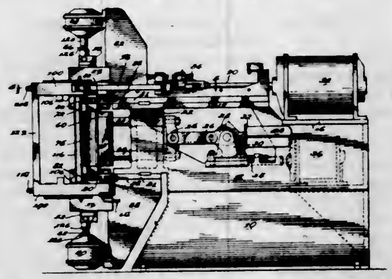
2,275,172
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,610
2 Claims. (Cl. 260—435)

1. In the manufacture of a lead salt of styphnic acid by the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the step which comprises the addition of catechol to the sulphonating acid, whereby in a subsequent step said lead salt is formed in crystals of a configuration characteristic to said addition.

2,275,173
MANUFACTURE OF STYPHNIC ACID SALTS
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,611
2 Claims. (Cl. 260—435)

1. In the manufacture of a lead salt of styphnic acid by the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the step which comprises the addition of acetic acid to the sulphonating acid, whereby in a subsequent step said lead salt is formed in crystals of a configuration characteristic to said addition.

2,275,174
SHELL FORMING PRESS
Albert Clements, Berwyn, Ill., assignor to Verson Allsteel Press Company, Chicago, Ill., a corporation of Delaware
Application December 14, 1940, Serial No. 370,129
6 Claims. (Cl. 153—12)



1. In a shell forming machine, a central blank

holding member adapted to be placed against the inner face of a sheet metal blank having a flanged edge, a pair of edge supporting die members positioned in front of said blank holding member to support the edges of said blank on its outer face, means adapted when actuated to retract said edge supporting members outwardly from a position in front of said blank holding member, a pair of folding elements to fold said blank around said blank holding member, and means to retract the last said elements into a position spaced from said blank holding member and to cause actuation of the first said means so that at one point in the cycle of operation of said machine no machine parts are positioned in front of said blank holding member thus permitting the withdrawal of a formed shell endwise of said machine.

2,275,175
MOTOR FUEL

Gould H. Cloud, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 30, 1939, Serial No. 306,841
5 Claims. (Cl. 44—9)

1. A high compression spark-ignition motor fuel composed substantially of gasoline hydrocarbons in a major proportion blended with an octane number improving amount of 2 to 15% by volume of a dialkyl phenol wherein a methyl group is one of the positions ortho and meta to the hydroxy group, and a branched alkyl group containing 3 to 5 carbon atoms, para to the hydroxy group, said dialkyl phenol having a melting point below 40° F. and a boiling point within the range of about 395° F. to 475° F.

2,275,176
CRACKING OIL WITH SYNTHETIC CATALYTIC COMPOSITIONS

Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 6, 1938, Serial No. 244,181
2 Claims. (Cl. 196—52)

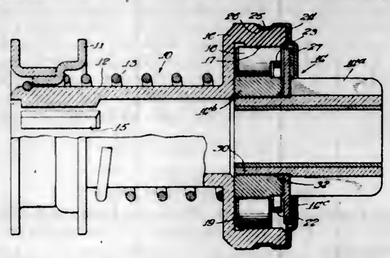
1. A method of cracking hydrocarbon oils which comprises subjecting said oil while at cracking temperature to the action of a synthetic silica-alumina gel catalyst containing a major portion of silica and a minor portion of alumina and a small amount but not more than about 1% of tin oxide and keeping said oil in contact with said catalyst for a period sufficient to obtain a substantial amount of cracking.

2,275,177
COMBINATION BONDING AND HEAT TREATING

Walter B. Crans, Royal Oak, Mich., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York

Application March 29, 1939, Serial No. 264,707
4 Claims. (Cl. 29—152)

1. A method of producing a starter gear and clutch sub-assembly including a toothed gear having a cylindrical extension, a radially extending washer closely embracing said cylindrical extension adjacent said gear teeth, and a hub mounted on said cylindrical portion closely adjacent to said washer, said method of producing a starter gear being particularly characterized by the steps of interposing a brazing medium between at least two of the opposed surface portions of said elements, and subjecting said assembled elements to a gas carburizing at-

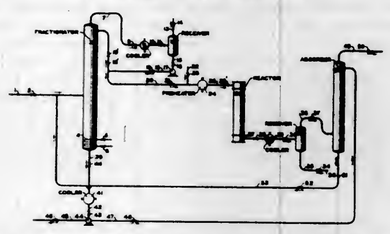


mosphere of sufficiently high temperature to produce brazing and to produce carburizing to the desired depth and then quenching the resulting bonded elements in a quenching medium.

2,275,178
TREATMENT OF HYDROCARBONS

Ernest N. Hague, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 11, 1939, Serial No. 272,985
5 Claims. (Cl. 183—115)

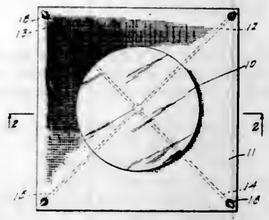


1. A process for recovering iso-octane from excess hydrogen-containing gas used in the hydrogenation of iso-octenes to iso-octanes which comprises contacting said excess gas containing iso-octane vapors with an absorption oil comprising polymers boiling in the approximate range of 300–400° F., and subjecting said used absorption oil to distillation to separate therefrom absorbed iso-octane.

2,275,179
BALL GAME

Theodore Heil, Berkeley, Calif.

Application July 28, 1941, Serial No. 404,321
10 Claims. (Cl. 273—30)



1. Game apparatus comprising; a sheet of flexible deadening material and means for supporting said sheet in a horizontal plane in spaced relation to a floor; a target formed of rigid material and supportable centrally of said sheet and

cupping said sheet due to its weight to form inclined walls to serve as a net; said target functioning as a rebound area for a served ball, and the portion of the sheet surrounding said target forming a stop for balls failing to strike the target, due to its flexibility and deadening characteristics.

2,275,180
CLIPPER
Neil Holsclaw, Chicago, Ill., assignor of one-half to Fred E. Sudlow, Rock Island, Ill.
Application June 12, 1940, Serial No. 340,125
9 Claims. (Cl. 30—208)



1. In a device of the class described, an elongated handle, a power unit in said handle, stationary and movable cutter members extending longitudinally from one end of said handle said stationary member being removably secured to said end of said movable handle, said cutter member being operatively connected to said power unit, said power unit arranged to reciprocate said movable cutter member, and resilient means to secure said members in cooperative relationship with each other.

2,275,181
PROCESS FOR HYDROGENATING HYDROCARBONS
Vladimir N. Ipatieff and Ben B. Corson, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 3, 1939, Serial No. 265,774
3 Claims. (Cl. 260—667)

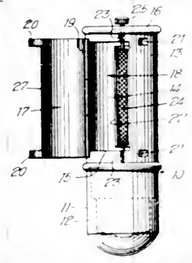
1. A process for converting olefinic and aromatic hydrocarbons into more saturated hydrocarbons which comprises subjecting the hydrocarbon material to hydrogenation in the presence of metallic copper and iron oxide.

2,275,182
MANUFACTURE OF CATALYSTS
Vladimir N. Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 20, 1940, Serial No. 341,442
6 Claims. (Cl. 252—251)

1. A process for manufacturing catalysts which comprises mixing a phosphoric acid with a siliceous material, calcining the mixture at a temperature of at least 600° F., then steaming the mixture at a temperature not substantially above 600° F., and treating the steamed mixture with a substantially dry inert gas at a temperature in the approximate range of 400–600° F.

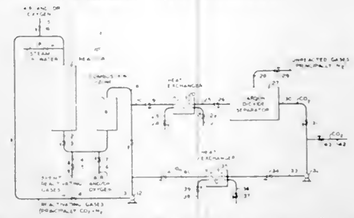
2,275,183
TOILET ACCESSORY
Henry Josephs, New York, N. Y.
Application August 24, 1940, Serial No. 354,121
4 Claims. (Cl. 242—55.5)

1. A toilet accessory of the character described comprising a body portion and having a chamber adapted to hold tissue therein, an opening in said body portion, a closure for said opening, rotating means for extruding the tissue from the chamber and outwardly between the closure and body por-



tion, and said closure having means whereby the tissue may be severed at a desired length.

2,275,184
REACTIVATION OF CONTACT MASSES
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Illinois
Application April 6, 1940, Serial No. 328,206
6 Claims. (Cl. 252—242)

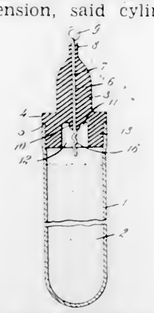


6. A process for reactivating a mass of contact material having deposited thereon deleterious carbonaceous materials, which comprises passing a stream of reactivating gases containing regulated minor amounts of oxygen in contact with said mass and burning combustible material therefrom under conditions conducive to the formation of carbon monoxide, commingling resulting spent reactivating gases and combustion products with air and burning the mixture in a zone external to said mass to convert the carbon monoxide to carbon dioxide, treating a portion of the resulting products to separate carbon dioxide from nitrogen and other gases, exhausting said nitrogen and other gases, commingling said carbon dioxide with the residual portion of said resulting products to increase the concentration of carbon dioxide in the mixture, adding air to said mixture to replenish the oxygen, and returning the resulting mixture as the reactivating gas to said contact mass.

2,275,185
LUBRICATING DEVICE AND SPRAY GUN
Charles P. Shinn, Jr., New York, N. Y.
Application April 23, 1940, Serial No. 331,095
4 Claims. (Cl. 221—32)

1. A spray gun, including a transparent flexible container for the powder, a cap of flexible material at one end of the container, said cap having a shoulder against which the container is assembled, a cylindrical member extending into one end of the container having a recess concentric therewith to receive the powder prior to being projected therefrom, a flexible annulus at the bottom of and concentric with said recess, a cylindrical extension to said member projecting beyond the end of the container and a tubular

terminal for the said extension of less diameter than the extension, said cylindrical extension

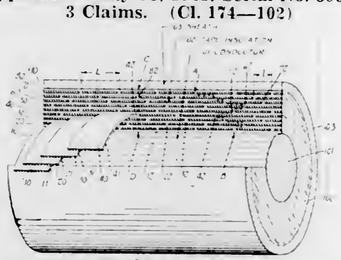


and tubular terminal having a longitudinal central opening therethrough constituting a passage for the powder.

2,275,186
PROCESS FOR REFINING TALL OIL
Ernest Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 31, 1939, Serial No. 265,143
9 Claims. (Cl. 260—97.5)

2. A process for refining crude tall oil compositions which comprises contacting a petroleum hydrocarbon solution of a crude tall oil composition with an organic solvent for removing odoriferous and coloring material therefrom, said solvent being immiscible with said tall oil solution and selected from the group consisting of ethylene chlorhydrin, α dichlorhydrin, β dichlorhydrin, ethylene glycol, diethylene glycol, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether, ethylene glycol monophenyl ether and mesityl oxide, and separating the organic solvent from the tall oil solution.

2,275,187
ELECTRIC CABLE
Gordon Sterling Clark, Yonkers, and John Hunter Palmer, Scarsdale, N. Y., assignors to Phelps Dodge Copper Products Corporation, Dover, Del., a corporation of Delaware
Application May 13, 1941, Serial No. 393,154
3 Claims. (Cl. 174—102)

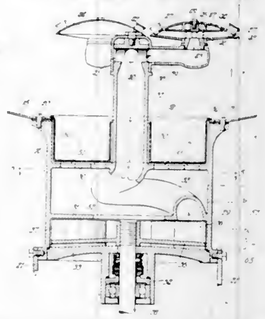


1. An electric cable comprising a metallic conductor insulated with multiple layers of insulating tape, applied helically about the conductor with open spaces or channels between adjacent turns of the tapes staggered non-uniformly in such a manner as to combine a long zig-zag path with a straight-through path in which the channels of any one layer are in radial alignment with a small percentage of the channels of any of the other tapes, and those which are in alignment being approximately uniformly spaced radially through the insulation.

2,275,188
DOUBLE AGED COPPER BASE ALLOYS
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 1, 1940, Serial No. 349,297
2 Claims. (Cl. 148—21.2)

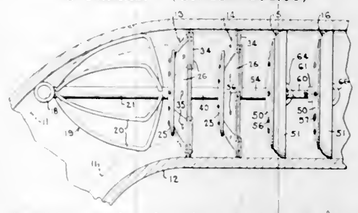
1. The process for improving the properties of a precipitation hardenable alloy consisting of 0.2% to 3% zirconium with the remainder copper which comprises fully precipitation hardening said alloy, superimposing a condition of strain upon the precipitation hardened alloy and thereafter aging the alloy at a temperature below that which effects any recrystallization in the alloy and below the temperature employed in precipitation hardening said alloy.

2,275,189
DISHWASHING MACHINE
Albert O. Wieghart, Chicago, Ill.
Application April 22, 1939, Serial No. 269,316
5 Claims. (Cl. 141—9)



1. The combination in a dish washing machine, of a tank, a pump casing forming a downward extension of the tank and providing a cylindrical chamber communicating with the tank, a conduit having its lower end coiled spirally and opening into one edge of said chamber and its upper end vertical and positioned in the tank, a motor actuated rotor disc positioned in said chamber and operable to deliver water under pressure through said conduit, the axis of rotation of said disc being concentric with said tank and with said upper end of the conduit.

2,275,190
WATER MAIN CLEANING DEVICE
William G. Lowry, Cincinnati, Ohio
Application March 18, 1940, Serial No. 324,561
3 Claims. (Cl. 15—104.06)



1. A water main cleaning device comprising a shaft, a disc mounted on said shaft, a plurality of studs extending from said disc, a plurality of segment cleaning blades mounted on said studs, tension means for normally maintaining said blades against said disc, said blades overlapping each other adjacent the scraping edge, and a piston for propelling said device through a water main.

2,275,191
STOCKING PROTECTOR
Solomon E. Schwartz and Seymour E. Schwartz, New York, N. Y.
Application October 27, 1939, Serial No. 301,562
2 Claims. (Cl. 36—58.5)



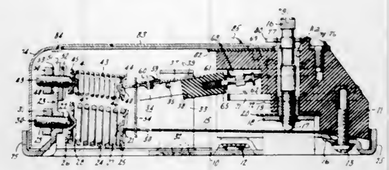
1. A stocking protector of the character described comprising base and front portions with the base portion having a coating of adhesive adapted to be attached to the inside heel portion at the back of a shoe, said front portion being of soft pliable material against which a foot is adapted to frictionally engage and protect a stocking on the foot of a user at the place of contact with the protector, a flexible tubular member free of adhesive and of a length substantially the longitudinal length of the protector and arranged to lie below and parallel to the upper edge of the shoe at the back thereof and being secured adjacent the top of said protector to the adhesive surface on the base portion with the non-adhered portion of the tubular member arranged for engaging the inside of the shoe and adapted to flex in any direction under pressure of the foot.

2,275,192
CONTROL SYSTEM
Carl A. Bailey, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 16, 1939, Serial No. 309,603
3 Claims. (Cl. 242—45)



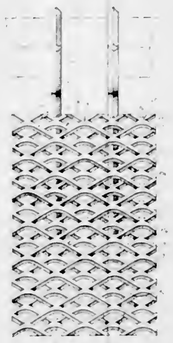
1. A control system for apparatus for reeling a length of material comprising an electric valve provided with anode, cathode and control grid, driving means for the reel comprising an electric motor connected in the anode-cathode circuit of said valve, means connected to the cathode grid circuit of said valve and responsive to a variation in the tension of said material for supplying a control voltage to said grid to vary the current supplied to said motor to counteract said variation in tension, and means for preventing hunting comprising an electrical energy storage device having connections to said cathode-anode circuit to have energy stored therein in response to the current of said anode-cathode circuit and connected in said cathode grid circuit so that the algebraic sum of said control voltage and the voltage of said energy storage device is applied to said grid.

2,275,193
TEMPERATURE CONTROL DEVICE
Wallace J. Ettinger, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application September 26, 1939, Serial No. 296,611
14 Claims. (Cl. 200—139)



1. In a temperature control device, switch means, temperature responsive means, elastic means associated with said temperature responsive means to cause a snap action movement thereof upon the occurrence of a predetermined temperature, and means for actuating said switch means in accordance with movement of said temperature responsive means, said means including motion transmitting means located between said switch means and said temperature responsive means and loosely connected to each so as to provide a small amount of movement of said temperature responsive means relative to said switch means prior to said snap action movement of said temperature responsive means.

2,275,194
ELECTRODE
Robert Raymond Sizelove, Irvington, N. J., assignor to Frederick Gumm Chemical Co., Inc., Kearny, N. J., a corporation of New Jersey
Application February 1, 1940, Serial No. 316,746
1 Claim. (Cl. 204—284)



An electrode for an electrocleaning bath, said electrode comprising two superposed interconnected grills extending parallel to each other in vertical planes, each of said grills comprising a plurality of transverse bars, each bar having the form of a rectangle in cross section which has shorter front and rear sides and longer top and bottom sides and which is obliquely inclined to said vertical planes, the edges of the bars between said front and top sides being situated in one vertical plane and the edges of the bars between said rear and bottom sides being situated in an-

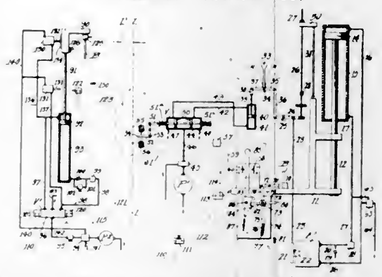
other single vertical plane, each bar comprising a plurality of peak portions, a separate valley portion situated between each pair of peak portions, and obliquely inclined side portions of equal size connecting the valley portions with the peak portions, each peak portion of a bar being connected to a valley portion of an adjacent bar, whereby said bars enclose diamond-shaped apertures; the bars of one grill being shifted in relation to the bars of the other grill to locate each peak portion and the valley portion connected thereto of the underlying grill substantially in the middle of an aperture of the upper grill, whereby the side portions of the two grills engage each other and are connected to each other substantially in the middle of the side portions.

2,275,195
GIN POLE
Harold J. Martin, Chicago, Ill., assignor to The L. E. Myers Co., Chicago, Ill., a corporation of Delaware
Application July 3, 1940, Serial No. 343,752
3 Claims. (Cl. 254—143)



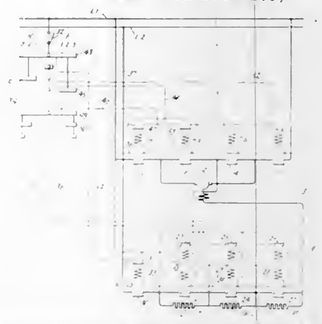
2. A gin pole comprising a tubular base member; a U-shaped bracket pivotally embracing said member; a tubular lower pole section pivotally mounted in said bracket; a tubular upper pole section slidably mounted in said lower section; guide pulleys arranged diametrically at the top of said lower pole section, there being slots in the sides of the lower pole section registering with said pulleys; two cable sections secured to the lower end of said upper pole section and passing outwardly through said slots and downwardly over said pulleys, said cable sections being secured together at their lower ends to form a bridle; a cable attached to said bridle; a guide pulley mounted on said U-shaped bracket and said last mentioned cable passing thereunder; an upwardly extending nipple connected with the top of said upper pole section; a supporting head swivelled on said nipple; a pulley bracket on said supporting head carrying a guide pulley; a hoisting cable passing over said last mentioned guide pulley and downwardly through said nipple and pole sections, there being a slot in the side of said lower pole section near its bottom; and a bracket secured to said lower pole section and carrying a guide pulley registering with said last mentioned slot, said hoisting cable passing outwardly through said last mentioned slot and under said last mentioned guide pulley.

2,275,196
CONTROL MECHANISM FOR VERTICAL HYDRAULIC BROACHING MACHINES
Kenneth C. Monroe, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application July 12, 1938, Serial No. 218,870
17 Claims. (Cl. 90—33)



1. In a vertical hydraulic pull-down broaching machine comprising a puller head, a lifter head, a reversible-discharge pump for said puller head and hydraulic shifting mechanism for said pump, that improvement which consists in providing auxiliary hydraulic operating means for said lifter head, and control devices for said auxiliary means which vent said auxiliary means after said lifter head has completed its down stroke and thereby permit said lifter head to be moved upward a limited distance by said puller head without substantial hydraulic resistance to such movement.

2,275,197
CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,933
13 Claims. (Cl. 172—179)



1. A time interval motor control system comprising a plurality of resistor sections in the motor armature circuit, a plurality of switching means each including a shunting switch for shunting said resistor sections, electromagnetic time delay means for effecting operation of at least one of said shunting switches a predetermined time after another of said switching means has operated including a magnetic structure provided with an armature normally biased to one position and arranged to be attracted and moved against said bias to an attracted position but also arranged to be magnetically restrained in said normal position, means for magnetically energizing said magnetic structure including a main winding and an auxiliary winding, means

for energizing said main winding and said auxiliary winding, said windings when simultaneously energized serving magnetically to restrain said armature in said normal position, and means controlled by operation of said other one of said switching means to control said auxiliary winding thereby enabling said main winding to overcome the magnetic effects of said auxiliary winding on said armature after a substantial time interval has elapsed and effect operation of said armature to said attracted position after a substantial time delay, thereby to effect substantial time delay operation of said one shunting switch by the interaction of magnetic effects of said energized main winding and said controlled auxiliary winding.

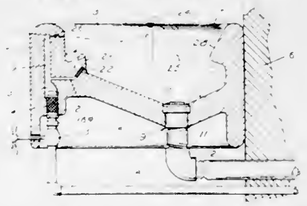
2,275,198
COATED METAL WIRE
Winton I. Patnode and William J. Scheiber, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 2, 1940, Serial No. 332,977
5 Claims. (Cl. 260—24)

1. Copper wire having a smooth, glossy, continuous, flexible coating tightly adhering thereto comprising a superpolyamide modified with 10 to 40 per cent by weight shellac based on the superpolyamide.

2,275,199
CELLULOSIC SPINNING SOLUTION
Thomas A. Printon, South Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 4, 1938, Serial No. 205,987
7 Claims. (Cl. 106—166)

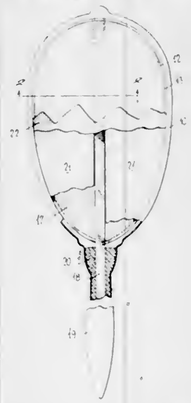
1. A spinning solution for the manufacture of low lustre products comprising an aqueous cellulosic solution having dispersed therein a mixture of a sulfonation product of a material selected from the class consisting of animal, vegetable and marine oils, fats and their respective fatty acids and fatty esters, the sulfonation product being characterized by having a moisture content of not more than 3.0% and an inorganic salt content of not more than 0.2% by weight and an oily delustering agent, the quantity of said sulfonation product based on the weight of the delustering agent being between 2.5% and 15% in said mixture.

2,275,200
SANITARY DRINKING FOUNTAIN
Drue McBride Purdom, Cincinnati, Ohio
Application November 12, 1938, Serial No. 239,946
3 Claims. (Cl. 299—12)



1. In a drinking fountain the combination of a bowl having a discharge drain in the bottom and adjacent one side thereof, an inclined nozzle disposed in a recess in the bowl upon the opposite side of the bowl and adapted to create a jet of water above the bowl which terminates in the vicinity of the drain, a plurality of orifices formed in the side wall of the bowl above the nozzle and positioned on both sides of the plane of direction of the water jet and adapted to create a curtain of water about the jet and meeting said jet near the discharge drain and a splash guard for the side wall near the drain.

2,275,201
HAND MIRROR AND THE LIKE
Alfred F. Reilly, North Attleboro, Mass.
Application October 8, 1941, Serial No. 414,211
5 Claims. (Cl. 88—102)

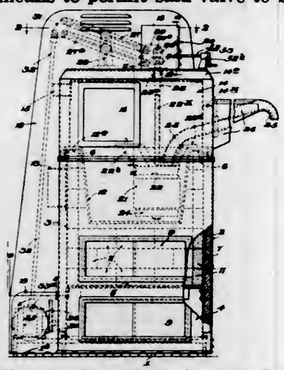


1. In a hand mirror or the like, a thin metallic frame, a hollow handle on the frame, inwardly turned flanges at both front and back of the frame, a thin metal insert sheet, an upwardly turned flange about the periphery of the insert sheet engaging the flange at the back of the frame and holding the plate in the frame, a reinforcing sheet of cardboard cemented on the sheet within the flange, a stick extending from within the handle into the frame at a point opposite the handle, a reinforcing element in the handle holding the stick in place, a pair of reinforcing plywood inserts one on each side of the stick and overlying the cardboard sheet and the flange on the metal insert sheet and pressing the flange into engagement with the flange in the frame, a heavy cardboard member overlying the stick and plywood inserts and holding them in place, a mirror in the front of the frame pressing on the last mentioned cardboard member and holding all parts in more or less rigid reinforcing contact.

2,275,202
PUMP FOR MOLTEN METAL
William P. V. Ross, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application July 3, 1940, Serial No. 343,905
15 Claims. (Cl. 22—70)

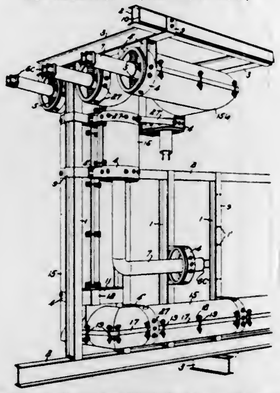
1. In a metal pump having a casing containing a melting pot having a pumping cylinder and having a continuously reciprocating piston in said cylinder; a valve chest having an inlet from said cylinder and having an outlet provided with a spout; said valve chest having a return duct discharging into the pot; a valve in said chest adapted to be moved by the piston into positions across the outlet and return duct; means for normally holding said valve in position to close the outlet and to open the return duct;

and manually operable means for releasing the holding means to permit said valve to be shifted



into position to close the return duct and open the outlet.

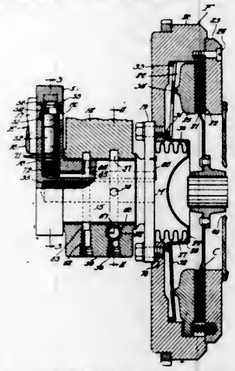
2,275,203
ELECTRICAL BUS SYSTEM
Harold H. Rudd, Greensburg, Pa., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application October 6, 1937, Serial No. 167,639
25 Claims. (Cl. 174—99)



14. In an enclosed electrical power transmission system, an insulator frame for securing a power conductor and its enclosure to a rigid structure, said frame comprising an annular section for encircling the conductor and having cylindrical seats at the opposite faces thereof to receive the ends of longitudinally-mating housing-forming plates, bracket means extending from the frame between said cylindrical seats for mounting said frame upon the rigid support, and conductor-mounting means including at least one member adjustably mounted upon said frame between said cylindrical seats for mounting said conductor within and insulating the same from said frame.

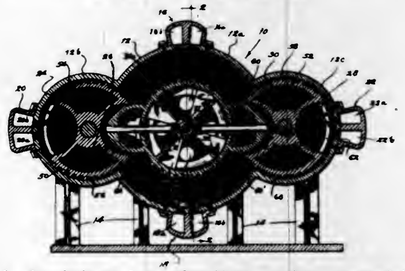
2,275,204
FLUID OPERATED CLUTCH
Richard L. Smirl, Bellwood, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 20, 1939, Serial No. 268,851
11 Claims. (Cl. 192—85)

1. In a clutch system for coupling a driven member to a prime mover having a crankshaft, a fluid operated clutch, means for delivering fluid under pressure to said clutch for operating the same, and means for controlling the pressure of such fluid and thereby controlling the engagement and disengagement of the clutch,



comprising a centrifugal valve mounted in the crankshaft and adapted to move, under the urge of centrifugal force and against the pressure of the fluid acting on said clutch, toward a closed position whereinf it permits the fluid pressure to build up for effecting clutch engagement.

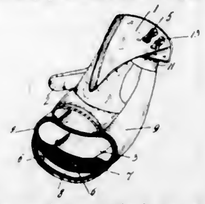
2,275,205
ROTARY ENGINE
Edward L. Straub, Anaheim, Calif.
Application July 18, 1938, Serial No. 219,763
3 Claims. (Cl. 123—13)



1. An internal combustion engine comprising in combination and including a housing structure therefor, an impulse unit, lobes on said impulse unit, combustion chamber units adapted to synchronously rotate with said impulse unit, said units being formed with recesses adapted to receive said lobes in such manner that an edge of one of said recesses is in constant contact with one of the faces of one of said lobes from the beginning to the end of a cycle of engagement thereof, means to introduce fuel into a combustion chamber at the time of approximate maximum engagement of one of said lobes and recesses, means to ignite fuel, and means to scavenge the products of combustion thereof.

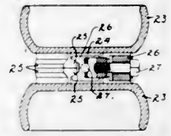
2,275,206
PNEUMATIC BOXING GLOVE
Frederick Henery Sutherland, Five Dock, New South Wales, Australia
Application October 26, 1939, Serial No. 301,503
3 Claims. (Cl. 2—18)

1. A boxing glove comprising a hand receiving portion and a hollow flexible casing on the back of the hand receiving portion, a padding unit removably arranged within the casing including an inflatable member arranged adjacent the hand receiving portion of the glove, a resilient



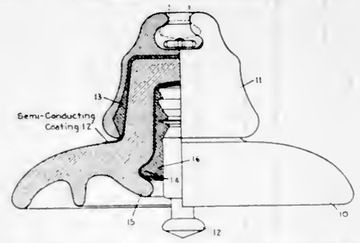
cushioning element mounted on said inflatable member, a second inflatable member secured to the cushioning element and arranged adjacent the outer wall of the casing, and means to inflate said members independently of each other.

2,275,207
FITTING FOR POST INSULATORS
John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application May 3, 1940, Serial No. 333,125
7 Claims. (Cl. 174—150)



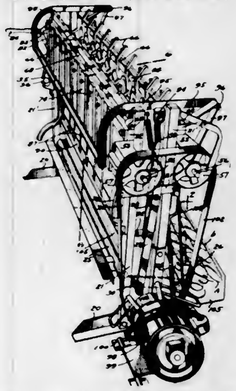
1. An insulator cap having a support engaging face provided with a slot with side walls converging longitudinally of said slot, a connector member disposed in said slot and threaded means for moving said connector member longitudinally of said slot to wedge said connector member in said slot.

2,275,208
ELECTRIC INSULATOR
John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 11, 1940, Serial No. 344,941
1 Claim. (Cl. 174—140)



In combination, a dielectric member having a radial flange, and having a boss on the upper side of said member and a recess extending into said boss from the lower side of said member, a cap secured to said boss and terminating adjacent the surface of said flange, a pin secured within said recess, a semi-conducting coating electrically connected with said cap and extending over the upper surface of said flange away from said cap and terminating on the radially extending portion of said surface, the wall of said recess being shaped to form a circumferential pocket within said recess and adjacent the mouth thereof, said pocket being partially closed at its lower side by a downwardly and inwardly extending lip on the lower side of said dielectric member, and conducting means on the inner surface of said recess and pocket terminating within said pocket, the terminal edge of the portion of the inner surface of said recess in contact with said conducting means being directed inwardly toward the axis of said insulator while the terminal edge of the semi-conducting coating on the upper surface of the flange is directed outwardly away from the axis of the insulator so that electrostatic lines of force connecting the terminal edges of the conducting means on the opposite surfaces of said dielectric member will be contained chiefly within the body of said dielectric member and will be directed away from the terminal edges of the conducting means on said surfaces.

2,275,209
MATTRESS SPRING BINDING MACHINE
Edward Turgeon, Minneapolis, Minn., assignor, by mesne assignments, to Nachman Spring-filled Corporation, Chicago, Ill., a corporation of Illinois
Application September 5, 1939, Serial No. 293,334
57 Claims. (Cl. 140—3)



1. In a machine of the kind described, co-operating frame members, at least one of which is movable laterally toward and from the other, co-operating spring-positioning devices on the co-operating frames arranged to position and hold coiled body springs with corresponding end coils in closely associated relation, feeding and guiding devices on said frame members for guiding and feeding, with spiral travelling movement, coiled tie-wires around the closely associated end coils of aligned springs, means for moving said frame members toward and from each other, and reciprocating ejector plungers operative on the end coils of said springs to progressively feed the fabricated spring assembly to and from tie-wire-assembling positions.

2,275,210
PROCESS FOR LIQUID PURIFICATION
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application January 14, 1938, Serial No. 185,069
7 Claims. (Cl. 210—24)

1. A process of liquid purification which com-

prises simultaneously exchanging anions and cations by contacting the liquid with a solid amphoteric organic material of low solubility in water and having both anion and cation exchanging properties.

2,275,211

PROCESS FOR LIQUID PURIFICATION

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

No Drawing. Application January 17, 1938, Serial No. 185,471
5 Claims. (Cl. 210—24)

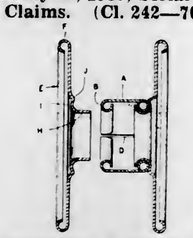
1. A process of liquid purification which comprises exchanging cations by contacting the liquid with a solid, water insoluble basic salt of a polybasic organic acid and an amphoteric metal, said salt having cation exchanging properties.

2,275,212

SPOOL FOR ADHESIVE TAPE

Octave Le Clair Valentine, Devon, Conn., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

Application May 22, 1939, Serial No. 275,067
4 Claims. (Cl. 242—70)



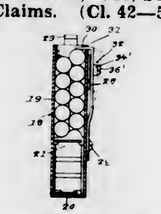
1. A spool comprising a tubular core member having a beaded end, a disc-shaped head fashioned with an undercut groove portion constituting a seat for the beaded end of the core, with a portion of said seat radially outward from and surrounding said bead to hold said core against radial expansion, said head also having a portion inserted within said bead with its inner end expanded into locking engagement therewith.

2,275,213

RIFLE MAGAZINE

Charles R. Wise, Charleston, W. Va.

Application September 5, 1940, Serial No. 355,517
6 Claims. (Cl. 42—50)



6. An ammunition magazine comprising a casing having a discharge throat, a spring member mounted on the side of the casing having a transverse portion normally retracted from but movable across the discharge throat to retain ammunition in the casing, catch means movable into engagement with the spring member to lock the same in either of the above-mentioned positions, and resilient means coactive with the catch means to automatically position the same in locking relation to the spring member.

2,275,214

REPLACEABLE SHOE HEEL

Oscar Alvistur, San Francisco, Calif.

Application February 24, 1941, Serial No. 380,195
4 Claims. (Cl. 36—36)



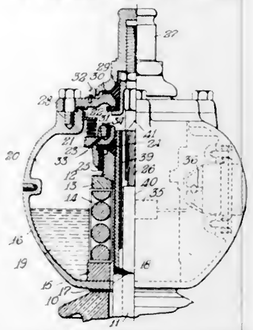
1. A replaceable shoe heel comprising a depressed metal member capable of being fastened onto the heel portion of a shoe, a plurality of oblong strips of resilient material mounted into said depressed member and arranged substantially in parallelism therein, a plurality of oblong strips of a harder material than the first-mentioned strips interposed between the first-mentioned strips, said strips of the harder material having a width and thickness that is less than the width and thickness of the resilient material, and means for detachably fastening said strips to said depressed member.

2,275,215

EXPANSION CHAMBER FOR BUSHING INSULATORS

Thomas F. Brandt, Barberton, and Harold L. Brouse, Akron, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application March 15, 1939, Serial No. 261,980
4 Claims. (Cl. 174—12)



1. The combination with a bushing insulator having an expansion chamber mounted on the upper end thereof, a tension member extending through said insulator and into said expansion chamber, a spring for holding said expansion chamber against the end of said bushing insulator, a stop surrounding said tension member and secured thereto and bearing on said spring at one end thereof, the other end of said stop being inwardly beveled to form a packing groove surrounding said tension member, a flexible seal attached to the wall of said expansion chamber for closing said chamber, a collar surrounding said tension member and having fluid type connection with said seal and having a beveled face registering with said packing groove and packing in said packing groove and engaged by the beveled face of said collar to form a tight joint between said seal and said tension member.

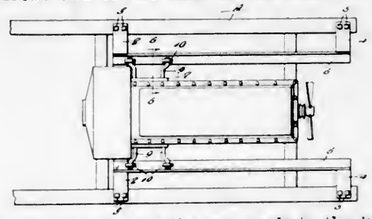
2,275,216

ENGINE REMOVER AND REPLACER

Benny Broccoli, Providence, R. I.

Application July 23, 1941, Serial No. 403,769
1 Claim. (Cl. 29—84)

In a device of the class described, a U-shaped bracket having outwardly extending end portions for bolting to a part of a vehicle frame, a pair of inverted L-shaped brackets having horizontal parts adapted to be bolted to the front part of a vehicle frame with their vertical parts extending downwardly, a pair of rails, means for connecting the front end of the rails to the lower ends of



the vertical parts and the rear ends to the intermediate portions of the limbs of the U-shaped member, plates adapted to be connected with the crankcase by certain bolts of the crankcase and at the rear end thereof, arms extending outwardly from the plates and rollers on the arms engaging the rails.

2,275,217

ELECTROLYTIC PROCESS OF TREATING WHOLE DISTILLERY SLOP

Charles J. Brockman, Athens, Ga.

No Drawing. Application June 9, 1937, Serial No. 147,353
3 Claims. (Cl. 204—137)

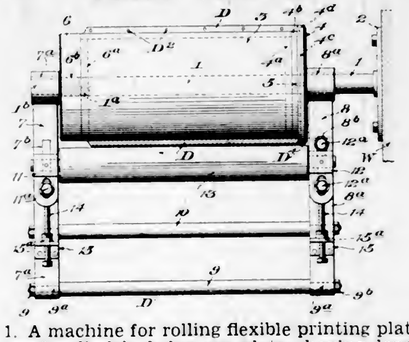
1. A process of treating slop produced in the manufacture of alcohol containing distilled liquids which comprises electrolyzing whole slop at an elevated temperature below boiling at a pH of 3.6–7.0 by direct current of a density of at least 30 amperes per square foot of electrode surface to coagulate the solids therein, and collecting the said solids.

2,275,218

PLATE FORMING MACHINE

George W. Chambers, Tucson, Ariz., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application August 14, 1940, Serial No. 352,633
5 Claims. (Cl. 153—46)



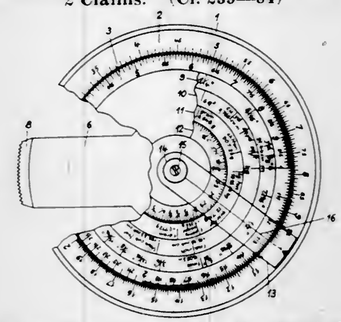
1. A machine for rolling flexible printing plates around cylindrical dummy plates having longitudinal gaps of less than 180° arcuate length, comprising a fixed member adapted to support a dummy plate through internal engagement therewith; a frame mounted coaxially of the dummy plate and adapted to be rotated around the same; said frame comprising arms journaled coaxially of the fixed member at opposite sides thereof and connected together at their outer ends to form a rigid structure, one of said arms being of thickness less than the width of the gap in the dummy plate whereby the dummy plate may be slipped over the end of the fixed member; and a presser roll freely journaled in the frame opposite the member and adapted to contact with said dummy plate; whereby when a flexible printing plate is secured at one end to one side wall of the gap in the dummy plate mounted on the member and the frame rotated, the printing plate will be rolled around said dummy plate.

2,275,219

CIRCULAR SLIDE RULE

Walter Daemen, Uster, Switzerland

Application July 7, 1939, Serial No. 283,277
2 Claims. (Cl. 235—84)



1. In a slide rule, a disc the front face of which is recessed, a second disc rotatably mounted in said recess with its exposed face flush with the exposed portion of the front face of the first disc, the exposed face of the first disc having an annular scale, the second disc having adjacent its periphery and on its exposed face an annular scale cooperative with the annular scale of the first disc, a cursor freely pivotally mounted at the axis of rotation of the second disc and overlying the exposed front faces of said discs and being provided with a hair line, the first disc having a central bearing opening and the second disc having a hub lying in said opening, and a lever lying against the back of the first disc and rigidly secured to said hub and projecting beyond the periphery of the first disc.

2,275,220

METHOD OF AND APPARATUS FOR MAKING CLOSURE CAPS

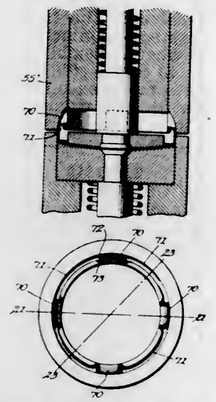
Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Original application February 20, 1933, Serial No. 657,734. Divided and this application February 6, 1935, Serial No. 5,312
41 Claims. (Cl. 153—48)

1. The method of making a closure cap from a blank having a top and a substantially cylindrical flange terminating in a free edge, which comprises the steps of curling the free edge of the flange inwardly to form a partial bead around the entire circumference of the flange, continuing the curling of the partial bead to substantially complete the same entirely around the circumference except at circumferentially spaced portions, turning the partially formed bead at said spaced portions radially inwardly to form projections, and bending the projections toward the top of the cap to form upwardly and inwardly inclined lugs.

15. An apparatus for forming metal caps in-

cluding a die having an annular groove to curl inwardly the edge of a cup-shaped blank to form an in-curled bead, said annular groove having



cut-out portions at intervals in its inner wall only to permit portions of the blank to be drawn inwardly to form lugs.

2,275,221

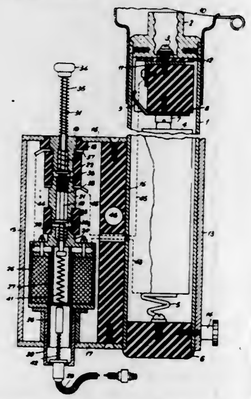
FLASHLIGHT SYNCHRONIZING APPARATUS

Edward Arthur Herbert Goldring, Welwyn Garden City, England, assignor to Murphy Radio Limited, London, England

Application May 6, 1940, Serial No. 333,553

In Great Britain May 20, 1939

3 Claims. (Cl. 67—29)



1. The combination with a flash lamp having a battery-fed igniter caused to incandesce and rupture by the passage of current through it, of means for synchronously operating said flash lamp and a photographic shutter, comprising a casing attached to said flash lamp, an actuating push sliding against spring action in said casing, a solenoid in said casing, a core moveable within said solenoid and aligned with said actuating push, a spring interposed between said push and said core, a flexible shutter release connected with said casing and adapted to be connected with the shutter having its wire abutting upon said armature, means connecting said solenoid in series with the igniter of said flash lamp and its battery, contacts adapted to be brought together by depression of said push included in the circuit of said battery, and further contacts adapted to be separated by further depression of said push connected with the terminals of said igniter.

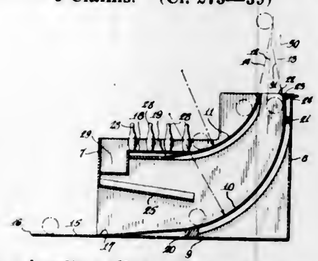
2,275,222

BOWLING ALLEY

Robert H. Farquhar, Philadelphia, Pa.

Application January 2, 1941, Serial No. 372,709

6 Claims. (Cl. 273—39)



6. In a bowling alley, going and return curved upwardly directed alleys having the upper effective ends of the alleys converging from opposite sides toward a vertical plane, having the upper terminals of the two alleys approximately of the same height above the going alley and the curved length of the return alley greater than the circumference of the ball normally used.

2,275,223

RUSTPROOF MATERIAL AND PROCESS

Robert H. Hardoen, Xenia, Ohio

No Drawing. Application October 20, 1936, Serial No. 106,615

26 Claims. (Cl. 204—56)

1. A metallic article including a double oxide surface coating of electrochemically deposited mineralogical analogue of magnetite comprising a double oxide of iron and a metal selected from a group of non-ferrous metals consisting of copper, chromium, tin, zinc, manganese, nickel and lead.

7. The herein described method of rustproofing iron or steel articles including the steps of providing an alkali bath of approximately twenty to twenty-five per cent concentration adding iron in solution to the bath, suspending therein as a cathode an iron or steel article to be treated, and an anode of a metal selected from a group of metals consisting of copper, chromium, tin, zinc, manganese, nickel and lead and circulating electric current therebetween of approximately three and a half amperes per square decimeter of surface to be coated whereby there is deposited upon the cathode article a magnetite analogue of the anode metal.

2,275,224

MULTIPLEX COMMUNICATION SYSTEM

François Charles Pierre Henroteau, Ottawa, Ontario, Canada

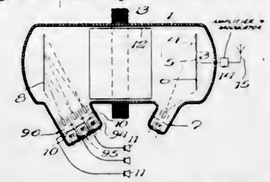
Application March 5, 1941, Serial No. 381,906

In Belgium March 6, 1940

3 Claims. (Cl. 250—9)

1. A multiplex communication system comprising a central station including an envelope containing a number of mosaics, means for scanning said mosaics simultaneously by different slow moving electron releasing beams and means for scanning said mosaics successively by a single fast moving electron releasing beam in a time no greater than that elapsing during the scanning of one area by one of the slow moving

beams, and a number of substations no greater than the number of mosaics at the central station and each including an envelope, the envelope at each different substation containing only a single mosaic corresponding in position to a different mosaic at the central station, means for scanning each single mosaic by a slow moving electron



beam synchronously with the scanning by the slow moving electron beams at the central station, and means for scanning each single mosaic by a fast moving electron beam synchronously with the scanning of the mosaic at the central station with which it corresponds in position by the first mentioned fast moving electron beam.

2,275,225

MILK CUSTARD BEVERAGE

Wilbert H. Hubbell, Washington, D. C.

No Drawing. Application April 18, 1939, Serial No. 268,573

2 Claims. (Cl. 99—54)

2. The method of producing a substantially stable milk custard in liquid form for beverage purposes which consists in adding uncooked eggs to liquid milk and agitating the mixture to uniformly mix said ingredients while heating the mixture at normal or atmospheric pressure to partially coagulate the serum solids therein, the temperature of the mix being maintained below 212° F. and the agitation being such as to minimize aeration of the mix, adding flavoring materials to the mix, and then reducing the temperature of the mix to less than 60° F.

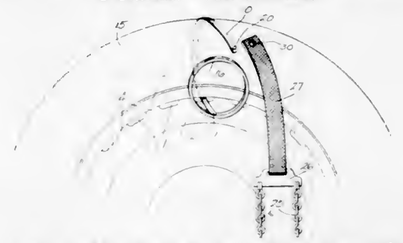
2,275,226

CONNECTOR

David W. Hudson, Green Bay, Wis., assignor to Alden Hudson, Green Bay, Wis.

Application September 25, 1940, Serial No. 358,211

5 Claims. (Cl. 24—208)



1. In combination a strap having a tubular rivet with opposing flanges embedded in the strap, said rivet providing an anchorage socket extending through the strap and a laterally restricted access opening of elongated form leading to said socket from one face of said strap, said socket adjacent the other face of the strap having a width substantially equal to the greatest length of said opening, together with a coacting strap having a button with a relatively small base adjacent the last mentioned strap and an elongated head receivable through the elongated opening of said rivet when aligned therewith, the height of said button being such that said head does not project through said rivet but is engageable in the wider anchorage portion thereof upon angular displacement from its position of entry only when inserted through the aforesaid opening.

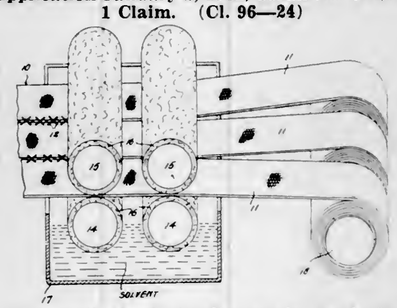
2,275,227

METHOD OF PRODUCING LACE STRIPS

Nathan Kaminow, Long Beach, N. Y.

Application January 2, 1941, Serial No. 372,940

1 Claim. (Cl. 96—24)



In a method of simultaneously producing a quantity of lace strips, the steps of manufacturing a netted fabric made up of a quantity of longitudinally extending strip-forming portions disposed in side by side relation and of a material insoluble in cellulose ester solvents and with the strip-forming portions secured together longitudinally thereof by a connection joining adjacent edges of adjacent strip-forming portions and of a material soluble in cellulose ester solvents and thereafter passing said fabric between absorbent surfaced rollers coated with a cellulose ester solvent for applying to and dissolving the connection joining the adjacent edges of said strip-forming portions and then separating said strip-forming portions in spaced apart relation and winding the same upon a member rotating in timed relation with said rollers.

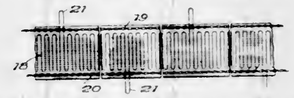
2,275,228

ELECTRIC HEATING ELEMENT

Byron V. Mitchell, Jamaica, N. Y.

Application June 26, 1941, Serial No. 399,903

4 Claims. (Cl. 219—46)



1. An electrical heating member of woven tape-like formation, the weft of said woven body being formed of a metallic filament, and electrical conductors woven in the selvage at opposite sides of the tape lengthwise of said tape, said metallic filament contacting said conductors at predetermined points spaced lengthwise of the tape with equal lengths of filament disposed between each two successive points of contact.

2,275,229

TELEVISION APPARATUS

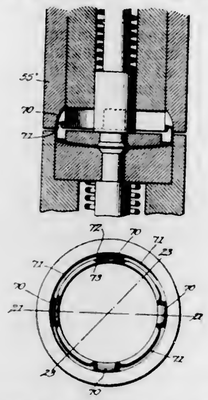
Anthony Morch and John Morch, Jamaica, N. Y.

Application May 22, 1940, Serial No. 336,665

1 Claim. (Cl. 178—7.5)

The combination with a radio receiver cabinet having a sight opening for exposure of television images therethrough, an enlarging lens closing said sight opening, an open-ended housing ex-

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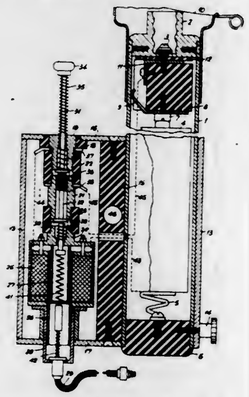
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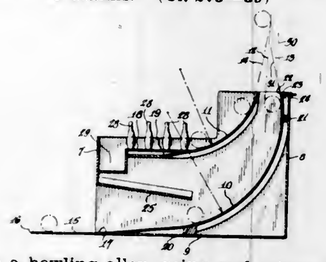
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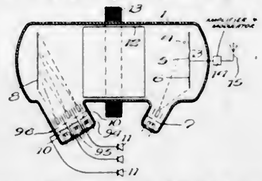
2,275,224

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François Charles Pierre Henroteau, Ottawa, Ontario, Canada

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2,275,225

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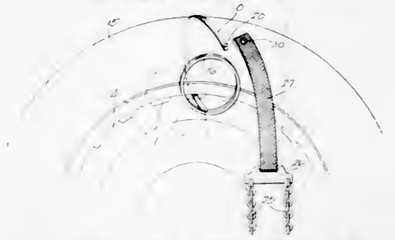
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2,275,226

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Application September 25, 1940, Serial No. 358,211
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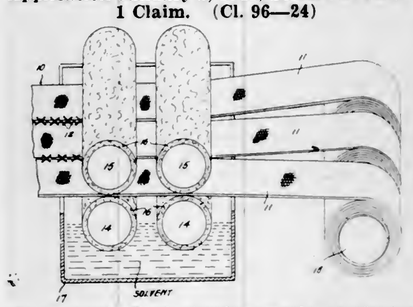
1. In combination a strap having a tubular rivet with opposing flanges embedded in the strap, said rivet providing an anchorage socket extending through the strap and a laterally restricted access opening of elongated form leading to said socket from one face of said strap, said socket adjacent the other face of the strap having a width substantially equal to the greatest length of said opening, together with a coacting strap having a button with a relatively small base adjacent the last mentioned strap and an elongated head receivable through the elongated opening of said rivet when aligned therewith, the height of said button being such that said head does not project through said rivet but is engageable in the wider anchorage portion thereof upon angular displacement from its position of entry only when inserted through the aforesaid opening.

2,275,227

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Nathan Kaminow, Long Beach, N. Y.

Application January 2, 1941, Serial No. 372,940
1 Claim. (Cl. 96—24)



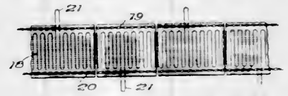
In a method of simultaneously producing a quantity of lace strips, the steps of manufacturing a netted fabric made up of a quantity of longitudinally extending strip-forming portions disposed in side by side relation and of a material insoluble in cellulose ester solvents and with the strip-forming portions secured together longitudinally thereof by a connection joining adjacent edges of adjacent strip-forming portions and of a material soluble in cellulose ester solvents and thereafter passing said fabric between absorbent surfaced rollers coated with a cellulose ester solvent for applying to and dissolving the connection joining the adjacent edges of said strip-forming portions and then separating said strip-forming portions in spaced apart relation and winding the same upon a member rotating in timed relation with said rollers.

2,275,228

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Application June 26, 1941, Serial No. 399,903
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2,275,229

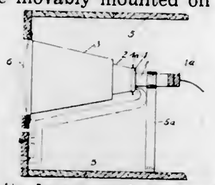
TELEVISION APPARATUS

Anthony Morch and John Morch, Jamaica, N. Y.

Application May 22, 1940, Serial No. 336,665
1 Claim. (Cl. 178—7.5)

The combination with a radio receiver cabinet having a sight opening for exposure of television images therethrough, an enlarging lens closing said sight opening, an open-ended housing ex-

tending within said cabinet from about said sight opening and said lens, said housing being constituted in complementally tapered sections adapted for length adjustment telescopically, a support within said cabinet, and a cathode-ray receiver tube movably mounted on said support



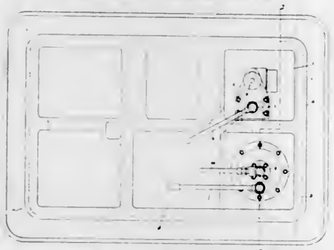
and having its larger end enclosed within the free end of the smaller movable section of said housing, said receiver tube being adjustable on said support and relatively to and with said smaller housing section to position the image screen of the receiver tube in optical focus with said lens.

2,275,230

PUMP

Arthur Hitchcock Orcutt, Birmingham, England, assignor to The Gear Grinding Company Limited, Birmingham, England

Application February 14, 1938, Serial No. 190,528
In Great Britain February 25, 1937
3 Claims. (Cl. 103—42)



1. Means for supplying pressure fluid to fluid-operated machine tools such as metal grinding or cutting machines, comprising the combination of a closed chamber having an inlet and at least one outlet at different positions, and having rigid walls, the chamber being of large capacity, and its outlet being arranged so that the chamber can be completely filled with working fluid, a reservoir for the fluid, a pump for supplying working fluid from the said reservoir to the inlet of the said chamber, means for conveying fluid from the outlet of the said chamber to the parts of the machine to be operated, and a constantly open by-pass situated between the delivery side of the said pump and the inlet of the said chamber, the said pump being adapted to supply fluid in excess of the requirements of the machine to be operated, and the said by-pass serving to return the excess fluid to the said reservoir.

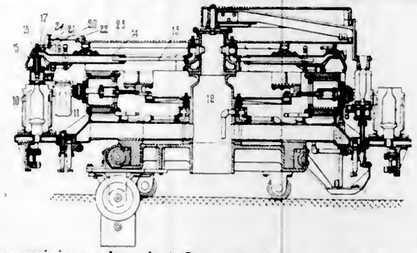
2,275,231

FORMING MACHINE FOR HOLLOW GLASSWARE

Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York

Application September 7, 1937, Serial No. 162,744
In Great Britain September 9, 1936
1 Claim. (Cl. 49—19)

In combination, an air conduit mounted for translational movement along a circular path about a fixed axis, a stationary cam track concentric with the path of movement of the conduit, a valve in the conduit, a lever provided with a fulcrum, and having one end operatively connected to the valve and its other end disposed in cam following relation to said cam track, and means for adjustably supporting the fulcrum of the lever with respect to the conduit, said means



comprising a bracket fixed to the conduit, a block vertically slidable with respect to the bracket, a vertically disposed spindle journalled in the bracket and restrained against axial movement with respect thereto, a threaded connection between the spindle and the block, whereby upon rotation of the spindle the block is raised or lowered, and a fulcrum pin for the lever carried by the block.

2,275,232

TREATING HYDROCARBON FLUIDS

Francis Owen Rice, Montgomery County, Md., assignor, by mesne assignments, to Process Management Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1939, Serial No. 276,809
10 Claims. (Cl. 260—683)

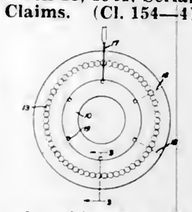
1. A process for treating hydrocarbons capable of thermal decomposition to form olefin hydrocarbons of lower molecular weight which comprises intimately mixing with said hydrocarbons a small proportion of oxygen at a temperature insufficiently high to effect any reaction of said oxygen with said hydrocarbons and then rapidly heating the resulting mixture in the absence of halogens and halogen compounds to a temperature effective to promote decomposition of said hydrocarbons in the absence of said oxygen whereby the oxygen present in said mixture accelerates said decomposition to a rate substantially greater than could be attained under similar conditions in the absence of said oxygen.

2,275,233

METHOD OF MAKING V-BELTS

Norman J. Ritzert, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application March 13, 1941, Serial No. 383,195
8 Claims. (Cl. 154—4)



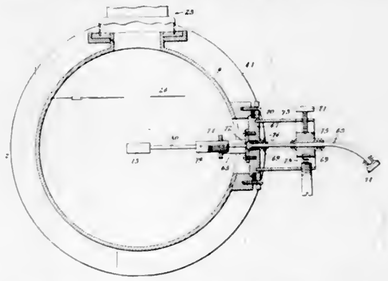
2. A process of making long length belts of the V-type comprising building up the belt body on the surface of a mandrel or drum, and cutting the belt body to form long length belts of the desired width, said cutting being made longitudinally across the face of the drum or mandrel parallel to the axis of the drum or mandrel.

2,275,234

ELECTRON DIFFRACTION CAMERA

John E. Ruedy, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 25, 1940, Serial No. 331,620
5 Claims. (Cl. 250—49.5)



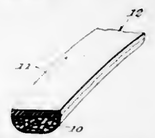
1. A holder for adjustably mounting a specimen within an electronic device so as to be impinged by an electron beam and operable to adjust the position of the point of impact at any point on the surface of said specimen as well as the angle of incidence of said beam on the surface of said specimen, comprising a base plate for mounting said holder on said chamber, a control rod extending therethrough and pivotally mounted therein, said rod having an outer end portion at an angle to the axis thereof, a vacuum tight flexible bellows enclosing the outer portion of said rod and sealed to said base plate, a supporting plate pivotally supported by said base plate and extending within said chamber, a horizontal adjusting screw threaded into said supporting plate and keyed for rotation with the inner portion of said rod, and means for supporting a specimen by said adjusting screw.

2,275,235

SEAL FOR CONTAINERS

Dunbar L. Shanklin and William Campbell Ross, Winchester, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application August 4, 1936, Serial No. 94,190
7 Claims. (Cl. 220—46)



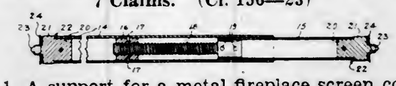
5. In combination, a container closure having a channel formed at the periphery thereof, and a sealing gasket located in said channel, said gasket comprising a ring of vulcanized sponge rubber located in the lower part of said channel and having been formed in situ, and a ring of non-adhesive plastic compound covering said ring of sponge rubber in the upper part of said channel and having been formed in situ.

2,275,236

FIREPLACE SCREEN

James F. Shannon, Bellevue, Wash.

Application January 30, 1940, Serial No. 316,338
7 Claims. (Cl. 156—23)



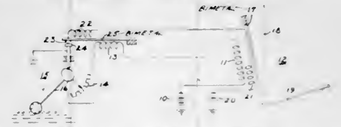
1. A support for a metal fireplace screen comprising supporting members longitudinally movable relative to each other; and non-yielding means for extending and rigidly holding said supporting members in clamping engagement with opposite walls of a fireplace combustion chamber.

2,275,237

INDICATING SYSTEM

Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, a corporation of Indiana

Application July 17, 1940, Serial No. 346,007
11 Claims. (Cl. 177—351)



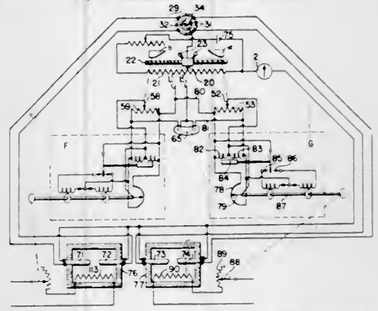
1. A system for quantitatively indicating a variable factor comprising an electric circuit energized from a source of electric power subject to voltage variations, an indicating instrument connected in said circuit, means responsive to said variable factor for controlling the flow of current to said instrument, and means responsive to said variable factor and to a decrease in voltage of said source below a predetermined value for transmitting additional power to said instrument to compensate for said decrease in voltage.

2,275,238

MEASURING AND CONTROL INSTRUMENT

Roy Ullman, Roslyn, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 19, 1938, Serial No. 191,464
17 Claims. (Cl. 236—78)



1. In a control instrument, a member longitudinally movable in accordance with variations in measurable conditions, a pair of longitudinally adjustable devices in the path of travel of said member, each device having a separately movable cam part, elements on said member adapted to individually move said cam parts as said member moves, means to move said member longitudinally in a given direction for a given variation in said conditions with sufficient force to directly move said cam parts whereby said elements will

move said cam parts as they pass said devices, said cam parts and said elements being so relatively shaped that the cam parts will be moved in opposite directions by movement of said member in one direction, and means operated by movement of said cam parts to correct the variations in said conditions.

5. Measuring and control apparatus comprising measuring means, mechanism connected to said measuring means whereby said measuring means can measure the value of a plurality of different conditions, a control device for controlling one of said conditions, said control device comprising a balanced electrical bridge, means actuated by said measuring means to energize said electrical bridge at the time the condition to be controlled is being measured, and means to unbalance said bridge in accordance with the deviation of the value of said condition from a desired value thereof.

2,275,239

PIGMENT PASTE

William A. Waldie, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

No Drawing. **Application September 29, 1939, Serial No. 297,164**

6 Claims. (Cl. 260—19)

1. A fine textured wrinkling enamel comprising an inert paste consisting of a grinding vehicle and a pigment selected from the group consisting of asbestine and a mixture of magnesium carbonate wtih diatomaceous earth, a color pigment and a cooked wrinkling varnish base comprising the following formula: modified phenol aldehyde resin 100 lbs.; a drier selected from the group consisting of lead acetate and linoleate 5 to 9 lbs.; raw China-wood oil 5 to 25 gal., vegetable drying oil selected from the group consisting of bodied linseed oil, bodied perilla oil and bodied olticica 2 to 20 gal., solvent naphtha 8 to 10 gal., and toluol 18 to 25 gal., said inert paste imparting the fine wrinkle qualities to the resulting finished enamel.

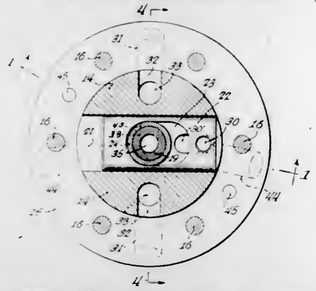
2,275,240

PUMP

Ralph Wiken, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application September 12, 1938, Serial No. 229,438

12 Claims. (Cl. 103—158)



1. In a pump the combination of means forming an elongated chamber, a member rotatable about its own center within said chamber and dividing the same into segregated portions, said chamber being reciprocable in the direction of its length relative to said member, inlet and outlet ports in said member rotatable therewith into communication with said portions alternately, and means connecting said first named means and member to effect reciprocation of said chamber and rotation of said member in timed relation.

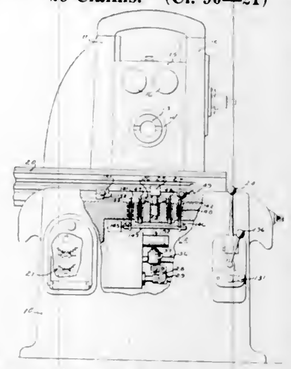
2,275,241

MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM

Joseph B. Armitage, Wauwatosa, and Orrin W. Barker, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application March 18, 1939, Serial No. 262,756

29 Claims. (Cl. 90—21)



1. In a machine tool, the combination with a movable support and transmission mechanism for effecting movement of said support including means shiftable for effecting alternative opposite directions of movement and for effecting alternative feed or rapid traverse rates of movement, a first controller for effecting change in direction of movement independently of change in rate, a second controller for effecting change in rate of movement independently of change in direction, and control means selectively operable to effect operation of said rate changing controller in response to functioning of said direction changing controller, whereby movement after reversal may be effected at either feed rate or rapid traverse rate selectively.

2,275,242

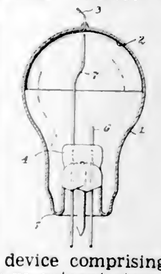
GLOW DISCHARGE TUBE

Hermann Adam, Berlin-Steglitz, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H.," Berlin, Germany, a corporation of Germany

Application May 2, 1941, Serial No. 391,502

In Germany October 7, 1939

1 Claim. (Cl. 250—27.5)



A discharge device comprising a curved container having a re-entrant stem, a press portion on said stem, a cathode on the curved wall of said container, a lead-in for said cathode attached thereto directly opposite said stem, an anode, and an auxiliary electrode sealed through said stem, said auxiliary electrode extending in close proximity to said cathode where the said lead-in is attached thereto.

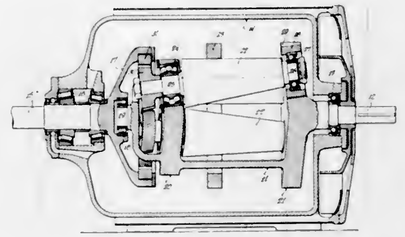
2,275,243

VARIABLE SPEED TRANSMISSION

Alfred G. Bade, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application March 14, 1941, Serial No. 383,257

2 Claims. (Cl. 74—281)



1. In a variable speed transmission the combination of a rotary carrier, a plurality of conical planet rollers rotatable with and with respect to said carrier and inclined with respect to the axis thereof, a control ring encircling and contacting said rollers and movable lengthwise thereof to regulate their motion, a radially fixed support for the large end of each roller, and means for maintaining the axis of each roller in a radial plane of said carrier while permitting the small end thereof to swing outwardly relative to said carrier, whereby gyroscopic forces acting on said rollers urge the same against said ring.

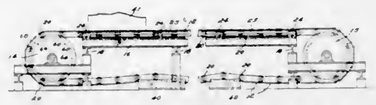
2,275,244

STEEL MILL CONVEYER

George A. Bee, Detroit, and Jesse E. McBride, Highland Park, Mich., assignors to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application May 25, 1938, Serial No. 210,012

5 Claims. (Cl. 198—203)



1. In a conveyer, a pair of transversely spaced parallel supporting tracks, a pair of load carrying chains one on each of said tracks, each of said chains being supported and driven upon its respective track, rollers mounted on and projecting below said chains for support thereof entirely on said tracks and for reducing the friction between said chains and said tracks, a driving sprocket for each of said chains having a plurality of straight sections so positioned as to provide spaces between the ends thereof whereby contact of said sprockets is made only with portions of said chains between said rollers.
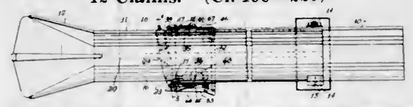
2,275,245

FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 19, 1939, Serial No. 300,105

12 Claims. (Cl. 198—220)



1. In a shaker conveyer, two trough sections, one of which is extensible with respect to the other, a carrier member, gripping means mounted on said carrier member, means pivotally connected between one trough section and one end of said carrier member, for exerting a positive force on said carrier member to feed said other trough section in one direction, and means pivotally connected between said trough section and an opposite end of said carrier member for exerting a force on said carrier member to feed said trough section in an opposite direction when said first mentioned means is rendered inoperative, and individual control means for said engaging means adapted to render either one of said engaging means inoperative.

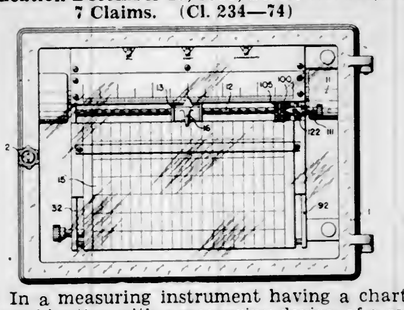
2,275,246

MEASURING INSTRUMENT

John A. Caldwell, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 15, 1938, Serial No. 245,928

7 Claims. (Cl. 234—74)



4. In a measuring instrument having a chart, the combination with a measuring device, of a recording device shifted across the chart in response to measurement made by said measuring device, and means to drive said chart at one speed when the recording device is over one section of the chart and to drive said chart at another speed when the recording device is over another section of said chart, said drive means being controlled by movement of said recording device from one section of the chart to the other section.

2,275,247

POWER DRIVEN TOOTHBRUSH

John F. Cavanagh, Jackson Heights, N. Y.

Application February 6, 1939, Serial No. 254,803

9 Claims. (Cl. 15—23)

2. A power driven tooth brush having a shaft adapted to be driven from a source of power, resilient spreading means provided at the end of said shaft, to releasably hold and to frictionally drive a brush element on said shaft, said resilient spreading means having at least one portion thereof adapted to normally extend beyond the

periphery of the shaft and to give inwardly of the periphery when forceably urged inwardly of said shaft and a brush element having an opening through at least the rear end thereof adapted to receive the end of said shaft, the inner surface of said opening being provided with an annular re-



cess having a rear shoulder to receive and releasably retain said resilient spreading means whereby said brush element is held on said shaft, said spreading means being adapted to resiliently bear with sensitive frictional driving contact in said annular recess.

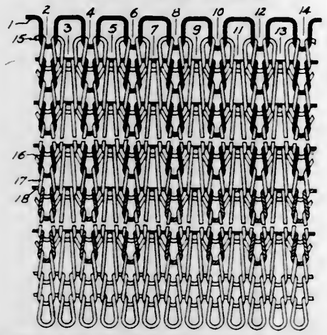
2,275,248

KNITTED FABRIC

Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application June 19, 1939, Serial No. 279,929

1 Claim. (Cl. 66—172)



A knitted article of hosiery having a foot, leg and top, said top having a selvage and being knitted in two interconnected sections, the uppermost of which is of substantially less extent than the lowermost section, the said uppermost section having a non-elastic yarn knitted throughout its extent and an elastic yarn incorporated with said non-elastic yarn in such a manner as to be held at spaced wales and under tension so as to draw said spaced wales together thereby presenting a simulated rib appearance and having sufficient elasticity to serve as a garter, the lowermost section of said top being knitted from non-elastic yarns, one of which is the non-elastic yarn of the first or uppermost section and which is likewise knitted continuously in all wales throughout the remainder of the top, the other said non-elastic yarn being substituted in place of the elastic yarn of the uppermost section and incorporated in the same manner to be held at the same spaced wales but floated over intermediate wales thereby to effect a continuation of the simulated rib appearance of the uppermost section of the top and impart to the fabric characteristics of elasticity desirable for a stocking top.

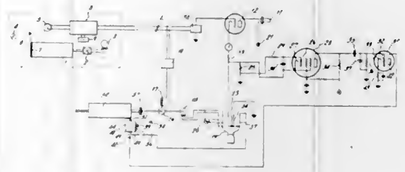
2,275,249

PHASING ARRANGEMENT FOR TELE-FACSIMILE MACHINES

Austin G. Cooley, New York, N. Y., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,465

9 Claims. (Cl. 178—69.5)



1. In a system of the type having rotatable members at different points designed to be run in time and phase synchronism, means associated with one member to transmit a low frequency pulse phasing signal to the other member, a phasing device associated with said other member, and means to render said phasing device automatically effective, the last-mentioned means including a trip magnet, a selective low frequency pulse amplifier whose output controls said magnet, said amplifier being controlled by the said phasing signal, and a switch effective in one position to apply the said phasing signal to said amplifier and effective in another position to maintain said trip magnet operated independently of said amplifier.

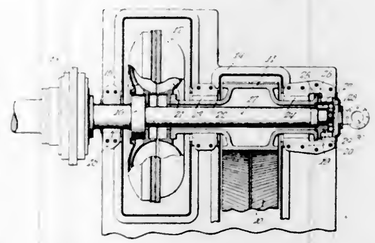
2,275,250

POWER TRANSMISSION MECHANISM

Percy C. Day, Brookfield, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application January 28, 1938, Serial No. 187,360

1 Claim. (Cl. 60—54)



In a power transmission the combination of two bladed rotors coacting to form a hydraulic coupling, a hollow shaft carrying one of said rotors and providing a conduit for supplying fluid to said coupling, a second shaft carrying the other of said rotors and extending axially of and within said hollow shaft, and a thrust bearing

carried by one of said shafts and having an annular bearing face coacting with an annular bearing face on the other of said shafts to sustain the axial thrust developed by said coupling, said bearing being exposed to the fluid in said hollow shaft so that said faces are lubricated thereby.

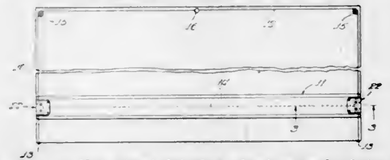
2,275,251

PARALLEL STRAIGHTEDGE DEVICE

Harold L. De Lisle, Sheboygan, Wis.

Application April 19, 1940, Serial No. 330,593

3 Claims. (Cl. 33—80)



1. A parallel straightedge device embodying a blade having a recess at its end including a cable engaging unit for assembly with the blade of the device and comprising a cover plate completely covering said recess, a cable engaging member carried by and movable in said recess beneath said cover plate, said cover plate having a depending flange adapted to lap the end of the blade and being provided with holes about its margin thereof for reception of attachment screws, and passages in the cover plate for the reception of attachment elements for the cable engaging member.

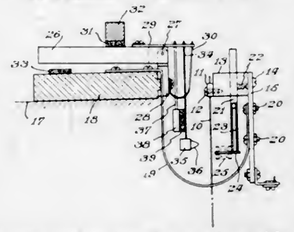
2,275,252

ELECTRICAL MUSICAL INSTRUMENT FOR PRODUCING BELL TONES

Galan W. Demuth, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 28, 1940, Serial No. 358,768

10 Claims. (Cl. 84—404)



1. Striking mechanism for a vibratable element of the class described, comprising a movable key, a hammer having an appreciable mass, spring means supporting said hammer on said key, a second relatively rigid spring means connected to said key and supporting damping means in contact with said first spring supporting means adjacent to said hammer.

2,275,253

METHOD OF SECURING HOOKS TO BAIT PLUGS

William F. Eger, Bartow, Fla., assignor to Eger Bait Manufacturing Company, Bartow, Fla., a corporation of Florida

Application December 1, 1939, Serial No. 307,163

1 Claim. (Cl. 29—148)

A method for securing a hook to a bait plug, comprising forming a longitudinal passage in the plug opening at the rear of said plug and a transverse passage opening in the lower portion of the plug and communicating with said longitudinal passage, applying molten metal to the shank end portion of said hook and inserting the same into said longitudinal passage, and pouring molten metal into said transverse passage to cause said



metal to fuse with the metal about said shank portion and thus form a metal body interlocking with said passages.

2,275,254

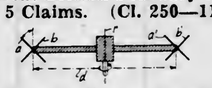
DIRECTIONAL RADIO TRANSMITTING AND RECEIVING SYSTEM

Shirley Waldron Hugh Wolseley Falloon, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1940, Serial No. 321,178

In Great Britain February 16, 1939

5 Claims. (Cl. 250—11)



1. A directional radio aerial system comprising a diametric supporting member having an axis of rotation perpendicular thereto, a connected pair of parallel directional aerials located at opposite ends of said diametric member each in a plane perpendicular to the plane defined by said axis and said member and at an angle of 45 degrees to a plane defined by said member and perpendicular to said axis, and a second connected pair of similar parallel directional aerials located at opposite ends of said diametric member each in a plane perpendicular to both the plane defined by said axis and said diametric member and the planes defined by the first pair of aerials.

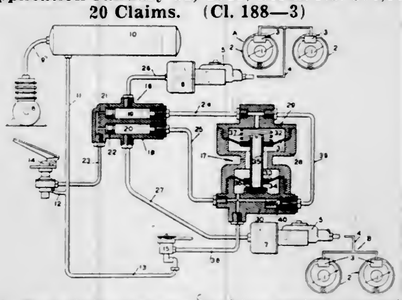
2,275,255

FLUID PRESSURE BRAKING SYSTEM

Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application January 31, 1941, Serial No. 376,806

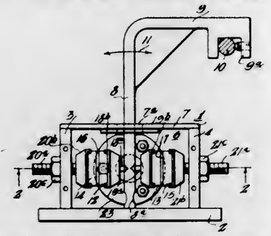
20 Claims. (Cl. 188—3)



1. In a fluid pressure braking system operated by differential fluid pressures, a plurality of brakes, a power cylinder for actuating some of the brakes, a second power cylinder for actuating other of said brakes, a source of pressure different from atmosphere, means including operator-operated control means for causing equal fluid pressures from said source to be effective in said cylinders, and other means including a second operator-operated control means and a differential valve means associated with one cylinder for causing different fluid pressures to be effective in said cylinders when the source is connected thereto by said second control means, said second

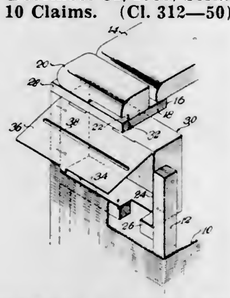
control means being no part of the means for causing the equal pressures to be effective in said cylinders.

2,275,256
PIEZOMETER
Joseph A. Fried, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1939, Serial No. 306,859
7 Claims. (Cl. 171—327)



1. A pair of piezo-electric elements having oppositely located oppositely polarized faces, a movable contact member mounted between said oppositely polarized opposed faces, means for maintaining said elements under substantially equal pressure when said movable contact member is idle and means responsive to movement of said contact member in a given direction for increasing the pressure on one of said piezo-electric elements and simultaneously decreasing the pressure upon the other of said crystals.

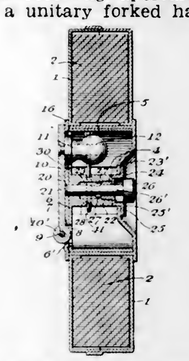
2,275,257
HAMPER
Harold Gleitsman, New York, N. Y.
Application December 31, 1938, Serial No. 248,798
10 Claims. (Cl. 312—50)



1. In combination, a clothes hamper, a container within said hamper, means providing an opening in a wall of said hamper, means providing an opening in a wall of said container and in registry with said opening in said hamper, closure means for said opening in said container, and means providing an opening in said closure means and means providing an opening into said hamper separate from the first mentioned openings.

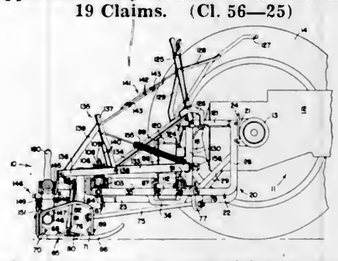
2,275,258
TAPE REEL
James E. Hastings, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application May 8, 1941, Serial No. 392,462
5 Claims. (Cl. 242—84.8)

1. In a tape reel having a cylindrical enclosing casing, a shell including a cylindrical tape supporting drum, and a flat outer face, and disposable axially in a casing, a hub centrally of said drum and face and having an axial bore emergent through the face, a push pin loosely held in said bore and protrudable at one end through the face of the drum, a crank arm pivoted to the drum face at one side of said pin axis, a handle, a head thereon having a spherical zone supported vertically above the surface of the free end of said crank, said shell face having a handle receiving aperture opposite the crank pivot, a unitary forked handle retaining



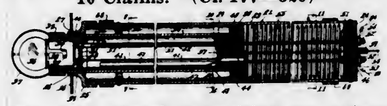
spring supported at its open ends in the drum wall and enclosing said hub, the arms of said spring extending outwardly of the drum in substantially parallel planes secant to the handle receiving aperture and spaced apart a distance slightly less than the diameter of the sphericity of the handle head so as to be yieldingly receptive to said head to lock it frictionally within the shell and expulsively effective past the plane of the horizontal axis of the sphericity of the head when the handle is so moved by the emerging end of the push pin to cause said handle to fly open radially across the face of the drum.

2,275,259
MOWER
Ellsworth T. Johnson, Nolan D. Colvin, and Carl J. Frederiksen, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 2, 1940, Serial No. 332,914
19 Claims. (Cl. 56—25)



1. A tractor mower comprising a supporting frame adapted to be rigidly mounted on a tractor and disposed generally horizontally, a longitudinally extending frame member pivotally connected at one end thereof to said supporting frame and swingable laterally, the other end of said member slidable bearing on said supporting frame to support said member, a supporting arm connected to said member and extending laterally therefrom, and a cutter bar mounted on said arm.

2,275,260
AUTO SIGNAL
Steve Kalisz, Chicago, Ill.
Application August 28, 1939, Serial No. 292,229
10 Claims. (Cl. 177—329)

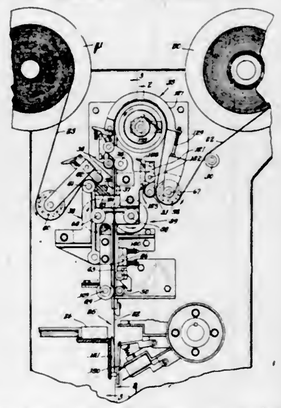


1. An auto signal comprising an extensible illuminable arm, means for extending the arm, means for holding the arm retracted, means for releasing the latter means and means for illuminating the arms when extended, said means including extensible contacts, certain of said contacts being normally disengaged and adapted to be moved into engagement upon initial extension movement of the arm and remain engaged until entirely retracted.

2,275,261
OPACIFIER FOR ENAMELS
Walter Kerstan, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold-und Silber-Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application April 3, 1940, Serial No. 327,733. In Germany March 27, 1939
1 Claim. (Cl. 106—312)

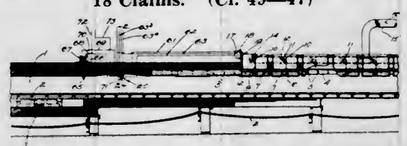
An opacifying agent for enamels which comprises a mixture of one part of cerium dioxide and six parts of alkalized clay, said alkalized clay having been prepared by mixing enamel clay with an alkaline solution or suspension of an alkalizing agent selected from the group which consists of sodium hydroxide, potassium hydroxide, potassium carbonate, ammonia, and barium hydroxide, and then drying said mixture.

2,275,262
WEB FEEDING MECHANISM
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 3, 1940, Serial No. 343,850
25 Claims. (Cl. 164—68)



1. Web feeding mechanism comprising means for guiding a web along a predetermined path, operating mechanism for operating on the web at predetermined spaced intervals, mechanical indexing mechanism including a sensing member for mechanically engaging and positioning the web with respect to the operation of the operating mechanism, and independent driving means for driving the web at the indexing station.

2,275,263
APPARATUS FOR AND METHOD OF CONTROLLING DRIFT IN LEHRS
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application October 5, 1938, Serial No. 233,427
18 Claims. (Cl. 49—47)

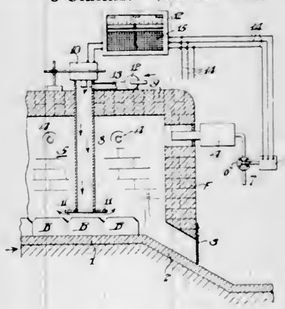


1. Drift controlling apparatus for lehrs having tunnels and means for conveying ware to be annealed through said tunnels, comprising adjustable means for controlling drift of the atmosphere within the tunnel of such a lehr and means responsive to departures of temperature from a predetermined temperature at a predetermined control point in the lehr tunnel for regulably controlling said adjustable means.

2,275,264
PRODUCTION OF LUBRICANTS
John M. Musselman, South Euclid and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 28, 1939, Serial No. 296,972
4 Claims. (Cl. 252—34)

1. A lubricant comprising a mineral lubricating oil and a small amount of cyclohexylamine naphthenate.

2,275,265
FURNACE CONTROL SYSTEM
Harold G. Mead, Bronxville, N. Y., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 11, 1940, Serial No. 313,367
8 Claims. (Cl. 236—15)



1. A system for measuring the temperature of billets within a continuous furnace comprising a radiation pyrometer provided with a sighting tube extending through wall structue of the furnace and having an open end disposed adjacent the path of said billets to view a surface of each of the successive billets during contin-

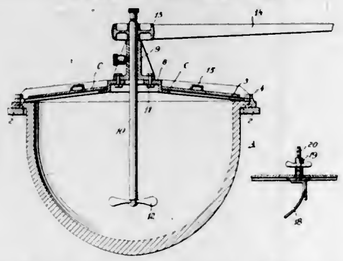
uous and unrestricted exposure of said surface to the furnace atmosphere, and structure adjacent said open end of the sighting tube and extending laterally therefrom to prevent radiation from the interior of the furnace from being reflected into said tube by the surface of a billet under observation by the pyrometer and without interruption of exposure of that surface to the furnace atmosphere.

2,275,266

APPARATUS FOR TREATING, PURIFYING, AND SEPARATING MOLTEN METALS

Max Meyer, New York, N. Y., assignor to Almac Metal Corporation, New York, N. Y.

Application April 26, 1940, Serial No. 331,723
1 Claim. (Cl. 266—34)



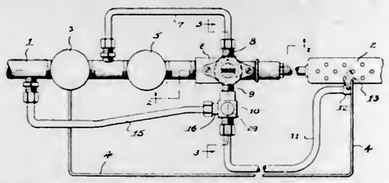
Apparatus for treating and refining molten metals comprising a treating kettle, a stirrer extending into the lower section of the kettle, mechanical driving means provided at the free end of the stirrer, a conical hood structure forming a kettle sealing, working and stirrer supporting unit consisting of a kettle supported multi-arm spider, at least one vertically adjustable mixing baffle fastened to said hood structure and extending into the upper zone of the kettle and a plurality of individual removable hood sections supported by said spider arms.

2,275,267

FUEL SUPPLY SYSTEM FOR BURNERS

Ervin H. Mueller, Grosse Pointe Park, Mich.

Application August 30, 1940, Serial No. 354,910
2 Claims. (Cl. 158—117.1)



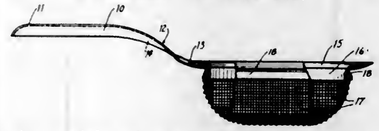
1. In a fuel supply system for a burner of fluid fuel, the combination of a fuel supply line, a burner, a pilot burner, a main control valve in the supply line for controlling the supply of fuel to both the said burner and pilot burner, there being a single conduit for supplying fuel to the pilot burner, a thermally controlled shut-off valve positioned in the supply line upstream from the control valve and operated from the heat of the pilot flame, whereby, when the pilot flame is extinguished, the thermally controlled valve closes, a starter valve between the main valve and the said single condult for the pilot burner, and which is normally open for the passage of fuel from the control valve to the pilot burner, a second conduit connecting into the supply line upstream of said thermally controlled valve and leading into the starter valve, said starter valve having passage means for connecting the second conduit with the said single conduit, means normally closing said passage, and means operable to open said passage for the supply of fuel to the pilot burner subsequent to the closing of the thermally controlled valve.

2,275,268

GRAVY STRAINER

Anna B. Prinzler, Milwaukee, Wis.

Application May 1, 1939, Serial No. 271,217
2 Claims. (Cl. 210—161)



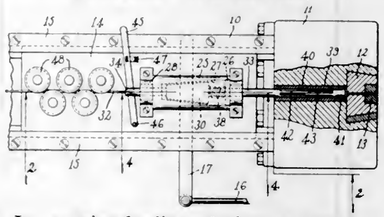
1. An article of manufacture comprising an annular frame member having an inner depending flange, a mesh of cup shape having its upper edge encircling the flange and solder or the like attaching the mesh onto the flange, the mesh extending downwardly substantially in parallelism with the flange for a short distance whereby the gravy may drip downwardly for a distance from the inner face of the flange without contacting the mesh for the purpose described.

2,275,269

WIRE-FEEDING DEVICE FOR HEADING MACHINES

George M. O'Loughlin, Waterbury, Conn.

Application August 1, 1940, Serial No. 349,266
15 Claims. (Cl. 140—130)



1. In a wire-feeding device, a reciprocable member provided with a chamber having a continuously tapered surface, a wire gripper within said chamber, said gripper comprising a plurality of sets of balls adapted to be engaged by the tapered surface of the chamber and forced inwardly to engage a wire passing between them, each set comprising a plurality of balls disposed in a plane extending transversely of the wire, and said sets being spaced longitudinally of the wire whereby the latter is gripped at a plurality of spaced points along its length.

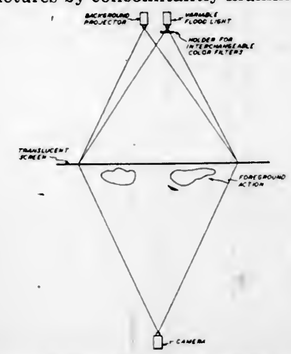
2,275,270

MOTION PICTURE CONTRAST REGULATION

Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine

Application August 16, 1939, Serial No. 290,431
1 Claim. (Cl. 88—24)

The method of regulating the contrast of motion pictures of the type having highlights, shadows and various intermediate tones which comprises projecting pictures having excessive contrast upon a background screen behind a foreground and controlling the contrast of the projected pictures by concomitantly illuminating the



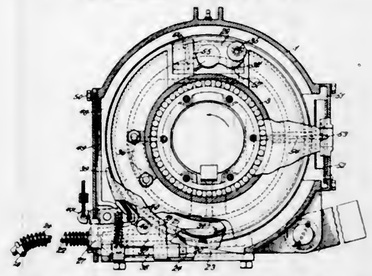
screen with auxiliary light adjusted to reduce the contrast into correspondence with the foreground.

2,275,271

JOINT BREAKER AND CATHEAD

John H. Schreiber, St. Louis, Mo.

Application June 3, 1940, Serial No. 338,559
21 Claims. (Cl. 254—173)



13. In a device of the character described, a stationary housing, a rotary drum within said housing, a jerk line adapted to be wound on said drum, a shoe attached to said jerk line, a detachable element supported by said housing for supporting said shoe in an unoperated position substantially out of engagement with said drum, an actuator mounted on and movable relative to said drum to and from position to engage said shoe and move said shoe along with said drum, a member for moving said actuator to position to engage said shoe during rotation of said drum, means for holding said member in an adjustment to move said actuator as aforesaid, and means operated by said shoe during movement thereof by said actuator for moving said member from said adjustment.

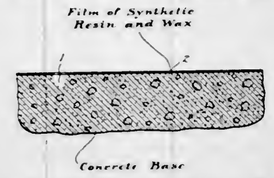
2,275,272

METHOD OF CURING CONCRETE

Edward W. Scripture, Jr., Shaker Heights, Ohio

Application December 12, 1938, Serial No. 245,211
5 Claims. (Cl. 25—154)

1. In a process for curing concrete wherein the concrete is placed and allowed to harden, the step which comprises applying to the surface of the freshly placed wet concrete a non-aqueous solution in a volatile solvent of an unsaponifiable waxlike substance and a chlorine-containing resin selected from the group consisting of the copolymers of vinyl acetate and vinyl chloride, rubber hydrochloride, rubber chloride, and the reaction product of a metal chloride and rubber, and permitting the solvent to evaporate to form a film on said surface substantially impermeable



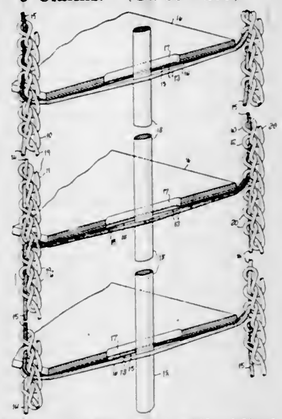
to water, whereby the evaporation of water from the concrete is greatly retarded and a coating which permanently adheres to the surface of the concrete is formed.

2,275,273

LADDER WEB

Schuyler J. Taylor, Portland, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut

Application September 16, 1940, Serial No. 356,971
9 Claims. (Cl. 66—170)



1. A ladder-web for use with blind-slats to form a Venetian blind comprising: first and second cord-like main webs each mainly formed of one or more knitted strands; and ladders formed of strands interconnecting said cord-like main webs; and each said cord-like main web, when the blind-slats on which said ladder-web is used are closed together, being adapted to arrange itself in back-and-forth loops the general plane of which is approximately parallel to the general plane of the edges of the blind-slats which are adjacent to said cord-like main web.

2,275,274

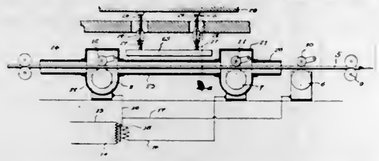
METHOD AND APPARATUS FOR SUSTAINING HEATED WORKPIECES

Arthur M. Wallace, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application October 16, 1939, Serial No. 299,751
7 Claims. (Cl. 219—11)

1. In an apparatus for treating a metallic work piece in the form of a rod, strip or tube, the combination of means for passing electric current longitudinally through the work piece to heat the same and for supporting the heated work piece at longitudinally spaced points, and a body

of magnetic material disposed in the field of flux set up by the current in the work piece to sus-



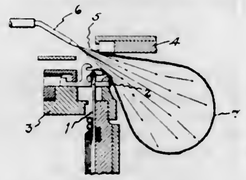
tain the heated work piece against outside forces such as gravity.

2,275,275
SECTIONAL BUILDING CONSTRUCTION
Francis Vaux Wilson, Jr., Morrisville, Pa., and John W. Germond, Trenton, N. J., assignors to Homasote Company, Incorporated, Fernwood, N. J., a corporation of New Jersey
Application July 27, 1939, Serial No. 286,840
11 Claims. (Cl. 20—1)



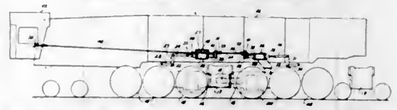
1. A building section adapted to be assembled with other sections to form the vertical walls of a structure, said section having a vertically and longitudinally disposed central plane, and having horizontal dimensions which are a whole multiple of a modulus that is a whole number of inches in length, said section embodying a subassembly located in said section in position to be engaged by the end of another section and comprising two conventional wooden timbers having their longest dimensions extending vertically in the section and having horizontal dimensions which are not a whole number of inches in length, said timbers being secured together with one timber centered with respect to the central plane of said section and the other timber displaced horizontally with respect to said first timber and presenting a vertically disposed surface lying in a modularly disposed plane of the structure to position the end of another section on a modular line in the structure.

2,275,276
STITCH CONTROL MEANS FOR SEAMLESS HOSIERY KNITTING MACHINES
Rufus Clark Williams, Harriman, Tenn., assignor to Harriman Hosiery Mills, Harriman, Tenn., a corporation of Tennessee
Application April 15, 1941, Serial No. 388,613
17 Claims. (Cl. 66—41)



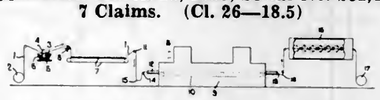
1. In a circular knitting machine, means for directing air under pressure against the fabric produced by the knitting needles of said machine and as said fabric is being knitted, to hold the same in an extended position away from the needles and under a yielding tension.

2,275,277
LOCOMOTIVE POWER REVERSE GEAR EQUIPMENT
William E. Woodard, Forest Hills, N. Y.
Application July 28, 1939, Serial No. 287,157
16 Claims. (Cl. 105—48)



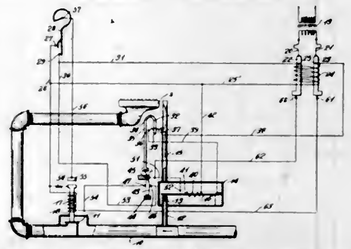
1. In a locomotive having a plurality of sets of driving cylinders with separate valve motions associated therewith, a separate power reverse gear for each motion, the gears having operating cylinders generally in alignment with each other, and substantially direct-line manually operable control shafting common to the gears arranged with its axis passing the gears at a side thereof, the several gears being coupled to said shafting for independent response to adjustments of the latter.

2,275,278
METHOD OF SHRINKING CLOTH
Bernard R. Andrews, Braintree, Mass.
Application March 13, 1939, Serial No. 261,461
7 Claims. (Cl. 26—18.5)



1. The method of shrinking cloth which consists in wetting cloth thereby to produce shrinkage thereof, subjecting the wet cloth while mechanically supported in a flat condition to a partial drying operation which is continued only so long as the drying proceeds without any tendency for the cloth to shrink, and then producing additional shrinkage in the cloth by completing the drying thereof while it is in a relaxed condition by floatingly conveying the cloth through a drying chamber on a current of drying medium.

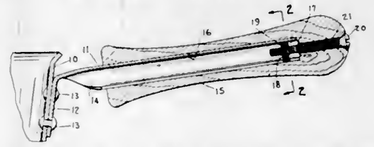
2,275,279
AUTOMATIC LIGHTER
Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 24, 1940, Serial No. 331,451
5 Claims. (Cl. 158—28)



1. In a control system for fluid fuel burners, an igniter coil, and means for energizing said igniter coil intermittently comprising a heating coil arranged in series with the igniter coil, a supplemental circuit around said heating coil, a switch in said supplemental circuit, and means actuated by heat from said heating coil for closing said switch, thereby establishing a current path for said igniter coil around said heating coil and bringing the igniter coil to igniting temperature

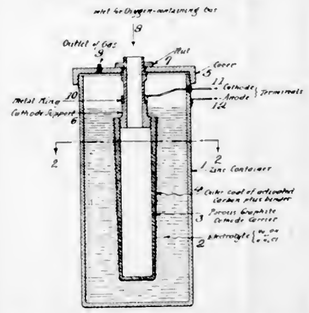
and maintaining it there until the switch opens because of the cooled heating coil, after which the cycle is repeated.

2,275,280
HANDLE FOR COOKING UTENSILS
Don A. Belden, Akron, Ohio
Application May 31, 1939, Serial No. 276,539
8 Claims. (Cl. 16—116)



1. A handle for cooking utensils, comprising a longitudinal holder for attachment at one end to a utensil, a grip having a longitudinal bore extending from one end for receiving said holder and having a reduced opening at the other end thereof extending outwardly from said bore, said holder having an opening therein adjacent the other end thereof for receiving a nut, said nut being retained against endwise and rotational movement by engagement thereof with the edges of said opening, a bolt extending through said reduced opening in said grip for engagement with said nut to clamp said grip on said holder, and means at said other end of said holder to prevent relative rotation of said handle thereon.

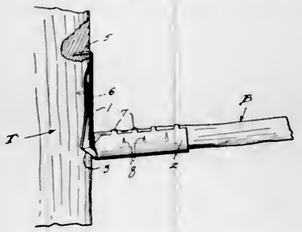
2,275,281
DEPOLARIZATION MEANS
Ernst Berl, Pittsburgh, Pa.
Application January 24, 1938, Serial No. 186,731
In Great Britain December 16, 1936
3 Claims. (Cl. 136—86)



1. A battery comprising an electrolyte, electrodes, one of said electrodes comprising a porous support, an electrically conductive highly activated carbon layer on said support, a water repellent, alkali resisting, highly substituted cellulose ether binding said layer to said support and serving as an anti-wetting agent, and means for supplying an oxygen containing gas under pressure to the surface of contact between the electrolyte and said layer.

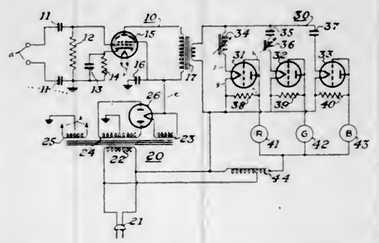
2,275,282
BRANCH HOLDER
John F. Bigham, Frederic, Mich.
Application April 26, 1941, Serial No. 390,584
5 Claims. (Cl. 248—42)

5. A holder of the class described, comprising two arms formed from a single sheet of material, said arms at their junction being bendable one with respect to the other to arrange said arms in angular relation, prongs carried by one of the arms to impinge a tree trunk or the like, the



second arm being adapted to hold a tree branch, the second arm also being substantially semi-cylindrical in cross-section, and means carried by the second arm for holding engagement with a portion of the branch placed within the second arm.

2,275,283
ELECTRICAL CURRENT CONTROL AND VISUAL INTERPRETATION OF ELECTRICAL CURRENT
Robert D. Burchfield, Pittsburgh, Pa.
Application February 8, 1941, Serial No. 378,070
10 Claims. (Cl. 84—464)

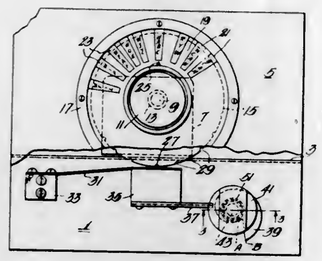


1. In a visual indicator, low impedance apparatus for supplying sound wave audio frequency currents of a plurality of frequency ranges, a plurality of lights connected to said apparatus for indicating sound pitch variations of the currents of each of said plurality of ranges, a light transmitting globe, said plurality of lights being operably mounted in said globe, low impedance apparatus for supplying sound wave audio frequency currents of a plurality of amplitude ranges, a plurality of lights connected to said last-mentioned apparatus for indicating sound variations of the currents of each of said plurality of amplitude ranges, said last-mentioned lights being positioned about said globe for producing a combined light effect therewith.

2,275,284
INDEXING MEANS
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 14, 1940, Serial No. 352,509
8 Claims. (Cl. 74—10)

1. In combination, an instrument capable of various settings and comprising an indexing element constituted of an easily deformed material, and means mounted in operative relation

with respect to said indexing element for generating and applying a deforming force thereto



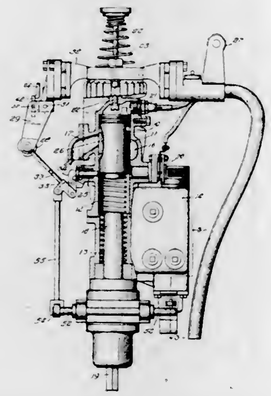
at points corresponding to selected ones of said settings.

2,275,285

INTERNAL COMBUSTION PERCUSSIVE HAMMER

Carl L. Charles, Winnetka, Ill., assignor to Gas Tool Patents Corporation, a corporation of Delaware

Application January 15, 1940, Serial No. 313,975
5 Claims. (Cl. 123—7)



1. An internal combustion percussive hammer of the character described, including: a cylinder; a piston reciprocable therein on the two-stroke cycle principle; a tool adapted to receive impacts from the piston when the hammer is working; means for holding the piston in a position near the lower end of its stroke; and means for enriching the charge adapted to be fired upon release of the holding means.

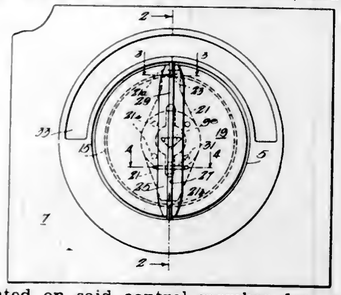
2,275,286

INDEXING MECHANISM

Frederick L. Creager, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1940, Serial No. 367,880
6 Claims. (Cl. 74—10)

1. In combination, a rotatable shaft, a stationary index member constituted of an easily deformed material mounted about said shaft, a control member mounted on the end of said shaft in front of said index member, and means



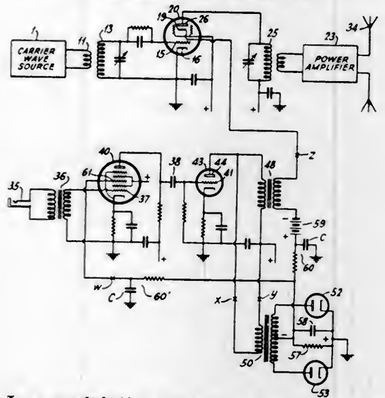
mounted on said control member for applying a deforming force to said indexing member.

2,275,287

CARRIER CONTROLLED MODULATOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 1, 1939, Serial No. 276,772
17 Claims. (Cl. 179—171.5)



1. In a modulation system, a carrier wave amplifier tube, means for causing carrier wave energy to be modulated ot flow in said tube, means for deriving modulated wave energy from said tube, means for controlling said tube for maximum carrier wave amplitude output from said tube, means for modulating said carrier wave in accordance with modulating voltages, and means for lowering the carrier wave amplitude output of said tube as a function of the mean amplitude of the modulating voltages.

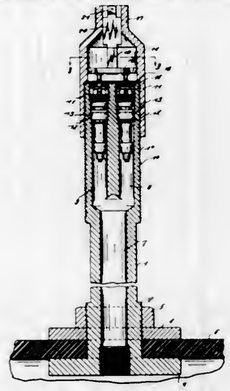
2,275,288

VALVE STEM

John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 22, 1939, Serial No. 269,381
3 Claims. (Cl. 277—20)

1. A valve stem comprising a body portion having an air passageway therethrough, the outer end of which is enlarged, means in said body portion dividing the enlarged outer end of said passageway into a plurality of passageways, an independent valve mechanism in each of said plurality of passageways and having the valve actuating pin thereof extending beyond the outer end of said body portion, a cap secured to the outer end of said body portion and having at its outer end a reduced nipple adapted to receive an inflating device, a disk in said cap and provided on its circumference with radially extending ears



slidably supporting the disk in said cap, said disk normally engaging the outer ends of the actuating pins of said valve mechanisms, and a flat slab member carried by said disk and having a portion slidably supported in the reduced nipple of said cap and extending to the outer end thereof.

2,275,289

COATED MATERIAL AND METHOD OF PRODUCING SAME

Emil Czapek, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y., a banking corporation of New York

No Drawing. Application May 13, 1938, Serial No. 207,811. In Germany January 11, 1937
19 Claims. (Cl. 91—68)

2. A transparent flexible crease-resisting and odorless article of manufacture comprising a sheet of cellulose hydrate as a base, coated with a plurality of layers of different compositions, one composition consisting of chlorinated rubber and chlorinated paraffin, and the other composition selected from the group consisting of cellulose esters, said layers bonded to one another and in turn forming a substantially uniform sheet.

2,275,290

LUMINOUS LAMINATED PRODUCT AND PROCESS OF MANUFACTURE

John F. Dreyer, Cincinnati, Ohio, assignor to The Formica Insulation Company, a corporation of Ohio

Application January 29, 1941, Serial No. 376,552
7 Claims. (Cl. 41—22)



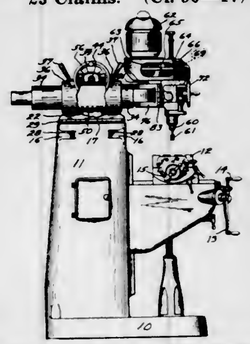
1. In the manufacture of decorative laminated products, the method which comprises: adding a small per cent of fluorescent dye to a urea formaldehyde varnish and impregnating a fabric body sheet with said varnish and drying same; superposing said sheet on an opaque sheet which reflects both visible and ultra-violet light; placing a surface sheet, impregnated with a urea formaldehyde varnish, over the body sheet; and consolidating the assembly under heat and pressure.

2,275,291

MACHINE TOOL OPERATING AT UNIVERSAL ANGLES IN OVERALL LOCATIONS

Rudolph F. Bannow, Bridgeport, Conn.

Application April 4, 1939, Serial No. 265,897
23 Claims. (Cl. 90—17)



1. In a machine tool of the type including a frame standard and a work holding table movably joined to said standard in a manner to feed work in at least one predetermined path of movement relative thereto, the combination with said standard and table, of a self powered work machining unit including a driven tool holder rotatable upon its work machining axis and adapted to be variously stationed in relation to said path of work feeding movement, bearing structure supported by said frame standard, and an articulated structure for supporting said machining unit at various stations for operating on the work including at least two support sections, the first of said sections comprising an elongated rigid member journaled in said bearing structure in a manner to be slidable lengthwise as well as rotatable about its longitudinal axis relative thereto, and the second of said sections being coupled adjustably both to said first section and to said machining unit in a manner enabling said work machining axis of said tool holder to be maintained selectively in parallel or oblique relationships to said longitudinal axis of said rigid member while operating upon the work.

2,275,292

COMPOSITION OF MATTER SUITED TO THE TREATMENT OF NASAL ALLERGY AND ASSOCIATED CONDITIONS

Edward Everett Edmondson, Canon City, Colo.

No Drawing. Application November 8, 1940, Serial No. 364,934
1 Claim. (Cl. 167—58)

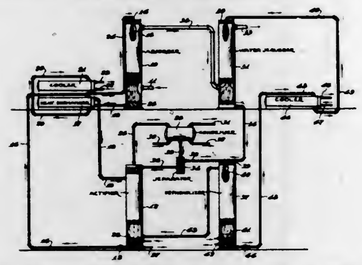
A composition of matter for the treatment of nasal allergy consisting of a solution of cupric sulphate and zinc sulphate in glycerol mixed with a solution of silver nitrate in water, the solution containing substantially equal amounts of the metalic salts and adapted to be used in suitably graduated dilutions for application to the mucous membranes involved in nasal allergy and associated conditions.

2,275,293
CONTAINER, DISPLAY AND DISPENSER
John B. Foley, Chicago, Ill.
Application June 16, 1941, Serial No. 398,226
2 Claims. (Cl. 206—42)



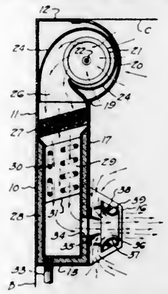
1. A container, display and dispenser comprising a transparent hollow body member, a transparent inverted cone having its upper edges attached to said body member and suspended within said body member, said cone adapted to hold contents to be dispensed, a fixed closure attached to said body member and covering the top of said cone, a movable closure rotatably positioned on the upper portion of said body member and above said fixed closure, said closures both having openings, said movable closure in normal position with its opening not in registry with the opening of said fixed closure, said movable closure rotatable for registering its opening with the opening of said fixed closure so that upon tilting of said body member, the contents of the cone may be directed toward said openings and dispensed therethrough.

2,275,294
GAS TREATMENT PROCESS
Herbert A. Gollmar, Caldwell, N. J., and Bernard J. C. van der Hoeven, Pittsburgh, Pa., assignors to Koppers Company, a corporation of Delaware
Application August 27, 1938, Serial No. 227,098
6 Claims. (Cl. 23—2)



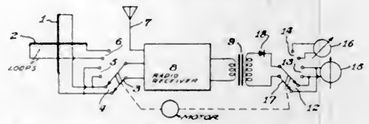
2. In a process of removing acidic gases such as hydrogen sulphide, carbon dioxide, and the like from gas mixtures which process comprises recirculating an alkaline absorbent liquid containing a phenolic compound through an absorption stage to scrub out the acidic gases from the gaseous mixture therein and through an actification stage in which the liquid is regenerated by heating, and condensing phenol and steam from the acidic gases liberated in the actification stage, the improvement comprising: separating the phenol layer from the condensate and returning it to the actification stage, stripping the aqueous layer by heating to distill off further phenol and steam and returning these vapors to the actification stage, scrubbing the outlet gases from the absorption stage with the stripped aqueous portion from the stripping stage to remove traces of phenol from the absorption outlet gases, and returning the resultant phenol-water liquor to the stripping stage.

2,275,295
AIR CONDITIONING UNIT
George H. Greenway, Dallas, Tex.
Application August 12, 1939, Serial No. 289,729
6 Claims. (Cl. 62—140)



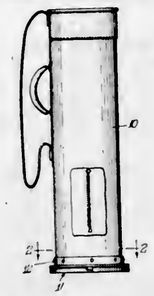
4. An air conditioning unit including, an elongate casing having an air inlet at its upper end which inlet extends substantially throughout the longitudinal width thereof, a grille covering said inlet, an air outlet extending substantially throughout the width of the casing at its lower end, air-current impellers disposed within the casing adjacent the inlet for circulating air downwardly through the casing, and a cooling unit mounted within the casing and having transverse coils and also having upright fins mounted on said coils, said fins having their bottom edges inclined in a direction to cause droplets of water to gravitate out of the path of the air currents.

2,275,296
RADIO DIRECTION FINDER
Gerhard B. Hagen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 7, 1939, Serial No. 254,994
In Germany February 7, 1938
1 Claim. (Cl. 250—11)



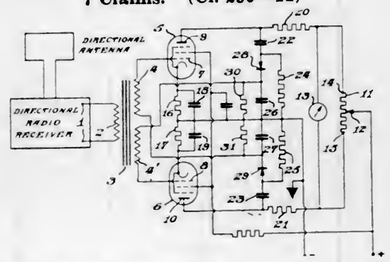
A radio direction finder including in combination a directive antenna, a second directive antenna angularly disposed with respect to said first antenna, a nondirectional antenna, a radio receiver having input and output circuits, switching means including said radio receiver for combining in successive order the currents of one of said directive antennas with the currents of said nondirectional antenna to produce a pair of antenna patterns whose intersections indicate a course and for combining the currents of the other of said directive antennas with the currents of said nondirective antenna to produce a third antenna pattern to indicate the fore or aft position of the transmitter establishing the course, means connecting the input circuit of said radio receiver to said switching means, means including a second switching means connected to the output of said receiver, means for continuously operating said first and second switching means continuously and in synchronism, and a pair of visual indicators connected to said second switching means for indicating successively and automatically said course and fore or aft position.

2,275,297
GOLF BAG SUPPORT
Frank J. Hearnshaw, Chicago, Ill.
Application June 29, 1939, Serial No. 281,793
2 Claims. (Cl. 248—96)



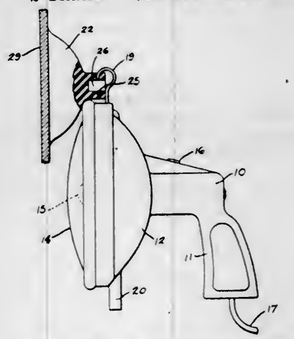
1. A support for a golf bag comprising a plurality of manually operable flat wings of appreciable area pivotally mounted on the base of the golf bag near the periphery thereof and adapted to be folded manually and individually in closed position within the confines of the base or unfolded manually and individually to extend beyond the base to provide outwardly extending supporting legs for the bag, and spring means co-operating with each wing to lock resiliently each wing separately in either locked or unlocked position, some of said wings having pockets therein to receive a part of other of said wings.

2,275,298
RADIO COURSE INDICATOR
Eduard Herman Hugenholtz, Hilversum, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1939, Serial No. 304,692
In the Netherlands December 3, 1938
7 Claims. (Cl. 250—11)



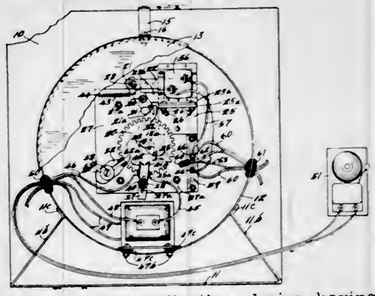
1. A device for indicating visually the deviation from a radio course of the complementary signal type which includes in combination means for receiving said signals, means for transforming said signals into impulse signal combinations with the relative polarity of said initial impulse signals dependent upon the direction of deviation, a pair of push-pull connected tubes each including a control grid and an anode and a cathode and circuits therefor, means for applying said impulse signals to said control grids, an indicating device connected to the anodes of said tubes, means including a pair of rectifiers each respectively connected to the anode circuit of one of said tubes for deriving from the impulse signals applied to said push-pull tubes a controlling voltage, said controlling voltage being derived by rectifying the anode current pulse of the tube to which the more positive impulse is applied, and means for applying said controlling voltage to block the other of said tubes until a second impulse combination is applied.

2,275,299
SPOT LAMP ATTACHMENT
Robert H. Hummert, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application October 17, 1940, Serial No. 361,624
2 Claims. (Cl. 240—52.2)



1. A combination, a spotlamp having a body portion provided with an upwardly extending and forwardly curved hook and having a depending post projecting downwardly from the lower end of the body portion, and a rubber suction cup adapted for connection with the suspending hook or the depending post of the spotlamp, said cup having a yielding rubber boss projecting from one side thereof and provided with an axial passage for the reception and support of the spotlamp post and having a small transversely extending passage adapted to receive and support the spotlamp hook, the boss and said transversely extending passage being so coordinated with the hook and with the upper portion of the spotlamp body as to provide convenient attachment and detachment of the spotlamp only by a combined tilting and bodily movement of the spotlamp.

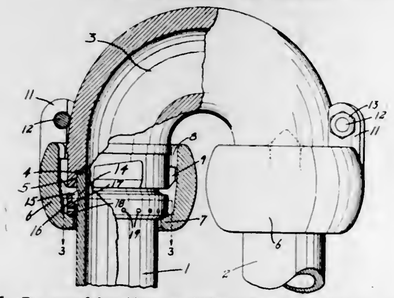
2,275,300
SIGNAL OR INDICATING DEVICE
Robert Ladue, Minneapolis, Minn.
Application September 12, 1938, Serial No. 229,538
4 Claims. (Cl. 177—311)



1. A signal and indicating device having in combination, a dial having a multiplicity of circumferentially spaced indications thereof, a freely rotatable hand movable over said dial, means for giving a rotating impulse to said hand, means for causing said hand to come to rest in registry

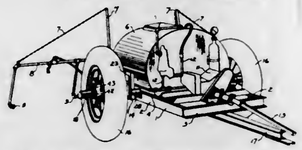
with one of said indications, a freely rotatable shaft on which said hand is mounted, a swinging arm carried by said shaft, said arm having an angle shaped contact at its terminal portion, an electrically operated signal, a pair of spaced contacts disposed at an angle to each other, said angle being substantially the same as the angle on said arm, said angularly shaped contact being adapted to engage said last mentioned contacts and bridge the same for completing a circuit and operating said signal when said hand stops in registry with a certain one of said indications but to pass over said contacts without bridging them before said hand stops.

2,275,301
COUPLING
Milton P. Laurent, Houston, Tex.
Application March 30, 1940, Serial No. 326,875
7 Claims. (Cl. 285—120)



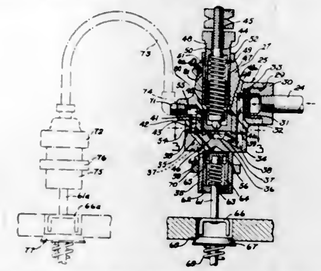
1. In combination, a tube of substantially uniform outer diameter having a circular groove formed therein adjacent one end, a split ring in said groove, and an abutment and retaining ring having a part tightly embracing said split ring to retain the same in place in said groove, a part of smaller internal diameter adapted to abut said split ring and limit movement of said abutment ring over said split ring toward the end of the tube, and a part adapted to receive a coupling, said abutment ring being spaced from the outer surface of said tube and having ventilating openings therethrough intermediate its contact with said split ring and the part adapted to receive a coupling.

2,275,302
ADJUSTABLE AXLE CONSTRUCTION
Roy M. Magnuson, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 7, 1939, Serial No. 288,699
7 Claims. (Cl. 280—5)



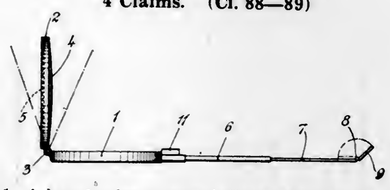
4. A vehicle structure comprising a frame, a tank mounted upon the frame, said frame including side rails extending longitudinally of the tank, brackets secured to the sides of said tank above said side rails, an axle supporting frame on each side of said vehicle, each of said axle supporting frames being secured at its upper portion to one of said brackets, and at its lower portion to the side rail therebeneath, an axle secured in each of said frames, and means for adjustably securing said axle to said frame in different positions relative thereto.

2,275,303
AUTOMATIC UNLOADER FOR COMPRESSORS
Burr Ward Mantle, Pittsford, N. Y., assignor to The American Brake Shoe & Foundry Company, a corporation of Delaware
Application March 20, 1940, Serial No. 324,902
5 Claims. (Cl. 230—31)



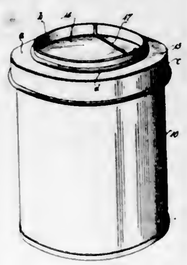
1. In combination with a compressor having an inlet valve, a discharge valve and means connected to said compressor to receive the discharge therefrom, an unloading device including a body mounted on the head of said compressor in alignment with said inlet valve, an engaging member reciprocably carried by said body and normally positioned adjacent to said inlet valve, said member being adapted to unseat said inlet valve and said body being adjustable on said head whereby any desired clearance between said engaging member and said inlet valve may be obtained, a cavity in said body, a cylinder bore in said body communicating with said cavity, a piston in said cylinder, means for impressing the pressure of said discharge upon said cavity, adjustable spring means urging said piston to the end of said cylinder communicating with said cavity, pressure responsive means in said body connected to said engaging member, and a passage in said body having one end communicating with said pressure responsive means and its other end terminating in said cylinder, whereby when a predetermined pressure, in accordance with the adjustment of said spring means, is impressed upon the head said piston causing said piston to move and impart said pressure upon said pressure responsive means, the unseating of said inlet valve by said engaging member is effected.

2,275,304
HAND MIRROR
Øystein Maurud, Askim, Norway
Application December 21, 1939, Serial No. 310,445
In Norway March 22, 1939
4 Claims. (Cl. 88—89)



1. A hand mirror especially adapted to be used as a looking glass for observing oneself side face and from behind comprising, a case having a hinged lid including a reflecting surface, said lid being movable to upright position with respect to the case, a rod extensible from the case, and a mirror carried by said rod, said mirror being movable to a position facing the reflecting surface when the lid is in an upright position and the rod is extended, said rod and mirror being retractable to a position substantially wholly within said case, said lid being movable to closed position, thereby rendering the entire hand mirror device compact for increased portability.

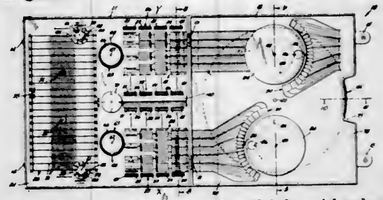
2,275,305
PAINT CAN PROTECTOR
Edward B. Morgan, Mount Airy, Pa.
Application August 24, 1939, Serial No. 291,744
2 Claims. (Cl. 220—90)



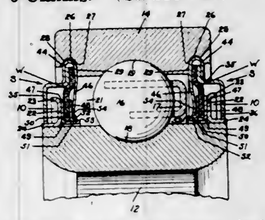
1. In combination with a paint can having a continuous groove about its top opening to receive a plug cover for closing the same, of a reversible shield comprising a substantially flat member to overlie said grooved portion in and contact the outer edge at the top of the can to protect the same when in any of its several positions on the can, said member having a central opening therein to overlie the top opening in the can, a continuous laterally extending flange projecting from the inner and outer perimetral edges respectively of said member at right angles thereto and extending in opposite directions to each other, the inner surface of the outer flange having substantially the dimensions of the outer surface of the wall of the can and the outer surface of the inner flange having substantially the dimensions of the inner surface of the wall of the opening so that in one position of the shield the inner flange will snugly fit into the wall of the opening in the can, and in the other reverse position of the shield the outer flange will snugly fit over the wall of the can and become attached thereto and carried thereby with the plug cover in closed position.

2,275,306
GAME APPARATUS
James H. Morrison, Charles E. Cusack, and Hans H. Berger, Los Angeles, Calif., assignors to The McCass Company, Los Angeles, Calif., a corporation of California
Application July 20, 1940, Serial No. 346,620
14 Claims. (Cl. 273—94)

1. In a game apparatus, the combination of: means operated by a given player of said game for selecting one of a plurality of offensive plays; means operated by said given player for selecting one of a plurality of gains to be attempted by said selected play; means operated by another player for selecting a defense against any one of said offensive plays and against any one of said attempted gains; and means for indicating a gain or loss by said given player in accordance with the accuracy in which said selected defense anticipates said selected offense.

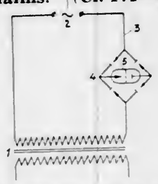


2,275,307
BEARING SEAL
William T. Murden, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1939, Serial No. 260,566
6 Claims. (Cl. 286—11)



1. In a device of the character indicated, a pair of relatively rotatable members having an annular lubricant chamber therebetween, a pair of annular sealing elements in side wiping sealing relation and co-operatively closing one end of said chamber, a holder mounted on one of said members and peripherally supporting one of said elements, an annular backing spring peripherally carried by the holder and yieldably urging said elements into sealing relation, an annular shield peripherally mounted in the holder and located outside of the lubricant chamber, holder means laterally clamping the shield and said backing spring respectively against opposite sides of the holder-supported sealing element adjacent its periphery, and said other element being mounted on said other member and having a slinger portion between said shield and said holder-supported sealing element.

2,275,308
CONTROL APPARATUS FOR ALTERNATING CURRENT DEVICES
Carl Niemann, Erlangen, Germany, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany
Application January 19, 1939, Serial No. 251,732
In Germany February 10, 1938
8 Claims. (Cl. 171—119)



1. In a control system, an alternating current circuit, a space discharge tube included in said

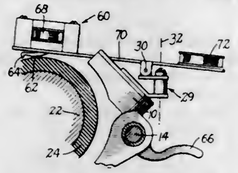
circuit, and means including rectifiers associated with said tube for causing successive half-waves of the current to always flow in the same direction in that portion of the circuit which includes said tube while flowing alternately in opposite directions in the remainder of the circuit.

2,275,309

REPRODUCER FOR ELECTRIC PHONOGRAPHS

Leland D. Norton, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application August 3, 1940, Serial No. 350,568
2 Claims. (Cl. 179—100.41)



1. In an electric phonograph adapted for use with cylindrical records of the "hill and dale" type, the combination of, a base plate, a mandrel mounted above and parallel to said base plate and adapted to support and drive a cylindrical record surface, a carriage guide rod mounted above said base plate and parallel to the axis of said mandrel, a carriage member slidably mounted on said guide rod and adapted to be moved longitudinally along said mandrel, a support member pivotally mounted on said carriage member for movement about an axis parallel to the axis of said mandrel, an electromagnetic translating device having an operating coil and adapted to coact with a "hill and dale" type record groove mounted on one end of said support lever for movement toward and away from a record surface on said mandrel, and a hum compensating coil mounted on the other end of said support lever on the opposite side of its pivotal mounting from said sound translating device and at approximately the same distance above said base plate as the operating coil of said translating device whereby said compensating coil partially counterbalances the weight of said translating device while traveling in the same direction with said translating device along said record surface in a path parallel to the axis of said mandrel and always at approximately the same distance as the operating coil of said translating device from sources of stray electric fields beneath said base plate.

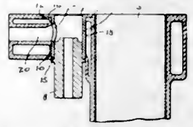
2,275,310

METHOD AND MEANS FOR REPAIRING VALVE SEAT PORTS

George L. Nuttall, Brantford, Ontario, Canada

Application July 1, 1939, Serial No. 282,379
6 Claims. (Cl. 29—156.4)

1. A method of repairing cracked valve ports in engine blocks of the type having the end of the port cylindrically finished to receive a removeable valve guide, comprising removing the valve guide, inserting a boring tool in the valve port and boring out the valve port wall including the cylindrically surfaced portion and arranging a counterbore to intersect the fracture while utilizing the original valve port wall as a guideway for the boring tool, inserting a flanged sleeve in a press fit in said bore with the flange forming a stepped sealing joint over the fracture, providing a valve seat on the flanged end of the sleeve, and finishing the interior diameter of the other end of



the sleeve to correspond to the original diameter of said cylindrically surfaced portion of the valve port to receive the previously removed valve guide.

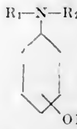
2,275,311

PROCESS FOR NUCLEAR ALKYLATION OF AMINO PHENOLS AND PRODUCT THEREOF

Charles J. Pedersen, Penns Grove, and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1938, Serial No. 216,584
9 Claims. (Cl. 260—574)

1. A process for nuclear alkylation of amino phenols which comprises condensing, in the presence of an acid-condensing agent selected only from the group consisting of sulfuric acid, hydrofluoric acid and phosphoric acid, an alkylating agent having an alkyl group containing from three to six carbon atoms with an amino phenol of the formula



wherein R_1 and R_2 each represent any member of the group consisting of hydrogen atoms, alkyl radicals, aralkyl radicals, and aryl radicals.

2,275,312

PROCESS OF NUCLEAR ALKYLATION IN THE PRESENCE OF HYDROFLUORIC ACID

John M. Tinker, Penns Groove, and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1938, Serial No. 216,585
14 Claims. (Cl. 260—515)

14. In a process of nuclear alkylation by condensing an isocyclic compound with an alkylating agent having an alkyl group containing at least three carbon atoms, the step which comprises condensing the reactants in the presence of anhydrous hydrofluoric acid as the effective catalyst.

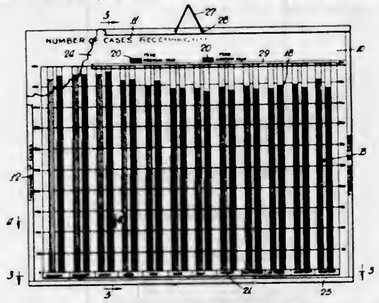
2,275,313

STATISTICAL CHART

Pirie H. Perényi, Albany, N. Y., assignor of one-half to Edward T. Frankel, Albany, N. Y.

Application August 9, 1940, Serial No. 351,939
3 Claims. (Cl. 116—135)

1. An adjustable statistical chart comprising a rigid base board, a plurality of parallel continuous bands each of length substantially completely to embrace the base board, each of said bands having substantially half of its length of color distinguished from that of the remainder, and a label band extending in the same plane but directed at right angles to that of said plurality of bands and traversing the combined widths of said bands and bearing label designations extending in a predetermined sequence along the width occupied by said plurality of parallel bands, said label band having a repeti-



tion of said sequence, the two sequences conjointly extending along substantially the entire length of said label band, whereby the label band may be adjusted to identify the parallel bands by consecutive label designations beginning with any selected label designation.

2,275,314

GLUE SUITABLE FOR GLUING WOOD VENEERS

Gordon G. Pierson, Lansdale, Pa., assignor to Perkins Glue Company, Lansdale, Pa., a corporation of Delaware

No Drawing. Application August 19, 1938, Serial No. 225,813
7 Claims. (Cl. 260—9)

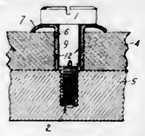
1. A glue suitable for gluing wood veneers having an acid reaction at least during the development period of the glue bond comprising burst starch selected from the group consisting of cassava, potato, and sago starch, said burst starch furnishing adhesive properties to the glue and being at the most only slightly alkaline, and a potential formaldehyde-carbamide condensation product, said ingredients being dispersed in an aqueous medium, the amount of burst starch present being between about 15% and 85% of the total weight of burst starch and potential condensation product (dry basis) and the amount of water present being between about 3 parts of water to 1 part of solids and about 1 part of water to 1 part of solids in the glue.

2,275,315

MEANS FOR ATTACHING FRAGILE BODIES TO A SUPPORT

Reginald John Ray, Ashfield, near Sydney, New South Wales, Australia

Application January 2, 1940, Serial No. 312,141
In Australia January 12, 1939
2 Claims. (Cl. 85—50)



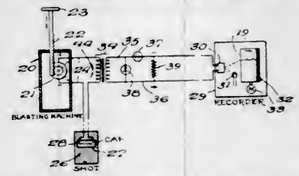
1. Means for attaching a fragile body to a support, comprising a fixation bolt formed with a head, and with a shank to be fixed to the support in any suitable manner, a sleeve embracing said shank and adapted to be passed through an aperture formed in the fragile body, the length of said sleeve exceeding the thickness of the fragile body to enable one end of said sleeve to engage the support, and an elastic flange connected to the other end of said sleeve and adapted to be compressed between the head of the fixation bolt and the fragile body.

2,275,316

APPARATUS FOR SENDING AND RECORDING TIME IMPULSES

Otto F. Ritzmann, Aspinwall, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application June 26, 1941, Serial No. 399,923
4 Claims. (Cl. 234—36.5)



1. An apparatus for sending and recording clearly a current impulse of irregularly fluctuating character, comprising a circuit including an inductive coupling means and means for producing an abrupt change in current in said circuit whereby on such abrupt change a current impulse is induced in the coupling means, said impulse being subject to irregular fluctuations, an oscillographic impulse recorder arranged to receive and record the induced impulse, said recorder being constructed and arranged to record the characteristic wave form of impulses applied to it, an electrical network having shunt and series branches arranged to transmit pulses from the coupling means to the recorder and at least two half-wave rectifiers each in a different branch of said network and each connected to allow transmission to the recorder of pulses of the polarity resulting from the abrupt change in current in said circuit and to obstruct transmission to the recorder of signals of opposite polarity, whereby the impulse as recorded is of sharp unidirectional character.

2,275,317

MEASURING AND CONTROLLING APPARATUS

John D. Ryder, University Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application January 17, 1939, Serial No. 251,388
18 Claims. (Cl. 236—74)



5. A temperature regulator comprising a Wheatstone bridge having four ratio arms and two conjugate conductors, a first resistance in one of said arms variable in correspondence with the temperature to be regulated, a second resistance in another of said arms variable in correspondence to the rate of application of an agent producing or maintaining the temperature, a source of alternating current connected in one of said conjugate conductors, and means for maintaining said bridge in balance comprising a pair of electron discharge devices, means for rendering one or the other of said devices con-

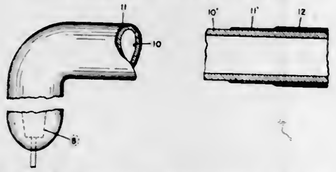
ducting in correspondence with the polarity of the alternating current in the other conjugate conductor occasioned by a loss of bridge balance and means responsive to the space current through said devices for concurrently varying said second resistance and the rate of application of the corrective agent in sense dependent upon which one of said devices is rendered conducting so that said balancing resistance is varied to restore the bridge to balanced condition.

2,275,318
SAFETY CAN
Hans Rasmussen, Everett, Mass., assignor to Dover Stamping and Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application October 4, 1939, Serial No. 297,789
4 Claims. (Cl. 221—15)



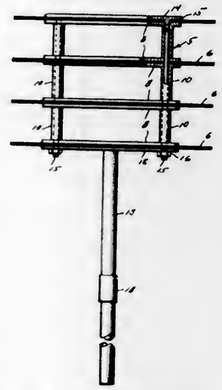
1. A safety can comprising a can body having an opening in its top with seat at the entrance to said opening, a combination pour-out nozzle and valve casing fitted to have closed engagement with said seat, means for pivotally supporting said casing to be movable into and out of closed engagement with said seat, a manually releasable spring latch for holding said casing in closed engagement with said seat including means whereby said latch may automatically be turned by the operation of said casing during the closure thereof into a disengaging position and released to automatically assume locking engagement with said casing when the casing is in engagement with said seat, valvular means for controlling the passage through said casing including a valve located within said casing and a stem operable from outside said casing, and manually operating means for opening said valve when said casing is in its closed position with said seat.

2,275,319
DUAL USE SIGN AND EXHIBITION DEVICE
Carl R. Ruse, Toledo, Ohio, assignor to Plastic Lights, Inc., Toledo, Ohio, a corporation of Ohio
Application July 12, 1939, Serial No. 284,037
8 Claims. (Cl. 40—130)



1. A dual use sign comprising a glass tube shaped in its longitudinal dimension for a predetermined visual indication and reflecting external light by an exterior surfacing of a vitreous enamel to also transmit light from within, said tube having electrodes and containing a gas which is luminous as energized by a high tension electric current, said surfacing being integrally and permanently fused to the forward portion of said glass tube and being as durable as the tube.

2,275,320
FLUE CLEANER
Theodor Savicki, Brooklyn, N. Y.
Application April 7, 1941, Serial No. 387,321
1 Claim. (Cl. 15—162)

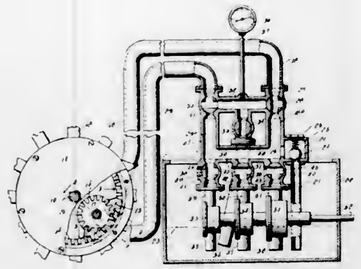


In a cleaner of the class described, a plurality of pairs of plates and tubular members connecting the plates of each pair together in spaced relation, each plate having flat upper and lower faces, cleaning members having portions resting on the outer faces of the plates, the plates having holes therein forming continuations of the bores of the tubular members, a top plate for resting on the cleaning member which rests on the top plate of the upper pair, rods integrally connected with the top plate and passing through the holes of the plates, the tubular members and through the cleaning members, a bottom plate engaging the lower cleaning member and through which the lower ends of the rods pass, nuts on the lower ends of the rods and engaging the bottom plate and a handle depending from the central portion of the bottom plate, said cleaning members comprising woven wire strands and edges extending well beyond the edges of said plates and comprising detached strand ends providing for maximum flexibility of the cleaning members throughout said edges thereof.

2,275,321
HYDRAULIC TRANSMISSION DEVICE
Charles E. Scates, Hueneme, Calif.
Application November 22, 1939, Serial No. 305,738
2 Claims. (Cl. 60—53)

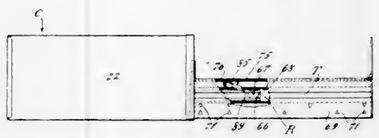
1. Apparatus of the class described having a motor, a source of hydraulic fluid, conduit means for passage of the fluid from the source to the motor and from the latter to the source, said conduit means including a casting having parallel side conduit sections, a first transverse conduit section and a second transverse conduit section, said transverse conduit sections communicating at opposite ends with the side conduit sections, conduits leading from the side sections to the motor, a casing integral with the casting communicating with the side and second transverse conduit sections having a valve therein, means

to pump fluid from the source into the second transverse conduit section under control of the valve, three way valves at the junction of the first transverse conduit section and side sections to connect one of the conduits leading to the motor to one of the side conduit sections while the other conduit leading to the motor is connected



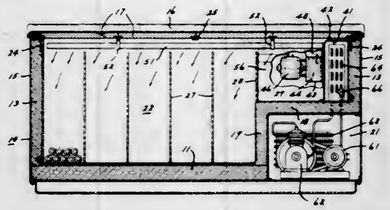
to the first transverse conduit section or to connect the other conduit leading to the motor to the other side conduit while connecting the first mentioned conduit leading to the motor to the first transverse conduit section, and a conduit means leading from the first transverse section to the source and including a valve operable for braking purposes.

2,275,322
REINFORCED COLLAPSIBLE FILE WITH ROLLER EXTENSION MOUNTING
Sol Scheinman, White Plains, N. Y.
Original application May 16, 1936, Serial No. 80,147, now Patent No. 2,061,485, dated November 17, 1936. Divided and this application September 18, 1936, Serial No. 101,444
12 Claims. (Cl. 45—27)



1. A collapsible drawer adapted to be slidingly associated telescopically with a casing, said drawer comprising a body of sheet paper board material, scored to define a bottom panel, front and rear panels, and side members, reinforcement plates of sheet metal, substantially co-extensive in height with the sides of said drawer and secured to the paper side members; and traction devices mounted on said plates, and movable with said side members into collapsed and erected positions.

2,275,323
REFRIGERATING APPARATUS
Sylvester M. Schweller, Herman J. Dick, and J Lowell Gibson, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 29, 1940, Serial No. 337,884
6 Claims. (Cl. 62—102)

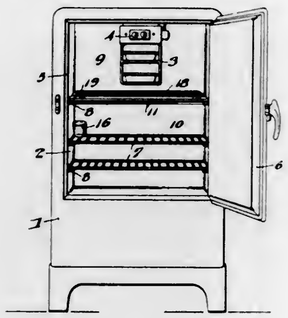


1. A dry bottled beverage storage and refrigerating apparatus comprising in combination, a cabinet including a bottom, side and end insulated walls and a top forming a horizontally elongated compartment therein, said cabinet top having an opening therein providing access to said compartment, a door or doors normally closing said compartment access opening, a closed chamber extending transversely across said horizontally elongated compartment, a cooling element of a refrigerating system disposed in said chamber, means forming an air duct having a connection with said chamber and extending outwardly therefrom along said elongated compartment, said air duct being provided with a plurality of spaced apart openings affording communication thereof with the lower portion of said elongated compartment, means beneath said cabinet top forming another air duct having a connection with said chamber and extending outwardly therefrom along said elongated compartment, said another air duct being provided with a plurality of spaced apart openings affording communication thereof with the upper portion of said elongated compartment, a fan adapted to circulate air through said duct forming means and said chamber, means for operating said fan to cause same to circulate air from said compartment through the openings in said first named duct forming means into said chamber and over the cooling element therein to cool the air, and said fan forcing the air cooled by said element out of said chamber into said another duct forming means and outwardly of the openings therein into the upper part of said elongated compartment whereby the cooled air flows downwardly in a plurality of streams along the length thereof.

2,275,324
MEANS FOR AND THE METHOD OF REFRIGERATION
James G. Scott, Washington, D. C.
Application March 4, 1940, Serial No. 322,256
18 Claims. (Cl. 62—89)

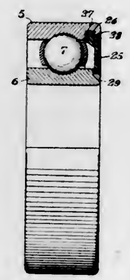
1. A refrigerator comprising a chamber, refrigerating means in the upper part of the chamber, and a heat exchange wall mounted within the chamber beneath and out of contact with the refrigerating means thus dividing the chamber into non-communicating upper and lower compartments the lower surface of said wall being of such

character and being inclined sufficiently to cause flow of water of condensation accumulated on



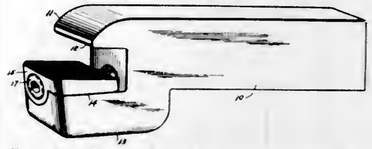
said heat exchange wall within the lower compartment to one side.

2,275,325
BEARING SEAL
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Original application November 5, 1936, Serial No. 109,211. Divided and this application December 12, 1939, Serial No. 308,810
2 Claims. (Cl. 286—5)



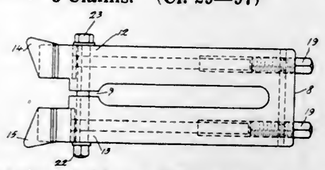
1. In a device of the character indicated, two concentric relatively rotatable members held in spaced apart relationship, one of said members inwardly from one end thereof having an annular groove integrally formed therein, a seal member to extend across the space between said relatively rotatable members for sealing the space therebetween, said seal member including a washer of relatively flexible impervious nonmetallic rubber-like material, said washer having a transversely enlarged edge and a generally radially extending projection projecting from said transversely enlarged edge, said projection serving to fit within said groove, and a part of said transversely enlarged edge serving to abut against a surface of said annularly grooved member adjacent one edge of said groove, the main body of said washer extending across the space between said members being offset in an axial direction from said projection on the enlarged edge thereof and at its other edge extending into sealing proximity to the ring at a zone offset axially outwardly from said annular groove and the outer surface being substantially flush with the outer edge of said grooved member.

2,275,326
TOOL BIT AND TOOL HOLDER THEREFOR
Ole Severson, Shelton, Conn., assignor to The Apex Tool and Cutter Company, Inc., a corporation of Connecticut
Application January 4, 1940, Serial No. 312,367
2 Claims. (Cl. 29—96)



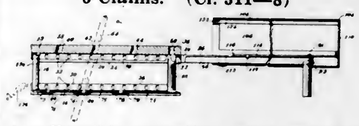
1. In a tool bit and holder combination, a holder having a furcated end, the opposite inner surfaces of the furcation being angularly disposed, a tool bit having its shank disposed between said surfaces, a bit retaining member having one surface parallel with one surface of the furcation and the opposite surface of the furcation surface parallel with another, means for moving said retaining member longitudinally within said furcation and comprising a compound bolt having a threaded portion engaging said member and an oppositely threaded portion engaging said holder.

2,275,327
TOOL HOLDER
Henry M. Sheridan, Erie, Pa., and Ole Severson, Shelton, Conn., assignors to The Apex Tool & Cutter Company, Inc., a corporation of Connecticut
Application February 12, 1941, Serial No. 378,538
3 Claims. (Cl. 29—97)



1. In a tool holder, a bifurcated body portion and means in each furcation thereof for securing a tool bit therein and means for adjusting the relationship of said furcations, said last-mentioned means being operable independent of said first-mentioned means.

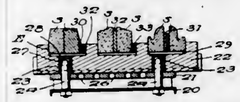
2,275,328
SURGICAL OPERATING TABLE
Julio Piñeiro Sorondo, Buenos Aires, Argentina
Application January 23, 1941, Serial No. 375,678
5 Claims. (Cl. 311—8)



4. A collapsible operating table especially for orthopaedic purposes, comprising a body portion including a table portion, a floor portion, hollow columns rigidly connecting said table portion to said floor portion in parallel spaced relationship to form a box like structure with open sides and ends, upper and lower frame members including apertured side members, tying said columns and supporting said table and said floor portions, an auxiliary frame slidably coupled to said body portion and adapted to be telescoped with respect thereto beneath said table portion, said auxiliary

frame including a pair of longitudinal members the ends thereof remote from said body portion being rigidly joined together by an end member, a plurality of bars secured to said end member and spaced to provide parallel gaps, an envelope mounted on said auxiliary frame and comprising side walls, a top and an end wall defining a bottomless housing open at the end nearest said body portion, ribs extending longitudinally inside said top in alinement with said gaps, and engaging said end member in said gaps to support the top of said envelope coplanarly with the table portion.

2,275,329
STONEWORKING MACHINE
Gustave A. Swenson, Champaign, Ill.
Application May 26, 1941, Serial No. 395,283
8 Claims. (Cl. 125—35)



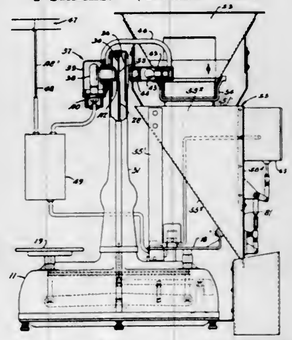
1. A stone supporting bed for stone planers, comprising upper and lower sections, said upper section having a longitudinally extending stone receiving recess therein, means for releasably interlocking said sections together against relative horizontal movement and for positioning one side wall of said recess parallel to the direction in which said bed and the cutting tool of the planer are moved relatively to each other, and said upper section being movable as a unit with said lower section and removable vertically from said lower section independently of said interlocking means.

2,275,330
SKI STICK
Finn Tveten, Oslo, Norway
Application June 28, 1939, Serial No. 281,715
In Norway June 29, 1938
3 Claims. (Cl. 280—11.37)



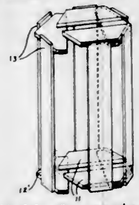
1. A ski-stick having an adjustable shaft comprising at least two telescopically joined shaft segments, one of which is hollow and forms a handle, an expansible ring within the telescoped portions of the shaft segments, an adjustable wedge within said ring, means for supporting said wedge and controlling the adjustment thereof, and a cap closing the free end of the handle segment and connected with said wedge supporting and controlling means.

2,275,331
HOPPER
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application April 25, 1938, Serial No. 204,009
4 Claims. (Cl. 221—118)



1. In a device of the class described, in combination, a hopper, material feeding means for delivering material to said hopper, said hopper having a plurality of walls, one of said walls being vertical and another of said walls being inclined relative to the vertical wall, a lower portion of the vertical wall being hinged to the upper portion of the vertical wall and forming a gate, electrical means secured to the upper portion of the vertical hopper wall, an "over-center" toggle linkage having one of its ends secured to said electrical means and its other end to said gate, an electric circuit operatively connecting said material feeding means and said electrical means and controlling the operation of said material feeding means and also controlling the operation of said "over-center" toggle to unlock said gate, and means in said circuit comprising a switch controlled by said electrical means secured to said hopper wall for preventing operation of said material feeding means when said hopper gate is unlocked.

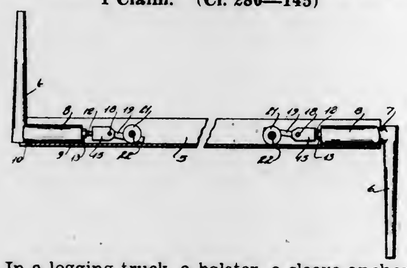
2,275,332
INSULATOR PACKING CRATE
Edgar R. Wilson, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 10, 1939, Serial No. 272,917
2 Claims. (Cl. 217—52)



1. A crate suitable for protecting high tension insulators during transit and installation, comprising two units separable from one another each including an end connected to slats, the end of one unit consisting of a single part having two sides to which two of the slats are attached and the corresponding end of the other unit having three parts each having at least one side engaged by a slat and one of which is like the end of the first unit and oppositely disposed and in spaced

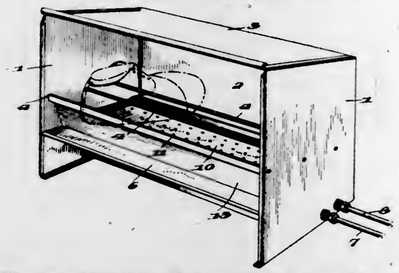
relation thereto and the remaining two of which are alike and disposed in spaced relation to one another and arranged at right angles to and overlapping the end part of the first defined unit and pins passing through overlapping end parts of the respective units pivotally connecting them to one another.

2,275,333
STANDARD FOR TRUCKS
Thomas Abraham Younce, Sr., Jesup, Ga.
Application August 18, 1941, Serial No. 407,377
1 Claim. (Cl. 280—145)



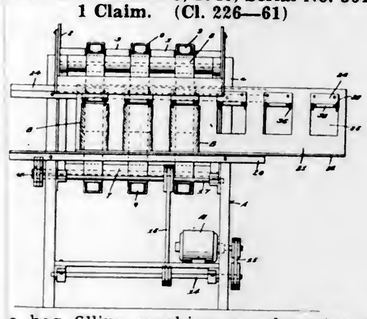
In a logging truck, a bolster, a sleeve anchored to the bolster and having a recessed outer end at the end of the bolster, a standard having a shank slidable and rotatable in the sleeve, a rod connected to the inner end of the shank, a yoke to which the opposite end of the rod is connected, a pitman connected to the yoke, a rotatably mounted disk having a wrist pin eccentrically carried thereby, the said pitman being connected to the said wrist pin whereby when the wrist pin is moved below the axis of the disk the bolster is held in the recess of the sleeve.

2,275,334
SHOE SOFTENER OR CONDITIONER
Alfred Young, Hanover, Pa., assignor to The Hanover Shoe, Inc., Hanover, Pa., a corporation of Pennsylvania
Application October 21, 1939, Serial No. 300,637
1 Claim. (Cl. 12—1)



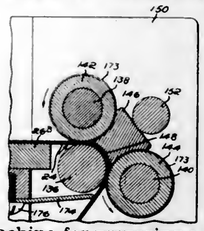
The combination of an outer casing forming an open chamber, a steam-box at the lower portion of the chamber formed by the casing, a steam or vapor pipe extending into the steam-box and discharging downwardly therefrom, a pipe extending from said steam-box for draining condensation, a removable screen covering the top of the steam-box which has the double function of breaking up and distributing the steam or vapor rising from the inlet, and of catching nails or tacks which may drop from the work being treated, rods extending throughout the length of the chamber for the support of the shoes being softened or conditioned at a point above the steam-box, a sloping shelf, and a baffle adapted to be removably supported on one of the rods with its lower edge resting on the sloping shelf.

2,275,335
POTATO SACKING MACHINE
John Achatz, Hooper, Colo.
Application November 5, 1940, Serial No. 364,447
1 Claim. (Cl. 226—61)



In a bag filling machine, an elongated slide member, means for supporting the same for horizontal sliding movement and a plurality of bag holding means carried by the sliding member, some of the means holding the bags in position for receiving objects while other bag holding means are receiving empty bags, said slide member having a shelf forming part for supporting the bottoms of the bags, tubular members extending from the upper portions of the slide member, a yoke-shaped member forming each bag supporting means and having its limbs passing through the tubular members with the ends of the limbs pointed to pass through rear portions of the bags, spring means for moving the U-shaped members to cause their pointed ends to engage parts of the bags, a sleeve on each limb of each U-shaped member, a hook having a forwardly extending part carried by each sleeve for engaging a forward part of the bag, a spring for normally holding the sleeve in a forward position and guide means for each hook.

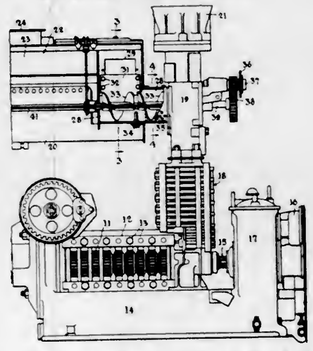
2,275,336
MEANS FOR JOINING SCORED SHEETS AND BREAKING ALONG SCORED LINES
Charles E. Attwood, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts
Application October 22, 1937, Serial No. 170,379
6 Claims. (Cl. 154—36)



2. In a machine for preparing a composite web from an adhesive coated strip and a series of sheets provided with parallel score lines, the combination of means for applying the sheets edge to edge in series to the adhesive coating of the strip, means for rendering the adhesive temporarily tacky to cause the sheets to adhere thereto,

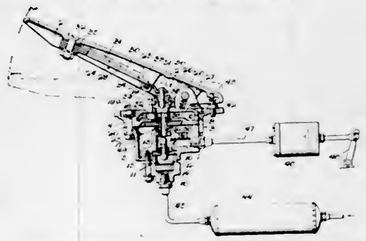
a roller over which the resultant web is passed with the strip next to the roller, and means including a breaker bar for causing the web to conform to the surface of said roller.

2,275,337
EXPRESSING OF OLEAGINOUS MATERIAL
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1939, Serial No. 290,000
2 Claims. (Cl. 100—48)



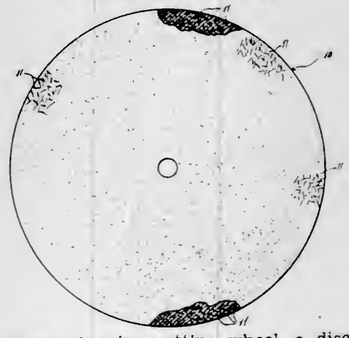
1. The combination with a press of the continuous screw type for expressing liquid from oleaginous materials, of a conditioner for preparing material for treatment in said press, the outlet of the conditioner being connected to the inlet of the press, said conditioner including a main casing containing rotary agitating means arranged to discharge conditioned material laterally from the discharge end of the conditioner adjacent said press inlet; a lateral casing having drainage openings and disposed adjacent the outlet end of said conditioner to receive material discharged from said main casing by said rotary agitator; and a continuous expressing means comprising discontinuous worm flights with interposed stationary stop means in said lateral casing for compacting material delivered thereto and removing a portion of its liquid content before discharging it into said press.

2,275,338
BRAKE MECHANISM
William J. Andres and Frederick E. Strohm, Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application October 6, 1939, Serial No. 298,324
12 Claims. (Cl. 303—54)



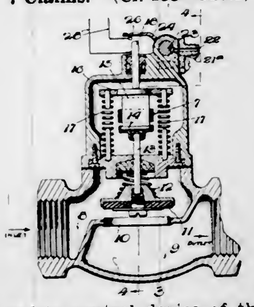
12. The combination with a fluid pressure control valve mechanism having a casing, inlet and exhaust valves, and a member for actuating said valves, of means for operating said member including a pedal pivotally mounted in relation to said casing and a resilient member carried by and solely positioned by said pedal in operative relationship with said member for actuating said valves in response to movement of said pedal.

2,275,339
ABRASIVE CUTTING WHEEL
Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut
Application February 8, 1941, Serial No. 377,997
6 Claims. (Cl. 51—206)



1. In an abrasive cutting wheel, a disc comprising abrasive grain, metal wool fibres, and a bond securing the grain and wool fibres together in the disc, said wool fibres generally not more than one-fourth of an inch in length whereby they are uniformly distributed and disposed at random in said disc, and said disc not more than five thirty-seconds of an inch in thickness.

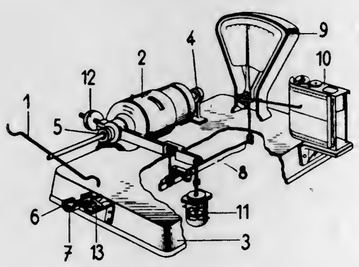
2,275,340
RESETTING MEANS FOR SAFETY SHUTOFF DEVICES
Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company, Baltimore, Md., a corporation of Maryland
Application January 31, 1940, Serial No. 316,676
7 Claims. (Cl. 158—117.1)



1. In a safety control device of the type employing an electromagnet for holding the device in open position and requiring manual resetting to open position, the combination of an armature connected to a controlling member, resilient means for biasing said armature and controlling member to closed position, a movable U-shaped magnetizable element having pole pieces cooperating with said armature, a stationary electromagnet winding surrounding at least one leg of

said element and arranged to permit the free movement of said element therethrough, said winding being adapted when energized to cause said element to hold the armature and the controlling member in open position, resilient means stronger than said first-named resilient means for biasing said U-shaped element together with said armature to open position, said second-named resilient means acting in opposition to said first-named resilient means and operating to hold said first-named resilient means under compression when said armature is holding the controlling member in open position, and resetting means for manually moving said pole pieces into engagement with said armature when said armature is in the closed position of said controlling member against the action of said last-named resilient means, whereby upon resetting said pole pieces may be moved manually into engagement with said armature and upon the manual release of said resetting means said U-shaped element, armature and controlling member may be moved to open position by said last-named resilient means provided said winding is properly energized.

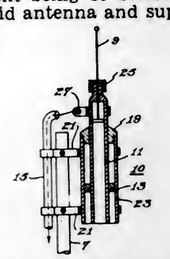
2,275,341
MEANS FOR TESTING DOUGH
Carl Willy Brabender, Duisburg, Germany
Application February 4, 1937, Serial No. 124,066
In Germany February 10, 1936
2 Claims. (Cl. 265—16)



1. In combination, a motor driven shaft, a radial arm secured to said shaft and having a hook at the end which is adapted to be rotated in the circumference of a circle by said shaft, supporting means comprising parts located on opposite sides of the path of said hook when rotated, whereby a cylindrical sample of dough may be supported with its central portion adapted to be engaged by said hook, and means for visually indicating the resistance which the dough sample offers to movement of said hook.

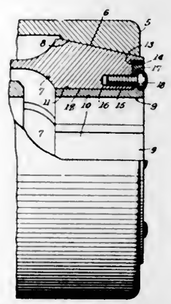
2,275,342
HIGH FREQUENCY ANTENNA
George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1939, Serial No. 305,813
14 Claims. (Cl. 250—33)

1. A high frequency antenna comprising a radiating element having one end electrically connected to the inner member of a reactive concentric supporting element, means for connecting the junction of said antenna and said supporting element to a transmission line of predetermined characteristic impedance, the length of said radiating element and the reactance of said supporting element being so selected that the impedance of said antenna and supporting element



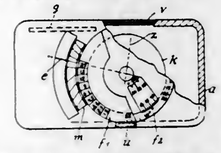
at said point of connection is equal to said predetermined characteristic impedance.

2,275,343
CHUCKING MEANS
Fred J. Bechert, Stamford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application March 1, 1939, Serial No. 259,172
1 Claim. (Cl. 279—51)



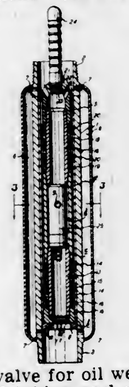
A collet including a plurality of jaws, pads for said jaws, outwardly extending flanges at the front of said pads, coacting cam surfaces on said jaws and flanges at the front of said collet, said cam surfaces being formed to urge said pads radially outwardly of said jaws, and means for urging said cam surfaces into engagement with each other for camming said pads outwardly of and into position on said jaws.

2,275,344
MEASURING INSTRUMENT, PARTICULARLY AN EXPOSURE METER
Albrecht Bernhard, Guido Beyrich, and Hans Habermann, Nuremberg, Germany, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete, Nuremberg, Germany, a company of Germany
Application April 29, 1940, Serial No. 332,358
In Germany October 8, 1938
2 Claims. (Cl. 88—23)



1. An exposure meter comprising a casing including upper, front and side walls, a photo-electric element and a direct current measuring instrument arranged within said casing, a pair of pointers operated by said measuring instrument, a fixed scale on said upper wall, a window in said upper wall adjacent said fixed scale for viewing one of said pointers, said rear wall having an aperture for viewing the other of said pointers, a transparent fixed scale arranged inside the casing adjacent to the said latter pointer, a window provided in the front wall for transmitting light to the transparent scale, each scale comprising a non-uniformly divided graduation and a uniformly divided graduation connected with said first graduation by guide lines, a disc pivotally arranged on said upper wall, a scale on said disc cooperating with said uniform graduation corresponding to a determining factor, a transparent scale of cylindrical form arranged inside the casing adjacent to said transparent fixed scale, and said disc being rigidly connected to said second mentioned transparent scale.

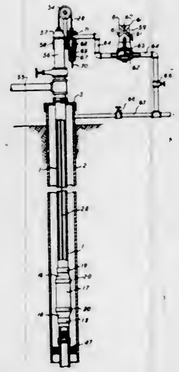
2,275,345
REMOVABLE GAS LIFT APPARATUS IN OIL WELLS
Thomas E. Bryan, Fort Worth, Tex.
Application February 21, 1938, Serial No. 191,767
8 Claims. (Cl. 103—232)



1. A gas lift valve for oil wells, in combination with a string of tubing and casing, a fitting interposed within the said tubing having a passage therethrough of the same internal diameter as the said tubing, integral portions providing external fluid passages communicating interiorly of the said fitting with said passage at each end thereof, a port providing a communication through the walls of the said fitting between the exterior and interior intermediate its ends, a removable valve assembly having a cylindrical housing supported within the said fitting, means on the said housing forming frangible sealed connections with the internal walls of the said fitting on each side of the said port, a communication through the walls of the said housing in the vicinity of the said port providing passage for gas pressures into the said fitting and the said tubing thereabove, and valve elements supported within the said housing interrupting the said communication actuated by liquid pressures within the said tubing and by gas pressures without the latter.

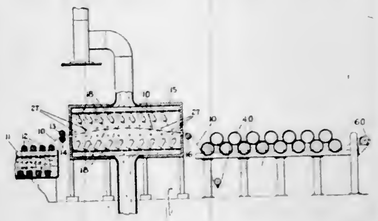
2,275,346
GAS LIFT VALVE AND SURFACE OPERATING MECHANISM
Thomas E. Bryan, Fort Worth, Tex.
Application February 9, 1939, Serial No. 255,395
22 Claims. (Cl. 103—232)

1. In combination with a string of tubing and casing in an oil well, a removable valve adapted to be positioned in the said tubing, the said valve comprising a tubular housing and having a valve rod operatively arranged therethrough, a valve closure element connected to the said rod, a valve seat, ports arranged in the said seat and in the walls of the said housing providing communications through the said valve and the said housing exteriorly of the said housing and the



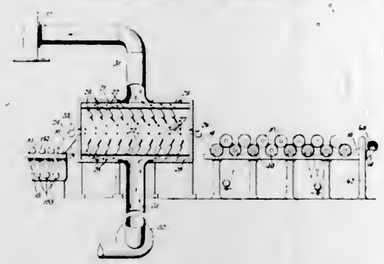
space interiorly of the said tubing admitting pressure fluid to the said tubing above the said valve through the said valve seat, means comprising flow passages providing communications between the said valve housing and the said casing exteriorly of the said tubing, means connected from the earth's surface to the said rod providing an operating means for the said valve, and means actuating the said operating means at predetermined intervals.

2,275,347
CELLULOSIC STRUCTURE AND METHOD FOR PREPARING SAME
William Hale Charch and Francis P. Alles, Buffalo, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1935, Serial No. 46,324
Renewed March 2, 1940
11 Claims. (Cl. 18—57)



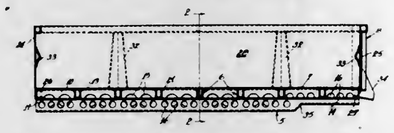
2. In the method of toughening non-fibrous, cellulosic sheets and films cast from aqueous alkaline cellulosic solutions, the steps which comprise passing said films through a bath containing a softening agent, preliminarily drying the same to a point at which they contain between 100% and 200% moisture based on the weight of the cellulosic material, with substantially complete elimination of tension, and completing the drying of said films under tension.

2,275,348
CELLULOSIC FILM AND METHOD OF MAKING
William Hale Charch, Buffalo, and Francis P. Alles, Williamsville, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 12, 1940, Serial No. 313,502
15 Claims. (Cl. 18—57)



1. In the method of producing non-fibrous, cellulosic sheets and films from aqueous alkaline cellulosic solutions the steps comprising coagulating said sheets and films, purifying the same, preliminarily drying the same, with substantially complete elimination of tension, until the moisture content has been reduced to such an extent that further drying under tension will result in an improvement in toughness of the said sheets and films over that which will result in the absence of said preliminary drying step, said sheets and films after said preliminary drying step containing at least 100% moisture based on the weight of the cellulosic material, and completing the drying of said films under tension.

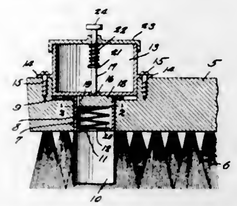
2,275,349
LIGHT WEIGHT FLOOR CONSTRUCTION
Gustave A. Collender, Los Angeles, Calif., assignor to Six Wheels Inc., Los Angeles, Calif., a corporation of California
Application August 10, 1940, Serial No. 352,168
7 Claims. (Cl. 296—28)



1. A horizontal supporting structure of the character described comprising spaced substantially parallel primary members and a plurality of substantially parallel secondary members arranged across said primary members, the primary members being formed as upwardly open channels each having a low wall and a high wall that is provided with spaced openings the bottom edges of which are substantially at the level of the top of the low wall, and said secondary members resting upon said top of the low wall and extending through said openings.

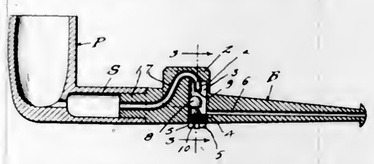
2,275,350
SHOE POLISHING BRUSH
Albert W. Cords, Elmhurst, Ill.
Application January 26, 1940, Serial No. 315,837
1 Claim. (Cl. 15—131)

In a shoe brush, a polishing brush comprising a body portion having tufts of bristles extending from one surface thereof, said body portion having an opening formed near one end thereof, said opening having a reduced lower portion, a discharge tube positioned in the reduced portion of the opening and extending to a point adjacent to the free ends of the bristles, a tube mounted within the first-mentioned tube and extending to the lower edge of the body portion, the lower end of the latter tube being partially closed, a container positioned in the opening of the body portion and having a discharge opening, a rod extending through the discharge opening, a disk at the upper end of the rod, a valve closely fitted



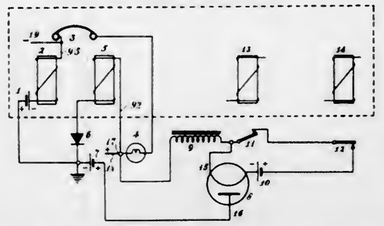
within the second mentioned tube and having an opening in the edge thereof through which shoe polish passes, said valve adapted to normally engage the bottom of the container preventing discharge of material from the container, a coiled spring disposed between the bottom of the container and disk of said rod, said spring adapted to normally urge the valve to its seat, a rod extending through the top of the container and adapted to engage the first-mentioned rod whereby the first-mentioned rod and valve may be moved downwardly allowing material to flow from the container, and means on the last-mentioned rod for restricting vertical movement thereof.

2,275,351
PIPE BIT
Chester C. Doty, Silver Creek, N. Y.
Application January 30, 1940, Serial No. 316,407
2 Claims. (Cl. 131—215)



1. A bit for a smoking pipe provided intermediate its end with a chamber, a smoke duct within the bit leading from one end portion of the chamber to the outer end of the bit, a smoke tube leading from the inner end of the bit and extending within the chamber at the opposite end thereof, the portion of the tube within the chamber being substantially at right angles to the induction end of the tube and the induction end of the smoke duct and terminating in a plane short of said induction ends of the tube and smoke duct, the inserted end of the tube constituting a valve seat, a freely mounted valve member within the chamber for coaction with the valve seat only upon undue tilting or turning of the bit, the end of the chamber adjacent to the duct being open, a plug for closing said opening, and a pin extending from the inserted end of the plug at substantially the center thereof to provide means to prevent the valve member closing the duct.

2,275,352
CALL NOTIFYING SIGNALING DEVICE FOR ENGAGED TELEPHONES
Aristides Ernesto Durante, Buenos Aires, Argentina
Application January 22, 1941, Serial No. 375,509
In Argentina July 23, 1940
23 Claims. (Cl. 179—84)



1. In a semi-automatic telephone system comprising a plurality of stations each including calling means for calling any other station and receiving means for receiving communications from any one other station at a time, said calling means including an audible call signaling means at each station, final selector means specifically and operatively associated with each station and including an ultimate relay energisable only when the corresponding specific station is disengaged, and an anterior relay energizable at all times by actuation of the calling means of another station, and said receiving means including a receiving station and a local circuit for said receiving station comprising a feeder battery, an impedance relay winding connected between one side of said battery and one side of said receiving station, and a second impedance relay winding connected between the other side of said battery and the other side of said receiving station, ancillary "notification of call" signaling means including a series circuit comprising a normally open contact operatively associated with said anterior relay, a normally closed contact operatively associated with said ultimate relay, an energising battery and a voltage boosting device, and an ancillary circuit including an impedance connected between one side of said boosting device and a point between said second impedance relay winding and said receiving station, a notification of call signaling lamp connected in series between said point and said receiving station, an ancillary battery connected at one pole to the other side of said boosting device and at the other pole to a point between said second impedance relay winding and said feeding battery, whereby, on operation of said anterior relay, said boosting device is energised to boost the voltage in said local circuit to a value effective to cause glowing of said signaling lamp, and upon subsequent energisation of said ultimate relay by reason of the disengaged condition of the specific station associated therewith, said normally closed contact is actuated to open the series circuit and thereby prevent boosting of the voltage in the local circuit.

2,275,353
FOLDING LEG STRUCTURE
George J. Engert, Spokane, Wash.
Application December 29, 1939, Serial No. 311,664
5 Claims. (Cl. 304—5)

1. A folding leg structure including, in combination with a body, a pair of legs, and means swingingly connecting the legs to the body, said means including a hinge having a swinging plate, means connecting the swinging plate to the legs and a base plate mounted on the body and having a rib at one end thereof, said rib reinforcing the



base plate and defining a stop for limiting outward swinging movement of the legs.

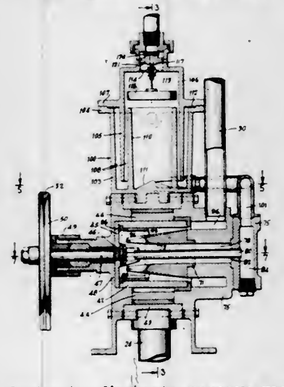
2,275,354
PREPARATION OF NEW THERAPEUTICALLY USEFUL HETEROCYCLIC COMPOUNDS
Arthur James Ewins, Gidea Park, Romford, and Montague Alexander Phillips, Romford, England, assignors to May & Baker, Limited, London, England, a company of Great Britain and Northern Ireland
No Drawing. Application November 1, 1938, Serial No. 238,164. In Great Britain November 29, 1937
12 Claims. (Cl. 260—295)

1. Para - aminobenzene - sulfonamido pyridine compounds of the formula

$$X—R—SO_2—Y$$

in which X is a radical of the class of amino groups, Y is the radical of an amino-pyridine the amino group of which is linked to the —SO_2— group, and the R is a phenylene radical.

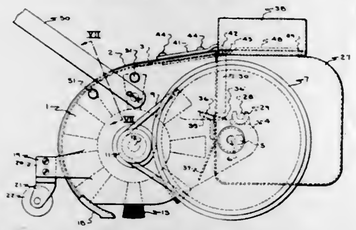
2,275,355
PUMP AND AIR SEPARATOR
Walter S. Finken, Brooklyn, N. Y., assignor of one-half to Bjournulf Johnsen, Summit, N. J.
Application April 28, 1938, Serial No. 204,922
11 Claims. (Cl. 103—136)



8. A device to eliminate gaseous medium from liquid comprising a casing formed with a rotor recess and an inlet and priming chamber and a discharge chamber, the capacity of said rotor recess being greater than that of the inlet and priming chamber, a displacement element comprising a tubular rotor within the rotor recess, a substantially conical member formed with a bore and disposed within the rotor in spaced relation thereto, an end closure member formed with a cylindrical recess in register with the bore in the conical member and a nozzle-like passage leading into the cylindrical recess tangentially

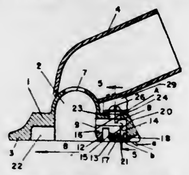
thereto, means to conduct fluid from the discharge chamber to the nozzle-like passage, the bore of said conical member increasing in diameter away from the cylindrical recess, an axially disposed perforated hub carried with the rotor to turn therewith and in part at least within the end of the conical member, a tube in communicating relation with perforations in the hub, an accumulator comprising a cylindrical cup-shaped container at an elevation higher than said tube, a conical bottom in said container, a progressively restricted passage conducting fluid from the tube to the container tangentially thereof and an escape valve in the top of the inverted member.

2,275,356
FLOOR SWEEPER
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man," Inc., Jackson, Mich., a corporation of Michigan
Application January 16, 1939, Serial No. 251,056
3 Claims. (Cl. 15—49)



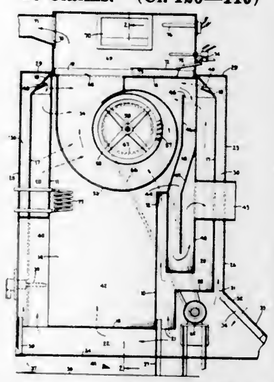
1. A sweeper of the character described, comprising ground wheels, a rotary cylindrical brush, means to rotate said brush in the same direction as said ground wheels, a dirt catching apron behind said brush, means extending laterally of said sweeper pivotally mounting said apron, means to adjust the apron about said mounting means into contiguous relation with the surface being swept, a dirt receptacle in front of said brush having an opening above the center line of said brush and spaced therefrom, a curved surface behind and over said brush forming an extension of said apron to direct dirt swept by said brush and picked up by said apron into said receptacle, a substantially flat deflecting surface extending from the lower edge of said opening rearwardly into contiguous relation with said brush, bridging the space between said brush and said opening, to direct dirt carried by said brush and directed by said first named surface into said opening, and a rearwardly inclined deflecting surface in front of said brush for deflecting the draft created by said brush toward said apron.

2,275,357
VACUUM CLEANER NOZZLE
Walter S. Gaines, Chagrin Falls, Ohio
Application February 17, 1939, Serial No. 256,951
1 Claim. (Cl. 15—157)



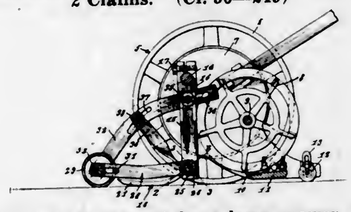
A vacuum cleaning tool of the character described, comprising, in combination, a vacuum cleaning device having a flange defining a nozzle opening and presenting a surface for operative engagement with the surface of the material to be cleaned, said surface when in such operative engagement being adapted to prevent the admission of air to said nozzle opening other than through the material being cleaned, and a material surface cleaning device comprising a body member having a relatively smaller nozzle opening, a flange defining such opening, and a passage including a pair of spaced vertical passages connected to said smaller nozzle opening and a horizontal passage leading from said vertical passages, said vacuum cleaning device having an opening spaced from its nozzle opening and in constant communication with said horizontal passage, and a portion of said last-named flange being slightly spaced from such surface to be cleaned, said passage, said flange portion and smaller nozzle opening being adapted to draw air at high velocity over the surface of the material being cleaned in an amount insufficient to substantially interfere with the cleaning action of said vacuum cleaning device.

2,275,358
AIR CONDITIONING DEVICE
Jonathan P. Glasby, Jr., Verona, N. J., assignor to J. P. Glasby Manufacturing Co., Inc., Bloomfield, N. J., a corporation of New Jersey
Application April 2, 1936, Serial No. 72,302
Renewed October 18, 1939
10 Claims. (Cl. 126—110)



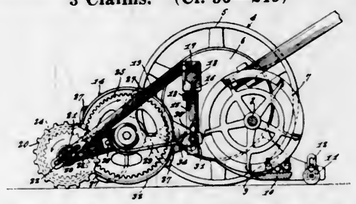
1. In an air conditioning device, in combination, a combustion chamber, rectangular in cross-section having a top wall and a bottom wall and formed in the upper portion thereof with an outlet for the products of combustion, a cochleate passage in the upper portion of said combustion chamber extending substantially across the combustion chamber from side to side, the outlet of said cochleate passage being disposed in the top wall of the combustion chamber and said passage being disposed in the path of the products of combustion, an inner casing of rectangular cross-section defining an inner air chamber surrounding said combustion chamber and in spaced relation thereto, an inlet of said cohcleate passage being formed at each side in the side wall of the combustion chamber and opening into said inner air chamber, an outer casing of rectangular cross-section comprising a bottom and enclosing, in spaced relation, the combustion chamber and the inner casing and defining an outer air chamber, a centrifugal fan in said cochleate passage having a fan shaft, bearings for said fan shaft disposed in the inner casing in the path of the air entering the inlets of the cochleate passage, said inner casing being formed with passages at the top and bottom to conduct air from the outer air chamber into the inner air chamber and an air inlet in the lower portion of the outer casing.

2,275,359
LAWN MOWER ATTACHMENT
Samuel Gargiule and Frank Taranta, Plainfield, N. J.
Application October 28, 1940, Serial No. 363,214
2 Claims. (Cl. 56—249)



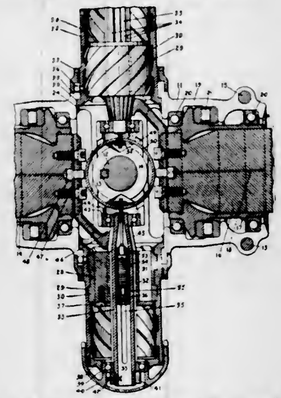
1. In an attachment for a lawn mower, a pair of depending brackets secured to the end portions of the cross bar of the mower, a tooth supporting member connected to and extending between the lower ends of the said brackets, a plurality of teeth secured and projecting forwardly from the said supporting member, a spacer arm attached to and projecting forwardly from the lower end of each bracket, a shaft mounted in the outer end of the said spacer arm, a ground engaging roller supported on the shaft, a support arm having its rear portion connected with the upper part of each bracket and its front portion connected with the wheel shaft, and a lever connected to the tooth supporting member and having its outer end adjustably connected to the support arm for maintaining the said teeth in selectively adjusted position.

2,275,360
ROTARY RAKE ATTACHMENT
Samuel Gargiule and Frank Taranta, Plainfield, N. J.
Application October 28, 1940, Serial No. 363,215
3 Claims. (Cl. 56—249)



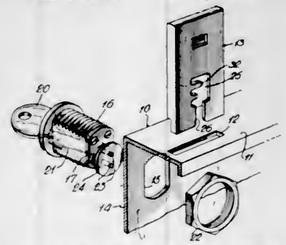
1. In an attachment for a lawn mower, a pair of vertically disposed brackets mounted on the opposed end portions of a cross bar of the mower, an arm fastened to the upper end of each of the said brackets and extending forwardly and downwardly therefrom, a transversely extending shaft mounted in the outer end of each arm, a rotary ground engaging wheel mounted on the said shaft, a spur gear mounted beside and rotatable with the ground engaging wheel, a housing section having its inner portion attached to the lower part of each depending bracket and its front portion supported on the said shaft, a tooth-carrying roller rotatably mounted on the inner portions of the said housing sections, a gear connected with each end of the said roller in mesh with the gear rotating with the ground wheels and operable during movement of the mower to rotate the roller and the teeth carried thereon.

2,275,361
ADJUSTABLE PITCH PROPELLER
Edwin H. Godfrey, Wenonah, N. J., assignor, by mesne assignments, to Columbia Aircraft Products, Inc., a corporation of New Jersey
Application March 6, 1937, Serial No. 129,487
10 Claims. (Cl. 170—162)



1. In a variable pitch propeller, a housing, a propeller blade revolubly mounted in said housing, a centrifugal means, a helix guiding said centrifugal means in said housing outside of said propeller, a gear shaft, reduction gears operatively connecting said shaft to said blade, and means slidably but non-rotatively guiding said gear shaft in said centrifugal means.

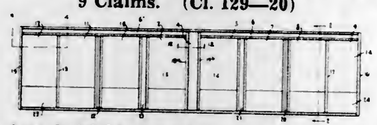
2,275,362
LOCK
Abraham H. Golden and Charles Ledin, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application November 8, 1940, Serial No. 364,858
11 Claims. (Cl. 70—134)



1. In a clock of the class described, a cylinder, a key plug rotatable relatively to said cylinder, a bolt slidable relatively to said cylinder, a cam pin on the end of said plug, said bolt having a cam slot, an outlining surface for said cam slot with which said cam pin cooperates for imparting sliding movement to said bolt, as said key plug rotates, said cam slot terminating in an open entrance slot adapted for alignment with the cam pin on said key plug in one rotated position of said key plug so that said bolt may slide freely relatively to said cylinder with said entrance slot aligned with said

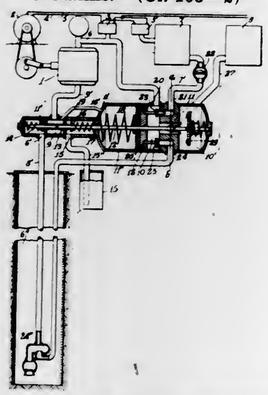
cam pin until said cam pin enters said cam slot, whereby to assemble said bolt to said cam pin for actuation thereby, rotation of said cam pin thereafter with said plug acting on said outlining surface to move said bolt relatively to said cylinder, said bolt being freely slidable for removal when said key plug is rotated once again to align its cam pin with said open entrance slot.

2,275,363
FOLDING POCKET
Karl J. Guhne, Rochester, N. Y.
Application May 19, 1939, Serial No. 274,510
9 Claims. (Cl. 129—20)



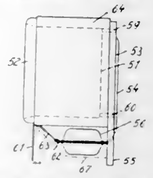
1. A pocket folder consisting of an opaque sheet, two sheets of transparent material fastened to the opposite edges of said opaque sheet, sheets of transparent material extending over the opaque sheet and across the transparent sheets, all of said sheets being fastened at one side, at their ends and at spaced positions parallel to said ends to form a plurality of pockets, at least two pockets being formed with the opaque sheet, and all the pockets being adapted to lie unfolded substantially in a plane and to fold about the junctures to form a compact folder of substantially the same width as one pocket.

2,275,364
DEEP WELL AND CISTERN AUTOMATIC PUMPING PLANT
Thaddeus S. Harris, Waverly, Ill.
Application May 29, 1939, Serial No. 276,394
9 Claims. (Cl. 103—2)



1. In a deep well and cistern automatic pumping plant the combination of a suction type pump, an electric motor operably connected to said pump, a well water storage tank, a cistern water shortage tank, a well, a cistern, an automatic valve control unit, said unit comprising, a tubular discharge control chamber, an intake valve chamber fixed to said discharge control chamber, a plunger disposed in said control chamber, a spring disposed in that portion of said control chamber that is adjacent to said intake valve chamber to support said plunger, a passage extending from this end of said control chamber to said intake valve chamber, a discharge passage extended from the opposite end of said control chamber to said pump, a delivery passage extended from this end of said control chamber to said well water tank, a second delivery passage from this end of said control chamber, said passage being extended to said cistern water tank, a third delivery passage from this end of said control chamber, said passage being extended downwardly to said well, a control valve in each of said delivery passages, each of said valves being operably connected to said plunger, a passage extending from said intake valve chamber to said pump, a passage extending from said intake valve chamber downwardly to said well, a passage extending from said intake valve chamber to said cistern, a control valve in each of said well and cistern passages, each of said valves being operably connected to said plunger in said control chamber, a booster jet nozzle disposed to discharge upwardly into said well passage, said jet nozzle being connected to said passage that is downwardly extended from said control chamber to said well, a source of electric power comprising two terminal conductors, an automatic pressure controlled switch, said switch being hydrostatically connected to said well water tank, a second pressure controlled switch, said second switch being hydrostatically connected to said discharge passage from said pump to said control chamber, said switches being electrically connected in multiple between one terminal of said motor and one of said terminal conductors, the remaining terminal conductor being connected to the remaining terminal of said motor.

2,275,365
REFRIGERATOR
Rudolf Hintze, Berlin-Charlottenburg, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application July 21, 1939, Serial No. 285,645
In Germany July 25, 1938
13 Claims. (Cl. 62—89)

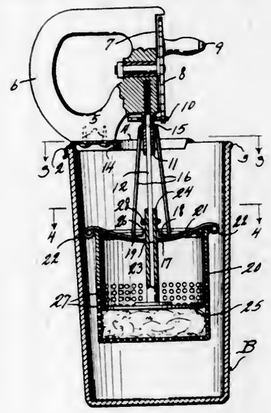


1. In a refrigerator, a cooling chamber of box-like conformation, a back plate, means rigidly securing said back plate to said chamber in spaced relation thereto, said plate and chamber constituting a frame on which all the parts are supported, means including legs formed integrally with the lower portion of said plate for supporting said frame, and heat insulating means surrounding said chamber and supported thereon outside said securing means.

2,275,366
WASHING APPARATUS
William T. Hunter, Ann Arbor, Mich.
Application August 9, 1941, Serial No. 406,189
4 Claims. (Cl. 68—21)

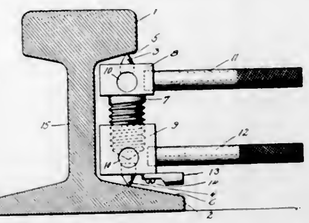
1. A washing apparatus comprising a base member, a rod extending from said member, a plate rotating around the rod, means for rotating the plate, a bowl for the materials to be washed having its wall perforated, means for detachably supporting the bowl from the plate

with the plate within the upper portion of the bowl, a pressing member within the bowl, and a



plunger carried by said pressing member and extending through the plate, said plunger and rod telescoping one within the other.

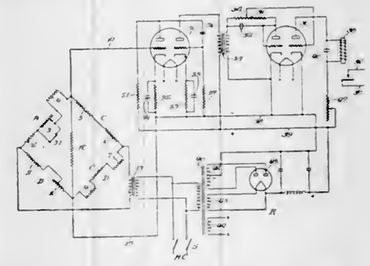
2,275,367
ELECTRIC RAIL CONNECTOR
Robert Sloan James, Pittsburgh, Pa.
Application December 5, 1940, Serial No. 368,585
2 Claims. (Cl. 173—273)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for making electrical contact with a steel rail having a rail head and rail flange utilized as a conductor in a transmission system, said device comprising a pair of electrically conductive members having cooperating male and female threaded portions and each having a sharpened portion of hard steel extending reversely outward from said members when journaled and with their apices substantially coaxial with said threaded portions, whereby said sharpened portions may be axially forced penetratingly into and withdrawn from the under and upper surfaces of a rail head and rail flange respectively by rotation of one of said members with respect to the other, and means for securing an end of an electrically conductive lead to one of said members.

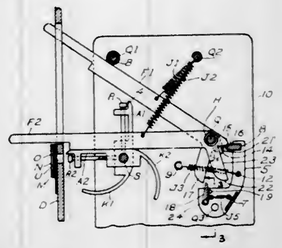
2,275,368
TEMPERATURE CONTROL SYSTEM
Albert W. Krause, Evanston, Ill.
Application August 27, 1937, Serial No. 161,203
7 Claims. (Cl. 236—78)

2. In a temperature control system, a Wheatstone bridge circuit, means for supplying alternating current to the bridge, circuit connections for taking off an alternating output from the bridge circuit depending in amount on the degree to which the bridge is unbalanced, means for adjusting one arm of the bridge so that a condition of unbalance always exists, a variable



resistance included in another arm and subject to temperature changes at the point where the temperature is to be controlled, and means for utilizing the variable bridge output caused by changes in said variable resistance to control the supply of heat at said point.

2,275,369
LOCKING MEANS FOR AUTOMATIC TUNERS
Le Roy J. Leishman, Los Angeles, Calif.
Application November 22, 1937, Serial No. 175,915
10 Claims. (Cl. 74—10)



1. In a device for angularly positioning a control of a radio instrument, a combination including: a rotatable element; a plurality of independently operable mechanisms comprising means by which said element may be rotated in either direction upon movement of a member of said mechanism in one direction; and a movable structure comprising a first means adapted to lock the moving parts of any of said mechanisms against further movement and a second means adapted to effect the release of said parts; each of said mechanisms having a first shoulder adapted to be engaged by said first means to effect the locking of the moving parts of said mechanism, and a second shoulder adapted to actuate said second means.

2,275,370
BOX TOE HEATER
Ross H. Lowe, Hanover, Pa., assignor to The Hanover Shoe, Inc., Hanover, Pa., a corporation of Pennsylvania
Application October 21, 1939, Serial No. 300,636
2 Claims. (Cl. 12—1)

1. A box toe heater including a steam or vapor tank, a pipe communicating with said tank and

having perforations on its upper surface, and an approximately vertical shield connected with the



pipe in position to confine the discharged steam or vapor to a predetermined area to be heated.

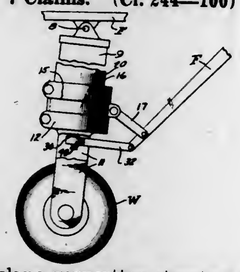
2,275,371

SHOCK ABSORBING STRUCTURE FOR AIRPLANE LANDING GEARS

Gervase M. Magrum, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application June 10, 1938, Serial No. 212,867

7 Claims. (Cl. 244—100)



1. An airplane supporting structure comprising a frame, a tubular strut supported on said frame for rotation on its longitudinal axis and terminating in a caster fork journalling a wheel, hydraulic shock absorbing structure above the fork and for which the end portion of said tubular strut provides a cylinder wall, cross walls in said cylinder wall defining therewith a cylindrical hydraulic working space, a piston shaft coaxial with said working space and journalled in said cross walls, a piston on said shaft within said working space, means connecting said shaft to said frame for holding said piston shaft against rotation whereby rotation of said strut with the caster fork will cause displacement of hydraulic fluid in said working space, and means resisting the flow of the displaced fluid whereby to dampen the caster fork movement to prevent shimmying thereof.

2,275,372

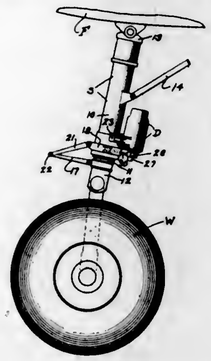
SHOCK ABSORBING STRUCTURE FOR AIRPLANE LANDING GEARS

Gervase M. Magrum, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application December 29, 1939, Serial No. 311,489

6 Claims. (Cl. 244—100)

1. An airplane supporting structure comprising a strut adapted to be secured to an airplane to depend therefrom, a caster yoke supported by said strut for caster movement thereon and adapted to journal a ground engaging wheel, a hydraulic shock absorber comprising a cylinder structure in the form of an inverted cup and a rotary piston structure therein, means mounting said cylinder element rigidly on said strut alongside thereof



and with its longitudinal axis paralleling the strut axis, a shaft for the piston element projecting below the lower end of said cylinder element, and a connection between said yoke and piston shaft for transmitting the castering movement of said yoke to the piston element whereby said shock absorber will function to dampen and control the castering movement of said wheel.

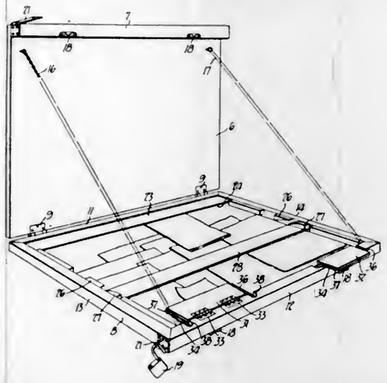
2,275,373

DOCUMENT CASE

Paul D. Barrett, San Francisco, Calif., assignor of one-half to Lois B. Crown, Washington, D. C.

Application January 31, 1940, Serial No. 316,567

1 Claim. (Cl. 312—112)



A document case comprising an upstanding baseboard, a ledge extending along the top thereof, a cover, side walls upstanding from the margins of said cover, hinges connecting one of said side walls and said baseboard, fasteners for holding another of said side walls adjacent said ledge, wedges on remaining ones of said side walls, a bar extending across said cover, and cams on said bar for engaging said wedges to force said bar against said cover when advanced.

2,275,374

PLAYING BALL

Frederick S. de Beer, Albany, N. Y.

Application March 5, 1940, Serial No. 322,283

3 Claims. (Cl. 273—60)



1. A base-ball or the like comprising a core and a cover enveloping said core, said core including an outer layer of thread, said cover consisting of an undercoating of opaque, pervious, cellular latex compound applied to the exterior of said core and a thin pre-formed outer skin consisting wholly of opaque pervious, cellular latex compound enveloping said undercoating and core, said undercoating and said outer skin being united by conjoint vulcanization, said cover being characterized in that it penetrates to a substantial extent the interstices of said layer of thread and further characterized in that the outer surface thereof is substantially devoid of noticeably visible irregularities corresponding to the surface irregularities of said core, said base-ball having no cover in addition to that above defined.

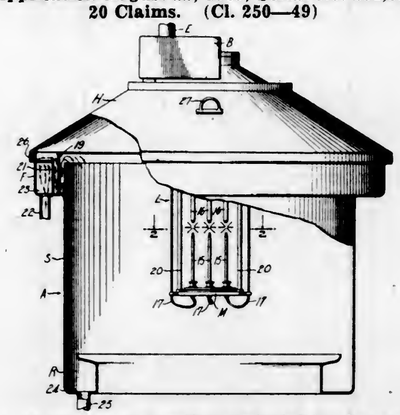
2,275,375

IRRADIATION METHOD AND APPARATUS

Merrill J. Dorcas, Berea, Ohio, assignor to National Carbon Company, Inc., a corporation of New York

Application August 22, 1939, Serial No. 291,314

20 Claims. (Cl. 250—49)



1. A process of treating material to change at least one of the properties thereof which comprises impinging against such material ultraviolet energy of the character emitted by a multi-electrode arc lamp energized by polyphase alternating current.

2,275,376

FLOOR TILE AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application January 11, 1937, Serial No. 120,142

6 Claims. (Cl. 106—219)

1. A composition flooring tile comprising as a binder, rosin glyceride and a reaction product of castor oil and a tung oil-maleic acid compound.

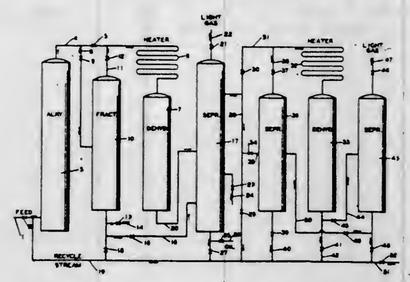
2,275,377

PROCESS OF MANUFACTURING MOTOR FUEL

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 2, 1940, Serial No. 327,529

14 Claims. (Cl. 196—10)



1. An improved process for the production of a motor fuel having a low volatility and a high octane number, which comprises reacting by alkylation paraffin hydrocarbons of from three to six carbon atoms per molecule with olefin hydrocarbons to form paraffin hydrocarbons of a higher number of carbon atoms per molecule than said initial paraffins and in the motor fuel boiling range, passing at least a part of the effluent of said first step comprising hydrocarbons in and below the motor fuel boiling range to the action of a dehydrogenation catalyst at a dehydrogenation temperature to improve the octane number of motor fuel hydrocarbons and concomitantly to produce olefins lower boiling than motor fuel, separating from the dehydrogenation effluent a fraction comprising hydrocarbons in the motor fuel range and removing said fraction from the process, separating also a fraction containing olefins lower boiling than motor fuel and passing said fraction to said alkylation step.

2,275,378

POLYALKYLENE ETHER DISULPHONYL HALIDES AND A PROCESS OF MAKING THEM

Treat Baldwin Johnson, Bethany, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 10, 1937, Serial No. 163,184

8 Claims. (Cl. 260—543)

8. A polyalkylene ether disulphonyl halide.

2,275,379

POLYALKYLENE ETHER SULPHONYL AMIDES

Treat B. Johnson, Bethany, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

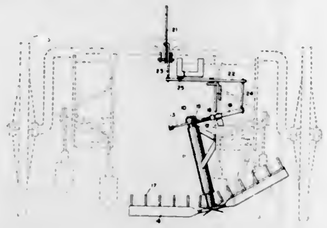
No Drawing. Original application September 10, 1937, Serial No. 163,184. Divided and this application June 18, 1941, Serial No. 398,578

7 Claims. (Cl. 260—556)

1. Polyalkylene ether disulphonyl amides.

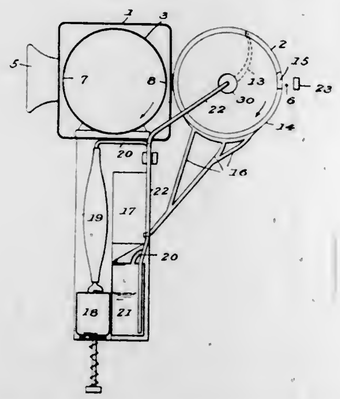
4. The process which comprises reacting thiourea with a chlorinated polyalkylene ether, and subjecting the pseudothiourea compound to the action of a halogen in the presence of water, then reacting the sulphonyl halide obtained with ammonia.

2,275,380
ROTARY WEEDER FOR SINGLE ROW CULTIVATORS
Bert Kidman, Huron, S. Dak., and William J. Davis, Mandan, N. Dak., dedicated to the free use of the People of the United States of America
Application August 19, 1940, Serial No. 353,234
9 Claims. (Cl. 97—179)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



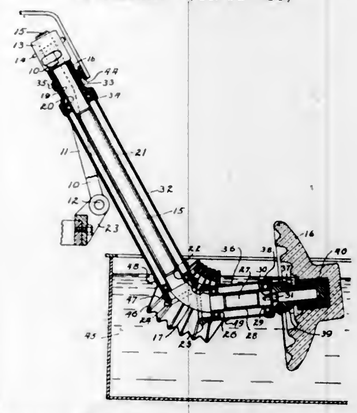
1. A device of the character described in combination with a vehicle adapted to be drawn through rows of growing plants, comprising a shaft rotatably mounted on said vehicle, weeding blades radially fixed to said shaft, said shaft and blades being so disposed with respect to each other and with respect to the ground that said blades in rotating assume a horizontal position on one side of the shaft whereby said blades may be revolved by the movement of the vehicle when the horizontal blade is grounded, a ratchet adjustably fixed to said shaft, a pawl engageable with said ratchet, and means for actuating said pawl.

2,275,381
METHOD AND APPARATUS FOR USE IN MEASURING SPEED
Alfred Maxton, Heinsberg, Rhine, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application August 7, 1939, Serial No. 288,816
In Germany August 18, 1938
10 Claims. (Cl. 88—14)



1. The method of determining the linear speed of a body continuously moving at a speed in excess of that required for persistence of vision which comprises, marking said body at known regularly recurring time intervals, viewing the markings only at regularly recurring time intervals, the ratio of the marking intervals to the viewing intervals being that between whole numbers, and measuring the distance between succeeding markings as they appear at said recurring viewings, which measurement will represent the distance of linear movement of the body during the known marking interval.

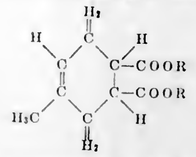
2,275,382
WORK SUPPORTING SPINDLE
William A. Smith, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 2, 1941, Serial No. 372,899
13 Claims. (Cl. 91—60)



1. A spindle for supporting a work piece in a treating bath, said spindle comprising an inner cantilever shaft having straight portions connected by a rigid elbow or bend, tubular housing members journaled on said straight portions respectively, a driving connection between said housing members at their adjacent ends and a flexible impervious hood connecting the adjacent ends of said housing members and enclosing said driving connection.

2,275,383
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 6, 1940, Serial No. 317,529
13 Claims. (Cl. 260—468)

8. An alkyl ester of 4-methyl-Δ4-tetrahydrophthalic acid corresponding to the formula:



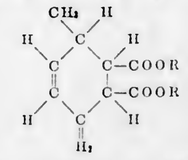
where one R represents an alkyl group, and the other R represents a substituent selected from the group consisting of hydrogen and an alkyl group.

2,275,384
BUTYL ESTERS OF 4-METHYL-Δ4-TETRAHYDROPHTHALIC ACID
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application December 21, 1938, Serial No. 246,997
14 Claims. (Cl. 106—181)

12. A composition comprising a cellulosic derivative and dibutyl ester of 4-methyl-Δ4-tetrahydrophthalic acid.

2,275,385
ALKYL ESTERS OF 3-METHYL-Δ4-TETRAHYDROPHTHALIC ACID
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application January 11, 1940, Serial No. 313,341
10 Claims. (Cl. 260—468)

5. An alkyl ester of 3-methyl-Δ4-tetrahydrophthalic acid corresponding to the formula:

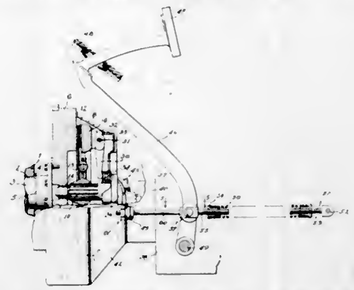


where one R represents an alkyl group, and the other R represents a substituent selected from the group consisting of hydrogen and an alkyl group.

2,275,386
AMYL ESTERS OF 3-METHYL-Δ4-TETRAHYDROPHTHALIC ACID
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 10, 1939, Serial No. 278,481
9 Claims. (Cl. 260—468)

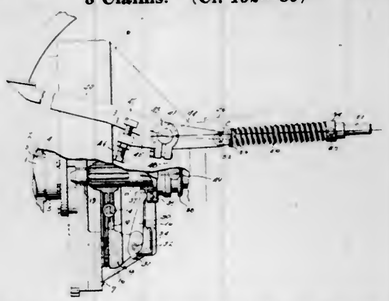
5. A process for the preparation of an organic ester comprising reacting 3-methyl-Δ4-tetrahydrophthalic acid with an amyl alcohol.

2,275,387
FRICTION CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application March 28, 1938, Serial No. 198,387
1 Claim. (Cl. 192—89)



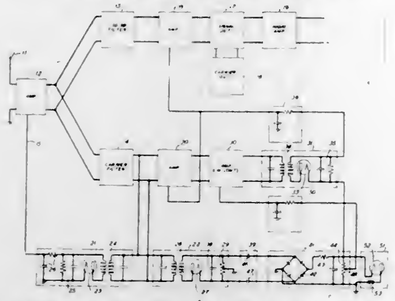
A clutch comprising driving members connected for rotation substantially in unison and one of which is axially shiftable for clutch engagement and disengagement, a driven member arranged to be packed with the driving members, a plurality of clutch levers, means pivotally mounting each lever to one driving member, each lever having a rocking surface to surface engagement with the other driving member, a thrust bearing having a face for engaging the levers, means serving normally to retract the shiftable driving member for clutch disengagement, clutch packing means located outside the clutch structure and acting on the levers through the thrust bearing to load the shiftable driving member for clutch engagement, the load of the packing means on the levers and the surface to surface engagement of the levers furnishing a dampening action for the shiftable driving member, and means operable for the service operation of the clutch to free the levers and thereby relieve the shiftable clutch driving member of the packing load for clutch disengagement, the retracting means serving to maintain the free levers in contact with the thrust bearing while the clutch is released to keep the said face which engages with the levers under pressure and to thus maintain the surface to surface engagement for the dampening action during clutch release.

2,275,388
CLUTCH AND CLUTCH CONTROL
Ernest E. Wemp, Detroit, Mich.
Application March 28, 1938, Serial No. 198,388
8 Claims. (Cl. 192—89)



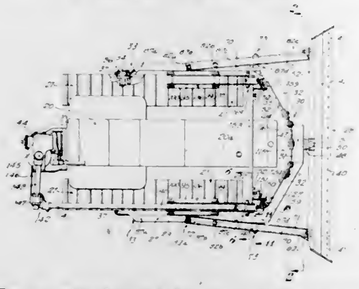
1. In a clutch, the combination of driving and driven members arranged to be packed together for clutch engagement and to be released from packed relationship for clutch disengagement, a single spring means for exerting force for packing the clutch members together, reaction means for the spring means, a movable member having an operable connection with the clutch for packing the members together, reaction means for the movable member, a connection on the movable member through which the single spring means exerts force on the movable member, said connection being relatively remote from a center line through the two reaction means when the clutch is engaged for providing relatively high mechanical advantage for the single spring means, a manually operable control member for shifting the said movable member to take the force of the single spring means and to relieve the clutch members of such force for clutch disengagement, said connection on the movable member shifting to a position relatively close to and on the same side of said center line when the manually operable control member is shifted substantially to the position of maximum movement to provide a relatively low mechanical advantage for the single spring means, whereby the force of the spring may be overcome, while the clutch is disengaged, with light physical effort.

2,275,389
RADIO RECEIVER
Carl B. H. Feldman, Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1940, Serial No. 359,671
14 Claims. (Cl. 250—20)



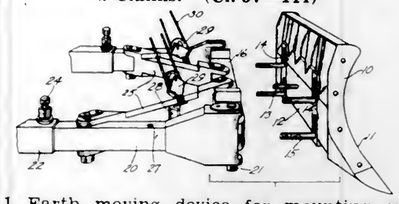
1. A receiver for modulated radio waves comprising filter means for separating the received carrier component from the received side-band components, means for amplifying the side-band components of the received waves, means for controlling the gain of the amplifying means in accordance with the amplitude of the received carrier component, and means for regulating the degree of such control in accordance with the rate of variation of the amplitude of the separated carrier component.

2,275,390
GROUND WORKING ATTACHMENT FOR TRACTORS
Frank P. Lawler, Huntington Park, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio
Application August 14, 1939, Serial No. 290,093
4 Claims. (Cl. 37—144)



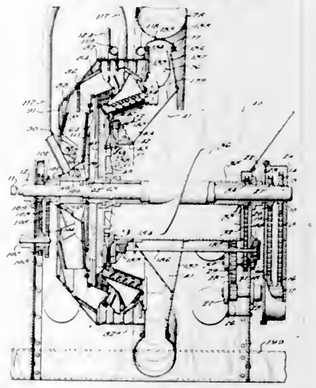
1. In an attachment for use with a tractor of the character described, the combination of: a thrust member comprising a pair of side arms to extend along the side of the tractor and a cross-member connected to the front portions of said side arms so as to extend across the front of the tractor, there being pivotal means for connecting said side arms to the tractor; a pusher blade connected to said cross-member so as to be swung from a lateral position to an angled position; an extension extending forwardly from one of said side arms to engage and rigidly hold said pusher blade; and means disposed at spaced points along said extension and said side arm to rigidly clamp said extension to said side arm in different positions of projection thereof relative to said side arm corresponding to the different positions of said pusher blade, whereby said pusher blade may be rigidly secured to said thrust member in all of its different positions.

2,275,391
TRAIL BUILDER
Frank P. Lawler, Chicago, Ill., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application November 28, 1940, Serial No. 367,521
2 Claims. (Cl. 37—144)



1. Earth moving device for mounting on a tractor, comprising a cross beam arranged transversely and in close juxtaposition to the front of the tractor, longitudinally disposed beams connected to opposite ends of the cross beam and extending rearwardly along adjacent sides of the tractor, a mounting for the rear end of each of said longitudinal beams with the tractor, a pin loosely connecting an intermediate portion of the mold board on said cross beam enabling rocking movements of the former about a horizontal axis and enabling removal of the mold board from said cross beam, elongate arcuate slots having an axis common to said pin and arranged in said mold board, bolts having one end disposed in said arcuate slots respectively and adapted to extend through openings formed in said cross beam, and nuts engaging the ends of said bolts for rigidly securing the mold board in predetermined position against said cross beam, whereby removal of said nuts makes possible bodily separation of the mold board from the cross beam.

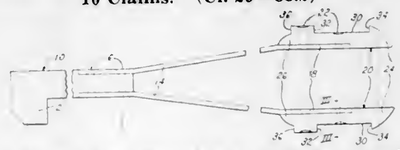
2,275,392
GRAIN THRESHING AND SEPARATING MACHINE
Edgar E. Metcalf, Moville, Iowa, assignor of one-half to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application October 30, 1939, Serial No. 301,962
24 Claims. (Cl. 130—27)



1. In a grain separating mechanism a pair of

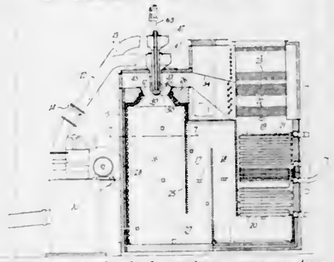
spaced coaxial centrifugal screens, one mounted within the other, means to supply threshed material to the inner surface of the inner screen at one end thereof, means to rotate said screens at different speeds to force material therethrough by centrifugal force, a helical feeding rib movable with the outer screen and positioned in proximity to the inner surface of the inner screen for feeding material from said one end of said inner screen to the other, and a helical feeding rib movable with the inner screen and lying in proximity to the inner surface of the outer screen for moving material along said surface toward one end of said outer screen.

2,275,393
TOOL
Herbert B. Myers and Arsbern Davis, Akron, Ohio assignors to Snap-Grip Products, Inc., Akron Ohio, a corporation
Application October 2, 1940, Serial No. 359,396
10 Claims. (Cl. 29—88.2)



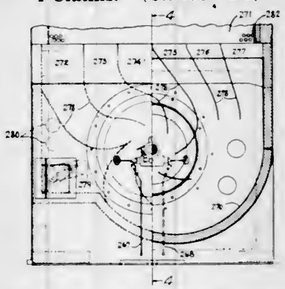
1. A tool for removing an annular member from a surrounding housing and comprising a drop-forged handle, an integral, laterally-offset shoulder adjacent one end of the handle, a pair of spring steel fingers secured in opposed relation on opposite sides of the other end of the handle and diverging outwardly at a relatively small angle to the axis of the handle, a pair of drop-forged, gripping members, one of which is secured to the outside of the end of each spring finger so that they are in substantially parallel relation to each other, each gripping member having a pair of longitudinally-spaced outwardly-directed shoulders, tapered ends and substantially a half-round shape in cross section, and with the flat side of each member lying against its associated spring finger, and rivets securing the spring fingers to the gripping members and to the handle, said spring fingers being received in complementary recesses in the handle and gripping members.

2,275,394
PULVERIZED FUEL BURNING APPARATUS
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application April 29, 1938, Serial No. 204,935
18 Claims. (Cl. 110—28)



15. Pulverized fuel burning apparatus comprising in combination means defining a furnace chamber having a circular burner port in its upper end, a pulverized fuel burner comprising a vertically arranged fuel nozzle having its discharge end extending into in spaced concentric relation with said burner port, an inlet chamber having a volute-curved peripheral wall and a single circular bottom fuel outlet therein connected to the upper end of said fuel nozzle, a pulverized fuel inlet tangentially connected to said inlet chamber with its axis at a non-intersecting angle relative to the axis of said bottom outlet, a wind box surrounding said fuel nozzle and opening to said burner port, an air inlet opening at only one side of said wind box, and a series of fixed vertical partitions positioned in said wind box around said fuel nozzle and relatively spaced circumferentially of and progressively curved outwardly from said burner port to effect a substantially uniform distribution of the entering air circumferentially of said burner port and a whirling air stream downwardly through said burner port.

2,275,395
FUEL BURNER
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Original application December 18, 1935, Serial No. 55,020. Divided and this application June 10, 1938, Serial No. 212,869
4 Claims. (Cl. 158—1.5)

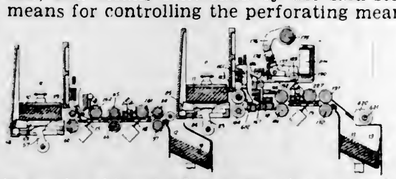


1. The combination with a furnace having a circular burner port in one of the walls thereof, a fluid fuel burner arranged axially of said burner port, means defining a wind box at the outer side of and surrounding said burner port, said wind box having an air inlet at only one side thereof and arranged to effect an air flow through said wind box in a plane at a substantial angle to the axis of said burner port, and means for distributing the air entering said air inlet substantially uniformly throughout the circumference of said burner port comprising a series of vanes in said wind box subdividing said air inlet and extending in spaced relation to corresponding circumferential portions of said burner port, the burner port ends of said vanes being substantially equally spaced circumferentially.

2,275,396
RECORD CONTROLLED PERFORATING MACHINE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 19, 1941, Serial No. 384,155
17 Claims. (Cl. 164—115)

1. A cyclically operable perforating machine comprising, means for sensing successively the index point positions of an imperforate record bearing data designations, during each cycle of the machine, perforating means, means, operating in synchronism with the sensing means, and controlled thereby, for storing, during each cycle, the data represented by the sensed desig-

nations, and means controlled by the said storing means for controlling the perforating means,



during each said cycle, for perforating the sensed record at the index point positions corresponding to those of the sensed data designations.

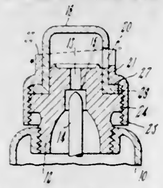
2,275,397

ADJUSTING MEANS FOR AIR VALVES

Edwin A. Davies, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois

Original application March 18, 1936, Serial No. 69,524. Divided and this application September 14, 1939, Serial No. 294,903

3 Claims. (Cl. 251—9)



3. A relief valve comprising a casing having a projecting part of circular cross section, through which a passage opens, a shell surrounding, and having a rotative bearing on, said projecting part enclosing the space adjacent to the external orifice of said passage, and having an elongated port in its side, and a shutter surrounding said shell formed with a port-occluding portion having a helical edge located and arranged to cover more or less of the area of said port in consequence of rotation of the shell; the shutter being in adjustable shell-clamping engagement with the casing and shell, whereby to secure the shell immovably with respect to the casing and to release the shell for permitting rotary adjustment thereof.

2,275,398

STAMPING EQUIPMENT FOR MOLDING COAL

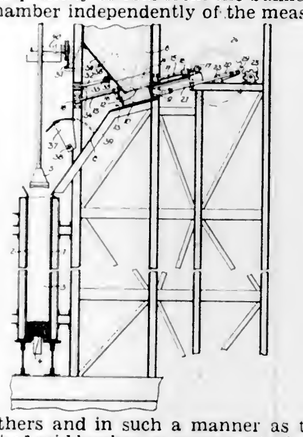
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application November 19, 1938, Serial No. 241,388

In Germany November 20, 1937

2 Claims. (Cl. 25—41)

1. Stamping equipment for preparing compact molded coal cakes in the shape of the coking chambers or retorts in which the coal is to be carbonized for the production of gas and coke, comprising an elongated molding chamber for receiving the coking coal to be stamped, a coal bunker arranged above said chamber and provided with an outlet extending over the length of said chamber, stamping means for stamping in the chamber coal fed thereto from said bunker outlet, and volumetric measuring feeding means for moving the coal leaving the outlet of said coal bunker in a direction towards said chamber, said volumetric measuring feed means comprising a series of individually adjustable measuring feed elements arranged along the bunker outlet over the whole length of the molding chamber and each adapted for advancing an adjustably measured quantity of coal from the bunker outlet to the chamber independently of the measure fed



by the others and in such a manner as to close the outlet of said bunker on movement of a measure of coal towards the chamber.

2,275,399

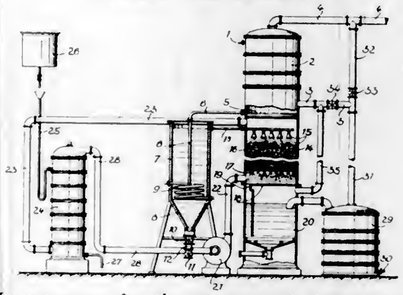
PROCESS FOR THE REMOVAL OF PHENOL FROM GAS AND WEAK AMMONIA LIQUORS

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application July 24, 1939, Serial No. 286,241

In Germany July 25, 1938

1 Claim. (Cl. 260—627)



In a process for the recovery of phenols from gas and weak ammonia liquors containing acid-gas constituents, which comprises the steps of freeing the liquor from the acid-gas constituents and from free-ammonia by a step of heating involving heating the liquor to about 100° C.; and the step of thereafter recovering phenol from the acid-gas and free-ammonia free liquor by the circulation of gaseous phenol-carrier media through the liquor in a separate phenol stripping stage to take up the phenol and thence through a phenol absorption stage to remove the phenol from its carrier by means of an alkaline phenol-absorption solution: the improvement comprising a reaction phase step in which the liquor is subjected, after it is freed from the acid-gas constituents and free-ammonia, but before it reaches the phenol stripping stage of the phenol recovery step to a quiescent reaction-phase settling action, while being heated, for a period of time to permit gums being formed by polymerization of phenols to complete their polymerization reaction and settle out of the liquor before the liquor passes on to the phenol stripping stage of the step for recovery of phenols from the liquor.

2,275,400

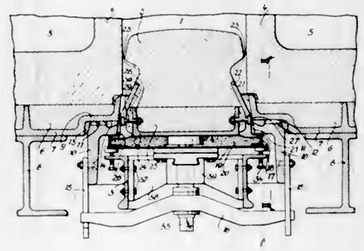
COKE OVEN DOOR

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application December 27, 1939, Serial No. 311,134

In Germany December 27, 1938

2 Claims. (Cl. 202—248)



1. A coke oven closure comprising a door constituted of an inner plug section comprising a refractory liner with continuous metallic liner-retainers at its sides and a front metallic closing panel connected thereto, an outer frame section, and an intermediate flexible automatically acting sealing means; a metallic oven-reinforcement covering the outer oven brickwork at the sides of the doorway; a door frame fixed to said reinforcement and surrounding said door with a clearance and having a sealing surface on its outer surface for sealing contact with the sealing means on the door; said door frame having projecting ribs arranged in spaced relation around the doorway between its inner surface and the metallic reinforcement so that the only metal to metal contact between the door frame and reinforcement is with the spaced ribs, and a continuous packing on opposite sides of the ribs leaving a row of dead air pockets around the doorway intermediate the door frame and the reinforcement to keep the door frame below tar film decomposition temperature; said plug section providing between the sides of the same and the chamber walls large inner vertical gas channels for vertical flow of hot gas to prevent condensation on the inner portions of the plug section and very small outer channels between the large inner channels and the sealing surfaces for penetration and stagnation of small quantities of cooler gas from the chamber to form a tar film on the sealing surfaces, and said plug section having heat insulating material between the refractory liner and the front metallic closing panel and so disposed intermediate the refractory liner and the very small channels and the door frame and sealing surfaces as to prevent flow of heat from the refractory liner to the very small channels, the door frame, and sealing surface, and thus aid the inner portion of the plug section in staying hot enough to prevent condensation on the inner portion of the plug section.

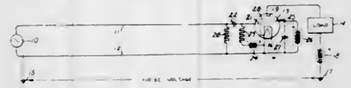
2,275,401

AMPLIFIER

Donald E. Norgaard, Cohoes, N. Y., assignor to General Electric Company, a corporation of New York

Application May 18, 1940, Serial No. 335,947

5 Claims. (Cl. 178—7.1)



1. In combination, an electron discharge device having an anode, a cathode, and a control electrode, a circuit therefor requiring spaced ground points between which undesired voltage may exist, means for connecting said control electrode to ground only at one of said points, said means including a signal source, means connecting said cathode to ground only at said one point, means connecting said anode to ground only at another of said points, said cathode connecting means having substantial impedance at the frequency of signals from said source whereby said undesired voltage may appear between said cathode and said one ground point, the impedance between said anode and cathode having a high value such that the current therein and the voltage on said control electrode is substantially unaffected by said undesired voltage, by reason of the fact that said undesired voltage between said ground points can appear only between said anode and cathode, and an output device responsive to said current.

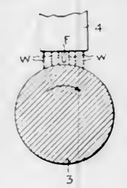
2,275,402

FLAME HARDENING OF SHAFTS

John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application May 22, 1936, Serial No. 81,239

8 Claims. (Cl. 148—21)

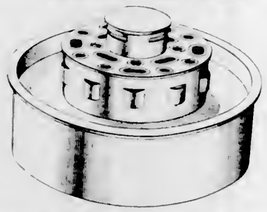


1. The method of hardening shafts and other round stock involving the application of flame heat to the surface of the round stock followed by quenching, characterized in that a plurality of flame jets, at least some of which are spaced longitudinally along the shaft, are applied to the surface of the shaft over an angular extent of the surface which is correlated with the longitudinal extent of the flame system so as to obtain the desired penetration of the heat prior to hardening, continuous relative rotary and longitudinal motions are produced between the flame system and the surface of the round stock, and the quenching is simultaneous with the heating and follows close behind the region of heating in the direction of longitudinal motion.

DESIGNS

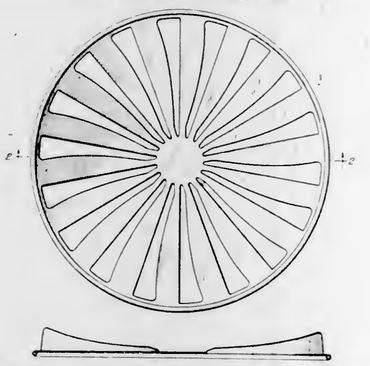
FEBRUARY 24, 1942

131,453
DESIGN FOR A REVOLVING COUNTER
John V. Avila, San Jose, Calif.
Application August 13, 1941, Serial No. 102,824
Term of patent 7 years



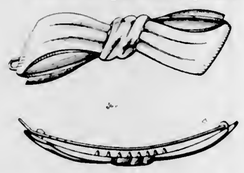
The ornamental design for a revolving counter, as shown.

131,454
DESIGN FOR A CAKE SLICING GUIDE OR SIMILAR ARTICLE
Allen J. Eggleston, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1941, Serial No. 104,440
Term of patent 7 years



The ornamental design for a cake slicing guide or similar article, as shown.

131,455
DESIGN FOR A HAIR CLASP
Stephen F. Kayn, New York, N. Y., assignor to Ross McFadden, Hollywood, Calif.
Application July 23, 1941, Serial No. 102,389
Term of patent 7 years



The ornamental design for a hair clasp, as shown and described.

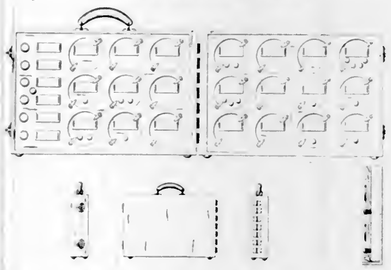
131,456
DESIGN FOR A BRACELET
Florence Nathan, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill., a corporation of Illinois
Application January 10, 1942, Serial No. 105,106
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

131,457
DESIGN FOR A SAMPLE CASE FOR PISTON RINGS OR THE LIKE
Robert E. Rippley, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,468
Term of patent 7 years



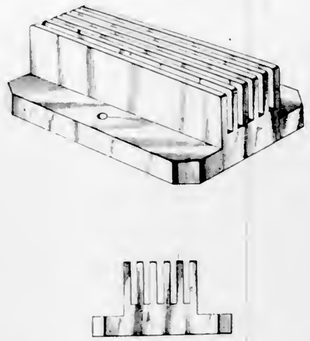
The ornamental design for a sample case for piston rings or the like, as shown.

131,458
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Spaney, New York, N. Y.
Application January 3, 1942, Serial No. 105,003
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,459
DESIGN FOR A RACK FOR COMBS
Franklyn A. Wornhoff, Forest Park, Ill.
Application December 15, 1941, Serial No. 104,645
Term of patent 14 years



The ornamental design for a rack for combs, as shown.

131,460
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,949
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described.

131,461
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,954
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described.

131,462
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,955
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described.

131,463
DESIGN FOR A COMBINED DISPLAY AND STORAGE CABINET FOR KNITTING PINS OR THE LIKE
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application March 17, 1941, Serial No. 99,647
Term of patent 14 years



The ornamental design for a combined display and storage cabinet for knitting pins or the like, as shown.

131,464
DESIGN FOR A GLASS SHERBET OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application December 27, 1941, Serial No. 104,877
Term of patent 7 years



The ornamental design for a glass sherbet or article of similar nature, substantially as shown.

131,465
DESIGN FOR A GLASS SERVING DISH OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Company, Inc., New York, N. Y., a corporation of New York
Application January 3, 1942, Serial No. 105,008
Term of patent 7 years



The ornamental design for a glass serving dish or article of similar nature, substantially as shown.

131,466
DESIGN FOR A BADGE OR THE LIKE
James F. Feeney, White Plains, N. Y.
Application December 31, 1941, Serial No. 104,945
Term of patent 3½ years



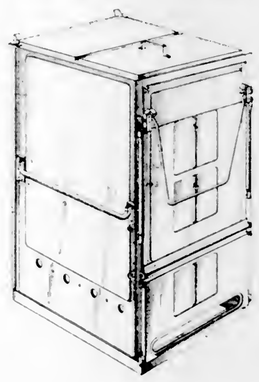
The ornamental design for a badge or the like, as shown.

131,467
DESIGN FOR A BADGE OR SIMILAR ARTICLE
George R. Hilty, Miami, Fla.
Application December 16, 1941, Serial No. 104,664
Term of patent 3½ years

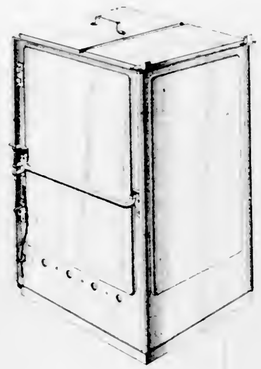


The ornamental design for a badge or similar article, substantially as shown.

131,468
DESIGN FOR A PORTABLE RANGE
Styles T. Howard, Jeffersonville, Ind.
Application April 24, 1941, Serial No. 100,611
Term of patent 3½ years



131,468—Continued



The ornamental design for a portable range, substantially as shown.

131,469
DESIGN FOR A TAPESTRY COVERED PICTURE FRAME
Ida Jolles, New York, N. Y.
Application December 31, 1941, Serial No. 104,930
Term of patent 3½ years



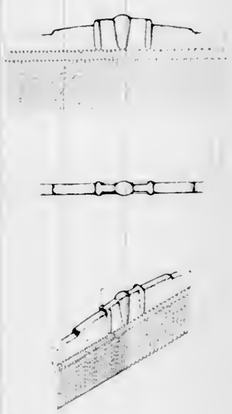
The ornamental design for a tapestry covered picture frame, substantially as shown, and described.

131,470
DESIGN FOR A BOTTLE
Abraham Lincoln Key, Staten Island, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application December 29, 1941, Serial No. 104,901
Term of patent 14 years



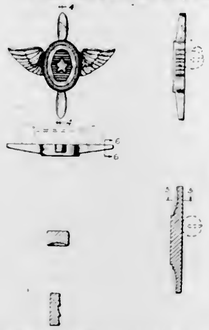
The ornamental design for a bottle, as shown

131,471
DESIGN FOR A COMB OR SIMILAR ARTICLE
Alfred L. Le Febvre, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application July 11, 1941, Serial No. 102,039
Term of patent 14 years



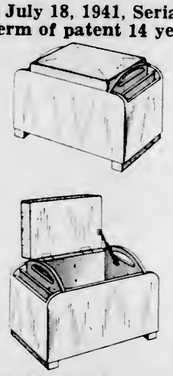
The ornamental design for a comb or similar article, as shown and described.

131,472
DESIGN FOR A BADGE OR SIMILAR ARTICLE
John D. Rock, Huntington Park, Calif.
Application November 6, 1941, Serial No. 104,050
Term of patent 7 years



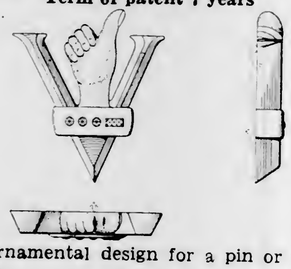
The ornamental design for a badge or similar article, substantially as shown and described.

131,473
DESIGN FOR A COMBINATION STORAGE CABINET, MAGAZINE RACK, AND SEAT
Clement C. J. Thelander, Chicago, Ill., assignor of one-half to Andrew F. Wintercorn, Rockford, Ill.
Application July 18, 1941, Serial No. 102,217
Term of patent 14 years



The ornamental design for a combination storage cabinet, magazine rack, and seat, substantially as shown.

131,474
DESIGN FOR A PIN OR THE LIKE
Scott Turnbull, Keuka, N. Y.
Application December 18, 1941, Serial No. 104,710
Term of patent 7 years



The ornamental design for a pin or the like, as shown.

131,475
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Alfred Carl Welchlin and Jennings Bryan Newcom, Fairmont, Minn.
Application December 16, 1941, Serial No. 104,663
Term of patent 3½ years



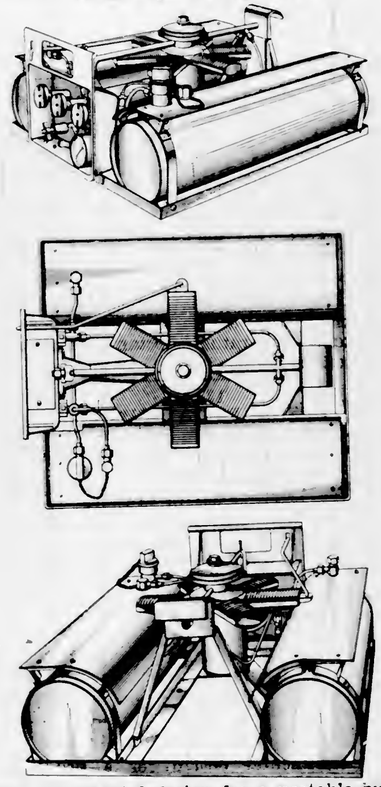
The ornamental design for a button or similar article, as shown.

131,476
DESIGN FOR A FISH LURE
Levin B. Cook, Shreveport, La., assignor of one-half to Haskell R. Miller, Shreveport, La.
Application June 4, 1941, Serial No. 101,302
Term of patent 3½ years



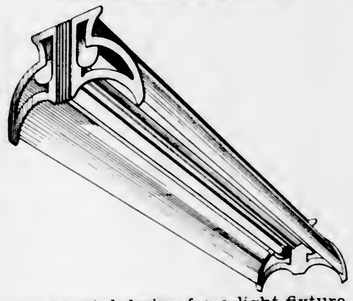
The ornamental design for a fish lure, as shown.

131,477
DESIGN FOR A PORTABLE BURNER UNIT
Styles T. Howard, Jeffersonville, Ind.
Application April 24, 1941, Serial No. 100,606
Term of patent 3½ years



The ornamental design for a portable burner unit, substantially as shown.

131,478
DESIGN FOR A LIGHT FIXTURE
Ervin C. Koegel, St. Louis, Mo., assignor to Edwin F. Guth Company, St. Louis, Mo., a corporation of Missouri
Application December 11, 1941, Serial No. 104,567
Term of patent 3½ years



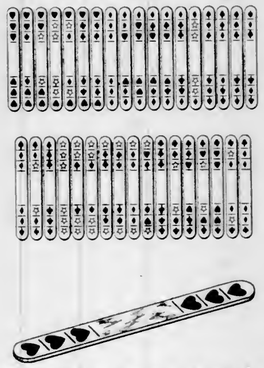
The ornamental design for a light fixture, substantially as shown.

131,479
DESIGN FOR A PIN OR SIMILAR ARTICLE
Florence Nathan, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill., a corporation of Illinois
Application January 10, 1942, Serial No. 105,107
Term of patent 3½ years



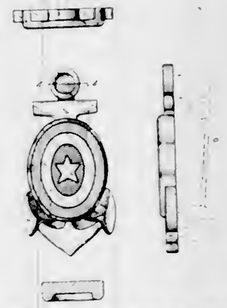
The ornamental design for a pin or similar article, substantially as shown.

131,480
DESIGN FOR A SET OF GAME PIECES
Joseph W. Patterson, Tulsa, Okla.
Application December 5, 1941, Serial No. 104,499
Term of patent 14 years



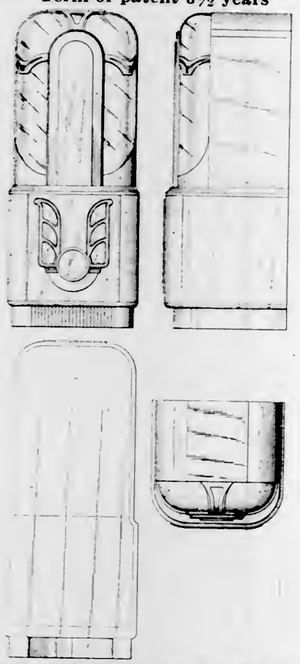
The ornamental design for a set of game pieces, as shown and described.

131,481
DESIGN FOR A BADGE OR SIMILAR ARTICLE
John D. Rock, Huntington Park, Calif.
Application November 29, 1941, Serial No. 104,405
Term of patent 7 years



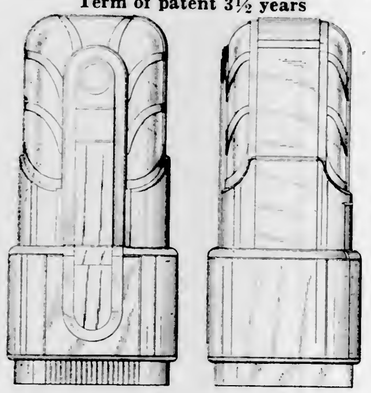
The ornamental design for a badge or similar article, substantially as shown and described.

131,482
DESIGN FOR A CASING FOR SOUND REPRODUCING APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application November 24, 1941, Serial No. 104,272
Term of patent 3½ years

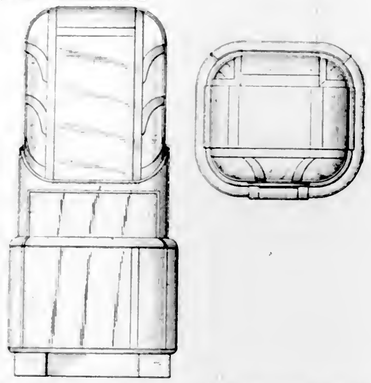


The ornamental design for a casing for sound reproducing apparatus, substantially as shown and described.

131,483
DESIGN FOR A CASING FOR SOUND REPRODUCING APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application November 24, 1941, Serial No. 104,273
Term of patent 3½ years

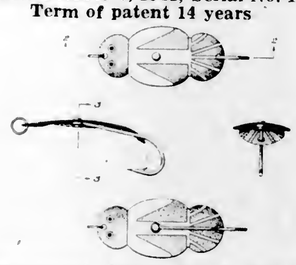


131,483—Continued



The ornamental design for a casing for sound reproducing apparatus, substantially as shown and described.

131,484
DESIGN FOR A FISH LURE
Orley C. Tuttle, Old Forge, N. Y., assignor to Edith T. Morcy, Old Forge, N. Y., doing business as O. C. Tuttle Devil Bug Co.
Application October 7, 1941, Serial No. 103,673
Term of patent 14 years



The ornamental design for a fish lure, as shown.

131,485
DESIGN FOR A POPCORN DISPENSING CABINET OR SIMILAR ARTICLE
Harvey C. Wheeler, Miami Beach, Fla.
Application June 11, 1941, Serial No. 101,400
Term of patent 7 years



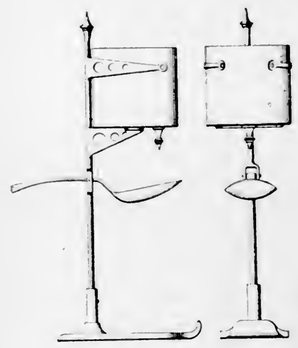
The ornamental design for a popcorn dispensing cabinet or similar article, substantially as shown.

131,486
DESIGN FOR A SPECTACLE FRAME
Arthur Blum, Brooklyn, N. Y.
Application December 31, 1941, Serial No. 104,943
Term of patent 7 years



The ornamental design for a spectacle frame, as shown.

131,487
DESIGN FOR AN ADVERTISING DEVICE
Wilbur B. Cope, Washington, D. C.
Application July 10, 1941, Serial No. 102,014
Term of patent 3½ years



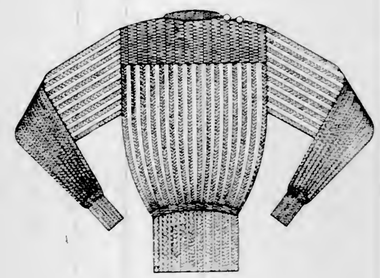
The ornamental design for an advertising device, substantially as shown.

131,488
DESIGN FOR A BOOK END
Peter Dionne, Detroit, Mich.
Application January 9, 1942, Serial No. 105,084
Term of patent 14 years



The ornamental design for a book end, as shown.

131,489
DESIGN FOR A SWEATER
Abraham Gepner, Birmingham, Ala.
Application October 30, 1940, Serial No. 96,179
Term of patent 3½ years



The ornamental design for a sweater, as shown and described.

131,490
DESIGN FOR EMBOSSED PAPER OR THE LIKE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 14, 1941, Serial No. 102,124
Term of patent 14 years



The ornamental design for embossed paper or the like, substantially as shown.

131,491
DESIGN FOR A RUBBER HEEL
Charles Jenco, Paterson, N. J., assignor to Jenco Brothers, Inc., Paterson, N. J.
Application July 8, 1941, Serial No. 101,961
Term of patent 14 years



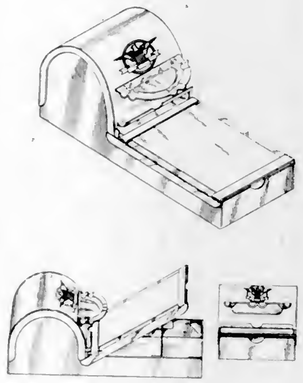
The ornamental design for a rubber heel, substantially as shown.

131,492
DESIGN FOR A DIAL MONEY CLIP OR SIMILAR ARTICLE
Hilda D. Lee, New York, N. Y.
Application January 10, 1942, Serial No. 105,103
Term of patent 7 years



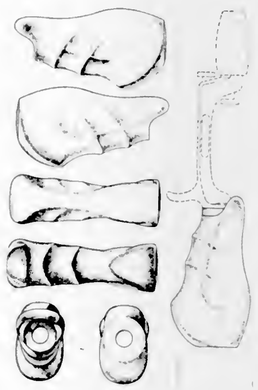
The ornamental design for a dial money clip or similar article, substantially as shown.

131,493
DESIGN FOR A COMBINED MEMORANDUM PAD HOLDER, ASH TRAY, AND SUPPLY RECEPTACLE
Doak Norwood, Chicago, Ill.
Application August 5, 1941, Serial No. 102,695
Term of patent 14 years



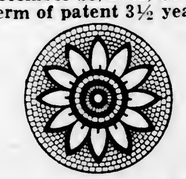
The ornamental design for a combined memorandum pad holder, ash tray, and supply receptacle, substantially as shown.

131,494
DESIGN FOR A FISHING ROD HANDLE OR ANALOGOUS ARTICLE
William G. Pontis, Dayton, Ohio
Application July 20, 1940, Serial No. 93,799
Term of patent 14 years



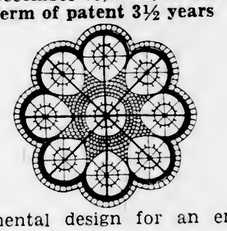
The ornamental design for a fishing rod handle or analogous article, as shown and described.

131,495
DESIGN FOR AN EMBROIDERED LACE MEDALLION
Henry Schwarber, Weehawken, N. J.
Application December 23, 1941, Serial No. 104,812
Term of patent 3½ years



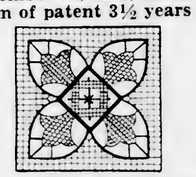
The ornamental design for an embroidered lace medallion, as shown.

131,496
DESIGN FOR AN EMBROIDERED LACE MEDALLION
Henry Schwarber, Weehawken, N. J.
Application December 23, 1941, Serial No. 104,813
Term of patent 3½ years



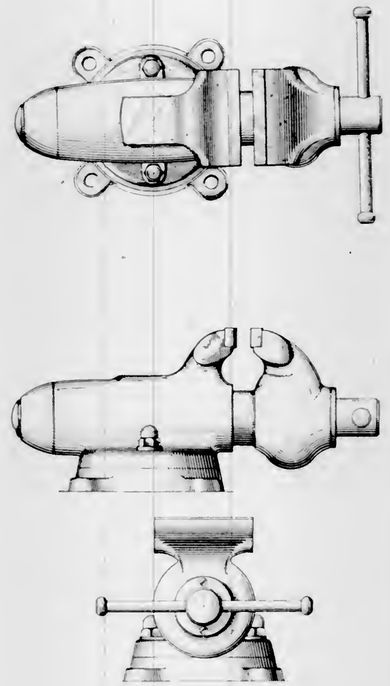
The ornamental design for an embroidered lace medallion, as shown.

131,497
DESIGN FOR AN EMBROIDERED LACE MEDALLION
Henry Schwarber, Weehawken, N. J.
Application December 23, 1941, Serial No. 104,814
Term of patent 3½ years



The ornamental design for an embroidered lace medallion, as shown.

131,498
DESIGN FOR A VISE
Hugh W. Vogl, Wilmette, Ill.
Application August 1, 1941, Serial No. 102,618
Term of patent 14 years



The ornamental design for a vise, substantially as shown.

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Trade-Marks	165	No. 393,851 to No. 394,015, inclusive.
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Reissues	4	No. 22,046 to No. 22,049, inclusive.
Patents	863	No. 2,275,403 to No. 2,276,265, inclusive.
Designs	116	No. 131,499 to No. 131,614, inclusive.
Total	1,214	

Adjudicated Patents

(D. C. R. I.) Mabey patent, No. 1,677,789, for battery-box clamp, claim 3 *Held* invalid. *O'Brien* v. *Howard & Lewis Motor Sales*, 42 F. Supp. 329.

(D. C. N. Y.) Oldfield patent, No. 1,779,102, for bath trap, *Held* not infringed. *Oldfield* v. *Nunn Brass Works*, 42 F. Supp. 262.

(D. C. Ill.) Working patent, No. 1,781,672, for chocolate material and method of making same, claims 6 and 12 *Held* infringed, if valid, claims 4, 9, 10, 11, and 13 *Held* not infringed, and claims 4, 6, and 9 to 13, inclusive, *Held* invalid. *American Lecithin Co.* v. *Warfield Co.*, 42 F. Supp. 270.

(C. C. A. Ohio.) Bullock patent, No. 1,984,916, for velocipede frame construction, claims 8, 12, 14, 17, 18, and 24 *Held* invalid. *Murray-Ohio Mfg. Co.* v. *E. C. Brown Co.*, 124 F.(2d) 426.

(Ct. Cl.) Schuler patent, No. 2,008,931, for antenna, claim 4 *Held* invalid and claims 5 and 7 *Held* not infringed, but if so interpreted as to disregard the specific limitation that the ground screen or metallic plate member be located on the ends of the insulators. *Held* invalid. *International-Stacey Corporation* v. *U. S.*, 42 F. Supp. 384.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,123,474, F. R. Redman, Multi-ply fabric, decided January 30, 1942, claims 5 and 7.

Pat. 2,163,651, J. H. Werntz, Manufacture of normal secondary pentadecyl sulphates, decided December 12, 1941, claims 1, 2, 3, 4, 5, 6, 7, 10, 11, and 12.

Pat. 2,198,986, W. H. Bailey, Means for forming tie plates, decided January 29, 1942, claims 1, 3, 4, and 5.

Pat. 2,214,064, J. A. Niles, Oil production, decided February 6, 1942, claims 1, 2, 3, and 4.

Pat. 2,215,057, B. E. Shaw, Refrigerant system controller, decided January 21, 1942, claim 10.

Pat. 2,217,021, Joseph Klepac, Piano string plate construction, decided January 26, 1942, claims 11, 12, and 13.

Pat. 2,220,855, H. R. Slagh, Unsaturated esters of fumaric acid, decided December 17, 1941, claim 2.

Pat. 2,231,688, B. E. Shaw, Control for refrigerant compressors, decided January 21, 1942, claims 6 and 7.

Notice

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

NOTICE

Board of Appeals—Decisions—Time for Response

U. S. Patent Office, *Washington, January 28, 1935.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and, in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business February 21, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,903; Trade-Mark Division, 1,076. Oldest new case, April 29, 1941; oldest amended, April 25, 1941.)
(The dates given are 1941 except where † indicates 1942)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 18	June 20	771
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 13	Aug. 30	679
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 1	Nov. 10	566
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 3	Oct. 20	514
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 16	465
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 16	July 25	990
5725	7. JARBOE, C. G., Optics; Photography	Aug. 6	Aug. 4	1,033
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	Aug. 12	883
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 18	610
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	June 21	June 24	872
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 7	Oct. 9	399
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Sept. 11	Sept. 2	595
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 20	June 11	637
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 10	Oct. 14	568
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 18	July 9	1,156
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 30	Oct. 7	479
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 28	June 27	914
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Sept. 8	557
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 21	July 28	678
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 8	Aug. 11	430
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 1	Sept. 5	391
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 3	May 5	1,664
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	259
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 21	Sept. 13	834
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 17	Sept. 3	614
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 13	Sept. 13	433
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	July 28	554
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons.	Aug. 25	July 31	393
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 24	July 28	711
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 7	Nov. 5	404
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 26	Aug. 25	1,536
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 13	June 27	960
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	July 2	July 3	902
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	July 23	Sept. 9	409
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 12	July 3	946
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 11	Aug. 13	644
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Oct. 4	636
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 27	June 28	715
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 18	Oct. 10	539
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 15	July 18	1,608
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 26	Aug. 28	555
5882	42. CUTTING, H. O., Electric Signaling	Oct. 1	Sept. 26	399
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 23	Aug. 9	752
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 20	Aug. 29	373
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 21	Dec. 6	348
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 6	Aug. 6	792
6082	47. KANOF, W. J., Clutches; Brakes	Sept. 4	Sept. 11	415
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 1	Aug. 1	747
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 4	July 14	688
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 30	July 31	1,451
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 22	Nov. 22	296
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 25	Sept. 11	443
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 26	Apr. 28	591
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 16	Oct. 18	355
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 23	Sept. 22	310
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 1	June 26	1,411
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 27	Oct. 6	336
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 17	Nov. 5	424
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 16	June 27	1,175
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 22	Sept. 6	350
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 21	July 24	696
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 21	Aug. 25	718
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 5	July 3	1,385
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 15	Aug. 11	1,578
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 18	Sept. 19	375
2099 B	Trade-Marks: F. A. RICHMOND	†Jan. 14	†Jan. 31	1,076
2905	Designs: H. H. KALUPY	Dec. 17	†Jan. 14	992

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE DAVIS ET AL.

No. 4,515. Decided December 1, 1941

[123 F.(2d) 651]

1. APPEAL—REASONS OF APPEAL.

An alleged error by the Primary Examiner and Board of Appeals that is not mentioned in the reasons of appeal will not be considered.

2. APPEAL—AFFIDAVIT.

Held that under rule 138 the Board of Appeals may ignore an affidavit filed after appellant has filed notice of appeal to Board.

3. PATENTABILITY—DOUBLE PATENTING.

Where a process claim of an application of D & S recites a specific order of mixing of reactants and catalyst, but contains no limitation as to the duration of the process, and the process claims of a patent to D & S contain a specific limitation as to the duration of the process, but no limitation as to the order of mixing of reactants and catalyst, and where the process claimed in said patent may be performed in accordance with the teachings of an earlier patent to D and without employing the process claimed in the application and likewise disclosed in the illustrative example of the patent to D & S *Held* that the claim of the application is not drawn to subject matter indivisible from that claimed in the patent to D & S.

4. APPEAL—JURISDICTION.

Where the process claim of the application of D & S was not held unpatentable below on the ground that the order of mixing of reactants and catalyst therein specified is not, of itself, inventive *Held* that this question may not be considered on appeal.

APPEAL from Patent Office. Reversed.

Mr. W. E. Currie, Mr. P. L. Young, and *Mr. W. F. Weigester* (*Mr. J. K. Small* of counsel) for Davis et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claim 3 of appellants' application for a patent upon the ground that it is drawn to subject matter not divisible from that claimed in appellants' Patent No. 2,087,682, issued July 20, 1937. Appellants' instant application was filed on May 26, 1936.

Claim 3 reads as follows:

3. The method of making a pour test depressor which will be effective in heavy oils, which method comprises heating a mixture of a chlorinated wax with naphthalene to reaction temperature, adding aluminum chloride to the heated mixture, agitating the mixture during the addition of the aluminum chloride and separating the resultant pour point depressor from sludge and impurities.

It appears that this claim was copied for interference purposes from a patent to one MacLaren, No. 1,963,917, issued June 19, 1934. This patent was not returned by the Patent Office as a part of the record herein.

Appellants' application relates to an improvement in the process of making pour test depressors for use in lubricating oils. The application states:

The present invention relates to the art of producing oils of low cold test from oils containing waxy hydrocarbons, and more specifically, to an improved method for preparing a pour inhibiting substance which may be added to the wax-containing oils. The invention will be fully understood from the following description:

In a prior patent, U. S. 1,815,022, issued July 14, 1931, a process for producing low cold test oils from wax-containing hydrocarbons is disclosed. In this patent the particular method disclosed comprises the addition to the oil of a small amount of a class of substances comprising low temperature aluminum chloride condensation products of paraffin wax and aromatic hydrocarbons such as naphthalene.

According to the present invention, a pour inhibitor is produced by mixing a chlorinated waxy hydrocarbon, such as chlorinated wax, with an aromatic compound, particularly a polycyclic aromatic hydrocarbon such as naphthalene, bringing the mixture to a temperature suitable for the condensation of these two constituents and adding to the mixture, at spaced intervals, portions of a condensing agent, such as aluminum chloride, while constantly agitating the reaction mixture and maintaining the reaction temperature substantially constant by cooling if necessary. • • •

• • • • • •

According to a specific modification of the present invention, which is fully described in our co-pending application, Ser. No. 576,208, filed Nov. 19, 1931, of which the present application is a continuation in part, the process is simplified and the product is improved by maintaining the reaction temperature at all times below about 125° F., preferably below 100° F., a diluent being preferably employed, and by discontinuing the reaction before it reaches its final stage. This specific embodiment is based upon the discovery that the pour inhibiting properties of the product reach an optimum value at a stage of the reaction prior to the completion thereof. While the pour inhibiting potency of the condensation product is not destroyed by permitting the reaction to go to completion, the further chemical change which occurs between the point of optimum pour inhibiting value and completion of the reaction does, in many instances, decrease the pour inhibiting value of the product and detracts from the appearance of the final product.

The copending application, Ser. No. 576,208, is the application upon which appellants' said patent was issued. This patent contains the following recital:

In a prior patent U. S. 1,815,022 issued July 14, 1931, a process for producing low cold test oils from wax-containing hydrocarbons is disclosed. In this patent the particular method disclosed comprises the addition to the oil of a small amount of a class of substances comprising low temperature aluminum chloride condensation products of paraffin wax and aromatic hydrocarbons such as naphthalene. The present invention is an improved method for producing these condensation products whereby materials of superior inhibiting powers are produced.

In the prior known method of producing condensation products of the class described for pour inhibiting purposes, the condensation is preferably carried out between a chlorinated derivative of paraffin wax and a hydrocarbon such as naphthalene at low temperatures, say from room temperature to about 160° F. But it was stated that at the end of the reaction, or in order to force the reaction to its conclusion the temperature is gradually raised to about 200° F. and held at that point for a short while. The purpose of this step was stated to be in order to bring the reaction to its conclusion and, furthermore, it served to put the aluminous sludge in such a condition that it might be readily settled from the oil. It has now been discovered that it is preferable to keep the temperature at all times below about 125° F., or even lower, for example, at 100° F., and to discontinue the reaction before it has reached its final stage. • • •

Claim 2 is illustrative of the claims of the patent and reads as follows:

2. An improved process for producing valuable pour inhibiting substances comprising the steps of condensing a material selected from the group of substances consisting of chlorinated derivatives of paraffin wax or olefins derived therefrom through the agency of a catalyst of the aluminum chloride type, stopping the reaction before its normal conclusion at a point when the aluminous sludge settles with difficulty, and recovering the oily product.

Throughout the specification of this patent it is made clear that the duration of the reaction was the principal inventive concept of the applicants, and each of the claims in the patent contains the element of stopping the reaction before its normal completion.

The Examiner had rejected certain claims of the application, No. 576,208, which rejection was reversed by the Board of Appeals. In its decision the Board stated:

> • • • The alleged novelty of the present claims resides in terminating the reaction slightly before its normal conclusion which obviously takes place whenever all of the chlorinated wax has entered into combination with the naphthalene. • • •

It also appears that the claim now before us was inserted in appellants' earlier application upon which said patent was issued, it being copied for purposes of interference from said patent to MacLaren. The claim in said early application was numbered 16 and corresponded to claim 4 of the MacLaren patent.

In the prosecution of appellants' early application this claim was rejected by the Primary Examiner, with others, for lack of disclosure in appellants' application. Appeal was taken to the Board of Appeals upon all of the claims so rejected. Before decision, appellants withdrew their appeal as to claim 16 (corresponding to the claim now before us) for the reason, as stated by them, that appellants had filed a new application in which said claim 16 was included. This new application is the one now before us. The Board therefore dismissed appellants' appeal in their early application as to said claim 16.

Coming now to appellants' instant application, it would appear from the decisions of the Patent Office tribunals that the claim before us (with others) was originally held allowable to appellants, and an interference was declared between said application and the MacLaren patent, but that, on a motion to dissolve made by MacLaren, it was held by the Primary Examiner that count 3, corresponding to claim 3 of the present application, reads upon the disclosure of a British patent to one Maverick, No. 396,147, of 1933, and that the count was not supported by the disclosure of appellants' earlier application upon which their patent was issued. If claim 3 is supported by appellants' early application the British patent to Maverick would not be available as a reference because appellants' earlier application antedated the British patent.

The Examiner also held that appellants could not rely upon their earlier application to support count 3 for the reason that this matter was res judicata inasmuch as they did not perfect their appeal from the rejection by the Examiner of claim 16, corresponding to the claim now before us, during the prosecution of said earlier application.

The Primary Examiner, for the reasons stated, dissolved the interference as to count 3. Upon appeal the Board of Appeals did not agree with the Primary Examiner as to lack of disclosure of the count in appellants' said early application, but held that the subject matter of said count 3 was not divisible from the subject matter claimed in appellants' patent issued upon their earlier application, and that therefore appellants were estopped from making the claim corresponding to the count in their application now before us.

In its decision upon said motion to dissolve the Board stated:

> The party MacLaren urged before the Primary Examiner that the party Davis and Swoope's right to rely upon their earlier application to support count 3 should not be permitted because this matter was res adjudicata inasmuch as they did not perfect their appeal during the prosecution of that application.
>
> We have carefully considered the arguments of both parties but in our opinion this matter is not res adjudicata if the subject matter of count 3 is divisible from the subject matter claimed in the Davis and Swoope Patent No. 2,087,682. We believe it is clear, however, that inasmuch as they canceled this claim, after rejection, from the original application, they cannot obtain it by way of reissue of that patent, and we are satisfied that if there is no proper line of division, they cannot obtain a claim in another application which would be barred in a reissue. The Examiner did not discuss this aspect of the situation and we find no satisfactory discussion in the briefs of the parties. We have inspected the claims of the Davis and Swoope patent and it is not clear to us that the subject matter of count 3 is for a different invention from that claimed in the patent. We believe that the difference is merely one of scope. In the absence, therefore, of convincing argument that there is a proper line of division, we consider that the party Davis and Swoope should be held to be estopped from urging count 3 in the application involved in the interference on the ground of res adjudicata.

Therefore the decision of the Primary Examiner dissolving the interference as to count 3 was affirmed. In denying a motion for reconsideration made by appellants the Board stated:

> The party Davis and Swoope petitions for reconsideration of the appeal decided on April 26, 1938.
>
> They urge that the appealed counts are for a different invention from that claimed in their Patent No. 2,087,682, in that the claims of the patent emphasize stopping the reaction before its normal conclusion while the appealed counts specify the addition of the aluminum chloride to the heated mixture.
>
> This party does not contend that the counts will not read upon the disclosure of their patent and while we recognize, of course, that the two features pointed out are not necessarily interrelated, we are of the opinion that if Davis and Swoope had undertaken to obtain a reissue of their patent in order to add the claims in question, it would not have been refused on the ground that the claims are for a different invention. We do not believe that, in the process under consideration, the fact that one group of claims sets forth one step specifically and another sets forth another step specifically, would be regarded from the standpoint of reissue as for different inventions.

In denying a second motion for reconsideration the Board stated:

> • • • In this instance we believe that when the Davis and Swoope patent expires, the public should be at liberty to follow the directions given therein for carrying out the process they claim. We think that count 3 of this interference is a statement of those directions up to a certain point. If that patent had disclosed two patentably distinct methods of mixing together the chlorinated wax, naphthalene and aluminum chloride, perhaps the situation would have been different. With the disclosure as it is, however, we are still of the opinion that a second patent, containing a claim corresponding to count 3 of this interference, should not issue. We believe that those entitled to use the matter claimed in the patent should not be required to employ some other order of mixing than the only one which we think is described.

Thereafter the Examiner on January 14, 1939, rejected claim 3 with others. On July 14, 1940, appellants appealed from this rejection to the Board of Appeals. In his statement upon appeal from this rejection to the Board of Appeals the Examiner stated:

> The claims are copied from the foregoing patent to MacLaren, and correspond to claims 1, 2, 4, 5, 14, 15, and 16 therein. These claims were made the subject of interference (No. 73,367) between applicants and the aforesaid patent. This interference was dissolved by action of the Board of Appeals, the Primary Examiner, and the Examiner of Interferences.
>
> This decision of the Board of Appeals (April 26, 1938) affirmed the decision of the Primary Examiner as to claims 3 and 7. The Board held claim 3 to be not available to applicants by reason of estoppel and res adjudicata. The Board held claim 7 to be unpatentable over a reference (Br. 396,147 supra). May 20, 1938, the Board held applicants petition for reconsideration denied.
>
> • • • • •
>
> In view of these facts the non-allowability of these claims to applicants is obviously settled. The interference was terminated by proper authority and should not be redeclared as would be the case if any of the claims herein were now to be allowed.
>
> Accordingly it is submitted the rejection by the Primary Examiner, pursuant to the decisions in interference, was proper and should be sustained.

On July 14, 1939, the same day on which appeal was taken to the Board of Appeals, appellants filed an affidavit of one Lieber tending to support appellants' claim that the invention defined by the claims of the patent can be carried out without infringing claim 3 now before us, should it be allowed, by following the initial steps of the process described in the Davis Patent No. 1,815,022.

[1] [2] In their brief appellants claim that the Primary Examiner and the Board of Appeals ignored said affidavit and that this constituted error. However, this alleged error is not mentioned in appellants' reasons of appeal and will not be considered by us. We think, however, that it is proper to state that if said affidavit was filed before the notice of appeal to the Board of Appeals, so far as the record shows there was no request for the consideration of said affidavit by the Examiner. If the affidavit was filed after the filing of the notice of appeal, the Board was at liberty, under rule 138 of the Rules of Practice in the United States Patent Office, to ignore the affidavit.

The Board of Appeals, in affirming the decision of the Examiner rejecting the claim before us, stated:

> The only question for consideration in this appeal is whether claim 3 is drawn to subject matter divisible from that claimed in appellants' Patent No. 2,087,682.
>
> • • • • •
>
> In Interference No. 73,367 we held that there was no proper line of division and inasmuch as we consider that that decision should be regarded as the law in the case for this Office, we shall not enter into any discussion of the arguments advanced in appellants' brief.
>
> In our inter partes decision we held that the difference between the claims of the patent and the claim now under consideration is merely one of scope. In reply to a petition for reconsideration therein, we stated on June 8, 1938:
>
> "• • • we believe that when the Davis and Swoope patent expires, the public should be at liberty to follow the directions given therein for carrying out the process they claim. We think that count 3 of this interference is a statement of those directions up to a certain point. If that patent had disclosed two patentably distinct methods of mixing together the chlorinated wax, naphthalene and aluminum chloride, perhaps the situation would have been different. With the disclosure as it is, however, we are still of the opinion that a second patent, containing a claim corresponding to count 3 of this interference, should not issue. We believe that those entitled to use the matter claimed in the patent should not be required to employ some other order of mixing than the only one which we think is described."
>
> • • • • •
>
> The decision of the Examiner is affirmed in holding that claim 3 is drawn to subject matter indivisible from that of appellants' Patent 2,087,682.

[3] It will be observed that the Board stated that only one order of mixing is described in appellants' patent. Were this a fact we would be compelled to affirm the decision appealed from, for it is elementary that an applicant for a patent must describe his invention in such terms that any person skilled in the art may use it. If, therefore, the process described in the illustrative example of appellants' patent must be followed in order to utilize the invention claimed therein, it would follow that if a patent be granted upon the involved claim no one could, upon the expiration of the earlier patent, use the matter claimed therein without infringing the later patent.

However, we cannot agree with the statement of the Board that appellants' patent describes only one order of mixing together the chlorinated wax, naphthalene, and aluminum chloride. One order of such mixing is set forth in the illustrative example in appellants' patent. A different order of mixing is set forth in the patent to Davis (one of the appellants here), No. 1,815,022, which patent is specifically referred to in appellants' patent as disclosing a process over which appellants' patent is an inventive improvement, viz., in discontinuing the reaction before it has reached its final stage.

This question of whether two methods of mixing the ingredients were disclosed in appellants' patent was not discussed by the Board, although it stated that

> "If that patent had disclosed two patentably distinct methods of mixing together the chlorinated wax, naphthalene and aluminum chloride, perhaps the situation would have been different."

The Solicitor for the Patent Office in his brief does not deny that appellants' patent shows two orders of mixing, one by the illustrative example set forth in the patent and the other that shown in the patent to Davis and specifically referred to in appellants' patent. The Solicitor, however, does suggest that the order of mixing here claimed is not patentably distinct from the order described in the Davis patent. This question will be later discussed herein.

Neither does the Solicitor for the Patent Office discuss in his brief the question of whether, if appellants' patent does in fact show two orders of mixing the ingredients, and if the order here claimed is patentably distinct from the order set forth in the Davis patent, appellants are entitled to an allowance of the claim before us. Upon this point the Solicitor states:

> Assuming that the reference in appellants' already issued Patent No. 2,087,682 to the Davis Patent No. 1,815,022 might be regarded as implying that a different order might be used in mixing the ingredients, that fact, it is submitted, cannot alter the clear disclosure in the patent given in the illustrative example of the process. (R. 44).

The above-quoted statement is perfectly true, but it does not affect the question here considered, viz., whether if the initial steps of the illustrative example in appellants' patent be in fact inventive, appellants are entitled to a separate patent for that invention, another process or order of mixing being disclosed in the Davis patent which may be followed by the public upon the expiration of appellants' Patent No. 2,087,682.

After diligent search we have found no adjudicated cases bearing directly upon the issue now under consideration.

It is of course true that an applicant may not receive two patents for the same invention. The leading case upon this subject is that of *Miller* v. *Eagle Manufacturing Company*, 151 U. S. 186, 198, 66 O. G. 845, wherein it was said:

> • • • no patent can issue for an invention actually covered by a former patent, especially to the same patentee, although the terms of the claims may differ; that the second patent, although containing a broader claim, more generical in its character than the specific claims contained in the prior patent, is also void; but that where the second patent covers matter described in the prior patent, essentially distinct and separable from the inven-

tion covered thereby and claims made thereunder, its validity may be sustained.

In the last class of cases it must distinctly appear that the invention covered by the later patent was a separate invention, distinctly different and independent from that covered by the first patent; in other words, it must be something substantially different from that comprehended in the first patent. It must consist in something more than a mere distinction of the breadth or scope of the claims of each patent. If the case comes within the first or second of the above classes, the second patent is absolutely void.

It is apparent that the claim before us is distinctly different from the claims of appellants' patent. The claim before us recites a specific order of mixing the reactants and catalyst in a process without limitation as to its duration, while the claims of appellants' patent recite a specific limitation in the duration of the process with no limitation in the order of mixing.

As stated by the Board of Appeals, the novelty of the claims of the patent resides in terminating the reaction before its normal conclusion. The novelty of the claim before us resides in the order of mixing the ingredients.

There can be no doubt that the claims of the patent and the claim before us are for separate inventions; but under the rule laid down in *Miller* v. *Eagle Manufacturing Company*, supra, the invention here claimed must be independent from the invention claimed in appellants' patent.

If the process claimed in appellants' patent could not be carried out without employing the process here claimed, or if the patent specification had disclosed only the illustrative example hereinbefore referred to as a method of carrying out the process claimed therein, it could not be said that the invention here claimed is independent of the invention claimed in appellants' patent. But such is not the case. The invention embodied in the claims of appellants' patent can be practiced without resort to the invention here claimed. Inasmuch as the invention claimed in appellants' patent is not dependent upon the invention here claimed, it must be held to be independent thereof, and patentability is not barred by the rule set forth in the case last above cited.

In the foregoing we have assumed that the claim before us is per se patentable and would have been allowed had it not been for the disclosure of the invention in appellants' patent, the Board holding in effect that the invention there claimed could not be utilized without using a particular process there disclosed and here claimed.

[4] However the Solicitor for the Patent Office in his brief argues that the change in the order of the steps set forth in the illustrative example set forth in appellants' patent and here claimed is not inventive, and he cites a number of cases wherein we have held that a change in the order of steps of a process did not involve invention.

It is our opinion that, upon the record before us, we may not consider this question for it does not appear that the claim before us has been held unpatentable by any of the Patent Office tribunals upon the ground that the order of mixing here claimed is not of itself inventive.

It appears that the claim in the application before us was originally held allowable by the Primary Examiner, and was finally disallowed only upon the ground that it is not divisible from the subject matter claimed in appellants' patent. In the decision appealed from the Board expressly stated that this was the only question before it.

If the Patent Office tribunals were of the opinion that the order of mixing embraced in the claim before us was not patentable, irrespective of the question of divisibility from the subject matter claimed in appellants' patent, they should have so held.

As the claim has not been rejected upon a ground now urged by the Solicitor for the Patent Office, we may not consider that question. *In re Tucker and Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 416 O. G. 286.

Therefore, assuming, as we must upon the record, that the order of mixing set out in the claim before us involved the exercise of the inventive faculty, it is apparent that appellants' patent disclosed two inventions, viz., (1) the termination of the reaction before its normal conclusion, regardless of the order of mixing the chlorinated wax, naphthalene and aluminum chloride, and (2) the order of mixing said materials regardless of the termination of the reaction.

The claims of the patent may be practiced without infringing the claim before us if allowed, and the claim before us can be practiced without infringing the claims of appellants' patent.

Inasmuch as it is our opinion that the invention here claimed is independent of and distinct from the invention claimed in appellants' patent, we must hold that the Board of Appeals erred in its holding that the claim before us is drawn to subject matter indivisible from that of appellants' Patent No. 2,087,682, and the decision appealed from is reversed.

Reversed.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 10, 1942

[VOL. 536. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 449,884. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 31, 1941. Under section 5b of the act of 1905 as amended in 1920.

Bradley

FOR MODELING CLAY AND MODELING MATERIALS SUCH AS CLAY FLOUR, PLASTIC WOOD, POTTERY CLAY, BALSA WOOD, BASSWOOD, REEDS, RATTAN, CANE, RAFFIA, AND CHAIR CANING.
Claims use since Oct. 15, 1920.

CLASS 2

RECEPTACLES

Ser. No. 448,296. LUCAS E. MOORE STAVE CO., OF GA., Mobile, Ala. Filed Oct. 31, 1941.

LEMSCO

FOR WOODEN BARRELS, AND STAVES, HEADINGS AND SHOOKS THEREFOR.
Claims use since June 1, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 448,752. HAROLD BLANK, Brooklyn, N. Y. Filed Nov. 19, 1941.

SHINEX

No claim is made to the word "Shine" apart from the mark.
FOR SHOE CLEANING PREPARATION.
Claims use since Oct. 31, 1941.

Ser. No. 448,753. HAROLD BLANK, Brooklyn, N. Y. Filed Nov. 19, 1941.

WHITEX

No claim is made to the word "White" apart from the mark.
FOR SHOE CLEANING PREPARATION.
Claims use since Oct. 31, 1941.

Ser. No. 449,294. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Dec. 8, 1941.

VELVET SUDS

FOR SOAP.
Claims use since Oct. 17, 1941.

Ser. No. 449,665. THE BON AMI COMPANY, New York, N. Y. Filed Dec. 22, 1941.



Bon Ami

FOR SCOURING SOAP IN CAKE OR POWDERED FORM.
Claims use since Sept. 1, 1939.

CLASS 5

ADHESIVES

Ser. No. 448,475. INTERNATIONAL PLASTIC CORPORATION, Chicago, Ill. Filed Nov. 8, 1941.

Filmonize

FOR TRANSPARENT PRESSURE-SEALING ADHESIVE TAPE.
Claims use since Sept. 26, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 423,864. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 22, 1939.

SHY

FOR ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS.
Claims use since Aug. 22, 1939.

Ser. No. 439,252. MARINE MAGNESIUM PRODUCTS CORPORATION, South San Francisco, Calif. Filed Dec. 28, 1940.

HYDRO-MAGMA

Applicant disclaims the word "Magma" apart from the word "Hydro."
FOR MAGNESIUM HYDROXIDE PASTE.
Claims use since Apr. 5, 1933.

Ser. No. 439,500. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

AG-O-SYL

FOR INTESTINAL LUBRICANT.
Claims use since May 10, 1940.

Ser. No. 439,504. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

ENZILE

FOR LAXATIVE.
Claims use since Aug. 10, 1940.

Ser. No. 440,888. L. E. STOTLAR, doing business as Physicians Supply Company, Herrin, Ill. Filed Feb. 21, 1941.

PHENASCO

FOR ANALGESIC AND ANTIPYRETIC IN TABLET FORM.
Claims use since October, 1940.

Ser. No. 447,012. DEARBORN CHEMICAL COMPANY, Chicago, Ill. Filed Sept. 13, 1941.



The applicant is the owner of the following registrations, effected under the act of Feb. 20, 1905, 132,350, 188,806, and 197,147, covering the word "Dearborn," the word "Dearborn" being in enlarged facsimile handwriting of William A. Converse, a former secretary of the applicant corporation, as adapted for stencil reproduction.
FOR BOILER COMPOUND FOR THE PREVENTION OF DELETERIOUS ACTION OF WATER WHEN USED IN STEAM BOILERS.
Claims use since Nov. 21, 1919.

Ser. No. 448,419. PHYSICIANS PHARMACAL COMPANY, Oklahoma City, Okla. Filed Nov. 5, 1941.

L. I. B.

FOR TONIC CAPSULE RECOMMENDED AS BENEFICIAL IN THE CORRECTION OF SECONDARY ANEMIAS—THOSE ARISING FROM A LACK OF IRON AND VITAMIN B1.
Claims use since July 5, 1941.

Ser. No. 448,633. CHARLES G. ENGE, also doing business as Western Chemical Company, New York, N. Y. Filed Nov. 14, 1941.



FOR INSECTICIDES.
Claims use since Apr. 10, 1903.

Ser. No. 448,762. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Nov. 19, 1941.



No claim is made to the representation of the goods or of the scissors apart from the mark. The drawing is lined for yellow.
FOR VITAMIN PRODUCTS AND SPECIFICALLY A PHARMACEUTICAL PRODUCT CONTAINING VITAMINS A AND D.
Claims use since July 10, 1941.

Ser. No. 449,036. BU-TAY PRODUCTS, INC., Huntington Park, Calif. Filed Nov. 29, 1941.



The words "Softens, Cleans, Blues" and "I Soften," "I Clean," and "I Blue" are disclaimed apart from the mark.
FOR COMBINATION WASHING, BLUEING, AND WATER SOFTENER.
Claims use since June 8, 1940.

Ser. No. 449,109. THE VITA-RAY CORPORATION, Lowell, Mass. Filed Dec. 2, 1941.

Vida-Ray

FOR COSMETIC AND TOILET PREPARATIONS—NAMELY, SKIN CREAMS, CLEANSING CREAMS, SKIN LOTIONS, SKIN FRESHENERS, SKIN OIL, POWDER BASE, FACE POWDER, AND BRILLIANTINE.
Claims use since Nov. 19, 1941.

Ser. No. 449,498. NEUBERG CHEMICAL CORPORATION, New York, N. Y. Filed Dec. 15, 1941.

ENCOLOID

FOR LECITHIN AND LECITHIN CONTAINING COMPOUNDS.
Claims use since Nov. 27, 1941.

Ser. No. 449,605. DIOSMA LABORATORIES, INC., Bloomfield and Newark, N. J. Filed Dec. 19, 1941.

DIOSMO

FOR MEDICAL COMPOUND FOR TREATING ARTHRITIS.
Claims use since Oct. 22, 1941.

Ser. No. 449,647. LUCKY HEART LABORATORIES, INC., Memphis, Tenn. Filed Dec. 20, 1941.

BE HAPPY

FOR PERFUME.
Claims use since Mar. 5, 1941.

Ser. No. 449,705. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Dec. 22, 1941.

DEROCIDE

FOR INSECTICIDES.
Claims use since Sept. 1, 1933.

Ser. No. 449,875. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 31, 1941.

B-CLYSOL

No claim is made to the letter "B" apart from the mark.
FOR MEDICINAL PREPARATION IN LIQUID FORM FOR REPLACING BODY FLUIDS AND SUPPLYING NECESSARY VITAMINS BY VENOCLYSIS.
Claims use since Dec. 18, 1941.

Ser. No. 449,894. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed Dec. 31, 1941.

EXCELSIOR

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Aug. 1, 1933.

Ser. No. 449,958. THE EMALMERS' SUPPLY COMPANY, Westport, Conn. Filed Jan. 2, 1942.

ESCO SAN-ODORANT

No claim is made to the word "Odorant" apart from the mark.
FOR DEODORANT POWDER.
Claims use since December, 1940.

Ser. No. 450,006. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Jan. 3, 1942.

ORIDX

FOR OXYGEN.
Claims use since Sept. 9, 1938.

Ser. No. 450,007. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Jan. 3, 1942.

LINDOX

FOR OXYGEN.
Claims use since Aug. 4, 1939.

Ser. No. 450,012. GILDA AUDREY PRODUCTS, INC., New York, N. Y. Filed Jan. 6, 1942.



FEATHEREE

FOR HAIR LOTIONS — NAMELY, PERMANENT WAVING SOLUTIONS.
Claims use since Dec. 15, 1941.

Ser. No. 450,044. HELEN BERMAN, doing business as Character Products, New York, N. Y. Filed Jan. 7, 1942.

"KIFHYSIN"

A CHARACTER PRODUCT

No claim is made to the phrase "A Character Product" apart from the mark.
FOR PREPARATION FOR ASTHMA AND BRONCHITIS.
Claims use since 1932.

Ser. No. 450,046. THE BIRD-ARCHER CO., New York, N. Y. Filed Jan. 7, 1942.

TANALGINATE

FOR PREPARATION USED TO CONDITION WATER USED IN BOILERS IN THE GENERATION OF STEAM.
Claims use since September, 1941.

Ser. No. 450,173. WILLIAMS PRODUCTS COMPANY, Columbus, Ga. Filed Jan. 12, 1942.

BEST BUDDY

No claim is made to the term "Best" apart from the mark.
FOR FOOT POWDER.
Claims use since Dec. 5, 1941.

Ser. No. 450,212. SCHERING CORPORATION, Bloomfield, N. J. Filed Jan. 14, 1942.



FOR MEDICINAL, PHARMACEUTICAL, AND CHEMICAL PREPARATIONS—NAMELY, MEDICINAL PREPARATIONS RECOMMENDED FOR THE TREATMENT OF DISORDERS OF THE STOMACH, AND DIGESTIVE ORGANS; GENITO-URINARY ANTISEPTICS; MEDICINAL PREPARATIONS USED IN HORMONE THERAPEUTICS; MEDICINAL PREPARATIONS FOR USE IN GLANDULAR DEFICIENCIES; LAXATIVE PREPARATIONS; PREPARATIONS USED FOR FACILITATING THE TAKING OF X-RAY PICTURES OF INTERNAL ORGANS; CHEMICAL COMPOUNDS TO BE USED IN THE TREATMENT OR PREVENTION OF BACTERIAL INFECTIONS; MEDICINAL PREPARATIONS FOR THE TREATMENT OF SEASICKNESS; MEDICINAL TONICS; MEDICINAL PREPARATIONS RECOMMENDED FOR THE TREATMENT OF NEURALGIC AND CONVULSIVE AFFECTIONS, ANGINA PECTORIS, DISEASES OF THE SINUSES AND SIMILAR CONDITIONS.
Claims use since Nov. 18, 1941.

Ser. No. 450,254. SYLVIA TORO, doing business as Toro Products, Brooklyn, N. Y. Filed Jan. 15, 1942.



FOR SKIN AND SCALP LOTION.
Claims use since January, 1937.

Ser. No. 450,298. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Jan. 19, 1942.

BLITHE SPIRIT

FOR LIPSTICK, FOUNDATION CREAM, FOUNDATION LOTION, ROUGE, AND NAIL POLISH.
Claims use since Nov. 17, 1941.

Ser. No. 450,305. MELVIN N. CREAL, doing business as Vitabolin Company, Dover, Ohio. Filed Jan. 19, 1942.

Vitabolin

FOR LINSEED OIL CAPSULES CONTAINING VITAMINS A AND B_1.
Claims use since Nov. 4, 1941.

Ser. No. 450,387. ANTOINE DE PARIS, INC., New York, N. Y. Filed Jan. 22, 1942.

BLITHE SPIRIT

FOR COLOGNES, FACE CREAMS, LOTIONS, FACE POWDERS, LIPSTICKS, EYE SHADOWS, ROUGES, AND PERFUMES.
Claims use since Nov. 14, 1941.

Ser. No. 450,401. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Jan. 22, 1942.

PYRAN

FOR MONOCALCIUM PHOSPHATE AND OTHER CHEMICALS FOR USE AS INGREDIENTS OF BAKING POWDERS, LEAVENING AGENTS, SELF-RISING FLOURS AND SIMILAR BAKING PREPARATIONS.
Claims use since Jan. 14, 1942.

Ser. No. 450,456. PLOUGH, INC., Memphis, Tenn. Filed Jan. 24, 1942.

MEXSANA

FOR SOOTHING, COOLING, AND ASTRINGENT POWDER.
Claims use since Jan. 13, 1942.

Ser. No. 450,466. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 26, 1942.

MYALETE

FOR ANTI-MYCOTIC POWDER INDICATED IN THE TREATMENT AND PREVENTION OF ATHLETE'S FOOT.
Claims use since Jan. 20, 1942.

Ser. No. 450,472. CUTTER LABORATORIES, Berkeley, Calif. Filed Jan. 26, 1942.

(B. T. V.)

FOR VACCINE FOR THE PREVENTION OF CHOLERA IN SWINE.
Claims use since Feb. 20, 1940.

Ser. No. 450,473. CUTTER LABORATORIES, Berkeley, Calif. Filed Jan. 26, 1942.

(Pelmenal)

FOR MIXED BACTERIN FOR THE PREVENTION AND TREATMENT OF RESPIRATORY INFECTIONS IN CATTLE.
Claims use since Dec. 15, 1940.

Ser. No. 450,489. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 26, 1942.

NEO-MAPHARSEN

FOR PREPARATION USED IN THE TREATMENT OF SYPHILITIC AND RELATED TYPES OF INFECTIONS.
Claims use since Jan. 7, 1942.

Ser. No. 450,506. ENDO PRODUCTS, INC., New York, N. Y. Filed Jan. 27, 1942.

COUMADIN

FOR HEMORRHAGIC PRODUCING DRUG.
Claims use since Aug. 1, 1941.

Ser. No. 450,523. TROY CHEMICAL CO., Binghamton, N. Y. Filed Jan. 27, 1942.

TROYCO

FOR OINTMENT USED AS AN AID FOR MINOR OR SUPERFICIAL CUTS, CHAFES, AND ABRASIONS.
Claims use since Jan. 1, 1939.

Ser. No. 450,571. N. O. NICKELBERRY, Mineral Wells, Tex. Filed Jan. 29, 1942.

"CATARACT"

FOR NOSE DROPS USED IN CONNECTION WITH THE TREATMENT OF HAY FEVER AND HEADACHES RESULTING FROM THE SAME AND FOR MASSAGE OIL USED FOR MASSAGING THE BODY IN THE TREATMENT OF RHEUMATIC OR MUSCULAR ACHES AND PAINS.
Claims use since Nov. 13, 1941.

Ser. No. 450,573. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Jan. 29, 1942.

Swami

FOR LIPSTICKS, FACE POWDERS, FACE CREAMS, AND FACE AND HAND LOTIONS.
Claims use since Jan. 2, 1942.

Ser. No. 450,575. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Jan. 29, 1942.

PERVITIN

FOR MEDICINE FOR STIMULATION OF THE NERVOUS SYSTEM, FOR VASOCONSTRICTION AND OTHER THERAPEUTIC CONDITIONS.
Claims use since Jan. 19, 1942.

Ser. No. 450,576. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Jan. 29, 1942.

SULFADRINE

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF RHINOLOGICAL CONDITIONS.
Claims use since Jan. 19, 1942.

Ser. No. 450,584. ENDO PRODUCTS, INC., New York, N. Y. Filed Jan. 30, 1942.

TRIBIN

FOR PREPARATION CONSISTING OF A COMBINATION OF VITAMINS.
Claims use since Sept. 1, 1941.

Ser. No. 450,621. COTY, INC., New York, N. Y. Filed Jan. 31, 1942.

Flying Colors

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Jan. 22, 1942.

Ser. No. 450,622. COTY, INC., New York, N. Y. Filed Jan. 31, 1942.

SLEIGH BELLS

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Jan. 23, 1942.

Ser. No. 450,642. THE DANDRO-NOX CO., Baltimore, Md. Filed Feb. 2, 1942.

EZAP

FOR FACE BLEACH, SKIN WHITENING CREAM, EYE BROW PENCIL, POMADE, FACE POWDER, TALCUM POWDER, BODY POWDER, HAIR OIL, BATH SALTS, SMELLING SALTS, LIP-STICK, INCENSE, TOOTH POWDER, TOOTH PASTE, NAIL POWDER, NAIL CREAM, WITCH HAZEL SALVE, CAMPHOR CREAM, ASTRINGENT, ASTRINGENT CERATES, ASTRINGENT OBESITY, LIQUID ROUGE, LIQUID SKIN WHITENER, EYELASH AND EYE BROW GROWER, EYE DROPS, EYE LASH AND EYE BROW DARKENER, HAND LOTION, SKIN LOTION, AFTER-SHAVING LOTION, HAIR ELIXIRS, SCALP LOTION, HAIR TONIC, SHAMPOO, HAIR DYE, MOUTH WASH, DENTIFRICE, DEPILATORIES, NAIL POLISH, NAIL BLEACH, DEODORANT, DISINFECTANT, BAY RUM, PERFUME, TOILET WATER, SUN BURN LOTION, SUN TAN LOTION, GARGLE, BLEACHING CREAM, BEAUTY CREAM, COLD CREAM, CLEANSING CREAM, REFRESHING CREAM, VANISHING CREAM, ROUGE, FOOT POWDER, CORN SALVE, SACHET, FINGER WAVE SOLUTION, AND PERMANENT WAVE SOLUTION.
Claims use since Dec. 7, 1939.

Ser. No. 450,654. JEROME A. MEUSEL, Baltimore, Md. Filed Feb. 2, 1942.

Tropex

FOR SUN TAN LOTION AND SUNBURN LOTION.
Claims use since Apr. 2, 1941.

Ser. No. 450,673. HELEN A. BALLACK, INC., Detroit, Mich. Filed Feb. 3, 1942.

BAL-CON

FOR LAXATIVE COMPOUNDS.
Claims use since Jan. 10, 1942.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 439,731. THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio. Filed Jan. 16, 1941.

PAK-A-DOR

FOR CIGARETTE CASES.
Claims use since June 15, 1940.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 447,533. AUTO-ORDNANCE CORPORATION, New York, N. Y., and Bridgeport, Conn. Filed Oct. 4, 1941.

TOMMY

FOR MACHINE GUNS AND SUBMACHINE GUNS.
Claims use since July 26, 1941.

Ser. No. 449,862. THE KROGER GROCERY & BAKING COMPANY, doing business as Wesco Foods Company, Cincinnati, Ohio. Filed Dec. 30, 1941.

AVALON

FOR MATCHES.
Claims use since May 6, 1932.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 449,893. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed Dec. 31, 1941.

RAVEN

FOR CARBON BLACK FOR USE AS AN INK PIGMENT.
Claims use since Aug. 29, 1936.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 432,828. METALATED WOOL COMPANY, Detroit, Mich. Filed June 8, 1940.



The representation of the goods and words "Metalated Wool" and "A Sealed Insulation" are disclaimed apart from the mark.
FOR THERMAL INSULATION MATERIAL FOR BUILDING AND CONSTRUCTION WORK.
Claims use since May 20, 1939.

Ser. No. 446,694. THE GATES RUBBER COMPANY, Denver, Colo. Filed Aug. 30, 1941.

"VULCO" BOND

Applicant disclaims the word "Bond" apart from the mark.
FOR ARTICLES FORMED OF RUBBER BONDED TO METAL TO-WIT: TANK LININGS FOR CHEMICAL RESISTANCE; TANK LININGS FOR ABRASIVE RESISTANCE; CHUTE AND LAUNDER LININGS; BIN LININGS; HOPPER LININGS; FLOTATION CELL LININGS; THICKENER LININGS; AMALGAMATOR TRAY LININGS; DIFFUSER BOWL LININGS; DUST COLLECTING SYSTEMS LININGS; SAND BLAST ROOM LININGS; CAR LININGS; COAL SEPARATOR LININGS; CONCRETE MIXER LININGS; LAUNDRY TUMBLER LININGS; STEEL TANK CAR LININGS OF RUBBER FOR ACID TRANSPORTATION.
Claims use since Nov. 22, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 426,695. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 18, 1939.

GENERAL

FOR MOLDED RUBBER GOODS—NAMELY, WIRE GROMMETS USED IN HOLES, CASTER WHEELS, BUSHINGS FOR SEPARATING CONNECTED MEMBERS, AND VALVE BASES.
Claims use since Oct. 28, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,619. METALS DISINTEGRATING COMPANY, INC., Union, N. J. Filed Mar. 17, 1941.



FOR DISINTEGRATED METALS IN DRY POWDER FORM.
Claims use since Nov. 11, 1940.

Ser. No. 449,034. BIRDSBORO STEEL FOUNDRY & MACHINE COMPANY, Birdsboro, Pa. Filed Nov. 29, 1941.



The drawing is lined for red. The word "Special" is disclaimed apart from the mark.
FOR RAILWAY CAR CASTINGS—NAMELY, SIDE FRAMES, BOLSTERS, CORNER BRACKETS AND CENTER FILLER CASTINGS.
Claims use since Feb. 1, 1939.

Ser. No. 449,235. THE MIDVALE COMPANY, Philadelphia, Pa. Filed Dec. 6, 1941.

CONSTANT

FOR ALLOY STEEL.
Claims use since Dec. 18, 1924.

Ser. No. 449,237. THE MIDVALE COMPANY, Philadelphia, Pa. Filed Dec. 6, 1941.

DUREDGE

FOR ALLOY STEEL.
Claims use since Apr. 4, 1932.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 448,070. YARNALL PAINT COMPANY, Philadelphia, Pa. Filed Oct. 23, 1941.

YARNALL

THE SHIELD OF PROTECTION

The word "Protection" is disclaimed apart from the mark.

FOR PAINTS IN DRY, PASTE AND READY-MIXED FORM, PAINT ENAMELS, STAINS, PASTE WOOD FILLERS FOR FLOORS AND LIQUID FILLERS FOR UPRIGHT SURFACES, COLORS IN OIL, VARNISH SEALERS, PREPARED SHELLAC AND OTHER PROTECTIVE AND DECORATIVE PAINT COATINGS.

Claims use since Dec. 15, 1939.

Ser. No. 449,895. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed Dec. 31, 1941.

EXCELSIOR

FOR PARTICULATE CARBON FOR USE AS A PAINT PIGMENT.

Claims use since Aug. 1, 1933.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 449,185. M & N CIGAR MANUFACTURERS, INC., Cleveland, Ohio. Filed Dec. 4, 1941.

STRATHMORE

FOR CIGARS, CIGARETTES, AND CHEROOTS.

Claims use since June, 1931.

Ser. No. 449,186. M & N CIGAR MANUFACTURERS, INC., Cleveland, Ohio. Filed Dec. 4, 1941.

St. Regis

FOR CIGARS, CIGARETTES, CHEROOTS, CIGAROS, AND TOBACCO.

Claims use since Feb. 6, 1932.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 447,096. THE COLSON CORPORATION, Elyria, Ohio. Filed Sept. 17, 1941.

DEFENDER

FOR BICYCLES.

Claims use since Aug. 20, 1941.

Ser. No. 448,270. TOWMOTOR CO., Cleveland, Ohio. Filed Oct. 30, 1941.

TOWMOTOR

The word "Cleveland" is disclaimed apart from the mark.

FOR INDUSTRIAL POWER TRUCKS.

Claims use since March, 1919.

Ser. No. 449,414. FLEETWINGS, INCORPORATED, Bristol, Pa. Filed Dec. 12, 1941.

FLEETWINGS

FOR AIRPLANES AND STRUCTURAL PARTS OF AIRPLANES.

Claims use since 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 438,062. ACOUSTIC CONSULTANTS, INC., New York, N. Y. Filed Nov. 20, 1940.

Soundmirror

FOR APPARATUS FUNCTIONING TO RECORD AND REPRODUCE SOUND ELECTRICALLY.

Claims use since Apr. 12, 1939.

Ser. No. 439,018. GEMLOID CORPORATION, Elmhurst, Long Island, N. Y. Filed Dec. 19, 1940.

GEM-GLO

Applicant disclaims the word "Glo" apart from the mark.

FOR SIGNALLING DEVICES—NAMELY, ELECTRIC FLASH LAMPS, AND LANTERNS.

Claims use since May 1, 1940.

Ser. No. 443,332. KNAPP-MONARCH COMPANY, doing business as Kwikway Company, St. Louis, Mo. Filed May 7, 1941.

KWIK WAY

Applicant claims ownership of trade-mark registrations Ct. #342,446 and Ct. #367,005.

FOR ELECTRIC HAND DRILLS.

Claims use since Aug. 2, 1937.

Ser. No. 448,350. WESTERN COOPERAGE COMPANY, Portland, Oreg. Filed Nov. 1, 1941.

WESCO

BATTERY SEPARATORS

Applicant disclaims any attempt to register the words "Battery Separators" as such.

FOR BATTERY SEPARATORS.

Claims use since Aug. 15, 1941.

Ser. No. 449,546. DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Dec. 17, 1941.

DICTALOG

FOR ELECTRICAL SOUND RECORDING MACHINES AND PARTS THEREOF.

Claims use since Oct. 27, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 450,433. J. SWEDLIN, INC., New York, N. Y. Filed Jan. 23, 1942.

Dreamie

FOR STUFFED TOYS—NAMELY, STUFFED DOLLS AND ANIMAL FIGURES.

Claims use since Jan. 15, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 449,273. HART-CARTER CO., Minneapolis, Minn. Filed Dec. 8, 1941.

Purograder

FOR MACHINE FOR SEPARATING CEREAL OR CEREAL MATERIALS.

Claims use since Apr. 1, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 449,333. ZEPHYR LAUNDRY MACHINERY CO., INC., Chicago, Ill. Filed Dec. 9, 1941.

"SPEED-EX"

FOR LAUNDRY MACHINERY AND EQUIPMENT—NAMELY, CENTRIFUGAL EXTRACTORS.

Claims use since November, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,435. HISTORICAL JAMES RIVER PLANTATIONS CO., Portsmouth, Va. Filed Mar. 11, 1941.

F.F.V.

FOR CHESTS, TABLES, BEDS, CHAIRS, DRESSERS, HIGHBOYS, COMMODES, CHAISE LONGUES, SOFAS, SETTEES, DIVANS, STUDIO COUCHES, SECRETARIES, CORNER CABINETS, WHATNOTS, TELE-

PHONE STANDS, BUFFETS, SIDEBOARDS, CHINA CABINETS, CELLARETTES, BOOKCASES, AND TEA WAGONS.
Claims use since Feb. 5, 1941.

Ser. No. 444,633. THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed June 18, 1941.

KNIT-KRAFT

The word "Knit" is disclaimed apart from the combination with the word "Kraft."
FOR FURNITURE SLIP COVERS.
Claims use since February, 1941.

Ser. No. 450,017. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo.; also doing business as Famous-Barr Company, St. Louis, Mo.; and also as The M. O'Neil Co., Akron, Ohio. Filed Jan. 6, 1942.



The word "Maple" is disclaimed except as shown.
FOR FURNITURE—NAMELY, BEDS, DRESSERS, CHIFFONIERS, DRESSING TABLES, CHAIRS, DAVENPORTS, LOVE SEATS, TABLES, BOOKCASES, DESKS, SECRETARIES, BUFFETS, SERVING TABLES, AND DINETTE SETS.
Claims use since Dec. 1, 1941.

CLASS 33

GLASSWARE

Ser. No. 449,942. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed Jan. 1, 1942.

METL-FLEX

The word "Metl" is disclaimed apart from the mark.
FOR LAMINATED SAFETY GLASS.
Claims use since Dec. 17, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 439,869. B. & J. JACOBS COMPANY, Cincinnati, Ohio. Filed Jan. 22, 1941.



All words are disclaimed apart from the mark.
FOR AIR CONDITIONING DUCTS.
Claims use since June 10, 1935.

Ser. No. 445,802. THE CLEVELAND CO-OPERATIVE STOVE COMPANY, Cleveland, Ohio. Filed July 31, 1941.

CHARCOL-ATOR

The word "Charcol" is disclaimed apart from the mark.
FOR GAS FIRED OVENS AND BURNERS, THE BURNERS COMPRISING ESSENTIALLY A GAS BURNER OF METAL AND REFRACTORY CERAMIC ELEMENTS AGAINST WHICH, OR IN PROXIMITY TO WHICH, THE FLAME FROM THE METAL BURNER BURNS.
Claims use since July 10, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 448,370. PAN AMERICAN BAND INSTRUMENT AND CASE COMPANY, Elkhart, Ind. Filed Nov. 3, 1941.

ALL STAR

FOR CUP TYPE AND REED TYPE MOUTHPIECES FOR MUSICAL INSTRUMENTS.
Claims use since November, 1929.

Ser. No. 449,297. H. & A. SELMER, INC., Elkhart, Ind. Filed Dec. 8, 1941.

Goldentone

FOR REEDS FOR WOODWIND INSTRUMENTS AND MORE PARTICULARLY FOR REEDS FOR SAXOPHONES, CLARINETS, OBOES, ENGLISH HORNS, BASSOONS, AND FOR MOUTH PIECE FOR WOODWIND INSTRUMENTS.
Claims use since 1933.

CLASS 37

PAPER AND STATIONERY

Ser. No. 449,890. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 31, 1941. Under section 5b of the act of 1905 as amended in 1920.

BRADLEY'S

FOR DRAWING PAPER, TRACING PAPER, CHARCOAL PAPER, ILLUSTRATION BOARDS, BRISTOL BOARD, POSTER BOARD, COVER PAPER, ART MOUNTS, INDEX CARDS, FILING GUIDES AND FOLDERS, NOTEBOOKS, BLOTTERS, STAMP PADS, DATING STAMPS, RUBBER STAMPS, LABELS, BOOK COVERS, BINDERS, PENCILS, PENS, ERASERS, CRAYONS, CRAYON SETS, CHALK, BLANKBOOKS, WEAVING CARDS, COLOR DESIGNS, STENCILS, AND GUMMED STICKERS.
Claims use since Jan. 15, 1930.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 443,598. CHARLES M. CROWE, St. Louis, Mo. Filed May 15, 1941.

AT YOUR SERVICE

FOR SCRIPTS FOR RADIO BROADCASTS ISSUED FROM TIME TO TIME.
Claims use since Mar. 24, 1941.

Ser. No. 448,843. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio. Filed Nov. 24, 1941.

3 in 1 WORKBOOK

The word "Workbook" is hereby disclaimed apart from the mark.
FOR SERIES OF TEXT BOOKS.
Claims use since Sept. 28, 1940.

Ser. No. 448,926. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Nov. 25, 1941.

Charm

FOR PERIODICAL PUBLICATION.
Claims use since Nov. 14, 1941.

Ser. No. 448,990. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed Nov. 27, 1941.

STARDOM

FOR MONTHLY MAGAZINE DEVOTED TO THE MOTION PICTURE INDUSTRY.
Claims use since Nov. 10, 1941.

Ser. No. 449,214. RAND MCNALLY & COMPANY, Chicago, Ill. Filed Dec. 5, 1941.

PARTICIPLAN

FOR PRINTED COUPON BOOKS IN BOOKLET FORM AND READY FOR USE EXCEPT FOR THE APPLICATION OF A DATE STAMP, PRINTED CARDBOARD SIGNS FOR WINDOW AND OTHER DISPLAY USE, AND PRINTED LEAFLETS FOR ADVERTISING PURPOSES SOLD AS SUCH.
Claims use since July 14, 1941.

Ser. No. 450,027. SHAW-BARTON, INC., Coshocton, Ohio. Filed Jan. 6, 1942.

HOME-MAKER'S

FOR WALL CALENDARS.
Claims use since Dec. 2, 1941.

Ser. No. 450,028. SHAW-BARTON, INC., Coshocton, Ohio. Filed Jan. 6, 1942.

ROD AND GUN

FOR WALL CALENDARS.
Claims use since Dec. 2, 1941.

Ser. No. 450,171. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Jan. 12, 1942.

The March of Industry

FOR SECTIONS OF PERIODICAL PUBLICATIONS.
Claims use since January, 1942.

CLASS 39

CLOTHING

Ser. No. 414,462. MOULTON, BARTLEY, INC., St. Louis, Mo. Filed Jan. 3, 1939.



FOR SHOES, PRINCIPALLY OF LEATHER.
Claims use since Nov. 27, 1938.

Ser. No. 439,034. ATKINS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 21, 1940.



FOR HORSEHIDE JACKETS, GOATSKIN JACKETS, CALF SKIN JACKETS, COWHIDE JACKETS, SHEEP-LINED COATS, SUEDE-JACKETS.
Claims use since May 25, 1940.

Ser. No. 444,421. SPORTOWNE COAT CO. INC., New York, N. Y. Filed June 11, 1941.

ORIGINAL
Pacalaine
WOOL AND ALPACA
EXCLUSIVE

All wording except "Pacalaine" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since January, 1941.

Ser. No. 445,552. CHAS. MACINTOSH & COMPANY, LIMITED, Manchester, England. Filed July 22, 1941.



Applicant is owner of T. M. Reg. Nos. 18,788 and 366,341. No claim is made to the words "Indiarubber," "Manufacturers," and "Trade Mark" apart from the mark.
FOR GARMENTS AND ARTICLES OF DRESS—NAMELY, WOMEN'S (WATERPROOF) COATS, CAPES, AND (SHOWERPROOF) RAINCOATS AND GOLF JACKETS; MEN'S (WATERPROOF) COATS AND (SHOWERPROOF) RAINCOATS AND GOLF JACKETS; CHILDREN'S (SHOWERPROOF) RAINCOATS AND (WATERPROOF) COATS.
Claims use since 1824.

Ser. No. 445,607. S. S. KRESGE COMPANY, Detroit, Mich. Filed July 24, 1941.



FOR NEGLIGEE SHIRTS, SPORT SHIRTS, WORK SHIRTS, DRESS SHIRTS, UNDERSHIRTS, UNDER SHORTS, UNDERWEAR, OUTER SHORTS AND SLACKS, HATS, NECKTIES, WORK PANTS, DRESS PANTS, CAPS AND SCARFS FOR MEN AND BOYS.
Claims use since Jan. 15, 1940.

Ser. No. 445,666. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed July 26, 1941.



Applicant disclaims the word "America" apart from the mark.
FOR MEN'S AND CHILDREN'S SWEAT SHIRTS AND POLO SHIRTS.
Claims use since July 22, 1941.

Ser. No. 445,945. F. JACOBSON & SONS, INC., New York, N. Y. Filed Aug. 4, 1941.

ALASKAN
by Jayson

No claim is made to the word "Alaskan" apart from the mark.
FOR MEN'S DRESS SHIRTS, SPORT SHIRTS, NEGLIGEE SHIRTS, AND WORK SHIRTS.
Claims use since Sept. 29, 1939.

Ser. No. 446,683. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Aug. 30, 1941.

KENT HALL

The word "Kent" is disclaimed apart from the mark.
FOR MEN'S SUITS, TOP COATS, GABARDINE RAIN COATS, JACKETS, DRESS AND SPORT SHIRTS.
Claims use since June 17, 1941.

Ser. No. 446,784. SPATZ BROS., INC., New York, N. Y. Filed Sept. 4, 1941.

STATION WAGON

A SPATZY PRODUCT

The word "Product" is disclaimed.
FOR BOYS' RAINCOATS.
Claims use since July 15, 1940.

Ser. No. 446,863. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 8, 1941.

C.M.O.
COLLEGE WALKERS

No claim is made to the word "Walker's" alone.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 3, 1941.

Ser. No. 447,467. W. RAVEN & CO. LIMITED, Leicester, England. Filed Oct. 1, 1941.

RAVENA

FOR MEN'S HALF HOSE, ANKLET AND SLACK SOCKS; WOMEN'S UNDER-HOSE, ANKLET AND SPORTS HOSE; AND CHILDREN'S SOCKS, ANKLET SOCKS AND THREE-QUARTER HOSE.
Claims use since Dec. 17, 1908.

Ser. No. 448,459. ROSE BROTHERS, New York, N. Y. Filed Nov. 7, 1941.



FOR MEN'S AND YOUNG MEN'S TOPCOATS, OVERCOATS, VESTS, TROUSERS, PANTS, SPUN RAYON SUMMER SUITS AND OUTER SHIRTS, AND SLACKS.
Claims use since Oct. 15, 1940.

Ser. No. 448,530. SEMINOLE MANUFACTURING COMPANY, Columbus, Miss. Filed Nov. 10, 1941.



The word "Merit" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' WORK AND DRESS TROUSERS.
Claims use since May, 1941.

Ser. No. 449,198. APEX DRESS CO., INC., New York, N. Y. Filed Dec. 5, 1941.



Applicant disclaims the word "Fashion" apart from the mark.
FOR LADIES', MISSES', AND JUNIOR DRESSES AND SUITS.
Claims use since June, 1941.

Ser. No. 449,589. WILLIAM S. SCHRAM, Chicago, Ill. Filed Dec. 18, 1941.

ROOM MATE

FOR PAJAMAS.
Claims use since Nov. 15, 1941.

Ser. No. 449,897. H. DAROFF & SONS, INC., Philadelphia, Pa. Filed Dec. 31, 1941.

Regent Royal

FOR MEN'S AND YOUNG MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since Dec. 1, 1938.

Ser. No. 449,977. FAMOUS BLOUSES, INC., New York, N. Y. Filed Jan. 3, 1942.

PRIORITY

FOR LADIES' AND MISSES' SUITS, BLOUSES AND DRESSES.
Claims use since September, 1941.

Ser. No. 449,987. CANNON SHOE COMPANY, Baltimore, Md. Filed Jan. 5, 1942.



No claim is made to the words "Corrective," "Cushioned" or "Archlift" apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF.
Claims use since Dec. 3, 1941.

Ser. No. 449,995. KOPS BROS., INC., New York, N. Y. Filed Jan. 5, 1942.

NYLETTE

FOR GIRDLES, FOUNDATION GARMENTS AND BRASSIÈRES.
Claims use since July 29, 1940.

Ser. No. 450,001. RICHARDS, BOGGS & KING, INC., Chicago, Ill. Filed Jan. 5, 1942.

Byrane

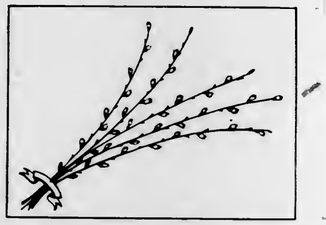
FOR RAINCOATS, RAIN CAPES, COMBINED RAIN CAPES AND HOODS, AND RAIN SKIRTS, ALL FORMED OF TRANSLUCENT FILM-LIKE MATERIAL.
Claims use since Dec. 1, 1941.

Ser. No. 450,155. L. BAMBERGER & Co., Newark, N. J. Filed Jan. 12, 1942.

Priority

FOR WOMEN'S COATS, SUITS, BLOUSES, AND SKIRTS.
Claims use since Dec. 15, 1941.

Ser. No. 450,214. SMART MAID COAT CO., INC., New York, N. Y. Filed Jan. 14, 1942.

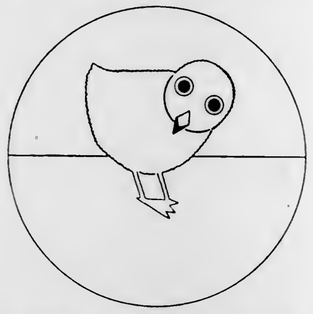


FOR MISSES', JUNIORS', AND CHILDREN'S COATS.
Claims use since November, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 448,185. CHICOPEE SALES CORPORATION, New York, N. Y. Filed Oct. 28, 1941.



FOR CHEESE CLOTH AND UTILITY CLOTHS, NAPKINS, TOWELS, DUSTING CLOTHS, POLISHING CLOTHS, STRAINING CLOTHS, MADE PRINCIPALLY OF UNTREATED CHEESE CLOTH.
Claims use since Oct. 1, 1938.

Ser. No. 449,608. HESS GOLDSMITH & Co. INC., New York, N. Y. Filed Dec. 19, 1941.

CUBALEEN

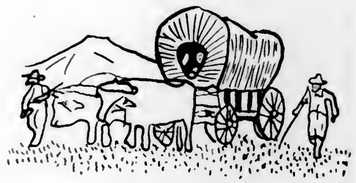
FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, ACETATE, SILK AND COMBINATIONS THEREOF.
Claims use since Oct. 1, 1941.

Ser. No. 449,761. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 26, 1941.

CELDAMASK

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Dec. 23, 1941.

Ser. No. 449,782. SCHNEIDER & ARMITAGE, New York, N. Y. Filed Dec. 26, 1941.



Wagonwheel

FOR WOOLEN PIECE GOODS.
Claims use since Nov. 1, 1941.

Ser. No. 449,795. FABRICS BY JOYCE, INC., New York, N. Y. Filed Dec. 27, 1941.

DOWN TO EARTH

FOR FABRICS IN THE PIECE OF COTTON, RAYON, ACETATE, AND COMBINATIONS THEREOF.
Claims use since Jan. 2, 1941.

Ser. No. 449,801. JOHN MATOUK, INC., New York, N. Y. Filed Dec. 27, 1941.



FOR COTTON AND RAYON FABRICS IN THE PIECE.
Claims use since Jan. 2, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 448,931. AYR SCOTCH WOOLS, INCORPORATED, Green's Farms, Conn. Filed Nov. 26, 1941.



The picture is fanciful.
FOR YARN.
Claims use since May 1, 1939.

Ser. No. 449,979. LARRY E. GOLDSTEIN, doing business as Cascade Yarn Co., New York, N. Y. Filed Jan. 3, 1942.

CASCADE

FOR WOOL, WORSTED, ANGORA, COTTON, SILK, RAYON YARNS, AND MIXTURES THEREOF.
Claims use since Dec. 29, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 439,330. CLAY-ADAMS CO., INC., New York, N. Y. Filed Jan. 2, 1941.



FOR DENTAL, MEDICAL, AND SURGICAL APPLIANCES—NAMELY, FORCEPS, SCALPELS, SCISSORS, LANCETS, URINOMETERS, HEAD MIRRORS, HEMOGLOBINOMETERS, HEMACYTOMETERS, STETHOSCOPES, CASES FOR DISSECTING INSTRUMENTS.
Claims use since May 22, 1937.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 449,531. JUDGE & DOLPH, LTD., Chicago, Ill. Filed Dec. 13, 1941.

So-Grape

The word "Grape" is disclaimed apart from the mark.
FOR NON-ALCOHOLIC MALTLESS BOTTLED BEVERAGES AND NON-ALCOHOLIC MALTLESS BEVERAGE CONCENTRATE.
Claims use since Oct. 13, 1941.

Ser. No. 449,763. COCK 'N BULL PRODUCTS, Los Angeles, Calif. Filed Dec. 26, 1941.

Cock 'n Bull



FOR GINGER BEER.
Claims use since Nov. 10, 1941.

CLASS 46

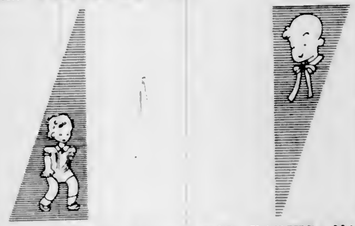
FOODS AND INGREDIENTS OF FOODS

Ser. No. 422,590. ROBERT H. MCELROY, JR., Chicago, Ill. Filed Aug. 14, 1939.

Divvies

FOR CANDY.
Claims use since Aug. 7, 1939.

Ser. No. 427,790. BROWNIE FOOD COMPANY, Detroit, Mich. Filed Jan. 24, 1940.



FOR STRAINED FOODS FOR BABIES—NAMELY, FRUITS, VEGETABLES, SOUPS CONTAINING NO MEAT, CEREALS AND CHICKEN IN SEALED CONTAINERS.
Claims use since Dec. 5, 1939.

Ser. No. 441,210. LITCHFIELD PRODUCE CO., Litchfield, Minn. Filed Mar. 4, 1941.

ELPECO

FOR EGGS, LIVE AND DRESSED POULTRY, TURKEYS, DUCKS, GEESE, AND BUTTER.
Claims use since June 1, 1923.

Ser. No. 445,788. ANDREWS & KNOWLES PRODUCE COMPANY, INC., Mount Olive, N. C. Filed July 31, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

GENERAL WAYNE



FOR RAW POTATOES.
Claims use since June 1, 1940.

Ser. No. 446,138. NATHAN E. LAZARUS, Buffalo, N. Y. Filed Aug. 11, 1941.



The words "Quality Protected," "Safe-T-Test," "From Farm to Family," and "Emblem of Excellence" are disclaimed apart from the mark.
FOR FRESH MILK AND FRESH CREAM.
Claims use since June, 1939.

Ser. No. 447,642. CHARLES M. SHAPERA, doing business as Emes Kosher Products, Chicago, Ill. Filed Oct. 9, 1941.



The Hebrew characters spell the word "Emes" which may be translated as "Verity."
FOR GELATINE DESSERTS.
Claims use since Apr. 18, 1940.

Ser. No. 447,930. KENNETH E. BEMIS, Oakland, Calif. Filed Oct. 20, 1941.

TWIN WICH

FOR SANDWICHES.
Claims use since July 1, 1941.

Ser. No. 447,936. D'ARRIGO BROTHERS CO., San Jose, Calif. Filed Oct. 20, 1941.

CELERY QUEEN



No claim is made to the word "Celery" or to the representation of the goods apart from the mark. The picture of the girl is fanciful.
FOR FRESH VEGETABLES—NAMELY, FRESH CELERY.
Claims use since November, 1940.

Ser. No. 448,290. THE GRAHAM CO. INC., New York, N. Y. Filed Oct. 31, 1941.

REDBOW

FOR DRIED LENTILS, DRIED PEA BEANS, DRIED MARROW BEANS, DRIED GREEN SPLIT PEAS, DRIED YELLOW SPLIT PEAS, BROWN RICE, UNCOATED RICE, DRIED LIMA BEANS, DRIED WHITE KIDNEY BEANS, DRIED RED KIDNEY BEANS, DRIED CHICK PEAS, DRIED WHOLE GREEN PEAS, PACKAGED BARLEY, DRIED BLACK TURTLE BEANS, DRIED BLACK EYE PEAS, DRIED BABY LIMA BEANS, DRIED YELLOW EYE BEANS, BIRD SEED, MIXED NUTS.
Claims use on lentils, pea beans, marrow beans, green split peas, yellow split peas, brown rice and uncoated rice since Jan. 16, 1924; on lima beans, white kidney beans and red kidney beans since Jan. 2, 1926; on chick peas, whole green peas, packaged barley since Dec. 19, 1927; on black turtle beans and black eye peas since Dec. 24, 1928; on baby lima beans since Dec. 9, 1929; on yellow eye beans since Oct. 20, 1931; on bird seed since Sept. 12, 1938; and on mixed nuts since Oct. 15, 1938.

Ser. No. 448,522. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Nov. 10, 1941.

NU-CREST

FOR JAMS, JELLIES, FRUIT PRESERVES, MUSTARD, PEANUT BUTTER, TABLE SYRUP, PICKLES, CATSUP, VEGETABLE SHORTENING, MARASCHINO CHERRIES, AND COCOA.
Claims use since Oct. 1, 1937.

Ser. No. 448,679. OLD MONK OLIVE OIL CO., Chicago, Ill. Filed Nov. 15, 1941.

OLIVETTE

FOR SALAD OIL AND SANDWICH SPREAD.
Claims use since 1923.

Ser. No. 448,959. E. J. BRACH & SONS, Chicago, Ill. Filed Nov. 27, 1941.

Hill-Side

FOR CANDY.
Claims use since Aug. 25, 1941.

Ser. No. 448,968. FLODEN BROS., Modesto, Calif. Filed Nov. 27, 1941.

CALKEY

FOR DRESSED TURKEYS.
Claims use since Oct. 16, 1941.

Ser. No. 449,073. VITA-YEAST COMPANY, LTD., New York, N. Y. Filed Nov. 29, 1941.

MORVI

FOR DRIED YEAST.
Claims use since Oct. 21, 1941.

Ser. No. 449,081. MOTHER HUBBARD DISTRIBUTORS INC., New York, N. Y. Filed Dec. 1, 1941.

Golden Center

FOR WHEAT GERM.
Claims use since Nov. 14, 1941.

Ser. No. 449,131. WALTER DIEHNELT, doing business as Honey Acres, Menomonee Falls, Wis. Filed Dec. 3, 1941.

Honey Acres

No claim is made to the word "Honey" apart from the mark.
FOR HONEY AND CANDY.
Claims use since 1931.

Ser. No. 449,657. HOWARD PRESERVING COMPANY, INC., Miami, Fla. Filed Dec. 20, 1941.

5 IN 1

FOR FRUIT JUICE COCKTAILS.
Claims use since Nov. 6, 1941.

Ser. No. 449,698. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 22, 1941.

SURPASAL

FOR WHEAT FLOUR.
Claims use since Sept. 18, 1941.

Ser. No. 449,724. IVANHOE MUTUAL ORANGE ASSOCIATION, Ivanhoe, Calif. Filed Dec. 23, 1941.

King's Park

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 19, 1940.

Ser. No. 449,804. OLD RANCHERS COMPANY, Ontario, Calif. Filed Dec. 27, 1941.

OLD RANCHERS

FOR CANNED OLIVES.
Claims use since Dec. 5, 1941.

Ser. No. 449,892. CANDYMASTERS INCORPORATED, Minneapolis, Minn. Filed Dec. 31, 1941.

Thumbs UP

FOR CANDY BARS.
Claims use since Dec. 16, 1941.

Ser. No. 450,048. RALPH T. FOX, doing business as The Fox Company, Newfield, N. J. Filed Jan. 7, 1942.

FLAVITEIN

FOR POULTRY FEED—NAMELY, INGREDIENTS USED IN POULTRY MASHES.
Claims use since Jan. 2, 1942.

Ser. No. 450,186. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Jan. 13, 1942.

SPARKLO

FOR SALAD AND COOKING OILS.
Claims use since Feb. 4, 1939.

CLASS 47

WINES

Ser. No. 446,983. ACAMPO WINERY AND DISTILLERIES, INCORPORATED, Acampo, Calif. Filed Sept. 12, 1941.



No claim is made to the word "Mark" apart from the mark.
FOR WINES.
Claims use since July 29, 1941.

Ser. No. 448,681. PEOPLES DISTRIBUTING COMPANY, INC., Covington, Ky., and Cincinnati, Ohio. Filed Nov. 15, 1941.

GOLDEN FLEECE

FOR WINES.
Claims use since July 10, 1941.

Ser. No. 449,750. ATLAS DISTRIBUTING CORPORATION, Worcester, Mass. Filed Dec. 26, 1941.

TOLL HOUSE

FOR WINES.
Claims use since Dec. 15, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 448,944. ANGEL P. JULIA, doing business as Cia Licorera Julia, Barrio Obrero, Santurce, P. R. Filed Nov. 26, 1941.



Applicant disclaims the word "Ron" separately from the mark.
FOR RUM.
Claims use since February, 1937.

Ser. No. 449,111. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Dec. 2, 1941.



The words "Triple Sec" are disclaimed apart from the mark.
FOR LIQUEUR.
Claims use since Nov. 25, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 10, 1942

393,851. VEGETABLE OIL PRODUCTS—NAMELY, AN IMITATION BUTTER FLAVOR, WHICH WHEN MIXED THOROUGHLY WITH VEGETABLE SHORTENING PRODUCES AN IMITATION BUTTER. FELTON & SONS, INC., New York, N. Y.
Filed November 9, 1936. Serial No. 385,285. PUBLISHED DECEMBER 30, 1941. Class 46.

393,852. NONALCOHOLIC FRUIT JUICES SOLD FOR BEVERAGE PURPOSES. SAM TERRY, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif.
Filed January 28, 1938. Serial No. 402,450. PUBLISHED NOVEMBER 7, 1939. Class 45.

393,853. FACSIMILE BULLETINS PUBLISHED DAILY OR FROM TIME TO TIME. BAMBERGER BROADCASTING SERVICE, INCORPORATED, Newark, N. J.
Filed April 13, 1938. Serial No. 405,189. PUBLISHED DECEMBER 30, 1941. Class 38.

393,854. BOILER COMPOUNDS, SOOT DESTROYERS, AND RUST SOLVENTS. EDW. H. HUFNAGEL, doing business as Norma Chemical Company, Mount Vernon, N. Y.
Filed November 22, 1938. Serial No. 413,090. PUBLISHED APRIL 18, 1939. Class 6.

393,855. LUBRICATING OIL FOR MOTOR DIESEL ENGINES. TIDE WATER ASSOCIATED OIL COMPANY, San Francisco, Calif.
Filed December 20, 1938. Serial No. 414,048. PUBLISHED MAY 14, 1940. Class 15.

393,856. SEED GRAINS—NAMELY, WHEAT, OATS, BARLEY, CORN, RYE, MAIZE, SORGHUM, SUDAN GRASS, AND OTHER GRASS SEEDS. TERMINAL GRAIN COMPANY, Fort Worth, Tex.
Filed April 24, 1939. Serial No. 418,657. PUBLISHED APRIL 15, 1941. Class 1.

393,857. ARTIFICIAL TEETH. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed September 11, 1939. Serial No. 423,493. PUBLISHED OCTOBER 17, 1939. Class 44.

393,858. SAFETY PAPER SUCH AS IS USED FOR BANK CHECKS, BANK DRAFTS, AND OTHER CHECKS AND DRAFTS, BILLS OF EXCHANGE, PROMISSORY NOTES, TICKETS, AND ALL VOUCHERS OF VALUE. GEORGE LA MONTE & SON, Nutley, N. J.
Filed February 14, 1940. Serial No. 428,557. PUBLISHED DECEMBER 2, 1941. Class 37.

393,859. ELECTRICAL HEATING PADS FOR THERAPEUTIC USE. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed August 30, 1940. Serial No. 435,527. PUBLISHED DECEMBER 30, 1941. Class 44.

393,860. LUBRICATING OIL. UNITED STATES AVIEX CORPORATION, New York, N. Y.
Filed November 2, 1940. Serial No. 437,537. PUBLISHED DECEMBER 16, 1941. Class 15.

393,861. LUBRICATING OIL. UNITED STATES AVIEX CORPORATION, New York, N. Y.
Filed November 2, 1940. Serial No. 437,538. PUBLISHED DECEMBER 16, 1941. Class 15.

393,862. NONALCOHOLIC AND MALTLESS BEVERAGES SOLD AS SOFT DRINKS; CLUB SODA AND MINERAL WATER; AND FOUNTAIN SYRUPS FOR FLAVORING NONALCOHOLIC AND MALTLESS BEVERAGES. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed November 9, 1940. Serial No. 437,748. PUBLISHED DECEMBER 23, 1941. Class 45.

393,863. WHEAT FLOUR. HARLINGEN BROKERAGE COMPANY, Harlingen, Tex.
Filed November 19, 1940. Serial No. 438,041. PUBLISHED JULY 29, 1941. Class 46.

393,864. HANDBAGS, SUITCASES, OVERNIGHT CASES, WARDROBE CASES, AND TRUNKS. BOYLE LEATHER GOODS CO., INC., New York, N. Y.
Filed December 24, 1940. Serial No. 439,150. PUBLISHED MARCH 18, 1941. Class 3.

393,865. PERIODICAL IN THE NATURE OF A HANDBOOK ISSUED FROM TIME-TO-TIME. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo.
Filed December 28, 1940. Serial No. 439,258. PUBLISHED DECEMBER 16, 1941. Class 38.

393,866. WATERPROOFING COMPOUND FOR USE WITH STUCCO, MAGNESITE, AND PLASTER. JOHN IRWIN, Buffalo, N. Y.
Filed January 27, 1941. Serial No. 440,007. PUBLISHED DECEMBER 16, 1941. Class 12.

393,867. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. COHEN & WILKS, LIMITED, Manchester, England.
Filed January 31, 1941. Serial No. 440,152. PUBLISHED DECEMBER 23, 1941. Class 42.

393,868. SOAP—NAMELY, TOILET SOAP. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed March 28, 1941. Serial No. 442,039. PUBLISHED DECEMBER 30, 1941. Class 4.

393,869. PORCELAIN ENAMELED STEEL TABLE TOPS. PORCELAIN ENAMEL INSTITUTE, INC., Chicago, Ill.
Filed April 3, 1941. Serial No. 442,243. PUBLISHED DECEMBER 30, 1941. Class 32.

393,870. PAPER FOR DUPLICATING USE. DITTO, INCORPORATED, Chicago, Ill.
Filed April 12, 1941. Serial No. 442,522. PUBLISHED JUNE 10, 1941. Class 37.

393,871. ADDITIVE IN THE NATURE OF A LUBRICANT FOR CIRCULATING MUD FOR DRILLING OF WELLS. BARUCH CERF, Los Angeles, Calif.
Filed April 14, 1941. Serial No. 442,546. PUBLISHED DECEMBER 16, 1941. Class 15.

393,872. MONTHLY MAGAZINE. COUNTRY PRESS, INC., Greenwich, Conn.
Filed April 15, 1941. Serial No. 442,588. PUBLISHED DECEMBER 16, 1941. Class 38.

393,873. MONTHLY MAGAZINE. COUNTRY PRESS, INC., Greenwich, Conn.
Filed April 15, 1941. Serial No. 442,589. PUBLISHED DECEMBER 16, 1941. Class 38.

393,874. FLOWER SEEDS AND BULBS. JAMES D. MOONEY, doing business as Flowerfield Bulb Farm, Flowerfield, Long Island, N. Y.
Filed May 2, 1941. Serial No. 443,203. PUBLISHED DECEMBER 30, 1941. Class 1.

393,875. LITERARY WORKS RELATING TO EARTHLY AND ASTRAL VIBRATIONS AND TO SCIENCES AND PSEUDO-SCIENCES, ETC. JOSEPH P. WILSON, doing business as Robot Sales Co., Columbia, S. C.
Filed May 9, 1941. Serial No. 443,446. PUBLISHED DECEMBER 16, 1941. Class 38.

393,876. DOLLS AND MARIONETTES, INCLUDING THE FIGURES, STAGE CABINETS, AND OPERATING APPLIANCES THEREFOR. GEORGE J. PAL, Hollywood, Calif.
Filed May 19, 1941. Serial No. 443,699. PUBLISHED DECEMBER 30, 1941. Class 22.

393,877. CIDER BEVERAGE. CENTURY FRUIT CORPORATION, Medina, N. Y.
Filed May 23, 1941. Serial No. 443,335. PUBLISHED DECEMBER 30, 1941. Class 45.

393,878. SANDWICH ROLL. FRANTZ HOME BAKERS, INC., East Liverpool, Ohio.
Filed June 3, 1941. Serial No. 444,147. PUBLISHED DECEMBER 30, 1941. Class 46.

393,879. CARBON PAPER. MCCRORY STORES CORPORATION, New York, N. Y.
Filed June 7, 1941. Serial No. 444,306. PUBLISHED DECEMBER 30, 1941. Class 11.

393,880. CARTOONS PUBLISHED IN A SERIES. M. CHARLES GAINES, New York, N. Y.
Filed June 13, 1941. Serial No. 444,496. PUBLISHED DECEMBER 23, 1941. Class 38.

393,881. MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF ACIDOSIS, HEARTBURN, HYPERACIDITY, ETC. ANTONIO PRADO RODRIGUEZ, doing business as Biosante Chemical Specialties, New York, N. Y.
Filed June 13, 1941. Serial No. 444,513. PUBLISHED DECEMBER 23, 1941. Class 6.

393,882. ELASTIC FABRICS IN THE PIECE MADE OF SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF. ROSENSTEIN BROS., New York, N. Y.
Filed June 14, 1941. Serial No. 444,547. PUBLISHED DECEMBER 16, 1941. Class 42.

393,883. BLANK BOOKS FOR ADDRESSES AND MEMORANDUMS. SIMPLEX BINDER CO., New York, N. Y.
Filed July 2, 1941. Serial No. 445,018. PUBLISHED DECEMBER 30, 1941. Class 37.

393,884. MEN'S AND BOYS' CAPS, JACKETS, NECKTIES, OUTER SHIRTS, SWEATERS, TROUSERS, AND UNIFORMS DESIGNED FOR MEMBERS OF THE ORGANIZATION. FUTURE FARMERS OF AMERICA, INC., Richmond, Va., and Washington, D. C.
Filed July 3, 1941. Serial No. 445,049. PUBLISHED DECEMBER 23, 1941. Class 39.

393,885. PIECE GOODS FOR MEN'S AND WOMEN'S APPAREL MADE OF RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. THE RILEY COMPANY, INC., New York, N. Y.
Filed July 10, 1941. Serial No. 445,244. PUBLISHED DECEMBER 23, 1941. Class 42.

393,886. VITAMIN BREAD ENRICHMENT TABLETS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 19, 1941. Serial No. 445,512. PUBLISHED OCTOBER 14, 1941. Class 6.

393,887. DRIVE-IN SERVICE BUILDINGS SHIPPED CUT TO FIT FOR DISPENSING SOFT DRINKS, POPCORN, AND OTHER EDIBLES. PETER LEGATZ, Bay City, Mich.
Filed July 21, 1941. Serial No. 445,525. PUBLISHED DECEMBER 16, 1941. Class 12.

393,888. AVIATION EQUIPMENT—NAMELY, PARACHUTES, PARACHUTE PACKS, PARACHUTE HARNESSES, PILOT CHUTES, AND PARTS OF ALL SUCH EQUIPMENT. PIONEER PARACHUTE COMPANY, INC., Manchester, Conn.
Filed July 22, 1941. Serial No. 445,558. PUBLISHED DECEMBER 30, 1941. Class 19.

393,889. SANDWICHES. MALCOLM S. MEDILL AND LEIGHTON C. MEDILL, Denver, Colo.
Filed July 23, 1941. Serial No. 445,585. PUBLISHED DECEMBER 23, 1941. Class 46.

393,890. TOBACCO BOUGHT IN PROCESS WHICH IS THEN BLENDED, ETC. GEORGE SACHS, Jamaica, N. Y.
Filed July 26, 1941. Serial No. 445,670. PUBLISHED DECEMBER 30, 1941. Class 17.

393,891. FRESH DECIDUOUS FRUITS. THE UNITED FRUIT GROWERS ASSOCIATION, Palisade, Colo.
Filed July 26, 1941. Serial No. 445,674. PUBLISHED DECEMBER 30, 1941. Class 46.

393,892. PENCILS, PARTICULARLY MECHANICAL LEAD PENCILS. LOUIS F. DOW COMPANY, St. Paul, Minn.
Filed August 2, 1941. Serial No. 445,889. PUBLISHED DECEMBER 30, 1941. Class 37.

393,893. HONEY, BUTTER, AND CHEESE. E. HALLMAN, doing business as E. Hallman Company, Toronto, Ontario, Canada.
Filed August 9, 1941. Serial No. 446,109. PUBLISHED OCTOBER 7, 1941. Class 46.

393,894. MACHINELESS HAIR WAVING PADS WHICH CREATE EXOTHERMIC HEAT. BONAT & BONAT, INC., New York, N. Y.
Filed August 12, 1941. Serial No. 446,159. PUBLISHED DECEMBER 30, 1941. Class 44.

393,895. VISORS FOR HATS AND CAPS. MUTUAL CAP FRONTS, INC., New York, N. Y.
Filed August 12, 1941. Serial No. 446,169. PUBLISHED DECEMBER 23, 1941. Class 39.

393,896. VISORS FOR HATS AND CAPS. MUTUAL CAP FRONTS, INC., New York, N. Y.
Filed August 12, 1941. Serial No. 446,171. PUBLISHED DECEMBER 23, 1941. Class 39.

393,897. PERFUMES, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER, AND LIPSTICKS. LUCIEN LELONG, INC., Chicago, Ill.
Filed August 18, 1941. Serial No. 446,326. PUBLISHED DECEMBER 23, 1941. Class 6.

393,898. PERFUMES, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER, AND LIPSTICKS. LUCIEN LELONG, INC., Chicago, Ill.
Filed August 18, 1941. Serial No. 446,327. PUBLISHED DECEMBER 23, 1941. Class 6.

393,899. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES AND CURTAINS AND DRAPES MADE THEREFROM. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 446,450. PUBLISHED NOVEMBER 25, 1941. Class 42.

393,900. CONTAINER CLOSURES. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed August 26, 1941. Serial No. 446,538. PUBLISHED NOVEMBER 4, 1941. Class 50.

393,901. BRAKE LINING AND CLUTCH FACINGS. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind.
Filed August 28, 1941. Serial No. 446,609. PUBLISHED DECEMBER 30, 1941. Class 35.

393,902. BRAKE LINING AND CLUTCH FACINGS. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind.
Filed August 28, 1941. Serial No. 446,610. PUBLISHED DECEMBER 30, 1941. Class 35.

393,903. PERIODICAL PUBLISHED WEEKLY. R. R. BOWKER COMPANY, New York, N. Y.
Filed August 30, 1941. Serial No. 446,689. PUBLISHED DECEMBER 23, 1941. Class 38.

393,904. PERIODICAL PUBLISHED SEMI-MONTHLY. R. R. BOWKER COMPANY, New York, N. Y.
Filed September 2, 1941. Serial No. 446,728. PUBLISHED DECEMBER 23, 1941. Class 38.

393,905. PERIODICAL PUBLISHED ANNUALLY. R. R. BOWKER COMPANY, New York, N. Y.
Filed September 2, 1941. Serial No. 446,729. PUBLISHED DECEMBER 23, 1941. Class 38.

393,906. NEWSPAPER. PIONEER PUBLISHING COMPANY, Oak Park, Ill.
Filed September 3, 1941. Serial No. 446,760. PUBLISHED DECEMBER 30, 1941. Class 38.

393,907. POWDER USED FOR OPENING AND CLEANING CLOGGED DRAINS AND GREASE TRAPS. RADIATOR SPECIALTY COMPANY, Charlotte, N. C., Los Angeles, Calif., and Toronto, Ontario, Canada.
Filed September 8, 1941. Serial No. 446,890. PUBLISHED DECEMBER 23, 1941. Class 6.

393,908. MIMEOGRAPH PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed September 10, 1941. Serial No. 446,948. PUBLISHED DECEMBER 30, 1941. Class 37.

393,909. MONTHLY PERIODICALS. GEORGE E. CORBY, Cleveland, Ohio.
Filed September 11, 1941. Serial No. 446,964. PUBLISHED DECEMBER 16, 1941. Class 38.

393,910. WEEKLY PERIODICAL. CIVIC EDUCATION SERVICE, Washington, D. C.
Filed September 12, 1941. Serial No. 446,991. PUBLISHED DECEMBER 16, 1941. Class 38.

393,911. WEEKLY NEWSPAPERS. PARADE PUBLICATION, INC., New York, N. Y.
Filed September 12, 1941. Serial No. 447,000. PUBLISHED DECEMBER 23, 1941. Class 38.

393,912. WEEKLY NEWSPAPERS. PARADE PUBLICATION, INC., New York, N. Y.
Filed September 12, 1941. Serial No. 447,001. PUBLISHED DECEMBER 23, 1941. Class 38.

393,913. AUTOMATIC STORAGE GAS WATER HEATERS. ELGIN ROWLAND PARKER, doing business as Southern Water Heater Company, and as United States Heater Company, Compton, Calif.
Filed September 22, 1941. Serial No. 447,250. PUBLISHED DECEMBER 30, 1941. Class 34.

393,914. CEREAL BREAKFAST FOOD. TWIN CITY WHOLESALE GROCER COMPANY, St. Paul, Minn.
Filed September 22, 1941. Serial No. 447,259. PUBLISHED DECEMBER 30, 1941. Class 46

393,915. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS AND FRESH VEGETABLES. UNITED FRESH FRUIT & VEGETABLE ASSOCIATION, Chicago, Ill.
Filed September 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 447,260. PUBLISHED DECEMBER 30, 1941. Class 46.

393,916. IRON AND STEEL CASTINGS AND FORGINGS. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed September 25, 1941. Serial No. 447,305. PUBLISHED DECEMBER 30, 1941. Class 14.

393,917. TEXTILE FABRICS IN THE PIECE OF SILK, RAYON AND COMBINATIONS THEREOF. FOLKER FABRICS, INC., New York, N. Y.
Filed September 26, 1941. Serial No. 447,328. PUBLISHED DECEMBER 23, 1941. Class 42.

393,918. PORTABLE OVERPASS. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill.
Filed September 27, 1941. Serial No. 447,376. PUBLISHED DECEMBER 16, 1941. Class 12.

393,919. PREPARED FOOD PRODUCTS — NAMELY, CANNED OLIVES. ALBERS PACKING COMPANY, Riverside, Calif.
Filed September 30, 1941. Serial No. 447,421. PUBLISHED DECEMBER 30, 1941. Class 46.

393,920. BOXES OF CARDBOARD AND CORRUGATED BOARD, AND BOX SHAPED CONTAINERS MADE OF CARDBOARD AND CORRUGATED BOARD SOLD EMPTY IN THE TRADE. IRVING H. GREEN, Minneapolis, Minn.
Filed October 1, 1941. Serial No. 447,462. PUBLISHED DECEMBER 16, 1941. Class 2.

393,921. TITLE FOR A SECTION OR COLUMN APPEARING IN DAILY AND SUNDAY NEWSPAPERS. UNITED PRESS ASSOCIATIONS, New York, N. Y.
Filed October 1, 1941. Serial No. 447,474. PUBLISHED DECEMBER 30, 1941. Class 38.

393,922. MEDICINAL SALVE FOR TREATING BRUISES, CUTS, SCRATCHES, AND BOILS. DOMENICI J. PERINO, Hammonton, N. J.
Filed October 2, 1941. Serial No. 447,488. PUBLISHED DECEMBER 23, 1941. Class 6.

393,923. FERMENTED BEVERAGE BREWED FROM MALT AND OTHER CEREALS AND HOPS. STEGMAIER BREWING COMPANY, Wilkes Barre, Pa.
Filed October 2, 1941. Serial No. 447,496. PUBLISHED DECEMBER 23, 1941. Class 48.

393,924. TOYS—NAMELY, DOLLS AND TOY ANIMALS. LILY MARIANNE HUBERT, Bellport, N. Y.
Filed October 3, 1941. Serial No. 447,511. PUBLISHED DECEMBER 30, 1941. Class 22.

393,925. BAKED BEANS. EARLE H. MCHUGH, doing business as Rose Mill, Milford, Conn.
Filed October 3, 1941. Serial No. 447,524. PUBLISHED DECEMBER 30, 1941. Class 46.

393,926. MEN'S MILITARY BRUSHES, MEN'S AND WOMEN'S HANDLED BRUSHES, HAIR BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, HAND BRUSHES, AND BABY HAIR BRUSHES. ARTHUR G. DUDLEY, doing business as Henningsen Company of California, San Francisco, Calif.
Filed October 6, 1941. Serial No. 447,559. PUBLISHED DECEMBER 23, 1941. Class 29.

393,927. KILN DRIED SWEET POTATOES. C. W. ROBERTSON, doing business as Robertson Yam Company, Tyler, Tex.
Filed October 6, 1941. Serial No. 447,575. PUBLISHED DECEMBER 30, 1941. Class 46.

393,928. PREPARATION FOR FILLING IN SEAMS OR JOINTS IN ANY KIND OF CONSTRUCTION, WHETHER OF WOOD, METAL, OR OTHER MATERIAL; ALSO FOR BEDDING TOGETHER OF WOOD, METAL, OR OTHER MATERIAL. THE ESTATE OF H. B. FRED. KUHLS, doing business as H. B. Fred. Kuhls, Brooklyn, N. Y.
Filed October 7, 1941. Serial No. 447,593. PUBLISHED DECEMBER 23, 1941. Class 12.

393,929. ARCH SUPPORTS. CLARENCE H. WHITE, Nashua, N. H.
Filed October 7, 1941. Serial No. 447,600. PUBLISHED DECEMBER, 30, 1941. Class 44.

393,930. VITAMIN PREPARATION USED AS A FOOD AND VITAMIN SUPPLEMENT HAVING EFFICACY IN THE TREATMENT OF UNDERNOURISHED, UNDERWEIGHT, AND CONVALESCENT CONDITIONS. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed October 8, 1941. Serial No. 447,616. PUBLISHED DECEMBER 23, 1941. Class 6.

393,931. PREPARATION FOR TREATING ERYSIPELAS, CUTS, BRUISES, BURNS, OLD SORES, INSECT BITES, BLOOD POISONING, SUN BURNS, AND WARTS. MARCELLA BOYD, GARNETTE MITCHELL, AND GRACE OSBORNE, Pikeville, Ky.
Filed October 9, 1941. Serial No. 447,629. PUBLISHED DECEMBER 23, 1941. Class 6.

393,932. PERIODICAL PROGRAM SKITS FOR RADIO STATIONS SOLD AS PUBLICATION IN INTERSTATE TRADE. EMIL BRISACHER, doing business as Brisasher, Davis & Staff, San Francisco, Calif.
Filed October 15, 1941. Serial No. 447,792. PUBLISHED DECEMBER 23, 1941. Class 38.

393,933. FEED CONCENTRATES AND MINERAL FEEDS FOR USE AS A FEED SUPPLEMENT FOR POULTRY AND LIVESTOCK. MOORMAN MANUFACTURING COMPANY, Quincy, Ill.
Filed October 15, 1941. Serial No. 447,816. PUBLISHED DECEMBER 30, 1941. Class 46.

393,934. WORM EXPELLERS FOR FARM ANIMALS AND POULTRY, FLY SPRAY, AND DISINFECTANT POWDER. MOORMAN MANUFACTURING COMPANY, Quincy, Ill.
Filed October 15, 1941. Serial No. 447,817. PUBLISHED DECEMBER 23, 1941. Class 6.

393,935. LIQUID SHAMPOO FOR ANIMALS. TANDY W. PIATT, Chicago, Illinois.
Filed October 15, 1941. Serial No. 447,821. PUBLISHED DECEMBER 23, 1941. Class 6.

393,936. ROTATABLE STUD SEPARABLE FASTENERS. CAMLOC FASTENER COMPANY, New York, N. Y.
Filed October 17, 1941. Serial No. 447,866. PUBLISHED December 30, 1941. Class 13.

313,937. ROTATABLE STUD SEPARABLE FASTENERS. CAMLOC FASTENER COMPANY, New York, N. Y.
Filed October 17, 1941. Serial No. 447,867. PUBLISHED DECEMBER 30, 1941. Class 13.

393,938. PREPARATION FOR THE REMOVAL OF WAX AND OTHER FOREIGN SUBSTANCES IN PREPARATION FOR SUCH REFINISHING AS MAY BE DONE ON THE OLD SURFACE OF AUTOMOBILES OR OTHER PAINTED OR LACQUERED SURFACES. RINSHED-MASON COMPANY, Detroit, Mich.
Filed October 17, 1941. Serial No. 447,892. PUBLISHED DECEMBER 30, 1941. Class 4.

393,939. COMIC STRIP FEATURE PUBLISHED MONTHLY AND AT OTHER INTERVALS. ACE MAGAZINES INC., New York, N. Y.
Filed October 18, 1941. Serial No. 447,899. PUBLISHED DECEMBER 16, 1941. Class 38.

393,940. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR ANY COMBINATION OF THESE MATERIALS. BUCK SHOE CORPORATION, Philadelphia, Pa.
Filed October 18, 1941. Serial No. 447,904. PUBLISHED DECEMBER 23, 1941. Class 39.

393,941. CANNED CITRUS FRUIT JUICES. W. B. HAGGERTY, INC., Tampa, Fla.
Filed October 18, 1941. Serial No. 447,911. PUBLISHED DECEMBER 30, 1941. Class 46.

393,942. CANNED FISH. OXNARD CANNERS, INC., Port Hueneme, Calif.
Filed October 20, 1941. Serial No. 447,950. PUBLISHED DECEMBER 30, 1941. Class 46.

393,943. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 22, 1941. Serial No. 447,996. PUBLISHED DECEMBER 16, 1941. Class 42.

393,944. BREAK-IN MOTOR OIL. THE TOLEDO STEEL PRODUCTS COMPANY, Toledo, Ohio.
Filed October 22, 1941. Serial No. 448,016. PUBLISHED DECEMBER 23, 1941. Class 15.

393,945. MATERIAL (IN LIQUID FORM) APPLICABLE TO MASONRY, CONCRETE, AND WOOD, TO PRODUCE A DAMP-PROOF SURFACE. A. F. VAN WOLF, doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill.
Filed October 22, 1941. Serial No. 448,021. PUBLISHED DECEMBER 23, 1941. Class 12.

393,946. READY-MIXED PAINT. THE WILBUR & WILLIAMS COMPANY, Boston, Mass.
Filed October 22, 1941. Serial No. 448,025. PUBLISHED DECEMBER 30, 1941. Class 16.

393,947. PERIODICAL PUBLICATION. BASTIAN-MORLEY CO. INC., La Porte, Ind.
Filed October 23, 1941. Serial No. 448,026. PUBLISHED DECEMBER 30, 1941. Class 38.

393,948. COTTON TEXTILE FABRICS SOLD IN THE PIECE OR CUT LENGTHS. L. W. GUILD COMPANY, INC., Boston Mass.
Filed October 23, 1941. Serial No. 448,049. PUBLISHED DECEMBER 23, 1941. Class 42.

393,949. PEAT MOSS USED IN THE NATURE OF A FERTILIZER. SHAFER-HAGGART LTD., Vancouver, British Columbia, Canada.
Filed October 23, 1941. Serial No. 448,060. PUBLISHED DECEMBER 23, 1941. Class 10.

393,950. GAMES CONSISTING OF A PLURALITY OF PLAYING PIECES PLAYED IN A MANNER SIMILAR TO CARDS OR DOMINOES. VOLUME SPRAYER MANUFACTURING CO., INC., Tulsa, Okla.
Filed October 24, 1941. Serial No. 448,088. PUBLISHED DECEMBER 30, 1941. Class 22.

393,951. LUBRICATING OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed October 25, 1941. Serial No. 448,091. PUBLISHED DECEMBER 23, 1941. Class 15.

393,952. LUBRICATING OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed October 25, 1941. Serial No. 448,092. PUBLISHED DECEMBER 23, 1941. Class 15.

393,953. CANNED GOODS—NAMELY, TUNA FISH, PEELED TOMATOES, TOMATO PASTE, PEAS, AND STRING BEANS. MIGLIORETTI BROTHERS, also doing business as Lincoln Wine Company and Embros Wine Company, Baltimore, Md.
Filed October 25, 1941. Serial No. 448,111. PUBLISHED DECEMBER 30, 1941. Class 46.

393,954. LECITHIN FILLED COOKIES. AMERICAN LECITHIN COMPANY, Cleveland, Ohio.
Filed October 27, 1941. Serial No. 448,127. PUBLISHED DECEMBER 30, 1941. Class 46.

393,955. CANNED FRUITS, VEGETABLES, SPAGHETTI, TOMATO SOUP, PEANUT BUTTER, TOMATO CATSUP, SPANISH OLIVES, SALAD DRESSING, VINEGAR, AND SWEET PICKLES. THE C. D. KENNY COMPANY, Baltimore, Md.
Filed October 27, 1941. Serial No. 448,139. PUBLISHED DECEMBER 30, 1941. Class 46.

393,956. MEDICINE IN THE NATURE OF A GENERAL HUMAN TONIC OR ALTERATIVE. PERRY BARNES OLDHAM, Austin, Tex.
Filed October 28, 1941. Serial No. 448,203. PUBLISHED DECEMBER 23, 1941. Class 6.

393,957. CHEMICALLY COMPOUNDED SOLVENT FOR DEGREASING, CLEANING AND LUBRICATING ALL TYPES OF METAL PARTS, MACHINERY, AND THE LIKE. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed October 28, 1941. Serial No. 448,212. PUBLISHED DECEMBER 30, 1941. Class 6.

393,958. COMIC DRAWINGS, PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS. NEA SERVICE, INC., Cleveland, Ohio.
Filed October 29, 1941. Serial No. 448,227. PUBLISHED DECEMBER 30, 1941. Class 38.

393,959. COTTON AND/OR RAYON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed October 30, 1941. Serial No. 448,258. PUBLISHED DECEMBER 23, 1941. Class 42.

393,960. WOVEN, KNITTED, NETTED TEXTILE AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF NYLON. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 31, 1941. Serial No. 448,279. PUBLISHED DECEMBER 23, 1941. Class 42.

393,961. CONCRETE JOISTS AND CONCRETE BUILDING BLOCKS. CONCRETE BUILDING UNITS COMPANY, Kansas City, Mo.
Filed October 31, 1941. Serial No. 448,282. PUBLISHED DECEMBER 23, 1941. Class 12.

393,962. NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. LEROY O. SCHNEEBERGER, doing business as Bubble Up Company, St. Louis, Mo.
Filed October 31, 1941. Serial No. 448,304. PUBLISHED DECEMBER 23, 1941. Class 45.

393,963. MALT BEVERAGES. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind.
Filed November 1, 1941. Serial No. 448,312. PUBLISHED DECEMBER 23, 1941. Class 48.

393,964. CANNED PROCESSED DEHYDRATED CRANBERRIES. COLLEY CRANBERRY COMPANY, Plymouth, Mass.
Filed November 1, 1941. Serial No. 448,315. PUBLISHED DECEMBER 30, 1941. Class 46.

393,965. LIPSTICK. DERMETICS, INC., Seattle, Wash.
Filed November 1, 1941. Serial No. 448,316. PUBLISHED DECEMBER 30, 1941. Class 6.

393,966. NON-ALCOHOLIC MALTLESS BEVERAGES. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y.
Filed November 3, 1941. Serial No. 448,357. PUBLISHED DECEMBER 23, 1941. Class 45.

393,967. CANNED SOUPS. FRANCIS CASTELLI, doing business as Bon Vivant Company, New York, N. Y.
Filed November 3, 1941. Serial No. 448,358. PUBLISHED DECEMBER 30, 1941. Class 46.

393,968. PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, TALCUM, FACE AND BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed November 4, 1941. Serial No. 448,395. PUBLISHED DECEMBER 30, 1941. Class 6.

393,969. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 4, 1941. Serial No. 448,400. PUBLISHED DECEMBER 23, 1941. Class 6.

393,970. TOILET SOAP. JAMES L. YOUNGHUSBAND, Chicago, Ill.
Filed November 8, 1941. Serial No. 448,487. PUBLISHED DECEMBER 30, 1941. Class 4.

393,971. LUMINESCENT COMPOSITIONS. LUCIPHOR, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,567. PUBLISHED DECEMBER 30, 1941. Class 6.

393,972. RESPIRATOR CARTRIDGES. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa.
Filed November 12, 1941. Serial No. 448,571. PUBLISHED DECEMBER 30, 1941. Class 44.

393,973. PERFUMES AND TOILET WATER. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed November 13, 1941. Serial No. 448,601. PUBLISHED DECEMBER 30, 1941. Class 6.

393,974. NON-ALCOHOLIC MALT BEVERAGE. ALFONSO ORTIZ, Long Island City, N. Y.
Filed November 13, 1941. Serial No. 448,620. PUBLISHED DECEMBER 30, 1941. Class 48.

393,975. CHEMICAL COMPOUNDS FOR WATERPROOFING FABRICS AND TEXTILES. INDUSTRIAL SYNTHETICS INCORPORATED, Newark, N. J.
Filed November 14, 1941. Serial No. 448,642. PUBLISHED DECEMBER 30, 1941. Class 6.

393,976. READY MIXED OR PASTE PAINTS AND WATER COLORS FOR PAINTING SIGNS AND GENERAL USE. ANTHONY P. SICKENBERGER, Birmingham, Mich.
Filed October 9, 1941. Serial No. 447,643. PUBLISHED DECEMBER 30, 1941. Class 16.

393,977. MAGAZINE PUBLISHED PERIODICALLY. CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y., Columbus, Ohio, and St. Louis, Mo.
Filed October 10, 1941. Serial No. 447,659. PUBLISHED DECEMBER 16, 1941. Class 38.

393,978. ANTISEPTIC, LINIMENT, AND COUNTER-IRRITANT, FOR THE SYMPTOMATIC RELIEF OF ATHLETE'S FOOT, EXTERNAL SKIN AILMENTS, MUSCULAR PAINS, CUTS, AND BRUISES. WALTER W. J. GOURLAY, Philadelphia, Pa.
Filed October 10, 1941. Serial No. 447,661. PUBLISHED DECEMBER 23, 1941. Class 6.

393,979. COMBINATION MASCARA PREPARATION, APPLICATOR, AND EYELASH CURLER. ARTHUR O. HANISCH, doing business as General Cosmetics Company, Pasadena, Calif.
Filed October 10, 1941. Serial No. 447,662. PUBLISHED DECEMBER 23, 1941. Class 6.

393,980. GOLF CLUBS. HARRY C. LEE & CO., INC., New York, N. Y.
Filed November 15, 1941. Serial No. 448,677. PUBLISHED DECEMBER 30, 1941. Class 22.

393,981. GOLF CLUBS. HARRY C. LEE & CO., INC., New York, N. Y.
Filed November 15, 1941. Serial No. 448,678 PUBLISHED DECEMBER 30, 1941. Class 22.

393,982. SALVE FOR THE TREATMENT OF BURNS. MAY ROTHSTEIN, Wilkes-Barre, Pa.
Filed November 17, 1941. Serial No. 448,708. PUBLISHED DECEMBER 30, 1941. Class 6.

393,983. OSMIUM BASE ALLOY. F. E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill.
Filed October 11, 1941. Serial No. 447,715. PUBLISHED DECEMBER 30, 1941. Class 14.

393,984. MAGAZINE. DETECTIVE COMICS, INC., New York, N. Y.
Filed October 13, 1941. Serial No. 447,725. PUBLISHED DECEMBER 16, 1941. Class 38.

393,985. MAGAZINE. DETECTIVE COMICS, INC., New York, N. Y.
Filed October 13, 1941. Serial No. 447,726. PUBLISHED DECEMBER 16, 1941. Class 38.

393,986. LIVING ROOM, BED ROOM, AND DINING ROOM FURNITURE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,733. PUBLISHED DECEMBER 30, 1941. Class 32.

393,987. GARMENT BAGS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed November 18, 1941. Serial No. 448,737. PUBLISHED DECEMBER 30, 1941. Class 2.

393,988. MOTH-PROOFING COMPOSITION. ZONITE PRODUCTS CORPORATION, New York, N. Y.
Filed October 13, 1941. Serial No. 447,774. PUBLISHED DECEMBER 30, 1941. Class 6.

393,989. MOTH-PROOFING COMPOSITION. ZONITE PRODUCTS CORPORATION, New York, N. Y.
Filed October 13, 1941. Serial No. 447,775. PUBLISHED DECEMBER 30, 1941. Class 6.

393,990. SECTION OF A NEWSPAPER. WARREN BROWN, Chicago, Ill.
Filed November 21, 1941. Serial No. 448,779. PUBLISHED DECEMBER 30, 1941. Class 38.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

393,991. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) EDMUND T. LEDNUM, doing business as International Torpedo Co., Chicago, Ill. Filed June 20, 1939. Serial No. 420,720.

RANUM

FOR TORPEDOES.
Claims use since Aug. 6, 1937.

393,992. (CLASS 48. MALT BEVERAGES AND LIQUORS.) GENERAL BREWING CORPORATION, San Francisco, Calif. Filed Aug. 16, 1940. Serial No. 435,056.

AGE DATED

FOR MALT CEREAL BEVERAGES—NAMELY, BEER AND ALE.
Claims use since October, 1934.

393,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA, Brattleboro, Vt. Filed Aug. 23, 1940. Serial No. 435,296.



FOR FRESH MILK AND CREAM.
Claims use since July 24, 1940.

393,994. (CLASS 38. PRINTS AND PUBLICATIONS.) SCOTT PAPER COMPANY, Chester, Pa. Filed Sept. 24, 1940. Serial No. 436,322.

WASHROOM ADVISORY SERVICE

FOR A BULLETIN IN THE NATURE OF A HOUSE ORGAN.
Claims use since May 10, 1938.

393,995. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Dec. 5, 1940. Serial No. 438,543.

UNDERGARD

FOR DRESS SHIELDS ATTACHED TO A GUIMPE.
Claims use since Nov. 26, 1940.

393,996. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Dec. 9, 1940. Serial No. 438,655.

BOLERO

FOR DRESS SHIELDS ATTACHED TO A BODICE, AND DRESS SHIELDS.
Claims use since Nov. 26, 1940.

393,997. (CLASS 38. PRINTS AND PUBLICATIONS.) RETAIL PUBLICATIONS, INC., Cleveland, Ohio. Filed Dec. 17, 1940. Serial No. 438,960.

~~Department Store~~ SELLING

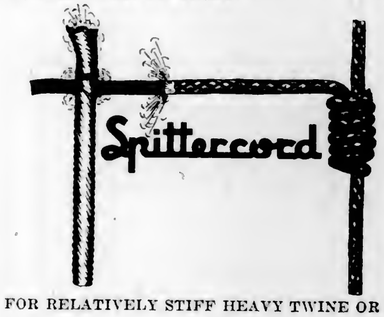
FOR A PUBLICATION DIRECTED TO THE FIELD OF RETAIL SALES PUBLISHED MONTHLY OR FROM TIME TO TIME.
Claims use since Oct. 9, 1940.

393,998. (CLASS 38. PRINTS AND PUBLICATIONS.) GOOD FOOD PUBLISHING CO., Chicago, Ill. Filed Dec. 26, 1940. Serial No. 439,198.

GOOD FOOD

FOR A MAGAZINE PUBLISHED MONTHLY.
Claims use since Nov. 13, 1940.

393,999. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) COAST MANUFACTURING & SUPPLY CO., Livermore, Calif. Filed Jan. 31, 1941. Serial No. 440,149.



FOR RELATIVELY STIFF HEAVY TWINE OR CORD COMPOSED MAINLY OF TEXTILE FIBRES COATED WITH A COMPOSITION THAT BURNS AT A CONTROLLED RATE OF SPEED, AND USED FOR IGNITING ANY IGNITABLE ARTICLES IN CONTACT THEREWITH, SUCH AS A CHARGE OF EXPLOSIVE, OR USED FOR IGNITING SAFETY FUSES OR THE LIKE.
Claims use since Jan. 8, 1941.

394,000. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE SUNLITE MFG. COMPANY, Milwaukee, Wis. Filed Apr. 14, 1941. Serial No. 442,575.

COPPER-COTE

FOR IRONING PADS.
Claims use since Jan. 25, 1941.

394,001. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITSON PRODUCTS CO. INC., New York, and Brooklyn, N. Y. Filed June 25, 1941. Serial No. 444,844.



FOR COCOA MIX CONTAINING COCOA, SKIM MILK, MALT EXTRACT, SALT AND FLAVOR.
Claims use since Jan. 18, 1939.

394,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRUIT BELT PRESERVING COMPANY, East Williamson, N. Y. Filed July 29, 1941. Serial No. 445,721.

APPLE-TRU

FOR CANNED APPLES.
Claims use since Jan. 17, 1941.

394,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. FRED OBRECHT, doing business as Malt-O-Milk Co., Baltimore, Md. Filed Aug. 6, 1941. Serial No. 446,028.



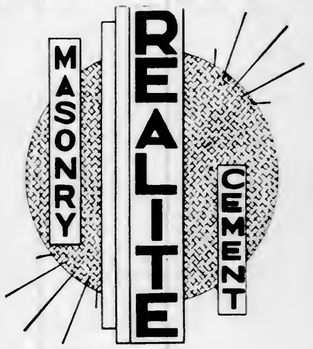
FOR POULTRY FEED.
Claims use since 1931.

394,004. (CLASS 38. PRINTS AND PUBLICATIONS.) ATLAS PUBLISHING COMPANY, New York, N. Y. Filed Sept. 30, 1941. Serial No. 447,424.

Federal Purchasing Record

FOR PERIODICAL PUBLICATION ONLY.
Claims use since Sept. 1, 1940.

394,005. (CLASS 12. CONSTRUCTION MATERIALS.) HOWARD MCCUTCHEON THOMAS, doing business as Fort Scott Hydraulic Cement Company, Fort Scott, Kans. Filed Oct. 9, 1941. Serial No. 447,649.



FOR MASONRY CEMENT.
Claims use since September, 1939.

394,006. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL SCHOOLS COMPANY OF LATIN AMERICA, Scranton, Pa. Filed Oct. 29, 1941. Serial No. 448,222.

Escuelas Internacionales de la América Latina

FOR PRINTED LESSON SHEETS, PRINTED BOOKS, PRINTED MANUALS AND PRINTED PAMPHLETS.
Claims use since Jan. 21, 1913.

394,007. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL SCHOOLS COMPANY OF LATIN AMERICA, Scranton, Pa. Filed Oct. 29, 1941. Serial No. 448,223.

International Schools of Latin America

FOR PRINTED LESSON SHEETS, PRINTED BOOKS, PRINTED MANUALS AND PRINTED PAMPHLETS.
Claims use since Jan. 21, 1913.

394,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt. Filed Oct. 31, 1941. Serial No. 448,283.

AMERICAN HORSE TONIC

FOR HORSE TONIC.
Claims use since Jan. 1, 1912.

394,009. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt. Filed Oct. 31, 1941. Serial No. 448,286.

Horse Comfort

FOR LINIMENT IN PROMOTING HEALING OF SORES, CUTS, SORE SHOULDERS, AND LIKE AILMENTS OF HORSES.
Claims use since Dec. 11, 1911.

394,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY AKIN, Austin, Tex. Filed Nov. 4, 1941. Serial No. 448,378.



FOR HAMBURGER SANDWICHES.
Claims use since Apr. 6, 1934.

394,011. (CLASS 12. CONSTRUCTION MATERIALS.) MANHATTAN TERRAZZO BRASS STRIP CO., INC., New York, N. Y. Filed Nov. 25, 1941. Serial No. 448,916.

Manhattan

FOR DIVIDING STRIPS OR OTHER FORMED PIECES, WHETHER OF METAL OR OTHER MATERIAL, SUCH AS ARE USED IN OR ON TERRAZZO OR COMPOSITION OR CEMENT FLOORS OR WALLS.
Claims use since Jan. 1, 1926.

394,012. (CLASS 48. MALT BEVERAGES AND LIQUORS.) RUDOLPH CAIRONE, Pelham, N. Y. Filed Nov. 27, 1941. Serial No. 448,962.

OLD-MULLIGAN

FOR POTABLE ALCOHOLIC EXTRACT FOR USE IN BEER AND ALE.
Claims use since Jan. 3, 1939.

394,013. (CLASS 5. ADHESIVES.) COMPO SHOE MACHINERY CORPORATION, Boston, Mass. Filed Dec. 13, 1941. Serial No. 449,444.



FOR ADHESIVE SHOE CEMENT.
Claims use since Aug. 30, 1940.

394,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRATT FOOD COMPANY, Philadelphia, Pa. Filed Dec. 26, 1941. Serial No. 449,780.

Pratts

FOR LIVESTOCK AND POULTRY MEDICINES, INSECTICIDES, AND DISINFECTANTS.
Claims use since 1906.

394,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KEEVER STARCH COMPANY, Columbus, Ohio Filed Jan. 6, 1942. Serial No. 450,013.



FOR STARCH FOR LAUNDRY PURPOSES.
Claims use since July 1, 1933.

TRADE-MARK REGISTRATIONS RENEWED

21,432. **WING KEE.** TEA. Registered July 12, 1892. L. H. PARKE & Co. Re-renewed July 12, 1942, to L. H. Parke Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

146,644. **UNION HORLOGÈRE.** WATCHES. Registered July 12, 1921. UNION HORLOGÈRE S. A., Bienne, Switzerland. Renewed July 12, 1942, to Alpina Union Horlogère A. G., Biel, Switzerland, a corporation of Switzerland, by changes of name.

150,351. **EU-CA-TOL.** EMOLLIENT ANTISEPTIC MEDICINE. Registered January 3, 1922. EUCATOL COMPANY, not incorporated, Quincy, Ill., a firm. Renewed January 3, 1942.

150,851. **RAMADA.** CERTAIN ARTICLES OF CLOTHING. Registered January 10, 1922. WILLIAM HOLLINS & COMPANY, LIMITED, London and Mansfield, England. Renewed January 10, 1942, to William Hollins & Company, Limited, Nottingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

151,113. **DE LA VERGNE.** ICE MAKING AND REFRIGERATING MACHINERY. Registered January 24, 1922. DE LA VERGNE MACHINE COMPANY, New York, N. Y. Renewed January 24, 1942, to Baldwin De La Vergne Sales Corporation, Eddystone, Pa., a corporation of New York, assignee by mesne assignments.

151,351. **CREDO LIGHTS.** CANDLES. Registered January 31, 1922. THE NORTON COMPANY, INC., Jersey City, N. J. Renewed January 31, 1942, to Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y., a corporation of New York, assignee.

151,622. **VICK'S NUWUD.** MATERIAL FOR FILLING CAVITIES IN TREES. Registered February 7, 1922. ALBERT F. W. VICK, Philadelphia, Pa. Renewed February 7, 1942, to Albert F. W. Vick, Cynwyd, Pa.

151,733. **DUTCH KITCHEN.** SAUSAGE, POTTED MEATS AND CEREALS, CORNED-BEEF HASH. Registered February 14, 1922. JACOB E. DECKER & SONS, Mason City, Iowa. Renewed February 14, 1942, to Armour and Company, Chicago, Ill., a corporation of Illinois, assignee.

151,761. **SHASTA.** TEA AND COFFEE. Registered February 14, 1922. J. A. FOLGER & CO., San Francisco, Calif., a corporation of California. Renewed February 14, 1942.

151,765. **PINE APPLE.** LARD AND DRY SALT AND SWEET-PICKLED PORK. Registered February 14, 1922. FOWLER PACKING COMPANY, Kansas City, Kans. Renewed February 14, 1942, to Armour and Company, Chicago, Ill., a corporation of Illinois, assignee.

151,916. **SEAL OF AMERICA.** WHEAT FLOUR. Registered February 14, 1922. THE FRANK R. PRINA CORPORATION, New York, N. Y., a corporation of New York. Renewed February 14, 1942.

151,995. **MONITOR.** CERTAIN ARTICLES OF CLOTHING. Registered February 14, 1922. WALKER STETSON COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed February 14, 1942.

152,114. **WM ANDERSON.** CERTAIN NAMED TEXTILE FABRICS IN THE PIECE. Registered February 21, 1922. WM. ANDERSON TEXTILE MFG. CO. Renewed February 21, 1942, to Wm. Anderson Textile Mfg. Co., Ltd., New York, N. Y., a corporation of New York, successor.

152,144. **FERRASAL.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered February 21, 1922. CROWN REMEDY COMPANY. Renewed February 21, 1942, to Wirt Davis, Dallas, Tex., successor.

152,206. **SATINETTE.** LAUNDRY STARCH. Registered February 21, 1922. THE KEEVER STARCH COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed February 21, 1942.

152,219. **DERRISOL.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered February 21, 1922. MCDOUGALL & YALDING LTD., Yalding, England. Renewed February 21, 1942, to William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

152,220. **DERRISINE.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered February 21, 1922. MCDOUGALL & YALDING LTD., Yalding, England. Renewed February 21, 1942, to William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

152,295. **WECO.** HAIR NETS. Registered February 21, 1922. WESTERN BOTTLE MANUFACTURING COMPANY. Renewed February 21, 1942, to Weco Products Company, Chicago, Ill., a corporation of Illinois, by change of name.

152,432. **DEERING.** CERTAIN AGRICULTURAL MACHINERY AND TRACTORS AND TRACTOR HITCHES. Registered February 28, 1922. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed February 28, 1942.

152,433. **McCORMICK.** CERTAIN AGRICULTURAL MACHINERY AND TRACTORS AND TRACTOR HITCHES. Registered February 28, 1922. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed February 28, 1942.

152,655. **ABC.** IRONING MACHINES. Registered March 7, 1922. ALTORFER BROS. COMPANY, East Peoria, Ill., a corporation of Illinois. Renewed March 7, 1942.

152,977. **AJAX.** WHEAT FLOUR. Registered March 7, 1922. RUSSELL-MILLER MILLING CO. Renewed March 7, 1942, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

153,639. **ARENCO.** CERTAIN PULVEROUS-MATTER PACKING MACHINES AND ENVELOPE AND BAG, LITHOGRAPHICAL, MATCH, AND BOX MACHINES. Registered March 28, 1922. AKTIEBOLAGET GERH. AREHNS MEKANISKA VERKSTAD, Stockholm, Sweden, a corporation of Sweden. Renewed March 28, 1942.

154,075. **VIKING.** CERTAIN NAMED CORDS, TWINES, AND ROPES. Registered April 4, 1922. HENRY C. KELLEY COMPANY. Renewed April 4, 1942, to The Grady-Travers Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

154,178. **ORO.** TOOTHBRUSHES. Registered April 4, 1922. WESTERN BOTTLE MANUFACTURING COMPANY. Renewed April 4, 1942, to Weco Products Company, Chicago, Ill., a corporation of Illinois, by change of name.

154,179. **WECO.** TOOTH, HAIR, NAIL, CLOTH, HAT, AND FACE BRUSHES. Registered April 4, 1922. WESTERN BOTTLE MANUFACTURING COMPANY. Renewed April 4, 1942, to Weco Products Company, Chicago, Ill., a corporation of Illinois, by change of name.

154,317. **DERROX.** FUNGICIDES, INSECTICIDES, VERMICIDES, AND SIMILAR COMPOSITIONS. Registered April 11, 1922. MCDOUGALL & YALDING, LTD., Yalding, Kent, England. Renewed April 11, 1942, to William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

154,318. **DERRI.** FUNGICIDES, INSECTICIDES, VERMICIDES, AND SIMILAR COMPOSITIONS FOR DESTROYING LIFE DELETERIOUS TO PLANTS, TREES, FRUITS, ETC. Registered April 11, 1922. MCDOUGALL & YALDING, LTD., Yalding, Kent, England. Renewed April 11, 1942, to William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

154,573. **SPUR.** BOW NECKTIES. Registered April 18,1922. HEWES & POTTER. Renewed April 18, 1942, to Hewes & Potter Inc., Boston, Mass., a corporation of Massachusetts, assignee.

154,620. **NANCY ANN.** APRONS. Registered April 18, 1922. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed April 18, 1942.

155,724. **GEM.** FELT MATTRESSES. Registered June 6, 1922. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed June 6, 1942.

155,725. **ELITE.** FELT MATTRESSES. Registered June 6, 1922. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed June 6, 1942.

155,869. **SNUG-FUT.** FELT SLIPPERS. Registered June 6, 1922. HERMAN WILHELM. Renewed June 6, 1942, to Novelty Slipper Co. Inc., New York, N. Y., a corporation of New York, assignee.

156,259. **REPRESENTATION OF A CROSS AND SHIELD.** SHOE SOLES AND HEELS MADE OF OR CONTAINING RUBBER. Registered June 20, 1922. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. a corporation of Ohio. Renewed June 20, 1942.

156,293. **RODEO.** CERTAIN ARTICLES OF CLOTHING. Registered June 20, 1922. HICKS-HAYWARD COMPANY, El Paso, Tex., a corporation of Texas. Renewed June 20, 1942.

156,296. **HILLCO.** COTTON PIECE GOODS—NAMELY, COTTON TWILLS. Registered June 20, 1922. HILL MANUFACTURING CO. Renewed June 20, 1942, to Hill Manufacturing Co., Lewiston, Maine, a corporation of Massachusetts, assignee.

156,354. **MOSS.** LEATHER AND FABRIC GLOVES AND HOSIERY. Registered June 20, 1922. MOSS GLOVE & HOSIERY CO., San Francisco, Los Angeles, Oakland, Sacramento, Stockton, Fresno, Calif., and Denver, Colo. Renewed June 20, 1942, to Moss Stores, Inc., San Francisco, Calif., a corporation of Delaware, assignee by mesne assignments.

156,468. **SCOTCH MAID.** COTTON PIECE GOODS. Registered June 20, 1922. WHITTENTON MANUFACTURING COMPANY, Taunton, Mass., a corporation of Massachusetts. Renewed June 20, 1942.

156,606. **A AND REPRESENTATION OF A BELL.** CERTAIN NAMED JEWELRY. Registered July 11, 1922. ABEL BROS. & CO. INC., New York, N. Y., a corporation of New York. Renewed July 11, 1942.

156,690. **I.** MALLEABLE-IRON CASTINGS. Registered July 11, 1922. IOWA MALLEABLE IRON COMPANY, Fairfield, Iowa, a corporation of Iowa. Renewed July 11, 1942.

156,869. **ALL-IN-ONE.** TIRE RETREADS OF RUBBER AND FABRIC IN THE PIECE. Registered July 18, 1922. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed July 18, 1942.

156,876. **THE WEST INDIA MFG. CO.** NONALCOHOLIC, MALTLESS EXTRACTS, COLORS, AND FLAVORS FOR SOFT DRINKS. Registered July 18, 1922. ROBERT HEINRICHSHOFEN, doing business as The West India Mfg. Co. Renewed July 18, 1942, to Frank H. Gruer, St. Louis, Mo., successor.

156,902. **FERMENTONE.** MALT EXTRACT USED BY BAKERS FOR FOOD PURPOSES. Registered July 18, 1922. PABST CORPORATION, Milwaukee, Wis. Renewed July 18, 1942, to Pabst Brewing Company, Peoria Heights, Ill., a corporation of Delaware, assignee by mesne assignments.

156,977. **CILANDER TRANSPARENT.** COTTON, LINEN, AND HALF-SILK PIECE GOODS. Registered July 25, 1922. AKTIENGESELLSCHAFT CILANDER, Herisau, Switzerland, a corporation of Switzerland. Renewed July 25, 1942.

156,980. **CILANDER.** COTTON, LINEN, AND HALF-SILK PIECE GOODS. Registered July 25, 1922. AKTIENGESELLSCHAFT CILANDER, Herisau, Switzerland, a corporation of Switzerland. Renewed July 25, 1942.

156,990. **ARMSTRONG.** PIPE VISES AND STOCKS AND DIES FOR PIPE THREADING. Registered July 25, 1922. THE ARMSTRONG MANUFACTURING CO., Bridgeport, Conn., a corporation of Connecticut. Renewed July 25, 1942.

157,003. **BETHLEHEM.** SHEET STEEL. Registered July 25, 1922. BETHLEHEM STEEL COMPANY, Bethlehem, Pa., a corporation of Pennsylvania. Renewed July 25, 1942.

157,012. **BROWNBILT.** SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER AND OF FABRIC AND OF A COMBINATION THEREOF. Registered July 25, 1922. BROWN SHOE COMPANY, INC., St. Louis, Mo., a corporation of New York. Renewed July 25, 1942.

157,035. **McELROY-SLOAN'S DOUBLE LIFE.** MEN'S AND BOYS' SHOES OF LEATHER OR OF LEATHER AND FABRIC. Registered July 25, 1922. CRADDOCK-TERRY COMPANY. Renewed July 25, 1942, to Craddock-Terry Shoe Corp., Lynchburg, Va., a corporation of Virginia, assignee.

157,036. **DOLLY MADISON.** BED SHEETS, PILLOWCASES, AND BOLSTER CASES, KNOWN AS BED SETS. Registered July 25, 1922. ROYLE CRAVEN COMPANY. Renewed July 25, 1942, to George Royle & Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

157,041. **DEFENDER PHOTO-WRIT.** PHOTOGRAPHIC PAPER. Registered July 25, 1922. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y., a corporation of New York. Renewed July 25, 1942.

157,052. **WEARITE.** RUBBER SOLES AND HEELS. Registered July 25, 1922. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed July 25, 1942.

157,066. **FRAIM.** LOCKS, LATCHES, AND PADLOCKS. Registered July 25, 1922. THE E. T. FRAIM LOCK COMPANY, Lancaster, Pa., a corporation of Pennsylvania. Renewed July 25, 1942.

157,089. **NATURES-WAY.** BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER AND CLOTH. Registered July 25, 1922. J. J. GROVER'S SONS COMPANY, Lynn, Mass. Renewed July 25, 1942, to J. J. Grover Shoe Company, Boston, Mass., a corporation of Massachusetts, assignee.

157,091. **GALAHAD.** FIRE FENDERS, FURNACE BARS. Registered July 25, 1922. HADFIELDS LIMITED, Sheffield, England, a British corporation. Renewed July 25, 1942.

157,092. **HALL-MARKED.** LEATHER SHOES. Registered July 25, 1922. J. S. HALL'S SONS, Knoxville, Tenn. Renewed July 25, 1942, to Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York, assignee.

157,120. **SANTALETTE.** WOMEN'S UNDERGARMENTS, AND SANITARY PANTALETTES. Registered July 25, 1922. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed July 25, 1942.

157,128. **SEALTYTE.** CERTAIN NAMED PIECE GOODS. Registered July 25, 1922. LEWIS MANUFACTURING CO. Renewed July 25, 1942, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts, assignee by mesne assignments.

157,170. **PANGBURN'S.** CANDIES AND ICE CREAM. Registered July 25, 1922. PANGBURN COMPANY, INC., Fort Worth, Tex., a corporation of Texas. Renewed July 25, 1942.

157,177. **LITTLE QUEEN.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered July 25, 1922. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed July 25, 1942, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

157,178. **GROWING QUEEN.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered July 25, 1922. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed July 25, 1942, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

157,212. **JACK TAR TOGS.** WOMEN'S, MISSES', AND CHILDREN'S SUITS, DRESSES, COATS, SKIRTS, BLOUSES, WAISTS, GYMNASIUM SUITS, BLOOMERS, AND BOYS' SUITS. Registered July 25, 1922. THE STROUSE-BAER CO., Baltimore, Md., a corporation of Maryland. Renewed July 25, 1942.

157,238. **ARMORY.** FRUIT-JAR RINGS. Registered July 25, 1922. WALKER-MATTESON COMPANY. Renewed July 25, 1942, to Holmstrom-Pilcher Co., Joliet, Ill., a corporation of Illinois, assignee.

157,239. **ARMORY.** CIGARS. Registered July 25, 1922. WALKER-MATTESON COMPANY. Renewed July 25, 1942, to Holmstrom-Pilcher Co., Joliet, Ill., a corporation of Illinois, assignee.

157,244. **COLUMBIA.** BICYCLES AND PARTS THEREOF. Registered July 25, 1922. WESTFIELD MANUFACTURING COMPANY. Renewed July 25, 1942, to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts, assignee.

157,245. **WHITING'S SUPERFINE.** WRITING PAPERS AND MAILING ENVELOPES. Registered July 25, 1922. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed July 25, 1942.

157,248. **WINCROFT.** GAS AND COAL STOVES. Registered July 25, 1922. WINCROFT STOVE WORKS, Middletown, Pa., a corporation of Pennsylvania. Renewed July 25, 1942.

REISSUES

MARCH 10, 1942

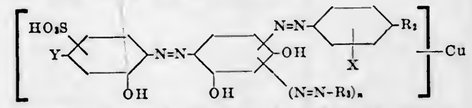
22,046
AZO DYESTUFFS CONTAINING A HEAVY METAL IN COMPLEX FORM

Ernst Fellmer, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Original No. 2,111,559, dated March 22, 1938, Serial No. 753,785, November 25, 1933. Application for reissue November 26, 1940, Serial No. 367,297. In Germany November 25, 1933

8 Claims. (Cl. 260—148)

1. Azo dyestuffs containing copper in complex form of the general formula:



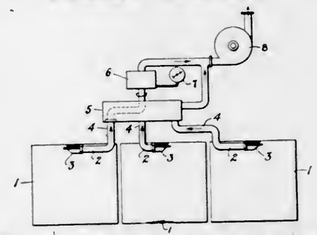
wherein X stands for a member of the group consisting of hydrogen, sulfonic acid, and amino groups, Y stands for a member of the group consisting of hydrogen and NO_2, R_2 stands for a member of the group consisting of NO_2 and a benzthiazole radical, R_3 stands for a radical of a diazotization component of the benzene series free from azo groups, and n stands for one of the numbers 0 and 1, being in the form of their alkali metal salts generally dark, watersoluble powders, dyeing leather generally even shades of excellent fastness to light.

22,047
SMOKE ACCUMULATOR FOR FIRE DETECTING SYSTEMS

Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Original No. 2,232,225, dated February 18, 1941, Serial No. 255,607, February 10, 1939. Application for reissue February 25, 1941, Serial No. 380,518

9 Claims. (Cl. 98—115)



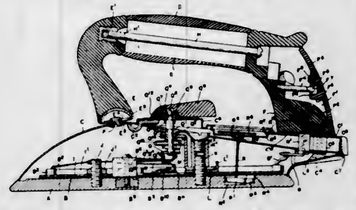
1. A fluid medium suction intake device, comprising a body formed with a passage and adapted to be coupled to a fluid medium suction conduit secured adjacent to a flat surface, a circular cover member on said body adapted to lie flat against the said surface adjacent said conduit, and a circular trough-like second member on the body underlying the first member and spaced from said cover member in one plane along its largest circumference, having along said circumference a fluid medium guiding projection parallel to the first member and of a larger diameter than said first named member.

22,048
ELECTRIC IRON

Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan

Original No. 2,235,891, dated March 25, 1941, Serial No. 327,306, April 1, 1940. Application for reissue September 29, 1941, Serial No. 412,915

11 Claims. (Cl. 219—25)



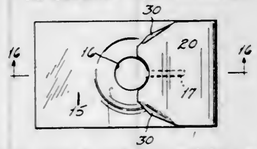
1. An electric laundry iron of streamline contour comprising a base, an electrical heating unit therefor above the same, a hood covering said base and unit and extending rearward therefrom to form an overhanging portion, and a handle connected to said hood including spaced columns both inclining forwardly in an upward direction and having a handhold connecting said columns inclining slightly downward toward the rear, said rear column rising from said overhanging portion and together therewith constituting a support for holding the iron when out of use in rearwardly inclined upright position.

22,049
SPRING FASTENER

George A. Tinnerman, Cleveland, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original No. 2,239,797, dated April 29, 1941, Serial No. 103,516, October 1, 1936. Application for reissue September 17, 1941, Serial No. 411,263

14 Claims. (Cl. 85—36)

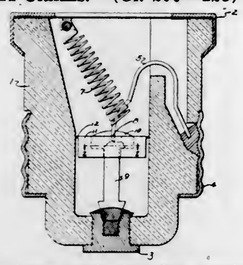


7. A sheet metal nut comprising a body with an opening for the passage of a threaded bolt, the body being warped about the opening to provide a thread, and a leaf formed by bending the body over at an acute angle to itself, so that two thread engaging arms are provided springing from different regions and of different length so that the ends of the arms move in different arcs as the bolt is tightened.

PATENTS

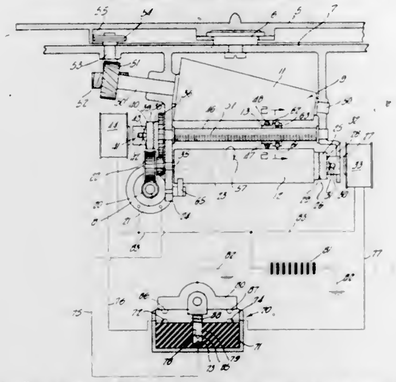
GRANTED MARCH 10, 1942

2,275,403
ELECTRICAL PROTECTIVE DEVICE
Henry T. Bussmann, St. Louis, Mo.
Application April 25, 1938, Serial No. 204,206
11 Claims. (Cl. 200—123)



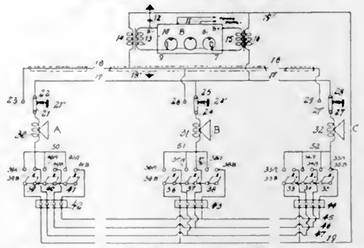
5. A plug type protector for electric circuits comprising a contact member in the bottom thereof, a contact member in the side wall thereof, a heating member consisting of a metal stamping rigidly mounted on the bottom contact member, a fuse link in series connection with the heating member and the side contact member, heat softenable material normally maintaining said series connection, circuit-opening means substantially free from current flow therethrough to break said series connection by moving a portion of the fuse link away from the heating member when the heat softenable material has been heated to a predetermined temperature, and heat-absorbing means arranged to conduct heat from the heat softenable material to retard its rate of temperature rise, said heating member being free of bending by the circuit-opening means.

2,275,404
PHONOGRAPH DRIVE
Frederick D. Banning, Los Angeles, Calif., assignor, by mesne assignments, to Memovox, Inc., Beverly Hills, Calif., a corporation of Ohio
Application December 23, 1939, Serial No. 310,853
8 Claims. (Cl. 74—393)



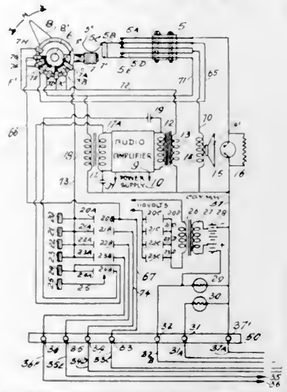
1. In a variable ratio transmission, a pair of rollers having diverging axes, an idler engaging the surfaces of said rollers and forming a driving connection between the rollers, means to drive one of said rollers, means whereby the other roller is operatively connected to a load, and means including a threaded member to cause the idler to advance along the surfaces of the rollers as a function of the rotation of said rollers.

2,275,405
INTERCOMMUNICATION SYSTEM
Fred Berhley, Astoria, Long Island, N. Y., assignor of forty per cent to Maxwell E. Sparrow, New York, N. Y.
Application February 3, 1940, Serial No. 317,149
16 Claims. (Cl. 179—40)



1. In an intercommunication system, the combination of a central amplifier, a plurality of remotely located stations, each of said stations having loud speaker means adapted for receiving and transmitting, and switch means at each of said stations for controlling communication circuits between stations, through their respective loud speaker means and said central amplifier, said switch means being operable to a position in which communication circuits are closed between stations.

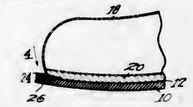
2,275,406
INTERCOMMUNICATION SYSTEM
Fred Berhley, Astoria, Long Island, N. Y., assignor of forty per cent to Maxwell E. Sparrow, New York, N. Y.
Application December 14, 1939, Serial No. 309,202
14 Claims. (Cl. 179—1)



1. In an intercommunication system the combination including a plurality of stations each station having loud speaker means, amplifying

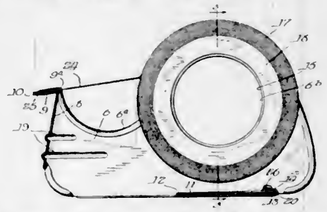
means and an earphone; means for using the loud speaker means of each station as a transmitter, said amplifying means of one station for amplifying the signal of said one station and simultaneously reproducing said signal in the earphones of the remaining stations, means for selecting for communication any one of the said remaining stations, and indicating means for each of said stations for indicating the origin of a signal from any of said plurality of stations.

2,275,407
SHOE
Ernest A. Bickford, Worcester, Mass., assignor to Wiley-Bickford-Sweet Corporation, Worcester, Mass., a corporation of Massachusetts
Application November 28, 1939, Serial No. 306,532
1 Claim. (Cl. 36—14)



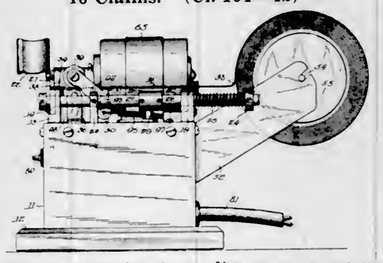
As an article of manufacture, a shoe having an outer sole comprising a relatively heavy layer of rubber and a sheet of coarse, loosely woven fabric material pressed directly into the upper surface of said layer, said fabric being adhesively and mechanically held to the rubber and extending substantially over the entire surface thereof and to its edges, a shoe upper having an insole, said upper extending for a short distance in under the periphery of said insole, a strip of cellulose or the like glue spread on the fabric material at the edges of the outer sole in position to contact that portion of the upper which extends under the insole, a separate leather welt strip secured in position on the fabric material around the upper at its junction with the outer sole, said strip of glue serving to locate and hold said welt strip as well as the upper, said welt extending laterally from said junction to the edge of the outer sole, a line of stitching extending thru said outer sole, fabric, and welt strip to closely press the latter into very intimate contact with the fabric, and including cut ends of the fabric, whereby said stitching prevents raveling of said fabric both per se and because of its pressing action on the glue which forces the latter to permeate and spread into and between the strands of the fabric.

2,275,408
TAPE DISPENSER
Charles C. Alliss, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application July 22, 1940, Serial No. 346,742
10 Claims. (Cl. 242—55.5)



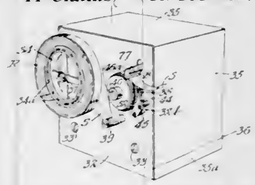
1. A device for dispensing adhesive tape of the pressure-sensitive type comprising a front and two side members formed from a single piece of sheet material, said side members being provided with means for revolubly supporting a roll of said tape, a severing element mounted on said front member and spaced from said roll supporting means, said severing element including a cutting edge and an exposed surface, positioned adjacent the path of said tape between said roll supporting means and said cutting edge, to which said tape will lightly and detachably adhere by reason of its pressure-sensitive coating, said side members being normally positioned in spaced relationship and adapted to be spread radially from their junctures with the front member, to permit removal and replacement of said tape roll, and releasable catch members adapted to retain said side members in normal spaced relationship and permit limited spreading thereof.

2,275,409
ADHESIVE TAPE DISPENSER
Arthur A. Anderson, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 13, 1939, Serial No. 261,537
16 Claims. (Cl. 164—42)



1. In an adhesive tape dispenser, a normally open shearing means for cutting off predetermined unit lengths of the tape, driven roller means adapted to propel the tape forwardly from a roll thereof to and through the open shearing means, means for the controlled driving of said roller means including an electric motor, switching means actuated by the shearing means to start the motor upon the opening of the shearing means following the cutting off of tape and switching means actuated by the motor to stop the motor when the roller means has been driven sufficiently to propel a predetermined unit length of the tape in position for cutting off by subsequent operation of the shearing means.

2,275,410
AUTOMATIC ADHESIVE SHEET DISPENSER
Arthur A. Anderson, Rose Township, Ramsey County, and Ralph H. Munson, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application February 24, 1941, Serial No. 380,116
11 Claims. (Cl. 164—39)



1. In combination in a motor operated tape dispenser, driven means for advancing tape, tape severing means located to permit advanced tape

to be cut off, one-way intermittent driving means for the tape advancing means adapted to advance the tape an accurate predetermined amount followed by an idling period during which no tape advance occurs even with the motor in operation, means for automatically terminating operation of the driving means after a predetermined length of tape has been advanced and during the idling period, and means for automatically initiating operation of said driving means upon severing of the tape, so that the severing of tape is automatically followed by the advance of an accurate predetermined length of tape into position for severing.

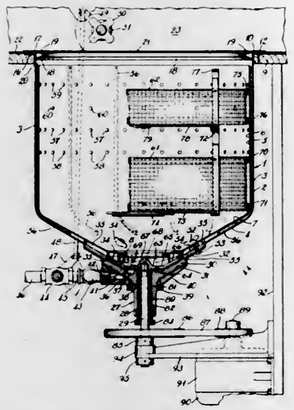
2,275,411

DISHWASHER

Marselius T. Ashe, Garden City, N. Y.

Application June 7, 1939, Serial No. 277,815

1 Claim. (Cl. 141—9)



A dish washer including two nested containers, narrow baffles formed between said containers to space the same from one another and form shallow passages, each container having an upper cylindrical wall and a lower inwardly and downwardly tapering wall, the cylindrical wall of said inner container having a plurality of openings therein and the tapering wall of the inner container having a central opening at its lower end, an annular baffle spaced from the upper edge of said inner container, a bearing bracket operatively connected to the lower end of the tapering wall of the outer container, a vertically extending shaft journaled in said bracket, a driven pulley connected to the lower outer end of said shaft, a rotary agitator connected to the upper end of said shaft and having impeller blades extending beyond the outer edge of the central opening of the inner container and between the opposing faces of the tapering walls of said containers for exercising an outward pressure on the water received by said blades, the baffles between said container walls receiving the water so subjected to pressure by said blades and directing the same upwardly through said shallow passages to eject streams of water through said plurality of openings and for directing the water into engagement with said annular baffle to issue an inwardly directed stream of water into said inner container over the upper edge of the cylindrical wall of said inner container, said bearing bracket having an upwardly flaring portion disposed between said rotary agitator and the inner face of the flaring wall of said outer container and having a downwardly extending tubular extension, an outer bracket engaging the outer face of the flaring wall of said outer container and a nut screw-threadedly connected to the tubular extension of said bearing bracket and clamping said outer bracket and intervening flaring wall portion of said outer container between the flaring portion of said bearing bracket and said nut, the flaring portions of said bearing bracket and outer container and a portion of said outer bracket having registering communications, and a drain cock connected to said outer bracket in registration with the opening therein to control the drainage from said containers.

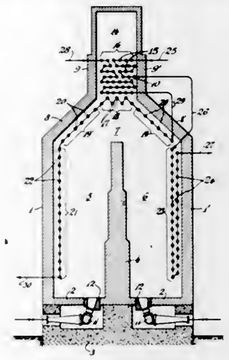
2,275,412

HEATING OF FLUIDS

Harold A. Becker, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 22, 1940, Serial No. 315,128

3 Claims. (Cl. 122—356)



1. A heater for fluids comprising, in combination, side and end walls defining the lower portion of a furnace, a central wall dividing said lower portion of the furnace into separate combustion zones, a pair of conversion walls defining the upper portion of the combustion zones, a fluid conduit comprising a substantially vertical row of horizontally disposed tubes located adjacent the inner surface of one of said side walls, a second fluid conduit comprising a plurality of substantially vertical rows of horizontally disposed tubes located adjacent the inner surface of the other side wall, a third fluid conduit comprising tubes adjacent each of said converging walls, means for directing flames and hot combustion gases upwardly through said combustion zones over opposite faces of said central wall, a fluid heating zone disposed above said central wall and in communication with said separate combustion zones, a fluid conduit comprising a plurality of rows of horizontally disposed tubes located within said fluid heating zone in the path of travel of combustion gases passing therethrough from said separate combustion zones, means for passing a stream of fluid to be heated in series through a portion of the tubes of the last named fluid conduit and thence in series through the tubes of said second fluid conduit and means for passing a separate stream of fluid to be separately heated through the remainder of the tubes of said last named fluid conduit, then through the tubes of said third conduit and thereafter in series through the tubes of the first named fluid conduit.

2,275,413

SULPHURIC DERIVATIVES OF ETHERS

Heinrich Bertsch, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 24, 1937, Serial No. 165,509. In Germany September 20, 1929

14 Claims. (Cl. 260—458)

1. The process of preparing wetting and dispersing agents comprising reacting a sulphonating and sulphating agent with an ether selected from the group consisting of the lower alkyl ethers of aliphatic unsaturated alcohols having more than eight carbon atoms and the lower alkyl ethers of aliphatic polyhydroxy alcohols having more than 8 carbon atoms, said ether having at least one free group esterifiable with sulphuric acid.

6. A composition of matter suitable as a wetting and dispersing agent comprising essentially sulphuric reaction products of a lower alkyl ether of an alcohol selected from the group consisting of aliphatic unsaturated alcohols and aliphatic polyhydroxy alcohols, said alcohol having more than eight carbon atoms.

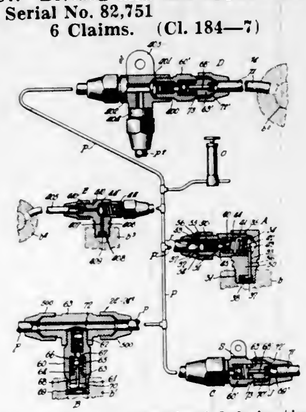
2,275,414

LUBRICATION

Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Original applications February 28, 1924, Serial No. 695,740, and January 27, 1932, Serial No. 589,287. Divided and this application June 1, 1936, Serial No. 82,751

6 Claims. (Cl. 184—7)



1. For use in a centralized lubricating installation to supply proportioned quantities of lubricant to a plurality of spaced bearings in and about a mechanism, said lubricating installation being of the type having a branched distributing tubing system having a plurality of separate conduits or tubing sections; means to connect together said conduits or tubing sections in the run of the system and support said system in part from said bearings, said means including a lubricant flow metering fitting combination connecting together and establishing communication between a plurality of conduits and supplying a metered portion of the lubricant passing through the conduits to a bearing structure to which it is attached and upon which it supports said conduits, said fitting comprising a metal stem, the end portions of which are formed into nipples and which is interiorly provided with a longitudinal passageway from end to end thereof substantially plugged by a flow metering instrumentality and a metal cap for said stem provided with a socket rigidly embracing and enclosing one of said nipples, with a plurality of passageways therethrough with centrally aligned axes at substantial angles to said longitudinal passageway and in communication with said longitudinal passageway through said socket from the place of juncture of said conduits and with coupling connections at the outer ends of said passageways enabling the rigid, liquid-tight attachment of said conduits, the other nipple being rigidly inserted into a socket in the bearing structure.

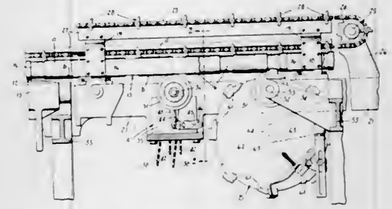
2,275,415

SOLDER WIPER MECHANISM

Daniel R. Boone, Portland, Oreg., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 7, 1939, Serial No. 260,400

5 Claims. (Cl. 113—97)



1. A solder wiping mechanism for soldering machines, comprising in combination: feeding devices for advancing along a path of travel can bodies having soldered side seams, an auxiliary wiper device adjacent said path of travel, means for shifting said wiper device into and out of engagement with the side seam of the passing can bodies in time with the movement of the latter, said shifting of said auxiliary wiper device being adapted to remove excess solder from the forward portion of less than the full length of the seam of each body, a master wiping device also disposed in the path of travel of the can bodies and operative in the same plane as said auxiliary wiper device for removing excess solder from the trailing portion of the body side seams left unwiped by said auxiliary wiper device, and means cooperating with said master wiping device for shielding the interior of the cans against the entrance of wiped solder thereinto.

2,275,416

BELLOWS TYPE SLUGGING FOOT VALVE FOR WELLS

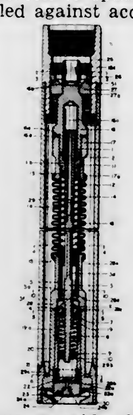
Alexander Boynton, San Antonio, Tex.

Application November 28, 1938, Serial No. 242,771

7 Claims. (Cl. 103—234)

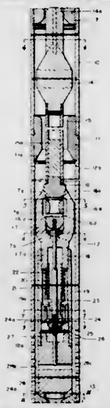
1. A device for lifting liquid from wells including a well casing, a tubing therein, means on said casing to seal about the upper end of said tubing, means to conduct pressure fluid to the interior of said casing, a plurality of flowing valves spaced apart along said tubing, a downwardly opening foot valve in and adjacent the lower end of said tubing, means supported in said tubing to hold said valve resiliently closed, bellows means connected therewith below the valve to be subjected to the pressure of well liquid rising within the tubing whereby said bellows means is compressible by fluid pressure of a predeter-

mined amount thereon to open said valve, said bellows being sealed against access of fluid into



the same and means on said valve to guide said valve to and from its seat.

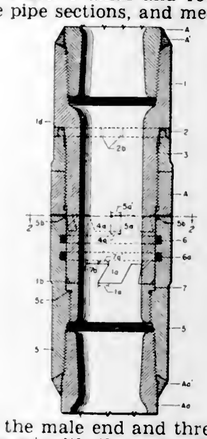
2,275,417
FOOT VALVE
Alexander Boynton, San Antonio, Tex.
Application November 28, 1938, Serial No. 242,775
13 Claims. (Cl. 103—234)



1. A foot valve for wells to control the periodic discharge of slugs of liquid including, an eduction pipe, a freely movable valve assembly closely fitted therein and adapted to be raised when the resistance to the flow of fluid through the pipe is sufficiently reduced, a seat to be engaged by said assembly to close the pipe, and a valve within said assembly to thereafter open upon the accumulation of a predetermined pressure therebelow so as to release the accumulated pressure thru said assembly whereby the assembly will drop away from said seat and the rate of flow will again increase until the resistance to flow again raises the assembly.

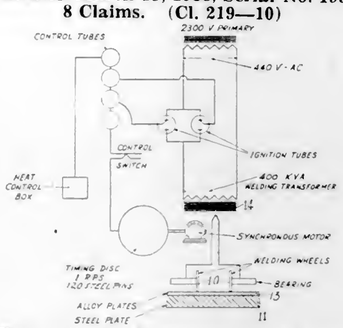
2,275,418
THREADLESS DRILL PIPE
Alexander Boynton, San Antonio, Tex.
Application July 17, 1939, Serial No. 284,893
9 Claims. (Cl. 285—146)

1. A pipe connection of the character described comprising interfitting male and female ends on the connected ends of pipe sections, the end of the male end and the interior of the female end having a plurality of complementary, axially extending, inclined segments adapted to be interengaged by relative axial and rotational movement of the pipe sections, and means threadedly



mounted on the male end and threadably moved into engagement with the end of the female end for locking the pipe ends against relative movement after the complementary segments are moved into interengagement.

2,275,419
METHOD OF WELDING
Otis Richard Carpenter, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 15, 1938, Serial No. 195,975
8 Claims. (Cl. 219—10)

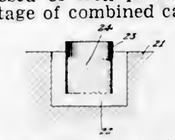


6. The method of manufacturing composite clad plate having a laminated metallic veneering of corrosion resistant metal consisting of the steps of disposing a plurality of thin sheets of corrosion resistant metal upon a thick base plate of weldable metal, said sheets being separate and unbonded to each other over at least the major parts of their areas, and then simultaneously integrating said plate and said sheets by forming successively overlapping resistance welds between the plate and its adjacent sheet and between adjacent sheets.

2,275,420
METALLURGY OF FERROUS METALS
Frances H. Clark, New York, and Robert F. Dirkes, Jamaica, N. Y.
Application April 30, 1938, Serial No. 205,392
4 Claims. (Cl. 75—22)

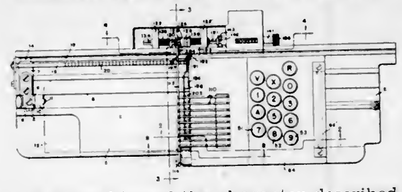
1. The method of making composite articles of hardenable steel and mild steel comprising compressing a mass of iron powder, containing

combined carbon in sufficient amount to produce a mild steel upon sintering, in contact with a mass composed of iron powder containing a higher percentage of combined carbon, to render



the same coherent, heating at a temperature above the critical range of steel of the composition of said latter mass and continuing the heating until the combined carbon in the latter mass is substantially uniformly diffused into said mass.

2,275,421
COMBINED PUNCHING AND VERIFYING MACHINE
Oluf L. Cleven, Washington, D. C.
Application September 20, 1941, Serial No. 411,768
31 Claims. (Cl. 164—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



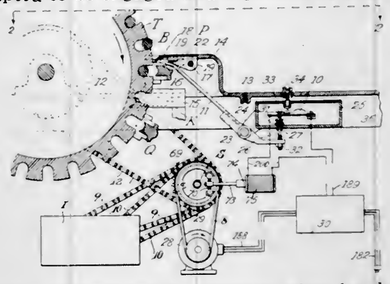
1. In a machine of the character described, in combination, a register including a plurality of registering elements arranged for operation in two directions, a control element advanced with a step by step movement, operative connections between the control means and the registering elements for selecting the registering element to be operated in one direction, the control element having additional means for actuating the registering element in the opposite direction, upon the advancement of the control element, and means for operating the selected registering element in either direction.

2,275,422
METHOD OF MAKING PRINTING PLATES
George de Verry, Springfield, Mass.
No Drawing. Application December 20, 1938, Serial No. 246,850
3 Claims. (Cl. 41—25)

1. The process of making a printing plate consisting of, making a desired configuration upon a substantially flat surface with a fluid composition which contains a water-soluble silicate and which solidifies and increases its bulk when heated, pouring over said surface a molten plate-forming metal which is non-fusible with said composition so as to solidify and increase the bulk of the configuration, and finally cooling said metal to harden the same.

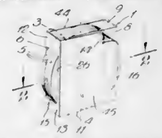
2,275,423
SOFT WORK BUNCH MACHINE SAFETY DEVICE
James P. Durning, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application March 12, 1938, Serial No. 195,528
14 Claims. (Cl. 131—21)

1. In a cigar machine, the combination with a carrier provided with a plurality of bunch shaping pockets, of means located adjacent said pockets for discontinuing the driving force for said carrier whenever a bunch is improperly positioned in a pocket, said means including a device adapted to be engaged and depressed by physical



pressure thereon by the operator when her hand is extended toward the carrier and is endangered by movement of the latter, and connections whereby said physical depression of said device operates said first-named means for discontinuing the driving force of said carrier.

2,275,424
COIN PACKAGE
Benjamin H. Freedman, Asbury Park, N. J.
Application March 15, 1940, Serial No. 324,094
4 Claims. (Cl. 133—9)



1. A coin wrapper for wrapping around a stack of coins so to leave diametrically opposed edges of the coins exposed, comprising an elongated sheet of flexible, yieldable material having a pair of spaced slots transverse to the length thereof, the material between the slots being adapted to overlie part of one end of the stack and being of a length less than the diameter of said coins, the height of said slots also being less than said diameter whereby to allow only said diametrically opposed edges to project therethrough, respectively, the combined width of the material at each side of the slots being greater than the width of said material between the slots and forming overlapping flaps for covering part of the other end of said stack, and fastening means for holding said overlapping flaps together.

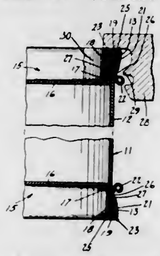
2,275,425
COMPOSITE DISTENSIBLE SHEET MATERIAL
Josef Grabec, Bratislava, Czechoslovakia, assignor of one-half to Adalbert Ledofsky, Bratislava, Czechoslovakia
Application June 4, 1935, Serial No. 24,943
In Austria August 25, 1934
3 Claims. (Cl. 154—48)



3. Laminated elastic ventilated fabric comprising a rubber layer and an elastic textile

fabric layer bonded thereto, the rubber layer being formed with a series of tapering wells terminating in small perforations in the plane of union between said layers.

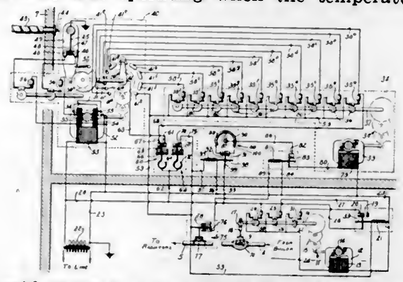
2,275,426
CONTAINER
James A. Gray, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 17, 1939, Serial No. 262,529
2 Claims. (Cl. 220—24)



2. A sheet metal hermetically sealed container of the pry-off type designed to resist internal pressure resulting from processing contained food products after sealing, said container comprising a tubular body having a straight raw marginal edge at an end thereof, and an end closure for sealing said body, said end closure having a countersunk wall surrounded by spaced inner and outer flanges defining a channel enclosing the raw edge of said body, said flanges being crimped tightly against the body along an annular line of contact, said body marginal edge and the outer of said flanges being locked together in an inwardly offset annular bead which holds the closure in place against axial displacement during processing of the can contents, said annular bead being disposed outwardly of said countersunk wall and opposite the inner flange, the inner surface of the inner flange of said closure being substantially smooth throughout, the inner and outer flanges of said end closure and the enclosed raw edge of said body outwardly of said bead being flared outwardly to resist axial displacement of the closure, the channel space outwardly of said bead confining a sealing compound in which the raw edge of the body is embedded to provide a hermetic seal between the closure and the body, said outer flange terminating in an outwardly curled edge to facilitate prying removal of said end closure from its locked and sealed position on said container.

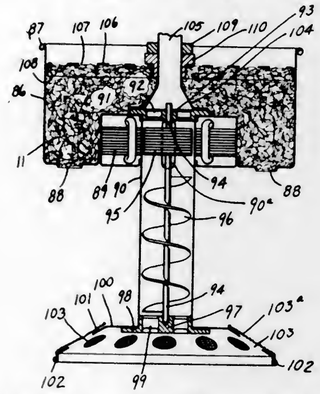
2,275,427
CONTROL FOR AIR CONDITIONING SYSTEMS
Theodore K. Greenlee, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application March 16, 1938, Serial No. 196,104
7 Claims. (Cl. 236—91)

1. The combination with apparatus for conveying air conditioning medium from a remotely located primary source to a space to be conditioned, a regulating member controlling the supply of said medium to said space and movable between on and off positions, a control device operable periodically in on and off periods to control the movements of said member and cause a flow of the medium toward said space during said on periods and interruption of the flow during the off periods, an actuator for said device normally operating to change the position of the device periodically, and means closely associated with said apparatus to follow temperature changes thereof independently of the space temperature and operating when the temperature



of said apparatus at a point adjacent said space falls below a predetermined value to stop said actuator with said device in on position near the beginning of an on period.

2,275,428
AQUARIUM WATER CONDITIONING DEVICE
James Fred Haldeman, Martinsville, Ind.
Application January 2, 1937, Serial No. 118,741
8 Claims. (Cl. 210—122)

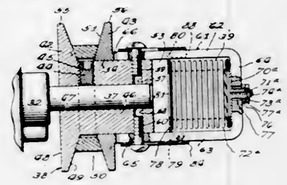


1. A unitary circulatory filtering and aerating portable device for a household aquarium and the like, including in combination a filter structure, an electric motor, a pump operable by the motor having an intake exposed to the aquarium near the bottom thereof for withdrawal of the dirty water therefrom for water passage through the filter for water cleaning, the circulating water being automatically aerated in its circulation, the filter structure discharging to the aquarium, and bracket means for aquarium side wall support of the unitary device the pump including a lateral discharge to the filter structure for gravity filtering, the filter structure being laterally offset from the pump and motor.

2,275,429
VARIABLE SPEED PULLEY
William W. Hallinan, Mendota, Ill.
Original application January 13, 1940, Serial No. 313,673. Divided and this application January 22, 1941, Serial No. 375,393
14 Claims. (Cl. 74—230.17)

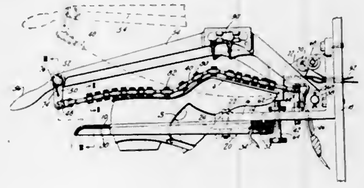
1. In a variable diameter pulley, the combination of a pulley section adapted to be secured to a shaft or the like, with a second pulley section

slidably mounted with respect to the first pulley section in an axial direction, said pulley sections being provided with opposed frusto conical surfaces adapted to form a pulley groove of wedge-shaped cross section, a frame carried by one of said sections in substantial dynamic balance therewith and having a part oppositely disposed to the other of said pulley sections, a plate having slidable engagement with said frame in a direc-



tion axially of said pulley sections and adapted to engage said other pulley section, and a pressure-responsive bellows interposed between said oppositely disposed frame part and said plate, whereby expansion of said bellows is adapted to move one of said pulley sections relatively to the other to vary the effective diameter of the pulley groove with respect to a wedge-shaped belt of constant width.

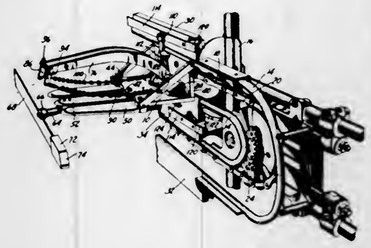
2,275,430
ELECTRODE FOR SHOE-TREATING APPARATUS
George T. Hart, Jr., and Erastus E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1939, Serial No. 252,604
19 Claims. (Cl. 34—1)



11. In a shoe-treating apparatus, shoe supporting paddles of dielectric material, metallic material adjacent to one side of one of said paddles to serve as an electrode, another electrode spaced from said paddle to permit the interpositioning of a shoe, and means for connecting said electrodes to a source of high frequency current.

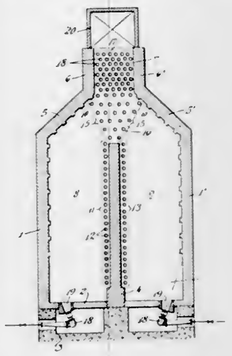
2,275,431
CONVEYER SYSTEM
George T. Hart, Jr., and Erastus E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1939, Serial No. 252,606
6 Claims. (Cl. 34—1)

1. In a conveyer system, a plurality of article-supporting cars, tracks supporting the cars, electrodes on the cars between which an electrostatic field may be produced intersecting articles thereon, insulated rails extending along only a portion of said tracks and adapted to be connected to a source of high-frequency alternating current, means for electrically connecting said electrodes to said rails, and a switch constructed and arranged to interrupt automatically the supply



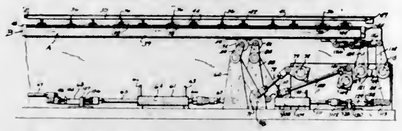
of current to said rails during the period when a car is moving out of electrical connection therewith.

2,275,432
HEATING OF FLUIDS
Walter C. Hensel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 18, 1940, Serial No. 314,376
2 Claims. (Cl. 122—356)



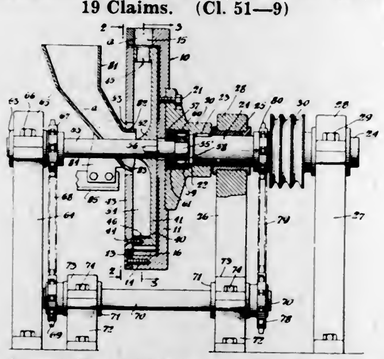
1. A furnace for heating fluids comprising, in combination, side and end walls defining the lower portion of the furnace, a central wall dividing said lower portion of the furnace into separate combustion zones, fluid conduits disposed adjacent the opposite sides of said central wall, a fluid heating zone communicating with said combustion zones, means for supplying combustible mixtures of fuel and air upwardly into said combustion zones at an angle against the inner faces of said side walls, means for transmitting radiant heat from said side walls directly to said central wall and to one side of each of said fluid conduits disposed adjacent the central wall, means for supplying reflected radiant heat from said central wall to the opposite side of said fluid conduits disposed adjacent the same, means for passing combustion gases from each of said combustion zones to said fluid heating zone, heating tubes disposed immediately beneath said fluid heating zone and above said central wall and connected in series with at least one of said fluid conduits, and means for passing said combustion gases over the last mentioned heating tubes.

2,275,433
CONVEYING APPARATUS
James L. Herold and William J. Nekola, St. Louis, and Frederick W. Wehmiller, Ladue, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a corporation of Missouri
Application January 18, 1940, Serial No. 314,388
5 Claims. (Cl. 198—219)



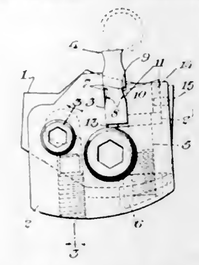
1. An apparatus for conveying articles in a straight plane which comprises a pair of supports for alternately advancing the articles, each support being movable limited distances upwardly, forwardly, downwardly and rearwardly in an endless cycle, means for moving one of said supports forwardly to advance the articles while simultaneously moving the other support rearwardly to a retracted position, means for raising each support from its retracted position to an article-supporting position flush with the other support, said last mentioned means being adapted to lower each support after it has completed its forward stroke and the other support has been moved upwardly to an article-supporting position, and an adjustable stop device for limiting the upward movement of each support to prevent a vertical displacement of the articles.

2,275,434
CENTRIFUGAL BLASTING MACHINE
Lloyd L. Hobson, Marshall, Mich., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application August 21, 1939, Serial No. 291,111
19 Claims. (Cl. 51—9)



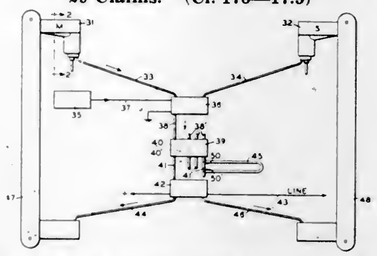
8. A centrifugal blasting machine operable to throw a concentrated stream of abrasive over a predetermined limited arc including, a rotor having equally spaced abrasive discharge passages therein extending inwardly short of the axis of rotation thereof to define a central space, a rotatably mounted drive shaft having one end thereof fixed to said rotor, a control runner positioned within said central space having equally spaced abrasive discharge passages therein differing in number from the number of discharge passages in said rotor, a second rotatably mounted drive shaft having one end thereof fixed to said runner, said runner shaft having its axis of rotation substantially concentric with the axis of rotation of said rotor shaft, a power transmission shaft, means operably connecting the power transmission shaft to said runner shaft and rotor shaft, and a drive pulley operably connected to one of said shafts, said means connecting said transmission shaft to said rotor and runner shafts being operative to establish a drive ratio between said runner shaft and rotor shaft which is in inverse proportion to the number of passages in said rotor and runner respectively.

2,275,435
CHASER AND CHASER HOLDING MEANS
William J. Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1939, Serial No. 300,931
19 Claims. (Cl. 10—104)



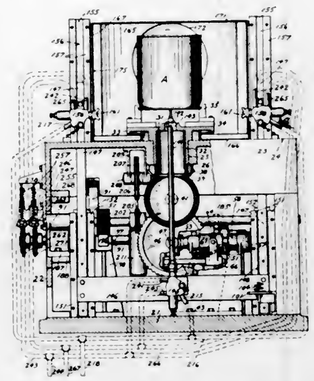
1. The combination with a chaser block and a chaser carrier supported thereby having a chaser receiving slot, of a rectangular chaser reversible in its slot and having a row of cutting teeth along one face and face ground on both sides to cut from either side edge, said chaser having angle slots in its opposite side faces, and a clamping device carried by the carrier and having a head adapted to cooperate with either of the angle slots of the chaser for clamping the chaser in position.

2,275,436
TELEGRAPH SYSTEM AND APPARATUS THEREFOR
Philo Holcomb, Jr., Great Neck, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,334
29 Claims. (Cl. 178—17.5)



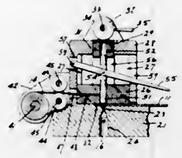
1. In a signal storage telegraph system, a plurality of two different sizes of balls arranged in single file in a confining tube, a sending circuit, means for removing said balls one at a time from said confining tube, and means operative concomitantly with said ball removing means for transmitting to said sending circuit signalling impulses of two different line conditions representative of according to a predetermined arrangement the sizes of balls removed from said confining tube.

2,275,437
CAN SPRAYING MACHINE
Harvey C. Hopkins, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 27, 1940, Serial No. 326,273
8 Claims. (Cl. 91—45)



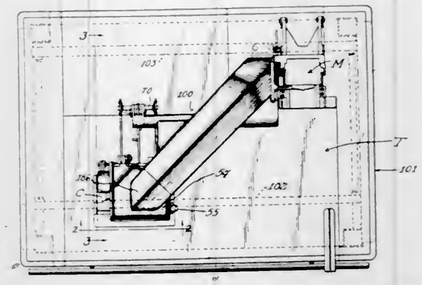
1. In an apparatus for coating cans, the combination of a rotatable element for supporting the can, means for rotating said can supporting element, an interior spraying device for spraying the inside of the can while it revolves, an exterior spraying device located to one side of and adjacent to the revolving can for discharging spraying material on the outside wall of the can, and means for moving said exterior spraying device parallel to the can body wall while the can revolves to distribute the spraying material over the exterior of the revolving can, thus coating both interior and exterior surfaces simultaneously.

2,275,438
METHOD OF PREPARING SHEET MATERIAL
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1938, Serial No. 248,845
4 Claims. (Cl. 29—148)



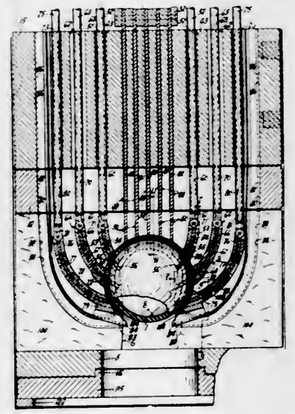
1. A method of producing a soft metal rivet in a relatively hard metal imperforate sheet, which comprises clamping said sheet in a die with a confined portion of the sheet unsupported, feeding a wire of relatively soft metal into a position relative to said confined portion of the sheet, severing a portion of said wire and simultaneously in the same single movement and axially of the severing operation squeezing a portion of said wire into said sheet, thereby producing a hole in said sheet, and by said single movement reforming the remaining portion of the relatively soft metal over the hole to produce a headed rivet secured therein.

2,275,439
PRINTING MACHINE
Carl J. Hueber, East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application August 3, 1940, Serial No. 350,678
21 Claims. (Cl. 101—56)



1. In a printing machine having a main supporting frame, driving means carried directly upon said main frame, means providing a platen and an anvil adapted to define a printing position, means for supporting said anvil and platen comprising a C-shaped frame formed separate from and supported directly on said main supporting frame and having end portions positioned on opposite sides of said printing position, means supporting said platen and said anvil on said end portions of said C-shaped frame and including force multiplying actuating means operable to apply impression forming force between said platen and said anvil, and means mounted in part upon said C-shaped frame and forming an operating connection between said driving means and said force multiplying actuating means.

2,275,440
METHOD AND APPARATUS FOR COVERING BALLS
Walter E. Humphrey, Jeannette, Pa.
Application December 21, 1939, Serial No. 310,371
32 Claims. (Cl. 154—16)

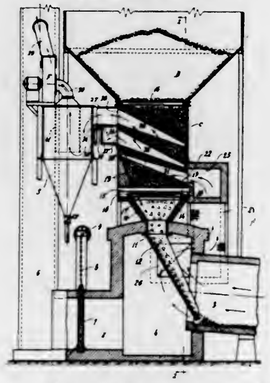


1. The process of covering a ball core with an 8-shaped cover piece, comprising holding the core by line contact at the seam between the cover sections and applying a cover piece while the core is so held.

2,275,441
CONVERSION OF HYDROCARBONS
Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 30, 1939, Serial No. 282,067
6 Claims. (Cl. 196—50)

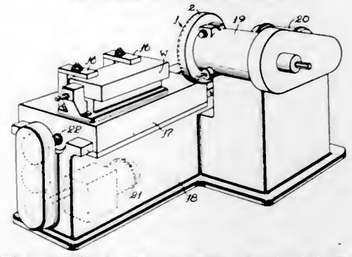
3. A process for producing motor fuel of high anti-knock value and relatively low olefin content which comprises combining olefinic gasoline with a hydrocarbon oil heavier than gasoline and containing a substantial proportion of saturated hydrocarbons, and subjecting the resultant mixture to the action of a calcined mixture of precipitated hydrogels of silica, alumina and zirconia at a temperature in the approximate range of 500–800° F. for a contact time sufficient to convert a substantial portion of said heavier oil into gasoline and to effect substantial saturation of gasoline boiling olefins.

2,275,442
MEANS FOR FEEDING AND TREATING MATERIAL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application July 12, 1938, Serial No. 218,812
10 Claims. (Cl. 34—54)



5. In means for heat treating and feeding material into a kiln, a casing into the top of which the material to be treated is adapted to be delivered, laterally spaced bars extending transversely of the bottom of the casing adapted to support a bed of material in the casing, means reciprocatory transversely of said bars to deliver material from the casing through the spaces between said bars and cause the material to gravitate through the casing onto said bars, rows of laterally spaced inverted channel members extending transversely and spaced vertically of the casing with the upper rows extending in parallel superposed relation intermediate the channel members of the lower row, the lower row of channel members opening at one end through a side wall of the casing and closed at the opposite end, and the upper rows of channel members opening at one end through the opposite side wall of the casing and closed at the opposite end, means to connect the open ends of the lower row of channel members with a kiln to direct waste hot gases of combustion from the kiln to said channel members, suction means connected to the open ends of the upper row of channel members to induce the flow of the hot gases into the open end of the lower row of channel members and cause said gases to pass laterally from said channel members in heat transfer relation to the material gravitating through the casing into the upper row of channel members and through the open ends of the latter channel members from the casing, means operative to open and shut off communication between the open ends of an upper row of channel members and the suction means, and thermo operated means rendered operative, by the temperature of the gases exiting from the upper rows of channel members to automatically actuate said means to open and shut off communication between the open ends of said upper row of channel members and the suction means and control the passage of the gases in heat transfer relation to the material gravitating through the casing.

2,275,443
METHOD OF AND MACHINE FOR MILLING
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application February 17, 1939, Serial No. 256,846
13 Claims. (Cl. 90—18)

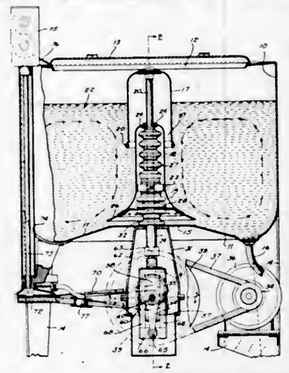


3. The method of removing material from a work piece to form a flat finished surface thereon comprising revolving a series of cutting edges defining an inner shallow frusto-conical face of a width greater than that of said surface and a contiguous outer coned face of greater slope than said first mentioned face, positioning a work piece with the plane of said surface to be formed disposed tangent to said first mentioned face, and effecting relative feeding movement between the revolving edges and said work piece along a path spaced from the axis of revolution of said edges but within the circle of intersection of said faces.

8. A cutter for removing a layer of material from a work piece to form a smooth surface thereon by relative feeding movement between the cutter and the work piece parallel to said surface, said cutter comprising a rotary body, a plurality of elongated blades angularly spaced around an end face of said body, and cutting edges on said blades cooperating to define adjacent concentric cutting faces of shallow frusto-conical contour, the outer face having a larger cone angle than the inner face.

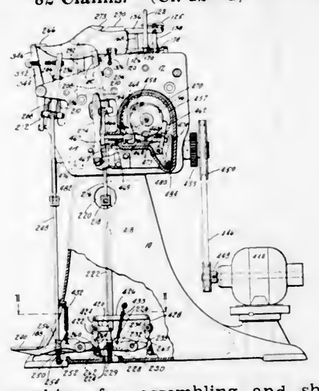
2,275,444
FLUID TREATING APPARATUS
George Kuhn, Silver Spring, Md.
Application September 20, 1937, Serial No. 164,820
13 Claims. (Cl. 68—190)

7. Apparatus for treating articles with fluid comprising a tub, a hollow tubular member having one end closed and the other end open, said member being disposed so that its open end remains below the normal fluid level in the tub, an element disposed at the open end portion of said member for reciprocation in axial alignment therewith and in spaced relationship thereto and having a surface extending radially outwardly from its axis of reciprocation, and means for rapidly reciprocating said element, whereby reciprocation of the element displaces fluid from



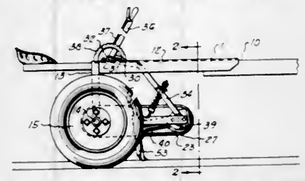
the hollow member and fluid is drawn into the zone between said member and said element and is discharged against said radially outwardly extending surface and rapidly pulsating unidirectional impulses are generated in the fluid and unidirectional circulatory movement of the fluid and the articles in the tub is produced.

2,275,445
METHOD OF AND MACHINE FOR ASSEMBLING SHOE PARTS
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 24, 1940, Serial No. 337,067
82 Claims. (Cl. 12—1)



41. A machine for assembling and shaping flanged counters and uppers comprising a counter support, means for positioning a lined upper in determinate relation to a counter on the support, an upper shaping form arranged for movement into and out of the supported upper, means for moving the heel portion of the form rearwardly and downwardly into the heel end of the upper, and means for stretching the marginal portion of the lining opposite the side walls of the counter inwardly beneath the downwardly moving heel end of the form whereby said lining is laid smoothly over the counter flange.

2,275,446
AGRICULTURAL MACHINE
Lawrence W. Leeper, Dallas, Tex.
Application October 9, 1939, Serial No. 298,564
10 Claims. (Cl. 97—15)

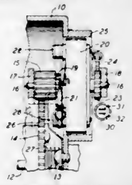


1. In an agricultural machine, a portable support, a chopper revolvably mounted on the support, means carried by said support for revolving the chopper, and a driving connection between said chopper and said means having means for disconnecting the driving connection and the revolving means arranged to be actuated by the chopper whenever revolution of the same is resisted to a predetermined extent so as to permit the complete disconnection of said chopper from the support.

2,275,447
PRODUCTION OF VALUABLE ADDITION AGENTS FOR LUBRICATING OILS
Eugene Lieber, Linden, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 12, 1938, Serial No. 190,224
14 Claims. (Cl. 252—57)

1. The process of preparing viscosity index improving addition agents for lubricating oil which comprises condensing a wax-substituted aromatic hydrocarbon with less than about 0.2 gram mol of a dicarboxylic acid halide per 100 grams of the wax-substituted aromatic hydrocarbon in the presence of not substantially more than 2 mols of a Friedel-Crafts catalyst per mol of dibasic acid halide, at a temperature not substantially above 80° C., hydrolyzing the catalyst and distilling the condensation product to obtain a distillation residue having viscosity index improving properties.

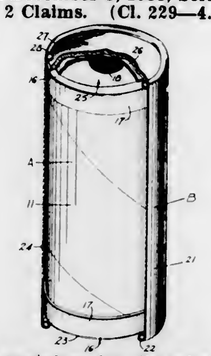
2,275,448
IMPULSE TRANSMITTER
Victor E. Legg, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 17, 1940, Serial No. 330,045
2 Claims. (Cl. 179—90)



1. In an impulse transmitter device in which magnetically operable switch contacts are magnetically operated by means of a rotatable permanent magnet bar, a ring of non-magnetic electrical conducting material extending around said magnet bar and defining a space in which said magnet bar operates, said ring and said magnet bar being arranged to produce in said ring eddy currents during the rotational move-

ments of said magnet bar and said eddy currents operating directly on said magnet bar to reduce the speed of rotation of said magnet bar.

2,275,449
CONTAINER
Donald G. Magill, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1938, Serial No. 244,684
2 Claims. (Cl. 229—4.5)



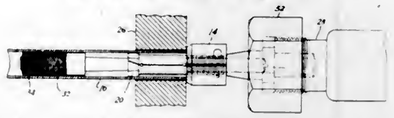
1. A fibre container for oily substances and the like comprising a tubular inner greaseproof fibre body, greaseproof fibre top and bottom members secured on said body, each of said end members terminating in a peripheral angularly extending flange portion embracing and secured to said body to constitute an inner container, said top member having a filling hole therein through which the contents is filled, a leakproof disc of a diameter substantially that of the top member engaging said top member over said filling hole, and an outer heavy tubular fibre shell in telescopic assembly with said inner container after the latter has been filled and sealed and slidably inserted therein, the opposite ends of said outer shell being turned inwardly in reenforcing edge curls respectively abutting against the marginal portion of said disc at the top and against the opposite end of said inner container and forming the sole means for holding the latter with its filled contents against movement relative to said outer shell, whereby to provide a reenforced double container to protect the inner container contents against rough handling during shipment and storage.

2,275,450
SAFETY BELT
Frank G. Manson, Dayton, Ohio
Application June 25, 1940, Serial No. 342,312
10 Claims. (Cl. 244—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a safety belt for an airplane or the like, a chair having a bottom portion and a back portion, a lap belt having ends attached to said bottom portion, said lap belt including a quick release coupling, said coupling comprising a catch loop and a pivoted, hook-like latching element to engage said catch loop, a V-shaped shoulder belt having a single point of attachment with said chair, the legs of said V terminating in loops loosely receivable over said catch loop, the apex of said V extending over said back portion and terminating in a chain passing beneath said bottom portion, a tubular housing for said chain on said bottom portion and constituting said single point of attachment, a slot in an end of said tubular housing, and spring means on said housing for urging said chain into said slot.

2,275,451
METHOD OF PRODUCING PRESSURE TIGHT TUBE AND TUBE-SEAT CONNECTIONS
Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 20, 1939, Serial No. 274,749
6 Claims. (Cl. 29—157.5)

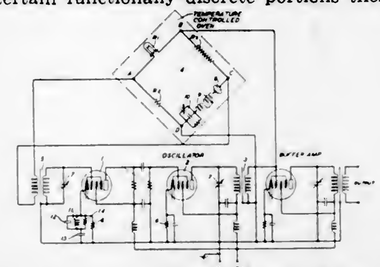


1. A method of manufacturing fluid heat exchange apparatus involving a plurality of drums or headers connected by a multiplicity of spaced tubes adapted to be exposed to a fluid heat exchange medium, the method comprising the fitting of the opposite ends of the tubes into tube seats formed in the walls of the drums or headers with each tube having one end fitted in a tube seat in one drum or header and its opposite end fitted within a tube seat in the other drum or header, expanding the ends of the tubes fitted into one drum or header to secure those ends, and then expanding the opposite ends of the same tubes in the tube seats of the other drum or header by initiating the expanding of each tube end only at a position adjacent the outer surface of the drum or header wall to lock the tube to its tube seat at that position and continuing such expanding progressively toward the inner wall of the drum or header and toward the adjacent tube end, said continuing of the expanding being accompanied by drawing of the tube metal in the same direction and from the locked position only.

2,275,452
STABILIZED VACUUM TUBE OSCILLATOR
Larned A. Meacham, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 24, 1939, Serial No. 280,897
12 Claims. (Cl. 250—36)

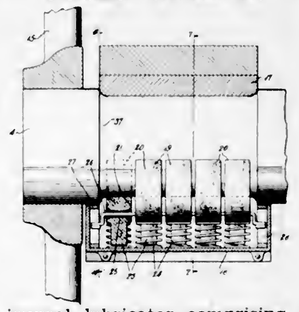
1. In an oscillation generator comprising an amplifier and a feedback path coupling the output and input terminals thereof, a conjugate network included in said feedback path and connected at its conjugately related pairs of points, through the remaining portion of said feedback path if any, to said output and input terminals, respectively, said network including a frequency determining element and having a transmission characteristic providing a minimum feedback in regenerative phase substantially at the oscillation frequency and strong degenerative feedback frequencies removed therefrom, said frequency

determining element comprising a mechanical vibratory means and the electrical elements of said network being so relatively dimensioned by assignment of radically different impedance values to certain functionally discrete portions thereof



that said vibratory element tends to vibrate at a relatively low amplitude as measured by the condition of the rate of change of frequency with amplitude becoming a minimum.

2,275,453
LOCOMOTIVE JOURNAL LUBRICATOR
Rudolph W. Miller, Winona, Minn.
Application October 19, 1939, Serial No. 300,253
8 Claims. (Cl. 308—88)



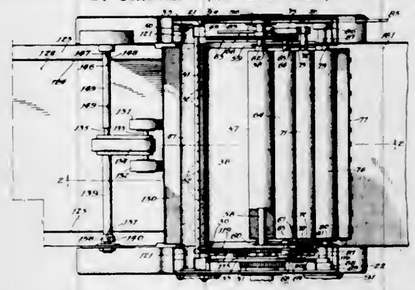
1. A journal lubricator comprising, in combination: a plurality of absorptive pad sections; non-circular rod means entering said sections and extending therebetween; said sections having rod-enclosing sockets similar to said rod means in cross section whereby to prevent disalignment and rotation of said sections relative to each other; spring means to press said sections against the journal; way means rigid with and projecting a substantial distance from the rear of the journal box coacting with said rod means to guide the lubricator in vertical movements and acting to space the rearmost section from the rear wall of the journal box.

2,275,454
INTERLOCKING FASTENER ELEMENT
Thomas G. Miller, McDonald, Pa.
Application July 17, 1937, Serial No. 154,186
7 Claims. (Cl. 24—205)



1. An interlocking fastener element of suitable material having a body portion provided with opposite lateral faces and being bounded by top, bottom, and opposite side edge portions substantially representing the thickness of the body between lateral faces, said body being arranged for operative positioning with respect to a carrier at an end thereof adjacent the bottom edge, a single concave-shaped interlock of substantially semi-circular cross-section extending along one of the lateral faces at an angle with respect to the top edge, and a single convex interlock of substantially semi-circular cross-section extending in a similar manner along the other lateral face.

2,275,455
DUPLICATING MACHINE
Morris P. Neal, Villa Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application September 16, 1938, Serial No. 230,172
17 Claims. (Cl. 101—141)



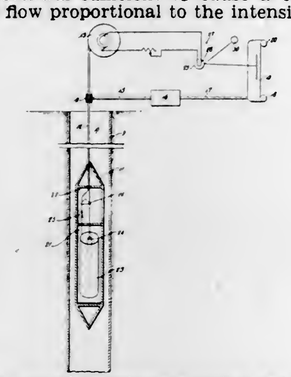
1. In a diplicating machine, the combination of a drum, means for mounting a master sheet removably in position on said drum, forwarding rollers adapted by rotation in cooperative relation to each other to forward a copy sheet into impression relationship to said master sheet, driving means adapted normally to rotate said drum continuously through a series of revolutions, means comprising a gear for rotating said forwarding rollers, means adapted by operative connection with said driving means to rotate said gear and said forwarding rollers during the greater portion of each rotation of the drum, and means for disconnecting said gear from said driving means during a comparatively small fractional portion of each rotation of the drum for permitting said gear and said rollers to remain stationary.

16. In a duplicating machine, the combination of a drum, means for mounting a master sheet removably in position on said drum, forwarding rollers adapted by rotation in cooperative relation to each other to forward a copy sheet into impression relationship to said master sheet, means for driving said forwarding rollers intermittently and operating to cause said rollers to be stationary at a predetermined fractional portion of each rotation of the drum, and means for feeding a copy sheet into the bite of said forwarding rollers at each period when said rollers are stationary.

2,275,456
METHOD AND APPARATUS FOR RADIOACTIVE INVESTIGATION OF DRILL HOLES
Jacob Neufeld, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application June 7, 1939, Serial No. 277,964
9 Claims. (Cl. 250—83.6)

1. A method of measuring radiation that comprises subjecting a compressed gaseous medium,

in the presence of radiation, to a constant electrical potential sufficient to cause a continuous current flow proportional to the intensity of said



radiation, continuously measuring said current flow without appreciably altering the potential on the gaseous medium, and continuously recording the measurement.

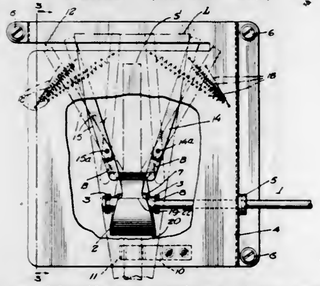
2,275,457

MACHINE FOR MAKING NECKTIES

Max M. Newman, New York, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application April 28, 1938, Serial No. 204,772

5 Claims. (Cl. 112—152)



1. In combination, a plate, a strip-guide connected to said plate and depending therefrom, said plate having a lateral slot, a shaft located below said plate and having a cam fixed thereto, said cam being located below said plate and being also located intermediate said strip-guide and said slot, a pair of levers located at the underside of said plate and pivoted to said plate by separate pivot members, said levers having portions thereof adjacent said slot to act as a guide for feeding material of non-uniform width through said slot, said levers having portions thereof contacting with said cam.

2,275,458

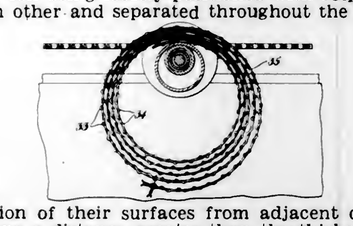
METAL COIL

Stone Nyberg, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va.

Original application July 12, 1939, Serial No. 284,058. Divided and this application May 20, 1940, Serial No. 336,186

2 Claims. (Cl. 206—59)

1. A metal coil comprising a continuous spiral sheet of metal composed of a plurality of convolutions, said metal sheet having spaced button-like projections of predetermined height formed therein throughout the surface of said sheet and functioning to space each convolution from an adjacent convolution at least a distance equal to the height of said projections, the convolutions of said coil being loosely positioned with respect to each other and separated throughout the major



portion of their surfaces from adjacent convolutions a distance greater than the thickness of the sheet plus the height of the button-like projections so as to permit relative movement between adjacent convolutions.

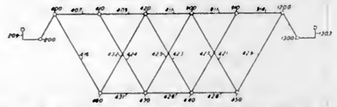
2,275,459

TELEPHONE SYSTEM

Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 31, 1940, Serial No. 338,001

22 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of offices, trunks interconnecting said offices, certain offices having a plurality of different routes over said trunks to other offices, automatic switching means in said offices for progressively extending a connection in the direction of a called office, means effective if the preferred route trunks outgoing from any particular office test busy for causing the selection of an alternate route trunk, and means in one of said offices for registering the condition of the trunk routes tested in other offices during the establishment of a connection to a called office.

2,275,460

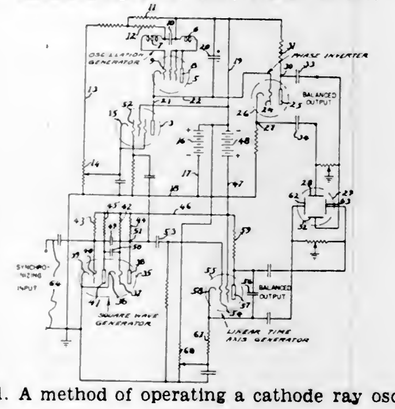
ELECTRON BEAM CONTROL APPARATUS

Robert M. Page, Washington, D. C.

Application November 1, 1939, Serial No. 302,361

13 Claims. (Cl. 171—95)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of operating a cathode ray oscillograph wherein an electron beam is deflectible in two directions at right angles to each other by potential differences applied in said directions, comprising the steps of applying in one said direction a first potential difference while causing said potential difference to vary between two values by substantially equal magnitude of change to shift said beam to different successive parallel planes perpendicular to said direction, and maintaining said beam in each said plane for a predetermined time, and applying in the other said direction a second potential difference that varies continuously and substantially uniformly from a same initial value to a same final value during each said predetermined time.

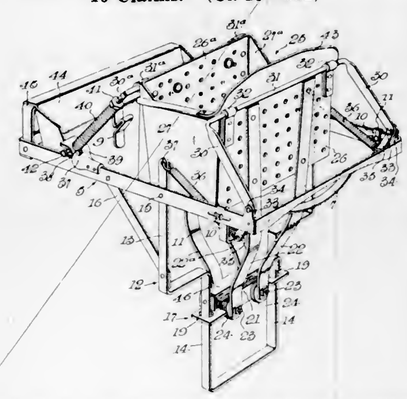
2,275,461

MOP WRINGER

Albert Palmer, Alburg, Vt.

Application June 29, 1940, Serial No. 343,295

10 Claims. (Cl. 15—261)



1. In a mop-actuated mop wringer having a frame, and a depressible mop-wringing receptacle mounted on said frame to be depressed by a downward push on a mop in said receptacle, said receptacle having inwardly movable side walls; an inclined link pivoted at its upper end to one of said side walls, a pivotal connection from the lower end of said one link directly to said frame, a second inclined link pivoted at its upper end to the other of said side walls, and a second pivotal connection from the lower end of said second link directly to said frame, the two links being disconnected from each other and free to move inwardly and outwardly at all points above the lower pivotal connections.

2,275,462

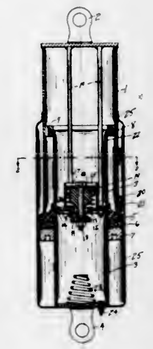
FLUID SPRING

Arthur R. Parilla, Youngstown, Ohio

Application February 3, 1938, Serial No. 188,439

14 Claims. (Cl. 267—65)

1. In a fluid spring comprising a pair of oppositely disposed cylinders, one of which is slidably positioned upon the other, gland means positioned at the inner end of the outer cylinder and adapted to slidably seal the said cylinders, the said gland means comprising a plurality of gaskets positioned in a flared end of one of the said cylinders, together with a valve assembly attached to the outer cylinder and positioned centrally within and between the said cylinders, the said valve assembly comprising a valve seat having an opening formed therein, a cylindrical housing positioned on the said valve seat, a coil spring positioned within the said housing and upon the said valve seat, a guide member positioned on the said coil spring and having depended therefrom and extending downwardly through the said valve seat opening a double



faced valve, said double faced valve adapted to function with the said valve seat opening in controlling the expansion and compression of fluid within the said cylinders, depending upon the movement of the said cylinders, substantially as described.

2,275,463

DIAL COMBINATION FOR RADIO RECEIVING SETS

Joseph Pierrel, New York, N. Y.

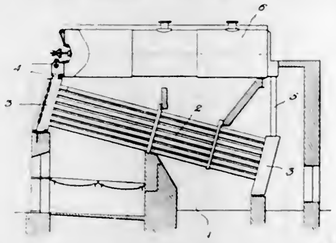
Application February 6, 1939, Serial No. 254,907

7 Claims. (Cl. 116—124)



1. In combination with a radio receiver having means to tune it over a pair of wave bands, each of said bands having a plurality of non-adjacent portions assigned to predetermined transmitter groupings; spaced indication scales for said bands and a pointer simultaneously cooperating with said scales, each scale having non-adjacent sections corresponding to said transmitter groupings, all the sections on one scale being staggered with respect to all the sections on the other scale.

2,275,464
STEAM PRESSURE VESSEL RESISTANT TO CAUSTIC CRACKING
Norman B. Pilling, Westfield, N. J., and Frederick G. Straub, Champaign, Ill., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application April 29, 1938, Serial No. 204,986
8 Claims. (Cl. 122—4)



7. In a steam pressure vessel, an element resistant to caustic cracking made of steel containing carbon, the amount of carbon not exceeding about 0.5%, an effective amount up to about 5% nickel, metal selected from the group consisting of copper, aluminum, beryllium and titanium in amounts from about 0.5% to about 3%, from about 0.5% to about 3%, from about 0.2% to about 3%, and from about 0.5% to about 5%, respectively, and iron constituting substantially the balance of the steel, said metal forming a dispersible metallic constitutent at least partially in solid solution.

2,275,465
PURIFICATION OF ALUMINUM BROMIDE
Herman Pines, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 15, 1939, Serial No. 268,021
3 Claims. (Cl. 23—92)

1. A process for obtaining relatively pure aluminum bromide from an aluminum bromide-containing sludge arising from the use of aluminum bromide as catalyst in hydrocarbon conversion reactions which process comprises contacting said sludge with a normally gaseous paraffinic solvent at a temperature above the normal boiling point of the solvent and under sufficient pressure to maintain a substantial portion of the solvent in liquid phase, separating resultant solution from undissolved matter, cooling the solution to a temperature in the range of substantially 0 to −80° C. to crystallize aluminum bromide, and recovering the latter.

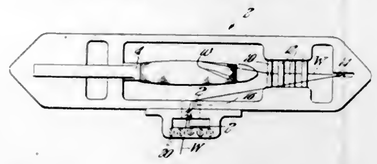
2,275,466
PREPARATION OF UNSATURATED ALCOHOL ESTERS
Maxwell A. Pollack, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application January 27, 1940, Serial No. 315,968
23 Claims. (Cl. 260—486)

1. A method of removing an allyl halide from a mixture containing an allyl halide containing halogen linked to a saturated carbon atom and a vinyl halide containing halogen linked to an unsaturated carbon atom which comprises reacting the mixture with a salt of a weak organic acid whereby an allyl ester of said acid is formed without substantial decomposition of the vinyl halide.

2,275,467
PREPARATION OF UNSATURATED ALCOHOL ESTERS
Maxwell A. Pollack, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application January 27, 1940, Serial No. 315,969
21 Claims. (Cl. 260—475)

1. A method of preparing an ester of a polycarboxylic acid which comprises reacting a salt of an unsaturated partial ester of a polycarboxylic acid with an unsaturated halide which contains a halogen atom attached to a saturated carbon atom whereby an unsaturated ester is formed.

2,275,468
LOOM APPARATUS
Andrew Purves, Holyoke, Mass., assignor to Isabel Langhauser (his daughter) and Isabel Langhauser (his granddaughter), both of Holyoke, Mass.
Application July 8, 1941, Serial No. 401,479
2 Claims. (Cl. 139—212)



2. The combination with a shuttle box and shuttle construction of means for tensioning an element being drawn from a bobbin in the shuttle comprising, a shuttle body having a space for a bobbin and spaced passageways for an element from a bobbin, guide means in each of said passageways for an element extending from said bobbin, a lower friction member in one of said passageways over which an element is drawn from one guide means to the other, and an upper friction member disposed directly over and above said lower member guided for free movements up and down in the body towards and away from the lower member so as to press an element onto said lower member, said shuttle being receivable in said shuttle box and the latter provided with spring means with which said upper friction member is engageable to move said member downwardly whereby said upper and lower members co-operate to frictionally engage an element from a bobbin as the upper member is pressed downwardly.

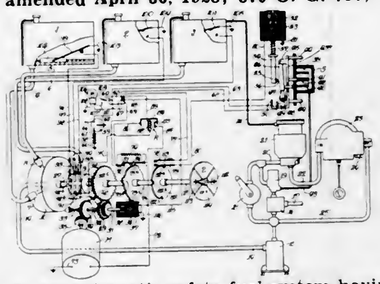
2,275,469
RUBBER CHLORINATION
James Wallace Raynolds and George Arthur Webb, Pittsburgh, Pa., assignors to The Raolin Corporation, Charleston, W. Va., a corporation of West Virginia
No Drawing. Application May 27, 1939, Serial No. 276,130
6 Claims. (Cl. 260—772)

1. The method of chlorinating rubber, which comprises reacting gaseous chlorine with rubber dispersed in dilute anhydrous solution, while said solution is in contact with metallic copper.

2,275,470
METHOD OF MAKING MIXED ARYL HYDROXYALKYL AMINES
Robert G. Ruark, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 31, 1939, Serial No. 253,779
6 Claims. (Cl. 260—573)

1. In the reaction of an alkylene oxide with an aryl amine to produce hydroxyalkylated aryl tertiary amines, the step of reacting substantially stoichiometrical amounts of an alkylene oxide with an aryl amine of the group consisting of aryl primary amines, aryl secondary amines, and mixed aryl aliphatic secondary amines by the addition of alkylene oxide to a body consisting of the heated amine at a rate so correlated to the temperature and pressure at which the reaction is conducted that alkylene oxide is supplied at substantially the same rate that alkylene oxide is consumed.

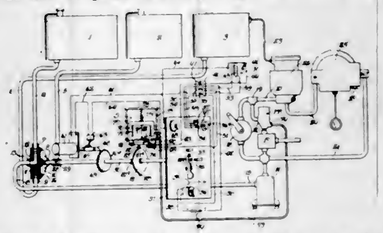
2,275,471
AUTOMATIC SAFETY FUEL SYSTEM
David Samiran, Fairfield, Ohio
Application July 31, 1940, Serial No. 348,969
27 Claims. (Cl. 158—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic safety fuel system having a plurality of fuel tanks, a selector valve operable to selectively connect any one of said plurality of fuel tanks with a fuel consuming device, means for operating said selector valve at relatively high speed when changing from one selector valve position to the next, a fuel pressure responsive controller for controlling said means, means for slowing down the operation of said first means when said selector valve has progressed to a position adjacent alignment of its ports, a control device for each fuel tank and operable when the tank is empty to render said means for slowing down the operation of said first means ineffective, said control device being operatively connected with said selector valve to effect such rendering of said first means ineffective only when that tank, for a selector valve position assumed by the selector valve, is empty.

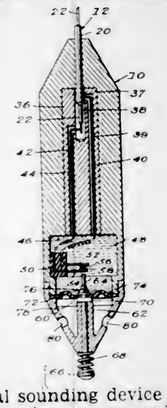
2,275,472
PRESSURE REGULATOR FOR FUEL SYSTEMS
David Samiran, Fairfield, Ohio
Application July 31, 1940, Serial No. 348,970
14 Claims. (Cl. 158—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuel pumping system, a fuel pump, a fuel consuming device, an electrically operated selector valve, a pressure responsive switch for controlling said electrically operated selector valve, a switch pressure regulator having an inlet and an outlet connected respectively with the exhaust of said fuel pump and the intake of said fuel consuming device, and having a valve seat between said inlet and said outlet, a valve plug for seating against said valve seat, adjustable spring means for normally retaining said valve plug seated on said valve seat against the pressure of fuel entering said inlet, an opening bypassing said valve plug to permit fuel and/or air to pass therethrough whereby fuel in



excess of an amount for which said spring is set will lift said valve plug from said valve seat and permit increased flow of fuel from said inlet to said outlet without substantial increase of pressure in said valve body between said valve plug and said inlet, a connection from said switch pressure regulator between said seat and said inlet and extending to the pressure responsive means of said pressure responsive switch, said connection including a series of staggered baffle plates providing a tortuous path for fuel flow and restricting free flow of fuel therethrough.

2,275,473
WELL CEMENTING APPARATUS
Domer Scaramucci, Norman, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma
Application July 11, 1939, Serial No. 283,878
6 Claims. (Cl. 33—126.5)



1. An electrical sounding device for use in liquids, which comprises a generally cylindrical weight with frusto-conical ends and provided with an internal chamber, a rubber diaphragm closing the chamber, a body of non-conducting liquid filling said chamber, said weight being provided with an opening for exposing the diaphragm to the pressure of a liquid in which it is immersed, a switch having spaceable contacts within said chamber, slidable pin means secured to and extending through the diaphragm and arranged to operate the switch, said pin means

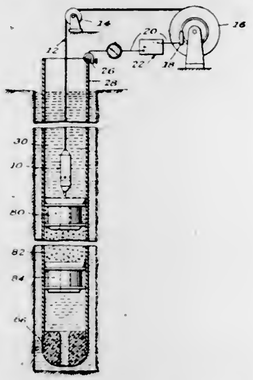
having a head portion projecting outwardly of the weight, a spring between the head portion of the pin and the weight for holding said pin in an outwardly extended position, a collar on said pin arranged to engage the weight and limit outward movement of said pin, and conductors operatively connected to the switch and extending externally of the weight.

2,275,474

MEASURING APPARATUS FOR DETERMINING THE DEPTH OF OIL WELLS OR THE LIKE

Domer Scaramucci, Norman, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma

Application July 13, 1939, Serial No. 284,331
8 Claims. (Cl. 33—126.5)



1. An electrical sounding device for use in electrolytic liquids, which comprises a generally cylindrical weight provided with an internal chamber; a body of insulating liquid filling said chamber, an electric switch having spaceable contacts within said chamber; slidable pin means extending through the wall of the chamber and arranged to operate the switch, said pin means having a head portion projecting outwardly of the weight and a plunger portion on its opposite end also extending through the wall of the chamber, and said weight being provided with openings for exposing the plunger to the pressure of a liquid in which it is immersed; resilient means for urging the head portion of the pin outwardly of the weight for yielding engagement with an external object; and a weight line comprising an insulated conductor connected to one contact of said switch, the other contact being provided by the pin means.

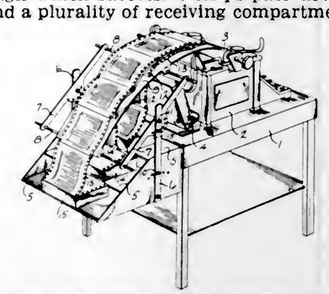
2,275,475

SEPARATING MACHINE

John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of said John Q. Sherman, deceased

Application April 5, 1935, Serial No. 14,854
50 Claims. (Cl. 271—2.1)

1. An apparatus for separating the superposed strips of a manifolding assembly, including means for collectively withdrawing the strips from a source of supply, an inclined bridge over which the strips are advanced in unison, the bridge having slots therein at spaced intervals through which successive strips pass downwardly, and a plurality of receiving compartments one



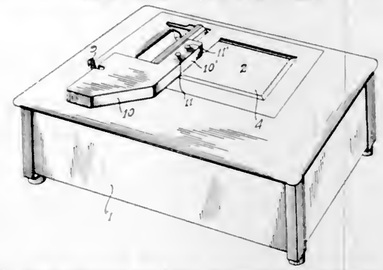
for each of the strips located beneath the slotted bridge.

2,275,476

PUNCHING REGISTER

John Q. Sherman and Ardath A. Gopperton, Dayton, Ohio; said Gopperton assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of said John Q. Sherman, deceased

Application January 13, 1939, Serial No. 250,802
19 Claims. (Cl. 164—112)



1. In a record making apparatus wherein succeeding portions of record material are progressively presented in record receiving position, the combination with a feeding device therefor of a record identifying device for imparting to each record portion an identification characterization corresponding to the character of the record inscribed thereon, means under control of the record identifying device for normally preventing operation of the record material feeding device, the effect of which is counteracted by operation of the record identifying device, and a second means also under control of the record identifying device for temporarily preventing operation of the record material feeding device so long as the record identifying device is in its operated position and restored to record material feeding condition by return of the record identifying device to normal, and means for restoring the first mentioned operation preventing means to condition to prevent continued operation of said feeding device.

2,275,477

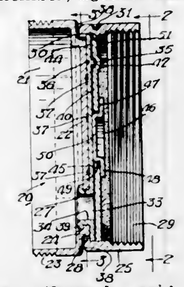
FLOW CONTROL DEVICE

Edwin P. Sundholm, Albert City, Iowa

Application November 9, 1939, Serial No. 303,656
5 Claims. (Cl. 284—14)

1. A flow-control device adapted for use in bung-openings of barrels, drums, tanks or the like, comprising a generally cup-like plug member adapted to be secured in a bung-hole with its end-wall extending outwardly, a stationary

base plate secured to said end-wall and having its peripheral zone clear of said plug member, a socket ring surrounding said base plate and pivotally related thereto and having an inturned locking flange extending behind the peripheral portion of the base plate and being confined between said peripheral portion and a portion of the plug member, against axial displacement,



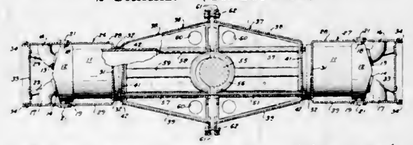
a passageway through said end-wall and through said base plate, a shut-off disc within said socket ring pivotally secured to said base plate and having connection with said socket ring to cause it to turn in unison therewith, said shut-off disc being adapted to open and close the aforesaid passageway by opposite rotational displacement thereof.

2,275,478

LIGHTWEIGHT ENGINE

Lloyd M. Taylor, San Leandro, Calif., assignor, by direct and mesne assignments, to Taylor Engines, Inc., Oakland, Calif., a corporation of Nevada

Application May 6, 1940, Serial No. 333,465
2 Claims. (Cl. 123—56)



1. A light weight engine comprising a pair of cylinders of drawn metal tubing mounted in opposed, spaced relationship with their axes in horizontal alignment, a pair of reinforcing webs united to opposite sides of the skirts of each of said cylinders; said webs on each side of said opposed cylinders being in alignment, a half-bearing on the inner end of each web, means for rigidly connecting said webs together on each side of said opposed cylinders to bring said half-bearings in registry and defining thereby complete crankshaft bearings on each side of said opposed cylinders, and a casing for the engine including a pair of tanks and a pair of crank-cases; each of said tanks including a bottom having an opening therein for passing said cylinders, and each of said crank-cases including a bottom having an opening therein in registry with the openings in the bottoms of said tanks; the edges of all of said openings being turned back to provide flanges to which said cylinders are united.

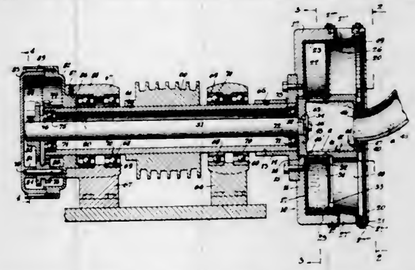
2,275,479

CENTRIFUGAL BLASTING MACHINE

Chester E. Unger, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application December 14, 1939, Serial No. 309,179
16 Claims. (Cl. 51—9)

7. A centrifugal blasting machine operable to throw a concentrated stream of abrasive over a predetermined limited arc including, a rotor comprising a rotatably mounted side wall member and an overhanging rim supported by said side wall member having equally spaced discharge ports therein, a control runner fitting within said rim comprising a plurality of equally spaced abrasive moving vanes whose axis of rotation is concentric with the axis of rotation of said rotor, said runner vanes differing in number from the



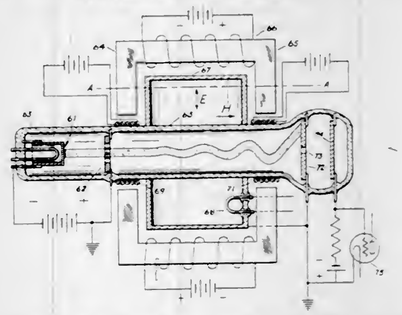
discharge ports in said rotor rim, means for supplying abrasive to the inner surface of said overhanging rim, and means for rotating said rotor and runner in timed relation and at speeds which are in inverse ratio to the number of discharge ports and vanes in said rotor and runner respectively so as to move the successive vanes of said runner into abrasive discharging position with respect to the successive discharge ports of said rotor at a predetermined clockdial position during rotation.

2,275,480

HIGH FREQUENCY ELECTRICAL APPARATUS

Russell H. Varian and William W. Hansen, Stanford University, Calif., and Lindsay M. Applegate, Portland, Oreg., assignors to The Board of Trustees of the Leland Stanford Junior University, a corporation of California

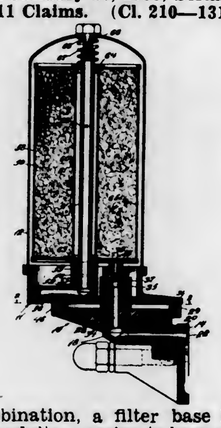
Original application March 1, 1938, Serial No. 193,268. Divided and this application January 24, 1940, Serial No. 315,324
4 Claims. (Cl. 250—36)



1. The method of exciting an electric circuit which consists of projecting a beam of electrons through a substantially unvarying magnetic field and an alternating electric field superimposed on it and perpendicular to it with the magnetic force vector of the magnetic field parallel to and concentric with the axis of the electron beam, thereby producing in the electron beam rotational velocities, causing the rotation of the beam to regulate the entry of its electrons into

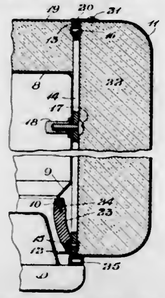
a second electric field producing in the second field fluctuations which are a function of the strength of the first electric field.

2,275,481
ADAPTER FOR BASE MOUNTED FILTERS
James W. Wilkinson, Leicester, Mass., assignor to Fleming Manufacturing Company, a corporation of Rhode Island
Application January 27, 1938, Serial No. 187,113
11 Claims. (Cl. 210—131)



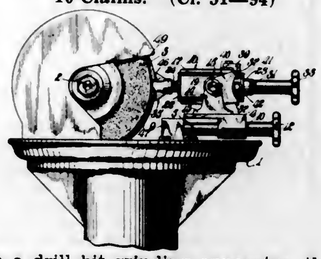
1. In combination, a filter base having inlet and outlet conduits, a casing to be mounted thereon, an adapter member located between said base and casing, an inlet conduit in said member to receive oil from the base and transmit it to the casing, and a discharge conduit in said member to receive oil from the casing and provide a separate discharge therefor independent of the outlet conduit in the base.

2,275,482
REFRIGERATOR CABINET CONSTRUCTION
Charles Russell Ford, Connersville, Ind., assignor, by mesne assignments, to Rex Manufacturing Company, Inc., Connersville, Ind., a corporation of Indiana
Application March 17, 1938, Serial No. 196,567
6 Claims. (Cl. 220—15)



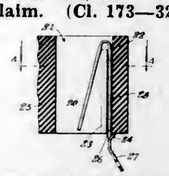
6. In a refrigerator cabinet, an inner liner defining a food compartment, an outer metallic shell spaced from said liner with insulation material therebetween, hanger brackets of poor heat conductivity extending from front to back wall of the outer shell on opposite sides of the liner, the outer shell being provided with inwardly projecting lips or flanges and the ends of said brackets being rigidly connected to said lips or flanges and whereby the brackets serve to reinforce the shell and render the latter more rigid, and means securing the intermediate portions of said brackets directly to said liner and in supporting relation therewith thereby suspending the liner from and in spaced relation with respect to the outer shell.

2,275,483
GRINDING APPARATUS
Robert B. Parker, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 15, 1937, Serial No. 120,768
10 Claims. (Cl. 51—94)



5. In a drill bit grinding apparatus, the combination comprising a grinding wheel having a peripheral grinding surface, and means adapted to support a drill bit to be ground and for moving the drill bit with respect to the grinding wheel periphery during grinding, and embodying means for maintaining the bit axis in a plane perpendicular to the axis of rotation of said grinding wheel during such bit movement, thereby to cause all the points in the surface of the bit to move at the instant of their formation by said wheel in lines tangential to the wheel, said bit supporting and moving means comprising a swingable holder, a barrel adapted to support the drill bit and mounted on said holder for movement, as said holder is swung, rectilinearly in an endwise direction back and forth relative to said wheel and toward and from the latter, along lines lying in a plane perpendicular to the axis of rotation of said wheel, and means for always automatically moving said barrel during bit grinding rectilinearly relative to said holder during swinging of the latter.

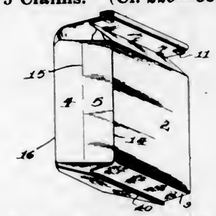
2,275,484
RADIO SOCKET
Milton Alden, Brockton, Mass.
Original application August 4, 1933, Serial No. 683,575. Divided and this application March 10, 1938, Serial No. 195,046
1 Claim. (Cl. 173—328)



A socket comprising a unitary insulating body having a recess open at the front with an extension along one edge and ribs spaced from a wall of the extension forming guide grooves between the ribs and said wall, said grooves extending from a point near the front face of said body completely to the rear face thereof, and a contact member within said recess with a shank

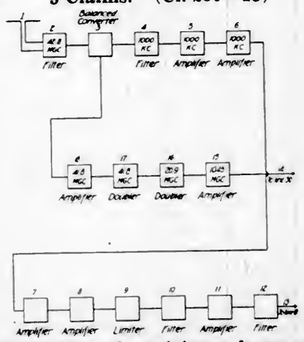
bent over the outer ends of said ribs and having its edges positioned in said grooves, having a tongue extending from the bottom of the recess and having a portion of said tongue bent at an angle to cause it to interlock with said body bottom whereby in assembly the edges of said shank are slidable in said guide grooves, the shank being insertable into said body from the front face thereof to emerge from the rear face of said body through said grooves.

2,275,485
SQUARE BOTTOM BAG
John F. Ames, Selma, Ala.; Evelyn H. Ames executrix of said John F. Ames, deceased
Application December 7, 1937, Serial No. 178,585
5 Claims. (Cl. 229—58)



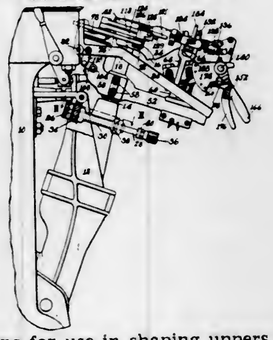
1. A bag of the character described comprising front, rear and side portions and a bottom portion, said front, rear and side portions being composed of relatively stiff, single ply paper and said bottom portion being composed of a material that is more flexible than ordinary calendered paper but which possesses requisite tensile strength, said bottom being closed by uniting said front and rear portions with a part of said side portions folded therebetween.

2,275,486
MEANS AND METHOD FOR RELAYING FREQUENCY MODULATED SIGNALS
Edwin H. Armstrong, New York, N. Y.
Application September 25, 1940, Serial No. 358,207
5 Claims. (Cl. 250—15)



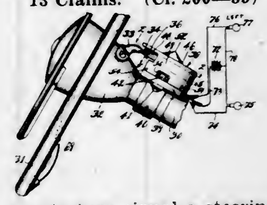
1. The method of receiving a frequency modulated signal wave of predetermined frequency and retransmitting the signal wave at a slightly different frequency, which consists in receiving the wave, generating a low frequency and a higher harmonic of such low frequency, heterodyning the received wave down to an intermediate frequency by a heterodyning current of said higher harmonic frequency, converting the said low frequency to another frequency whose difference therefrom is equal to the frequency difference between the received and transmitted waves, raising the last-named frequency to the frequency to be transmitted by adding to it the intermediate frequency and an appropriate harmonic of said low frequency, and transmitting signal currents of the resulting frequency.

2,275,487
MEANS FOR USE IN SHAPING UPPERS OVER LASTS
John W. Ashley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 20, 1940, Serial No. 357,565
32 Claims. (Cl. 12—4)



1. Means for use in shaping uppers over lasts comprising members constructed and arranged to grip the top marginal portion at the rear part of an upper against a last, an end embracing band for gripping the bottom marginal portion of the upper against the last, means for advancing the band into end embracing position, devices operating independently of each other to close opposite end portions of the band on the upper, and means for tensioning the upper lengthwise before bringing the end portions of the band into pressing engagement with opposite sides of the upper.

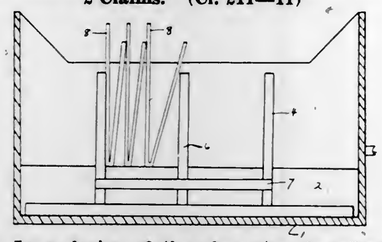
2,275,488
AUTOMATIC TURN SIGNAL
Frank J. Bachmann, Chicago, Ill.
Application September 1, 1939, Serial No. 293,041
13 Claims. (Cl. 200—59)



1. In an auto turn signal a steering standard, a steering wheel thereon, an arm fixed to the wheel and extending above and in spaced relation to the standard, and a switch mounted on the standard having a wheel member actuated by the arm to close an electrical circuit to one or more signals, said switch including stationary contacts and a diametrical movable contact for bridging the same, said wheel member having a notch wider than the movable contact and shaped in the form of two truncated portions meeting at the truncations and means for engaging the movable contact to restrain it from movement for a short interval in an inoperative po-

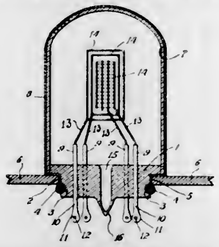
sition, said contacts including three stationary contacts, two of which are spaced apart for right and left signals and adapted to cause continued operation of the signals while the steering wheel is turned and the movable contact is bridging the other stationary contact and either one of said spaced contacts.

2,275,489
STATIONARY SUPPORT
James Edward Bailey and William Archibald Albaugh, III, Richmond, Va.
Application November 26, 1940, Serial No. 367,162
2 Claims. (Cl. 211—11)



1. In a device of the character described in combination with a drawer provided with a recess of a support disposed in said drawer consisting of a base provided with a plurality of stays secured to said base in spaced relation to each other and projecting upwardly into said drawer and having braces respectively secured to each side of said stays so that the latter may more firmly support a plurality of filing folders.

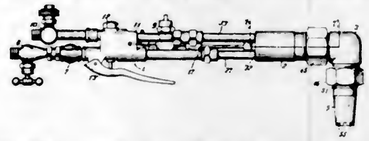
2,275,490
VACUUM TUBE
Alfred W. Barber, Flushing, N. Y.
Application November 20, 1939, Serial No. 305,222
4 Claims. (Cl. 250—27.5)



1. A thermionic vacuum tube including a round glass base forming an integral part of the tube envelope containing embedded therein a plurality of tube terminals and embodying a channel in said base passing substantially around said base, and a circular spring fitted to said channel for clamping said tube to a subpanel.

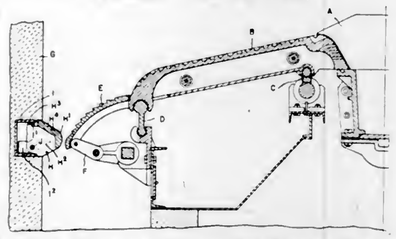
2,275,491
UNDERWATER TORCH
Andrew Barna, Chicago, Ill.
Application October 30, 1939, Serial No. 301,893
3 Claims. (Cl. 158—27.4)

1. An underwater torch, comprising a water cooled main body formed as a handle, a straight head on the outlet end thereof, a rotatably adjustable goose neck attached to said head, a torch tip on said goose neck, a torch-tip shield mounted on said tip, four inlet valves on the inlet end of said body, which are adapted for connection to hoses to supply hydrogen, acetylene, oxygen and compressed air, respectively, to said torch; conduits in said body to provide gas passages from said valves to said head, said head being chambered to provide gas receptacles therein; the hydrogen and compressed air valves being adapted to communicate with corresponding receptacles in said head by means of corresponding ones of said conduits; said acetylene inlet valve being adapted to communicate by means of one of said conduits with a corresponding one of said receptacles, a control valve in said acetylene conduit, said acetylene inlet valve also being provided with a by-pass conduit in communication with said hydrogen receptacle, a control valve in said last named conduit, thereby providing an alternative pilot flame gas supply means; a conduit providing communication be-



tween said oxygen inlet valve and a corresponding one of said receptacles, a control valve in said conduit, two by-pass conduits providing passage for oxygen from said inlet valve respectively to said acetylene receptacle to provide a preheating gas mixture and to said compressed air receptacle; a control valve in each of said last named by-pass conduits; passages through said head and through said tip adapted to communicate respectively with said four gas receptacles, the passages being so disposed in said tip as to provide a central oxygen discharge passage, a series of preheating gas discharge passages surrounding said oxygen passage, pilot gas discharge passages arranged around said preheating gas passages, and compressed air passages directing air from said air receptacle to the interior of said shield to displace water from around the jets from said tip.

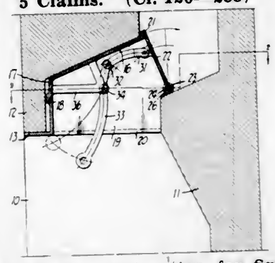
2,275,492
ASH DISCHARGE MEANS FOR STOKERS
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application November 1, 1940, Serial No. 363,950
4 Claims. (Cl. 110—165)



1. In a furnace, the combination with a wall and ash discharge rocker grate bars inclining downward towards said wall, of a metallic member projecting outward from the said wall and inclining downward therefrom into proximity to said grate bars leaving an ash discharge passage therebetween, said member forming an abutment against which ash and clinker are ground, also a ledge adapted to support ash which will prevent the adherence of clinker to the wall and serve to

deflect the same toward the discharge opening, and permitting rocking movement of the grate bars relative thereto.

2,275,493
FIREPLACE DAMPER CONSTRUCTION
Henry A. Benjamin, Oakland, Calif.
Application September 16, 1939, Serial No. 295,294
5 Claims. (Cl. 126—288)



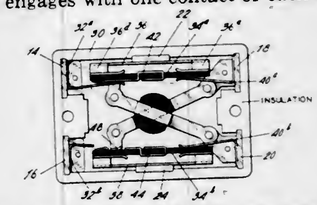
1. In a damper construction for fireplaces, a transversely extending framework adapted for close fitting engagement with the lintel of the fireplace and the side and end walls thereof, said framework including wall means having an upright portion for interlocking engagement with said lintel and an inclined portion extending rearwardly from said upright portion; said framework also including horizontally disposed flanges to be built into the walls of the fireplace in substantial horizontal alignment with the horizontal flange of the lintel, a damper pivotally mounted on said framework for closing a rearward opening in said framework, and means for adjusting said damper to and from open and closed positions; said adjusting means including a V-shaped bracket having one leg secured to said upright wall portion and another leg secured to said enclosed wall portion, an adjusting lever pivotally mounted in said bracket, and a link pivoted to said lever and to said damper.

2,275,494
REACTION PRODUCT
Harry Bennett, Woodmere, N. Y.
No Drawing. Application August 1, 1939, Serial No. 287,747
5 Claims. (Cl. 260—410)

1. A reaction product consisting of a polymerized polyhydric alcohol of a molecular weight in excess of 500 and completely esterified with an organic acid containing more than 5 carbon atoms to the molecule, said product being soluble in water to provide a clear water solution thereof.

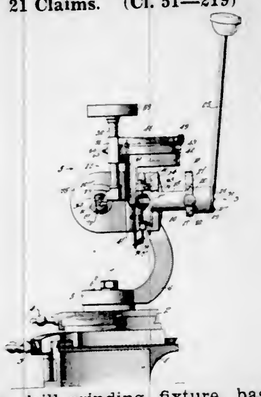
2,275,495
CIRCUIT AND SWITCH FOR REVERSING SINGLE-PHASE MOTORS
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application February 11, 1938, Serial No. 190,074
2 Claims. (Cl. 200—16)

1. In an electric switch, a pair of slidable insulating plates, movable contacts carried by said plates, a pair of fixed switch contacts at one end of said plates, each contact of said pair lying adjacent the opposed surfaces of said plates, a second pair of fixed contacts at the other end of said plates, each contact of said second pair lying adjacent the opposed surfaces of said plates, a third pair of fixed contacts, each contact of said third pair lying adjacent the opposed surfaces of said plates, a fourth pair of fixed contacts lying adjacent the opposite sides of said plates to which the contacts of said first, second and third pairs lie, said plates being movable into three positions in one of which each movable contact engages with one contact of each of said



first and third pairs, and with one contact of said fourth pair, and in a second position each movable contact engages with one contact of each of said first and second pairs and with one contact of said fourth pair, and in a third position each movable contact being disengaged from all said contacts except said first pair.

2,275,496
DRILL-GRINDING FIXTURE
Carl H. Berg, Bloomfield, N. J.
Application September 27, 1940, Serial No. 358,579
21 Claims. (Cl. 51—219)

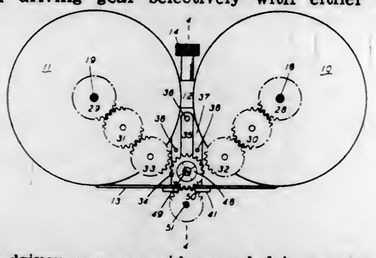


12. In a drill-grinding fixture, base support means for the fixture, an arm adjustably carried by a part of said base support means, a support member carried by the arm, a plate slidably mounted on said support, a shaft supported by the plate, a bracket attached to one end of the shaft, a cam rotatably mounted on the other end of the shaft, operating means connected to the cam, means positioned to be engaged by said cam to force it and the shaft, plate and bracket laterally according to the contour of the cam, a drill chuck carried by said bracket, and pickup means fastened to the shaft and disposed between the cam and said operating means for turning the shaft and parts fastened thereto after a predetermined movement of the cam.

2,275,497
DRIVING CONNECTION FOR FILM-HANDLING APPARATUS EMPLOYING REMOVABLE FILM MAGAZINES
Eric M. Berndt, New York, N. Y., assignor, by mesne assignments, to J. A. Maurer, Inc., a corporation of New York
Application September 21, 1938, Serial No. 231,030
35 Claims. (Cl. 242—55)

23. In combination, a film-handling apparatus,

a film magazine removably attached to said apparatus, a reversible driving gear rotatably supported by said apparatus, a first driven gear and a second driven gear, and gear means connecting said driving gear selectively with either said



first driven gear or said second driven gear, the selection being determined solely by the direction of rotation of said driving gear; said driven gears and said gear means rotatably supported by said magazine, and said gear means including a gear meshing with said driving gear.

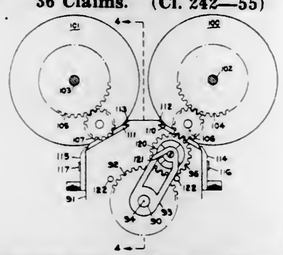
2,275,498

DRIVING CONNECTION FOR FILM-HANDLING APPARATUS EMPLOYING REMOVABLE FILM MAGAZINES

Eric M. Berndt, New York, N. Y., assignor, by mesne assignments, to J. A. Maurer, Inc., a corporation of New York

Original application September 21, 1938, Serial No. 231,030. Divided and this application February 28, 1939, Serial No. 258,905

36 Claims. (Cl. 242—55)



1. In combination, a film-handling apparatus, a reversible driving gear rotatably supported by said apparatus, a first spindle and a second spindle, means for rotatably supporting said first and second spindle, said supporting means being removably attached to said apparatus, and connecting means supported by said apparatus for establishing selective driving connection between said driving gear and either said first spindle or said second spindle, said connecting means including a shiftable gear meshing with said driving gear; said shiftable gear being maintained in driving connection with said first spindle at one end of its shift by the rotation of said driving gear in one direction and with said second spindle at the other end of its shift by the rotation of said driving gear in the reverse direction and shifting automatically when the direction of rotation of said driving gear is reversed.

2,275,499

PLASTIC MOLDING MATERIAL

Elvin M. Bright, Dayton, Ohio, assignor to John M. Wallace, Cincinnati, Ohio, as trustee

No Drawing. Application July 23, 1936, Serial No. 92,157

6 Claims. (Cl. 106—275)

1. The process of producing a composition of matter suitable for use as a plastic molding material including the steps of fusing silica with sulphur into a homogeneous mass and subsequently intermixing the fused silica-sulphur mass with asphalt to form the plastic molding material.

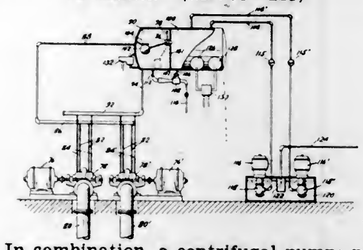
2,275,500

PRIMING SYSTEM FOR CENTRIFUGAL PUMPS

Frank S. Broadhurst, Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey

Application March 8, 1939, Serial No. 260,469

14 Claims. (Cl. 103—113)



2. In combination, a centrifugal pump; means providing a chamber connected to the intake passage of the centrifugal pump; means for evacuating said chamber to raise liquid therein to a level above the intake passage to thereby prime the pump; means controlled by rise of liquid in said chamber to a predetermined level to stop the evacuation of said chamber by said means; means connected to said chamber and subjected to an ejector action of liquid being handled by said pump to cause a rise of liquid in said chamber substantially above said predetermined level; and means for effecting further evacuation of said chamber by the first mentioned evacuating means only when said liquid level falls substantially below the level to which it rises under the action of said last named means.

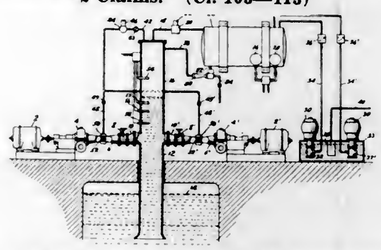
2,275,501

PRIMING SYSTEM FOR CENTRIFUGAL PUMPS

Frank S. Broadhurst, Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey

Application March 8, 1939, Serial No. 260,470

2 Claims. (Cl. 103—113)



1. In combination, a centrifugal pump; means providing a chamber connected to the intake passage of the centrifugal pump for accumulation of gas contained in the liquid being pumped; means connected to the upper portion of said chamber for evacuating said chamber to raise liquid therein to a level above the intake passage to thereby prime the pump; means for interrupting the action of said evacuating means when

the liquid reaches a predetermined level in said chamber; means to effect further removal of gas by an ejector action of liquid being handled by said pump and to thereby raise the liquid level above said predetermined level; means for effecting renewed action of said evacuating means only when the liquid level drops substantially below said predetermined level; and means for completely closing the evacuating connections to said chamber if the liquid rises to a level above that attained by said ejector action, thereby to provide an air cushion in the upper portion of said chamber to prevent the carrying over of liquid into said evacuating connections.

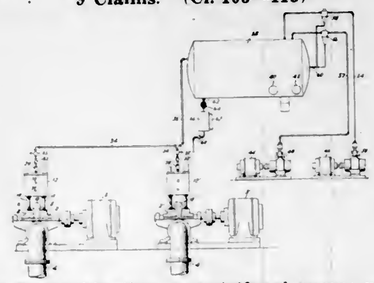
2,275,502

PRIMING SYSTEM FOR CENTRIFUGAL PUMPS

Frank S. Broadhurst, Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey

Application December 6, 1939, Serial No. 307,743

9 Claims. (Cl. 103—113)



9. In combination, a centrifugal pump; means providing a chamber connected to the intake passage of the centrifugal pump for accumulation of gas contained in the liquid being pumped; means connected to said chamber for evacuating it to raise liquid therein to a level above the intake passage thereby to prime the pump; means connected to said chamber and subjected to an ejector action of liquid within the intake passage and being pumped to maintain a partial vacuum in said chamber and a liquid level below the connection with the chamber of the first mentioned evacuating means, said last means comprising a tube opening closely adjacent the shaft of said pump and subjected to the ejector action of liquid adjacent said shaft; and electrically controlled means effective to close communication between the chamber and the first mentioned evacuating means when liquid in the chamber reaches a predetermined level below the level of connection with the chamber of the first mentioned evacuating means.

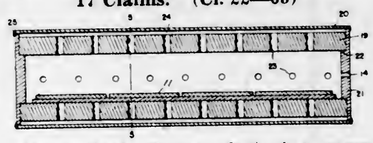
2,275,503

PROCESS FOR MAKING COMPOSITE METAL ARTICLES AND APPARATUS THEREFOR

Walter Brown, Detroit, Mich.

Application December 24, 1935, Serial No. 56,045

17 Claims. (Cl. 22—65)



1. The method of manufacturing composite tubular articles comprising inserting within a carrier tube a series of annular articles, inserting within said tube, metal having a melting point lower than the melting point of said annular articles, sealing the ends of said tube except for a small vent, heating said sealed tube to a temperature above the melting point of said contained metal and spinning said carrier tube to distribute the molten metal on the inside and outside surfaces of said annular articles and cooling said carrier tube while it is spinning.

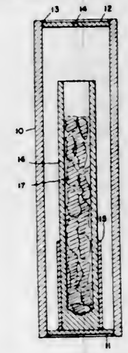
2,275,504

APPARATUS FOR FORMING CENTRIFUGALLY CAST LININGS

Walter Brown, Toledo, Ohio

Application September 22, 1939, Serial No. 296,156

6 Claims. (Cl. 22—203)



1. An assembly for lining articles which comprises an outer shell, a container concentrically arranged within said shell for receiving solid lining material, said container being composed of a material which will not contaminate the lining material when the latter is in molten condition, and means for substantially sealing said shell.

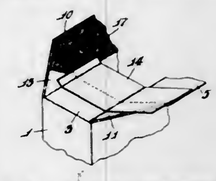
2,275,505

VALVE BAG

Harry H. Crawford and Morgan Rouse, Wellsburg, W. Va., assignors, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a corporation of New York

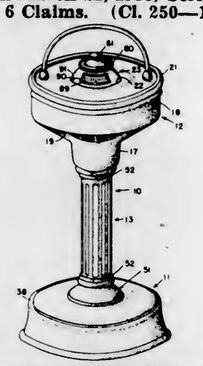
Application March 7, 1939, Serial No. 260,320

3 Claims. (Cl. 229—62.5)



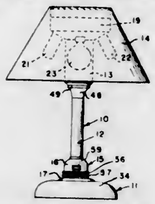
1. A bag of the character referred to having a valve flap and having oppositely disposed end closure flaps formed from the side walls of the bag, a strip of material attached to said valve flap and projecting interiorly of the bag to form a valve extension, said strip of material extending entirely across the width of one of the end closure flaps and only partially across the width of the opposite end closure flap, said strip being folded into sleeve form and the end closure flaps being folded one upon the other and adhered together to close the bag end.

2,275,506
COMBINED ARTICLE OF FURNITURE AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application March 21, 1938, Serial No. 197,280
6 Claims. (Cl. 250—14)



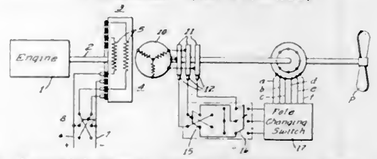
1. In a combined article of furniture and radio receiving set, a stand having a base section provided with top, bottom, and side walls defining an enclosed space, a pedestal extending upwardly from the base, a top section supported on the top of the pedestal and having a top wall, a radio receiving set having a chassis unit suspended from the top wall of the top section and comprising a plurality of parts of a radio circuit, means securing the chassis unit to the top wall of the top section, additional parts of the radio circuit housed in the base section and electrically connected to parts in the chassis unit through the pedestal, tuning control elements located above the top wall of the top section and operatively connected to certain of the parts of the circuit in said chassis through an opening in the top wall of said top section, a loud speaker unit positioned between the chassis unit and upper end of the pedestal, and means for securing the loud speaker unit to the top wall of the top section.

2,275,507
COMBINED ARTICLE OF FURNITURE AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, and Earl W. Dulmage, Detroit, Mich., assignors, by mesne assignments, to said Daniel J. Crowley
Application December 16, 1940, Serial No. 370,404
13 Claims. (Cl. 250—14)



1. The combination with a base section and a pedestal section, of a shell located between the base section and lower end of the pedestal section in concentric relation to the latter, a member removably supported in the base section in concentric relation to the shell and extending into the shell through the lower end thereof, a second member located in the pedestal section in axial alignment with the first member and having the lower end extending into the shell through the upper end of the latter, a coupling located in the shell and threadedly secured to the adjacent ends of said members to clamp the shell to the lower end of the pedestal section, radio receiving apparatus housed in the base section and including an adjustable part, a control element having the central portion supported within the shell for rotation about the axis of the shell and having the peripheral portion extending beyond the side walls of the shell for manipulation, and means operatively connecting the control element to the adjustable part of the radio receiving apparatus.

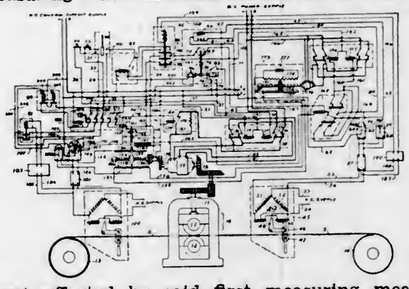
2,275,508
MULTISPEED REVERSING COUPLING
Herman H. Curry, Montgomery County, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1940, Serial No. 361,343
11 Claims. (Cl. 172—239)



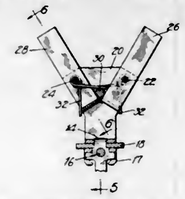
8. A multi-speed dynamo-electric drive comprising, in combination, an electromagnetic coupling having rotatable driving and driven members, one of said members having mounted thereon a salient pole, direct current energized winding and the other of said members having mounted thereon an alternating current phase winding, an induction motor having a squirrel cage rotor mechanically coupled to the driven element of said coupling and a two speed stator winding which is electrically connected to said phase winding, switching means for selectively short circuiting said phase winding, and switching means for selectively connecting said stator winding for securing direct drive through said electromagnetic coupling, for two different numbers of poles, said stator winding being energized solely when said short circuit is removed at which time said phase winding acts as a generator for furnishing power to said stator winding, and switching means operable only upon removal of said short circuit for changing the phase sequence of said phase winding so as to secure two speed operation of said rotor either in the same direction or in an opposite direction of rotation with respect to the driving element of the electromagnetic coupling.

2,275,509
CONTROL FOR ROLLING MILLS
Frank P. Dahlstrom, Poland, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application August 22, 1938, Serial No. 226,047
8 Claims. (Cl. 80—56)

1. In combination with a rolling mill, means positioned in advance of the mill for measuring the thickness of the material entering the mill, means controlled by said measuring means for adjusting the reduction effected by the mill in response to variations in thickness of material entering the mill, a second measuring means positioned beyond the mill for measuring the thickness of the material delivered by the mill and connections operable in the event that the adjustment effected by said first measuring means fails to adjust the mill to produce material of correct thickness whereby said second measuring means modifies the amount of adjustment effected by said first measuring means thereby to produce finished material of the desired thickness.



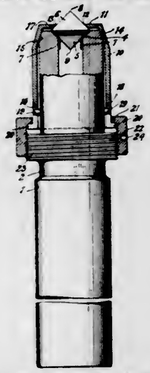
2,275,510
DIRECTIONAL OPERATING MEANS FOR ELECTRIC SWITCHES
Walter L. Dietrich and Robert H. Bentley, Hartford, Conn., assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application September 6, 1940, Serial No. 355,672
3 Claims. (Cl. 200—153)



1. Operating mechanism for an electric switch comprising a rockable operating member formed of sheet metal bent into U-shape, a pair of projecting arms pivotally mounted between the sides of said U-shaped operating member, stop means on said member between said arms limiting the pivotal movement of said arms in opposite directions, individual spring means each anchored at one end by said stop means and pressing said arms in opposite directions, whereby one arm will operate said switch when said arm is moved in one direction but not when moved in the other, and the other arm will operate said switch when moved in said other direction but not when moved in said one direction.

2,275,511
DIAMOND-HOLDING TOOL
Julius Dinhofer, New York, N. Y.
Application May 7, 1941, Serial No. 392,197
3 Claims. (Cl. 125—39)

3. A tool of the character described comprising, a bipyramidal diamond, a holder including a threaded base portion having a recessed seat provided with angular surfaces against which the under facets of the diamond rest, said seat having radially extending slits located between the facet-contacting surfaces in which the meeting portions of the several facets extend, a cap fitted over the seat, said cap having an end wall provided with a square opening to permit protrusion of one pointed end of the diamond, said cap having four angular surfaces for engagement against the outer facets of the diamond, said cap having angular slits between said surfaces in which the meeting portions of the several outer facets are located, an adjusting member rotative on the threaded portion of the holder for adjusting the cap relative to the holder, the cap being



slotted inwardly from one of its ends, and radially extending pins on the holder entrant into said slots to hold the cap against rotative movement while the same is being adjusted relative to the holder.

2,275,512
DIAMOND-HOLDING TOOL
Julius Dinhofer, New York, N. Y.
Application May 20, 1941, Serial No. 394,275
1 Claim. (Cl. 125—39)



In a tool of the character described, a diamond having two substantially coned ends, each end terminating in a point, a holder having a recess in its end in which one of the coned ends of the diamond seats, a cap adjustable on said holder, said cap having a conical and integral end wall formed with a centrally located circular opening through which the second coned end of the diamond extends, said conical end wall tapering in thickness from its outer marginal edge toward the marginal edge of the circular opening and the edge of said wall around said opening terminating in a continuous thin and substantially knife edge, the thin portion of said end wall around said opening being sufficiently resilient to permit the coned portion of the diamond extending through said opening to be wedged therein when the cap is tightened on the holder.

2,275,513

TREATMENT OF TEXTILES AND OTHER SHAPED ARTICLES MADE OF CELLULOSE DERIVATIVES

Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,958. In Great Britain January 19, 1940

3 Claims. (Cl. 8—129)

1. Process for the treatment of textile materials, foils, films and the like having a basis of an organic derivative of cellulose, which comprises heating said materials at a temperature of at least 100° C. until the water-proof properties of said materials are improved, in an esterification medium which has substantially no solvent action on the base of said materials and which contains an organic liquid which has substantially no solvent action on the base of said materials, a compound having a lower aliphatic mono-carboxylic acid radicle containing at most 4 carbon atoms and a compound having a higher aliphatic mono-carboxylic acid radicle containing at least 6 carbon atoms, the total concentration of said acid radicles being from 5 to 10% and at least one of the latter two compounds being present as an anhydride, the volume-ratio of esterification medium to materials being at least 50:1.

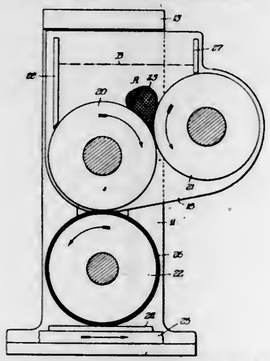
2,275,514

INK FOUNTAIN STRUCTURE

Edward F. Dudley, Oak Park, Ill., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 8, 1939, Serial No. 272,325

7 Claims. (Cl. 101—364)



1. An ink fountain unit, having in combination a train of inking rollers, an inkwell, annular members provided at the ends of at least one of said rollers for obstructing the spreading of ink beyond the ends of the roller or rollers, and means for removing ink accumulated on said members and direct it back into said inkwell.

2,275,515

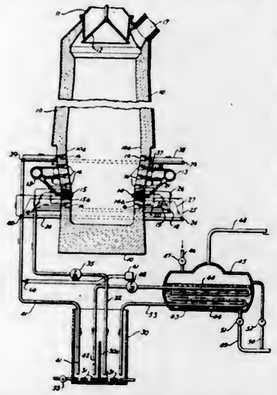
METHOD OF AND APPARATUS FOR COOLING BLAST FURNACES

George S. Dunham, Ardmore, Pa.

Application August 3, 1939, Serial No. 288,081

10 Claims. (Cl. 122—6)

1. In a blast furnace, cooling means for the bosh and tuyères thereof comprising a heat absorbing medium characterized by substantially no vapor pressure and in liquid phase during operating temperatures, and mechanical means for positively circulating said medium at high velocity in intimate heat exchange with said bosh and tuyères.



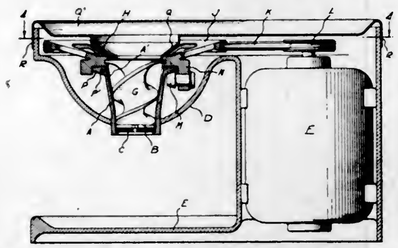
2,275,516

MEAT CHOPPER

Knud Engelsted, Riverside, Conn.

Application December 27, 1939, Serial No. 311,079

1 Claim. (Cl. 146—192)



A meat chopper combining a casing having a fixed hopper outlet portion with an unobstructed intake at one end, and a plurality of longitudinally disposed and inwardly projecting vanes, a threaded screw within the casing and relatively rotatable to the intake end with the pitch at the end of the screw thread being such that a substantial portion of the end turn of the screw extends substantially horizontally across the hopper outlet portion, cooperating therewith and with the longitudinally extending vanes contiguous to the periphery of the screw threads to feed the material through the casing in a linear direction coaxial with the direction of feed of the material through the intake end of the casing, the vanes being coextensive with the screw over a substantial part of the length thereof, and means exteriorly of the casing for driving the screw.

2,275,517

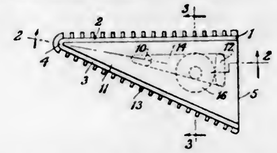
SAFETY RAZOR

Harold C. Fay, Floral Park, N. Y.

Application July 1, 1941, Serial No. 400,585

4 Claims. (Cl. 30—354)

1. In a safety razor, a blade in the shape of a right angle triangle, said blade having two cutting edges of relatively different lengths extending from the base of the triangle to the apex thereof, said blade having an opening therein adjacent the base of the triangle for the reception of a holder handle to provide proper balance for the blade when mounted in a holder.



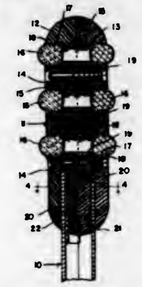
2,275,518

HIGHWAY MARKER

Bruce K. Frank, Birmingham, Harry M. Pryale, Pontiac, and Ward Clinton Smith and William A. Paxton, Detroit, Mich., assignors to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan

Application July 10, 1939, Serial No. 283,680

8 Claims. (Cl. 88—82)



1. In a highway marker, a lens carrying body comprising separable sections cooperating with each other to form said body and having registering bores extending transversely through the body, a lens mounted in each bore and having shoulders engageable with cooperating shoulders in the bores, a yieldable member supported under compression in the registering bores between the adjacent ends of the lenses to hold the shoulders of the latter in engagement with the shoulders in the bores, and a fastener element for clamping the sections of the body together and having the additional function of securing said yieldable member under compression between said lenses.

2,275,519

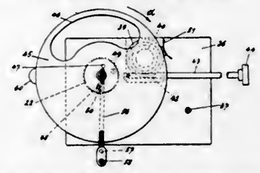
CAMERA FOR TAKING A PLURALITY OF PHOTOGRAPHS ON ONE PLATE

Hans Friederichs, Berlin, Germany

Application February 21, 1939, Serial No. 257,733

In Germany February 22, 1938

7 Claims. (Cl. 88—16)



1. In a camera of the kind described, a case, an objective on the case, a carrier for a sensitized layer mounted to reciprocate horizontally in the case, a manual member, mechanism including a slot wheel and pin gear operatively connecting the manual member and the carrier, a slotted shutter mounted to rotate freely with respect to the mechanism, a spring attached to the shutter at a point positioned eccentrically with respect to its axis, and means operatively connected to the mechanism for turning the shutter until the spring oversteps its tensional dead-center position, said means being so arranged with respect to the shutter that it can move independently of the means after the dead-center position has been overstepped.

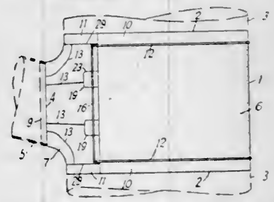
2,275,520

BRANCH FITTING

Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application December 4, 1937, Serial No. 178,074

7 Claims. (Cl. 285—106)



1. A conduit fitting having main and branch portions whose membrane surfaces are joined along lines at opposite sides of the branch portion, said surfaces including arcuate elements of the branch surface in opposed relation to arcuate elements of the main surface at said lines, said branch surface including arcuate elements in opposed relation at lines determining the contour of the fitting in the direction of the branch axis, said opposing branch elements being disposed in planes converging toward the exterior of the fitting at opposite sides of the branch axis and terminating at successive positions along said lines of contour, said opposing elements and said lines of contour being substantially tangent to common planes at said successive positions.

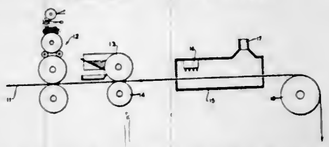
2,275,521

METHOD OF SETTING PRINTING INK

Albert E. Gessler, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

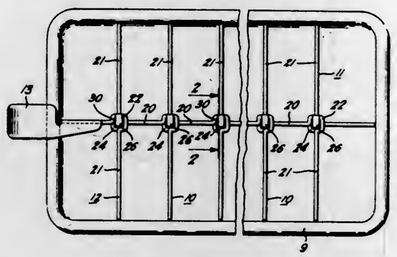
Application July 26, 1940, Serial No. 347,659

4 Claims. (Cl. 101—416)



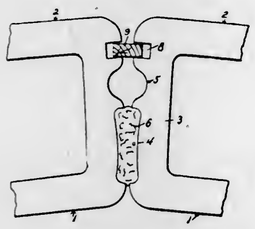
1. The method of high speed printing which comprises applying to a surface a press-stable printing ink comprising a solution of a binder in a solvent substantially non-volatile at ordinary press room temperatures, thereafter applying to the printed surface a combustible liquid volatile at room temperatures, and passing the printed surface through a combustion chamber containing an open flame whereby the added liquid immediately ignites and the liquid and ink solvent are vaporized and the vapors burned.

2,275,522
ICE TRAY
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 16, 1937, Serial No. 120,897
7 Claims. (Cl. 62—108.5)



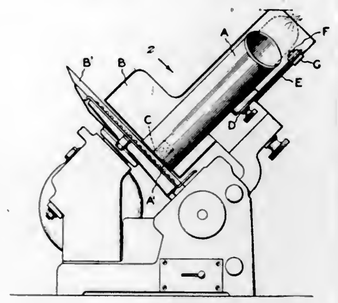
1. A grid for an ice-freezing container, comprising: two metallic sections each embodying at least one partition wall, said sections having a hinge connection normally embedded in the solid ice after the freezing of the container contents, said hinge connection having a snugly fitting resilient rubber hinge pin which permits easy relative hinge movement by torsional distortion thereof even though embedded in hard-frozen ice, said resilient hinge pin also serving to urge said sections to return to their normal relative position after distortion thereof.

2,275,523
SILO AND METHOD OF BUILDING SAME
Martin Goldbeck, Kansas City, Mo.
Application June 20, 1941, Serial No. 399,025
5 Claims. (Cl. 72—6)



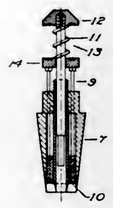
1. The method of constructing a silo of hollow tile staves having three sets of opposed vertical side grooves in the tiles, said method comprising setting tiles staggered side by side in horizontal rings or courses with expansion-point strips in one set of the opposed side grooves, placing horizontal joint slabs between the tiles composing the staves, applying sufficient constricting pressure around the courses to ensure full surface contact between the strips and the tiles, placing dam strips in the set of the opposed grooves farthest from the first mentioned set and after the required height of silo has been reached pouring into the tubes formed between the staves by the third set of grooves a suitable grout to fill said tubes, and after the grout becomes set drawing the staves toward one another to transmit a substantial part of the lateral pressure from one stave to the adjoining staves through said set grout.

2,275,524
AUXILIARY OBJECT FEEDING DEVICE FOR SLICING MACHINES
Sam Gronich, Los Angeles, Calif., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn., a corporation of New York
Application December 2, 1939, Serial No. 307,235
3 Claims. (Cl. 146—102)



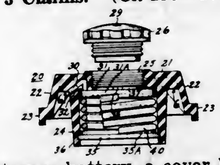
1. A slicing machine combining a knife, a carrier reciprocable with respect to the knife having a V shaped platform for support thereon of objects to be guided to the knife, an open ended container beneath one side of the platform shaped to embrace and hold and to guide to the knife objects to be cut; said container having a biased end pivotally attached at a point beneath said side of the platform adjacent the plane of the knife, for angular adjustment of the container with respect to the knife; the pivot and adjustment means being arranged for swing of the container substantially parallel to the bottom of the platform beneath the side thereof, and the bias of the end of the container being such as to preclude projection of the container into the plane of the knife on angular adjustments of the container.

2,275,525
COMBINATION PUNCH FOR NONMETALLIC WASHERS
Carl L. Halmrast, Vancouver, British Columbia, Canada
Application October 21, 1940, Serial No. 362,096
4 Claims. (Cl. 164—33)



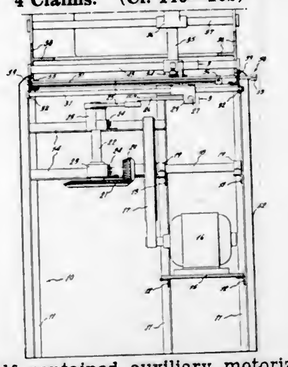
1. A punch of the character described comprising a slidable head, a cutter secured to the lower end of said head, a second cutter coaxial with said first cutter and connected thereto, a center ejector member, a second ejector member between said cutters, and means between said ejector members for successively operating the same upon reciprocation of said head.

2,275,526
NONOVERFILL DEVICE
Robert H. Hill, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1939, Serial No. 274,150
3 Claims. (Cl. 136—178)



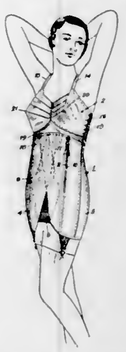
3. In a storage battery, a cover having a filler opening and a skirt depending a predetermined distance below the underside of the cover and providing a continuation of the filler opening, said cover providing a seat within the skirt, said cover also being provided with a by-pass having one end terminating in the space exterior of the skirt and under the cover and the other end terminating at the seat, a hard acid resisting ring located within the skirt and adjacent the seat; a C-washer of hard acid resisting insulating material supported at the lower end of the skirt; a helical glass spring disposed between the ring and the washer; and a vent plug screwed into the top of the cover and having a portion adapted to engage the ring to move the ring away from the seat and compress the glass spring, said spring urging the ring against the seat to seal the by-pass when the plug is removed from the cover.

2,275,527
AUXILIARY MOTORIZED BASE FOR RECIPROCATING AT WILL THE OBJECT HOLDER OF SLICING MACHINES
Fred Hirsch, Los Angeles, Calif., assignor to Globe Slicing Machine Company, Stamford, Conn., a corporation of New York
Application July 27, 1939, Serial No. 286,772
4 Claims. (Cl. 146—102)



1. A self contained auxiliary motorized base for mechanically reciprocating a manually operable object holder of a slicing machine independently of the cutting knife; combining with a slicing machine having a movable object holder arm; of locking means carried by the object holder arm and movable therewith; a motor independent of the slicing machine, reciprocating means operated by said motor adapted to engage with the locking means; mechanism to hold the locking means in inoperative position; a switch for the motor and means for concurrently operating the switch with the locking means.

2,275,528
FOUNDATION GARMENT
Mack Kahn, Cedarhurst, N. Y.
Application May 17, 1939, Serial No. 274,130
1 Claim. (Cl. 2—30)

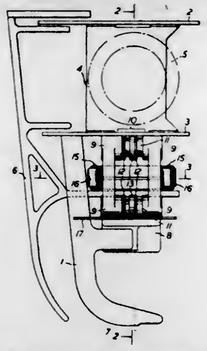


A combination garment comprising a corset and a brassière adapted to encircle the body of a person when in use, said brassière being open on one side from top to bottom and said corset being formed as a step-in structure and formed at one side of the front with an opening extending from the top of the corset to near the hipline thereof, a slide fastener for disengageably securing said opening together, said corset having a stiffened continuous non-elastic front portion adapted to cover the diaphragm and abdomen from a point below the hipline to a point slightly above the waistline, longitudinally extending circumferentially elastic side sections extending from the bottom of the corset to the top of said brassière, said side sections functioning to mold and somewhat constrict the hips, abdomen and diaphragm, and a longitudinally elastic rear panel extending from the bottom of the garment to a point above the waistline, said brassière having a pair of breast pockets positioned to support the breasts of the user, stitching for permanently securing one side edge of said brassière to one side edge of one of said side sections above the waistline of the garment, a circumferentially elastic panel having its upper edge stitched to the lower edges of said breast pockets and its lower edge slidably fitting beneath the upper end of said front portion, and disengageable fastening means for disengageably securing the edge of said brassière to one side edge of the other of said side sections above the waist-line of the garment, said fastening means extending from the top of said brassière to the lower edge of said elastic panel.

2,275,529
CIRCULAR LOOM
Edward Kinsella and Alfred Cross, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application November 14, 1940, Serial No. 365,612
In Great Britain December 2, 1939
10 Claims. (Cl. 139—13)

1. A circular loom of the character described, comprising shuttles each of which carries a pair of rollers well spaced apart from each other in the lengthwise direction of the shuttle and a pair of flanged rollers disposed substantially midway in the lengthwise direction of the shuttle between the first pair of rollers, a circular

race against which the first pair of rollers bear at one side of the shuttle and a rotatable vane-



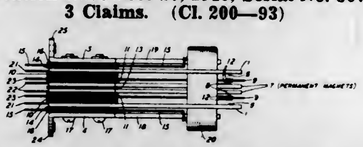
wheel for each shuttle to contact with the pair of flanged rollers at the other side of the shuttle.

2,275,530
CIRCUIT FOR THE ELECTRIC TRANSMISSION OF INTELLIGENCE
Georg Emil Knausenberger, Berlin, Germany, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany, a company
Application September 11, 1940, Serial No. 356,278
In Germany September 26, 1939
7 Claims. (Cl. 179—1)



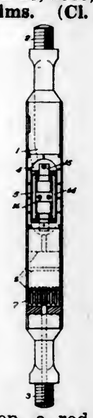
1. A circuit arrangement for the electric transmission of intelligence, comprising a symmetric three-wire system, two double-wire systems, and coupling means to couple the three-wire system to the double-wire systems, comprising a coil connected across one of the double-wire systems and a coil connected across the other of the double wire systems, said coils being arranged to cross each other and being magnetically coupled to a coil group connected to the three-wire system.

2,275,531
RELAY
Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1940, Serial No. 367,341
3 Claims. (Cl. 200—93)



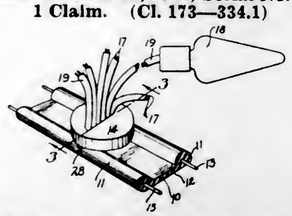
1. In a relay, a pole-piece of magnetic material, a permanent bar magnet, a reed armature positioned between said pole-piece and said magnet and insulated therefrom, said armature being normally attracted into conductive engagement with said magnet and a coil surrounding said magent and said armature and energizable to cause said armature to be repelled out of engagement with said magnet and attracted into conductive engagement with said pole-piece and to maintain the full magnetization of said magnet.

2,275,532
OIL WELL STRAIN GAUGE
Edward H. Lamberger, Wilkinsburg, and Bernard F. Langer, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1939, Serial No. 268,500
4 Claims. (Cl. 265—1)



1. In combination, a rod for use in oil well pumping equipment, said rod being provided with a chamber within said rod at an intermediate portion of said rod, a rugged magnetic strain gauge within said chamber including an armature and a core having a coil mounted thereon, which armature and core are respectively connected to spaced points of said rod which points move relative to each other in response to stretching of said rod as the result of tension applied thereto, closure means for completely sealing said chamber and magnetic strain gauge, and including a flexible diaphragm secured to said rod and bodily contained within the confines of said rod and in communication with said chamber for equalizing the pressure within said chamber with that of the atmosphere surrounding said rod, said chamber containing a body of oil surrounding said magnetic strain gauge.

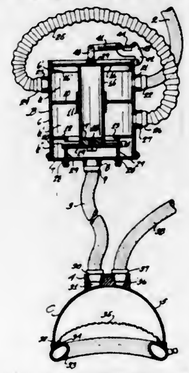
2,275,533
CHRISTMAS TREE ILLUMINATING SYSTEM
William R. Landy, Minneapolis, Minn.
Application March 28, 1940, Serial No. 326,396
1 Claim. (Cl. 173—334.1)



In a device of the kind described, a ribbon, the body of which is made of flexible resilient material that is an electrical insulator, said ribbon having substantially tubular marginal portions and an intervening flat portion, said tubular portions having self-closing slits that are substantially in the plane of an exposed face of said ribbon, and electric lead wires embedded in the tubular marginal portions of said ribbon at the inner extremities of the slits thereof, in combination with a coupling head formed with a hub

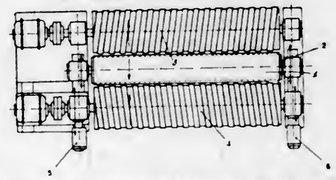
provided with diametrically projecting sharp edged contact blades for opening and entering said slits upon rotation of said hub, to make contact with said lead wires, said contact blades having circuit leads, and said coupling head having outstanding knobs for engaging and pressing against the tops of the tubular portions of said ribbon upon said rotation of the hub and thereby insure pressing of the slit portions of said ribbon against said contact blades.

2,275,534
ANESTHESIA APPARATUS
Alexander S. Langsdorf, St. Louis, Mo.
Application September 27, 1940, Serial No. 358,643
13 Claims. (Cl. 128—188)



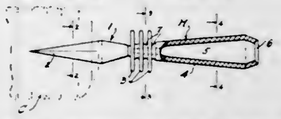
8. Anesthetic administering apparatus comprising an applying-member, a supply line connected with said applying-member, a source of fluid supply connected to the other end of said supply line, valve means in said supply line intermediate the source of fluid supply and the applying-member, additional means on the fluid supply side of said valve means and cooperating with said valve means actuatable by explosive increases of pressure on the fluid supply side of said valve means for closing said valve means against the flow of fluid therethrough toward the outlet end and the applying-member, and means creating a lag in the fluid course between said additional means and the opening closed by said valve.

2,275,535
CALENDERING MACHINE
Alessandro Magnani, Broni, Pavia, Italy, assignor to F. L. Smidth & Co. A/S, Copenhagen, Denmark, a corporation of Denmark
Application February 9, 1937, Serial No. 124,942
In Italy February 22, 1936
4 Claims. (Cl. 25—30)



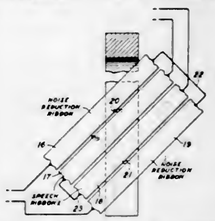
1. A machine for calendering tubes and other hollow cylindrical bodies of fibrous cement, comprising a rigid roller mounted for rotation about its own axis and adapted to support the tube internally, and at least one revolving calendering roller adapted to press against the outside of said tube, the calendering surface of said roller consisting of at least one flat helical band of rectangular cross-sectional area the convolutions of which are spaced by a groove of width substantially equal to that of the band and sufficiently deep to prevent the bottom portions thereof contacting with the wall of the tube being calendered, said band extending throughout the length of the roller and the groove formed between the convolutions of the band being of uniform depth.

2,275,536
HOT VEGETABLE HOLDER
Anthony Maisto, Brooklyn, N. Y.
Application July 7, 1939, Serial No. 283,168
4 Claims. (Cl. 294—5)



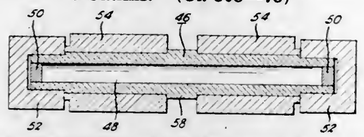
1. A metal holder comprising a prong of angular cross-section; a hollow handle alined with the prong and open at the end remote from the prong and of small cross-section at the end nearer the prong; a hollow stem alined with and connecting the prong and handle and having its hollow communicating with the hollow of the handle; said stem comprising narrow portions of small diameter, and intervening spaced disk-like radiating webs of large diameter having large radiating faces adapted to receive and radiate heat transmitted from the prong.

2,275,537
FILM SOUND RECORDING SYSTEM
Emanuel C. Manderfeld, Los Angeles, Calif., assignor to Western Electric Company, Incorporated, a corporation of New York
Application November 21, 1939, Serial No. 305,447
2 Claims. (Cl. 179—100.3)



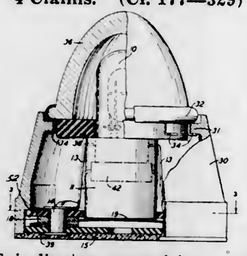
1. In a recording system, a source of light, a light sensitive medium moved at constant speed, means for controlling the light transmitted from said source to said medium comprising an opaque member having two elongated apertures displaced in the direction of movement of said medium and having their nearest short sides in alignment and four electrically conductive ribbons suspended in a constant magnetic field and inclined to the axes of said apertures, the outer ribbons being connected in serial relationship and the inner ribbons being connected in serial relationship, means for supplying signal currents to the inner ribbons to move said ribbons in accordance with the instantaneous values of the signal currents, and means to supply currents derived from said signal currents to the outer ribbons to move said ribbons in accordance with the envelope of the signal currents.

2,275,538
LUBRICATING SYSTEM
John T. Marvin and Earl S. Patch, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application January 28, 1938, Serial No. 187,380. Divided and this application August 7, 1940, Serial No. 351,702
6 Claims. (Cl. 308—78)



6. A self-lubricated shaft assembly comprising; a shaft having at least the entire bearing portion thereof completely formed from porous metal, an oil reservoir extending axially of the shaft, said reservoir being adapted to hold a lubricant and communicating with said porous metal bearing portion whereby oil contained in said reservoir is fed to the bearing portion of the shaft by capillarity within the inter-communicating pores of the porous metal portion.

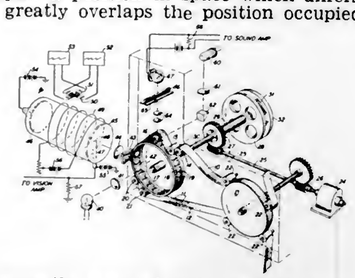
2,275,539
TELEPHONE CALL INDICATOR
Emil C. Matthews, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,863
4 Claims. (Cl. 177—329)



1. A call indicator comprising a visual signal having a glass bulb and a sleeve affixed thereto, a socket for supporting said bulb in an upright position including means mounted thereon and embracing the sleeve of said signal, a housing upon which said socket is removably mounted having an opening at one end through which the glass bulb of said signal extends, a lens, means for holding said lens on said housing so as to enclose the opening in said housing and cover said glass bulb, and means comprising a cushion interposed between said glass bulb and said lens holder for maintaining said glass bulb resiliently spaced from said housing and said lens.

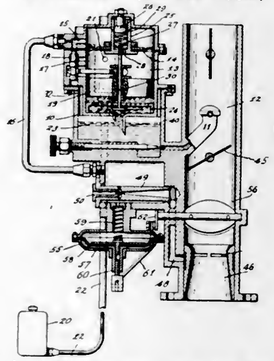
2,275,540
SOUND FILM PROJECTOR FOR TELEVISION SCANNING
Charles F. Mattke, Jackson Heights, N. Y., and Roy V. Terry, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1941, Serial No. 373,932
12 Claims. (Cl. 178—5.8)

1. The combination with a wheel-like rotatable element, the peripheral portion of which is in part at least light conducting and of width as great as that of a motion picture film, of means for continuously rotating said element, reels and guides for holding and guiding a motion picture film to cause portions of it to successively contact the outer surface of said peripheral portion and to move therewith, means for scanning each frame of said film in transverse elemental strips so that each strip at a particular instant in the course of scanning said strip occupies a position in space which differs from but greatly overlaps the position occupied by a



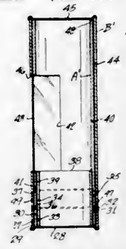
subsequently scanned strip of said frame at a corresponding instant in the course of its scanning, said scanning means including means for directing a beam of light through the peripheral portion of said wheel-like element and stationary means for receiving said beam of light after it has passed through said peripheral portion and through a film frame instantaneously in contact with said peripheral portion, and stationary film-sound-track reading means adjacent said wheel-like element.

2,275,541
FUEL LIFT CARBURETOR
Harold W. Meade, Covington, Ind.
Application September 17, 1936, Serial No. 101,214
11 Claims. (Cl. 158—36.1)



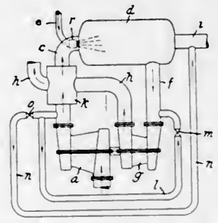
3. In a fuel-feed system, a fuel-feed chamber, a fuel-supply tank open to atmosphere and connected to said fuel-feed chamber, an air chamber adapted for connection to air-exhausting means, means providing a passage connecting said two chambers and communicating with said fuel-feed chamber at a point slightly below the maximum fuel level therein whereby fuel will enter the passage as such maximum fuel level is approached, a valve in said passage, a pressure-responsive element responsive to the differential in fluid pressures at opposite ends of said passage and operatively associated with said valve, said fuel-feed chamber being provided with an outlet port near its bottom, an outlet valve controlling said outlet port and operatively connected to said pressure-responsive element to be closed thereby in response to the effect of differential pressures thereon, said passage being restricted to an extent such that fuel-flow through it cannot occur without the creation of a pressure-differential sufficient to cause said pressure-responsive element to close said first named valve.

2,275,542
CONTAINER
William L. R. Menges, St. Louis, Mo.
Application October 20, 1938, Serial No. 235,985
7 Claims. (Cl. 206—44)



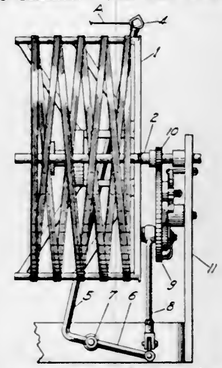
1. A container comprising an open-topped cylindrical inner shell having a transverse bottom wall and a segmental window in the side wall thereof, an outer open-bottomed tubular shell having a transverse top wall and being rotatably mounted on and around the outer peripheral face of the inner shell and having an aperture therein for optional registration with the window, means on the inner shell for holding the outer shell against longitudinal translation, said outer shell being detachably secured to said means for providing when detached a closure cap removably disposed across the open end of the inner shell.

2,275,543
CONSTANT PRESSURE GAS TURBINE
Adolf Meyer, Kusnacht by Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application July 16, 1940, Serial No. 345,803
In Germany July 24, 1939
9 Claims. (Cl. 263—19)



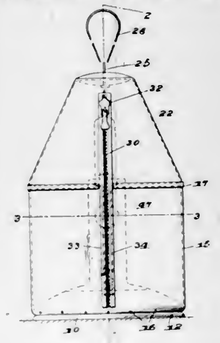
1. A process for providing hot gases under pressure for metallurgical and similar uses by means of a system including an air compressor, a constant pressure hot gas turbine in driving relation with said compressor, and a combustion chamber, which comprises supplying fuel to said combustion chamber, supplying to said combustion chamber from said air compressor air in amount sufficient for the combustion of said fuel together with an excess of air including an amount of air sufficient to provide at least a substantial portion of the hot gas required for use externally of said system, passing a portion of the products of combustion and admixed air as driving gases to said gas turbine and withdrawing the remaining portion of the products of combustion and admixed air as useful hot gas for use externally of said system.

2,275,544
APPARATUS FOR WINDING SKEINS OF YARN
John W. Miller and Howard C. Thrasher, Parkersburg, W. Va., assignors to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware
Application April 2, 1940, Serial No. 327,414
9 Claims. (Cl. 242—53)



1. Means for winding skeins of yarn comprising a reel, guide means for directing the yarn onto the reel, and means for moving the guide means relatively back and forth across the face of the reel including a link operatively connected to the guide means, an eccentric means connecting the link to a driving means, and means for intermittently actuating the eccentric means to shift the link relative to the driving means.

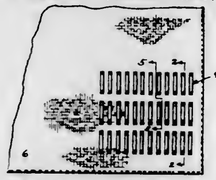
2,275,545
CROCHET KIT
Ida D. E. Miller, Kelso, Wash.
Application August 2, 1940, Serial No. 349,677
2 Claims. (Cl. 242—138)



1. In a crochet kit, a base member, a spindle rising from the base member and adapted to support a spool of cotton, a thread guide removably connected to the base member and formed of a strip of wire bent intermediate its ends to form parallel vertical portions spaced from the spindle,

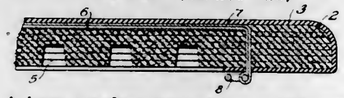
the free ends of the wire being bent at substantially right angles to the vertical portions, means for removably connecting the free ends of the wire in the base member, a disc having an axially and horizontally disposed thread-receiving passage and a pair of vertical passages to receive the vertical portions of the wire, said disc being slidably mounted on the vertical portions.

2,275,546
CLEANING DEVICE
Mary Motto, Denver, Colo.
Application January 3, 1941, Serial No. 372,969
1 Claim. (Cl. 15—208)



A cleaning device comprising, a textile fabric provided with spaced parallel threads interconnected by transverse threads, a plurality of metal abrasive elements attached to the fabric, said elements having each a substantitally straight central portion terminating in looped ends positioned to one side of the central portion, the looped ends each embracing at least one of the parallel threads, whereby the center portions overlie the fabric on one side and portions of the loops are exposed on the other side, the center portions and the exposed loop portions forming abrasive means of different characteristics.

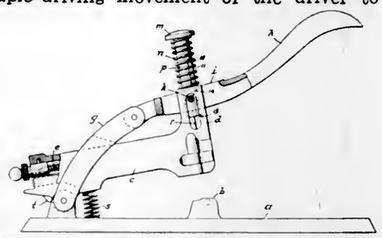
2,275,547
BASE MARKER
Warren W. Mouch, Columbus, Ohio
Application February 27, 1940, Serial No. 321,077
7 Claims. (Cl. 273—25)



7. A base marker comprising a flat rectangular member having a core section composed of a plurality of fabric sheets impregnated with relatively resilient rubber, an anchor strap recessed into the upper portion of said core section, a cover section of tough wear-resisting material substantially enclosing said core section, the ends of said anchor strap extending downwardly through the core and lower portion of said cover section in spaced relation from the edges thereof, and means carried by said strap for the reception of anchor spike means.

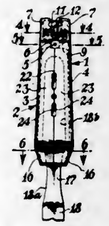
2,275,548
STAPLING MACHINE
Oscar E. Olsen, Philadelphia, Pa., assignor to Acme Staple Company, Camden, N. J., a corporation of New Jersey
Application August 16, 1940, Serial No. 352,863
7 Claims. (Cl. 1—3)

1. In a stapling machine including a staple driver and its holder; means allowing retraction of the staple driver when its down stroke is completed while preventing its retraction unless its downstroke is completed, said means comprising a wedge-shaped channel between the driver and its holder; a ball which, when free to move, enters said channel and by its wedging action prevents upward movement of the driver while allowing downward movement thereof; means operable only in the completion of the downward staple-driving movement of the driver to dis-



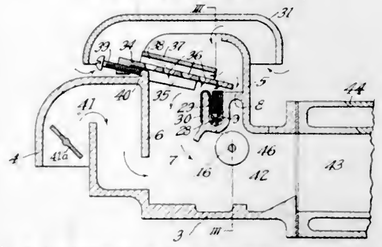
lodge the ball from said wedge-shaped channel and lock it from returning thereto; and means operable in the upward movement of the channel to unlock said ball.

2,275,549
TOOTHBRUSH RETAINER
Benjamin Oshman and Joseph Oshman, New York, N. Y.
Application March 11, 1940, Serial No. 323,310
8 Claims. (Cl. 312—112.5)



1. A tooth brush retainer adapted to receive the brush head consisting of a receptacle comprising two elongated severable parts, a hinge securing the ends of said parts whereby they are swingable transversely of each other about said hinge toward and away from each other, the opposite ends of said parts having conjoint outlets for the brush handle, each of said parts having a hollow extension beyond said hinge, and a spring located within said extensions normally pressing them apart to maintain said parts closed for retention of the brush head within the parts, whereby simultaneous pressing of said extensions contrary to the tension of said spring will cause said parts to swing away from each other for removal of the brush from the retainer.

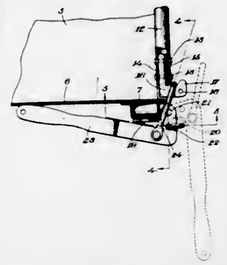
2,275,550
HYDROCARBON BURNER
Merlin E. Palsgrove, Columbus, Ohio
Application March 20, 1940, Serial No. 324,994
8 Claims. (Cl. 158—91)



1. A hydrocarbon burner comprising a casing

having an internal combustion chamber, an open-topped fuel-receiving well extending transversely and horizontally across said chamber between the top and bottom thereof, a primary air inlet entering said chamber above said well, a perforated air distributing plate positioned in said chamber and extending substantially across the same between said air inlet and the top of said well, a secondary air inlet entering said chamber below said well, and an outlet for gaseous products of combustion disposed below said well and on the opposite side of said well from said secondary air inlet.

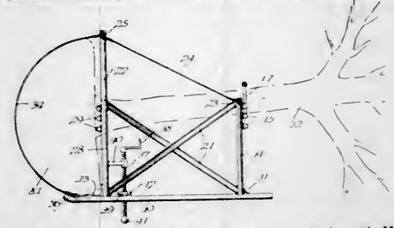
2,275,551
ENDGATE LOCK
Robert L. Perrin, Conway, Kans., assignor of one-half to Dayton R. Yoder, Conway, Kans.
Application October 14, 1940, Serial No. 361,180
2 Claims. (Cl. 292—247)



2. A tail gate fastening device for a truck body having vertical side walls and a tail gate at the rear end of the body with its lower end pivotally connected with the body, comprising a laterally projecting keeper hook fastened to the upper portion of the tail gate at each end, a horizontally disposed support bracket at each side of the truck body, an acute angled lever pivotally connected with each support bracket and arranged horizontally on the body, the said lever having a relatively short knuckle portion pivotally connected with the support bracket and extending laterally of each side wall in locking position, the said lever also having a relatively long handle portion disposed at an acute angle with the knuckle portion, a U-shaped link pivotally connected with the handle portion of the lever just inward of the connection of the knuckle portion therewith, the said link being adapted to engage the keeper hook at each end of the tail gate in gate fastening position, the said lever having an aperture through the knuckle portion adjacent its juncture with the handle portion, and a hook removably inserted in the aperture in the knuckle at one side of the link so as to obstruct movement of the link and opening movement of the lever for locking the latter in gate fastening position.

2,275,552
TREE TRANSPLANTING DEVICE
Acy L. Pearson, Memphis, Tenn.
Application January 17, 1939, Serial No. 251,410
11 Claims. (Cl. 214—3)

1. In a device for transplanting trees, a skiddable cradle having a substantially flat bottom portion, means spaced lengthwise of said cradle for supporting a tree in prone position, and adjustable prop means on said cradle adjacent the ball of a tree carried thereby adapted to be caused to engage the ground and to react therewith for lifting the cradle and supporting it for



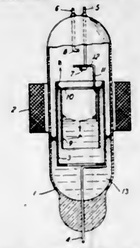
rotation about a vertical axis, substantially as set forth.

2,275,553
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application March 22, 1939, Serial No. 263,550
7 Claims. (Cl. 45—138)



4. In combination, a trim panel including a foundation having an elongated slot formed therein, and a spring stud fastener having a head adjustable along the length of said slot, said head including portions yieldingly and firmly engaging both sides of said foundation over substantial areas at each side of said slot and a portion connecting said portions, said connecting portion being disposed in said slot.

2,275,554
SWITCHING DEVICE
Charles E. Pollard, Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1941, Serial No. 392,213
3 Claims. (Cl. 200—112)

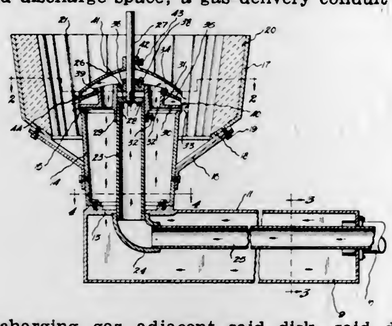


1. In an electric switch, an envelope having a pool of mercury in the bottom thereof, a tubular armature movable within said envelope having its lower end immersed in said mercury, a contact member carried by said armature, other contact members for engagement by said first contact member, electromagnetic means for moving said armature and means operable to cause the surface tension of said mercury to render said armature operable in a first step upon a predetermined energization of said electromagnetic means and to render said armature operable in a second step upon an increased energization of said electromagnetic means.

2,275,555
GAS BURNER
John J. Power, Detroit, Mich.
Application August 21, 1939, Serial No. 291,179
8 Claims. (Cl. 158—7)

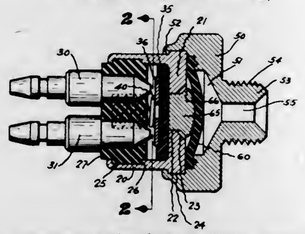
1. In a gas burner of the class described, a well

open at one end; means for supplying air to said well, a cover disk positioned over the open end of said well and spaced therefrom to provide an air discharge space; means for securing said cover disk in various positions with relation to the open end of said well for varying the size of said discharge space; a gas-delivery conduit for



discharging gas adjacent said disk, said disk separating the discharged gas from said well; and deflecting means positioned adjacent said cover disk and spaced therefrom to provide a gas outlet space and to deflect the gas issuing from said space, said cover disc lying between said deflecting means and said well.

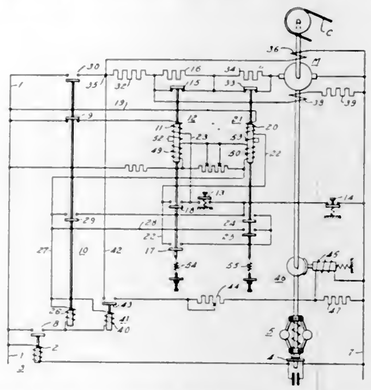
2,275,556
SWITCH
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 26, 1940, Serial No. 354,171
8 Claims. (Cl. 200—83)



1. A pressure actuated switch comprising, in combination, a housing; cooperating contacts in said housing, one of which is movable and yieldably held out of engagement with the other; a plunger slidably supported in a wall of the housing for actuating the movable contact, a compressible, insulating pad interposed between the plunger and movable contact, said pad supporting said contact, a cap secured to the housing and providing a pressure receiving chamber; and a diaphragm clamped between the cap and said wall of the housing and engaging the plunger.

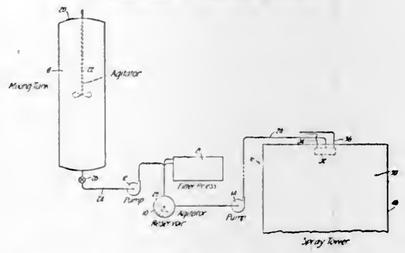
2,275,557
AUTOMATIC DYNAMIC BRAKING CONTROL
David E. Renshaw, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1940, Serial No. 362,931
7 Claims. (Cl. 172—179)

6. In a system of control for a direct current motor, in combination, a source of direct current, a resistor, a motor having an armature winding, said resistor and armature being connected in series and connected to said source of direct current, a dynamic braking resistor and series type field winding connected in series, both connected in parallel with the armature winding of the motor, a main field for the motor connected to be energized at a constant value, said field windings acting cumulatively, whereby the excitation



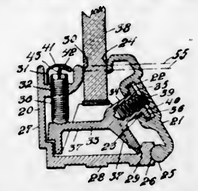
effect of the series type field winding always rises when the change of load is negative, means for producing a dynamic braking effect when the load becomes overhauling, and means for disconnecting the motor from the source of direct current when the current in the series type field winding is in excess of a given value, and means for braking the load to a stop upon operation of said last named means.

2,275,558
COMPOSITION FOR ELECTRICAL INSULATION AND OTHER TECHNICAL USES
William C. Rodgers, East Orange, N. J., assignor, by mesne assignments, to Halowax Corporation, a corporation of Michigan
Application June 10, 1938, Serial No. 213,003
5 Claims. (Cl. 106—230)



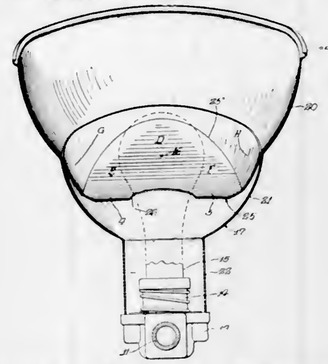
1. Meltable compound which is solid at room temperatures comprising a plurality of ingredients at least one of which is a normally solid, toxic halogenated aromatic hydrocarbon and another of which is a normally solid ingredient of the class consisting of resins, asphalts and waxes, said ingredients being adapted to be melted together to form a homogeneous fluid mass, the proportions of the ingredients being such that when the mass is in solid condition the ingredients are present beyond their limits of mutual solubility, said compound being in the form of pellets of the solid compound and of substantially uniform composition.

2,275,559
WINDOW SASH CONSTRUCTION
Sigmond Rosenblatt, Cranston, R. I.
Application June 1, 1939, Serial No. 276,775
4 Claims. (Cl. 20—56.4)



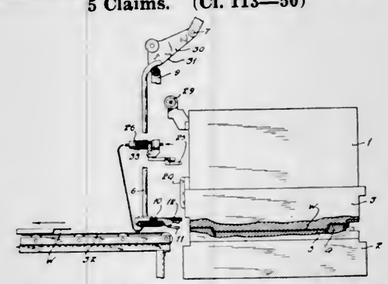
1. In a sash construction, a front frame section and a rear frame section pivotally related and movable towards each other and provided with opposed glass contacting surfaces, said front frame section having a groove therein provided with a restricted opening and extending lengthwise thereof, a lever member having an enlarged portion provided with an opening and slidably mounted in said groove, a spring in said opening and extending therefrom into engagement with the wall of said groove opposite to said opening and tensioned to move said enlarged portion into engagement with the walls of said groove adjacent to said restricted opening to resiliently secure said lever member to said front frame section, and means for applying a force on said lever member to relatively move said glass contacting surfaces towards each other to clamp the glass therebetween.

2,275,560
SIGN LIGHT
Dirk G. Saaf, Chicago, Ill., assignor to Goodrich Electric Company, Chicago, Ill., a corporation of Illinois
Application May 26, 1938, Serial No. 210,154
4 Claims. (Cl. 240—103)



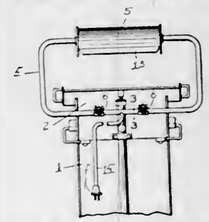
1. A reflector for providing substantially uniform distribution of light on a sign board when positioned close to the board and adjacent one edge thereof comprising, in combination, a bowl-shaped member of enameled metal arranged to provide general diffused illumination on the sign board and a polished metal reflecting element positioned within said bowl-shaped member and having reflecting surfaces arranged to reflect light to the corners and edge portions of the sign board, said polished metal reflecting element having a substantially central lamp receiving aperture, reflecting surfaces on opposite sides of said aperture arranged to direct light to the mid-portions of the sides of the sign board, concave reflecting surfaces above and below said aperture arranged to direct light to the upper portion of the sign board and forwardly directed surfaces along its side edges joining said bowl-shaped member and arranged to reflect light to the lower outer portions of the sign board.

2,275,561
WORK REMOVING APPARATUS FOR PRESSES
Henry Sahlin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 19, 1940, Serial No. 357,453
5 Claims. (Cl. 113—50)



1. In an apparatus for removing work from a press or other like machine, the combination with two relatively movable members such as the ram and bed of a press, a swinging pendant arm supported at the side of the machine and having at its lower end a pair of jaws for gripping the work, the movable member of the machine arranged in its upward movement to cause the pendant arm to swing upwardly and outwardly into a position away from the press and means for causing the jaws to grip the work before the arm swings upwardly and to drop the work free from the press as the pendant arm reaches the outward end of its movement.

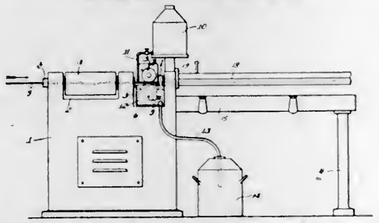
2,275,562
ILLUMINATING DEVICE FOR COPYHOLDERS
Edgar Shantz, Rochester, N. Y., assignor to Copy Right Mfg. Corporation, New York, N. Y., a corporation of New York
Application January 16, 1939, Serial No. 251,174
1 Claim. (Cl. 240—2)



A detachable lamp for copyholders having an upright member with a flanged top and a copy plate in front of said upright member, comprising a substantially rectangular frame bent up from a rod like member, a lamp housing swiveled between the free ends of the rod like member at the top of said bracket, a light socket within said lamp housing, a pair of clamping plates embracing the rod like member at the bottom of said rectangular bracket, a substantially vertical

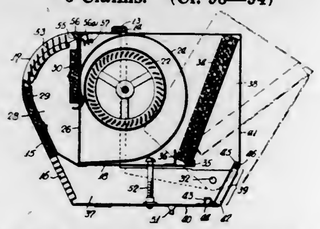
clamping flange at the inner end of each of said clamping plates and a clamping bolt between said clamping plates for angularly drawing the clamping flange of one of said clamping plates toward the clamping flange of the other clamping plate for engagement with the flanged top of the upright member between them and a second clamping bolt for drawing together the outer ends of said clamping plates against said rod like member to rotatably hold said frame between said clamping plates so as to have said frame embrace said copy plate and provide for the movement of the lamp housing by said frame in front and above said copy plate.

2,275,563
APPARATUS FOR CONTINUOUSLY PROCESSING WIRE
Irving L. Sharlow, Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1939, Serial No. 262,441
6 Claims. (Cl. 15—97)



5. The combination with horizontal wire receiving means having a horizontal elongated wire guide associated therewith, of a pair of grooved feed rollers rotatably mounted in vertically opposed relation adjacent one end of said guide for moving a wire therebetween onto said guide for discharge therefrom onto said receiving means, means for applying a lubricant solvent by gravity to said wire as it moves between said rollers, the grooves of said rollers substantially completely encircling said wire and having frictional engagement therewith so as to spread the applied solvent around the wire and loosen the lubricant on the wire during said engagement with the rollers, and a wiping device interposed between said guide and said rollers in alignment therewith to wipe solvent and lubricant from the wire before it is received by said guide.

2,275,564
VENTILATOR
Sam F. Shawhan and Constant E. Nicolet, Syracuse, N. Y., assignors to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 2, 1938, Serial No. 243,503
6 Claims. (Cl. 98—94)

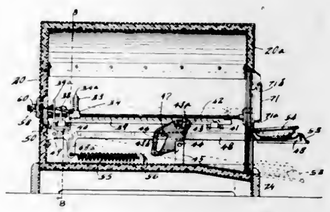


1. A window ventilator comprising a casing having a front stationary section and a rear section swingable about hinged mounting means, a return air inlet formed in the front section of said casing proximate the lower portion thereof, the portion of the wall of said casing in which said inlet is formed being at an acute angle with respect to a horizontal plane, an outdoor air inlet formed in said casing at the rear thereof beneath the hinged rear section, filter means in the hinged rear section, means providing a common passage for communication between said return air inlet and said filter and said outdoor air inlet and said filter, whereby air may be supplied from both of said inlets to said filter, blower means for drawing air through said filter, and a discharge outlet in the same wall in which said return air inlet is formed adapted to discharge air from said casing in an upward direction into the area served by the apparatus.

2,275,565
FORTIFYING CEREALS
Reginald C. Sherwood and John S. Andrews, St. Paul, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 22, 1938, Serial No. 231,182
6 Claims. (Cl. 99—11)

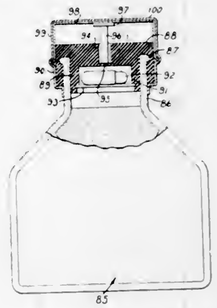
1. A process of fortifying, with a water-soluble vitamin, cereal products whose physical properties are deleteriously affected by water, which comprises distributing a water-in-oil emulsion containing a water-soluble vitamin and containing only a minor amount of water, on said cereal product in an amount sufficient to substantially increase the vitamin content of said product but insufficient to deleteriously affect the physical properties thereof to any substantial extent.

2,275,566
BUTTER CUTTING MACHINE
Albert Slaten, Minneapolis, Minn.
Application June 12, 1939, Serial No. 278,615
7 Claims. (Cl. 31—20)



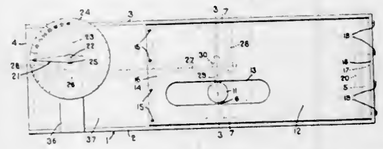
1. A butter cutting machine having in combination, a casing having an opening at one end, a tray at the outer side of said casing disposed below said opening and adapted to receive a butter dish, a lever within said casing having one end projecting therefrom and connected to said tray and pivoted adjacent the other end of said casing, a spring holding said lever in position with the tray end thereof elevated, a butter feeding mechanism including a pawl and a ratchet bar connected to and actuated from said lever, and a butter cutting mechanism adjacent said opening connected to and actuated from said lever, said tray constituting an operating element arranged to be depressed by the operator for operating said feeding and cutting mechanism.

2,275,567
CONTAINER CLOSURE
Arthur E. Smith, Los Angeles, Calif.
Original application November 3, 1933, Serial No. 696,506. Divided and this application May 22, 1939, Serial No. 275,053
3 Claims. (Cl. 206—47)



1. In a container, a closure for the container having a chamber for a preparation therein, a sealing disk in sealing relation with said container and closing the bottom of said chamber, said closure having a hole in the upper portion thereof, a puncturable diaphragm between said hole and the top of said chamber, puncturing means in said hole, a movable cap on said closure, said puncturing means being operatively connected with said cap to move therewith to puncture said diaphragm and enter the chamber and release the sealing disk.

2,275,568
GOLF PRACTICE APPARATUS
Arthur Smith, Dedham, Mass.
Application May 21, 1940, Serial No. 336,389
1 Claim. (Cl. 265—20)

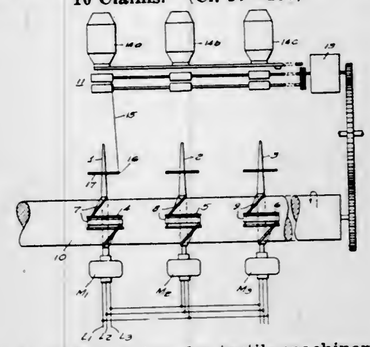


A golf practice device comprising an elongated box-like supporting frame open at the top from one end well toward the other end, said other end of the frame being closed at the top beyond said opening, a strip of leather of slightly less width than the transverse dimension of the opening in the top of said frame extending from one end to the other of said opening, means securing the ends of the strip of leather to the frame at the ends of the opening only, said strip having a slot and being unsupported along its sides between its ends and thus being suspended from its ends only, a rotary shaft extending across the frame beneath the slot and journaled in the frame side walls, a unitary ball element of rubber mounted on said shaft and having two oppositely disposed radial arms each having a ball-shaped end, a vertical shaft situated at the closed end of the frame and extending slightly through the top thereof, a graduated dial stationarily carried by said frame closely adjacent the top thereof, said shaft extending through said dial, a pointer secured to said vertical shaft and adapted to operate over said dial, and a driving connection between said vertical shaft and said first-named shaft.

2,275,569
LOADING PASTY SOLIDS
Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application April 30, 1941, Serial No. 391,213
6 Claims. (Cl. 86—20)

1. The method of increasing the density of a charge of amatol in which the percentage of the TNT is less than required to make the amatol a flowing liquid at a temperature within ten or twenty degrees above the melting point of the TNT; which comprises compressing a minor portion of the amatol into pieces of a density in excess of 1.50 at a pressure from five to thirty thousand pounds per square inch, mixing such pieces with a major portion of the uncompressed amatol at a temperature well above 80.2° C., and charging the mixture while still hot into the cavity to be filled.

2,275,570
SPINDLE DRIVE
Frederick D. Snyder, East Milton, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1940, Serial No. 365,456
10 Claims. (Cl. 57—100)

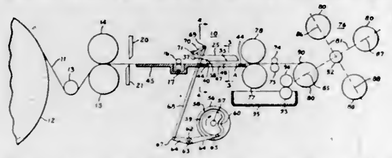


1. A control system for textile machinery and the like, comprising, in combination, a plurality of spindles, a plurality of feed rolls for guiding threads supplied to the spindles, a rotatable member extending in juxtaposition with respect to each of said spindles and which is geared to said rolls for driving the same, each of said spindles having a belt entrained therearound and around said rotatable member so as to provide a plurality of power sources for flexibly driving said rotatable member and for synchronous operation of said spindles and feed rolls.

2,275,571
CONTAINER MANUFACTURE
Walter E. Sooy and Rudolf William Von Sydow, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application November 22, 1939, Serial No. 305,661
11 Claims. (Cl. 93—39.2)

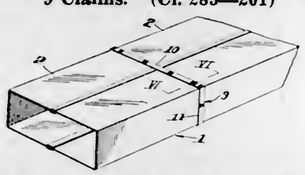
1. A process of the character described for forming from paper material or the like multi-

wall convolutely wound containers having end closures inwardly recessed thereon comprising the steps of feeding a web of paper material having a width sufficient for forming a plurality of body blanks arranged side by side and a length sufficient for forming an inner and a plurality of outer convolutions of the wound container body, cutting said web to provide a plurality of elongated transversely spaced slots in the forward end of the web, slitting said web through said slots to provide a plurality of body blanks each having a slotted portion at a side edge thereof, said slots providing a portion of reduced width in the leading end of each of said blanks which forms the inner convolution, said portion of reduced width having a length suffi-



cient to form said inner convolution of the wound container body, winding said blanks into convolute container form with said portions of reduced width on the inside to form container bodies having an inner recessed shoulder at an end of the bodies adapted to receive an end closure thereon, adhesively securing said bodies in wound form with the adhesive extending to the end edges of the outer convolutions, inserting a closure member in said end of the bodies to seat on said recessed shoulder, and spinning the outwardly extending portions of the outer convolutions prior to complete setting of said adhesive to fold the end edges of said portions into retaining engagement with said closure member.

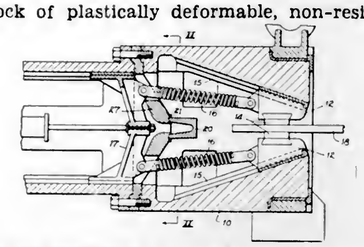
2,275,572
PREFABRICATED CONDUIT
William S. Somers, Columbus, Ohio
Application May 2, 1939, Serial No. 271,416
9 Claims. (Cl. 285—201)



1. In a sheet metal duct of the type having a plurality of tubular sections, means for connecting the ends of the sections comprising a coupling formed of a plurality of bars, each of which has a longitudinally extending groove in each side edge, cooperative means provided on said bars for detachably connecting the ends thereof to form an endless collar, and inwardly directed shoulders formed on said bars within said grooves.

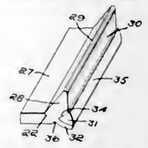
2,275,573
ENERGY DISSIPATING OR SHOCK ABSORBING UNIT
Rolland G. Sturm, New Kensington, and Ernest Jeffries, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1940, Serial No. 333,374
6 Claims. (Cl. 188—1)

1. An energy dissipating member comprising a block of plastically deformable, non-resilient



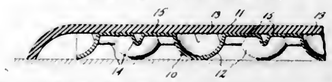
material constructed in the form of a hollow open frustum of a right circular cone.

2,275,574
BEADED WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application May 27, 1941, Serial No. 395,403
13 Claims. (Cl. 12—146)



1. Beaded leather welting comprising a flat welt extension having a grain surface, an integral, solid bead projecting above the welt extension along the inner side of the welt, said bead having an inner flesh face, and an integral sewing flange disposed below the bead along said welt side, said flange having an inner face constituting a continuation of the inner face of the bead and the flange face having a protruding longitudinal shoulder adapted to fill the welt crease of a shoe to which the welting is applied.

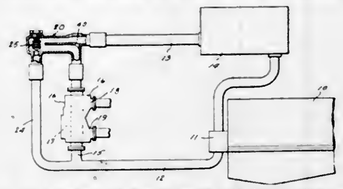
2,275,575
UNDERLINER FOR FLOOR COVERINGS
William S. Vrooman, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application January 3, 1938, Serial No. 183,185
6 Claims. (Cl. 154—49)



1. A padding for floor coverings comprising a flexible sheet having hollow support engaging projections extending from the underside of the sheet for engagement with a supporting surface, and reinforcing ribs projecting from the underside of the sheet to a lesser extent than the support engaging projections, said ribs interconnecting the projections and extending radially of said projections.

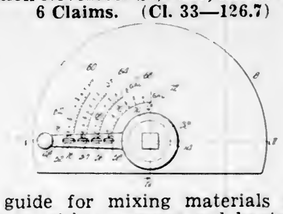
2,275,576
INTERNAL COMBUSTION ENGINE
Marsden Ware, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 5, 1940, Serial No. 343,959
6 Claims. (Cl. 123—196)

1. A heat exchange system for pressure lubricating systems comprising outlet and return conduits, conduit means connecting the outlet and return conduits, oil cooling means in the connecting conduit means, a bypass conduit connected to the outlet and return conduits and circumventing the oil cooling means, a thermostatically controlled valve in the return conduit con-



trolling the flow of bypassed oil into the return conduit, and a connection directly from the connecting conduit means to a portion of the return conduit beyond the thermostatically controlled valve, the oil passing through said connection having no thermal influence on the operation of said valve.

2,275,577
MATERIAL MIXING GUIDE
Gerald E. Weissert, Kansas City, Mo., assignor to Sewall Paint & Varnish Company, Kansas City, Mo., a corporation of Missouri
Application November 20, 1940, Serial No. 366,367
6 Claims. (Cl. 33—126.7)



1. A guide for mixing materials in a container, comprising a gauge rod having graduations thereon; a support; and means for adjustably mounting the gauge on the support, comprising a bearing slidably journalling the rod, a collar holding the bearing and having interconnecting means permitting relative rotative movement on the axis of the rod and simultaneous longitudinal movement, and manually operable elements for imparting rectilinear reciprocating movement to the collar and bearing.

2,275,578
OFFSET PREVENTION
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 3, 1938, Serial No. 205,860
11 Claims. (Cl. 106—2)

10. In the method of preventing offsetting of printed material, the step of spraying the same with an aqueous solution containing polyvinyl alcohol.

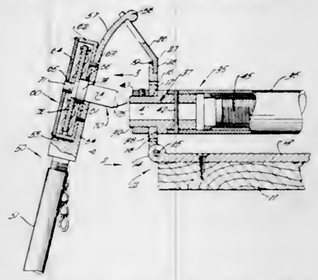
2,275,579
ATTACHED PRINTING MATRICES
Francisco G. Yanes, New York, N. Y.
Application November 18, 1938, Serial No. 241,177
10 Claims. (Cl. 41—21)

1. A plurality of printing matrix films suitable for pigment transferring, said printing matrix films having elastic supports and each one a margin, all of said matrix films attached together at said margin in book form, the margin and the elasticity of the support permitting sufficient separation between the attached matrix films for providing the same with transferable coloring



substances and for interleaving between said matrix films a blank having a plurality of printing surfaces.

2,275,580
CASEMENT SASH ADJUSTER OR THE LIKE
Bert E. Bartholomew, Balboa Island, Calif.
Application May 16, 1939, Serial No. 273,936
11 Claims. (Cl. 74—504)



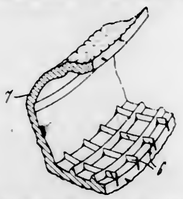
1. In a device as described in which a hinge is provided with a leaf plate and a driven shaft rotatably mounted in relation to such plate, such shaft being operative to actuate a device by rotation of such shaft combined with a gear housing, a shaft journalled therein having a sprocket wheel with an operating chain mounted on said shaft, means to connect the housing to the said leaf and a complementary plug and socket forming an operative drive connection between the shaft of the sprocket and the driven shaft.

2,275,581
MEANS FOR RAPID HEATING OF ELECTRON-DISCHARGE TUBE FILAMENTS
Loy E. Barton, Collingswood, N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 13, 1939, Serial No. 267,657
In Great Britain August 26, 1938
9 Claims. (Cl. 250—27)



1. In an electrical circuit, a vacuum tube having a filament adapted to be heated electrically to a predetermined operating temperature, electrical energy storing means capable of storing a sufficient quantity of electrical energy to heat said filament very rapidly substantially to said temperature, means for storing electrical energy in said storing means, means for applying the stored energy to said filament, and means for thereafter applying to said filament a smaller quantity of electrical energy sufficient to operate said filament at the said temperature.

2,275,582
METHOD OF MAKING TIRE MOLDS
Arthur W. Bull, Grosse Pointe, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 23, 1937, Serial No. 149,855
4 Claims. (Cl. 204—6)



3. A method of making a tire mold which includes molding a matrix of vulcanized rubber composition to form a semi-toroid replica of a tire having a tread comprising a plurality of circumferentially extending ribs, forming transversely extending depressions in the tread portion of the matrix, positioning metallic inserts of a thickness less than one-tenth inch within the depressions and permitting them to extend in part out of the depressions, electro forming a metal shell upon the matrix and inserts, and removing the shell with the inserts embedded therein from the matrix.

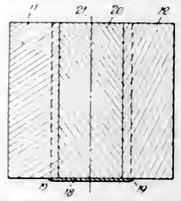
2,275,583
DISPERSION COMPOSITIONS
William R. Catlow, Jr., and Harold F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application April 1, 1939, Serial No. 265,541
12 Claims. (Cl. 106—222)

7. Compositions suitable for use in coatings drying substantially by evaporation comprising a fatty oil, which in part at least is a drying oil, and a member of the group consisting of natural resins, their salts, esters and oxidation products advanced by heating in the presence of a control agent selected from the group consisting of the oxides, hydroxides and naphthenates of zinc, lead, magnesium and calcium and metallic soaps, to a state characterized by a conversion of at least thirty per cent of oil-resin into acetone non-extractable material, the upper limiting ratio of resin to oil being about 60 parts of the former to 40 parts of the latter and the control agent being present to the extent of at least 10 per cent on the weight of the oil calculated as zinc oxide.

2,275,584
OIL-RESIN COATING COMPOSITION
William R. Catlow, Jr., and Harold F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application April 1, 1939, Serial No. 265,542
10 Claims. (Cl. 260—23)

6. Composition suitable for use in coating compositions drying substantially by evaporation comprising a fatty oil which in part at least is a drying oil, homo-polymerized resin and a control agent selected from the group consisting of the oxides, hydroxides and naphthenates of zinc, lead, magnesium and calcium and metallic soaps, said composition being in a state of heat-advancement characterized by a conversion of at least thirty per cent of original oil-resin into acetone non-extractable material, the upper limiting ratio of resin to oil being about 40 parts of the former to 60 parts of the latter and a control agent present to the extent of at least 10% on the weight of the oil calculated as zinc oxide.

2,275,585
METHOD OF MAKING COMPOSITE METAL
Thomas B. Chace, Winnetka, Ill., assignor to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1937, Serial No. 167,909
1 Claim. (Cl. 29—189)



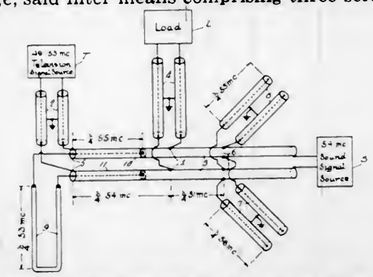
Method of producing a pair of metal slabs having a relatively thick steel backing and a relatively thin copper facing fusion bonded to said steel backing suitable for reduction by rolling into thin composite stock which comprises forming a mould by disposing a pair of flat steel backing slabs adjacent each other with their major axes vertical and having welding faces disposed in substantially parallel planes and spaced apart a distance substantially twice the thickness of the facing to be formed on each slab to form a mould space between the slabs, cleaning the welding faces of the slabs, welding sheet stock to the sides of the steel slabs to hold the slabs in fixed spaced relation and to form lateral closures for the mould space between the slabs, preheating the mould including the slabs, pouring molten copper into the mould space of the preheated mould, allowing the copper to solidify, and cutting through the mould and the cast copper in a median plane between and substantially parallel to the welding faces to form two copper faced slabs the exposed copper surfaces of which are raw metal substantially free of impurities and working the slabs by rolling on said cut faces.

2,275,586
TRI (HYDROXY METHYL) ACETALDEHYDE AND A PROCESS OF MAKING IT
Wilhelm Fitzky, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 22, 1939, Serial No. 263,408. In Germany March 25, 1938
4 Claims. (Cl. 260—602)

1. The tri-hydroxymethyl-acetaldehyde of the following formula: $(HO.H_2C)_3{\equiv}C{-}CHO$, said compound being a limpid viscous liquid miscible with water.

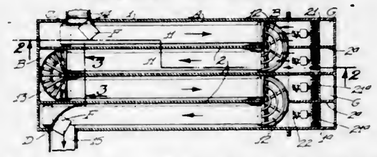
2,275,587
SIGNAL COMBINING NETWORK
Thomas M. Gluyas, Jr., Kansas City, Mo., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 15, 1939, Serial No. 262,039
9 Claims. (Cl. 178—44)

9. In an electrical system; a source of wave signal energy having frequency components within a certain range; means for utilizing at least a portion of said wave energy; a transmission line connecting said source to said utilization means; filter means associated with said transmission line for substantially preventing the transmission thereby of frequency components outside a given range, said filter means comprising three serially



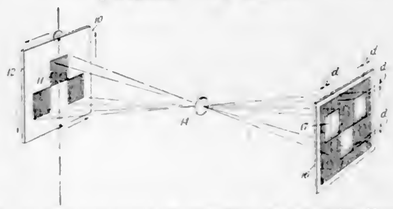
connected short circuited transmission line sections, two of said sections having an effective electrical length equal to an odd number of quarter wave lengths at the same frequency and the third having an effective electrical length equal to an odd number of quarter wave lengths at a different frequency, said frequencies being separated by said second frequency range.

2,275,588
FRUIT COOLING APPARATUS
Emmett H. Greene, El Monte, Calif.
Application January 4, 1939, Serial No. 249,201
7 Claims. (Cl. 62—102)



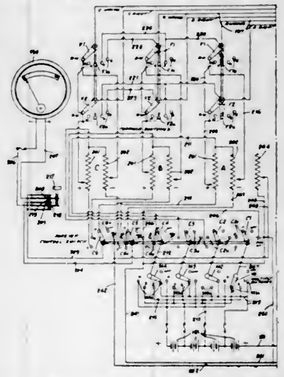
1. A conveyor means for a cooler, comprising a successive series of belt conveyors, arranged side by side and substantially parallel to each other and in a horizontal plane, the adjacent conveyors moving in opposite directions, downwardly inclined chutes connecting the discharge end of one conveyor to the feed end of the next conveyor, and a cooling air circulating system for directing a current of cooling air longitudinally of each conveyor.

2,275,589
METHOD OF CREATING MARGINALLY REDUCED REPRODUCTIONS OF DESIGN ELEMENTS
Owen R. Huggins, South Norwalk, Conn., assignor to Linotone Corporation, a corporation of New York
Application May 3, 1938, Serial No. 205,680
8 Claims. (Cl. 95—5)



4. In the method of creating a marginally reduced reproduction of a design, the steps which include providing a positive of said design, exposing a light sensitive member solely to said positive, and rotatably shifting the relationship between said member and the image forming light rays produced during said exposure to create on the member a marginally reduced light unaffected reproduction of the design.

2,275,590
EDUCATIONAL DEVICE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 21, 1938, Serial No. 214,922
12 Claims. (Cl. 235—61.7)

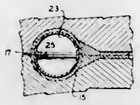


1. In a machine for evaluating marks on a sheet having a pair of sets of mark receiving areas, each set having its areas distributed along the length and width of the sheet, said machine having electrical sensing devices arranged similarly to said areas, one such device for each area, for electrically sensing both of said sets of areas simultaneously for marks, an ammeter, a source of current, a plurality of circuit connections of like ohmic value, one for each sensing device, said sensing devices, each upon sensing a mark, causing its circuit connection to be connected to one side of said source, in combination with a first resistor connecting one side of the ammeter to the other side of said source, a second resistor connecting the other side of the ammeter to said other side of said source, means for connecting the circuit connections related to one set of areas in parallel to an intermediate point of said first resistor, means for connecting the circuit connections related to the other set of areas in parallel to an intermediate point of said second resistor whereby the current flowing through the ammeter will be proportionate to the difference between the numbers of marks sensed in the two areas.

2,275,591
MOLDING METHOD AND INSERT FOR MOLDED ARTICLES
John H. Leonard, Avon Lake, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application April 12, 1939, Serial No. 267,464
12 Claims. (Cl. 18—59)

4. In the injection molding of plastic material of the class described between coacting separable mold sections and about an insert disposed in

the cavity between the sections, and in such manner that separate streams of the material tend to meet at a predetermined region of the cavity; the method of securing improved welding of the meeting edges of the streams comprising recessing the insert to provide a deeper cavity at the location of said region than at regions directly adjacent the recess.



7. In the injection molding of plastic material of the class described between coacting separable mold sections and about an insert disposed in the cavity between the sections, and in such manner that separate streams of the material tend to meet at a predetermined region of the cavity; the method of securing improved welding of the meeting edges of the streams comprising recessing the insert to provide a deeper cavity at the location of said region than at regions directly adjacent the recess on each side thereof, and at least partially filling the recess with material which is pervious to the passage of gas thereinto and substantially impervious to the passage of the plastic material thereinto under injection molding pressures.

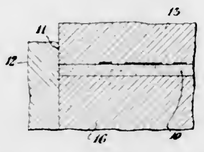
2,275,592

METHOD OF MAKING PRINTED ARTICLES

Hugh Menihan, New York, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York

Application June 29, 1938, Serial No. 216,527

9 Claims. (Cl. 29—160.5)



1. The method of making articles of the character described which includes compressing a powdered material against an engraved and inked printing element until the powder forms a self sustaining printed solid.

2,275,593

METHOD OF CLEANING AND DISINFECTING FIBROUS MATERIAL

Irving E. Muskat, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application September 3, 1938, Serial No. 228,394

5 Claims. (Cl. 21—4)

1. In the process of dry cleaning the step which comprises contacting a fibrous article undergoing cleaning treatment with a dispersion of a solid N-chloro organic compound in a liquid aliphatic chloride of low boiling point to clean the fibrous material and to impregnate the article with the dispersion of N-chloro compound and expelling the solvent from the impregnated article to produce a cleaned article containing a quantity of said N-chloro compound in the interstices thereof.

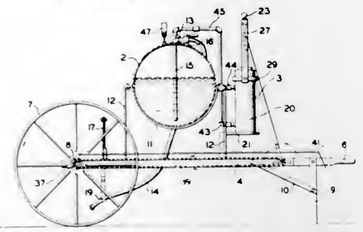
2,275,594

AGRICULTURAL IMPLEMENT

Judson A. Perry, Norfolk, Va., assignor of fifty one-hundredths to George D. Whitehurst, Norfolk, Va.

Application February 3, 1939, Serial No. 254,488

3 Claims. (Cl. 299—40)



1. In a vehicle of the character herein set forth, a pair of arms, an axle journaled in the arms adjacent one end thereof, a handle at the opposite end of each arm, a ground engaging wheel supported by the axle intermediate the arms, legs carried by the arms adjacent to the handles for supporting the vehicle, a tank supported by the arms, a bracket mounted on the arms, a cylinder mounted on the bracket and in communication with the tank, a piston mounted for movement in the cylinder, a frame supported for sliding movement on the cylinder and operatively connected to the piston, a crank journaled in the arms rearwardly of the cylinder, a link having one end attached to the frame and the opposite end connected to the crank, a sprocket mounted on the crank, a second sprocket mounted on the axle, a chain trained around said sprockets whereby movement of the wheel will be transmitted to the crank thereby imparting movement to the piston, a clutch carried by the axle and a clutch operating lever extending to a point adjacent to one of the handles for engaging and disengaging the clutch.

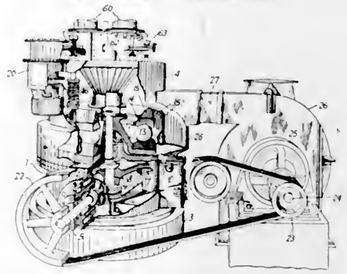
2,275,595

PULVERIZER

Sidney T. Schwartz, Grand Island, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application April 22, 1938, Serial No. 203,480

20 Claims. (Cl. 83—45)



1. A pulverizer comprising a casing enclosing a lower grinding ring, a circular row of rolling grinding elements, supported on said lower grinding ring, an upper grinding ring supported on said grinding elements, said lower grinding ring having a vertical discharge edge at a level below the centers of said grinding elements, means for effecting relative angular movement of said grinding rings, means for delivering material to be pulverized to the inner side of said row of grinding elements, and means for directing a stream of air upwardly past and in contact with the outer side of said lower grinding ring to sweep up pulverized material discharging therefrom including means cooperating with the outer periphery of said lower grinding ring to define therebetween an air passage having a restricted throat below the level of the discharge edge of said lower grinding ring, and circumferentially arranged upwardly and inwardly directed baffle means for deflecting the air stream leaving said throat into the space between said grinding rings.

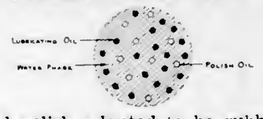
2,275,596

POLISH

Leroy W. Shuger, Baltimore, Md., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md., a corporation of Maryland

Application September 15, 1938, Serial No. 230,129

3 Claims. (Cl. 106—9)



2. A liquid polish adapted to be rubbed on a surface to be polished comprising a three phase emulsion of a petroleum hydrocarbon lubricating medium as a discontinuous phase, a polishing base medium as a discontinuous phase, and water as a continuous phase, said polishing base consisting substantially entirely of at least one compound of the group consisting of monoglycerides and diglycerides of fatty acids, said compound being substantially immiscible with said lubricating medium and with said water.

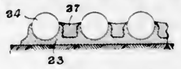
2,275,597

MARKER

Leroy Shuger, Baltimore, Md., and Gilbert Rodli, Huntingdon, Pa.; said Rodli assignor, by mesne assignments, to Prismo Holding Corporation, a corporation of New York

Application May 19, 1939, Serial No. 274,667

2 Claims. (Cl. 94—1.5)



1. A combined surface marker comprising a road surface, a reflecting pigmented binder on said surface, a plurality of autocollimating units ranging in size from .005" to .040" at least partially embedded in said binder and partially exposed with the binder gripping said units in cup-like formation and having valleys between said cup-like formations, and a protecting film extending over said binder in said valleys and to a height approximating the height of said cup-like formations, whereby said surface marker will have the properties of great durability and resistance to traffic shock.

2,275,598

SUPPORTING MEANS FOR SPEAKER VOICE COILS

Joseph M. Andrus, Chicago, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application August 7, 1939, Serial No. 288,786

3 Claims. (Cl. 179—115.5)

1. A support for a speaker voice coil comprising a sheet of open weave fabric formed of an inherently thermoplastic material having the individual elements of each thread permanently bonded together and having each thread permanently bonded to the other threads at each



point of crossing, said support having been subjected to a final forming operation under heat and pressure and being characterized by substantial rigidity in the direction of its plane and flexibility in a direction transverse to said plane.

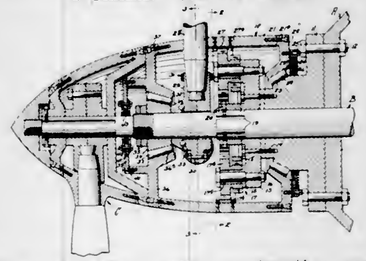
2,275,599

AIRCRAFT PROPELLER CONSTRUCTION

Glen Armitage, Sr., and Glen Armitage, Jr., Redwood Falls, Minn.

Application April 29, 1940, Serial No. 332,374

2 Claims. (Cl. 170—135.5)



2. An aircraft propeller construction, comprising an engine drive shaft, a propeller rigidly mounted on the outer end of said shaft, an elongated hollow hub surrounding the shaft and having its outer end provided with a bearing connection with the shaft and its inner end having a bearing connection with a crank case, said bearing connections comprising two sets of tapered roller bearings of oppositely directed tapered surfaces, a non-rotating spider carried by the crank case within the hub, a spur wheel on the engine shaft beyond the spider, freely rotatable pinions on the spider and meshing with the spur wheel, an internal gear on the inner face of the elongated hub and meshing with the pinion gears, and propeller blades passing through the elongated hub intermediate the outer and inner bearings and rigidly mounted in a hub loosely mounted on the drive shaft.

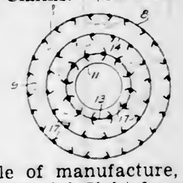
2,275,600

MATERIAL SHOWERING FLIGHT

Gerald D. Arnold, Wauwatosa, Wis.

Application January 13, 1941, Serial No. 374,266

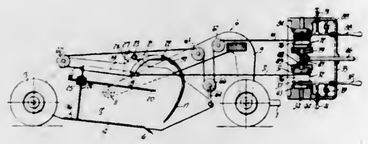
2 Claims. (Cl. 259—3)



1. An article of manufacture, comprising an elongated sheet metal flight for suspension from the interior of material showering drums, said flight having a flat supporting portion provided with a rectilinear row of equally spaced attach-

ing holes and an elevating portion extending away from the supporting portion at an acute angle, all of the center lines of the attaching holes in the supporting portion being disposed in the same radial plane of the supporting drum which passes through the free edge of said elevating portion.

2,275,601
EARTH MOVER
Ellsworth W. Austin and Harvey W. Rockwell, Cedar Rapids, Iowa, assignors to LaPlant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application December 11, 1939, Serial No. 308,579
17 Claims. (Cl. 37—126)



9. An earth mover comprising a main bowl, a pusher translatable within said main bowl, a front apron pivoted to said pusher, and an articulation between said front apron and said main bowl.

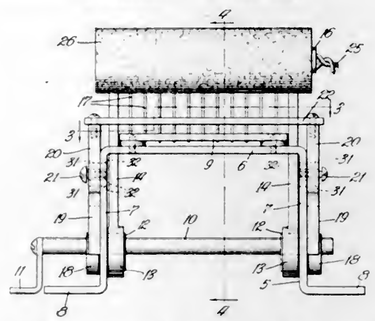
10. An earth mover comprising an earth-carrying bowl, a pusher mounted for a predetermined movement within said bowl, a first power means effective when energized to move said pusher in one direction of said movement and when de-energized to resist movement of said pusher in the other direction of said movement, and a second power means effective when energized to move said pusher in said other direction and when de-energized to resist movement of said pusher in said direction.

2,275,602
LIGHT DIFFUSING LENS
Earl W. Beck, Eggertsville, N. Y., and Victor Walker, Fort Erie, Ontario, Canada, assignors, by mesne assignments, to AlnCin, Inc., a corporation of New York
Application October 3, 1938, Serial No. 232,920
8 Claims. (Cl. 88—57)



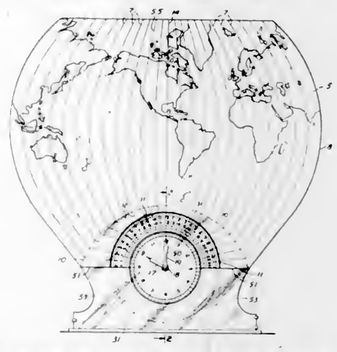
1. A light modifying element adapted for use in combination with a light source comprising a pair of opposed glass bodies having one or more of their optical surfaces roughened for light diffusing purposes, said roughened surfaces conforming to prescribed general contoured form thereof and being made up of relatively small irregularly arranged non-prismatic depressions and projections treated by a mixture of hydrofluoric and sulphuric acids and water so regulated and applied as to be substantially cleared of light screening substances resulting from the roughening thereof without elimination of the roughening, said glass bodies being cemented together by optical cement.

2,275,603
PERFORATING METHOD AND APPARATUS
Virgil H. Bodle, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application May 6, 1940, Serial No. 333,531
6 Claims. (Cl. 164—90)



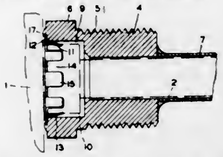
1. In a perforating device of the class described, the combination of a work support, a group of pins relatively movable to and from the work support to perforate material thereon, means operable to move the pins crosswise of the work support to advance the work thereon for successive rows of perforations, said work support having openings into which the pins project and along which they are movable in the work advancing movement, and means for heating the pins.

2,275,604
UNIVERSAL CLOCK
Leo Y. Booharin, San Francisco, Calif.
Application August 5, 1939, Serial No. 288,625
2 Claims. (Cl. 58—43)



1. A universal clock comprising a map of the earth's surface; time meridians drawn thereupon; a clock mechanism having usual hour and minute hands rotated by the corresponding hour and minute shafts, said clock mechanism being located below said map; a gear carried by the hour shaft; an idle gear meshing with the first mentioned gear; an internally cut gear adapted to mesh with the idle gear and to rotate around the hour shaft; a circular indicator carried by said internally cut gear; means for adjusting the position of the indicator in relation to the internally cut gear; a half-circle drawn on the map and circumscribing a half of said indicator, said half-circle being divided into a number of divisions equal to the number of the time meridians; and connecting lines connecting the points of division of said half-circle with the meridians.

2,275,605
SECURING DEVICE FOR THERMOSTATS
Carlton W. Bondurant, Euclid, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1939, Serial No. 282,404
1 Claim. (Cl. 287—20)



Thermostat supporting means including a chambered body member externally threaded for attachment to a container and provided with a noncircular wrench-receiving portion, yieldable holding means permanently secured to said member and arranged to frictionally engage a thermostat extending into its chamber, said means comprising a thimble having a flange, said member having an annular rib spun over said flange to permanently anchor it in place, and said thimble having a skirt slotted to provide resilient holding fingers adapted to engage a thermostat in said chambered body.

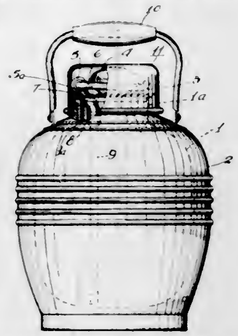
2,275,606
TERPENE-CYANOACYL COMPOUNDS AND METHODS OF PRODUCING SAME
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 20, 1941, Serial No. 384,345
16 Claims. (Cl. 260—454)

1. A terpene compound having the type formula ROOCR'XCN in which R is a radical of a terpene aromatic ether, in which R' is a radical selected from the group consisting of aliphatic radicals and aromatic radicals, and in which X is a member of the group consisting of sulfur, selenium and tellurium.

12. A method for the preparation of the terpene compound described in claim 1 which comprises treating a terpene aromatic ether with a halogenated organic carboxylic acid at a temperature in the range between about 0° C. and about 250° C. to form an ester of the said acid and then treating the resulting ester with a compound selected from the group consisting of metal thiocyanates, metal selenocyanates and metal tellurocyanates, which is partially soluble in the reaction mixture, at a temperature in the range between about 0° C. and about 250° C.

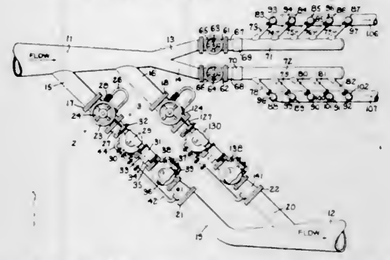
2,275,607
DISPENSING STOPPER FOR RECEPTACLES
Carl Bramming, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application April 19, 1940, Serial No. 330,475
5 Claims. (Cl. 221—76)

1. A liquid dispensing stopper for use with heat insulated receptacles of the jug or jar type, said stopper including in combination a circular lid plate, dispensing means of the type producing pressure of air in the receptacle to eject the liquid through a discharge spout provided in said lid plate, a retaining element at the periphery of said lid plate having a substantially vertically descending wall containing screw threads adapted to engage screw threads on said receptacle,



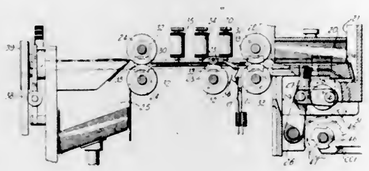
and a plurality of lugs provided in said vertically descending wall and protruding radially beyond said screw threads to frictionally engage the inside wall of a cup cap to be placed over said stopper.

2,275,608
FLUID CONTROL SYSTEM
Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application July 5, 1940, Serial No. 343,963
2 Claims. (Cl. 137—78)



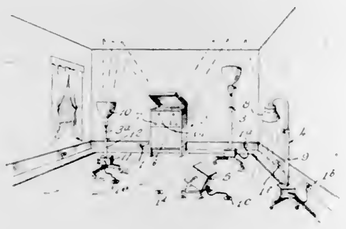
1. A fluid flow control system comprising a series of three valves arranged end to end in the space between the ends of two pipes, a by-pass around the gate of said first valve having means for controlling fluid flow from one side of the gate to the other side thereof when the gate is closed so as to build up a predetermined amount of pressure on the downstream side of the first valve prior to the opening of its gate, said second valve having a plug operable by fluid pressure actuated mechanism responsive to the pressure of fluid in the conduit between the first and the second valves, a by-pass around the plug of the second valve having means therein for controlling the fluid flow therein, a by-pass around the plug of the third valve having means for controlling the fluid flow therein, a pipe connected at one end to the downstream side of the second valve and connected to the conduit at the downstream side of said third valve for conducting fluid from the pipe on the downstream side of the third valve backwardly to the second valve for breaking vacuum in the conduit on the downstream side of the second valve when the plug of the second valve is moved from closed towards open position.

2,275,609
APPARATUS FOR VERIFYING STATISTICAL DATA
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,442
5 Claims. (Cl. 73—51)



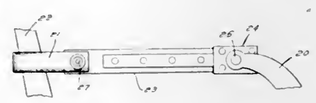
1. In a machine of the character described for verifying statistical data on records, which records have individual columns of recordings in different frequency values to represent the different data, individual means for sensing the recordings in different columns, means controlled thereby for initiating oscillations of different frequencies in accordance with the frequency values of the sensed recordings, individual groups of control circuits, one group for each column of data sensed, means controlled by the initiated oscillations for selecting predetermined circuits from the said groups in accordance with the frequencies of the oscillations, settable mechanism having means for setting up therein predetermined data with which the sensed data should conform, means controlled by the settable mechanism for controlling the energization of the said selected circuits, including means for preventing energization of the said circuits when the sensed and set up data is in agreement, and indicating means rendered operative by the energized selected circuits whenever the compared data is in disagreement.

2,275,610
LOUDSPEAKER SYSTEM
Gustav Bucky and Paul Sarason, New York, N. Y.
Application January 23, 1941, Serial No. 375,604
4 Claims. (Cl. 250—6)



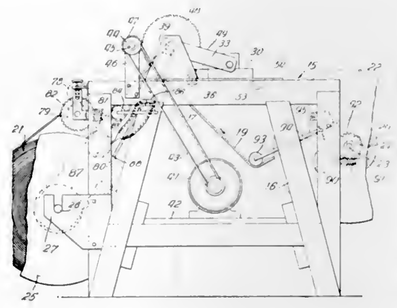
1. Sound reproducing system comprising a transmitting unit, a plurality of receiving sets at least one for each of a plurality of differently selected portions of the range of audio frequencies, the sum of which covers the entire range of audio frequencies, said unit comprising a sound reproducer, a short wave radio transmitter including a radiator and means for controlling the energy supplied to said radiator, each of said receiving sets comprising short wave receiving means tuned on the wavelength of said transmitter and including an antenna to receive radiations from said radiator, a filter according to that portion of the range of audio frequencies for which the set is destined, an amplifier and a loudspeaker, a plurality of outlets of current from an external source, said outlets being provided within the room equipped with the system, and means for detachably connecting said unit and said sets individually to selected ones of said outlets.

2,275,611
PICKER STICK COUPLING
Joseph H. Chadbourne, Scotland, and Charles A. Burdick, Killingly, Conn., assignors to The Danielson Mfg. Company, a corporation of Connecticut
Application May 3, 1940, Serial No. 333,142
1 Claim. (Cl. 139—151)



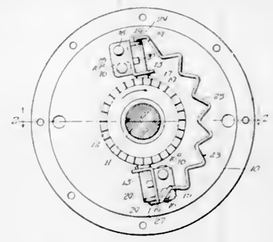
A picker stick coupling member comprising an elongated rectangular shank and an integral rectangular head, the shank and head comprising continuous cords of textile material impregnated with adhesive, said head being recessed at the sides thereof, whereby the head thickness is narrower than the shank thickness, the sides of the head being wider than the sides of the shank, said sides having rawhide plates secured thereto, the total thickness of said head and plates being substantially the thickness of the shank.

2,275,612
PERFORATING METHOD AND APPARATUS
Frank Jermain Chandler, Toledo, Ohio
Application December 11, 1940, Serial No. 369,586
10 Claims. (Cl. 164—90)



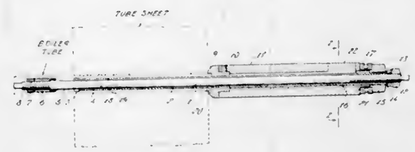
1. A method of making perforated sheet material which comprises providing sheet material composed at least partly of rubber or the like, then forming perforations through the sheet material and stretching the perforations to a larger size and locally setting the rubber or like material around each perforation to impart permanence thereto.

2,275,613
BRUSH RIGGING FOR ELECTRIC MACHINES
Jasper F. Cullin, Detroit, Mich., assignor of two-thirds to Lou Mervis, Lock Haven, Pa.
Application July 10, 1940, Serial No. 344,676
12 Claims. (Cl. 171—324)



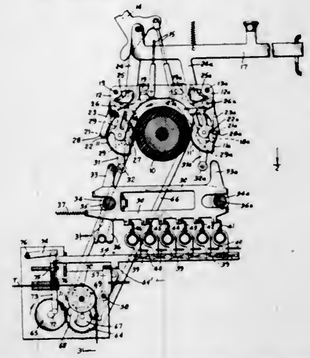
1. In brush rigging for electric machines comprising a commutator and a pair of diametrically opposite brushes engaging the commutator, the combination of fixed guides onto which the brushes are slidable to and from the commutator, inserts of non-conducting material fixedly held in the outer end of the brushes, and spring-means supported in suspension by the brushes for pressing the brushes into contact with the commutator, extending between the diametrically offset brushes and around one side of the commutator, having terminals connected to the inserts respectively and exerting equalized pressure on the brushes.

2,275,614
PULL-TYPE TUBE-EXPANDING TOOL
Edward Alexander Dewald, Massillon, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 25, 1939, Serial No. 301,092
8 Claims. (Cl. 153—80.5)



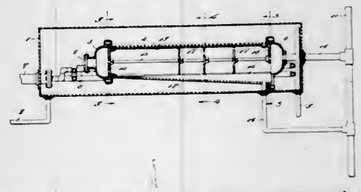
1. In a tube expanding device, a tubular member, a mandrel within said tubular member extending beyond said tubular member at both ends thereof, said mandrel having an enlarged portion at its inner end tapering outwardly and having a stop at the inner end of said tapering portion and said tubular member having a longitudinally split portion and a split expander ring at its inner end, said expander ring being adapted to be expanded by the tapering portion of said mandrel when brought into contact with the stop thereon, a barrel structure encasing a portion of said tubular member, said barrel structure having an inner end adapted to bear against a tube to be expanded, a threaded portion on the outer end of said tubular member, a nut engaging said threaded portion of said tubular member and bearing against the outer end of said barrel structure, a threaded portion on the outer end of said mandrel and a nut engaging said threaded portion of said mandrel and bearing against the outer end of said tubular member.

2,275,615
TAPE TRANSMITTER
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 9, 1939, Serial No. 303,527
3 Claims. (Cl. 164—112)



1. Apparatus for perforating a record strip comprising, in combination, a keyboard having a plurality of operable key levers, a plurality of punches and means for operating said punches to perforate said strip, a constantly rotating power means, a plurality of slides having tabs differentially positioned thereon according to a predetermined permutation code, each slide having a special tab portion in the same relative position as the other slides, means actuated under control of the keyboard upon each operation of a key lever for positioning a related one of said slides directly with the operation of said lever, a plurality of interposers controlled by the tabs on the positioned slide for selecting certain of the punches for operation, a clutch for connecting the punch operating means with the power means, and a special interposer actuated by the special tab portion of the positioned slide for engaging said clutch to render the punch operating means effective to cause the selected punches to perforate the strip.

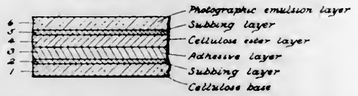
2,275,616
MOISTURE SEPARATING DEVICE
Joseph Doucette, Hillside, Ill.
Application February 23, 1940, Serial No. 320,377
2 Claims. (Cl. 183—112)



1. A moisture separating device of the class described comprising a horizontal cylinder, a longitudinal, inclined trough depending from the lower portion of the cylinder and communicating therewith, an air intake pipe connected to one end of the cylinder, an air discharge pipe connected to the other end of the cylinder, a moisture discharge pipe connected to the lower portion of the trough, a rod mounted longitudinally in the cylinder, and a plurality of highly polished, substantially non-porous baffles mounted

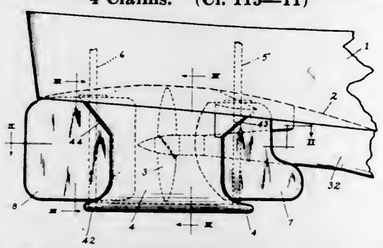
at longitudinally spaced points on the rod, said baffles having air passages in their peripheral portions.

2,275,617
PHOTOGRAPHIC STRIP FILM AND STRIP-FILM PAPER
Herman H. Duerr and Fritz W. Hellmut Mueller, Binghamton, N. Y., assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1939, Serial No. 285,498
6 Claims. (Cl. 95—9)



1. Photographic stripfilm or stripfilm paper comprising a temporary support, a permanent support carrying a light-sensitive emulsion and an adhesive layer between said supports, acting to maintain the supports united, at least until the film or paper is fixed, said adhesive essentially comprising a substance, the viscosity of which is decreased and the solubility in water of which is increased by acid or neutral thiosulfate fixing solutions, and being selected from the class consisting of alginic acid, laminaric acid, tangic acid, pectic acid and their water-soluble salts.

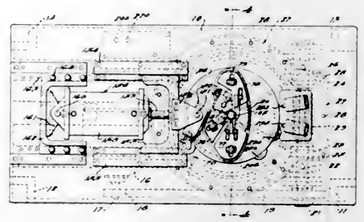
2,275,618
BOAT
Vere B. Edwards, Coraopolis, Pa., assignor to Dravo Corporation, a corporation of Pennsylvania
Application August 4, 1939, Serial No. 288,260
4 Claims. (Cl. 115—11)



1. Propelling and steering apparatus for a ship that includes a propeller rotatable upon an axis, a nozzle borne by the hull and closely encircling the propeller, a plurality of rudder blades borne on posts arranged forwardly of the propeller and on the two sides of the propeller axis, and a single rudder blade borne on a post arranged sternward of the propeller and in the axis of the propeller, said sternward-arranged rudder blade having a forward extension and adapted in its range of swing to come substantially to edge engagement on the inner surface of the nozzle on the two sides of the axis of the propeller.

2,275,619
POWER BENDER
Stone R. Enberg, Grosse Pointe, and Roger H. Walsh and Louis C. Scheuring, Detroit, Mich., assignors to Ainsworth Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1939, Serial No. 296,358
14 Claims. (Cl. 153—40)

1. In a power bending machine, form means defining substantially an annular edge about which a metal strip may be bent, with the end portions of said edge separated substantially in the plane of the annulus so as to provide in said plane a radially inner end portion and a radially outer end portion, and a clamp for clamping one end of the strip against the radially inner end portion of said edge, the radially outer edge of the clamp constituting the radially outer end portion of the edge.



3. A power bending machine for bending an elongated metal strip substantially into annular form comprising a form block having a substantially annular edge corresponding to a part of the sectional shape of the metal strip of irregular contour which is to be bent, segmental plates on one side of the block and having edges corresponding to another part of the sectional shape of the metal strip, means rendering certain of the plates movable on the support towards and from the center of the annulus so as to retract the edges of certain plates towards the center of the annulus in order to facilitate removal of the formed or bent strip, and a clamping plate for clamping one end of the strip in position on the support during the bending of the strip.

5. In a power bender, a form block about which a metal strip is to be bent, and a wiper block for pressing the strip against the form, said block comprising laminations slidable one on the other and means for resiliently pressing the laminations towards the form so that the laminations may move relative one to another and so that the edges of the laminations jointly provide a surface which accommodates its contour to the bends in the form.

2,275,620
STABILIZATION OF SUPERPOLYMERS
Calvin S. Fuller, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 8, 1939, Serial No. 293,951
5 Claims. (Cl. 260—75)

1. A cold drawing polyester which resists molecular degradation when exposed to the atmosphere at temperatures above its melting point, the condensation linkages of which consist essentially of ester linkages of the formula

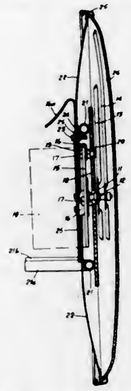
$$-C(=O)-O-$$

said polyester having substantially all of its hydroxyl groups converted by esterification to ester groups of the structural formula

$$-O-C(=O)-R$$

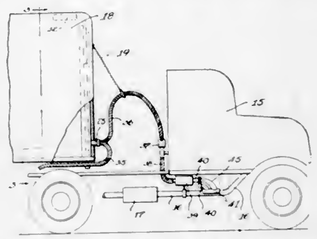
where R is a hydrocarbon radical.

2,275,621
ILLUMINATED DIAL
Elliott W. Gardinor, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 10, 1940, Serial No. 356,148
3 Claims. (Cl. 240—2.1)



1. A clock case construction comprising, in combination, a supporting plate at the rear of said case, a concave dial secured to said plate, a luminous gas tube positioned about the center of the dial and intermediate the center of the dial and its edges, an opalescent element carried by the supporting plate and spaced therefrom so as to be located immediately in front of the tube, and clock hands supported in front of the element for cooperation with the dial.

2,275,622
VEHICLE HEATER
Leo E. Gatien, Ishpeming, Mich.
Application March 4, 1940, Serial No. 322,141
4 Claims. (Cl. 257—137)

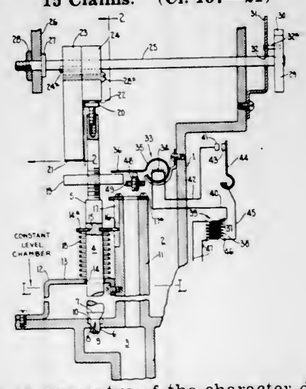


4. A heater of the type used in connection with the exhaust pipe of a commercial vehicle comprising a substantially vertical elongated air shaft formed by a tubular member within the chamber to be heated, a U-shaped tube adapted to radiate heat positioned within and extending longitudinally of said shaft and having integral ends projecting from said shaft and from the walls of said chamber, means to circulate gases from said exhaust pipe through said U-shaped tube whereby a minimum of back pressure is imparted to the gases in said exhaust pipe, said shaft being provided with openings adjacent its top and its bottom to permit the flow of air therethrough in a direction along said tube, and means for causing distribution of heated air from said shaft to said chamber comprising a relatively flat, bell mouthed spreader having passages in the mouth thereof directed to a major portion of the area to be heated.

2,275,623
MEDICINAL PREPARATION
Edwin L. Gustus, Chicago, Ill., assignor to Wilson & Co., Inc., a corporation of Delaware
No Drawing. Application July 1, 1940, Serial No. 343,437
17 Claims. (Cl. 167—65)

1. A stable medicinal preparation comprising a solution of a non-toxic basic amino acid salt of a bile pigment.

2,275,624
CONTROL DEVICE
Albert G. Hann, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application August 26, 1940, Serial No. 354,217
15 Claims. (Cl. 137—21)



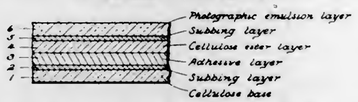
1. In an apparatus of the character described, a supporting means, a reciprocal member movable relative to said means, a pair of abutment members carried by said reciprocal member, a movable member carried by said means, and an actuating means carried by said movable member and having two actuating portions, one of said portions being engageable with one of said abutment members upon predetermined movement of said movable member, another of said portions being engageable with another of said abutment members upon continued movement of said movable member, said other portion acting upon engagement with said other member to move said one member from a position in the path of movement of said one portion.

2,275,625
ELECTROMAGNETIC MOTOR UNIT
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1940, Serial No. 348,611
7 Claims. (Cl. 172—126)

1. An electromagnetic device comprising a plurality of pole elements having their pole faces in a common plane, torsional supporting members, a rockable armature suspended above said pole elements by said supporting members, and a fixed cylindrical element disposed in contact with one of said pole elements and with said armature

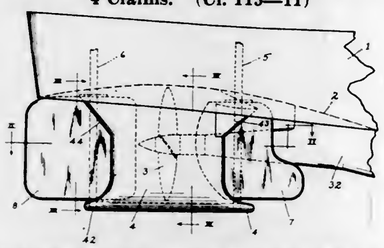
at longitudinally spaced points on the rod, said baffles having air passages in their peripheral portions.

2,275,617
PHOTOGRAPHIC STRIP FILM AND STRIP-FILM PAPER
Herman H. Duerr and Fritz W. Hellmut Mueller, Binghamton, N. Y., assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1939, Serial No. 285,498
6 Claims. (Cl. 95—9)



1. Photographic stripfilm or stripfilm paper comprising a temporary support, a permanent support carrying a light-sensitive emulsion and an adhesive layer between said supports, acting to maintain the supports united, at least until the film or paper is fixed, said adhesive essentially comprising a substance, the viscosity of which is decreased and the solubility in water of which is increased by acid or neutral thiosulfate fixing solutions, and being selected from the class consisting of alginic acid, laminaric acid, tangic acid, pectic acid and their water-soluble salts.

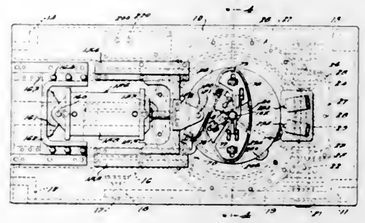
2,275,618
BOAT
Vere B. Edwards, Coraopolis, Pa., assignor to Dravo Corporation, a corporation of Pennsylvania
Application August 4, 1939, Serial No. 288,260
4 Claims. (Cl. 115—11)



1. Propelling and steering apparatus for a ship that includes a propeller rotatable upon an axis, a nozzle borne by the hull and closely encircling the propeller, a plurality of rudder blades borne on posts arranged forwardly of the propeller and on the two sides of the propeller axis, and a single rudder blade borne on a post arranged sternward of the propeller and in the axis of the propeller, said sternward-arranged rudder blade having a forward extension and adapted in its range of swing to come substantially to edge engagement on the inner surface of the nozzle on the two sides of the axis of the propeller.

2,275,619
POWER BENDER
Stone R. Enberg, Grosse Pointe, and Roger H. Walsh and Louis C. Scheuring, Detroit, Mich., assignors to Ainsworth Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1939, Serial No. 296,358
14 Claims. (Cl. 153—40)

1. In a power bending machine, form means defining substantially an annular edge about which a metal strip may be bent, with the end portions of said edge separated substantially in the plane of the annulus so as to provide in said plane a radially inner end portion and a radially outer end portion, and a clamp for clamping one end of the strip against the radially inner end portion of said edge, the radially outer edge of the clamp constituting the radially outer end portion of the edge.



3. A power bending machine for bending an elongated metal strip substantially into annular form comprising a form block having a substantially annular edge corresponding to a part of the sectional shape of the metal strip of irregular contour which is to be bent, segmental plates on one side of the block and having edges corresponding to another part of the sectional shape of the metal strip, means rendering certain of the plates movable on the support towards and from the center of the annulus so as to retract the edges of certain plates towards the center of the annulus in order to facilitate removal of the formed or bent strip, and a clamping plate for clamping one end of the strip in position on the support during the bending of the strip.

5. In a power bender, a form block about which a metal strip is to be bent, and a wiper block for pressing the strip against the form, said block comprising laminations slidable one on the other and means for resiliently pressing the laminations towards the form so that the laminations may move relative one to another and so that the edges of the laminations jointly provide a surface which accommodates its contour to the bends in the form.

2,275,620
STABILIZATION OF SUPERPOLYMERS
Calvin S. Fuller, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 8, 1939, Serial No. 293,951
5 Claims. (Cl. 260—75)

1. A cold drawing polyester which resists molecular degradation when exposed to the atmosphere at temperatures above its melting point, the condensation linkages of which consist essentially of ester linkages of the formula

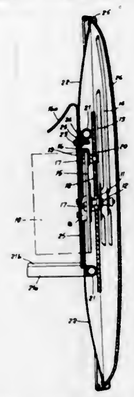
$$-C(=O)-O-$$

said polyester having substantially all of its hydroxyl groups converted by esterification to ester groups of the structural formula

$$-O-C(=O)-R$$

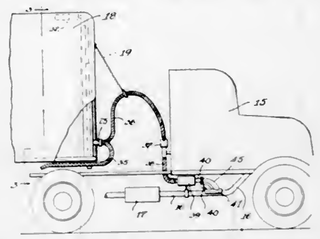
where R is a hydrocarbon radical.

2,275,621
ILLUMINATED DIAL
Elliott W. Gardinor, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 10, 1940, Serial No. 356,148
3 Claims. (Cl. 240—2.1)



1. A clock case construction comprising, in combination, a supporting plate at the rear of said case, a concave dial secured to said plate, a luminous gas tube positioned about the center of the dial and intermediate the center of the dial and its edges, an opalescent element carried by the supporting plate and spaced therefrom so as to be located immediately in front of the tube, and clock hands supported in front of the element for cooperation with the dial.

2,275,622
VEHICLE HEATER
Leo E. Gatlen, Ishpeming, Mich.
Application March 4, 1940, Serial No. 322,141
4 Claims. (Cl. 257—137)

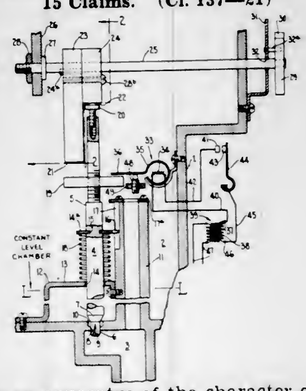


4. A heater of the type used in connection with the exhaust pipe of a commercial vehicle comprising a substantially vertical elongated air shaft formed by a tubular member within the chamber to be heated, a U-shaped tube adapted to radiate heat positioned within and extending longitudinally of said shaft and having integral ends projecting from said shaft and from the walls of said chamber, means to circulate gases from said exhaust pipe through said U-shaped tube whereby a minimum of back pressure is imparted to the gases in said exhaust pipe, said shaft being provided with openings adjacent its top and its bottom to permit the flow of air therethrough in a direction along said tube, and means for causing distribution of heated air from said shaft to said chamber comprising a relatively flat, bell mouthed spreader having passages in the mouth thereof directed to a major portion of the area to be heated.

2,275,623
MEDICINAL PREPARATION
Edwin L. Gustus, Chicago, Ill., assignor to Wilson & Co., Inc., a corporation of Delaware
No Drawing. Application July 1, 1940, Serial No. 343,437
17 Claims. (Cl. 167—65)

1. A stable medicinal preparation comprising a solution of a non-toxic basic amino acid salt of a bile pigment.

2,275,624
CONTROL DEVICE
Albert G. Hann, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application August 26, 1940, Serial No. 354,217
15 Claims. (Cl. 137—21)

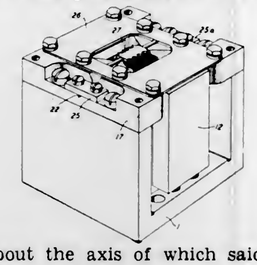


1. In an apparatus of the character described, a supporting means, a reciprocal member movable relative to said means, a pair of abutment members carried by said reciprocal member, a movable member carried by said means, and an actuating means carried by said movable member and having two actuating portions, one of said portions being engageable with one of said abutment members upon predetermined movement of said movable member, another of said portions being engageable with another of said abutment members upon continued movement of said movable member, said other portion acting upon engagement with said other member to move said one member from a position in the path of movement of said one portion.

2,275,625
ELECTROMAGNETIC MOTOR UNIT
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1940, Serial No. 348,611
7 Claims. (Cl. 172—126)

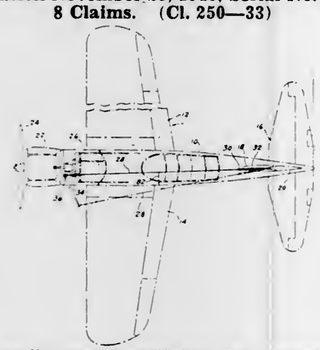
1. An electromagnetic device comprising a plurality of pole elements having their pole faces in a common plane, torsional supporting members, a rockable armature suspended above said pole elements by said supporting members, and a fixed cylindrical element disposed in contact with one of said pole elements and with said armature

to maintain said armature a predetermined distance above said pole elements and to provide



a pivot about the axis of which said amature may rotate.

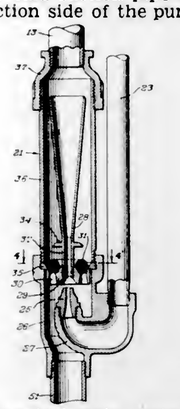
2,275,626
RETRACTABLE ANTENNA
Neil M. Harrison, Burbank, Calif., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 28, 1940, Serial No. 367,548
8 Claims. (Cl. 250—33)



1. A radio mast installation for aircraft comprising a radio aerial, a mast supporting one end of said aerial, a rotatable post extending through the fuselage of said aircraft and attached at its outer end to one end of said mast by a pivotal connection having its axis inclined relative to the axis of rotation of said post, and means within said fuselage operatively connected with said post to rotate said post and said mast to retract said mast from a vertical to a horizontal position.

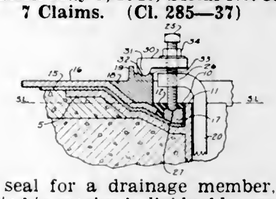
2,275,627
PUMPING SYSTEM
Milford W. Hartmann, Hutchinson, Kans.
Application April 3, 1939, Serial No. 265,679
3 Claims. (Cl. 103—5)

1. In a pumping system, a centrifugal pump, a suction pipe connected to said pump, a foot-valve at the lower end of said suction pipe, and an ejector device in said suction pipe intermediate the pump and the foot-valve, said ejector device comprising a housing having a recirculation pipe from the discharge of said pump connected in the one side thereof, an upwardly directed nozzle attached within the housing to said recirculation pipe, a partition wall in said housing above said nozzle, an eductor tube having a short cylindrical section and a longer conical section in which the projected wall angle is about eleven degrees, the end of the cylindrical section extending through and supported by said partition, check-valved ports through said partition, connecting means in said housing above the eductor tube for said suction pipe communicating with the suction side of the pump, and con-



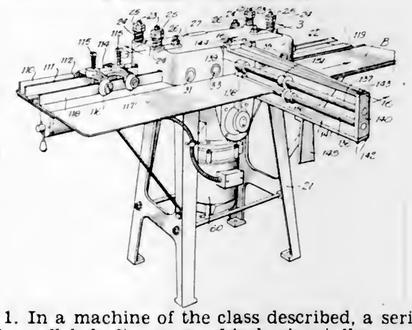
necting means in said housing below said nozzle for said suction pipe leading down to said foot-valve beneath the liquid in a reservoir.

2,275,628
SEALING MEANS
Joseph Hirshstein, Cleveland, Ohio
Application May 9, 1940, Serial No. 334,232
7 Claims. (Cl. 285—37)



1. In a seal for a drainage member, a drain body adapted to receive individual layers of flashing and roofing material, the flashing extending into said drain body beyond the edge of the roofing material and means for independently clamping the respective edges of said material to the drain body.

2,275,629
MULTIPLE ROLLING MACHINE
James J. Ingels, Chicago, Ill.
Application June 19, 1939, Serial No. 279,948
6 Claims. (Cl. 153—2)



1. In a machine of the class described, a series of parallel shafts arranged in horizontally spaced pairs, each pair of shafts being vertically disposed and carrying a plurality of pairs of forming rolls spaced axially of the shafts, meshing gears keyed

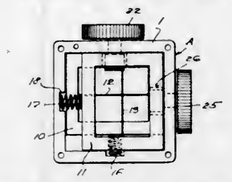
on the shafts and located between said rolls, a frame including head and base portions, corresponding shafts of said pairs thereof being journaled in the base portion, the other corresponding shafts of said pairs being journaled in the head portion, the journals for said shafts comprising a plurality of bearings spaced axially thereof with certain of said bearings disposed between said meshing gears and said rolls, and others thereof disposed adjacent opposed ends of said rolls, and other gears supported on stud shafts in the base portion in horizontal alignment with said first corresponding shafts and meshing with the gears thereon.

4. Means for guiding sheet material to the forming rolls of a sheet metal rolling machine comprising a straight vertically disposed sheet edge engaging member for guiding said edge to said rolls, and a tucking roll laterally spaced from said sheet edge engaging member and with its axis inclined thereto, and means for yieldably urging the tucker roll into engagement with said sheet of material.

2,275,630
WAX POWDER REFINING
Herbert F. Johnson, Jr., Caledonia, and John Vernon Steinle and Robert P. Gardiner, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
No Drawing. Application July 17, 1939, Serial No. 284,886
9 Claims. (Cl. 210—150.5)

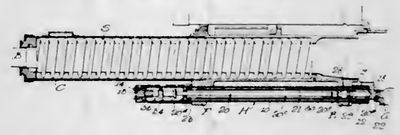
1. In the manufacture of wax from crude vegetable wax powder which has not been melted in the production thereof, the process which comprises screening the said crude vegetable wax powder through one or more screens of about 40 to 60 mesh prior to its initial melting to remove fine leafy and other non-waxy material.

2,275,631
TELESCOPIC GUN SIGHT
Clarence R. Johnson, Gary, Ind.
Application June 11, 1941, Serial No. 397,624
2 Claims. (Cl. 33—50)



1. In a sight of the class described, a box-like member of rectangular shape, a pair of frames slidably arranged therein and at right angles to each other, each frame being of considerably less width than that of the box-like member, with the end edges of one frame slidingly engaging two opposed side walls of the box-like member and the other frame having its end edges slidingly engaging the other two opposed side walls of the box-like member, said frames having their inner faces in sliding contact, a spring for holding each frame against a part of the box-like member, each spring engaging a side edge of a frame and holding the opposite side edge against a side wall of the box-like member, a screw threaded in a hole in each frame and having a shank passing through the box-like member with a knob on the outer end of the shaft, said screw when the knob is turned moving the frame against the spring, a vertical cross wire carried by one frame and a horizontal cross wire carried by the other frame, the inner face of each frame having oppositely arranged grooves therein receiving the ends of the wire with said ends of the wire fastened in said grooves.

2,275,632
HYDRAULIC GUN BARREL BRAKE MECHANISM
Bryan P. Joyce, East Orange, N. J.
Application June 13, 1940, Serial No. 340,355
13 Claims. (Cl. 89—43)

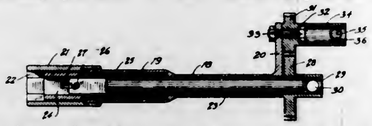


1. In a hydraulic gun barrel brake which swings vertically with the gun, a fixed fluid cylinder having a closed front end and an opening in its rear end, a buffer rod disposed longitudinally within said cylinder and secured to the front end thereof, a tubular plunger extending fluid-tightly through said opening and surrounding said buffer rod, said tubular plunger being spaced inwardly from the wall of said cylinder and spaced outwardly from said buffer rod, the front end of said tubular plunger being provided with an external piston which contacts with said cylinder wall and divides said cylinder into front and rear fluid chambers, said front end of said tubular plunger being provided also with an internal piston spaced around said buffer rod to provide a throttling orifice, said tubular plunger having fluid-conducting means from its exterior to its interior, located behind said pistons, said fluid-conducting means having greater area than said throttling orifice; whereby during recoil the rearwardly moving external piston while creating a void in said front chamber will force fluid from said rear chamber through said fluid-conducting means into said tubular plunger and some of this fluid will be forced from said tubular plunger through said throttling orifice into said front chamber to create a recoil-braking-action; and during counter-recoil fluid will be forced from said tubular plunger through said throttling orifice into said front chamber and will be forced from said tubular plunger back through said conducting means into said rear chamber, to create a counter-recoil-braking-action; said buffer rod being provided with a longitudinal fluid passage extending from a point near the rear end of said rod to said front chamber to forwardly conduct some of the fluid from said tubular plunger into said front chamber during said counter-recoil, to thereby decrease said counter-recoil-braking-action; and gravity-actuated valve means in said front chamber for closing said fluid passage when the gun barrel occupies a predetermined relatively depressed position and for opening said passage when the barrel is elevated to a predetermined extent from said position.

2,275,633
DUAL WHEEL WRENCH
John Kelser, Windsor, Colo.
Application March 22, 1941, Serial No. 384,638
1 Claim. (Cl. 81—56)

A dual socket wrench comprising: a tube; a nut socket on one extremity of said tube; an arm fixed to and projecting diametrically out-

ward at the second extremity of said tube; a rotatable shaft in said tube; a second smaller nut socket on the inner extremity of the shaft within the first nut socket, the outer extremity of said shaft projecting from the second extremity of said tube; a driven gear fixed on the projecting portion of said shaft adjacent the



outer face of said arm; a second smaller drive gear rotatably mounted on the outer face of the extremity of said arm in mesh with the driven gear; a hollow sleeve projecting concentrically from said drive gear; and a similar sleeve projecting from said driven gear, both sleeves having openings for the passage of an instrument whereby either gear may be rotated.

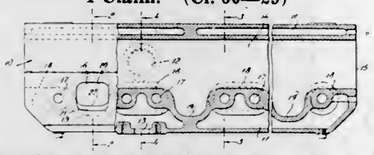
2,275,634

MARINE ENGINE EXHAUST MANIFOLD

Edward Leipert, College Point, Long Island, N. Y., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

Application March 19, 1940, Serial No. 324,741

1 Claim. (Cl. 60—29)



An exhaust manifold for an internal combustion engine comprising an elongated chamber open at at least one end thereof and having spaced portions cupped downwardly to form sump-like depressions below the bottom wall of said chamber and at spaced points along the length thereof to receive and retain condensate at localized points in the manifold, said manifold having a plurality of ports to receive exhaust gases from the engine, one such port being located at each depression with a portion thereof disposed below the bottom wall of the manifold chamber and having the top and bottom walls thereof sloping upwardly toward the axis of said chamber, and the bottom wall of each port terminating in a lip disposed adjacent to and extending above the bottom of the associated depression to dam up and prevent condensate from flowing backwardly through the port to the engine.

2,275,635

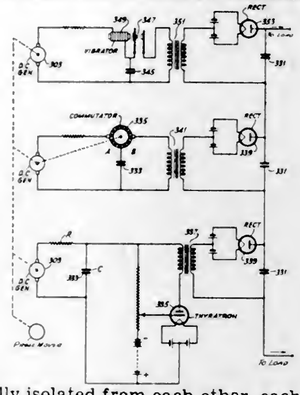
HIGH VOLTAGE GENERATOR

Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application August 9, 1933, Serial No. 684,328. Divided and this application January 23, 1940, Serial No. 315,280

4 Claims. (Cl. 171—97)

4. In a high voltage generator, a plurality of condensers connected in series to a load circuit and separate means for charging each of said condensers, each of said means including another condenser, a source of direct current for charging said other condenser, a transformer having a primary and a secondary winding and means for intermittently discharging said other condenser through said primary winding, said secondary winding being connected to said first mentioned condenser through a rectifier, said charging means for said first mentioned condenser being



electrically isolated from each other, each of said sources of direct current comprising a direct current generator and all of said generators being driven from a prime mover through insulating driving means.

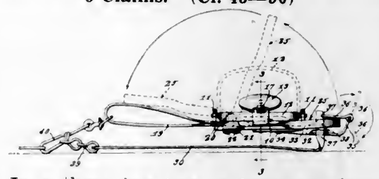
2,275,636

TRAP

Winfield S. McFarland, Culver, Ind.

Application April 9, 1941, Serial No. 387,750

3 Claims. (Cl. 43—90)



1. In a three jaw trap, a base, an extension on the base, means for delaying action of the third jaw until the other two jaws have closed comprising an elongated trigger having an end upturned, lugs formed on said extension of the base of the trap between which said upturned end is pivoted, the main portion of the trigger extending underneath and parallel to the base of the trap, means connected to the trigger and to the trap for limiting pivotal movement of the trigger, and a detent pivotally connected to the extension of the base of the trap and engageable over said third jaw, a shoulder on said upturned end of the trigger underneath which said detent is engageable to hold the third jaw open, movement of the trap by a lunge of a trapped animal after the main jaws have closed permitting the elongated trigger to gravitate relatively to the trap and release the detent for permitting the third jaw to close.

2,275,637

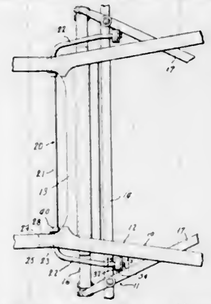
COMBINED STABILIZER AND STRUT CONSTRUCTION

Brouwer D. McIntyre, Monroe, and John M. Nickelsen, Ann Arbor, Mich., and Arthur Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan

Application February 14, 1940, Serial No. 318,950

5 Claims. (Cl. 267—11)

1. In a motor vehicle having sprung and unsprung assemblies, a stabilizer for the sprung assembly comprising a torsion bar extending transversely of the vehicle and mounted on one of the assemblies for rocking movement, arms extending laterally from the bar at points spaced longitudinally of the bar and connected to the other assembly, means mounting the torsion bar on the said one assembly including a U-shaped member secured to the latter assembly, a block of resilient material mounted in the U-shaped



member and having an opening therethrough for receiving the torsion bar, and a second U-shaped member secured to the said one assembly and extending into the first mentioned U-shaped member, the outer surface of the base of the second U-shaped member abutting the side of the block of resilient material opposite the side engaged by the base of the first U-shaped member and cooperating with the latter to secure the block under compression against said bar.

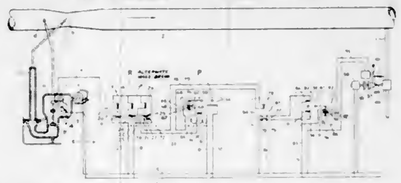
2,275,638

TELEMETERING SYSTEM

Irving O. Miner, East Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island

Application July 27, 1940, Serial No. 347,850

22 Claims. (Cl. 137—165)



1. In a telemetering system, means for cyclically creating impulses of durations corresponding with values of a quantity, and means responsive to said impulses for transmitting other impulses the durations of which differ in predetermined proportion from those of the first mentioned impulses.

22. In a telemetric proportioning system, means responsive to the rate of delivery of a substance for cyclically creating impulses corresponding to said rate of delivery, a movable member, means responsive to each of a plurality of said impulses for moving said member in one direction for a period corresponding to the quantity value and for then returning said member to a given position, means for preventing alternate ones of said impulses from affecting said moving means, means controlled by the return movement of said member for producing other impulses, means for varying the speed of return of said member, and means governed by said other impulses for controlling the rate of delivery of another substance.

2,275,639

GLYCERIN FERMENTATION PROCESS

Nathan M. Mnookin, Kansas City, Mo., assignor to Speas Development Co., a corporation of Missouri

No Drawing. Application February 1, 1940, Serial No. 316,761

9 Claims. (Cl. 195—38)

1. In the method of fermenting a fermentable carbohydrate mash containing alkaline salts to glycerin, the steps comprising fermenting the mash, subjecting the fermented mash to vacuum distillation at temperatures substantially below the boiling point of alcohol to distill off the alcohol formed during fermentation, adding fresh fermentable material to the residue and re-fermenting it.

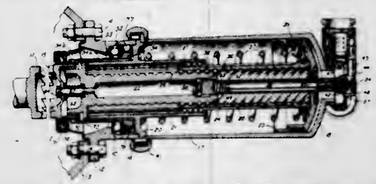
2,275,640

ENGINE STARTING MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original applications October 2, 1937, Serial No. 167,054, and February 15, 1939, Serial No. 256,576, the latter issued as Patent No. 2,225,790, December 24, 1940. Divided and this application June 12, 1940, Serial No. 340,188

2 Claims. (Cl. 121—37)



1. In combination with a fluid receiving cylinder, a cylinder head secured to the cylinder, and means in said cylinder head for controlling exhaust of fluid from said cylinder, said means comprising a circular exhaust port in said head, a hollow cylindrical valve element normally closing said port, the circular wall of said port acting to limit movement of said valve in one direction, and means for limiting movement of said valve in the opposite direction, said last-named means comprising a cylindrical element threaded into said cylinder head and having a plurality of resilient fingers extending into the bore of said valve element and engaging said bore at a plurality of equally spaced points throughout the periphery of said bore.

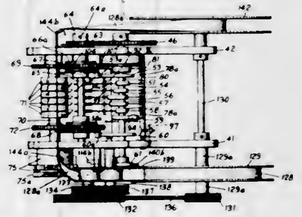
2,275,641

TELEGRAPH PRINTER

Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 4, 1939, Serial No. 302,877

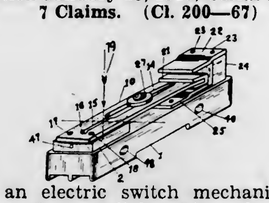
31 Claims. (Cl. 178—40)



1. In a printing telegraph receiver, a selector

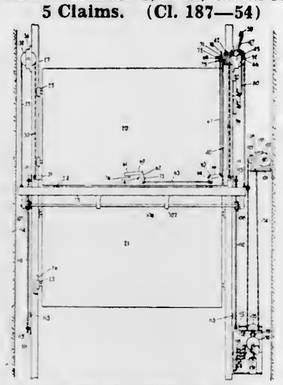
device comprising actuating and actuated members, means conditioning said members in response to a sequence of received line current conditions, and one of said members cooperating with said conditioning means to prevent a change in said conditioning by a subsequent condition of said sequence during the conditioning in response to a preceding condition of said sequence.

2,275,642
SWITCH
Ernst A. Nordberg, Sharon, Mass., assignor, by mesne assignments, to Mu Switch Corporation, Canton, Mass.
Application January 18, 1940, Serial No. 314,499
7 Claims. (Cl. 200—67)



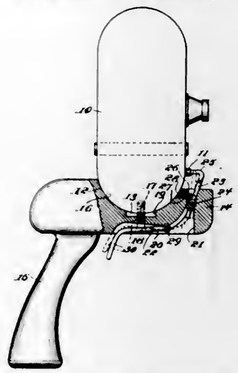
1. In an electric switch mechanism, a leaf spring carrying a switch contact element at one end, means fixing said spring at the other end, a slot positioned longitudinally wholly within said leaf spring and wedge means cooperating with said slot for bowing outward the metal at the sides of said slot and producing a longitudinal bowing of said spring including a sensitive area in the vicinity of the fixed end of said spring wherein a slight pressure thereon will cause the free end of the spring to move with a snap action from its bowed position in one direction to the opposite direction, and means for applying said pressure within such area.

2,275,643
CLOSURE OPERATING MECHANISM
Clifford Norton, Summit, N. J., Philip Karmel, New York, N. Y., and Benjamin Whitehead Tucker, Jr., South Orange, N. J., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application December 4, 1940, Serial No. 368,424
5 Claims. (Cl. 187—54)



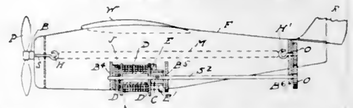
1. Operating mechanism for a vertical biparting counterbalanced elevator hatchway door comprising, a stationary rack secured to the hatchway wall on each side of said door adjacent the lower door section, a shaft rotatably mounted on said lower section and extending crosswise thereof, a pair of pinions secured to said shaft in position for meshing with said racks, a pair of sprocket wheels positioned in said hatchway on one side of said door, one above the other, a stationary motor for driving one of said sprocket wheels, and a sprocket chain connected at its ends to said lower door section and extending around said sprocket wheels to be driven by said motor to effect the opening and closing of said door.

2,275,644
PISTOL GRIP MOVIE CAMERA ATTACHMENT
George F. Olmstead, Owosso, Mich.
Application February 26, 1940, Serial No. 320,915
1 Claim. (Cl. 88—16)



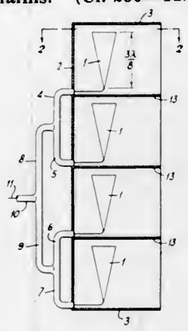
A support for a motion picture camera comprising a body, a securing screw engaged through the body and adapted to be threaded into the bottom of a motion picture camera, a pistol grip extending downwardly from the rear end of the body, the rear end of the body extending beyond the pistol grip and being rounded to form a cheek rest, a trigger pivoted on the bottom of the body having a finger piece disposed in advance of the pistol grip, and a starting bar pivotally engaged intermediate its ends on said body in advance of the trigger, one end of the starting bar being in overlapping relationship with the trigger and the other end being disposed above the body, and a spring in the body engaging the starting bar and normally holding the trigger inactive, actuation of the trigger moving the starting bar to engage and depress the starting button of the camera.

2,275,645
PROPELLING MECHANISM FOR AIRPLANES AND THE LIKE
Adrian B. Perron, Detroit, Mich.
Application January 15, 1941, Serial No. 374,488
2 Claims. (Cl. 185—39)



1. A mechanism of the character described comprising a propeller shaft, a propeller mounted upon one end thereof, a hook upon the other end having a rubber band secured thereto, a secondary shaft in alignment with said propeller shaft and having at one end a hook engaging the other end of said band, a ratchet wheel connected by gearing with said secondary shaft, a drum coaxial therewith, a pawl carried upon said drum and adapted to drive said wheel in a direction to wind up said band so as to store up torque energy to drive said propeller, a fixed pawl for preventing reverse movement of said wheel, a flexible member secured to said drum and extending to the ground, and spring means for winding said member upon said drum, whereby said propeller may be kept rotating continuously.

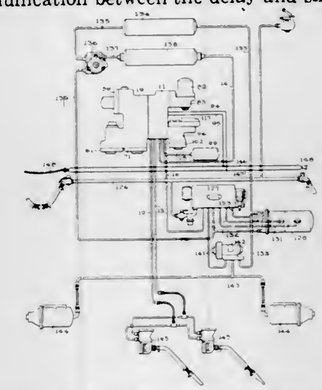
2,275,646
ANTENNA
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1939, Serial No. 285,066
3 Claims. (Cl. 250—11.53)



1. A directive antenna system comprising a cylindrical reflector divided longitudinally into a series of separate chambers and a radiating element within each of said chambers, each of said radiating elements comprising a dipole antenna having a pair of adjacent ends and means for energizing said dipole from a coaxial transmission line having an outer sheath and an inner conductor comprising a supporting shell surrounding a portion of said transmission line and attached at one end to said reflector, said shell having a length greater than half the length of the operating wave, an auxiliary conductor within said shell connected to the inner conductor of said transmission line, and having a diameter equal to the diameter of the outer sheath of said transmission line, the adjacent ends of said dipole passing through apertures in said supporting shell and connected to the adjacent ends of said sheath and said auxiliary conductor, and means for connecting the inner surface of said supporting shell to the outer surface of said sheath and auxiliary conductor at points a distance equal to a quarter of the length of the operating wave from said adjacent ends.

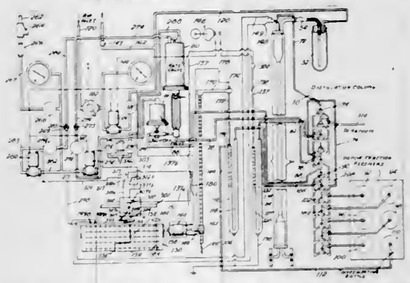
2,275,647
SANDING RELAY
Lynn I. Pickert, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 10, 1941, Serial No. 401,832
4 Claims. (Cl. 291—3)

1. In a sanding relay unit, the combination of a housing enclosing a slide valve chamber and communicating cylinder; means for supplying air under pressure to said slide valve chamber; a piston working in said cylinder and separating the slide valve chamber from a working space in said cylinder; a slide valve and coacting graduating valve connected to be actuated by said piston, said valves controlling sanding and cleanout ports, there being a running position at the limit of piston motion inward toward the valve chamber in which both ports are vented, a sanding position at the outward limit in which the sanding port is under pressure and the cleanout port vented, a cleanout intermediate position assumed in outward motion in which both said ports are under pressure and a cleanout intermediate position assumed in inward motion, in which the cleanout port is under pressure and the sanding port vented; loading means for biasing said piston and valves toward running position and for causing them to dwell in said intermediate positions; a delay chamber forming an enlargement of said working space; means affording restricted communication between the delay and slide valve



chambers; a delay suppression chamber in somewhat less restricted communication with said delay chamber; a check valve controlling the last named communication and inhibiting flow toward the delay chamber; a timing chamber; valve means normally serving to vent the timing chamber and operable to close said vent and connect the timing and delay suppression chambers; and delay suppression means responsive to venting of the sanding port while the cleanout port is under pressure and serving when so rendered active to charge the delay suppression chamber and timing chamber.

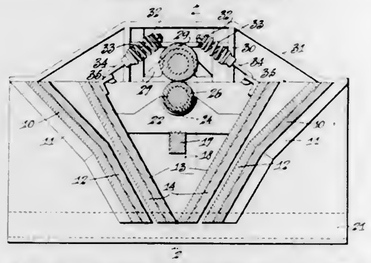
2,275,648
DISTILLATION CONTROL APPARATUS
Walter J. Podbielniak, Chicago, Ill., assignor to Benjamin B. Schneider
Application August 21, 1940, Serial No. 353,462
33 Claims. (Cl. 202—160)



12. In apparatus for precise, batch fractional distillation, a distilling column, means for heating the lower portion thereof, means for intermittently cooling the upper portion thereof, a normally open, fluid-operated valve adapted to control the rate of distillation by controlling the

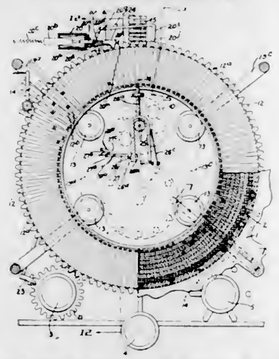
flow of distillate vapors from the column, and a vapor line connecting the upper portion of said column with said valve, means responsive to pressure change at the outlet of said column to control said cooling means and means responsive to temperature increase at the top of the column from any previous temperature to cause fluid to flow into said valve to decrease the opening thereof and thereby impede the flow of distillate vapors from said column.

2,275,649
ROCK CRUSHER
Henry Clay Pope and Robert William Lawson, Erwin, Tenn.
Application February 24, 1941, Serial No. 380,344
5 Claims. (Cl. 83—53)



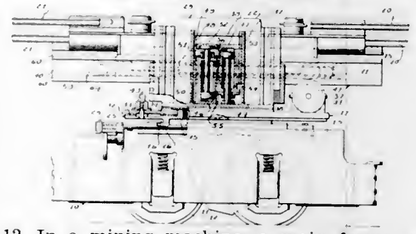
1. A rock crusher comprising a pair of downwardly inclined fixed jaws spaced apart to define a converging space therebetween, a pair of movable jaws disposed adjacent the respective fixed jaws, driven cam means mounted above and acting upon the movable jaws to reciprocate the same in the median plane of the space defined by said inclined, fixed jaws, and spring means for maintaining contact of the movable jaws with said cam means in the direction of their reciprocation, and a second spring means for balancing said movable jaws with respect to the fixed jaws to which they are, respectively, presented.

2,275,650
AUTOMATIC PRESELECTING AND TUNING APPARATUS
Donald C. Porter and Frank W. Sloan, San Diego, Calif.
Application July 22, 1938, Serial No. 220,671
7 Claims. (Cl. 250—40)



1. In an automatic preselecting and radio receiving tuning apparatus of the class described, the combination of a selector member and a pivotally mounted alternate contact switch member, said selector member having a portion thereof adapted and arranged to operate said switch member, means causing said portion to operate said switch member, and means connecting said switch member to a tuning device, said tuning device having means in connection therewith to alternately operate said switch member in opposed relation with said selector member.

2,275,651
CHAIN-CUTTING MINING MACHINE
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1941, Serial No. 397,999
12 Claims. (Cl. 262—28)



12. In a mining machine, a main frame, an elongated cutting element supported thereon and having cutter chain carrying cutter bars projecting at opposite ends thereof, and power means for feeding said cutting element endwise in opposite directions with respect to said main frame so as to insert said cutter bars endwise into opposite walls of the mine in mutually aligned relation.

2,275,652
FURNACE SEAL
Harold R. Pursel, Philadelphia, Pa., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 5, 1940, Serial No. 343,934
5 Claims. (Cl. 110—165)

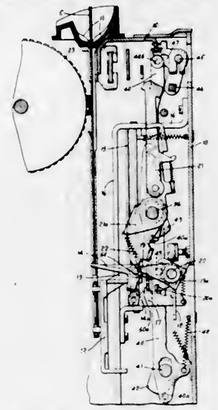


1. In a seal for the joint between a furnace bottom and a hopper disposed therebelow, a trough supported by said hopper, a plurality of fin members secured in air-tight contact to said furnace bottom and extending into said trough, the adjacent ends of said fin members being spaced apart to permit relative movement thereof, a flexible, substantially impervious member connecting said fin ends and extending into said trough, and means for maintaining a body of water in said trough above the bottom edge of said fins and flexible member.

2,275,653
PRINTING MECHANISM
Frederick Q. Rast, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 10, 1939, Serial No. 278,472
3 Claims. (Cl. 101—297)

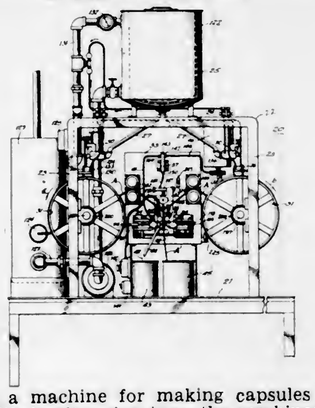
1. A card-controlled impression mechanism comprising a supporting frame, a card receiver

carried by said frame for receiving and guiding a time card into an operative position, a positionable abutment also carried by said frame for controlling the depth of insertion of the card into the receiver, a bell crank lever pivoted to said abutment and extending into the path of the card for actuation thereby as the card is fully inserted in the card receiver, a rocker bail mounted on the frame and having slidable connection with the bell crank lever so as to be rocked by



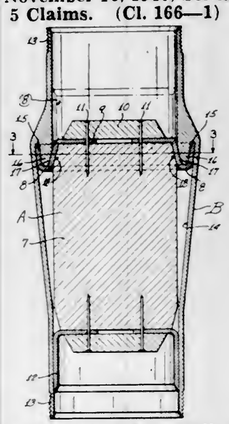
the actuated lever regardless of the position of the abutment, a spring-biased impression member, a latching device normally holding the impression member in its cocked position, and a trip member pivotally connected to the bail and having direct abutting connection with the latching device for releasing the impression member from said device to effect an impression on the inserted card.

2,275,654
CAPSULE MACHINE
Edward A. Ravenscroft, Glencoe, and George H. Tammi, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application June 10, 1940, Serial No. 339,630
12 Claims. (Cl. 18—5)



1. In a machine for making capsules of the liquid-filled soft casing type, the combination of, means providing a relatively thin aperture or opening, a passageway communicating with said opening or aperture through which capsule filling material may be injected thereinto, a pair of cooperating capsule forming and cutting members disposed on opposite sides of said opening or aperture and movably mounted for co-axial movement into and out of the same, and means for conducting sheets of capsule casing material over the opposite faces of said opening or aperture and between said capsule forming and cutting members.

2,275,655
MEANS FOR CEMENTING WELLS
Hall B. Robbins, Mount Carmel, Ill., assignor of one-half to William H. Otto, Mount Carmel, Ill.
Application November 16, 1940, Serial No. 365,859
5 Claims. (Cl. 166—1)

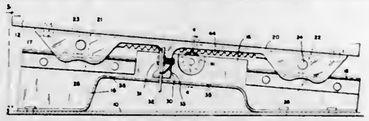


5. In a cement retainer for a well equipped with casing comprising a string of pipe through which the cement is transmitted, and a traveling plug movable downwardly in the pipe to transmit fluid pressure to the cement, said traveling plug having a flexible annular packing flange; a tubular retaining device to prevent return of the traveling plug, and means for connecting said tubular retaining device to said string of pipe, said tubular retaining device having an enlarged expanding zone between its end portions, said enlarged expanding zone having a tapering friction surface flaring upwardly from the internal diameter of said pipe to a relatively large diameter at the upper end of said expanding zone, so as to provide for gradual expansion of said flexible packing flange, the upper portion of said expanding zone being provided with an annular recess at the upper end of said tapering friction surface, and an annular depending abutment surrounded by said recess, said recess being open at the bottom to receive the upper edge of said flexible packing flange, said depending abutment having a clamping surface to receive a deformed portion of the flexible packing flange, and the body of the plug being provided with a complementary clamping surface, so as to clamp the deformed packing flange between said depending abutment and the body of the plug.

2,275,656
ADJUSTABLE SUPPORT
Walter S. Saunders, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 15, 1939, Serial No. 273,607
6 Claims. (Cl. 155—14)

2. Means for adjustably mounting a seat or the

like, comprising an upstanding support, a pair of longitudinally spaced track portions carried by the support, an intermediate portion carried by said support and projecting above the track portions, a carriage having spaced rollers adapted to travel on said track portions, an intermediate portion of the carriage extending over said higher intermediate portion of the support, and means carried partly by the carriage and partly by said intermediate portion of the support for control-



ling movement of the carriage, the end portions of said carriage being of inverted channel form, the webs thereof extending downwardly on either side of the track portions, and the rollers being journaled between said webs, the intermediate portion of the carriage being raised, a rack portion carried by said intermediate portion of the carriage, and gear means meshing therewith and journaled in the intermediate portion of the support.

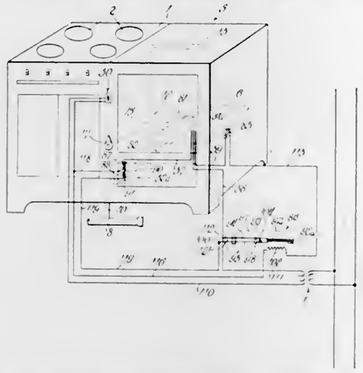
2,275,657

OVEN HEAT CONTROL

Theodore A. Wetzel, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 9, 1938, Serial No. 201,085

1 Claim. (Cl. 158—117.1)



In combination in oven control means, an oven, a main burner therein, a gas supply line connected to said main burner, a pilot burner adjacent said main burner connected to said line, a normally closed shut-off valve in said line in advance of said burners, a first solenoid coil effective when energized for opening said valve, a second solenoid coil effective when energized for holding said valve open but ineffective for opening it, an ignition coil adjacent said main burner, a transformer, a manually operable control switch having one side connected to one end of the secondary winding of said transformer, a heating coil connected to the other side of said switch and to one side of said ignition coil in series, one end of each of said solenoid coils being connected to said other side of said switch, means comprising thermostatic means subject to the heat of said burners effective for closing the circuit of said ignition coil and opening the circuit of said second solenoid coil when said thermostatic means is cold and opening the circuit of said ignition coil and closing the circuit of said second solenoid coil when said thermostatic means is hot, when said manually operated switch is closed, a normally open time switch connected to the other end of said first solenoid coil and to said other end of said secondary winding in series therewith, and a thermostat exposed to said heating coil effective for closing said time switch responsive to heating of said heating coil for a predetermined time and for opening said time switch responsive to heating of said heating coil in excess of said predetermined time.

2,275,658

METHOD OF MAKING CORELESS GOLF BALLS

David George Slovin, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application February 8, 1941, Serial No. 377,960

5 Claims. (Cl. 154—19)



1. The steps in making a golf ball which comprises winding a tensed, relatively high gravity elastic element around a collapsible hollow center filled with an easily liquefiable solid material, liquefying said material, hypodermically withdrawing the material to thereby collapse said center and partially relax said wound element, and completing the ball winding with a tensed elastic element of less gravity.

2,275,659

WATER REMOVABLE WAX COATING

John Vernon Steinle and Anton E. Budner, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin

No Drawing. Application February 25, 1939, Serial No. 258,569

10 Claims. (Cl. 99—168)

1. A coating of the following composition:

Carnauba wax	gm	30.
Oleic acid	gm	3.3
Caustic soda	gm	0.5
Triethanolamine	gm	2.7
Shellac solution	cc	60.
Water	gm	260.
Gelatin	gm	0.30 to 1.3

where the shellac solution consists of

Refined wax free shellac	lbs	1.5
Borax	lb	0.38
Water	gal	1.0

2,275,660

VEGETABLE WAX

John Vernon Steinle and Elbert S. McLoud, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin

No Drawing. Application July 17, 1939, Serial No. 284,884

9 Claims. (Cl. 210—150.5)

1. In the manufacture of wax from crude vegetable wax powder, which has not been melted in the production thereof, the method which comprises adding to the said crude vegetable wax powder a solid adsorbent adapted to adsorb chlorophyl and like coloring matter, heating the resulting mixture until the wax therein becomes molten, and filtering the molten mass.

2,275,661

WAX EXTRACTION

John Vernon Steinle and Elbert S. McLoud, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin

No Drawing. Application July 17, 1939, Serial No. 284,885

9 Claims. (Cl. 210—150.5)

1. In the manufacture of wax from vegetable wax powder which has not been melted in the production thereof, the process which comprises adding a hot solvent for wax to the said wax powder, immediately thereafter passing the dissolved wax and solvent through a filter adapted for rapid filtration, and removing the solvent in the filtrate to recover the dissolved wax.

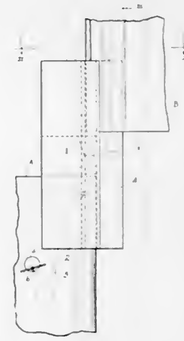
2,275,662

SHEET PILE INTERLOCKING DEVICE

Howard H. Sturdy, Newport News, Va., assignor to Dravo Corporation, a corporation of Pennsylvania

Application November 28, 1940, Serial No. 367,562

3 Claims. (Cl. 61—60)



2. A threading instrument, for use in the assembling of sheet-metal piling, consisting of a section cut from the edge of a length of piling and beveled upon its interlocking surface to the form of a block with tapering gullet and prolonged stem, positioning plates shaped to and integrated with the block and the stem thereof and extending longitudinally beyond the ends of the block, one of said plates being provided with an angular extension, and a guide plate set in angular position upon said extension and forming with the extension a guide for bringing a pile descending from above to position and to entrance into the gullet in said block.

2,275,663

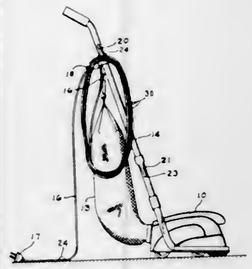
SUCTION CLEANING APPARATUS

Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 27, 1940, Serial No. 348,005

6 Claims. (Cl. 15—257)

1. In a motor-driven suction cleaner, the combination of an electric cord for connecting the motor of said cleaner to a source of power, and a handle having a cord hook thereon, said cord having a plurality of clips non-slidably attached thereto in spaced relation, said clips being adapt-



ed to be placed over said cord hook for supporting said cord looped on said cord hook.

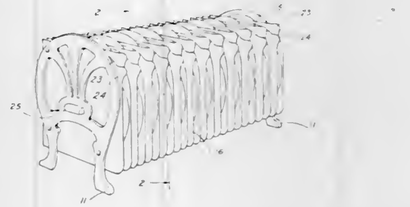
2,275,664

RECORD HOLDER

Byrl A. Whitney, Lakewood, Ohio

Application November 27, 1939, Serial No. 306,320

8 Claims. (Cl. 211—40)



5. A holder for disks and the like comprising a plurality of supports secured together in spaced relation to form a plurality of compartments open at their tops and front sides, means within said compartments to support disks arranged to support certain of said disks with portions projecting through the tops of said compartments and alternate disks with portions projecting through the front sides of said compartments, and indexing tabs on certain of said separators arranged adjacent the disks projecting from the tops of said compartments and indexing tabs on alternate separators arranged below said first mentioned tabs and adjacent the disks projecting from the fronts of said compartments.

2,275,665

HEADER OR UPSETTING MACHINE

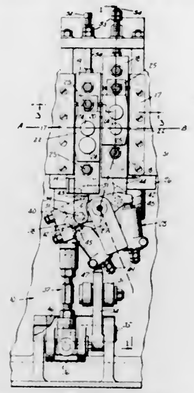
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application February 14, 1940, Serial No. 318,893

25 Claims. (Cl. 10—12)

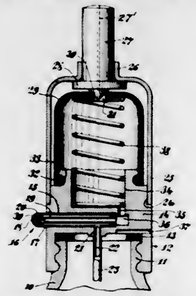
1. In combination with a movable gate, a pair of punch holders carried thereby, means for mounting each holder on the gate for sliding movement, and means for synchronously moving

the punch holders on the gate before the limit of



each forward movement of the gate.

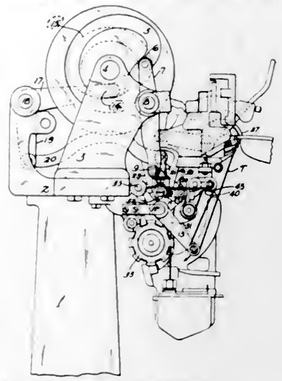
2,275,666
ATOMIZER CLOSURE
Ralph W. Wilson, New York, N. Y.
Application December 1, 1938, Serial No. 243,480
10 Claims. (Cl. 299—88)



2. In an atomizer having a closure member, an atomizing nozzle, means for directing fluid to the nozzle, and means for directing air to the nozzle, the combination of means forming a chamber on the closure member, air compressor means in the chamber having an air inlet therein, and manual means for actuating said air compressor means, said manual means being adapted to rest freely on said air compressor means and having a portion thereon adapted to be urged tightly against said air inlet to form a substantially airtight closure therefor when the manual means is depressed, thereby forming an air check valve.

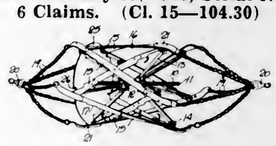
2,275,667
SHOE STITCHER
Eugene G. Wolf, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application February 26, 1940, Serial No. 320,845
9 Claims. (Cl. 112—57)

1. In a stitching machine of the class described, a main take-up, a thread measurer, and an auxiliary take-up device including a spring thrusting the thread engaging portion of the auxiliary take-up device in one direction, there being a connection between said thread measurer and said device for checking the action of said spring during a portion only of the cycle of op-



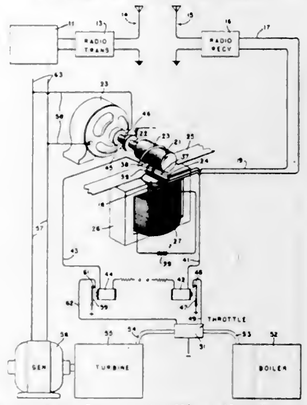
eration of said thread measurer.

2,275,668
PIPE CLEANING DEVICE
Aubern E. Wright, Nappanee, Ind.
Application February 19, 1940, Serial No. 319,583
6 Claims. (Cl. 15—104.30)



3. In combination, a plurality of resilient elongated blades arranged to form a cylindrical unit and each pivotally connected with others at its ends and its center, brackets projecting inwardly from the ends of said blades, means for adjusting the diameter of said unit including inwardly extending radial arms pivotally connected with said brackets, and a circular plate having peripheral notches receiving said blades and said arms, said plate being operatively positioned between said brackets and arms.

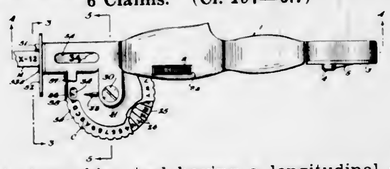
2,275,669
FREQUENCY CONTROL SYSTEM AND APPARATUS
Raymond E. Zenner, Brookfield, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 31, 1940, Serial No. 338,151
4 Claims. (Cl. 171—119)



1. In a system for controlling the frequency of

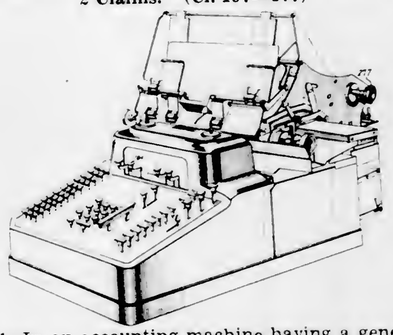
controlled-frequency power stations, a source of frequency controlling signals, a receiving recorder responsive to said signals, a printing wheel in said recorder having a single helical ridge, a knife-edged platen adapted to co-operate with said ridge in response to said signals, said printing wheel and platen adapted to co-operate directly with each other and with a control strip, and electrical circuits established upon the direct co-operation of said printing wheel and said platen resulting from a deviation of said receiving means from synchronism with said source for adjusting the frequency generating apparatus at said receiving station in accordance with said signals.

2,275,670
MARKING TOOL
Frederick W. Zipf, Newark, N. J., assignor to Roovers Bros., Inc., Brooklyn, N. Y., a corporation of New York
Application November 1, 1940, Serial No. 363,807
6 Claims. (Cl. 197—6.7)



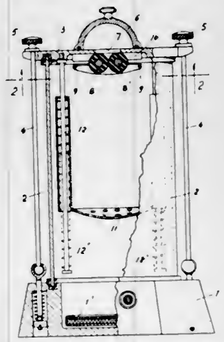
1. A marking tool having a longitudinal axis and comprising a body-member having a magazine which is adapted to hold a strip of material to be marked, a handle-member pivotally connected to said body-member, feed-means adapted to be operated intermittently by said handle-member and only when the handle-member is turned away from the body-member, said body-member and said handle-member having cooperating marking means adapted to mark said strip when said handle-member is turned towards said body-member, said feed-means being arranged to feed the strip directly from said magazine towards said marking means in a single run which is parallel to said longitudinal axis, said body-member and said handle-member being shaped so that they can be held in a single hand of the operator.

2,275,671
ACCOUNTING MACHINE
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 23, 1936, Serial No. 92,164
2 Claims. (Cl. 197—177)



1. In an accounting machine having a general actuating mechanism, a printing mechanism operated thereby, a traveling paper carriage, means to move the carriage during its working and return strokes, and tabulating means operated by the general actuating mechanism and normally effective to release the carriage for movement from one columnar position and to arrest the carriage in the next columnar position, the combination of two manipulative members, means operated by either manipulative member to start the actuating mechanism to effect printing and to release the carriage for tabulation to the next column, means, operative after the carriage is released, to render the tabulating means ineffective to arrest movement of the carriage in a plurality of its columnar positions, and means operated by the manipulative members to control the operation of the last named means to vary the columnar positions to be skipped.

2,275,672
APPARATUS FOR DRY DISINFECTION OF RAZORS, SURGICAL INSTRUMENTS, AND THE LIKE
Carina Bergamini Bruni and Pietro Bruni, Pavia, Italy
Application August 3, 1938, Serial No. 222,912
In Italy August 13, 1937
3 Claims. (Cl. 21—85)

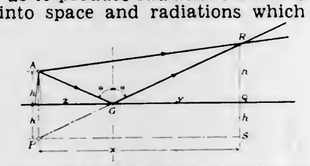


1. A portable dry disinfecting apparatus for razors and surgical instruments comprising a hollow vessel provided in the bottom with a chamber for receiving a disinfectant, a heating element in the bottom of the chamber for effecting vaporization of the disinfectant, a perforated instrument container mounted within the vessel, a cover for the top of the vessel provided with an aperture, a secondary domed lid removably covering the aperture, and spring pressed rollers mounted beneath the undersurface of the cover for normally closing the aperture and between which instruments may be inserted into the instrument container, said rollers forming a sealable closure for the aperture to prevent the escape of gases.

2,275,673
APPARATUS FOR CONTROLLING THE GLIDE PATH FOR RADIO LANDING OF AIRCRAFT
Gomer L. Davies, Cleveland, Ohio, assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware
Application December 18, 1935, Serial No. 55,129
Renewed November 26, 1937
6 Claims. (Cl. 250—11)

1. A radio system for providing a path to ground for landing aircraft, having a pre-deter-

mined shape and a pre-determined angle to the plane of the landing area toward which the path provides guidance, comprising means for establishing a line of constant field intensity having its origin in the plane of the landing area and extending upwardly into space, said means including an antenna array disposed above the plane of the landing area and being so constructed and energized as to produce radiations which travel directly into space and radiations which are re-



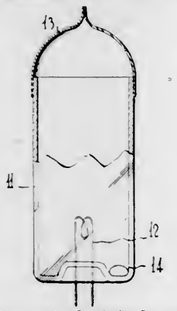
flected from the plane of the landing area and which direct and reflected radiations define said path, and a prepared reflecting surface formed of a material which is chosen because of its reflecting characteristics to cause the path to ground to have a pre-determined shape and angle of elevation with respect to the plane of the landing area, said prepared reflecting surface being spaced from the antenna array by a distance determined by the pre-determined shape and angle of elevation of the path to ground.

2,275,674

ELECTRIC INCANDESCENT LAMP

Leonard John Davies, Rugby, Henry William Hugh Warren, Coventry, and Gavin Hamilton, Rugby, England, assignors to General Electric Company, a corporation of New York

Application October 5, 1937, Serial No. 167,354
In Great Britain October 5, 1936
3 Claims. (Cl. 176—16)



2. An incandescent electric lamp comprising a light-transmitting envelope of high melting point vitreous material having a filament mounted therein and containing a filling of an inert gas at a pressure of about 300 mms. and also such a quantity of mercury that at the operating temperature of the lamp the mercury is completely vaporised and the combined pressure of the gas and vapour exceeds one atmosphere.

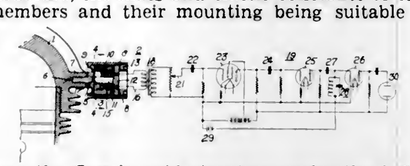
2,275,675

DETONATION DETECTOR SYSTEM

Charles S. Draper, Boston, Mass., and Joseph H. Lancor, Jr., Edgewood, R. I., assignors to Research Corporation, New York, N. Y., a corporation of New York

Application May 13, 1938, Serial No. 207,794
7 Claims. (Cl. 177—311)

1. Apparatus for measuring intensity of detonation in a closed chamber, comprising a pick-up unit arranged for external mounting on a closed chamber, said pick-up unit including a coil and a magnetic structure linked with said coil, said structure including flux determining members relatively movable to vary the flux in said structure, the mass and elastic constants of said members and their mounting being suitable to



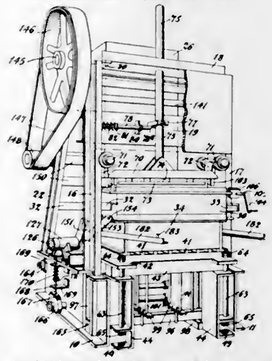
vary the flux in said structure under the influence of vibration of the wall of a chamber mounting the pick-up in a manner to produce in said coil a signal voltage that is a derivative with respect to time of the vibratory acceleration of the wall of said chamber, an amplifier for amplifying said signal voltage, and an indicator controlled from said amplifier.

2,275,676

CONCRETE BLOCK MACHINE

Louis Gelbman, Yonkers, N. Y., and Eugene F. Olsen and Arthur B. Mays, Adrian, Mich., assignors, by mesne assignments, of eleven-twentieths to Hamlin F. Andrus, and nine-twentieths to Louis Gelbman, both of Yonkers, N. Y.

Application August 28, 1937, Serial No. 161,370
Renewed April 21, 1939
19 Claims. (Cl. 25—41)



1. In a building block machine, a frame for the block machine, a mould for making concrete or the like blocks, means for vibrating or jolting said mould to pack the concrete material therein during making of said blocks, a supply hopper for a large mass of concrete material, a feed drawer working between said hopper and mould to supply the mould with concrete material as needed, and a track system mounted on said frame for the feed drawer to ride on and holding the feed drawer from touching the mould preventing the transmission of vibrations from the mould to the feed drawer.

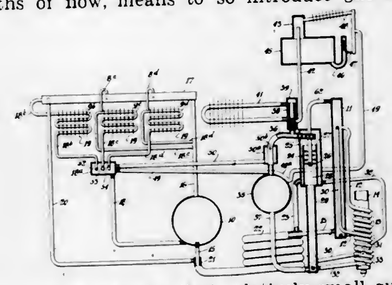
2,275,677

REFRIGERATION

Walter A. Kuenzli, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 22, 1937, Serial No. 181,121
11 Claims. (Cl. 62—5)

5. An absorption refrigeration system including a vapor expulsion component, members forming an absorption liquid circuit having upflow conduits and a downflow conduit connected at their upper ends above said vapor expulsion component, said upflow conduits providing parallel paths of flow, means to so introduce gas into



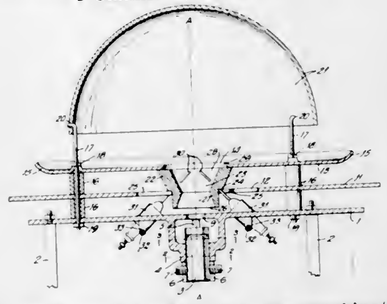
said upflow conduits that relatively small quantities of absorption liquid at a time are caused to flow in the presence of the gas, and means to control admission of gas while maintaining circulation of liquid in said circuit.

2,275,678

LIQUID FUEL BURNER

William C. Mason, Albany, N. Y.

Application July 25, 1938, Serial No. 221,077
8 Claims. (Cl. 158—28)



1. In a liquid fuel burner, the combination with a hollow dome open at the bottom of a fuel atomizing nozzle having its discharge orifice arranged vertically beneath and substantially axially aligned with said dome, a substantially horizontal plate element disposed between said dome and nozzle and placed sufficiently close to said dome to be impinged upon by the flame deflected by said dome when the jet of atomized fuel issuing from said nozzle is ignited, said plate element being provided with an opening through which a jet of atomized fuel discharged from said nozzle may pass, and a second plate spaced below said first place and provided with an opening of sufficient area to permit the unrestricted passage of said jet of atomized fuel therethrough.

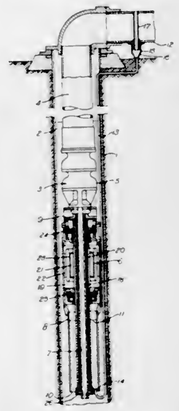
2,275,679

SUBMERSIBLE PUMP AND ELECTRIC MOTOR

Thomas G. Myers, Los Angeles, Calif., and Frank Mason, Chicago, Ill., assignors to U. S. Electrical Motors, Inc., a corporation of California

Original application February 27, 1932, Serial No. 595,590. Divided and this application August 23, 1937, Serial No. 160,481
3 Claims. (Cl. 103—87)

1. In a submersible pump structure, a housing adopted to be submerged in the liquid to be pumped and open at the bottom, a power unit in the housing, a pump operated by the unit, a discharge pipe for the pump, and extending upwardly out of said liquid, means for returning a



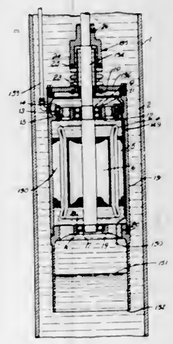
part of the liquid from the pipe, to the lower part of the housing, and means for trapping gas in the returned liquid to provide a gaseous atmosphere at the upper part of the housing for the power unit.

2,275,680

SEALING DEVICE

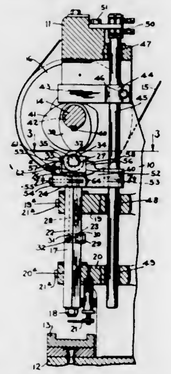
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Application May 2, 1938, Serial No. 205,583
1 Claim. (Cl. 286—8)



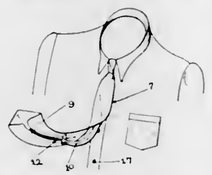
In a device of the character described, a casing adapted to be submerged in well liquid, said casing being closed at its upper end and open to the well liquid at its lower end, a shaft extending upwardly out of the casing, said casing and shaft being relatively rotatable, sealing means between said shaft and casing, comprising a pair of contacting members respectively associated with the shaft and the casing, means forming an annular chamber about said shaft adapted to trap the leakage of well liquid past said seal, and means to return said leakage from the chamber directly to the well through said open end.

2,275,681
EYELET MACHINE
William D. Pierson, Waterbury, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application June 9, 1938, Serial No. 212,830
2 Claims. (Cl. 113—40)



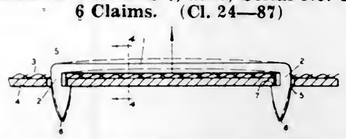
1. In a plunger press, a punch-carrying plunger having a cam-engaging roller bumper rotatably mounted in the upper end thereof for driving said plunger downwardly, a cam-operated kneepiece connected with the top of said plunger for driving the latter upwardly, said kneepiece comprising a body member for connection with a reciprocating lifter rod and a front cap member, each of said members partially embracing said plunger and having upstanding guide means engaging said plunger to prevent bending of the top thereof, and a clamping screw carried by said front cap member and having a friction pad on its end for engaging said plunger to prevent accidental jumping upward of said roller due to shocks.

2,275,682
NECKTIE AND NECKTIE FASTENER
Grace Rantz, Cleveland, Ohio
Application December 12, 1938, Serial No. 245,171
2 Claims. (Cl. 2—157)



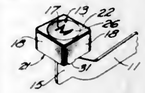
1. In combination with a shirt having buttons along the front thereof, the combination of, a necktie including a large end and a small end connected by a neck encircling portion, comprising a large end having the material separated on the rear surface thereof forming a pocket, fastening means adapted to open and close said pocket, whereby the pocket may be opened and the small end inserted therein and the pocket may then be closed, for holding the small end within the large end, said fastening means being provided with means adapted to selectively embrace one of said buttons, for anchoring said large tie end to one of said buttons, for holding said tie in place.

2,275,683
FABRIC CLIP
Charles E. Rutledge, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 7, 1940, Serial No. 369,044
6 Claims. (Cl. 24—87)



1. A clip for securing fabric upon an underlying sheet metal support formed with a pair of widely spaced holes, against a pull outwardly of the support, said clip comprising a pair of stiff shanks, similarly spaced, inwardly facing barbs formed upon said shanks, said shanks being of a length, inside the barbs, only substantially equal to the combined thickness of the sheet metal and of the fabric, the barbs being spaced apart less than the spacing between the holes, and a long resilient connecting bar of a length corresponding to the spacing of the holes, said bar by its resilience yielding to pass the barbs through the holes, but snapping them back, when passed through the holes, into engagement beneath the under side of the sheet metal support.

2,275,684
TYPEWRITING MACHINE
Walter T. Sagner, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 27, 1939, Serial No. 311,159
11 Claims. (Cl. 197—102)

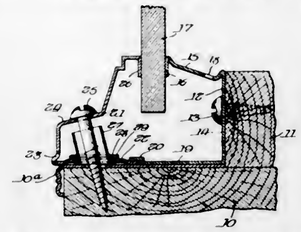


1. A key-assembly for typewriters or the like, comprising, a key-stem, a circular key-top on the said stem bearing a character, a plate below the said key-top rotatively locked to the said stem, a non-circular casing circumscribing the said plate and the said key-top and having an inwardly extending top-rim to bear on said circular key-top along its periphery, and cooperative means on the said plate and the said casing to rotatively lock and hold the casing with its top-rim seated on the key-top.

2,275,685
MIXED POLYVINYL ESTERS CONTAINING DICARBOXYLIC ACID GROUPS
Martti Salo, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 21, 1940, Serial No. 325,185. In Great Britain April 6, 1939
7 Claims. (Cl. 260—78)

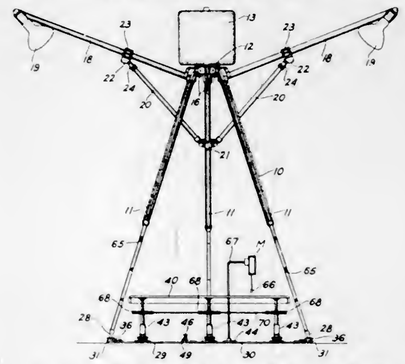
1. The process of preparing a polyvinyl ester containing lower fatty acid and dicarboxylic acid groups which comprises reacting together approximately one part of a polyvinyl ester of a fatty acid of 2–4 carbon atoms, approximately .75–1.25 parts of a dicarboxylic acid anhydride and approximately 0.05–0.2 part of water in approximately 1–2 parts of an inert, water-miscible solvent for the starting materials and the polyvinyl ester prepared, at a temperature within the range of 250–350° F.

2,275,686
STORE FRONT CONSTRUCTION
Ejnar J. Schonberg, Fargo, N. Dak.
Application February 10, 1940, Serial No. 318,264
3 Claims. (Cl. 20—56.4)



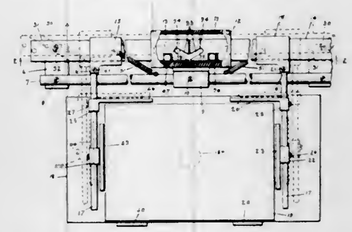
1. Store front construction comprising in combination, a glass pane, an outer sash member having a side wall and a base adapted to rest upon the window sill having drain openings therein and aligned holes in said side wall and the base section, a fastening member extending through the said aligned openings into the window sill, an inner sash member, and a ferrule having a collar portion formed adjacent one of its ends, the collar portion resting upon the base plate and forming a water-tight joint between the said collar portion and the base plate, and retaining means whereby the said ferrule is held in position on said plate.

2,275,687
PHOTOGRAPHIC COPYING APPARATUS
Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 16, 1940, Serial No. 352,896
10 Claims. (Cl. 88—24)



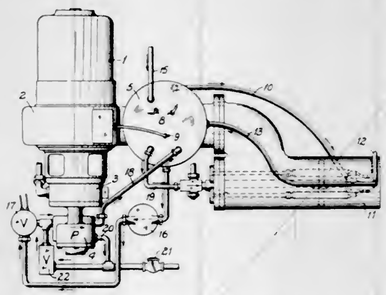
1. In an apparatus of the type described the combination with a collapsible camera stand having a plurality of adjustable legs pivoted to the head thereof to swing toward and away from one another, of a collapsible support for said stand, means on said support for receiving the feet of said stand to fix the legs thereof in a given position of spread, a copy holder, means for detachably mounting said copy holder on said support within the legs of said stand and beneath, and in a plane parallel to, the plane of said head, and an elevating mechanism for adjusting said copy holder to and from the head of said stand independently of said stand and in accordance with the thickness of copy positioned on said board.

2,275,688
PAPER JOGGING APPARATUS FOR PRINTING PRESSES
Paul H. Schulz, Moline, Ill.
Application April 17, 1940, Serial No. 330,033
10 Claims. (Cl. 271—89)



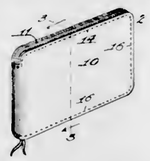
1. A jogging apparatus for printing press work, comprising a frame, a main support connected rigidly with the frame, a housing supported from said main support, a pair of plates supported in said housing at their adjacent ends, provided at their outer ends with opposite disposed channels, diagonally of said plates, similarly disposed slots at the inner ends of said plates, guiding means on said frame engageable with said channels, guiding means in said housing engageable with said slots, a jogging apparatus supported from said plates, and means for moving said plates to spread the jogging apparatus in a direction angular to the edges of a stack of material to be arranged by said jogging apparatus.

2,275,689
OIL BURNER
William B. Shepperd and Lewis L. Scott, St. Louis, Mo.; said Shepperd assignor to said Scott
Application February 21, 1940, Serial No. 320,138
1 Claim. (Cl. 158—36)



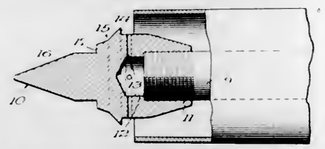
In an oil burner for burning heavy oils for heating a fluid, a pump for pumping and delivering oil to the burner atomizer, an oil preheater for heating the oil going to the atomizer comprising a tank containing a liquid having a higher boiling point than water, a heater having a source of heat independent of the oil flame for heating the liquid in the tank, automatic means responsive to the temperature of the liquid in the tank for controlling the operation of said heater, an oil pipe in thermal communication with the liquid in the tank, a pipe containing liquid from the tank exposed to radiant heat of the oil flame and so connected to the tank as to heat the liquid in the tank.

2,275,690
BILLFOLD AND LICENSE CASE
Lester L. Sherwood, Los Angeles, Calif.
Application February 15, 1941, Serial No. 379,091
2 Claims. (Cl. 150—38)



2. In a bill fold and license case, a section of flexible material folded on a medial line to form a pair of side walls, a narrow lining strip of flexible material secured to and overlying the upper portion of the inner faces of said side walls, a section of flexible material overlying the inner faces of said side walls and secured thereto along their lower and outer edges, the upper portion of which last mentioned section of flexible material overlies the lower portions of said lining strips, the central portion of the flexible member that overlies the inner faces of said side walls being folded to provide a pair of spaced outwardly projecting flanges, transparent envelopes detachably secured to and arranged between said flanges, flexible partitions arranged between said side walls and the flexible member that overlies the inner faces thereof, the lower and outer end edges of which partitions are secured to the lower and outer end edges of said side walls and to the lower and outer edges of the flexible member overlying the inner faces of said side walls and the inner ends of said flexible partitions being secured to the flexible member that overlies the inner faces of the side walls adjacent said flanges.

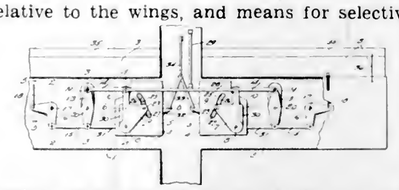
2,275,691
APPARATUS FOR ATOMIZING LIQUIDS
William A. Simanton, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application January 24, 1941, Serial No. 375,852
5 Claims. (Cl. 299—140)



1. A nozzle tip comprising a substantially conical body having a cavity therein adjacent its base, an annular knife-like flange surrounding the conical body adjacent its base and rising steeply from the base to said sharp edge to present a substantially perpendicular surface, and at least one liquid passage in the body leading from said cavity to a point adjacent the upstream side of the flange.

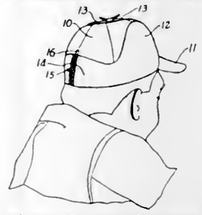
2,275,692
AIRPLANE AILERON
Edward Sims, Zanesville, Ohio
Application April 2, 1940, Serial No. 327,499
9 Claims. (Cl. 244—83)

1. An airplane having wings, ailerons connected thereto, means simultaneously moving the ailerons together in either similar direction relative to the wings, and means for selectively



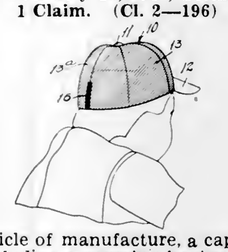
moving either one aileron upwardly and maintaining the other aileron against movement.

2,275,693
CAP
Irving E. Soboroff, Chicago, Ill., assignor to Soboroff-Rosenwald Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1941, Serial No. 378,173
3 Claims. (Cl. 2—196)



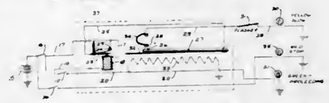
1. As an article of manufacture, a cap including a crown portion and ear flaps adapted to be folded upwardly over the sides of the crown portion, said ear flaps having aligned extensions at the rear of the cap, and a sliding type vertically disposed fastener connecting said extensions and manually operable to separate said extensions when said flaps are folded upwardly to facilitate turning of the flaps downwardly and thereafter manually operable to connect the extensions together over the rear of the neck of the wearer.

2,275,694
HUNTER'S CAP
Irving E. Soboroff, Chicago, Ill., assignor to Soboroff-Rosenwald Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1941, Serial No. 378,174
1 Claim. (Cl. 2—196)



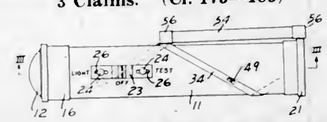
As an article of manufacture, a cap comprising a crown including a covering having a reversible half portion foldable over the other half of the crown, said reversible portion being separated for a limited extent at the back of the crown from the other half portion by fastening means which is operable to disconnect and connect said portions, whereby said reversible portion may be folded from one side to the other of the crown without requiring removal of the cap from the wearer, said fastening means comprising a slidable type of fastener disposed in substantially the medial plane of the cap and extending part way up the back of the crown.

2,275,695
AUTOMOBILE CHANGE SPEED INDICATOR
Lawrence T. Stafford, Indianapolis, Ind.
Application January 29, 1940, Serial No. 316,286
1 Claim. (Cl. 177—339)



In a vehicle change-in-speed indicator operated by travel of a vehicle fuel control member, a caution signal, a main signal control switch actuated by said fuel control member, a source of electrical energy, an electro-magnet, a heating unit, an electrical circuit including said energy source, control switch, magnet, and heating unit, an interrupting switch associated with said electro-magnet normally biased to a closed position and shiftable to an open position by said magnet upon energization thereof, a thermostatic switch associated with said heating unit normally biased to an open condition and closed upon energization of said unit, and a second circuit including said energy source, interrupting switch, said thermostatic switch, and said signal, whereby closure of said main control switch closes said first circuit and opens said second circuit by opening said interrupting switch, and subsequent opening of said main switch causes closing of said second circuit which remains closed until said thermostatic switch opens upon cooling of said heating unit.

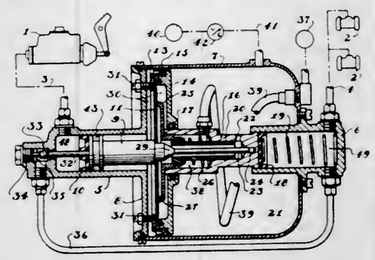
2,275,696
FLASHLIGHT TESTER
Samuel C. Stamps, Birmingham, Ala.
Application August 1, 1940, Serial No. 349,363
3 Claims. (Cl. 175—183)



1. The combination with a flash light having a battery case, a battery therein, an electric light bulb at one end of the case, a cap on the other end of the case adapted to receive one terminal of a fuse to be tested, said cap being formed of material to conduct electricity, and means connecting one pole of the battery to said cap, of a strip of electrical conductive material wrapped around the case in position to receive the other terminal of the fuse to be tested, a manually operable electric switch, means responsive to the switch being in one position to energize the bulb, and means responsive to the switch being in a second position to energize and partially close an electric circuit within which is included the bulb, the strip of material around the case, and the cap.

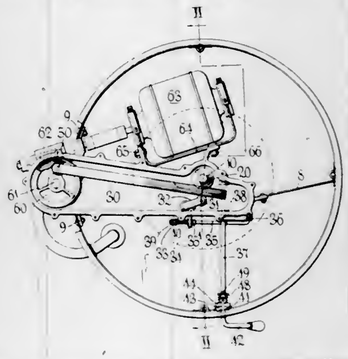
2,275,697
HYDRAULIC BRAKE BOOSTER
Berteli Stelzer, St. Petersburg, Fla., assignor to William Stelzer, Detroit, Mich.
Application June 13, 1941, Serial No. 397,889
7 Claims. (Cl. 188—152)

1. In a hydraulic braking system for an automotive vehicle having wheel cylinders to apply the brakes, a master cylinder operated by the operator to produce a primary pressure, a hydraulic booster, said booster having a primary hydraulic cylinder with a piston therein responsive to the hydraulic pressure in said master cylinder, and a secondary cylinder with a piston therein to produce a secondary hydraulic pressure for the wheel cylinders, means to transmit the mechanical reaction force of the piston in the primary cylinder to the piston in the secondary cylinder to produce a hydraulic pressure in said secondary cylinder, an expansible motor mechanism adapted to act on said piston in said secondary cylinder to increase the hydraulic pressure therein, a source of power to operate said expansible motor mechanism, valve means responsive to the mechanical force transmitted from the piston in said primary cylinder to the



piston in said secondary cylinder, and to the mechanical force transmitted from said expansible motor mechanism to said secondary piston to direct power to said expansible motor mechanism to boost the secondary pressure in a pre-determined proportion to the primary pressure, fluid pressure transmitting means from said master cylinder to said primary cylinder and from said secondary cylinder to said wheel cylinders, and fluid pressure transmitting means between said primary cylinder and said secondary cylinder with means interposed to prevent passage of fluid from said secondary cylinder to said primary cylinder except in the "off" position.

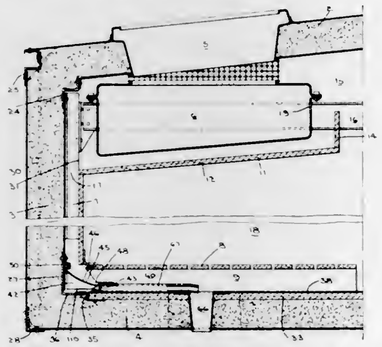
2,275,698
WASHING MACHINE
Luke J. Strauss, Buffalo, and Raymon E. Rousseau, Orchard Park, N. Y.
Application January 10, 1939, Serial No. 250,200
10 Claims. (Cl. 74—78)



1. In a mechanism of the class described, an oscillatable friction wheel, a bar movable back and forth in tangential driving relation to said wheel, said wheel and said bar having opposed complementary relatively angularly disposed interengageable friction faces providing a wedging action therebetween, and pressure means engag-

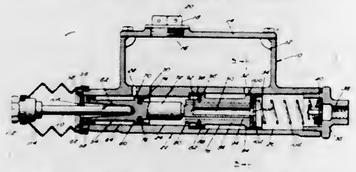
ing said bar adjacent its point of driving engagement for directly maintaining said wedging action between said bar and said wheel, whereby by and during movements of said bar in its tangential driving relation said wheel is oscillated thereby.

2,275,699
REFRIGERATOR CAR CONSTRUCTION
Earl R. Swanson, Chicago, Ill., assignor to Standard Railway Devices Company, a corporation of Delaware
Application January 25, 1940, Serial No. 315,465
7 Claims. (Cl. 62—17)



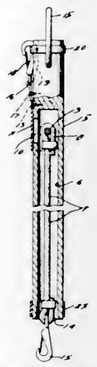
1. In a refrigerator car having a wall and a floor, refrigerating means adjacent the upper part of said wall, a vertical flue associated with said wall and adapted to conduct air and liquid from said means to the lower part of the car, a trough associated with said floor and arranged to receive liquid from said flue, a removable rack resting upon said floor to support a lading in spaced relation thereto and a foraminous sheathing provided with relatively small apertures arranged to substantially cover said trough, said sheathing being arranged to swing upwardly, said rack having a part arranged to overlie a part of said sheathing to hold the sheathing in its covering position.

2,275,700
FLUID PRESSURE BRAKING SYSTEM
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 8, 1940, Serial No. 334,044
9 Claims. (Cl. 60—54.6)



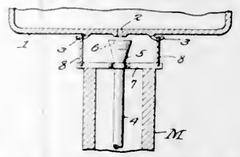
1. A fluid pressure producing device comprising a cylinder having a small chamber and a large chamber, a discharge port in the large chamber, a piston reciprocable in the small chamber, and a floating piston in the large chamber having a fluid passage controlled by a sealing means seated on the piston and a restricted passage therethrough providing communications between the small chamber and the large chamber.

2,275,701
DOG LEASH
Charles Andrew Taylor, Indianapolis, Ind., assignor of twenty percent to Harry Yanthis, Jr., and twenty percent to Alvia B. Coleman, both of Indianapolis, Ind.
Application January 17, 1941, Serial No. 374,936
4 Claims. (Cl. 119—109)



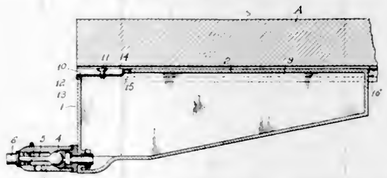
1. In an animal leash, a casing for normally housing a leash strap, said casing having an external groove in the peripheral wall thereof, a snap fastener hinged to the casing exteriorly thereof for tethering purposes and adapted to seat within said groove, and a resilient clip mounted on the casing and engageable with the snap fastener for releasably retaining the latter seated within said groove.

2,275,702
POURING TUBE
James Edmond Thomas, Tarentum, Pa.
Application March 29, 1941, Serial No. 385,925
2 Claims. (Cl. 22—79)



1. A tube for bottom pouring consisting of heat-resisting material having a flared, funnel-like upper end provided with an exposed unobstructed opening in its side wall.

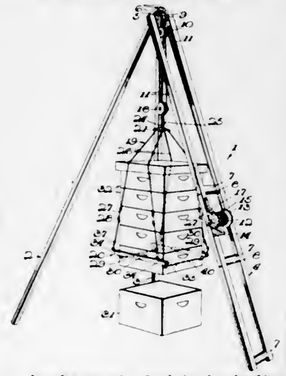
2,275,703
DISPENSING CONTAINER
Carl P. Trester and Herault A. Trester, Milwaukee, Wis.
Application December 2, 1940, Serial No. 368,250
3 Claims. (Cl. 225—37)



1. In combination, a support, a dispensing container slidably mounted upon the support beneath

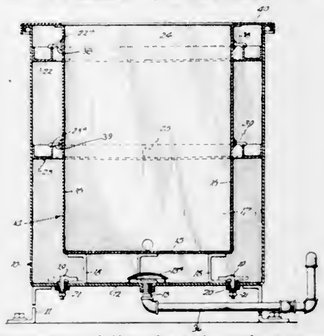
the same and movable to project outwardly from the support and to be disposed with its front end approximately in line with the front edge of the support, a dispensing cock carried by the front end of the container, and a cover extending over the front top portion of the container and spaced from the under surface of said support, and a handle for the cover arranged in the space between the same and the under surface of the support.

2,275,704
BEEKEEPER'S HOIST
Theodore B. Turner, Sr., Corning, Iowa
Application September 24, 1941, Serial No. 412,196
6 Claims. (Cl. 294—67)



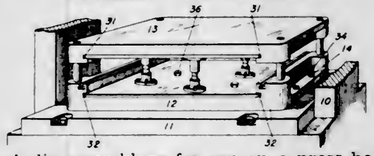
1. In a beekeeper's hoist, including hoisting mechanism having a sling provided with depending sling members spaced apart at their lower ends, and a clamp composed of spaced hive engaging bars provided intermediate their ends with lips arranged to extend into recesses in a high, flexible means for connecting the bars with each other and means for connecting the bars with the sling members for causing the bars to tend to move towards each other when there is a pull on the sling member by the hoisting mechanism.

2,275,705
HEAT TREATING APPARATUS
William E. Wagner, Chicago, Ill., assignor to Verley Products Corporation, Chicago, Ill., a corporation of Illinois
Application February 26, 1940, Serial No. 320,977
2 Claims. (Cl. 257—208)



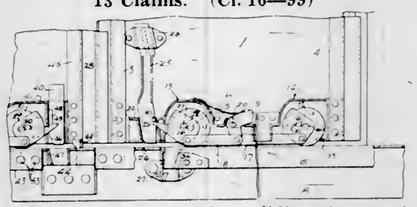
1. Apparatus of the class described comprising a tank provided with an inlet in the lower portion thereof, a receptacle in said tank spaced therefrom to provide a fluid circulation chamber beneath the bottom and surrounding the side walls of the receptacle, a pair of troughs in said chamber secured to said tank and surrounding said receptacle at different elevations whereby fluid in the chamber is uniformly dischargeable into one or the other trough when the fluid in the chamber is at the level of the respective trough, outlets in a wall of said tank each communicating with one of said troughs, and an operable closure means for the outlet of the lower trough for selectively rendering one or the other of said troughs operable for maintaining the fluid in the circulating chamber at a corresponding level.

2,275,706
DIE SET AND TEMPLATE MOUNTING
George F. Wales, Kenmore, N. Y.
Application October 23, 1939, Serial No. 300,782
24 Claims. (Cl. 164—118)



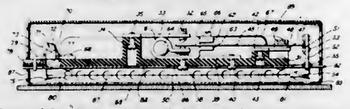
1. A die assemblage for use on a press having a stationary member and a member movable toward and from said stationary member, said die assemblage including a plurality of cooperating punch and die parts, a template having locating means thereon for accurately positioning some of said parts in correct spaced relation to each other, means for securing said parts in their correct relation on said template while positioned by said locating means, means for securing said template on one member of a press, a locating device adapted to be applied to a part on said template and a cooperating part to position said parts into correct operative relation to each other and to the other member of the press, and means for securing said cooperating part to said other member of a press while being positioned by said locating device.

2,275,707
RAILWAY SLIDING DOOR STRUCTURE
Axel Wasberg, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 22, 1938, Serial No. 231,141
13 Claims. (Cl. 16—99)



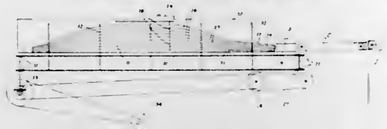
1. In combination with a sliding door and a track beneath the same, a stationary stop beneath said track, a holding bar movable on said door to oppose said stop, a roller having an axle, a bell crank pivoted on said axle, manually operable means for rotating said bell crank on its pivot to raise and lower said door relative to said roller and track, said bell crank having an element arranged to lift said bar from stop-opposing position when said bell crank is moved to support said door on said roller.

2,275,708
HUMIDITY RESPONSIVE CONTROL DEVICE
Kenneth E. Whitney, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 3, 1937, Serial No. 177,992
1 Claim. (Cl. 200—52)



A humidostat comprising a base composed of electrical insulating material, adjustable electrical contacts mounted on said base, oscillating means torsionally pivoted for movement between said contacts, force exerting means for holding said oscillating means in one or the other of its extreme oscillatory positions upon movement of said means from its intermediate mean position, humidity responsive means comprising an element connected to said oscillating means at one end and adjustably mounted at the other end, heat conducting means comprising a metal shield having a perforated channel portion and a plate member, said channel portion and plate member substantially surrounding said humidity responsive means, whereby said humidity responsive means directly simulate the temperature at a desired location from which the heat is conducted by said heat conducting means, and means for pivotally mounting said humidostat against a surface, said mounting means comprising a relatively stationary fastening bracket having a pivoted arm projecting therefrom and attached to said humidostat for holding the latter in operative position against said surface, whereby said humidostat may be moved toward and away from said surface without disturbing the relatively stationary bracket.

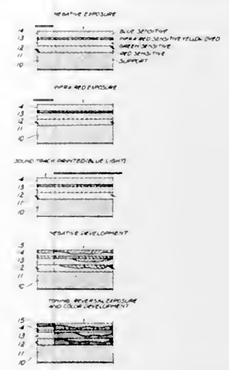
2,275,709
SLAT FEEDING APPARATUS
William H. Wilcox, Stockton, Calif., assignor to California Cedar Products Company, a corporation
Application August 6, 1940, Serial No. 351,562
12 Claims. (Cl. 198—34)



1. A conveyor assembly comprising means to initially support a group of slats in a horizontal position and superimposed contacting relationship, vertically spaced slat supporting elements for the individual slats in the group extending for a predetermined distance beyond the initial support, said elements diverging from an initial spacing the same as the thickness of the slats and means to advance the slats from the initial support onto and along said elements.

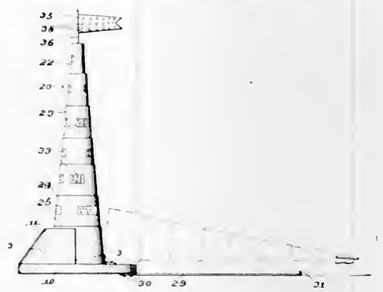
2,275,710
COMBINED SOUND AND PICTURE FILM
Lot S. Wilder, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 9, 1940, Serial No. 365,082
In Great Britain January 3, 1940
11 Claims. (Cl. 95—2)

1. The method of forming sound and natural color picture images in a film having a plurality of layers sensitive to different spectral regions and a light absorbing interlayer between two of the sensitive layers on a support which comprises exposing the picture area to form an image therein and fogging only in the picture area the light-absorbing interlayer sensitized to a region of the spectrum other than that to which any of the other emulsions are sensitive, printing the sound image in the sound area, developing the film and



gold toning only the sound image and subjecting the film to a series of exposure and color development steps to produce silver and dye images in the layers, the color development being one in which a color forming compound couples with the oxidation product of the developer and in which the gold sound image is not affected and then removing the silver images formed in the various development steps without affecting the gold or the dye images.

2,275,711
SAFETY SIGNAL
Hiram A. Ybanez, Jacksonville, Fla., assignor of one-half to Jessie Howard, Jacksonville, Fla.
Application April 2, 1941, Serial No. 386,534
4 Claims. (Cl. 116—67)



4. A collapsible portable signal comprising a base adapted to be placed on the ground, a housing mounted on the base and composed of a plurality of telescoping conical sections, a coil spring rising from the base, located within the housing and adapted to maintain the sections in vertical extended relation, means for hingedly connecting the bottom section of the housing to the base member, a lug projecting from the lower section of the housing at a point diametrically

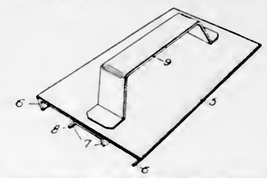
opposite the hinge means, a lever pivoted at one end on the base member, the free end of the lever resting upon the lug, a spring pressing the lever on to the lug, and a protective wall rising from the base member, the spring pressed lever being located between the protective wall and the lug on the housing so that when the housing adjacent the lug is struck by an automobile moving toward that part of said housing which carries the lug, the housing will be thrown to a horizontal position away from the lever and be protected from injury by the wall.

2,275,712
PRESSURE DIAPHRAGM
Stephen J. Zand, Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,525
3 Claims. (Cl. 137—157)



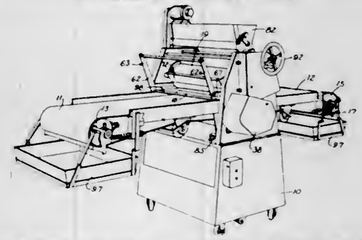
3. A diaphragm adapted for use as the sensitive element in a pneumatic-hydraulic valve comprising a resilient core of substantially uniform thickness made of a fabric material impregnated and faced on both sides with a rubberlike substance, a pair of fixed connecting members in the form of rings, made of comparatively rigid material, between the respective adjacent side faces of which the resilient core is circumferentially bonded, the rings forming a circumference defining integral portion of the diaphragm, a pair of movable connecting members in the form of discs, made of comparatively rigid material, situated at the center of the circumferentially defined core, the adjacent side portions of which are bonded to opposite sides of the core and form an integral portion of the diaphragm, the free part of the core between the pairs of rings and discs being fulled radially during the process of manufacture of the diaphragm so as to leave the same in a normally relaxed condition which permits the movable connecting members of the diaphragm to have a limited degree of unrestrained transverse movement with respect to the fixed connecting members.

2,275,713
WINDSHIELD SCRAPER
John E. Ahlborg, Denver, Colo., assignor to Plomocite Products, Inc., Denver, Colo., a corporation of Colorado
Application February 6, 1939, Serial No. 254,746
3 Claims. (Cl. 30—172)



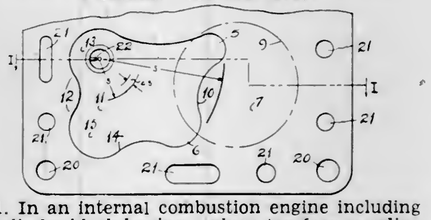
1. A windshield scraper comprising a backing plate having a pair of flanges that extend convergently away therefrom, said flanges terminating in angular cutting edges positioned in a common plane, the angular inclination of said cutting edges being opposite each other and opposite to that of their respective flanges.

2,275,714
DOUGH SHEETER
Frank A. Anetsberger, Chicago, and Dean H. Whitehead, Oak Park, Ill., assignors to Frank A. Anetsberger and William A. Anetsberger, a co-partnership doing business as Anetsberger Brothers, Chicago, Ill.
Application September 25, 1941, Serial No. 412,276
8 Claims. (Cl. 107—12)



1. A dough sheeter comprising a pair of aligned endless conveyors spaced apart at the adjacent ends, a pair of cooperating sheeting rolls between said ends and arranged to receive dough therebetween from one of said conveyors for sheeting the same and delivering it to the other conveyor, means for operating said conveyors whereby one is operated at a linear velocity greater than the linear velocity of the other, means for operating said rolls, and means for reversing the direction of operation of the roll and conveyor operating means for effecting a reversal of the direction of operation of said rolls and conveyors and simultaneously reversing the ratio of the linear velocity of said conveyors.

2,275,715
INTERNAL COMBUSTION ENGINE CYLINDER HEAD
Irving E. Aske, Muskegon Heights, Mich.
Application May 15, 1941, Serial No. 393,557
5 Claims. (Cl. 123—191)



1. In an internal combustion engine including a cylinder block having a plane top face, a cylinder bore extending into the said block from the said face, a piston in the said bore and adapted to be reciprocated therein, and a cylinder head having a plane face for engaging the plane top face of the cylinder block and closing the cylinder bore therein; a combustion chamber extending into the cylinder head from its plane face, and having extending therein a spark plug including a pair of electrodes having their point of ignition within the combustion chamber, the said combustion chamber having concentrically spherical volumes so related to the said ignition point of the electrodes, total combustion volume

and total radial distance from said point that the maximum ratio of any increment of combustion volume to the total volume, multiplied by one hundred, and divided by the corresponding ratio of incremental radius to the total radius distance, will come within the limits O, B, C, D, E, G, of the chart shown in Figure 3 of the drawings.

2,275,716

PROCESS OF CASTING PLASTIC SHEETING

Gustave B. Bachman, Lafayette, Ind., and Carl N. Behrndt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 15, 1939, Serial No. 295,088

3 Claims. (Cl. 106—181)

2. A solution, in a volatile organic solvent, of a cellulose ester and a plasticizer, adapted to be cast on a casting surface to form transparent sheeting, containing, as a substance for facilitating stripping of the sheeting from the casting surface, from 0.05% to 5% of a dialkyl ester of sulfosuccinic acid.

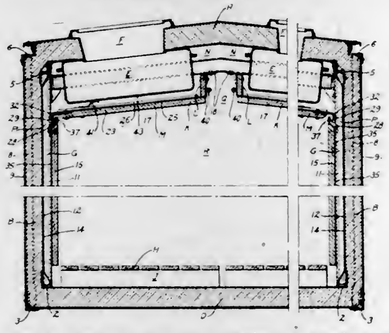
2,275,717

REFRIGERATOR CAR CONSTRUCTION

Wallace E. Baillie, Chicago, Ill., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware

Application September 5, 1940, Serial No. 355,499

18 Claims. (Cl. 62—17)



1. In a refrigerator car having a roof, a wall and a refrigerant container below said roof, the combination of a drip pan below said container, a supporting member rigidly supported within the car, said drip pan having a part arranged to engage with said member to provide a support for the drip pan, and a spring arranged to yieldingly hold said part and said member in engaged relation.

2,275,718

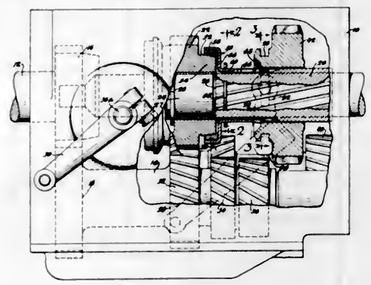
SYNCHRONIZED LOW GEAR

Roscoe Beringer, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 19, 1940, Serial No. 330,456

9 Claims. (Cl. 74—339)

1. In variable ratio power transmitting gearing, the combination of two parallel shafts carrying constantly meshing gears, one of which is capable of free rotation with respect to the shaft on which it is mounted; means for selectively locking said latter mentioned gear to its shaft; a gear slidably keyed on the shaft on which the freely rotatable gear is mounted, and a companion gear fixed on the other shaft with which the slidably keyed gear may intermesh when moved axially toward the freely rotatable gear; a friction clutch for frictionally coupling said freely rotatable gear to its shaft; means on said



friction clutch reacting to an axial force applied to the slidably keyed gear for causing said friction clutch to seize prior to intermeshing of said slidable gear with its companion, said means for selective locking being independent of said clutch for frictionally coupling.

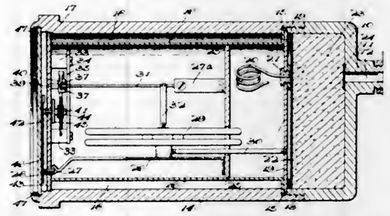
2,275,719

RATE OF CLIMB INDICATOR

James E. Bevins, Bronx, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 17, 1936, Serial No. 101,349

21 Claims. (Cl. 73—179)



20. In a device of the character described, the combination with a chamber enclosing a volume of air, and a differential pressure responsive member connected to respond to a difference in pressure between said chamber and the atmospheric air; of means providing a constricted passage between said chamber and the atmosphere, said means including a capillary constriction inherently producing an increase in resistance to flow therethrough in response to a change in density of the air, and means automatically responsive to a change in density of the air for producing a decrease in resistance of said passage in response to the same change in density, density being a function of temperature as well as absolute pressure.

2,275,720

SHOE OUTSOLE

George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts

Application January 3, 1941, Serial No. 373,018

3 Claims. (Cl. 36—30)

1. A shoe outsole comprising upper and lower layers of outsole stock, said upper layer comprising a light weight rubber composition including a high percentage of vegetable filler and said bottom layer consisting of a rubber composition having good wear resisting properties, means connecting the rearward end portions of said layers including an intermediate rubber composition sec-



tion substantially integral with the heel end of said bottom layer and cooperating with the latter to provide a thick wear resisting heel section, said means holding said layers so separated as to provide an open space in said outsole assembly and a covering for the edges of said layers closing the ends of said open space.

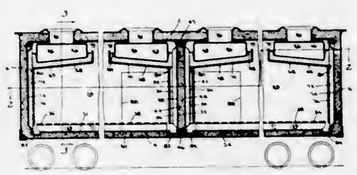
2,275,721

REFRIGERATOR CAR CONSTRUCTION

Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Devices Company, a corporation of Delaware

Application January 8, 1940, Serial No. 312,852

15 Claims. (Cl. 62—17)



3. In a refrigerator car having a roof, floor, spaced apart side walls and spaced apart end walls, a substantially vertical partition extending substantially between said side walls to divide said car into a pair of lading compartments, a doorway leading to each of said compartments, foraminous racks arranged to support the lading upon said floor and provide spaces therebetween, refrigerant containers below said roof, means cooperating with said roof and end walls to form enclosures for certain of said containers, other means cooperating with said roof and said partition to form enclosures for others of said containers, air inlet openings to said enclosures, and means cooperating with said partition and said end walls to form flues arranged to communicate between said enclosures and said spaces.

2,275,722

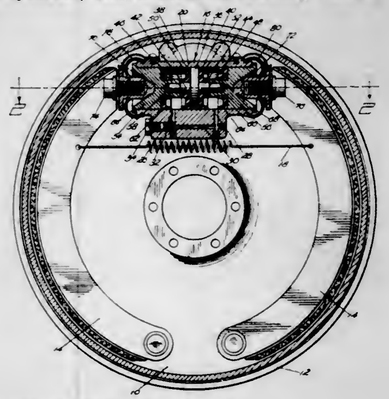
BRAKE

Myron W. Bowen, Niles, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Original application February 10, 1936, Serial No. 64,929, now Patent No. 2,195,558, dated April 2, 1940. Divided and this application December 1, 1939, Serial No. 307,178

11 Claims. (Cl. 60—54.6)

1. A duplex fluid pressure actuated motor for activating oppositely positioned elements, said motor including a cylinder, opposed pistons in the cylinder, and a member floating within the



cylinder between the pistons.

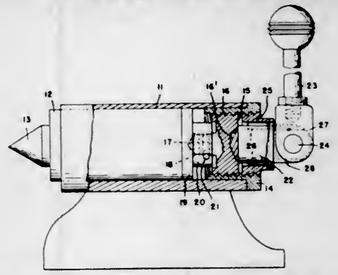
2,275,723

HEADSTOCK

Benjamin F. Bregi, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application May 6, 1940, Serial No. 333,648

17 Claims. (Cl. 82—31)



1. A quick-lock headstock comprising a housing; a center in said housing mounted for axial movement therein; shifting means for said center comprising a pair of cooperating members mounted for relative rotation and relative axial movement, said members having cooperating inclined surfaces effective on relative rotation to cause relative axial movement; one of said members being retained in said housing against axial movement, the other of said members being axially movable and connected to said center for shifting the same axially; one of said members being retained in said housing against rotation, the other of said members being rotatable and having an actuating lever carried thereby for rotating the same; and means operable by said actuating lever for locking said center in any position of axial adjustment.

2,275,724

GRAIN SEPARATING CHAFFER

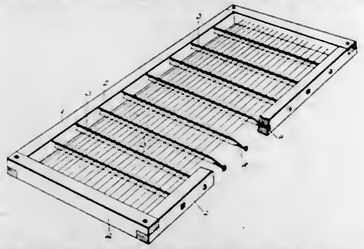
Claude M. Bremner, Regina, Saskatchewan, Canada, assignor of fifty percent to Andrew McLatchie, Tuberose, Saskatchewan, Canada

Application July 31, 1939, Serial No. 289,687

4 Claims. (Cl. 209—401)

4. A chaffing screen for use in combination with a grain threshing machine or combine com-

prising an oscillating rectangular frame and a plurality of wind stream deflectors spanning said frame, each of said wind stream deflectors having a shallow draught under-plate and a flat steep draught over-plate projecting upwardly beyond said under-plate, each of said under-plates and each of said over-plates being positioned at an



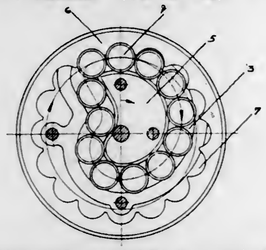
obtuse angle to the horizontal with respect to the source of said wind stream, said over-plate hooding said under-plate, the obtuse angulation of said under-plate being greater than the obtuse angulation of said over-plate, said plates converging downwardly to form an air stream cutting edge.

2,275,725

CONTINUOUSLY VARIABLE TRANSMISSION DEVICE

Harry William Broady, Pittsburgh, Pa.

Application June 12, 1940, Serial No. 340,013
7 Claims. (Cl. 74—64)



1. A continuously variable transmission having a driving member, a driven member provided with a closed groove, and an endless chain of loose inertia weights movable in said groove and guided by the same, said groove having a sectoral section where the weights come into contact with the driving member and are moved by the same, a section inclined towards the center of the driven member in such a way that the pressure from the weights on the outer wall of the last mentioned section, due to the centrifugal force, is in its direction offset relatively to the above center thereby creating a tortional moment which, when strong enough to overcome the resistance in the driven member, moves the latter whereby power flows from the driving member to said member and the parts connected to the same, and a section where the weights are free to move from their innermost to their outermost position closing the endless chain of loose weights.

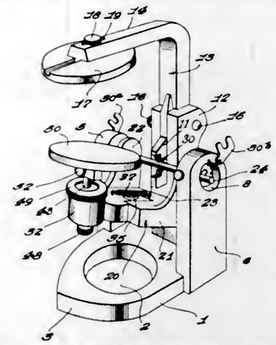
2,275,726

ARTICULATOR BALANCER

Early W. Burns and Andrew D. Hagan, Birmingham, Ala.

Application January 30, 1941, Serial No. 376,702
13 Claims. (Cl. 32—32)

13. An articulator balancer including a base, a standard mounted on the base and having an opening therein, the walls of which are tapered inwardly to form a pivot, an overhanging arm operatively connected with the standard, a maxillary holder carried by the arm, a horizontal mounting shaft having its intermediate portion



extending through said opening and engaging the pivot to permit vertical tilting movement of said shaft with respect to the standard, a frame mounted on the shaft and tiltable vertically with respect to the base, a mandible holder, and a ball and socket connection between the mandible holder and said frame.

2,275,727

PHOTOGRAPHIC EMULSION

Burt H. Carroll and Charles F. H. Allen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 29, 1940, Serial No. 321,592
17 Claims. (Cl. 95—7)

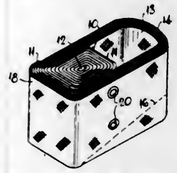
1. A photographic silver halide emulsion sensitized with a cationic surface active sulfonium salt.

2,275,728

PICKER

Latt J. Carter, Kannapolis, N. C., assignor to E. H. Jacobs Manufacturing Company, Charlotte, N. C., a corporation of Connecticut

Application January 10, 1941, Serial No. 373,921
1 Claim. (Cl. 139—159)



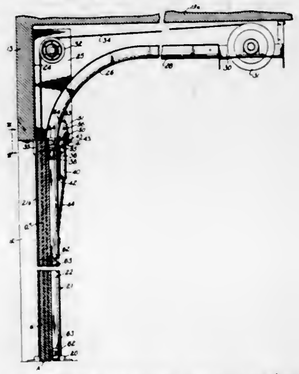
A loom picker having a head portion for receiving the nose of a shuttle and having a tail portion provided with a vertically disposed hole for reception of a picker stick, the entire head portion including the front surface which receives the impact of the nose of the shuttle being spirally wound from its center to its outer surface continuously in the same direction from a length of tape whose longitudinal axis is susbtantially parallel to the longitudinal axis of the picker stick hole, the axis of the spiral windings being substantially in the center of the head portion of the finished picker, the outer layers of the spirally wound head portions being elongated to provide the picker stick opening, and a pair of horizontally and transversely disposed rivets penetrating substantially all of the layers of the spiral windings of the head portion, including the outer layers and being disposed above and below the point of impact of the nose of the shuttle.

2,275,729

UPWARD ACTING DOOR AND REMOVABLE MULLION THEREFOR

Joseph E. Casse, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan

Application January 13, 1939, Serial No. 250,688
13 Claims. (Cl. 20—20)



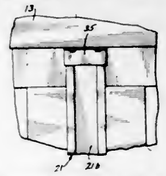
5. In an upward acting door construction for a doorway including a pair of spaced adjacent closures for movement into and out of said doorway, the improvement which comprises a mullion latching device, a removable mullion adapted to be seated on the bottom of the doorway and adapted to be tilted normally to the doorway into and out of the doorway, a fixed track construction at the top of the doorway, means on the top of said mullion engageable with said track construction, and a keeper having a surface parallel with the doorway for retaining said latching device, said latching device being operable to clear the keeper for releasing the mullion from fixed position in the doorway.

2,275,730

REMOVABLE MULLION

Joseph E. Casse, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan

Original application January 13, 1939, Serial No. 250,688. Divided and this application March 9, 1940, Serial No. 323,060
3 Claims. (Cl. 20—20)



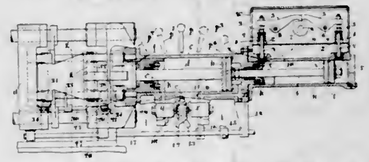
3. A mullion construction for spaced adjacent closure members comprising an elongated member, a web portion on said elongated member extending between said closure members, a transverse wall portion extending laterally from each side of said web portion for bridging the space between said closure members and having a longitudinal groove in the inner face thereof on each side of the web, and a weatherstrip snapped in each groove and having a projecting resilient portion for bridging and sealing the space between the transverse wall portion and the adjacent closure member.

2,275,731

PNEUMATICALLY OPERATED DIE-CASTING MACHINE

Leonard Arthur Catlin and Wilfred Henry Cockerill, West Bromwich, England, assignors to E. M. B. Company Limited, West Bromwich, England

Application June 22, 1940, Serial No. 341,978
In Great Britain September 1, 1939
5 Claims. (Cl. 22—92)



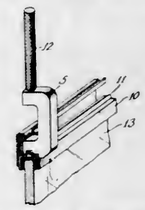
1. Controlling means for a die-casting machine, comprising the combination with a pneumatically operable and relatively slidable piston and cylinder for actuating the movable die head of the machine, and means operable by the attendant for controlling flow of air to and from the said cylinder, of a hydraulic locking device for interrupting the movement of and locking the die head in any desired position under the control of the attendant, and means responsive to the movement of the die head whereby the said device is brought into action automatically for locking the die head in at least one predetermined position.

2,275,732

GLASS REPLACEMENT TOOL

Loyde Chubb, Lansing, Mich., assignor to Sommer & Maca Glass Machinery Corporation, Chicago, Ill., a corporation of Illinois

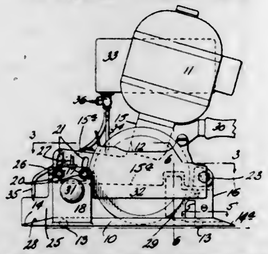
Original application January 28, 1938, Serial No. 187,384. Divided and this application April 3, 1941, Serial No. 386,648
1 Claim. (Cl. 29—84)



A tool for replacing a channel on a window glass comprising a U-shaped body member, the outer face of one wall of said U-shaped body member having a transverse groove therein, a shoulder on each side of said groove adapted to engage said channel during replacement thereof on a window glass with the groove receiving the bead of the channel, a further shoulder raised from one of said first mentioned shoulders to provide a guide for positioning said tool on said

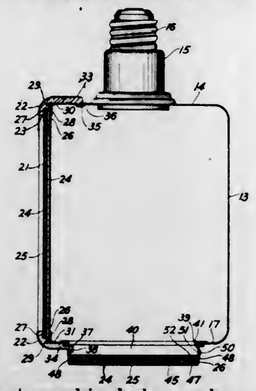
channel, and a handle extending laterally from the outer face of the opposite wall of said U-shaped body member.

2,275,733
CUTTING MACHINE
Frederick G. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application March 29, 1941, Serial No. 385,781
10 Claims. (Cl. 30—276)



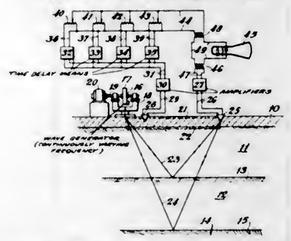
1. A machine for cutting sheet material comprising a base adapted to rest on a support beneath the material, a knife and a driving motor therefor, a frame on which said knife and motor are mounted above said base with the knife arranged to operate in a vertical plane, a rear standard rising from and rigid with the base adjacent the rear edge of the knife, a front standard rising from and rigid with the base in a position offset laterally a distance from the vertical plane of the knife, a front support projecting laterally from said front standard above the base toward the plane of the knife, said frame being secured to and supported by said rear standard and front support, and a cutting gage arranged at one side of the plane of the knife and adjustably secured to said front support for setting said gage at different distances from the plane of the knife.

2,275,734
PHOTOGRAPHIC DARKROOM LAMP
Theodore G. Clement, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 17, 1939, Serial No. 299,863
6 Claims. (Cl. 240—20)



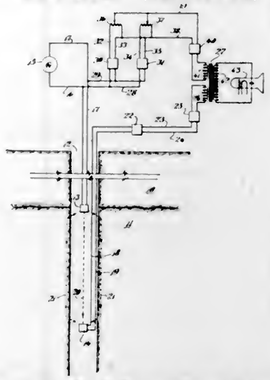
1. A photographic darkroom lamp comprising a casing in which a light source is positioned, said casing having a pair of openings formed in the walls thereof, frame members surrounding said openings and provided with suitable light filters adapted to close said openings, means for detachably securing said frame members in position on said casing, a portion formed from the material of one of the frame members and directly engaging a portion of the other frame member to lock the latter in position on the casing.

2,275,735
METHOD AND APPARATUS FOR DETERMINING DISTANCES OF ELASTIC DISCONTINUITIES
Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application June 23, 1939, Serial No. 280,790
10 Claims. (Cl. 181—0.5)



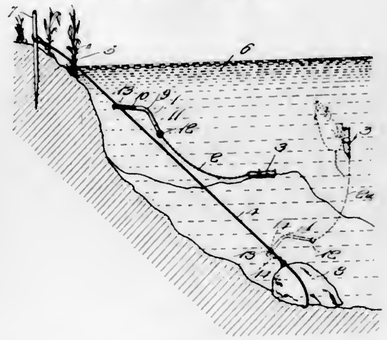
5. Apparatus for seismic surveying comprising means for generating continuous seismic waves in the earth having a continuously varying frequency, means for receiving reflected, refracted, and relatively direct seismic waves and transforming said waves into corresponding electrical variations, means for producing electrical waves corresponding to said generated seismic waves and means for modifying said electrical waves with respect to time and amplitude until said modified electrical waves are substantially the same as said electrical variations.

2,275,736
SEISMIC WAVE VELOCITY WELL LOGGING
Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application February 14, 1940, Serial No. 318,968
20 Claims. (Cl. 181—0.5)



1. In a method of determining the velocity of seismic waves through subterranean formations which comprises passing continuous seismic waves between a point in a bore hole traversing said formations and a point vertically spaced therefrom, whereby seismic waves travel between said points by at least two different paths, and generating electrical variations corresponding to the composite effect of at least said two seismic waves, the improvement which comprises substantially balancing out that portion of said electrical variations corresponding to seismic waves travelling at least one of said paths, and determining from the remaining portion of said electrical variations a function of the time of transit of the seismic waves along the other of said paths between said points.

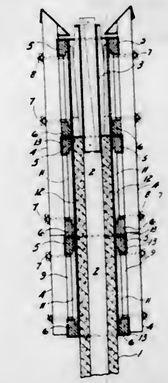
2,275,737
TRAP
Owen Dacey, Warroad, Minn.
Application December 14, 1940, Serial No. 370,199
1 Claim. (Cl. 43—96)



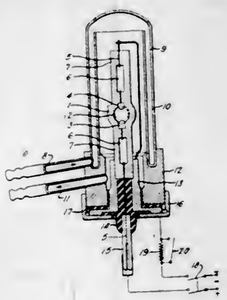
In a trapping apparatus including a line for extending diagonally downwards from the bank of a body of water, and a jaw trap having an anchoring chain; a slide member for connecting the chain with the line consisting of a strip of stiff metal bent midway its length to form a line engaging portion and a chain engaging portion, said portions being disposed at an angle greater than 45° and each portion being straight throughout its length, the line engaging portion being formed with a line receiving opening extending diagonally through the strip at an incline longitudinally of the strip in converging relation to the outer end of the chain engaging portion whereby the strip may slide freely along the line towards the lower end of the line but have biting engagement with the line when an attempt is made to shift the trap and the strip upwardly along the line.

2,275,738
FORM FOR MOLDING CONCRETE WALLS OR COLUMNS
Herbert Milton Dark, Durban, Natal Province, Union of South Africa
Application June 24, 1940, Serial No. 342,182
In the Union of South Africa July 1, 1939
5 Claims. (Cl. 25—131)

1. Apparatus of the character described, which consists of sections of shuttering composed of top and bottom horizontal braces connected at spaced intervals by means of fixed vertical framing posts, rebates provided in the inwardly facing edges of the braces, slats slidably located by their ends in said rebates and positioned intermediately of the framing posts, sheathing fixed to the braces and framing posts but not to the aforesaid slats which are thereby adjustable in a horizontal direction, and vertical bracing members detachably secured to the horizontal braces by means of hooked bolts the bent ends of which engage the aforementioned rebates.

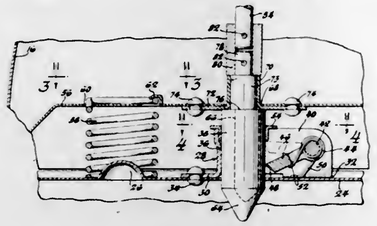


2,275,739
DISCHARGE DEVICE
Joseph Dellian, Berlin-Treptow, and Josef Kern, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York
Application May 21, 1940, Serial No. 336,452
In Germany March 20, 1939
10 Claims. (Cl. 176—182)



3. A vapor arc discharge device comprising a sealed envelope and designed for operation under artificial cooling conditions with an electrical energy input in excess of 500 watts per square centimeter of the inner surface of said envelope, said envelope being provided with spaced electrodes and having therein a sufficient quantity of vaporizable metal to produce a vapor pressure in excess of 5 atmospheres when partially vaporized, the heat dissipating capacity of said envelope being such that when the device is operated under the designed conditions the vapor pressure in the envelope is in excess of 5 atmospheres and a drop in the applied voltage is immediately followed by a drop of such magnitude in the vapor pressure and in the arc voltage that the device successfully operates without a series ballast on a fluctuating voltage.

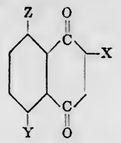
2,275,740
HOOD LATCH
Stephen De Orlow, Jackson, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 10, 1941, Serial No. 373,929
2 Claims. (Cl. 292—306)



1. A latch for a door of a hood or the like of an automotive vehicle comprising a bracket having means for mounting it on the hood and an upstanding portion, a pilot pin, means for turnably mounting said pin on said door, means for turning said pin, said upstanding portion of the bracket having an opening adapted to receive said pin and being formed with parallel spaced upstanding ears, and a rigid pawl pivotally mounted on and between said ears and having a sharp edge which is adapted to project into said opening, said pawl being biased so that said sharp edge constantly tends to project into said opening, said pin having a substantially smooth side wall portion for engagement by the sharp edge of said pawl when the pin is turned into its operative position for locking said door, said pin also having a recessed side portion arranged for mating with the sharp edge of said pawl so as to prevent engagement of the pin by said sharp edge when the pin is turned into its inoperative position to enable withdrawal of the pin from said opening, and the side wall of said opening opposite said pawl providing a firm lateral support for said pin when it is engaged by the sharp edge of said pawl.

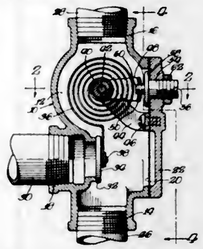
2,275,741
1,4-NAPHTHOQUINONE COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 9, 1939, Serial No. 308,457
7 Claims. (Cl. 260—345)

1. A 1,4-naphthoquinone compound having the general formula:



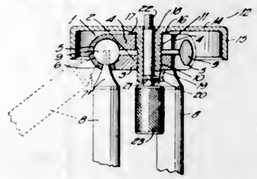
wherein X represents a furan amino radical and Y and Z each represents a member selected from the group consisting of a hydroxy group, a furan-, an alkyl-, a cycloalkyl-, an allyl-, an aralkyl-, an aryl- and a heterocyclic-amino group.

2,275,742
THERMOSTATIC CONTROL VALVE
Wendell M. Dillon, North Andover, Mass., assignor to Watts Regulator Company, Lawrence, Mass., a corporation of Massachusetts
Original application December 5, 1938, Serial No. 243,965. Divided and this application February 17, 1941, Serial No. 379,322.
4 Claims. (Cl. 236—12)



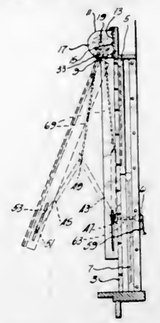
1. A valve device for controlling the convectional circulation of liquid in the absence of any other pressure flow therethrough including a valve body having a chamber therein, a normally closed supply opening, a valve for closing said opening and permanently open inlet and outlet openings having their sole communication with the supply opening within the valve body, a resilient temperature responsive element mounted in the chamber and attached to the valve providing the sole securing means for said valve and resiliently pressing the edges of said valve with a predetermined force toward a position closing the opening and permitting opening thereof by a pressure flow through said opening, said valve in the absence of pressure flow being adjustable to partial open position in response to the effect of temperature of fluid in said valve on said temperature responsive element, and adjusting means on said element having different positions of adjustment for one end of the coil simultaneously affecting both pressure of the valve against the port and the temperature adjustment.

2,275,743
CAMERA TRIPOD
Henry F. Dubas, Albany, N. Y.
Application December 13, 1938, Serial No. 245,446
5 Claims. (Cl. 248—188)



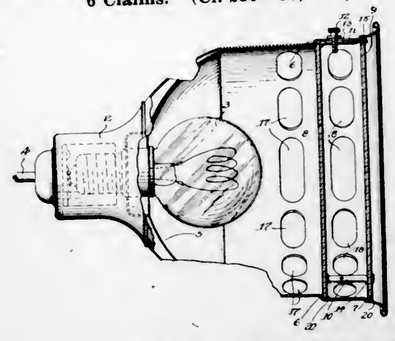
5. In a camera tripod, a tripod head comprising a plurality of pairs of jaws, the jaws of each pair being connected together at one end thereof but relatively movable at the other end, a plurality of tripod legs, and means engageable with said jaws and including screw-threaded means for simultaneously urging said jaws toward each other, the ends of said legs being disposed between the connected ends of said jaws and the zones thereof engaged by said means whereby the gripping force exerted by said jaws on said legs will greatly exceed the compressive force imparted to said jaws by said means.

2,275,744
METAL AWNING
Florian G. Dueweke, Detroit, Mich.
Application May 24, 1940, Serial No. 336,971
4 Claims. (Cl. 156—44)



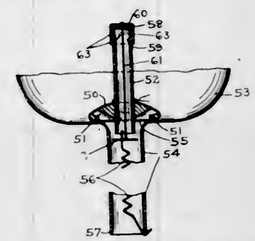
1. In combination in an awning, a roll, support means for rotatively journalling said roll, means for rotating said roll, a flexible shade connected to and adapted to be rolled upon said roll, side members pivoted at their upper ends adjacent the ends of the roll, said side members having opposed guide means forming tracks in which the opposite edges of the flexible shade are adapted to slide, and means connected to the shade for simultaneously inclining the side members to awning shade supporting position upon unreeling the flexible shade from the roll and sliding it in said tracks.

2,275,745
RADIANT ENERGY LAMP
James H. Eastman, Atlin, British Columbia, Canada
Application March 7, 1940, Serial No. 322,681
6 Claims. (Cl. 250—86)



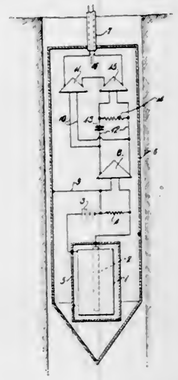
1. A radiant energy lamp for radiating penetrating visible red and short infra-red rays, comprising in combination, a light source, a reflector therefor, a substantially clear glass filter for filtering out non-penetrating relatively long wave length infra-red rays, a second filter spaced from the first filter and comprising a body of substantially clear glass having on a surface thereof a thin film of ruby glass, said second filter serving to filter out long wave length infra-red rays which may have their source at the first filter, and the ruby glass film serving to filter out rays in the visible band having wave lengths shorter than that of red rays.

2,275,746
BEVERAGE BREWER
Walter S. Edwards, New Haven, Conn., assignor to The Silex Company, Hartford, Conn.
Application March 30, 1939, Serial No. 264,928
2 Claims. (Cl. 53—3)



1. In a beverage brewer of the character described comprising an upper bowl, a lower bowl, and a hollow stem depending from said upper bowl, the combination of a unit comprising a tubular member extending from a point within said stem to a point above the normal level of ingredients in said upper bowl, a filter member surrounding said tubular member and closing the mouth of said stem, and a cap fitting over the top of said tubular member for closing the same to prevent downward passage of air therethrough; the said cap having openings in the surrounding wall thereof and fitting loosely over said tubular member whereby it will be lifted by upward pressure of liquid in said member and cause the said liquid to be sprayed radially from said member through said openings.

2,275,747
WELL SURVEY METHOD AND APPARATUS
Robert Earl Fearon, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application December 27, 1939, Serial No. 311,217
18 Claims. (Cl. 250—83.6)



1. In a method of geophysical exploration in which an ionization chamber is lowered into a drill hole to detect radioactive radiations which are indicated by time-lagging variations in the flow of electrical current therethrough, the steps of bringing a true indication of the current variations substantially free from time lag to recording equipment by taking from the ionization

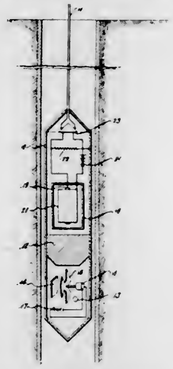
chamber circuit a voltage proportional to the flow of current through a resistance at least part of which is in that circuit; generating one current proportional to a time derivative of this voltage, generating a second current proportional to and having substantially the same time lag as the voltage itself, combining the two currents to produce a third current substantially free from time lag and conducting said third current to recording equipment.

2,275,748

WELL SURVEY METHOD AND APPARATUS

Robert Earl Fearon, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware

Application March 28, 1940, Serial No. 326,510
18 Claims. (Cl. 250—83.6)



1. An apparatus for geophysical prospecting that comprises a sealed casing adapted to be lowered into an opening in the earth, a source of alpha particles within said casing, a material within said casing that will emit neutrons upon being subjected to radiation with alpha particles, a shutter between said source of alpha particles and said neutron emitting material, means to drive said shutter so as to periodically interrupt the radiation of said neutron emitting material with alpha particles, an ionization chamber sensitive to gamma rays within said casing, a shield between said neutron emitting material and said ionization chamber, a source of potential and a resistor connected in series with the electrodes of said ionization chamber, an amplifier having its input connected across said resistor and means for conveying the output of said amplifier to the surface of the earth for recording.

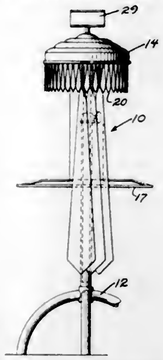
2,275,749

DISPLAY DEVICE FOR GARMENTS

Edward E. Fisher, Mountain View, Calif.

Application April 21, 1941, Serial No. 389,615
3 Claims. (Cl. 211—163)

1. A display device comprising an upright standard, a revoluble head member on the standard, a plurality of resilient clips arranged in a circle and secured to the head member and depending therefrom, said clips being substantially diamond shape in form with the minor axes thereof tangential to the periphery of the head with the resultant corners of adjacent clips being in yielding contact, a draping ring carried by the head member at a spaced distance below the clips and of a diameter larger



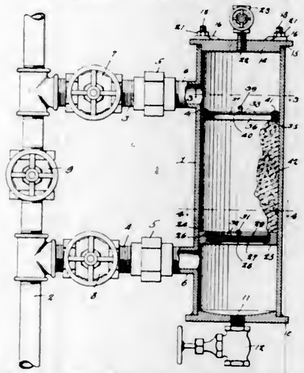
than the diameter of the circle on which said clips are arranged.

2,275,750

MULTIPURPOSE WATER DISTRIBUTION DEVICE

Leon A. Genetti and Andrew A. Drumm, Hazleton, Pa.

Application September 28, 1939, Serial No. 296,990
1 Claim. (Cl. 210—131)



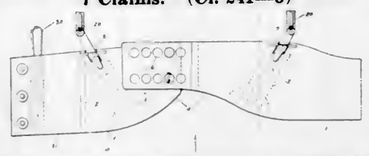
In a device for filtering water which flows through a conduit, washing a filtering instrumentality, and cleaning the conduit: a casing, a head supported on the upper end of the casing, a water supply pipe having branches communicating with the casing, adjacent to the upper and lower ends thereof, one-way valves in the branches, a one-way valve in the pipe and located between the branches, a drain communicating with the lower portion of the casing, a valve governing the drain, all of the valves being under the control of an operator, a lower seat fixed in the casing, a lower screen supported by the lower seat, an expansion ring within the lower seat and retaining the lower screen, an upper screen removably mounted in the casing, filtering material between the screens and constituting assisting means for holding the ring extended: means for securing the head to the casing removably and couplings in the branches, whereby the casing may be detached from the branches and inverted, to remove the filtering material and permit the substitution of a cleaning agent, an inlet for cleaning liquid, carried by the head, and a valve carried by the inlet and controlling the flow of cleaning liquid.

2,275,751

CONCEALED BELT FOR TROUSER SUPPORTS

Nathan Gold, Portland, Oreg.

Application July 29, 1940, Serial No. 348,134
7 Claims. (Cl. 241—8)



1. A concealed type trouser supporting belt of the character described comprising a belt member, means incorporated with said belt member to secure a snug coupling thereof around a wearer's body, said means comprising at least two strap members at each coupling point, independent engaging members for said straps, a plurality of springy stay members secured within the belt structure, said stay members having incorporated therewith springy trouser support members that are extensible above the top of the belt, means for relatively locking said stay portion and said trouser support portion together, and trouser clamp means at the termini of said trouser support members.

2,275,752

CYCLIC CONDENSATION PRODUCTS AND PROCESS OF MAKING SAME

Moses Wolf Goldberg, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application November 10, 1939, Serial No. 303,914. In Switzerland November 25, 1938
11 Claims. (Cl. 260—586)

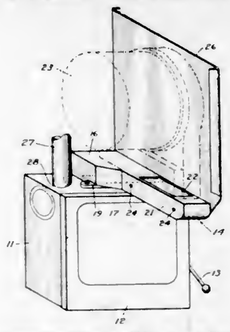
1. Process for the manufacture of cyclic condensation products, comprising condensing compounds which contain a system of conjugated multiple carbon linkages with a member of the group consisting of 1:2-diacyl-ethylenes and 1:2-diacyl-acetylene.

2,275,753

METER SUPPORT FOR ELECTRIC SERVICE EQUIPMENT

Conrad J. Grieder, San Francisco, Calif.

Application January 21, 1939, Serial No. 252,137
4 Claims. (Cl. 175—224)



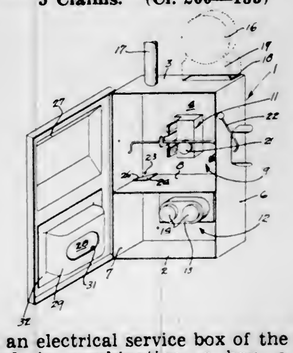
1. The combination with a switch box or the like, of a meter support attachment, comprising a hollow body, a head of said body having an aperture fitting over a hole in a wall of the switch box, a hollow stem extended from said head substantially at right angles to the axis of the hole in said wall and having an aperture fitting to the base of a usual meter said last aperture facing in a direction opposite to the direction of said first aperture, means to secure said head in place, means to hold a meter on said second aperture substantially parallel with the axis of said body, and means to interchangeably secure said holding means along either side of said second aperture to respectively face the meter in opposite directions.

2,275,754

ELECTRICAL SERVICE BOX

Conrad J. Grieder, San Francisco, Calif.

Application January 20, 1940, Serial No. 314,855
5 Claims. (Cl. 200—133)



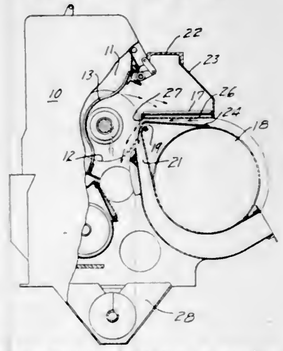
1. In an electrical service box of the character described, in combination, a box, a partition wall dividing the box transversely into two compartments, a switch in one compartment, fuses in the other compartment, the top end wall of the box at said switch compartment having an aperture for a direct meter support and connection and having a second aperture for a lead-in conduit for the feed lines, and said partition having an aperture for wires leading to said fuses, a door to cover said compartments of the box, and an auxiliary door on the main door for access to said fuses.

2,275,755

COTTON GIN

Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia

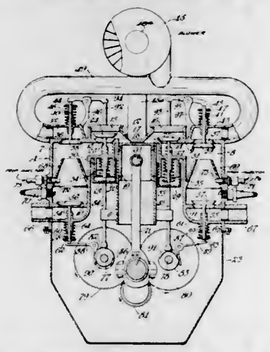
Application August 4, 1940, Serial No. 351,394
4 Claims. (Cl. 19—59)



1. A cotton gin embodying a mote conveyer

housing, an air blast nozzle, an air duct for supplying air to the air blast nozzle, a lint duct, an induced air nozzle defined between the bottom of the conveyer housing and the top of the air duct, and means at the inner end of the induced air nozzle for directing the air induced therein inwardly of the gin to divert foreign matter away from the lint duct.

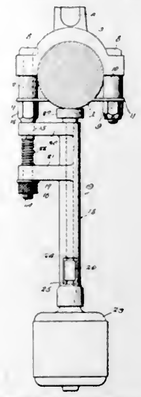
2,275,756
EXTERNAL COMBUSTION MOTOR
Glen N. Hanson, Minneapolis, Minn.
Application August 26, 1940, Serial No. 354,153
8 Claims. (Cl. 60—44)



6. In an external combustion engine, a cylinder, a piston working therein, two combustion chambers having communication with the head of said piston, means for charging each combustion chamber with fuel and air, means for exploding the charge in each combustion chamber, and means for exhausting the exploded gases from each chamber, timing of the explosion of the charges in the two chambers being such that on successive up strokes of the piston charges in the two combustion chambers will alternately be exploded, a valve arranged between each combustion chamber and the head of said cylinder controlling communication between the same, and means for operating said valves in such manner that the respective valves for the two combustion chambers are open as the charge in the respective combustion chambers are fired and are also open to permit the reception of the products of combustion from the exploded charge found in the cylinder to permit travel of the exploded products of combustion into the chamber which has not fired on the up stroke of the piston following the power stroke created by the firing of the charge in the other combustion chamber and means for successively operating said charging means, said exploding means and said exhausting means for each chamber in timed sequence, each valve remaining open during the major part of one up stroke and the following down stroke and remaining closed during the major part of the next up stroke and the next following down stroke and one valve being open while the other is closed.

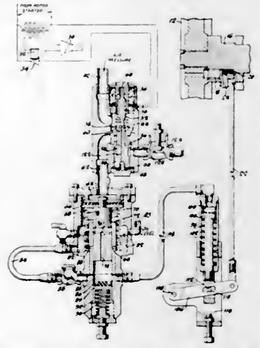
2,275,757
CRANKPIN GRINDER
Edward S. Hanson, Jr., Zion, Ill.
Application June 9, 1941, Serial No. 397,295
5 Claims. (Cl. 51—241)

1. A crank pin grinder comprising an engine cylinder, a piston slidably mounted in the cylinder, a pitman pivoted to the piston and provided with a fixed bearing shaped to receive a crank pin, a bolt carried by the fixed bearing and forming part of means for assembling a complemental, removable bearing assembled



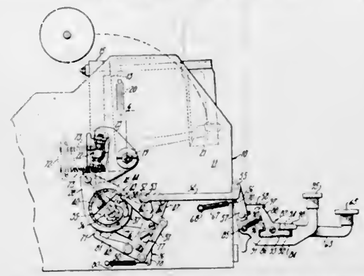
with the fixed bearing and with a crank pin, a nut threaded on the bolt and having a spindle, a frame mounted on the spindle, and grinding mechanism carried by the frame and so located as to engage a crank pin mounted in the bearings.

2,275,758
CONTROL MECHANISM FOR PRESSES
Marcus R. Harris, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1940, Serial No. 340,643
5 Claims. (Cl. 192—82)



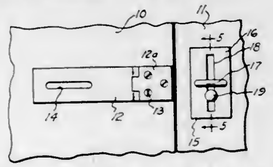
1. In a press control; a clutch and means for actuating and controlling the clutch comprising, a solenoid actuated plunger, a plurality of spaced contacts for completing an electric circuit to cause energization of the solenoid, an air pressure supply, an air actuated piston, valve means actuated upon movement of the solenoid actuated plunger for permitting air under pressure to move said air actuated piston, spring means for returning the piston to its original position when the air pressure is relieved, an oil chamber, a second plunger fixed to the piston and moved thereby for building up hydraulic pressure in said oil chamber, a piston having a fixed stroke actuated by pressure built up in said oil chamber by movement of the second plunger, a trip rod moved by the last mentioned piston for causing clutch engagement, means to relieve thereafter the pressure in said oil chamber, and spring means to return the last mentioned piston to its original position upon the fall of pressure in said oil chamber.

2,275,759
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 22, 1939, Serial No. 280,544
5 Claims. (Cl. 197—74)



1. In a typewriter, a case-shift device comprising, a part to be shifted, continuously rotating means including a toothed clutch element, cam means normally quiescent and including a companion clutch element, means connecting the cam means and the part to be shifted having provision whereby rotation of said cam means causes a reciprocatory movement of the said part, and means for controlling the rotation of the cam means having provision for engaging said clutch elements, breaking the engagement upon partial rotation of the cam means, reestablishing the engagement for continued rotation of the cam means and rebreaking the engagement when full rotation has been effected.

2,275,760
HASP AND STAPLE FASTENER
Ralph R. Hoffman, Dallas, Tex.
Application September 25, 1939, Serial No. 296,385
7 Claims. (Cl. 292—281)



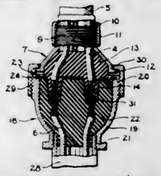
1. A fastener for a door including, a hinged hasp element having a slot therein mounted on the door at the edge portion thereof, a staple element having a loop thereon mounted on a support adjacent the edge of the door when the door is in its closed position, the loop of said staple element being arranged to project through the slot in the hasp element when the latter is swung thereover, one of said elements having a vertical slot therein, a headed bolt extending through said slot and also through the support on which the element is mounted, the bolt and slot permitting vertical adjustment of the element, and a nut on the outer end of the bolt for tightening the bolt head against the element to frictionally lock the same in position on its support.

2,275,761
SHIPPING CONTAINER
Alfred A. Hoffmann, Rochester, N. Y.
Application December 7, 1939, Serial No. 307,999
4 Claims. (Cl. 206—41)



1. A shipping container comprising a pair of shells adapted to form a hollow receptacle between them with a single opening leading thereinto, and a flexible label movable thru said opening with a portion of one end completely surrounding and fixedly attached to the article to be shipped in the container and the remainder of the label projecting from said opening and adapted to be drawn taut and fastened around the outside of the shells to lock said shells together while holding the article independently and fixedly in place within said shells adjacent said single opening.

2,275,762
ELECTRICAL CONNECTING MEANS
Roger F. Horton, Hempstead, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 20, 1939, Serial No. 268,884
5 Claims. (Cl. 173—328)

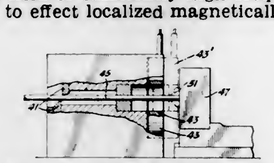


2. A radio shielded connector comprising a block of insulating material having a plurality of cone-like, non-concentric projecting members formed thereon, a plurality of conductors imbedded in and extending through said block, each of said conductors having a terminal in the wall of one of said members, a block of insulating material having recesses formed therein for receiving said members, one of said blocks being formed of resilient material and the other of rigid material, a plurality of conductors imbedded in and extending through said last-named block, each of said conductors having a terminal in the wall of one of said recesses, and means engaging said blocks for forcing said members into said recesses to effect an electrical connection between said conductors.

2,275,763
PROCESS OF MAKING VALVES
Harold F. Howard and William Richards, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1938, Serial No. 233,832
3 Claims. (Cl. 219—3)

1. The continuous process of making one-piece poppet valves or the like from rod stock, compris-

ing: cutting said stock into sections each having an extent equal to the desired length of the valve stem plus an integral blanking portion of sufficient mass for formation into the valve head, exclusively subjecting said blanking portion of each rod section to a sharply-defined alternating magnetic field of sufficiently high frequency and intensity to effect localized magnetically-induced



heating of the entire mass of said blanking portion to forging temperature within a time period so short as to preclude appreciable heating of the adjoining valve stem portion by conduction, and immediately upsetting said blanking portion of the rod section into valve-head form before appreciable reduction of its heat through conduction to the adjoining stem-constituting portion of the rod.

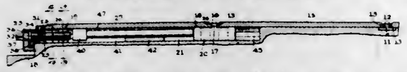
2,275,764

PRINTING PLATE LOCKING DEVICE

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., New York, N. Y., a corporation of New York

Application October 15, 1940, Serial No. 361,313

10 Claims. (Cl. 101—378)



1. As an article of manufacture, a printing plate locking clip, including a body adapted to slide in a groove, a clip ring carried by the body and adapted to urge a plate in a direction towards the body, and separate plate-supporting blocks carried by the body and slidable therewith and movable relative to the body along said direction, the height of each block being greater than the thickness of the adjacent portion of the body.

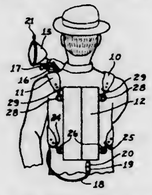
2,275,765

PORTABLE LIGHT

Robert H. Hummert and Carl W. Nixon, Dayton, Ohio, assignors to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application August 9, 1939, Serial No. 289,096

2 Claims. (Cl. 240—59)



1. A portable lighting apparatus comprising two carrying straps adapted to extend over both of the shoulders of a person, a lamp detachably carried by one of said straps, a battery case formed of flexible material and carried by said straps so as to be worn on the back of a person, said case having a comparatively small thickness as compared to its length and width and providing a pair of vertically extending parallel flat pockets for positioning side by side on the back of the person, said pockets being flexible throughout their vertical extent and flexible with respect to one another and each having such length as to extend from a point back of the shoulder of a person to a point adjacent his waist, a single row of dry cells enclosed in each of said pockets, said cells being arranged all in a single common plane, connections between said cells affording relative movement of the cells in the case, and a connection lead independently of said carrying straps and extending from said cells to the lamp.

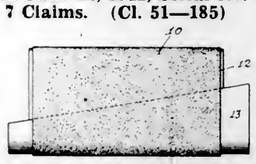
2,275,766

ABRASIVE TOOL

Alfred K. Johnson, Chicago, Ill.

Application June 12, 1941, Serial No. 397,673

7 Claims. (Cl. 51—185)



1. An abrasive tool comprising a flexible tubular abrasive member; and cooperating wedges insertable therein to stretch the same.

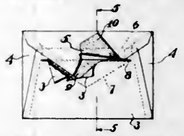
2,275,767

ENVELOPE

Milton Kahn, Long Island City, N. Y., assignor to Novelart Mfg. Co., New York, N. Y., a firm

Application August 11, 1938, Serial No. 224,311

3 Claims. (Cl. 229—82)



1. A dry adhering envelope having the combination of a front wall, a rear wall, a closing flap forming part of said front wall folding over said rear wall, said rear wall having a slot, said rear wall having a tab integral therewith and projecting therefrom beyond its topmost confine, said tab being folded to lie against the undersurface of said rear wall and having a dry adhering coat facing said undersurface, the undersurface of said flap having a dry adhering coat, and said flap being adapted to pass its leading portion through said slot to bring its coat into registry with the coat of said tab.

2,275,768

ELECTRIC LAMP

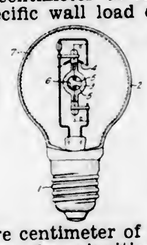
Josef Kern and Hermann Krefft, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York

Application November 12, 1940, Serial No. 365,344

In Germany June 17, 1939

4 Claims. (Cl. 176—1)

4. An electric lamp unit comprising in combination, an ohmic ballast resistance means and a gaseous electric discharge lamp device connected in series therewith, said resistance means constituting the sole ballast for said device said discharge device having a vitreous container providing a spherical discharge chamber not more than 15 mm. in diameter, spaced, cooperating electrodes sealed into said container and separated a distance of less than 5 mm., a starting gas and a quantity of vaporizable metal in said container, said discharge device being capable of operating with a vapor pressure of at least 25 atmospheres, a specific current load of more than 200 watts per centimeter of length of the arc path and a specific wall load of more than 20



watts per square centimeter of the inner surface of the container, the reignition voltage of said discharge device being so low that the device is successfully operated even when the operating voltage thereof is more than 55 per cent of the voltage applied to said lamp unit when said device is at operating equilibrium.

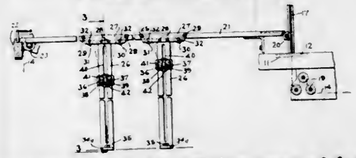
2,275,769

MACHINE FOR AFFIXING SLIDE FASTENER ELEMENTS TO TAPES

Max Kiessling, Waterbury, Conn.

Application July 3, 1939, Serial No. 282,747

3 Claims. (Cl. 153—1)



1. In a machine for affixing rows of fastener elements upon a tape, a guide bar over which said tape travels, means to feed said tape to one end of said bar, means to take up said tape at the other end of said bar, element attaching means adjacent said feed means, element operated means adjacent said take up means to control the attachment of said fastener elements to said tape, and means intermediate said feed means and said control means to continuously pass said tape away from said bar in a loop and then return it back to said bar, whereby a longer row of elements may be attached to said tape between said feed means and said control means than would otherwise be possible.

2,275,770

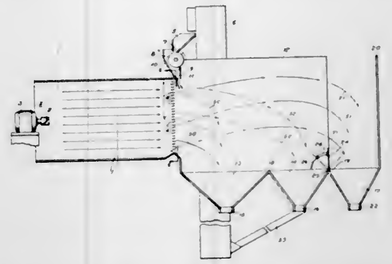
RAISIN CLEANING APPARATUS

Louis Kilner, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California

Application August 9, 1937, Serial No. 158,192

2 Claims. (Cl. 209—135)

1. In a raisin cleaner of the character described, an elongated, horizontally extending, open-ended air tunnel, an elongated channel at one open end of said tunnel in longitudinal extension of the lateral side walls and bottom of said tunnel, the upper side of said channel being open and an end wall at the end of said channel remote from said tunnel, said end wall being spaced from the adjacent end edges of the lateral side walls of said channel providing laterally outwardly opening air outlets for air between said end wall and said edges, a fan in said tunnel at the end thereof remote from said channel for blowing air through said tunnel and into said channel for exit from the latter through the upper open side thereof and through said outlets, means for dropping raisins and lighter material used therewith by gravity across the path of said air at a point adjacent the juncture between said tunnel and said channel, and a plu-



rality of air deflecting louvers in said tunnel in advance of said point and positioned across said path, said louvers being arranged to deflect at least some of the air in said path in an upward direction as it crosses said point for carrying lighter material mixed with said raisins upwardly toward the open side of said channel and toward said end wall for separation from the heavier raisins.

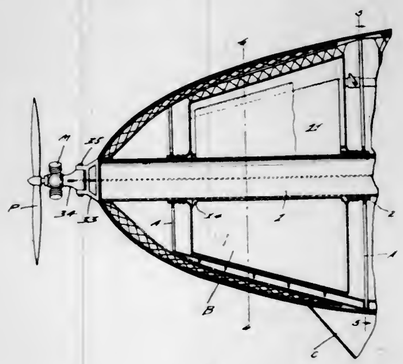
2,275,771

POWER DRIVEN BALLOON

Guy John Kimbel, Clinton, Ill.

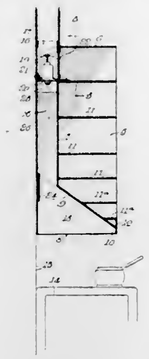
Application August 14, 1940, Serial No. 352,620

4 Claims. (Cl. 244—125)



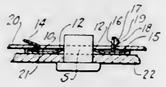
1. In a lighter than air airship, a longitudinally extending centrally arranged cylindrical member forming a tank for gas, a gas bag of substantially cylindrical shape surrounding the tank, valve control means for communicating the bag with the tank, pump means for pumping the gas from the bag to the tank and a reinforcing sheet having its central part passing around the lower portion of the tank with the remaining portions extending upwardly and outwardly and having their upper edges connected with upper portions of the bag.

2,275,772
KITCHEN WALL CABINET
Leroy J. Koch, New Port Richey, Fla.
Application June 26, 1940, Serial No. 342,557
2 Claims. (Cl. 126—299)



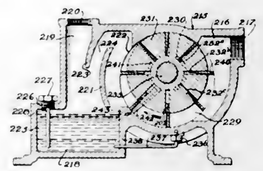
1. A kitchen wall cabinet comprising parallel vertical side walls extending inwardly from a wall of the kitchen and spaced above a stove, a top also extending inwardly from said kitchen wall and secured to the upper ends of said side walls, a back wall spaced forwardly from the rear edges of said side walls and thus spaced inwardly from said kitchen wall, said back wall extending from one of said side walls to the other and being secured thereto, said back wall extending upwardly to and being secured to said top and having its lower end spaced above the lower ends of said side walls, the space behind said back wall being unobstructed from one of said side walls to the other and constituting a ventilation passage extending throughout the width of the cabinet, a cabinet bottom secured to said lower end of said back wall and declined forwardly therefrom substantially to the lower front corners of said side walls, the ends of said forwardly declined cabinet bottom being secured to said side walls, the lower end of the cabinet below said forwardly declined cabinet bottom being entirely open and spaced in its entirety above the stove, whereby said forwardly declined bottom and the lower ends of said side walls may cooperate in directing ascending hot air into said ventilation passage, shelves secured to said back wall to absorb heat therefrom, and a hot air outlet from the upper end of the aforesaid ventilation passage.

2,275,773
FASTENING DEVICE
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1939, Serial No. 264,957
5 Claims. (Cl. 85—36)



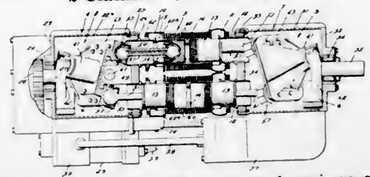
2. A fastener adapted to be mounted on an apertured panel, comprising a flat sheet metal body adapted to lie in close juxtaposition to one side of the panel, attaching means deformed from the outer side of said body, an integral finger on the body adapted to extend into said aperture to engage the inner side of the panel, and means spaced from said finger adapted to have snap engagement with an edge of said aperture, said means including a cam surface adapted to impose a flexing action on associated parts when forced into engagement with an edge of the aperture after said hook is first engaged, and a second cam surface contiguous to said first cam surface arranged to grip the inner edge of the panel aperture and cooperate with said hook in securing the body intimately in substantially flat manner against the panel.

2,275,774
COMPRESSION OR VACUUM MACHINE
Frederick Kraissl, Jr., North Hackensack, N. J.
Application January 11, 1939, Serial No. 250,281
2 Claims. (Cl. 230—207)



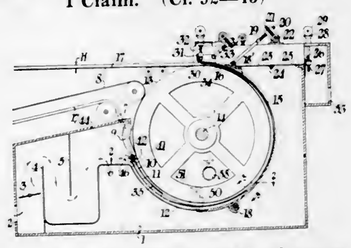
1. In a rotary air pump in combination, a pump body having a cylindrical bore and inlet and outlet ports formed therein, inlet and outlet passages formed in said body, a cavity formed in said body to one side of said bore, said cavity being in open communication with said outlet passage and having its lower portion forming an oil sump, an upper portion of said cavity forming a pocket adjacent to the discharge end of said outlet port, a curved baffle in said cavity having its upper end terminating in and sufficiently spaced apart from the upper end of said pocket to prevent the discharged air from being restricted, the lower end of said baffle terminating in spaced relation to the surface of a normal level of oil in said sump, a slotted rotor in said bore carrying blades reciprocating in said slots and moving in suction and compression zones in said pump, said blades moving away from the bottoms of said slots when in said suction zone and moving towards the bottom of said slots when in said compression zone, means including ducts communicating with the bottoms of all of those of said slots in the suction zone and connected to receive oil from said sump, whereby said oil is supplied to the slots behind the blades in said suction zone, means including ducts connected to the bottoms of all of those of said slots in said compression zone for lubricating at least some of the moving parts of said pump due to the compressing action of the blades descending toward the bottoms of said slots during the entire time said blades are moving in said compression zone, and means whereby said oil after lubricating the parts as aforesaid passes with the compressed air via said discharge port to said pocket, said air being unrestrictedly divided into two streams by said curved baffle, permitting the oil to impinge gently upon both sides of said baffle to facilitate the separation of the oil from said air.

2,275,775
INTERNAL COMBUSTION ENGINE
Olan A. Kunz, Santa Rosa, Calif.
Application February 12, 1941, Serial No. 378,625
2 Claims. (Cl. 123—51)



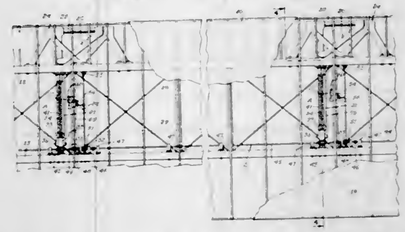
2. In an engine, a pair of spaced casings each including inner and outer end plates, the space between the casings being open, a shaft having a straight central portion passing through the center of the space and through the inner end members of the casings, a group of cylinders surrounding the shaft and parallel thereto and having their ends extending through the inner end plates, a pair of pistons in each cylinder, rods connected with the pistons and extending into the casings, the central portion of the shaft having short straight portions at its ends located in the casings and oblique portions extending from the short portions located in the casings, an arm connected at one end to the outer end of each oblique portion, the arm extending at substantially right angles and having a trunnion intermediate its ends journaled in the outer end wall of the casing, a sleeve rotatably arranged on each oblique portion, a plate connected to the inner end of each sleeve and extending at right angles therefrom, socket forming members at the corners of each plate and the outer ends of the piston rods having spherical members thereon fitting in the sockets of said members, a ring-shaped plate in each casing and surrounding a part of the shaft which is located in the casing, a pair of oppositely arranged trunnions on the ring-shaped plate, bearings carried by the right angular plate receiving said trunnions, arms extending inwardly into each casing from the inner end plate and having bearings at their free ends and a second pair of trunnions on the ring-shaped plate and arranged at right angles to the first pair, said second pair fitting in the bearings of the arms and bolts paralleling the central portion of the shaft and having their ends connected with the inner end members of the casing.

2,275,776
METHOD OF MAKING PAPER
Gerould T. Lane and Wendell Butterfield, Rochester, N. Y., assignors to Eastman Kodak Company, a corporation of New Jersey
Original application May 18, 1937, Serial No. 143,336. Divided and this application January 22, 1938, Serial No. 186,408
1 Claim. (Cl. 92—43)



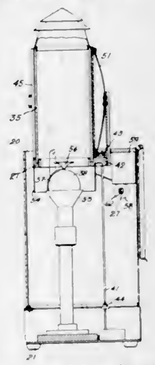
A method of forming a sheet of paper with moisture containing stuff which comprises dividing a viscous flow of stuff into a plurality of confined shallow streams, each of which is subdivided into a plurality of streams of less width than the sheet to be formed, and flowing all of the confined streams at the same speed toward a support, and gradually bringing one series of shallow streams after another into contact with a support while drawing moisture therefrom.

2,275,777
HEAVIER-THAN-AIR CRAFT
George M. B. Lane, Los Angeles, and Bezant K. Bird, Inglewood, Calif.
Application May 8, 1939, Serial No. 272,320
4 Claims. (Cl. 244—43)



1. In an aircraft, a main wing having a recess in a lifting surface thereof; an auxiliary wing; pairs of links pivotally connected to the main and auxiliary wings to mount the latter for movement from an inactive position in said recess, to an active position spaced from the main wing at a predetermined angle of attack; actuating links connected to the auxiliary wing; feed members mounted for reciprocating movement and operatively connected to the actuating links for movement of the auxiliary wing thereby as aforestated; means for reciprocating the feed members; latches co-acting with the auxiliary wing to releasably retain the latter in inactive position; and means co-acting with said last means and said latches to release the latter from the auxiliary wing automatically in response to the initiating of an adjustment of the auxiliary wing from inactive position.

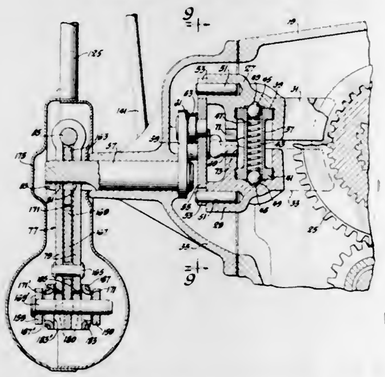
2,275,778
COPYING MACHINE
Meyran A. Lotz, Mount Vernon, N. Y.
Application May 2, 1939, Serial No. 271,245
7 Claims. (Cl. 95—77.5)



1. In a copying machine, in combination, a cas-
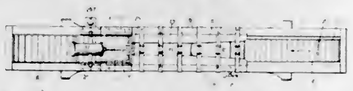
ing, vertical guide members in said casing, a movable carriage slidable on said guide members and adapted to descend along the same by gravity, a transparent cylinder on said carriage, means to clamp a copy sheet and a sensitized sheet on the periphery of said cylinder, a light source in said casing and co-axial with said cylinder, means to elevate said carriage and cylinder above the level of said light source, and means to govern the speed of descent of said carriage and cylinder along said guides to a level below the level of said light source.

2,275,779
GEARSHIFT CONTROL
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1939, Serial No. 274,141
5 Claims. (Cl. 74—477)



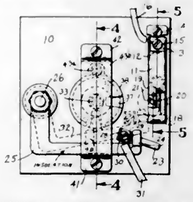
1. In a ratio changing mechanism, a housing, a longitudinally extending guide with upper and lower flanges, each with extensions on opposite sides of the vertical plane of the guide, vertically spaced shifting members each embracing the two extensions of one of said flanges and slidable relative thereto, said shifting members carrying projecting arms to engage slidable members of said transmission.

2,275,780
MACHINE AND METHOD OF FORMING MEAT
Frank P. Maloney, Fort Worth, Tex.
Application October 3, 1938, Serial No. 232,971
13 Claims. (Cl. 100—57)



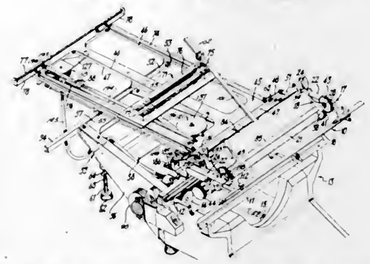
1. In an apparatus for extruding meat slabs, in combination, conveyor means for moving meat slabs progressively in a series, an extrusion chamber arranged over said conveyor means, side guide means forming side walls of said chamber, said side guide means being variable to give a predetermined width to said meat slabs, pressure shoes forming the top of said chamber, said pressure shoes being variable in width to fit variations in the width of the side walls of said chamber, and means associated with said conveyor means for positively forcing said meat slabs through said extrusion chamber.

2,275,781
COMBINATION IGNITION SWITCH LOCK
Nicholas Mangini, Waterbury, Conn.
Application July 17, 1941, Serial No. 402,881
8 Claims. (Cl. 200—43)



2. In an ignition switch lock, a switch comprising a stationary contact member and a spring-pressed movable contact member pivoted thereto, a pull button connected to said movable contact member, an insulation lever carrying a metallic contact pin movable into engagement with the contacts of said switch, a twistable knob connected to said lever, said lever carrying a side extension, a pair of rotatable plates having slots normally out of alignment with said extension to obstruct the movement of said lever into switch closing position, and means for twisting said plates to bring said slots into alignment with said extension to permit manual twisting of said knob and swinging of said lever into switch-closing position.

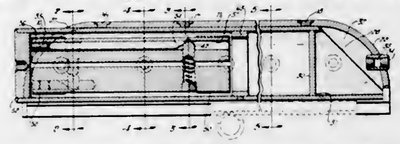
2,275,782
TYPEWRITING MACHINE
Miles H. Mann, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 27, 1940, Serial No. 371,939
27 Claims. (Cl. 197—126)



24. In a writing machine having a carriage movable on a frame in letter-feed and return directions, and a platen on said carriage, relative to which carbon sheets on the carriage are advanceable and retractable; normally ineffective power retracting means for said carbons, including a stationarily located electric motor, and means operatable by said motor to retract said carbons in any position of the carriage; and means to render said power retracting means effective.

2,275,783
OVERARM STRUCTURE
Mario E. Martellotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application June 28, 1940, Serial No. 343,019
12 Claims. (Cl. 90—20.5)

1. In an overarm structure for milling machines and the like, the combination of an elongated tubular member, a shroud integrally attached tangentially to the top of said member and enveloping said member to form separate chambers on opposite sides thereof, guideways



formed longitudinally of the overarm for adjustable mounting on a machine and a non-resilient material packed in said chambers to dampen vibration of the overarm.

2,275,784
PRODUCTION OF CORRECTIVE NUTRIMENT
Siegfried Maurer and Harold Oliver Wiles, Chicago, Ill., assignors to Armour and Company, a corporation of Illinois
No Drawing. Application October 27, 1938, Serial No. 237,318
2 Claims. (Cl. 167—74)

1. The method of producing a mammalian liver derivative containing an anti-menorrhagic fraction, which comprises subjecting mammalian livers to extraction to produce a solution of saponifiable and unsaponifiable fat-soluble substances, subjecting the solution to hot saponification with an alkali, separating the unsaponifiable residue, and subjecting the unsaponifiable residue to a crystallization step to remove cholesterol.

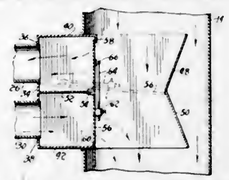
2,275,785
MOLD
Russell Hudson McCarroll and Edgar Claude Jeter, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,124
6 Claims. (Cl. 22—188)

1. In a mold for forming articles from molten metal, said mold being formed of alloy steel showing a composition comprising:

	Percent
Molybdenum	3.00–3.50
Carbon	.05– .25
Manganese	.25– .45

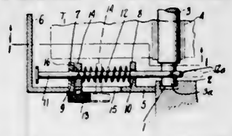
and the balance iron with the normal impurities and deoxidizers.

2,275,786
AIR VALVE
Charles W. McQuaid, Des Moines, Iowa
Application December 11, 1939, Serial No. 308,682
6 Claims. (Cl. 251—126)



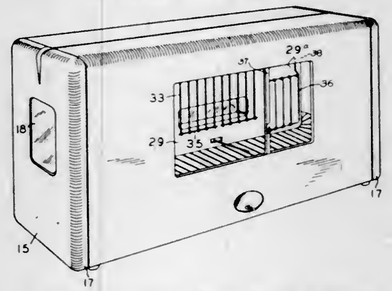
1. In a damper valve, a valve plate, a pivot mounting for said plate, a member hingedly connected with the portion of said plate which normally lies above the axis of said pivot, and a weight on said member at a distance from the point of said hinged connection greater than the distance from said point of hinged connection to said axis, whereby when said plate is rotated one way from a vertical plane through the axis of the pivot, said weight rests upon the portion of said plate below said axis, and when said plate is rotated the other way from said plane, said member and said weight depend freely from said hinged connection.

2,275,787
PROTECTIVE SHIELD
William Medoff, Brooklyn, N. Y.
Application April 1, 1940, Serial No. 327,371
2 Claims. (Cl. 242—55.2)



2. A device of the character described comprising a front wall and side walls, each side wall having a pair of inwardly projecting arms, said arms having aligned holes formed therein, a gripping member terminating in a hook-shaped portion slidably engaged by said arms and passing through the said holes, a compression spring positioned on said gripping member between said arms, the side walls having slots formed therein between the said arms and adjacent the gripping member, knobs secured to said gripping members, said knobs passing through the said slots.

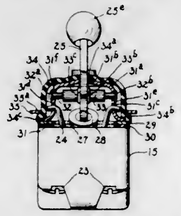
2,275,788
STERILIZER
David A. Meeker and De Loss D. Wallace, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 1, 1939, Serial No. 254,004
20 Claims. (Cl. 250—52)



1. A sterilizer of the character described comprising an enclosing casing of substantially greater length than depth adapted to be received upon a counter or the like, a conveyor in said casing traversing a path in a substantially horizontal plane longitudinally along one side thereof and in the reverse direction along the opposite side thereof, said casing having an aperture formed in one of the long side walls thereof for receiving articles to be sterilized and for discharging the articles after sterilization in positions adjacent each other on the same side of said casing, means within the casing on the long side opposite said aperture for subjecting the articles to the action of sterilizing rays of light while on said conveyor, and means within the casing interposed between said apertures and said last named means and

spaced rearwardly from said aperture for preventing the escape of injurious light rays from said aperture while providing for the insertion of articles upon and removal thereof from said conveyor in front of said preventing means and through said aperture.

2,275,789
ELECTRIC SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 18, 1940, Serial No. 366,105
8 Claims. (Cl. 200—172)



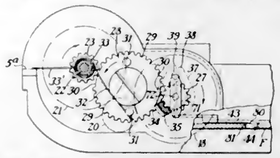
1. In an electric switch of the tool-handle type, in combination, a punched and stamped sheet metal top plate having a flat peripheral flange and a substantially centrally located dome-shaped portion extending upwardly from said flange, said dome-shaped portion having a relatively narrow opening formed in the upper end thereof, a flat punched sheet metal lever having an intermediate portion located within said opening and oscillatable with respect thereto, said lever having an opening of polygonal contour formed therein, a tubular metal member having an intermediate portion of a contour closely corresponding to said opening and slidably insertable thereinto, the material of said intermediate portion of the tubular member being upset against opposite sides of said lever to retain said parts in assembled relation, said dome-shaped portion having alined openings formed in opposite side walls thereof, and a pin freely penetrating said openings and said tubular member to provide a pivotal support for the latter.

2,275,790
ALDEHYDES OF THE SATURATED AND UNSATURATED PREGNANE-SERIES AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Werner Fischer, Caesar Scholz, and Albert Wettstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application June 27, 1939, Serial No. 281,488. In Switzerland July 1, 1938
8 Claims. (Cl. 260—397.4)

8. The saturated and unsaturated pregnane-17-ol-21-als.

2,275,791
DOUBLE EXPOSURE PREVENTION
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 12, 1940, Serial No. 323,603
10 Claims. (Cl. 95—31)

1. In a camera including an exposure frame, spool chambers to each side thereof, the combination with a film winding shaft, of a shutter winding shaft, a winding handle, movable connections between the two shafts and the winding handle for simultaneously winding film and setting the shutter, a film measuring device comprising a pivoted arm, a lug on the arm adapted to engage a film aperture, a spring tending to move the lug toward the film aperture and into engagement therewith, means for releasing the

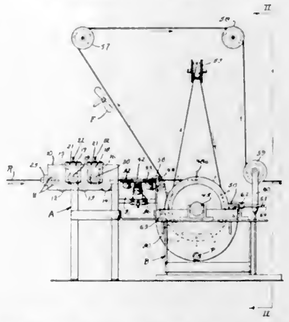


lug from the film through movement of the arm by the film, a stop normally lying in the path of the movable connections between the winding shaft and the shutter setting shaft and movable from its normal position by said arm, a spring for operatively engaging said connections when said stop is moved for preventing further movement of the film winding shaft while the shutter setting shaft is wound.

2,275,792
CAUSTICIZATION OF SODA
William Carlton Moseley, Lake Charles, La., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application August 1, 1940, Serial No. 349,293
2 Claims. (Cl. 23—185)

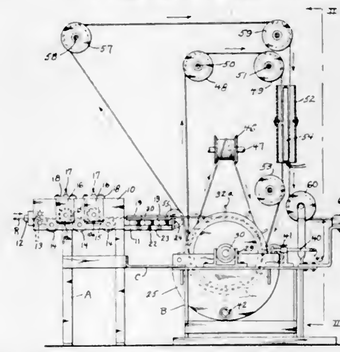
2. In the production of caustic soda by causticization of soda ash with lime, the improvement which comprises maintaining a maximum concentration of sodium sulfate not substantially exceeding 0.0025% Na_2SO_4 on the sodium hydroxide present following causticization and subsequently precipitating and settling precipitated sodium carbonate and sodium sulfate from the causticized liquor while maintaining said maximum concentration of sodium sulfate.

2,275,793
DESCALING, CLEANING, AND COATING MACHINE
Peter M. Murphy, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Application July 17, 1940, Serial No. 346,028
5 Claims. (Cl. 91—46)



3. A machine for cleaning metal wire, rod or strip material which comprises a tank having a plurality of adjacent compartments in side by side relation, a drum rotatably mounted in each compartment receiving a plurality of turns of the metal material therearound, a common drive shaft for all of said drums, means feeding the metal material to a receiving point on the first drum, a transfer guide receiving the metal material from the discharge point of said first drum to direct the material to the receiving point of the adjacent drum, and means spaced from said transfer means for guiding the metal material away from the discharge point of said adjacent drum whereby said compartments are adapted to receive liquid baths at levels below the tops of the drums and said drums are adapted to multi-immerse the metal material in each bath.

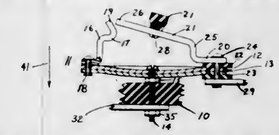
2,275,794
MULTILIME COATING AND DRYING MACHINE
Peter M. Murphy, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Application October 25, 1940, Serial No. 362,723
5 Claims. (Cl. 205—16)



5. In a mechanical descaler and elongated metal material fabricating assembly including descaling sheaves for flexing elongated metal material to crack off scale therefrom together with a fabricating apparatus for acting on elongated metal material, the improvement which comprises a lime coating device between the descaler and fabricating apparatus, said device having a drum receiving therearound a plurality of turns of the elongated metal material from the descaler, a tank receiving the drum therein and adapted to hold a lime bath for lime coating the elongated metal material on the drum, and means driving the drum to pull the elongated metal material through the descaler and the lime coating bath for feeding the descaled limed elongated metal material to the fabricating apparatus in a condition substantially free from axial tension.

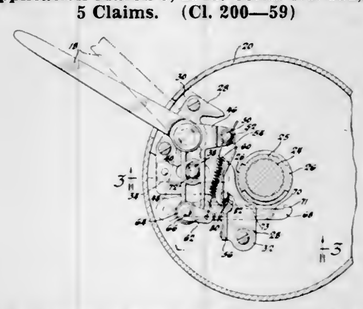
2,275,795
ELECTRICAL THERMOMOTIVE DEVICE
Charles W. Musser, Omaha, Nebr., assignor to Jubilee Manufacturing Co., Omaha, Nebr., a corporation of Nebraska
Application March 6, 1941, Serial No. 381,969
8 Claims. (Cl. 200—138)

1. An electrical device comprising a block of electrical insulating material, a bi-metallic disk of concavo-convex contour in cross section; said disk being normally of initial form sustaining character, a bolt electrode for attaching a medial portion of said disk to said block, a detent electrode secured to and in contact with said disk adjacent the perimeter of the latter, and a third electrode having a resilient arm portion carried by and electrically insulated from said disk, said detent and arm electrodes being spaced apart with respect to each other and adapted to be included in an electrical circuit, the free end of



said arm being adapted to engage in said detent for normally closing said circuit, said disk being adapted to become deformed at times when an electrical current greater than a preselected degree is applied to said circuit for releasing said arm from said detent for opening said circuit, whereby said disk becomes cooled and assumes its said normal initial form for reuse.

2,275,796
DIRECTION SIGNAL SWITCH
Owen M. Nacker, Pleasant Ridge, and Andrew L. Vargha, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 5, 1941, Serial No. 381,880
5 Claims. (Cl. 200—59)

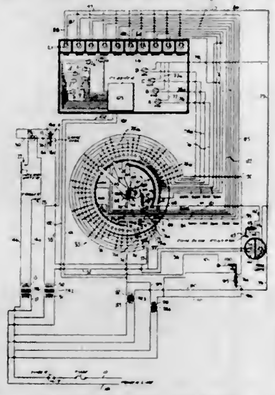


1. In operating means for direction signals the combination of a rotatable steering shaft, a lever pivoted alongside the shaft having direction indicating positions and an intermediate off position, means operated by the lever for giving a signal when the lever is in either direction indicating position, a detent having oppositely facing engaging portions pivoted to said lever, means on said shaft adapted to have ratchet engagement with one or the other of said engaging portions when said lever is moved to direction indicating position and the shaft is rotated to make the turn and to engage said engaging portion to restore the detent and lever to off position when the direction of rotation of the shaft is reversed.

2,275,797
GAME-SCORE INDICATING DEVICE
Fred M. New, New York, N. Y., assignor to Fredcraft Corporation, New York, N. Y., a corporation of New York
Application July 28, 1939, Serial No. 287,047
2 Claims. (Cl. 177—384)

1. In combination with a game device having a sighting device for following a moving target associated with the game device and means for periodically closing a circuit when the sighting

device is aimed at the target; a step-by-step circuit controlling device, means in said circuit for stepping said device step by step, a score indicating device comprising a first series of lamps arranged to indicate by their successive illumination hits scored on the moving target, a second series of lamps arranged to indicate by their successive illumination stages in the simulated falling of the target when hit, a third series of lamps for indicating by their successive illumination the number of times said first series of lamps



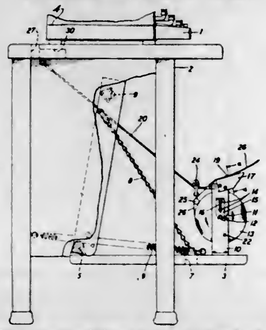
has been operated, circuit controlling means for successively operating said second series of lamps through a cycle when set into operation, and means operated by the step-by-step circuit controlling device for successively operating said first series of lamps, setting into operation the circuit controlling means for the second series of lamps for one cycle of operations, thereafter repeating these operations and with each repetition successively illuminating the lamps of the third series.

2,275,798

TELETYPEWRITER EQUIPMENT

Laurence A. O'Brien, South Orange, and Edward M. Smith, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 28, 1938, Serial No. 232,070
6 Claims. (Cl. 242—55.2)



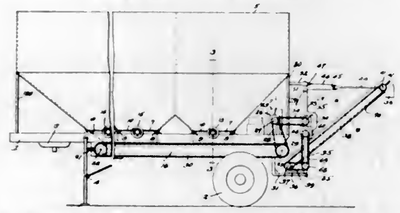
1. A table comprising a top adapted to support a printing machine, said top having a slot therein, a movable panel in the table having an open position and a closed position, holding means adapted to hold a strip of paper in roll form, securing means for securing the holding means to the panel, an instrumentality adapted to hold one end of the strip of paper, and means for attaching said instrumentality to said holding means at a point which is beneath and adjacent to said slot when said panel is in its closed position whereby the end of the strip of paper held by said instrumentality is carried into the slot in the top of the table when the panel is moved from its open position to its closed position.

2,275,799

SELF-UNLOADING TRAILER

Eli Oklejas, Monroe, Mich.

Application April 3, 1941, Serial No. 386,731
2 Claims. (Cl. 214—83)



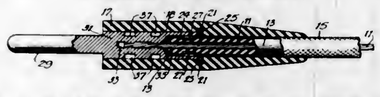
1. Unloading mechanism comprising a vehicle, an upper gear casing secured to the vehicle, an upright post having its lower end mounted to rotate on the upper gear casing, the post having an offset spanning the upper gear casing, an open carrier having its upper end connected to the offset, a lower gear casing secured in the offset and mounted to rotate on the upper gear casing, a conveyer frame extended through the carrier, means for mounting the frame on the carrier for vertical swinging movement, a conveyer traversing the frame, and mechanism for operating the conveyer, said mechanism comprising gearing located in the gear casings.

2,275,800

ELECTRICAL CONNECTOR

Einar R. Olson, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 17, 1939, Serial No. 290,553
2 Claims. (Cl. 173—269)



1. In an electrical connector, a lead wire comprising a flexible conductor having an insulating covering formed thereon, a terminal having a hollow, tubular portion for receiving one end of said lead wire, the inner end of the passageway within said hollow, tubular portion being of substantially the same cross sectional area as said conductor and the outer end of the passageway within said hollow, tubular portion being counterbored to receive said conductor with said insulating covering in place thereon, a bared end portion of said conductor extending into the inner end of the passageway within said hollow, tubular portion and being electrically and mechanically connected to said hollow, tubular portion by crimping, a ferrule which is disposed about the insulating covering of said lead wire adjacent said bared end and which is permanently attached to said lead wire, said ferrule having a tubular body portion which extends into the outer end of the passageway within the

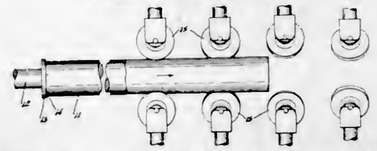
hollow, tubular portion of said terminal and having an outwardly projecting flanged portion which is disposed outside of, but closely adjacent to, the hollow, tubular portion of said terminal.

2,275,801

MANUFACTURE OF TUBES

Chester A. Orr and Edmund W. Riemenschneider, Canton, Ohio, assignors to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio

Application November 21, 1938, Serial No. 241,580
3 Claims. (Cl. 80—62)



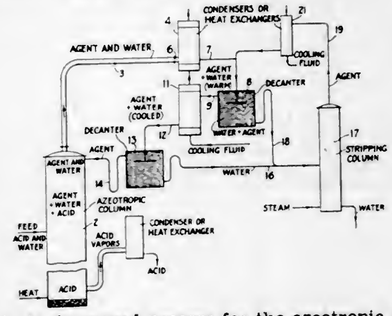
1. The method of cold working metal tubes including the steps of placing a tube on a smaller diameter mandrel, radially working the tube wall metal under pressure between the mandrel and rolls by passing the tube and mandrel between radially acting rolls, maintaining balanced working pressures on the tube wall metal during working by uniformly loading the rolls, and maintaining that portion of the tube wall being worked under longitudinal compression while radially working the same under balanced working pressures.

2,275,802

TREATING AZEOTROPIC CONDENSATE

Donald F. Othmer, Coudersport, Pa., and Robert E. White, Cincinnati, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 10, 1939, Serial No. 289,451
10 Claims. (Cl. 202—42)



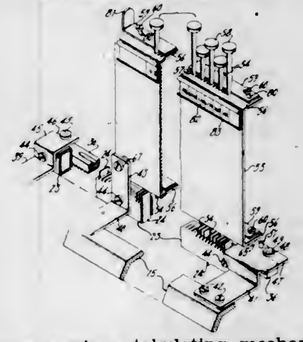
1. An improved process for the azeotropic distillation of aqueous solutions containing at least one lower aliphatic acid, which comprises distilling the aqueous solution in the presence of an agent which forms an azeotrope with water, distilling off the vapors containing water and said agent, cooling the vapors sufficiently to produce a condensate therefrom but insufficiently to cool the condensate 15° C. below the boiling point of said azeotrope, decanting the condensate in the relatively warm condition into a water layer and an agent layer, subjecting the agent layer to further cooling and decantation which causes the separation of further water from the agent, conducting this water and the first-mentioned water to treatment for the distillation therefrom of any agent contained in the water, and returning agent processed in accordance with the aforementioned steps as a heated reflux to the azeotropic distillation, by passing the agent in heat exchange with outgoing hot products of the azeotropic distillation.

2,275,803

TYPEWRITING MACHINE

Rogelio Padin, Florida, Argentina, assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application October 28, 1940, Serial No. 363,140
5 Claims. (Cl. 197—179)



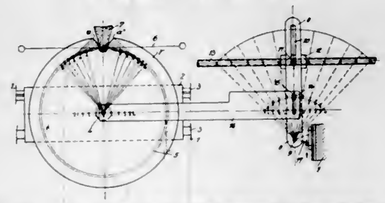
3. In a carriage tabulating mechanism, the combination with a stop-rack mounted on the carriage and a series of column-spaced stops on said rack individually settable from an ineffective position to an effective position, the column-spacing of said stops being variable for different work sheet forms, of two spaced guide bars mounted on the carriage, each bar having letter-spaced guide slots covering the range of column spacing, and stop-setting plungers retained in said guide bars and variably disposable in such of said guide slots as correspond to the column spacing determined for the rack stops, each plunger being operable to set a corresponding rack stop.

2,275,804

APPARATUS FOR GRINDING GEAR TEETH

Erich Parz, Karlshorst, near Berlin, Germany, assignor to Deutsche Niles Werke Aktiengesellschaft, Weissensee, near Berlin, Germany

Application June 14, 1939, Serial No. 279,230
In Germany June 21, 1938
4 Claims. (Cl. 51—123)



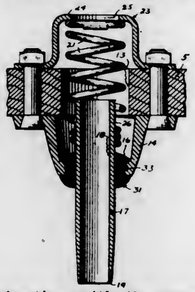
1. In apparatus for generating involute gear teeth of gear wheels, a frame, a member slidable on the frame, a gear blank rotatably mounted on said slide member, a disc rotatable with the gear blank, a band extending around said disc with the ends thereof fixed with respect to the frame, a disc-shaped cutting tool arranged for generating gear teeth on the gear blank, a longi-

tudinally movable lever connected to the slidable member extending therefrom in the direction of movement of the slide member, said lever having a transverse slot therein, a pivotally mounted arm arranged transversely of said lever, a pin carried by said arm engaging said lever within said slot, and means for swinging said arm.

2,275,805
PREPARATION OF CELLULOSE NITRATE FROM WOOD PULP
John L. Patterson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 17, 1940, Serial No. 335,839
4 Claims. (Cl. 260—223)

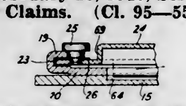
1. In the refining of nitrated wood pulp made from thin pieces of wood pulp, the step which comprises mixing 1–50% (based on the weight of the mixture) of nitrated cotton therewith prior to at least one of the refining steps.

2,275,806
SPRUE-FORMING DEVICE
Peter L. Perazo, Oakland, Calif.
Application December 14, 1940, Serial No. 370,196
7 Claims. (Cl. 22—38)



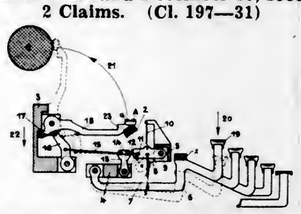
1. In combination with the squeeze board of a sand molding flask, a sprue punch, a basin pattern mounted on the board and providing an opening for longitudinal movement of the punch therethrough, and means operative at said opening to permit lateral displacements of the punch from its normal angular relation to the squeeze board during and following its movement through the opening while constantly providing a sand seal at the punch in the opening.

2,275,807
SLIDING SHUTTER BLADE CONSTRUCTION
Harlow D. Philips, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 16, 1940, Serial No. 319,299
9 Claims. (Cl. 95—55)



1. In a shutter for cameras, the combination with a support, of overturned rails mounted on and spaced from the support, shutter plates, studs carried by the shutter plates forming the sole contact between the shutter plates and the rails, the edges of the shutter plates extending beneath and lying close to the overturned rails to form a light tight connection therewith.

2,275,808
OPERATING MECHANISM FOR TYPE BARS OF TYPEWRITERS
Giuseppe Prezioso, Yverdon, Switzerland, assignor to E. Paillard et Cie S. A., Yverdon, Switzerland, a corporation of Switzerland
Application November 27, 1939, Serial No. 306,423
In Switzerland December 10, 1938
2 Claims. (Cl. 197—31)



1. In a typewriter, a type-bar carrier, a type-bar pivoted to said type-bar carrier, said type-bar carrier being vertically movable for case adjustment of said type-bar, a pivoted key-lever, said type-bar carrier having a stop member against which said type-bar rests when same is in its normal or at-rest position, a substantially vertically disposed rocker-lever pivoted at one end for forward and rearward swinging movement, a connection between said rocker-lever and said type-bar whereby forward swinging movement of the former effects pivotal typing movement of the latter from its normal or at-rest position, said connection comprising a link arranged so that vertical movement of the type-bar carrier for case adjustment is practically ineffective to apply any displacing force to said rocker-lever or to said type-bar, a substantially horizontally disposed locking-lever pivoted at its front end for upward and downward swinging movement, a link connecting the rear end of said locking-lever to the free end of said rocker-lever, a connection between said key-lever and said locking-lever whereby depression of said key-lever effects downward swinging movement of said locking-lever and forward swinging movement of said rocker-lever and consequent pivotal typing movement of said type-bar from its normal or at-rest position, yieldable means tending constantly to move said locking-lever upwardly, and means limiting upward movement of said locking-lever to a position in which same and said link are longitudinally alined when the type-bar is in its normal or at-rest position, whereby the type-bar is prevented from being moved from its normal or at-rest position except by depression of said key-lever.

2,275,809
REACTION OF EPINEPHRINE WITH AMINO ACIDS AND PRODUCTS THEREOF
Richard G. Roberts, Chicago, Ill.
No Drawing. Application February 9, 1939, Serial No. 255,492
2 Claims. (Cl. 260—501)

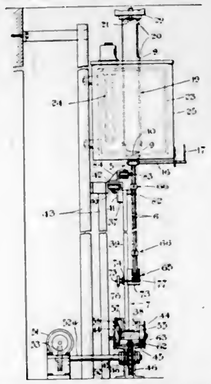
2. A conjugate of epinephrine and an amino acid.

2,275,810
ATTACHMENT FOR ELECTRIC RAZORS
John N. Weiland, Cleveland, Ohio
Application September 5, 1940, Serial No. 355,494
8 Claims. (Cl. 30—34)

3. The combination of an electric razor with a skin stretching device including oppositely arranged yielding wings divergingly extended from opposite sides of said razor, and means co-operating with said wings for adjusting the divergence of said wings with respect to each other and the razor.

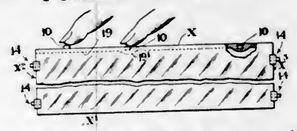


2,275,811
APPARATUS FOR FORMING MULTIPANE GLAZING UNITS
Harold M. Woelfel, Montreal, Quebec, Canada, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada
Application May 13, 1938, Serial No. 207,719
15 Claims. (Cl. 154—27)



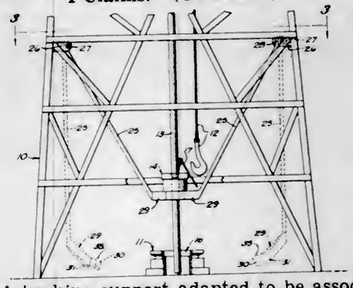
1. Apparatus for use in the manufacture of multi-pane glazing units comprising two spaced transparent panes having their marginal edges cemented together by a continuous interposed sealing strip of plastic composition, said apparatus comprising extrusion means for forcing the sealing composition into place between said panes while the latter are supported in spaced opposing relation with the opposing surfaces of the panes separated by an intervening air space and with corresponding edges of the panes lying in a common plane and mechanical means for effecting relative movement between the extrusion means and said panes whereby the sealing composition is laid in place in the form of a continuous strip extending uninterruptedly along the marginal portions of said panes.

2,275,812
PREFORMED MULTIPANE GLAZING UNIT
Harold M. Woelfel, Montreal, Quebec, Canada, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada
Original application May 13, 1938, Serial No. 207,719. Divided and this application March 11, 1940, Serial No. 323,346
3 Claims. (Cl. 154—28)



1. The method of making glazing units for insulating windows comprising cementing together two spaced transparent panes by interposing a continuous marginal sealing strip of adhesive plastic composition between the marginal edges of the panes and then embedding a plurality of spaced resilient rubber blocks in said plastic composition by placing each block against the exposed surface of the composition and pressing the block inwardly to a position between the opposing surfaces of the panes.

2,275,813
BUSHING SUPPORTING MEANS FOR OIL WELL RIGS
Walter A. Abegg, Los Angeles, Calif., assignor to Abegg & Reinhold Co., Ltd., Los Angeles, Calif., a corporation of California
Application October 3, 1939, Serial No. 297,708
4 Claims. (Cl. 255—1)



1. A bushing support adapted to be associated with an oil well rig including a rotary table and a bushing therefor, through the bore of which bushing a vertical pipe is adapted to extend, said support embodying a pair of arms adapted to be mounted at opposite sides of the table for pivotal movement about horizontal axes at points above the table, a pair of elements, one on the distal end of each arm, said arms being of individual lengths to swing their associated elements into positions where at least one of them is in supporting engagement with said bushing when the latter is lifted clear of the table and along the pipe to a predetermined height, and releasable means interconnecting the two elements to prevent their separation when they are so positioned.

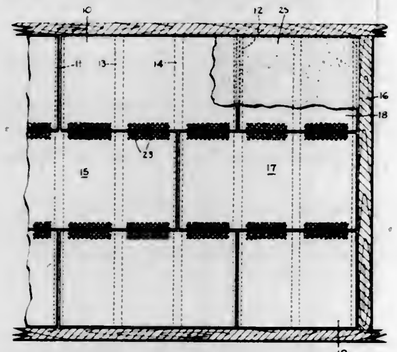
2,275,814
COATED SHEET MATERIAL
Allen Abrams and George W. Forcey, Wausau, and Charley L. Wagner, Menasha, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application November 14, 1939, Serial No. 304,412
4 Claims. (Cl. 91—70)

4. A method of coating films of rubber hydrochloride which comprises coating a film of rubber hydrochloride with a hot melt composition comprising 94 to 70% by weight of a wax and 6 to 30% by weight of rubber, simultaneously heating and stretching said coated film to reduce thickness of said film and coating while maintaining continuity of said coating.

2,275,815
BUILDING CONSTRUCTION
Dean D. Crandell, Buffalo, N. Y., assignor to National Gypsum Company, Buffalo, N. Y.
Application September 24, 1938, Serial No. 231,572
2 Claims. (Cl. 72—16)

1. As an article of manufacture, a building element comprising a lath panel and a plurality of

elongate reinforcing elements comprising a part of said article and being disposed along one edge thereof in spaced end to end relation, said reinforcing elements being flat, reticulated members secured against the plaster receiving surface of said lath and having longitudinal marginal portions projecting therefrom to overlie co-



operating adjacent lath elements and the several reinforcing elements being of a length less than the pitch of conventional studding and spaced from each other at a pitch substantially equal to the pitch of conventional studding whereby the lath may be secured to studding with the reinforcing elements disposed intermediate each pair of studs.

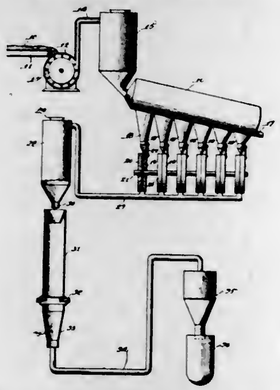
2,275,816

FLOWABLE HEAT INSULATING MATERIAL AND METHOD AND APPARATUS FOR FORMING THE SAME

Richard Ericson, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application March 14, 1938, Serial No. 195,831

9 Claims. (Cl. 154—28)



1. A flowable heat insulating material comprising nodules of fusible mineral fibers the surfaces of which are fused to provide an incrustation thereon.

3. The process of forming flowable heat insulating material which comprises forming fusible fibrous mineral material into nodules of predetermined size and fusing the exterior surfaces of said nodules to remove projecting fibers.

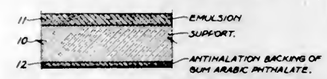
2,275,817

ANTIHALATION COATING

Charles R. Fordyce and John Emerson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 18, 1941, Serial No. 375,052

8 Claims. (Cl. 95—9)



1. A transparent photographic element comprising a support, a sensitive emulsion layer thereon, and a layer of a dicarboxylic acid ester of gum arabic thereon.

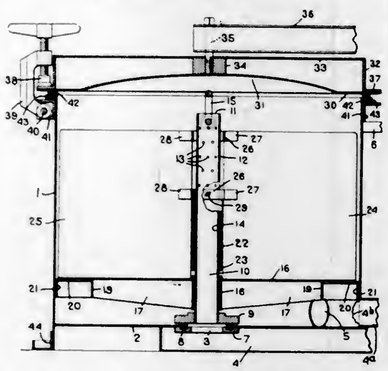
2,275,818

DYEING APPARATUS

Joseph H. Higginson and Homer C. Riggs, Andover, Mass., assignors to Riggs & Lombard, Incorporated, Lowell, Mass., a corporation of Massachusetts

Application August 2, 1940, Serial No. 349,490

7 Claims. (Cl. 68—184)



1. In an apparatus for dyeing or otherwise treating fibrous material, a kier having a bottom provided with a central inlet port for a circulating fluid under pressure, an outlet for said liquid in the lower portion of said kier, a resilient annular packing member mounted on said base surrounding said port, a carrier mounted in said kier comprising a spider having a central hub, a horizontal perforated stock-supporting plate mounted on said spider having a periphery loosely fitting the vertical wall of said kier, and a central standpipe having a perforated upper section with an open upper end and an inperforate lower section loosely fitting the bore of said hub provided adjacent its lower end and below said hub with a collar adapted normally to seat on said packing member, but acting when the standpipe is lifted to raise and support said spider and perforated plate and the load carried thereby, a sleeve valve slidably mounted on said standpipe normally enclosing the imperforate lower section of the standpipe above said perforated stock-supporting plate, but adjustable to close some or all of the perforations of the upper section of said standpipe, means for securing said sleeve in adjusted position, and a horizontal ring secured to said kier above the liquid outlet underlying and supporting the periphery of said plate and sealing the space betwen the periphery of said perforated plate and the wall of the kier.

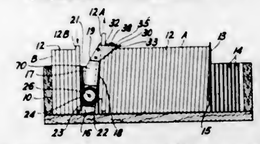
2,275,819

PROGRESSIVE SLIDE SEPARATOR

Henry J. Hood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 28, 1940, Serial No. 367,597

5 Claims. (Cl. 312—92)



1. A progressive separator for use with a series of projection slides having a pre-arranged sequence and a container for said series of slides, said separator being adapted for disposition in said container to separate the series of slides into a group which are to be projected and another group which have been projected, said separator being formed adjacent its upper end to define a guide opening to said projected group, and means carried by said separator for elevating the next adjacent slide of the group to be projected upon insertion of a slide into said projected group adjacent the same, and means on said separator providing an exit slot through which the slide of the group to be projected and immediately adjacent the separator may be projected and preventing the elevation of any other slide of said group.

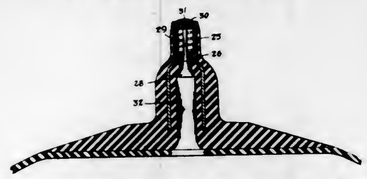
2,275,820

PNEUMATIC VALVE

Oakley W. Hosking, Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 11, 1939, Serial No. 267,329

19 Claims. (Cl. 152—429)



2. A valve stem comprising an elongated hollow member having on at least a portion of the exterior thereof a polished Monel metal surface with a vulcanized rubber body cohering directly to said surface.

2,275,821

FORMALDEHYDE-UREA ADHESIVE

Arthur M. Howald and Kenneth D. Meiser, Toledo, Ohio, assignors to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application May 15, 1940, Serial No. 335,338

4 Claims. (Cl. 260—69)

1. A method of preparing an adhesive that comprises bringing together in aqueous solution a formaldehyde-urea reaction product and sufficient ammonia to fix a substantial proportion of the free formaldehyde in the solution, and then completely evaporating the solution after a substantial proportion of the free formaldehyde in the solution has been fixed but before the formaldehyde so fixed has been replaced by additional formaldehyde liberated from said reaction product, to produce a solid water-soluble product that, when brought together in aqueous solution with an ammonium salt of a strong acid, forms an adhesive having delayed-hardening properties.

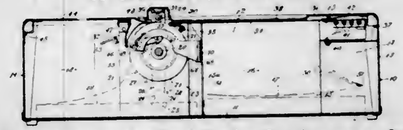
2,275,822

REFOLDING DEVICE

Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application February 1, 1941, Serial No. 376,959

23 Claims. (Cl. 270—61)



1. In a strip feeding device having as a feeding means a rotary member and a roller cooperating therewith, engaging a strip for the advancement thereof, a strip-guiding member rotated with said rotary member for engaging a margin of said strip as it issues from the bite of said feeding means by extending over said margin to hold the strip against said rotary member, and bend the strip around the latter member as it rotates; means for releasing the strip from said engagement before the strip-guiding member attains the margin of the strip entering the bite of said feeding means; and means for retracting said strip-guiding member beyond the margin of the strip in passing the roller and in passing the margin of the strip entering the bite of said feeding means.

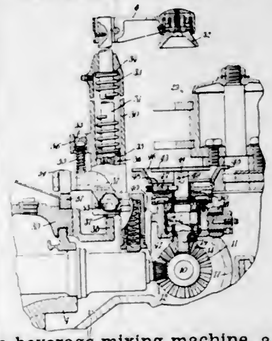
2,275,823

BOTTLE HOLDER FOR MIXING MACHINES

James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application November 9, 1940, Serial No. 364,982

16 Claims. (Cl. 259—54)



1. In a beverage mixing machine, a container-supporting element comprising a bracket including upper and lower arms, one of which is movable relatively to the other to engage and clamp the container, a downwardly facing container engaging clamp carried by and rotatable with respect to said upper arm, an upwardly facing cup-like clamping member carried by and rotatable with respect to said lower arm, an axial stationary central table within said cup-like member, a pivoted lever supporting at one end said cup-like member, and yielding means biasing

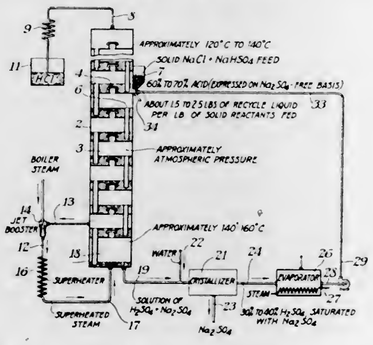
the opposite end of said lever to move said cup-like member toward said downwardly facing clamp.

2,275,824
AUTOCOLLIMATING REFLECTOR
Glen A. Kirkpatrick, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 2, 1938, Serial No. 217,284
6 Claims. (Cl. 40—130)



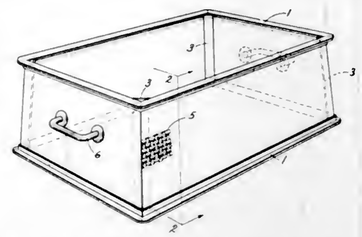
3. Light reflecting means comprising a plurality of sets of autocollimating devices each comprising a lens and a reflector in collimating relation thereto, the reflectors of one set of devices being limited in area to the paraxial region of their associated lenses whereby such set of devices function as autocollimators only for light incident at less than a predetermined angle to the optical axes thereof, and the reflectors of another set of devices surrounding but not occupying the paraxial region of their associated lenses whereby such other set of devices function as autocollimators only for light incident at an angle to the optical axes thereof greater than said predetermined angle, whereby the sets are selectively visible and invisible depending upon the angle of the incident light.

2,275,825
MANUFACTURE OF HYDROCHLORIC ACID
Warren K. Lewis, Newton, Mass., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 25, 1938, Serial No. 226,753
8 Claims. (Cl. 23—121)



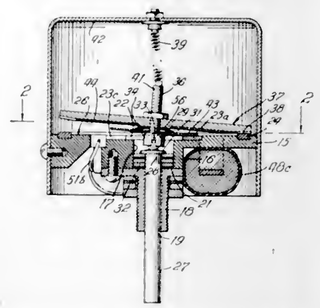
8. In a process for the manufacture of hydrochloric acid by reacting sodium chloride, sodium acid sulfate, sulfuric acid and steam, wherein residual materials containing sulfuric acid liquid and sodium sulfate are obtained, the steps of rendering at least some of the residual constituent re-utilizable, comprising crystallizing part of the sodium sulfate from the sulfuric acid liquid and subjecting the sulfuric acid liquid to an evaporation treatment by heating the acid liquid for volatilizing off water to produce sodium acid sulfate therein for use in the aforementioned reaction.

2,275,826
MOLD FLASK AND JACKET
Ralph J. Mueller, University Heights, Ohio, assignor to The Lake City Malleable Co., Cleveland, Ohio, a corporation of Ohio
Application May 16, 1940, Serial No. 335,574
3 Claims. (Cl. 22—112)



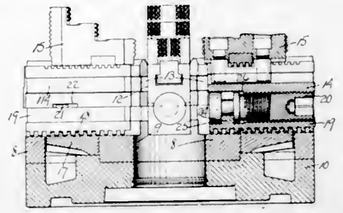
1. A mold jacket or flask comprising substantially rectangular frames, reinforcing corner pieces holding said frames in spaced parallel relation, substantially perpendicular side walls extending between said frames, each of said side walls comprising wire mesh affording a plurality of closely spaced sand engaging surfaces disposed in a common plane to provide a substantially continuous support for the sand, said walls having openings therein disposed in regimented equi-distant spaced relation to facilitate the escape of gases from the mold.

2,275,827
ELECTRIC MOTOR
Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 2, 1940, Serial No. 343,640
14 Claims. (Cl. 172—36)



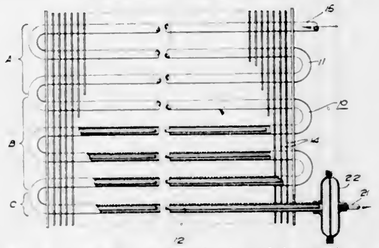
1. An electric motor comprising a motor shaft, and a fixed portion having electro-magnetic units mounted thereon, each of said units having poles extending through said base, said poles being substantially circularly arranged in a spaced relation on said fixed portion, an armature on said shaft rockably movable into the effective magnetic zone of said poles, a circuit for each of said units, means for successively closing said circuits to correspondingly energize said units and provide for a substantially continuous rockable movement of said armature, and means for effecting an angular displacement of said armature during its rocking movement to rotate said shaft, with said latter means retaining said armature spaced laterally of said pole faces.

2,275,828
CHUCK
Harry E. Sloan and Harry E. Sloan, Jr., Hartford, and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application November 27, 1939, Serial No. 306,276
3 Claims. (Cl. 279—116)



1. A chuck comprising a chuck body, a master jaw member movable radially on a screw carrier member on said body, a screw carrier member movable radially on said body, interengaging shouldered elements on said members extending longitudinally of said members and comprising a recess in one member having opposite end abutment shoulders and a lug on the other member extending into said recess and selectively movable into engagement with said abutment shoulders, said end abutment shoulders being positioned to determine the concentricity of a plurality of said master jaw members all at the same distance from the axis of the chuck body, an adjusting screw engaged with one of said members to effect independent relative movement of said members, and means for effecting radial movement of said screw carrier member and the member supported thereon.

2,275,829
REFRIGERATING APPARATUS
Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1939, Serial No. 271,636
7 Claims. (Cl. 62—115)



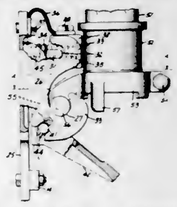
1. In a closed mechanical refrigerating system, the combination of a cooling unit adapted to evaporate liquid refrigerant, a compressor for withdrawing refrigerant vapor from said cooling unit and compressing said vapor, a condenser for cooling and liquefying said compressed vapor, a conduit including a fixed flow-impeding orifice for conducting the liquid refrigerant from the condenser to the cooling unit, said condenser comprising a refrigerant-carrying tube structure having an entrance and an exit, a substantial portion of said tube structure adjacent its exit end being of relatively small refrigerant-conducting cross-sectional area, and means for cooling the surface of said tube structure, the system being arranged to locate the refrigerant level in said tube structure adjacent its exit end during normal operation, said condenser being formed to have greater heat-abstracting effectiveness per unit of refrigerant-conducting cross-sectional area of the tube structure at the portion adjacent the exit end than at the portion adjacent the entrance end of the tube structure, whereby a small change in the volume of liquid refrigerant in the portion of the tube structure adjacent the exit end thereof causes a large change in the effectiveness of heat abstraction from the refrigerant vapor in the tube structure, thereby maintaining the level of the refrigerant liquid in the cooling unit more nearly constant.

2,275,830
ELASTIC FLUID TURBINE
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application June 17, 1939, Serial No. 279,716
4 Claims. (Cl. 253—78)



1. Elastic fluid turbine including a chest having an inlet for receiving elastic fluid and a wall with a plurality of separate discharge openings, a nozzle plate supported on the wall and having a plurality of separate inlet openings, and separate sealing means between the discharge and inlet openings, each sealing means comprising a ring held between the wall and the plate and a sleeve secured to the ring and located in one of the openings.

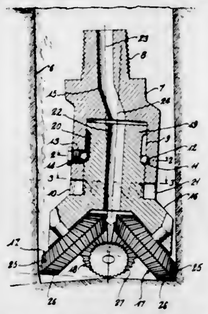
2,275,831
ELECTRIC SWITCH
Edwin A. Williams, Jr., Lansdowne, Carl L. Schuck, Philadelphia, and Gerald P. Clute, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York
Application August 2, 1940, Serial No. 349,846
18 Claims. (Cl. 200—114)



1. In an electric switch, a supporting structure having spaced terminals, a switching element pivoted on said structure so as to be swingable to and from closed position between said terminals, a buffer pivoted on said structure and arranged for engagement by said switching element so as to arrest the opening movement of the switching element and hold the latter in a predetermined open position, and spring means

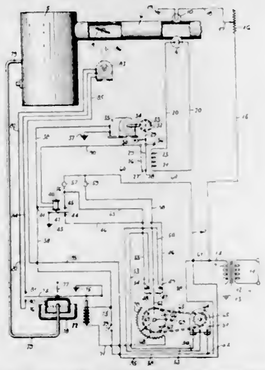
arranged to act on said buffer in a manner to resist displacement of the buffer, said spring means being operative to absorb the shock of impact of said switching element against the buffer.

2,275,832
APPARATUS FOR ROTARY DRILLING
John A. Zublin, Los Angeles, Calif.
Application January 29, 1941, Serial No. 376,538
11 Claims. (Cl. 255—61)



4. In a rotary drill for oil wells, or the like, a shank member for attachment to a drill pipe, a bit body member, a telescopic connection between said members permitting relative longitudinal movement, means for limiting said relative longitudinal movement, said bit body member being arranged with its axis inclined to the axis of a hole formed by the drill, a plurality of cutting edges carried by the bit body member in such a manner that some of the said edges will be operative while others will be inoperative as a result of the inclination of the bit body member axis, and means for effecting angular adjustments between said two members to change the operative and inoperative relationship between the said cutting edges, comprising cooperating clutch elements carried by both members which are released and connected as a result of said limited relative longitudinal movement between the members.

2,275,833
BOILER DRAFT CONTROL
Walcott M. Adams, Clifton, N. J.
Application August 7, 1939, Serial No. 288,819
10 Claims. (Cl. 236—15)



1. A boiler draft control, comprising a light-sensitive cell responsive to the density of smoke in a boiler flue, means regulating the amount of boiler draft, electrical means connected with the first-mentioned means for actuating the same; a pair of contacts, means connected with at least one of said contacts for causing said contacts to remain in and out of engagement with each other for substantially uniform time periods, said uniform time periods occurring, when the smoke density is at the desired value, means operatively connecting the contacts with said electrical means and causing said electrical means to remain inoperative only while said contacts remain in and out of engagement with each other for substantially uniform time periods, and means operatively connecting said photo-electric cell with at least one of said contacts, said contacts to remain in and out of engagement with each other for substantially non-uniform time periods when there is a change in the density of said smoke.

2,275,834
ANTISKID APPARATUS
James F. Alexander, Indian Orchard, Mass.
Application January 30, 1941, Serial No. 376,573
5 Claims. (Cl. 152—237)



1. Anti-skid apparatus for a vehicle wheel comprising, separate annulus members for securing to opposite sides of a wheel, sets of plate assemblies for detachably securing to said annulus members, each plate assembly including a main section for detachably being secured to its respective annulus member and outer sections hinged thereto, and chains for overlying a tire extending between the outer sections of the plate assemblies, all adapted and arranged whereby when the annulus members are secured to a wheel with the plate assemblies secured to the annulus members and the chains overlying a tire the outer hinged sections of a plate assembly may swing relatively outwardly into diverging relation.

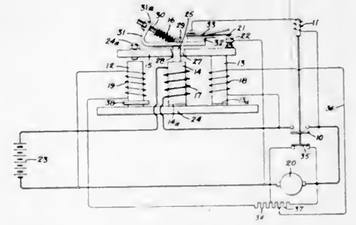
2,275,835
EXTRACTION OF THEOBROMINE
Clemens A. Balmert, Hackensack, and Russell D. Drinkard, Maywood, N. J., and Guy N. Harcourt, Buffalo, N. Y., assignors to Citro Chemical Co. of America, Maywood, N. J., a corporation of New Jersey
No Drawing. Application October 3, 1940, Serial No. 359,564
14 Claims. (Cl. 260—256)

1. In the process of extracting theobromine from a naturally occurring theobromine-containing product wherein the product is mixed and agitated with water and an excess of an alkaline earth metal hydroxide with resulting solubilization and extraction of the theobromine, the improvement which comprises agitating a mixture of the theobromine-containing product, a substantial excess of the alkaline earth metal hydroxide and an aqueous medium, the theobromine-containing product being brought into contact with the aqueous medium in the presence of the alkaline earth metal hydroxide and the quantity of aqueous medium being such as to produce a paste-like mixture filterable and substantially non-settling of said product and the alkaline earth metal hydroxide having substantially the consistency of a mixture of theobromine-containing material with about 40% hydrated lime and about 350% water by weight of the theobromine-containing material, filtering the paste-like mixture under pressure with the separation of a filtrate and a filter cake, and displacing substantially the remaining theobromine content of the product from the filter cake by leaching the filter cake in situ with about twice as much water as used in making up the paste-like mixture and at a temperature from about room temperature to about 60° C.

2,275,836
AGENT AND PROCESS FOR THE CONVERSION OF STARCH CONTAINING MATERIALS
Erich Briess, New York, N. Y.
No Drawing. Application April 10, 1940, Serial No. 328,880
3 Claims. (Cl. 195—20)

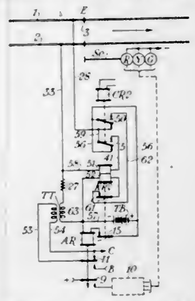
3. A process for converting starch containing material for subsequent yeast fermentation, comprising the step of converting the starch containing material by the addition of between about 1% and 7% of unmalted raw finely ground millet and between about 2% and 9% of ground malt.

2,275,837
BATTERY CHARGING SYSTEM
Guy Bellows, Jr., Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 13, 1940, Serial No. 365,514
8 Claims. (Cl. 171—314)



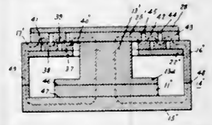
1. A battery charging system comprising a generator, a normally open switch for connecting said generator in a charging circuit with a battery, an operating coil for closing said switch, an E-shaped magnet core, an armature pivoted on the middle leg of said core, switching means operated by said armature for controlling said coil to open and close said switch, a spring for biasing said armature toward one of the outer legs of said core, a differential voltage coil on said one outer core leg connected across said switch, a voltage coil on the second of said outer core legs connected across said generator, and a series coil in said charging circuit on the middle leg of said core, said series coil being energized to assist said voltage coil in holding said armature against the bias of said spring in position to energize said coil and close said switch during battery charging operation but to oppose said voltage coil during battery discharging operation whereupon said armature moves in accordance with the bias of said spring to deenergize said coil and open said switch, said series coil then assisting said spring to hold said armature in its biased position in response to discharging current in the event said switch fails to open.

2,275,838
APPROACH CONTROL APPARATUS FOR RAILWAY SIGNALING SYSTEMS
Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application July 29, 1938, Serial No. 222,014. Divided and this application July 20, 1939, Serial No. 285,568
6 Claims. (Cl. 246—38)



1. In combination, a section of railway track, a source of control energy for said section, a code following detector relay having a pick-up circuit and a stick circuit, a coding device having contacts which shift from a front to a back position and from said back to said front position repeatedly and in synchronous relation with respect to each other, a first contact of said device which in a given one of said two positions connects the section rails to said source and thereby causes those rails to receive an "on" period pulse of control code energy and which in the other of said positions transfers said rail connection to said detector relay pick-up circuit and thereby produces a control code "off" period, means responsive to the said "on" period pulses of control code energy which said section rails transmit for further supplying those rails with auxiliary energy in the form of pulses that recur in step with said control code "off" periods and that pick up said detector relay during each of those "off" periods, a second contact of said device which in said given or "on" period position parallels said first contact in completing said rail-to-source connection and which in said other or "off" period position completes said detector relay stick circuit from the time that said detector relay picks up until the end of the said "off" code period within which the pick-up occurs, and traffic governing apparatus controlled by said detector relay and selectively responsive according as that relay is recurrently picking up and releasing or is continuously released.

2,275,839
MAGNETIC STRUCTURE
Eugene W. Boehne, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application January 27, 1940, Serial No. 315,982
5 Claims. (Cl. 175—367)



1. In combination in a magnetic structure, a magnetic circuit including a source of magnetic

flux, a pair of pole pieces, and a series flux carrying member comprising a magnetic segment positioned between and in spaced relation with said pole pieces, said segment and said pole pieces forming a single plane surface, and an armature having a pair of spaced coacting magnetic holding surfaces, said surfaces being relatively fixed with respect to each other to cooperate as a unit, said surfaces forming a second single plane surface, said plane surfaces completely and intimately engaging each other when the armature is held against the flux producing member, said armature surfaces being arranged and dimensioned with respect to said pole pieces and said series flux carrying member when in the attracted position such that said magnetic segment bridges only the gap between said magnetic holding surfaces, one of said magnetic holding surfaces bridges only the gap between one of said pole pieces and said magnetic segment and the other of said magnetic holding surfaces bridges only the gap between said magnetic segment and the other of said pole pieces whereby substantially all of said magnetic flux threads said armature at four series holding surfaces in passing from one of said pole pieces to the other.

2,275,840
ELECTRIC RESISTOR
Kenneth L. Britton and Reginald O. Eaton, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application July 20, 1940, Serial No. 346,612
5 Claims. (Cl. 201—74)



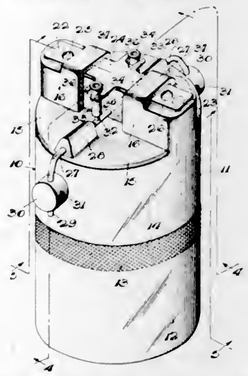
1. An electric resistor comprising an elongated support made of heat refractory electrically insulating material provided with a longitudinally extending bore and with external threads, a resistance conductor mounted on said support, a supporting metal rod extending through said bore loosely to provide for expansion and contraction of said rod independently of said support, a supporting member made of insulating material on each end of said rod, each of said supporting members being provided with an aperture through which said rod extends loosely so as to be free to expand and contract independently of said supporting member, means on the ends of said rod for securing said supporting members against removal from said rod, and attachment means on said supporting members for securing said supporting members rigidly to a common support in a predetermined fixed spaced relation with respect to each other, said rod being free to expand and contract independently of said elongated support and said supporting members in response to changes in the temperature of said rod caused by heating of said resistance conductor.

2,275,841
CLAMP FOR JUNCTION BOXES
Paul A. Check, Trumbull, Conn., assignor to General Electric Company, a corporation of New York
Application January 3, 1941, Serial No. 373,020
2 Claims. (Cl. 285—24.5)

1. A clamping device for use in an electrical junction box comprising, in combination, a clamping member having a bearing surface adapted to engage an electric cable, said clamping member being provided with an open-ended lateral slot extending from one edge thereof, a locking screw, said locking screw being movable laterally into said open-ended slot and having portions cooperating with said clamping member and other portions adapted to be seated within said slot whereby longitudinal movement between the screw and clamping member is prevented, said locking screw being threaded into one wall of the junction box, the other edge of said clamping member cooperating with another wall of the junction box to prevent disengagement of the clamping member and screw by lateral movement of said screw out of said slot after assembly of the screw and clamping member in the junction box, said clamping member being movable into and out of engagement with the cable upon rotation of said locking screw.



2,275,842
LIQUID DISPENSING DEVICE
Jesse Lee Clem, Portland, Oreg.
Application September 16, 1940, Serial No. 357,064
8 Claims. (Cl. 221—13)

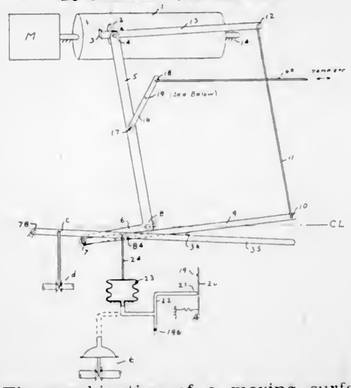


1. In a liquid dispensing device, a base having a pair of passages communicating with the interior of the device, a valve plate slidably mounted on the base and overlying and normally closing said passages when the device is in upright position, a shaft journalled in said base and having an end portion offset from its axis, a weighted element secured to an end portion of the shaft for rotating the latter about its axis when the device is tilted, and means connecting the shaft and valve plate for sliding the plate to cover and uncover the discharge passages when the shaft is rotated.

2,275,843
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application April 28, 1939, Serial No. 270,651
20 Claims. (Cl. 260—22)

1. The process of forming a condensation product which comprises reacting an acyclic olefinic acid having less than ten carbon atoms in the carbon chain with the carbon chain of an oil predominantly consisting of glycerides of linoleic and oleic acids at a temperature in excess of 150° C. and for a time of at least three-quarters of an hour, the reaction being substantially wholly between the acyclic olefinic acid and the oil, and esterifying the acidic condensation product with a poly-hydric alcohol.

2,275,844
METHOD AND MEANS FOR AUTOMATIC REGULATION
Clark M. Dennis, Montclair, N. J.
Application June 1, 1938, Serial No. 211,171
10 Claims. (Cl. 236—86)

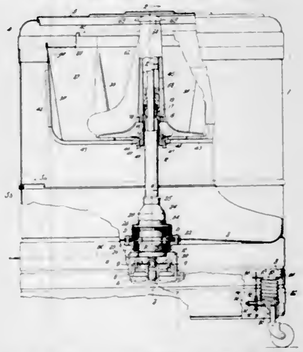


1. The combination of a moving surface, a wheel revolving in contact with but withheld from following the motion of said surface, means by which said wheel may follow its line of rolling contact lateral to the motion of said surface, when turned at an angle to the line of motion of said surface, a steering member connected to the support of said wheel in such manner that deflection of said steering member controls angle of said wheel with respect to the direction of motion of said surface, independent movable supporting means on which said wheel support and said steering member are together pivoted, means whereby said independent supporting means allows said wheel to follow its line of rolling contact lateral to the motion of said surface, and means whereby the angles of said steering arm and said wheel with respect to direction of motion of said moving surface are together automatically altered to values which cause lateral movement of said wheel to be a secondary measure of changes in a condition, as transmitted by a primary device responsive to said changes.

2,275,845
STARCH FINISHING AND SIZING COMPOSITION AND METHOD OF PRODUCING THE SAME
Stoney Drake, Atlanta, Ga.
No Drawing. Application May 10, 1938, Serial No. 207,057
16 Claims. (Cl. 106—213)

1. A starch sizing and finishing composition comprising an above ground starch and a below ground starch, the latter being in substantially larger proportion than the former, said composition having a relatively constant fluidity and viscosity, the former being gelatinized and the latter being both gelatinzed and liquefied, and the former being present in proportions varying from about about 2½ to 30% and the latter being present in proportions varying from 70 to 97½%.

2,275,846
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application July 24, 1936, Serial No. 92,373
15 Claims. (Cl. 68—23)



1. In a washing machine having a tub, a rotatable receptacle in the tub for receiving liquid and material to be washed, means including a vertical sleeve extending upward from the bottom of the tub for supporting the receptacle, washing means in said tub, shaft means extending through said sleeve for operating said washing means and for rotating said receptacle to extract liquid from the material contained therein, means for resiliently supporting said sleeve for gyratory movement relative to the tub, said supporting means being sufficiently resilient so that the sleeve will tend to assume a tilted position during washing, and stabilizing means engaging said sleeve for decreasing the tendency of said sleeve to tilt during washing.

4. In combination, a vertical shaft, a mounting for resiliently supporting the shaft for gyratory movement, a rotatable receptacle adapted to be rotated by said shaft at speeds above the mounting critical speed, a vertical drive shaft, means for rotating the shaft at a speed above said critical speed and a metal universal joint connecting said shafts, said universal joint being of metal having a low internal friction and of the type in which relative angular movement of the shafts is accompanied by flexing of the material of the joint.

10. In a combined washing and drying machine, a casing, a receptacle in the casing for receiving liquid and material to be washed, a vertical shaft extending upward from the bottom of the casing, means including said vertical shaft for effecting washing in the receptacle and for rotating the receptacle to extract liquid from the material contained therein, means including a bearing engaging said vertical shaft for resiliently supporting the shaft and receptacle for gyratory movement relative to the casing, friction damping means acting through a bearing for the vertical shaft for resisting the tilting movement of the vertical shaft whereby procession of the receptacle during extracting is prevented, a resilient mounting for supporting the machine on a floor or the like such that the natural frequencies of the vibration of the machine on the

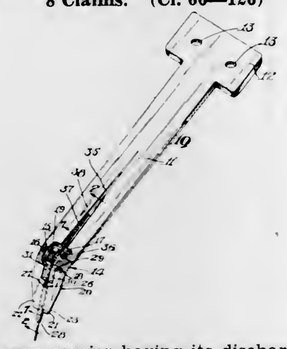
mounting is outside the frequencies of precession of the receptacle, and friction damping means for damping the vibration of the machine on said mounting, said damping means constructed so as to be substantially ineffective for small amplitudes of vibration.

2,275,847
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application July 27, 1939, Serial No. 286,817
2 Claims. (Cl. 210—75)



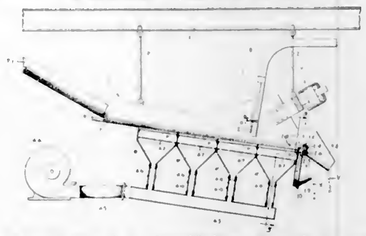
1. In a washing machine of the type having a rotatable clothes receptacle, a casing surrounding the receptacle and arranged to receive the liquid discharged therefrom comprising a cylindrical upper section having a flange at its lower edge, a lower section having a flange at its upper edge, an annular gutter member having spaced inner and outer side walls and means connecting said side walls in fluid tight relationship below the tops of said walls within the casing for receiving liquid centrifugally discharged from the receptacle, a flange on the outer wall of said gutter member adjacent the upper edge thereof, and means for clamping said flanges together.

2,275,848
YARN CARRIER
Ernest A. Feustel, Hasbrouck Heights, N. J.
Application February 27, 1940, Serial No. 321,012
8 Claims. (Cl. 66—126)



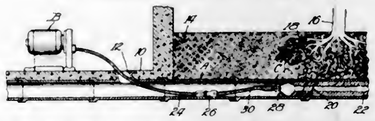
1. A yarn carrier having its discharge end bifurcated generally longitudinally to form juxtaposed tube-gripping spring-jaws; the portion of the carrier including said spring-jaws being bent into a plane different from that in which the rest of the carrier is disposed, and a yarn-guide finger generally in the zone of said bend extending across the line of the bifurcation, said yarn-guide finger being disposed intermediate the bifurcations of said yarn carrier.

2,275,849
APPARATUS FOR SEPARATING MIXED MATERIALS
Thomas Fraser, Aurora, Ill.
Application August 24, 1936, Serial No. 97,716
3 Claims. (Cl. 209—466)



1. Apparatus for classifying granular material including an inclined trough having a pervious bottom; means for feeding the material to the upper portion thereof; means for passing air upwardly through the bottom and the material thereon; means to vibrate the trough with a downwardly feeding action to cause the material to flow down the trough in a stream of generally uniform depth; a downwardly depending gate spaced from the bottom and against which the stream flows; a pervious skimming plate carrying the upper portion of the stream beyond the gate and spaced above the bottom; a dam beyond the gate and under the skimming plate, extending upwardly from the bottom high enough beyond the bottom of the gate to prevent the level of the heaviest stratum from getting below the bottom of the gate under the combined influence of the vibration of the trough and the fluid pressure of the stream; and means for restraining the escape of air from between the bottom and the skimming plate except by passing through the skimming plate, while forming a passage for the withdrawal of the heavier stratum passing below the gate, including a spout extending downwardly from said passage and a chute pivoted on the lower end of the spout and positioned to maintain the bottom of the spout filled to restrict the flow of air therethrough.

2,275,850
DRAIN CLEANER
Harry I. Gardner, Chicago, Ill., assignor to John C. Miller, Chicago, Ill.
Application July 25, 1938, Serial No. 221,111
2 Claims. (Cl. 15—104.30)

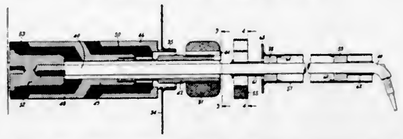


2. In a drain pipe cleaning device including a source of power, a tubular cable of flexible wire attached thereto adapted to be rotated, and a universal joint near the free end to supply added lateral movement to the free end when extended around a corner, the combination of a cutting head attached to the free end adapted to be rotated by the cable while being passed through a drain comprising a body portion having a rounded shank extending into the free end of the cable in contact with the sides thereof a distance substantially greater than its width for straightening the flexible cable immediately adjacent the head and secured by the end strand of said cable, said cutting head having a slotted exterior, a cleaning device positioned in said slot and connected therein and mounted for cross-wise pivotal movement with respect to the body, said cleaning device having a curved edge blade adapted to be projected through a drain to cut and clean debris therefrom when passed rotatably in either direction.

2,275,851
PROCESS FOR TREATING FABRICS AND LIKE MATERIALS TO PRODUCE EFFECTS THEREIN AND PRODUCTS THEREFROM
Georges Heberlein and Ernst Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 26, 1939, Serial No. 252,938. In Germany February 15, 1935
10 Claims. (Cl. 8—114.5)

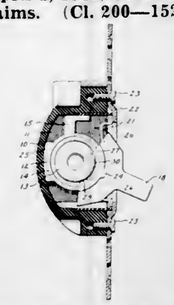
1. A process for producing pattern fabrics which comprises taking for subsequent treatment a fabric containing inactive and active fibers woven in a pattern, the inactive fibers being coated fibers which are substantially inactive to swelling agents, the active fibers being natural vegetable fibers which have been treated to remove surface incrustations and render the fibers substantially active to swelling agents and treating such fabric with a swell agent to form a visible pattern by altering the active fibers under the swelling action, while the inactive fibers are substantially unaltered thereby.

2,275,852
ELECTRODE ASSEMBLY
Carl C. Herskind, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 2, 1940, Serial No. 343,532
6 Claims. (Cl. 250—27.5)



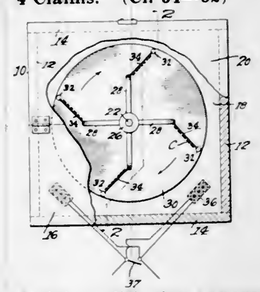
1. In a discharge device which comprises a main anode, a mercury pool cathode and an envelope enclosing said anode and cathode, the combination which includes an immersion-ignitor electrode in contact with the mercury cathode, a hollow housing projecting outwardly from a lateral wall of the envelope and hermetically joined thereto, a rigid current supply conductor extending from said ignitor electrode outwardly through said housing and serving to support said ignitor, an auxiliary anode comprising a body of conductive material which surrounds the said conductor at a point within the confines of said housing, whereby said auxiliary anode is at least partially shielded from the possibility of bombardment due to ionization within the envelope, said auxiliary anode being insulatingly spaced from said conductor, and a second conductor extending within said housing for supplying current to the auxiliary anode.

2,275,853
ELECTRIC SWITCH
Philip Hutt, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application April 1, 1941, Serial No. 386,249
4 Claims. (Cl. 200—152)



1. In an electric switch, spaced contact members, a liquid contact circuit controller having terminals engaging said contact members supporting the controller for rotation, a portion of said circuit controller being provided with a notch and a handle having a projection seated in said notch and having a bearing portion spaced from said projection engaging the periphery of said circuit controller, the portion of the handle between said projection and bearing portion being spaced from contact with the periphery of said circuit controller.

2,275,854
APPARATUS FOR DRYING AND CONDITIONING
Bliss M. Jones, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application September 5, 1939, Serial No. 293,372
4 Claims. (Cl. 34—32)

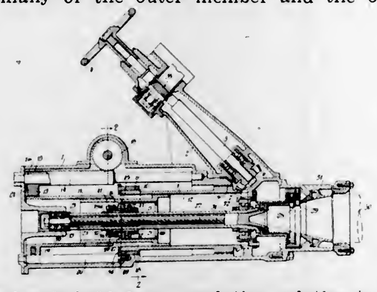


1. In a material conditioning apparatus of the class described, a rotary support, means to rotate said support at a high speed, an element substantially parallel to the axis of the support and secured thereto adjacent its periphery, a second element substantially parallel to said axis and secured to the support between said first element and said axis, but to one side of a line connecting said first element and said axis, and a pervious material holding means secured to and between said elements.

2,275,855
APPARATUS FOR SETTING FUSES OF PROJECTILES
Felix Alexander Joseph, Hong Kong
Application August 10, 1940, Serial No. 352,059
In Great Britain June 27, 1939
6 Claims. (Cl. 86—23.1)

1. In a fuse setting device, a casing, a pair of

independently rotatable coaxial fuse setting members the inner of which is provided with a steeply pitched thread, a rotatable traveller having screw engagement with the inner member and a pin and slot connection with the outer member whereby the traveller may move longitudinally of the outer member and the outer



member is held from revolution relative to the traveller, a setting pawl carried by each member, means for causing primary longitudinal movement of the traveller along said members, and other means for causing secondary movement of the traveller along said members, said last means having a movement causing two complete revolutions of one member relative to the other.

2,275,856

WHITE PIGMENT AND THE PROCESS OF PREPARING THE SAME

Ekbert Lederle, Ludwigshafen, and Rudolf Brill, Heidelberg, Germany

No Drawing. Application April 17, 1937, Serial No. 137,494. In Germany April 17, 1936

5 Claims. (Cl. 106—300)

1. A process for preparing white pigments comprising heating anatase titanium dioxide admixed with a minor amount of a mixture of zinc oxide and magnesium oxide between above 840° and 1100° C. until by X-ray examination the presence of a substantial amount of rutile titanium dioxide can be detected.

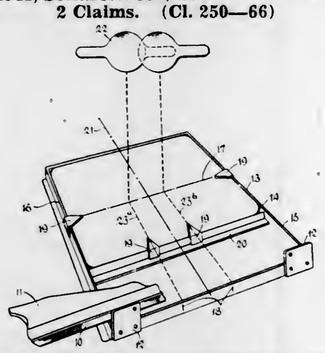
2,275,857

CASSETTE FRAME FOR X-RAY USE

Kurt Lowitzsch, New York, N. Y., assignor to The Kelley-Koett Manufacturing Co., Inc., Covington, Ky., a corporation of Ohio

Original application July 30, 1940, Serial No. 348,403. Divided and this application March 19, 1941, Serial No. 384,136

2 Claims. (Cl. 250—66)



1. A cassette frame comprising an extension portion and a cassette holding portion, gauge points made of an X-ray opaque substance attached to the inner edge of said cassette holding portion in such a position as to clear the cassette therein and to cast a Roentgen shadow upon the film in said cassette during X-ray exposure, there being gauge points provided for at least three sides of said film, said points being arranged so that two are oppositely disposed on the longitudinal axis of the film and two disposed equidistantly from the vertical axis of the film at the same edge thereof at a stereoscopic distance apart.

2,275,858

TAPING DEVICE

Manley T. Mallard, Fairfield, Conn., assignor to General Electric Company, a corporation of New York

Application September 25, 1940, Serial No. 358,271

2 Claims. (Cl. 242—55)



1. A winding device for use with a plurality of rolls each formed of two tapes wound in superposed relation comprising, in combination, a support, means rotatably mounting the rolls on said support, spaced guide rollers mounted on said support and biased toward each other for receiving the tapes from each roll therebetween, and a reel associated with each guide roller for receiving one tape from each roll, movement of said tapes between said guide rollers driving the respective reels to wind the first-mentioned one tape thereon as the other tapes from the rolls are simultaneously removed therefrom.

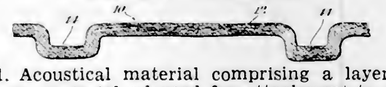
2,275,859

ACOUSTICAL MATERIAL

Jacob Mazer, Elkins Park, Pa.

Application January 20, 1938, Serial No. 185,820

6 Claims. (Cl. 154—44)



1. Acoustical material comprising a layer of fibrous material adapted for attachment to wall members or ceilings, said layer having a plurality of raised portions and a plurality of intersecting longitudinal and transverse narrow, linear depressions, the side walls of the depressions supporting the raised portions, and the side walls of the longitudinal depressions being of less density than the other walls so that the raised portions act as diaphragms under the influence of sound waves.

2,275,860

VOLT-AMPERE INDICATOR

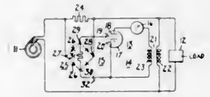
Lothar Michaelis, Washington, D. C., and David M. Davis, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application December 6, 1939, Serial No. 307,838

9 Claims. (Cl. 171—34)

1. Apparatus responsive to volt-amperes in an alternating-current electrical circuit having a

current referred to as line current and a voltage referred to as line voltage, said apparatus comprising an electron discharge device having an anode, a cathode and a control electrode, and being of the type responsive to variations in anode voltage, and also to variations in control electrode voltage, a current-responsive instrument connected in a circuit including the anode and the cathode referred to as the anode circuit, means for applying a voltage in the anode circuit proportional to line voltage, a resistor connected to carry line current, a full wave rectifier having input terminals connected across said resistor and having output terminals, said output ter-



minals being connected in a control-electrode circuit including said control electrode and said cathode, the connections being such that the positive output terminal of the rectifier is connected on the side of the control-electrode circuit toward the control electrode, and the negative output terminal of the rectifier is connected on the side of the control-electrode circuit toward the cathode, whereby a voltage is impressed in the control-electrode circuit varying in response to variations in line current without regard to phase thereof, and a discharge current is caused to flow through said discharge device and said current responsive instrument varying in dependence upon variations in volt-amperes.

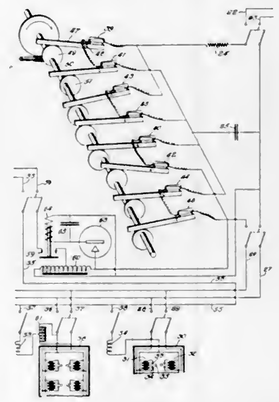
2,275,861

IGNITION APPARATUS

Fred Miess, Gary, Ind.

Application December 14, 1938, Serial No. 245,765

6 Claims. (Cl. 175—115)



1. Apparatus of the character described for periodically supplying a strong electrical impulse of short duration from a source of electrical energy, including: a condenser; a source of current adapted to charge said condenser; means for limiting the charging flow of current; and means for periodically connecting said condenser to the circuit to which said strong impulse is to be delivered, the second named means comprising a pair of mercury switches in series rocked, with a predetermined time relationship therebetween, by a continuously rotating shaft.

2,275,862

EXTRACTION OF LOWER ALIPHATIC ACIDS

Donald F. Othmer, Brooklyn, N. Y., assignor, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia

Application September 14, 1938, Serial No. 229,911

3 Claims. (Cl. 260—541)

3. A process for producing dehydrated acid from aqueous solutions containing at least one aliphatic acid, which comprises cold extracting said solutions with a solvent essentially comprising a ketone compound of from 6–10 carbon atoms, to form an extract of acid, water, and solvent, distilling off therefrom water and solvent as an azeotrope, condensing and decanting this distillate to obtain a solvent layer and a water layer, returning the solvent layer as reflux to this distillation, withdrawing acid and solvent as a residue of this distillation, distilling this residue further to volatilize acid from the solvent thereby leaving solvent as a residue, and returning at least a part of this solvent to the aforesaid extraction.

2,275,863

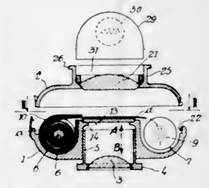
PHOTO VIEWER AND PROJECTOR

Curt Rauch, Chemnitz, Germany

Application July 9, 1938, Serial No. 218,398

In Germany July 10, 1937

6 Claims. (Cl. 88—28)



1. A picture viewer and projector, comprising in combination: two separable shells, two hollow spaces in one of the shells for receiving holding means for the picture band, a protective case for protecting a picture band holding means, inwardly projecting thickened ends on the protective case as gliding surfaces for the picture band, a transparent plate for guiding a picture band extending from one holding means to the other, an adjustable observation lens in aforesaid shell, a light aperture in the other shell appropriately provided with a lens, means for holding the two shells separably together, and means for winding the picture band from one holding means onto the other.

2,275,864

CATHODE RAY TUBE

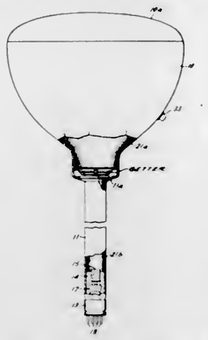
Le Roy E. Record, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York

Application November 27, 1940, Serial No. 367,385

11 Claims. (Cl. 250—141)

10. In a method of fabricating a discharge tube of the type which in finished form includes an assembly of two major glass envelope parts hav-

ing a conductive sheath extending continuously over the interior surfaces of the said two parts, the steps which comprise separately internally coating the respective envelope parts with conductive material prior to uniting the parts, there-

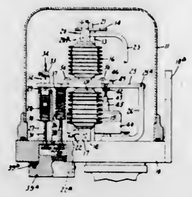


after joining the parts by a fusion seal, and finally depositing metal by vaporization over the region of the said seal, thereby conductively to connect the respective coatings of the parts into a continuous sheath.

2,275,865
OIL SOLUBLE PHENOLIC RESIN AND METHOD OF MAKING SAME
Israel Rosenblum, New York, N. Y.
No Drawing. Application March 2, 1938, Serial No. 193,446
16 Claims. (Cl. 260—25)

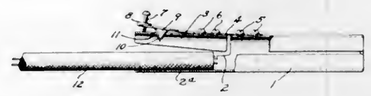
1. The method of producing a high molecular weight, thermo-setting phenolic resin which is capable of being incorporated in glyceridic esters in relatively high proportion, which comprises reacting a phenol, a ketone, formaldehyde and a terpenic material of the group consisting of terpene hydrocarbons and terpene alcohols in any order until a fusible condensate is obtained, the molecular proportion of formaldehyde to phenol being at least 1½:1.

2,275,866
PRESSURE ACTUATED RELAY
Lewis R. Runaldue, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,952
13 Claims. (Cl. 200—83)



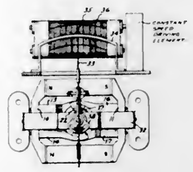
1. In a device of the character described, the combination of a base, a frame mounted thereon, a pair of bellows diaphragms filled with fluid under positive pressure located within the frame, the lower bellows being supported directly by the base and the upper one by the frame, conduits extending upwardly through the base for supplying fluid to the bellows, a lever pivotally supported at one end on the base and extending between adjacent ends of the bellows and acted upon thereby, means accessible from the under side of the base for adjusting the action of the lever, a cross-bar carried by the lever, a pair of switches supported by the frame, one on each side thereof for controlling an electric circuit, and an actuator for each switch aligned with the cross-bar and moved thereby.

2,275,867
TOOL FOR SLITTING THE SHEATHS OF ENCASED WIRES
Ora M. Rybolt, Detroit, Mich., assignor to Magnetic Tool Company, Detroit, Mich.
Application March 29, 1939, Serial No. 265,914
2 Claims. (Cl. 30—91)



2. A tool for slitting the casing of a sheathed wire comprising a body providing a handhold and having a longitudinal aperture through which the wire may be passed, a member projecting forwardly of the forward end of the body and shaped to engage about a wire on one side thereof, a member substantially complemental thereto adapted to engage about the other side of the wire, a spring secured to the body and to the said movable member normally tensioned to move the said complemental member away from the wire, said spring extending to the forward end of the movable member, said movable member having an aperture, a cutter carried by the spring member near its forward end and projecting through the aperture, and an adjusting screw extending through the end of the spring to engagement with the said movable member whereby, through rotation of the screw the distance to which the cutter extends through the aperture may be varied, said movable member being adapted to be moved by pressure applied thereto by the thumb of the operator to engagement with the wire surface and forcing the cutter into the casing to an extent determined by the said adjustment of the cutter, the parts when in the cutting relationship being adapted to be moved longitudinally of the wire to thereby slit the casing.

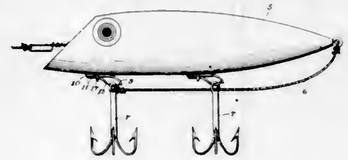
2,275,868
CURRENT RESPONSIVE DEVICE
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 30, 1940, Serial No. 327,070
8 Claims. (Cl. 171—95)



4. A galvanometer comprising a magnetic circuit excited by a permanent magnet and having

pole pieces positioned in off-set parallel planes defining an air gap, a magnetic vane armature, said armature being pivotally mounted for movement in a plane between and substantially parallel to the polar surfaces of said pole pieces, means for resiliently biasing said armature to a neutral position of maximum reluctance in the flux path across said air gap, an exciting winding which when energized polarizes said armature causing it to turn against its bias to a lower reluctance position with respect to one pole piece and a higher reluctance position with respect to the other pole piece, and means for indicating the movement of said armature as a function of the extent and direction of energization of said exciting winding.

2,275,869
RELEASE CLIP
Allan R. Seaton, Seattle, Wash.
Application May 9, 1941, Serial No. 392,741
3 Claims. (Cl. 43—28)



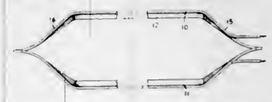
1. As an article of manufacture, a release clip consisting of an upper jaw made of stout spring steel wire bent upon itself in parallel relation, the bent end portion of said jaw curved downward to form a lip and leaving a straight parallel arm portion, a lower jaw made of stout spring steel wire having a straight portion joined to the straight portion of the upper jaw, and a downwardly and upwardly curved portion forming a loop in its cooperative relation with the curved portion of the upper jaw.

2,275,870
ARCHERY ACCESSORY
Horace D. Sheldon, West Caldwell, N. J.
Application June 19, 1940, Serial No. 341,257
2 Claims. (Cl. 248—122)



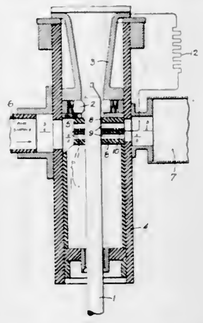
1. A ground quiver to hold archery arrows comprising, a standard having a pointed lower end portion adapted for insertion in the ground at the place of use in upstanding position, a rectangular head block affixed to the upper extremity of said standard, said head block having bearing openings entering its ends and horizontal channels across said ends intersecting said bearing openings, and a U-shaped arrow holding loop member having resilient legs terminating in in-turned journal ends engaged in said bearing openings of the head block, whereby said legs straddle the latter, the legs of said loop member, when the latter is up-swung from a down-folded out-of-service position to a horizontally extended service position, being adapted to spring into said channels in the head block ends so as to releasably support said loop member in said service position.

2,275,871
METHOD OF WINDING COILS
Stanley O. Shields, Peterborough, Ontario, Canada, assignor to General Electric Company, a corporation of New York
Application March 11, 1941, Serial No. 382,724
In Canada August 8, 1940
4 Claims. (Cl. 140—92.1)



1. The method of making preformed coils with deep drop ends for dynamo-electric machines, comprising winding a conductor on a form to provide a coil with a plurality of turns lying in substantially the same plane with a pair of straight side sections lying parallel and close together and end sections extending at a substantial angle to the straight sections, arranging in stepped relationship to one another the conductor turns of the straight section lying on the side of the coil toward which the end sections extend, and removing the coil from the form and forming it so that the straight sections are spaced apart a predetermined width.

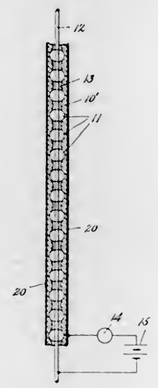
2,275,872
GAS BLAST ELECTRIC CIRCUIT BREAKER
Henry Trencham, Ruislip, and Harold Ernest Cox, Dollis Hill, London, England, assignors to General Electric Company, a corporation of New York
Application June 19, 1940, Serial No. 341,392
In Great Britain June 27, 1939
5 Claims. (Cl. 200—148)



1. A gas blast circuit breaker comprising a fixed hollow contact forming a blast passage, a movable contact co-operating with said fixed contact, a hollow tubular insulating member for sup-

porting said fixed contact and guiding said movable contact into co-operating relation therewith, means for moving said movable contact into and out of engagement with said fixed contact, inlet and exhaust apertures in said tubular member for directing a blast of arc extinguishing gas across the path of movement of said movable contact and thereby across the arc formed between said movable and fixed contacts and into said blast passage as they separate under load, an auxiliary contact disposed adjacent to the path of movement of said movable contact and adapted to make contact therewith as said movable contact moves towards or away from said fixed contact, a resistance connected between said fixed and auxiliary contacts, and an arc extinguishing structure also forming a blast passage disposed adjacent to said auxiliary contact for directing an auxiliary gas blast thereacross.

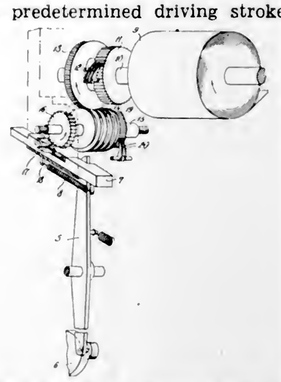
2,275,873
FIRE DETECTOR CABLE
Wilfred J. Turenne, Fayville, Mass.
Application April 19, 1941, Serial No. 389,399
11 Claims. (Cl. 200—143)



1. As an article of manufacture, a tube of fusible metal, a plurality of longitudinally spaced apertured elements of insulating material enclosed within said tube and a metallic conductor passing through the apertures in said elements and extending throughout the length of said tube, said conductor being electrically insulated from said tube by said elements.

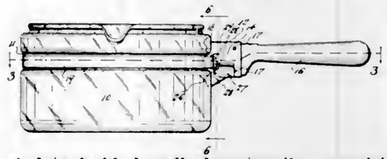
2,275,874
TAKE-UP MECHANISM FOR TEXTILE MACHINES
Herman L. Weisler, Petersburg, and John H. Pope, Hopewell, Va., assignors to Tubize Chatillon Corporation, a corporation of Delaware
Application September 4, 1941, Serial No. 409,482
4 Claims. (Cl. 66—149)

1. In a textile machine having a take-up roll for fabric produced thereon, the combination with a worm gear operatively connected to said take-up roll, of a worm meshing with said worm gear, a rotatable shaft on which said worm is fixed, a ratchet fixed on said shaft, a reciprocable slide bar having a pawl cooperating with said ratchet, means for intermittently moving said slide bar in the direction to cause said pawl to impart a predetermined driving stroke to said



ratchet, and means for returning said slide bar to its initial position after each driving stroke.

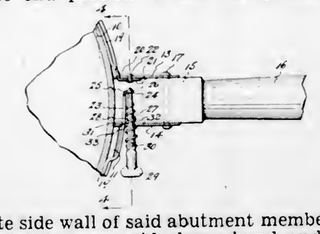
2,275,875
DETACHABLE HANDLE FOR UTENSILS
Harry A. Werfel, Essex Fells, N. J., assignor to Jennings Silver Company, Irvington, N. J., a corporation of New Jersey
Application April 15, 1941, Serial No. 388,595
8 Claims. (Cl. 16—114)



1. A detachable handle for utensils comprising, a handle structure adapted to abut a utensil body in extending relation therefrom, a clamp band having one end anchored to said handle structure and the other end free, a stretching lever pivotally mounted on the free end portion of said clamp band to swing in a plane parallel to the face plane of the latter, said handle structure having means to receive said clamp band free end portion and lever mounted thereon including a perforate wall angular to the face plane of said clamp band end portion, and means angularly projecting from said lever adapted to be engaged with said wall whereby, when said lever is swung about its pivotal connection while in engagement with said wall, the same will be caused to exert an inward thrust upon the clamp band free end portion effective to constrict the clamp band around the utensil body and into frictional gripping relation thereto.

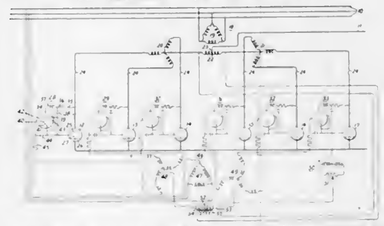
2,275,876
DETACHABLE HANDLE FOR UTENSILS
Harry A. Werfel, Essex Fells, N. J., assignor to Jennings Silver Company, Irvington, N. J., a corporation of New Jersey
Application May 21, 1941, Serial No. 394,452
5 Claims. (Cl. 16—114)

1. A detachable handle for utensils comprising, a hollow abutment member to engage the utensil body, the same having a handle member affixed to its outer end portion for extension therefrom, a clamp band having one end anchored to one side wall of said abutment member and the other end movably related to the opposite side wall thereof, said movable end portion of said clamp band having offset bearing means, a manipulatable screw means having a swiveling connection with said bearing means, whereby said screw means is carried by and disposed in parallel extension contiguous to said movable end portion of the clamp band, said



opposite side wall of said abutment member being perforated to pass said clamp band and to receive said screw means so as to thrustingly engage its screw threads therewith, and the rearward external end portion of said screw means having a finger piece for manipulating the same.

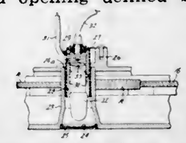
2,275,877
ELECTRIC VALVE CONVERTING APPARATUS
Clodius H. Willis, Princeton, N. J., and Martin A. Edwards, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application May 2, 1940, Serial No. 332,974
11 Claims. (Cl. 175—363)



1. In an electric valve converting apparatus, a supply circuit, a load circuit, electric translating apparatus connected between said circuits for transmitting energy therebetween including a plurality of inductive windings each having a plurality of electric discharge valves associated therewith, control means associated with each of said electric discharge valves, a phase equalizing inductive impedance element interconnecting said windings and associated discharge valves, and a control circuit for maintaining a predetermined division of load between the valves associated with each of said windings including means for deriving a control potential from said impedance element and impressing it on the control means associated with each of said valves to vary the excitation of said valves in response to unbalanced current conditions between said groups of phase windings and associated electric valves to restore balanced current conditions.

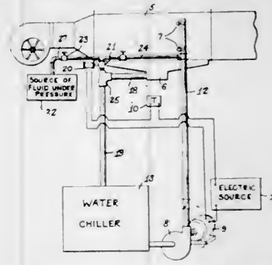
2,275,878
HOUSEHOLD MIXING DEVICE
William F. Allenby, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 23, 1940, Serial No. 371,307
2 Claims. (Cl. 259—1)

1. A household mixing device comprising a mixing bowl, a plurality of mixing elements projecting into said bowl, a power unit for operating said mixing elements, a casing enclosing said power unit, tubular means defining an opening in the wall of said casing directly above said mixing bowl, said tubular means projecting inwardly from said opening, a transparent window covering said opening defined by said tubular



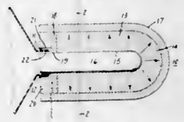
means, an illuminating lamp, and means for supporting said lamp in said tubular means so that the light therefrom will be directed downwardly through said window and into said bowl.

2,275,879
AIR CONDITIONING SYSTEM FOR PASSENGER VEHICLES
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application December 30, 1939, Serial No. 311,788
3 Claims. (Cl. 261—36)



1. Air conditioning apparatus comprising an air washer having a sump, means including a pump for supplying water to said washer, a pipe for draining water by gravity from said sump, a source of fluid under pressure, means utilizing fluid from said source for producing a suction by ejector action in said pipe for initiating the flow of water therethrough, and thermostatically controlled means for energizing said pump and said last mentioned means.

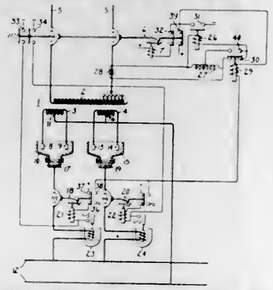
2,275,880
MAGNETIC STRUCTURE
Ralph G. Arey, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application October 5, 1939, Serial No. 298,154
5 Claims. (Cl. 175—21)



5. In a magnetic structure, a permanent magnet arranged and constructed as a substantially closed hollow member and having a single opening between the interior and exterior of said member, said magnet being magnetized in such a direction that the inner surface of said magnet forms one pole and the outer surface of said magnet forms a second pole, a pole piece engaging substantially all of said inner surface of said magnet and having a portion extending outwardly through said opening, a second pole

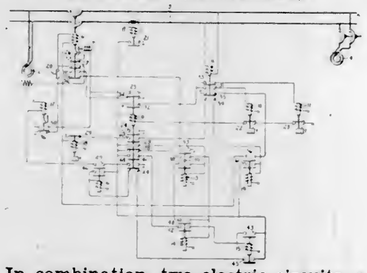
piece engaging substantially all the outer surface of said magnet except a small portion adjacent said opening which is out of contact with said second pole-piece to an extent sufficient to prevent appreciable short-circuiting of the magnet flux, said second pole piece having a portion closely adjacent to the extending portion of said first pole piece to form a working air gap whereby the flux leakage between the poles is minimized.

2,275,881
FAULT PROTECTIVE SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application October 31, 1939, Serial No. 302,180
11 Claims. (Cl. 175—363)



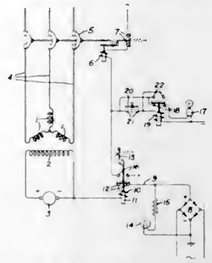
4. In combination, a supply circuit, a load circuit, a plurality of parallel connected translating devices interconnecting said circuits, means for disconnecting a device from said load circuit, a current relay having a winding connected to said supply circuit, means for controlling the connections between said relay winding and supply circuit in accordance with the number of devices connected to said load circuit to vary the ratio between the currents in said relay winding and supply circuit, and means responsive to the operation of said current relay for disconnecting said devices from said supply circuit.

2,275,882
CONTROL SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application October 31, 1939, Serial No. 302,181
16 Claims. (Cl. 175—294)



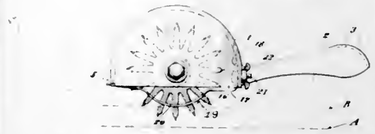
1. In combination, two electric circuits, a circuit breaker interconnecting said circuits, means for opening said circuit breaker, means for reclosing said circuit breaker after different predetermined definite time intervals, and means responsive to the voltage condition of one of said circuits for selectively operating said reclosing means.

2,275,883
GROUND DETECTOR
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 1, 1939, Serial No. 302,387
8 Claims. (Cl. 177—311)



1. In a ground detector for a dynamo-electric machine having an exciting winding energized by a unidirectional current, a source of direct current having one pole grounded, a connection from the other pole of said source to said winding at a point thereof of opposite polarity, and means operative in response to a predetermined flow of current in the circuit including said connection upon the occurrence of a ground on said winding.

2,275,884
MEAT TENDERER
Samuel Barker, Akron, Ohio
Application August 27, 1941, Serial No. 408,539
2 Claims. (Cl. 17—29)

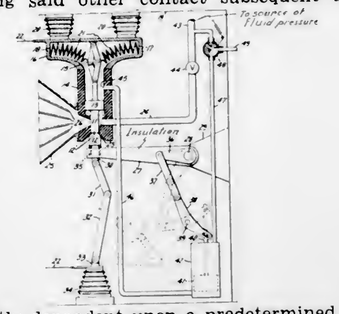


1. As a new article of manufacture, a meat tenderer comprising a hood-like casing provided with parallel straight front and rear edges, a cutting unit on said casing, and a broad single-piece sheet metal guard provided with an integral straight broad rear portion bent up and secured within said hood-like casing against the inner face, said straight front edge provided throughout its length with a series of cut-in notches, said hood guard provided with a series of runner fingers extending from said straight rear portion throughout its entire length, and said runner fingers extending forwardly and freely slidable within said notches on the straight front edge.

2,275,885
ELECTRIC CIRCUIT BREAKER
Percy Bartlett, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application January 30, 1940, Serial No. 316,329
10 Claims. (Cl. 200—148)

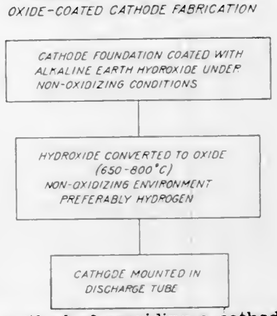
1. An electric circuit breaker including a plurality of relatively movable coacting contacts associated with an arcing chamber, a source of fluid under pressure, means operable by said source of fluid for actuating one of said contacts, means for interconnecting said source of fluid with said arcing chamber to actuate said first-mentioned means and to provide a blast of fluid

for arc-extinguishing purposes, and means for moving said other contact subsequent to and



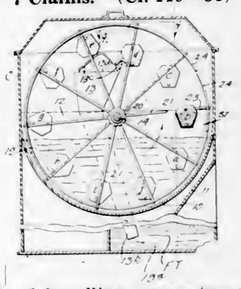
directly dependent upon a predetermined movement of said first-mentioned contact for circuit isolating purposes.

2,275,886
PROCESS OF ACTIVATING CATHODES
Ralph J. Bondley, Scotia, Herman A. Liebhafsky, Schenectady, and Arthur F. Winslow, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application April 30, 1941, Serial No. 391,090
7 Claims. (Cl. 250—27.5)



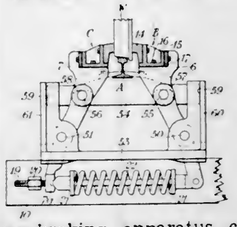
2. The method of providing a cathode with a coating of alkaline earth oxide which consists in applying thereto alkaline earth hydroxide and thereupon dissociating such hydroxide into oxide and water vapor in the presence of hydrogen gas.

2,275,887
FEED HANDLING APPARATUS
Fred K. Chandler, Des Moines, Iowa
Application January 2, 1940, Serial No. 312,045
7 Claims. (Cl. 119—56)



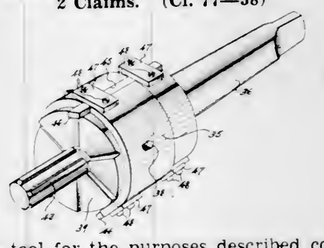
1. In a feed handling apparatus of the character described, a storage trough, a feed trough, and means for lifting a mixture of feed and water from said storage trough and depositing it in said feed trough comprising a rotatable bucket support adapted to revolve in a vertical plane with the lower portion thereof submerged in a mixture of feed and water in said storage trough, a plurality of buckets pivoted thereto, a chute having an intake end adjacent the upper part of said rotary bucket support and a discharge end terminating in said feed trough and means adjacent said intake end of said chute to swing said buckets on their pivotal connections to effect tilting thereof to a position for discharging their contents into said chute, said means comprising a track, and projections from points on said buckets spaced from their pivotal mountings and adapted to coact with said track, said track being shaped to quickly tip said buckets to an inverted discharge position with said buckets remaining inverted until they pass the horizontal plane of the axis of rotation of said bucket support.

2,275,888
RAILWAY BRAKING APPARATUS
Harold C. Clausen, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 21, 1939, Serial No. 280,369. Divided and this application February 14, 1941, Serial No. 378,876
13 Claims. (Cl. 188—62)



1. Railway braking apparatus comprising a support, a cradle guided for vertical sliding movement by said support and provided adjacent each end with a longitudinal slot, a track rail secured to and supported by said cradle, two levers pivoted intermediate their ends on pins slidably mounted in said slots and pivotally attached to said support in such manner that downward movement of said cradle will rotate the upper ends of said levers toward the track rail, and braking bars secured to the upper ends of said levers.

2,275,889
GRINDING TOOL
Richard F. Cleary, Maplewood, N. J.
Original application April 20, 1939, Serial No. 268,868. Divided and this application November 18, 1940, Serial No. 366,030
2 Claims. (Cl. 77—58)



1. A tool for the purposes described comprising, a rotatable carrier body having a forwardly open axial socket, a cylindrical wall face grind-

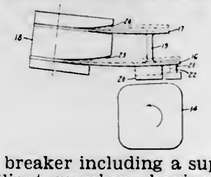
ing member the rearward portion of which is adapted to be secured within said socket, said grinding member having a cutting face at its forward end disposed in a plane perpendicular to the axis of said carrier body, an axial reamer member forwardly projecting from the cutting face of said grinding member, said carrier body having seating channels in its periphery, and wall edge cutters affixed in said channels so as to dispose their effective cutting portions about the periphery of said wall face grinding member and in overhanging relation to the cutting face thereof.

2,275,890

CIRCUIT BREAKER

Reginald T. Coe, Rugby, England, assignor to General Electric Company, a corporation of New York

Application April 18, 1940, Serial No. 330,333
In Great Britain July 17, 1939
3 Claims. (Cl. 200—153)



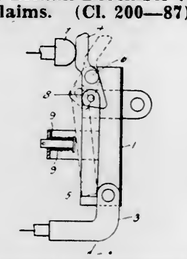
1. A circuit breaker including a support, a plurality of resilient members having fixed ends held by said support, connecting means for rigidly connecting together the relatively free ends of said members, a contact carried by one of said members, a stationary contact adapted to cooperate with said first mentioned contact, means for actuating said members, and means including said support for varying the deflection characteristic of said members as said members are moved by said actuating means.

2,275,891

ELECTRIC CIRCUIT BREAKER

Harold Ernest Cox and Arthur Charles Gibson, Dollis Hill, London, England, assignors to General Electric Company, a corporation of New York

Application December 7, 1939, Serial No. 308,066
In Great Britain December 7, 1938
5 Claims. (Cl. 200—87)



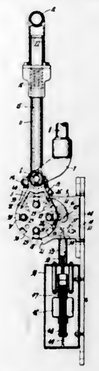
1. An electric circuit breaker comprising two circuit terminals, a contact member for interconnecting said terminals, said contact member comprising a support and two pivotally connected levers thereon forming a toggle and constituting part of a current loop including said terminals whereby under current carrying conditions the loop tends to expand and thereby to produce an increase in the contact pressure between the said contact member and at least one of said circuit terminals, and means for operating said contact member between open and closed circuit positions.

2,275,892

OPERATING MECHANISM

Phillip M. Engel, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application August 27, 1941, Serial No. 408,427
7 Claims. (Cl. 188—69)



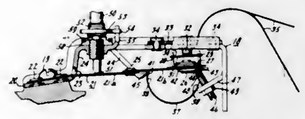
1. In locking apparatus for a switch-operating mechanism having a rotatably mounted member, means for holding said member in a predetermined angular position comprising a rotatably mounted element, means for positively turning said element into and out of engagement with said member comprising a device normally biased for movement in one direction from an initial position to a final position and slidably engageable with said element during said movement to turn the element in a direction to cause it to engage and hold said member and movable in the opposite direction from said final position to said initial position positively to release said element from said member, and means for effecting the movement of said device from said final position to said initial position.

2,275,893

CONTROL DEVICE

Wallace J. Ettinger, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application April 17, 1940, Serial No. 330,085
12 Claims. (Cl. 200—139)



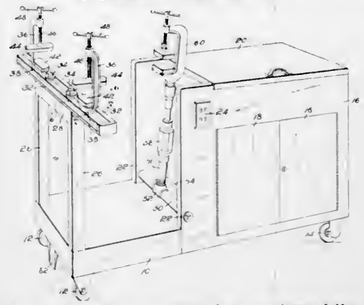
1. In a temperature control device, a rigid supporting frame, a relatively thin compound bimetal blade element having one end fixed to said frame and its opposite end free to move, a resilient member for causing said bimetal blade to be moved quickly and with a snap action, means for pivotally mounting one end of said resilient member on said bimetal blade, relatively rigid means extending downwardly from said frame for pivotally supporting the opposite end of said resilient member, said last mentioned means being constructed and arranged so that said resilient member exerts a longitudinal force on said blade tending to stiffen said blade, and control means associated with said blade so as to perform a controlling function in accordance with the snap action movement thereof.

2,275,894

APPLIANCE FOR USE IN REPAIRING AUTOMOBILE BODIES

William H. Ferguson, Flint, Mich.

Application March 27, 1940, Serial No. 326,299
6 Claims. (Cl. 29—89)



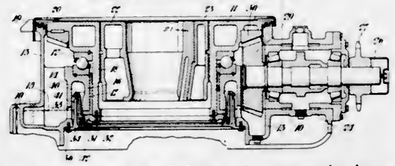
1. A device for positioning automobile body parts while they are being worked upon comprising a base adapted to support strain, a standard arising at one end thereof, a rigid transverse beam supported by the standard having edge-receiving clamps, means adjustably mounting the clamps for sliding movement along the beam, and an adjustably movable positioning element at the opposite end of the base having clamping means providing in cooperation with the clamps of the beam for positioning a door or the like by three point suspension in opposition to the base, said base having a strain-supporting surface of substantial area and of sufficient rigidity to sustain the reaction of a tool that is adapted to be applied at selected locations between the base and the supported door or the like.

2,275,895

OIL BATH ROTARY

Sergius C. Fietinghoff, Los Angeles, Calif., August R. Maier, Dallas, Tex., and Cyril F. Van Loozen, Los Angeles, Calif., assignors to Oil Well Supply Company, a corporation of New Jersey

Application January 11, 1940, Serial No. 313,456
5 Claims. (Cl. 184—6)



1. In a rotary, a lubricant reservoir in said rotary, means in the rotatable member for receiving oil, and a stationary member removably attached to said rotary in cooperative relationship with said rotatable member for returning oil from said receiving means to said reservoir, said members having coacting sealing means thereon preventing ingress of foreign substances between said members.

2,275,896

CONTAINER AND METHOD OF MAKING THE SAME

William J. Geist, Richmond Heights, Mo.

Application April 20, 1939, Serial No. 268,900
5 Claims. (Cl. 229—51)

1. A container comprising a tubular body having spaced circumferential cuts dividing it into end sections and a removable strip between the end sections, a tubular liner fitted in the body, heads seamed to the opposite ends of the body and sealing with the ends of the liner, and an outer frangible covering member secured to the outer surface of the body to connect the end sections and scored to break adjacent said cuts when the strip is removed, there being aligned cuts in the strip and covering member generally transverse of the first named cuts providing a tab engageable for the purpose of removing the strip.

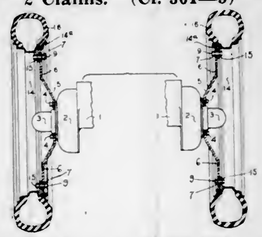


2,275,897

REVERSIBLE TRACTOR WHEEL CONSTRUCTION

Clayton E. Gifford, Marion, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application September 14, 1937, Serial No. 163,814
2 Claims. (Cl. 301—5)



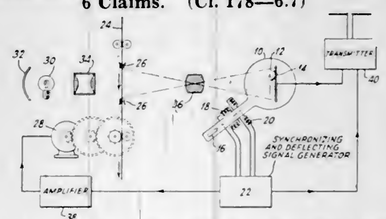
2. In combination, a wheel hub, an annular rim supporting member having an inner portion adapted to be mounted in either of two reversed positions on said hub, the outer portion of said member being axially offset from said inner portion, and a rim adapted to be mounted in either of two reversed positions on either side of said member.

2,275,898

MICROFACSIMILE SYSTEM

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 22, 1939, Serial No. 291,296
6 Claims. (Cl. 178—6.7)



1. A micro-facsimile system comprising means for producing a series of picture signals representative of the subject matter to be transmitted, means for moving the subject matter through the transmitter at a uniform relatively slow rate, means for producing horizontal and vertical synchronizing signals, means for rapidly

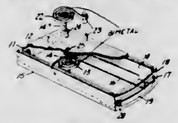
and cyclically scanning substantially each element of the subject matter to be transmitted at a relatively rapid rate in bi-dimensional directions so that each element of the subject matter is scanned a relatively large number of times during its passage through the transmitter to produce the series of picture signals, a receiver responsive to the series of picture and synchronizing signals, means for transmitting the series of picture signals and the horizontal and vertical synchronizing signals from the first named means to the receiver, means at the receiver for rapidly and cyclically reproducing a correspondingly large number of light images of the subject matter, a light responsive recording medium at the receiver, means for projecting the produced light images on the recording medium in minified form, and means for continuously moving the recording medium through the receiver at a uniform relatively slow rate commensurate with the rate of movement of the subject matter through the transmitter, whereby a microfacsimile recording of the subject matter may be produced on the recording medium.

2,275,899

THERMAL DEMAND ATTACHMENT FOR METERS

William D. Hall, Elkins, W. Va., assignor to General Electric Company, a corporation of New York

Application November 9, 1939, Serial No. 303,637
4 Claims. (Cl. 171—34)



1. In combination, a watthour meter structure, a casing therefor having a cup-shaped glass cover, a terminal chamber extending beneath the rear portion of said casing, connections for said meter including terminals in the terminal chamber connected to meter terminals in the lower back portion of said casing, a thermal demand measuring device within said casing comprising a U-shaped heater strip supported on and connected in series relation with said meter terminals, a bimetallic spiral heated by said heater strip, an enclosure for said strip and spiral, a second bimetallic spiral subject to the ambient temperature within said casing, a shaft connecting and supported by said spirals arranged to be rotated by the resultant opposed torques of said spirals in response to their temperatures, and a demand indicator visible through the glass cover from the front thereof rotated by said shaft.

2,275,900

WELDED BALL PANEL FASTENER

Ralph W. Hall, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a corporation of Ohio

Application May 31, 1940, Serial No. 338,188
12 Claims. (Cl. 45—138)



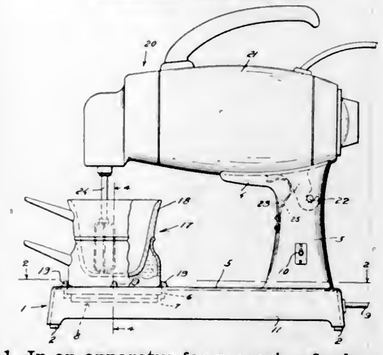
1. An upholstery assemblage including a body panel including a support face having a series of spaced sockets therein, each socket including a substantially fixed wing and a yieldable wing both struck from the material of the body panel and located in opposed relationship to one another initially within the plane of said body panel, each wing including opposed sides and a free end, the free adjacent ends of the wings of each socket being spaced apart for defining a central opening, a finish panel for application to said support face, a series of spaced anchorage elements secured to and projecting outwardly from said finish panel, each anchorage element comprising a substantially non-deformable spherical ball like member the diameter of which is greater than the distance between adjacent free ends of the wings of a socket, each ball member adapted to be introduced through the central opening of a socket to be releasably engaged by the wings thereof.

2,275,901

APPARATUS FOR PREPARING FOODS

Willie Georginia Harwood, Dickinson, Tex., assignor of one-half to Henry Redman Harwood

Application November 2, 1940, Serial No. 364,077
3 Claims. (Cl. 219—43)



1. In an apparatus for preparing foods, a base having a standard rising therefrom and provided with a transverse rod and a seat above said rod, a mixing device engaging said seat and provided with means engageable with said rod for detachably securing the mixing device in engagement with said seat, said base, remote from said standard, having an opening therein to accommodate an electric heating unit and a downwardly depending flange at the edge of the base defining said opening, a shield of heat-insulating material mounted on the base at a point spaced downwardly from the top of the base and substantially in alignment with said opening to provide a rest for an electric heating unit placed within said opening, and supporting means mounted on said base for said shield and including means extending upwardly through the shield for engagement with an electric heating unit placed within said opening to secure the same in a position of rest above said shield.

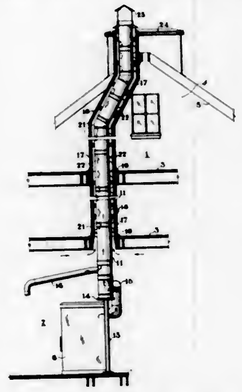
2,275,902

OUTLET STACK CONSTRUCTION FOR BUILDING HEATING SYSTEMS

Henry Hasenburger, Newark, N. J., and Harvey Wiley Corbett, New York, N. Y., assignors to Prebilt Housing Corporation, New York, N. Y., a corporation of Ohio

Application August 22, 1940, Serial No. 353,706
3 Claims. (Cl. 72—93)

1. An outlet stack assembly for building heating systems, comprising a vertically disposed pipe column composed of a plurality of relatively separable communicating duct sections, the latter having interfitting end portions, means for securing said interfitting end portions in connected relationship, a protective jacket spaced from and surrounding said pipe column, said jacket being composed of relatively spaced inner and outer conduit sections, bow spring spacers carried by the inner conduit sections and engaging with the duct sections of said column, and complemental bow spring spacers disposed between the inner and outer conduit sections.

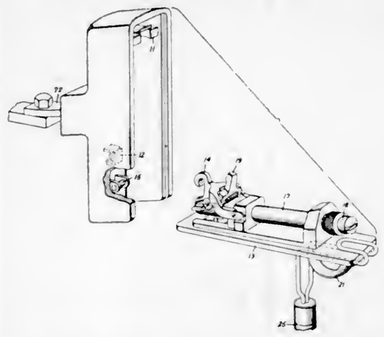


2,275,903

MAINTENANCE TOOL

Benjamin R. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York

Application April 30, 1941, Serial No. 391,171
5 Claims. (Cl. 294—19)



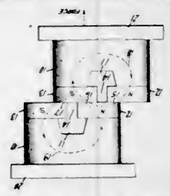
1. A maintenance tool for removing and attaching covers of fuse cutouts and the like devices having an operating eyelet extending outwardly from the surface of the cover, said tool comprising an operating handle, a hook mounted on the end of said handle having a portion extending substantially at a right angle with respect to the axis of said handle for hooking over the upper end of the cutout cover in the opened position thereof and a pair of spaced portions for engaging with said cover on the opposite sides of said eyelet.

2,275,904

MAGNET STRUCTURE

Goodwin H. Howe, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 19, 1939, Serial No. 310,014
4 Claims. (Cl. 175—367)



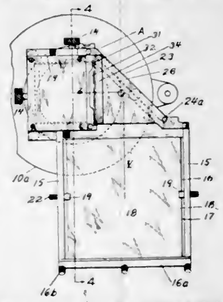
1. In combination, a first permanent magnet structure of substantially U-shape cross section having a magnet body of relatively high coercive force material and pole pieces composed of relatively low coercive force material having a permeability substantially greater than that of the magnet body, said pole pieces forming pole faces of opposite polarity, and a second permanent magnet structure of substantially U-shape cross section having a magnet body of relatively high coercive force material and pole pieces composed of relatively low coercive force material having a permeability substantially greater than that of the magnet body, said pole pieces forming pole faces of opposite polarity, said magnet structures being arranged with their pole faces in opposed relation in such a manner that a pole face of one polarity of said first permanent magnet is in contact with both of the pole faces of said second permanent magnet and the pole face of opposite polarity of said first permanent magnet is in contact with the pole face of like polarity of said second permanent magnet, the aforesaid pole pieces being of substantial thickness.

2,275,905

IMAGE REVERSER FOR CAMERAS

William C. Huebner, New York, N. Y.

Application February 27, 1940, Serial No. 321,014
3 Claims. (Cl. 88—74)



1. An image reverser for straight line cameras comprising, in combination: housing means; an optical system consisting of a series of three reflecting mirrors of progressively increasing area disposed in said housing means, said housing means being apertured to engage a camera lens barrel; means for mounting the smallest mirror closely facing the lens and intersecting the lens axis at about forty-five degrees when the lens axis is horizontal; means for mounting the intermediate size mirror in a position displaced laterally from but facing the smallest mirror and

parallel to the lens axis; and means for mounting the largest mirror facing the intermediate mirror at an angle of about forty-five degrees to the lens axis, said several mounting means for said mirrors being also such that, when the smallest mirror intersects the horizontal lens axis at about forty-five degrees and is positioned in a vertical plane, said intermediate mirror is positioned at an angle of about forty-five degrees to the vertical and the largest mirror at an angle of about forty-five degrees to the vertical.

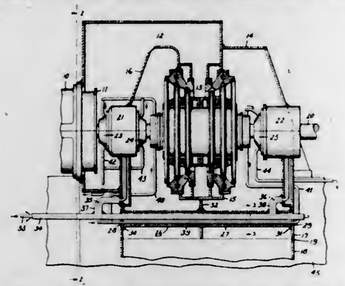
2,275,906

ELASTIC FLUID TURBINE ARRANGEMENT

Sidney O. Huntington, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 28, 1939, Serial No. 311,340
3 Claims. (Cl. 253—39)

1. Elastic fluid turbine arrangement compris-



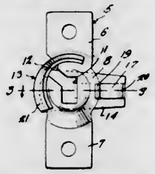
ing a foundation, a double-flow turbine having a shell and an exhaust hood substantially surrounding the shell and having a portion enclosed in the foundation, shaft bearings located near opposite ends of the hood, an oil supply and drain system including piping for the bearings, and a conduit extending between opposite ends of the enclosed portion of the exhaust hood to form a channel for accommodating part of said piping.

2,275,907

SHADE ROLLER BRACKET ATTACHMENT

Joseph N. Kahn, Hollis, N. Y.

Application June 25, 1940, Serial No. 342,393
4 Claims. (Cl. 248—267)



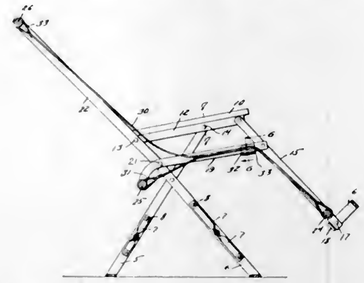
4. A shade roller bracket comprising a substantially circular body having bevelled side walls, said body being formed with a transverse slot opening through one edge of said body, a removable slot guard comprising a bar engaged across the wider end of said body, a lateral arm formed on said bar adjacent one end of said bar, said lateral arm being curved to substantially conform to the curvature of the sidewall of said body and extend across the open end of said slot, and a spring detent adjacent the opposite end of said bar, said spring detent being tensioned to engage the side wall of said body opposite said lateral arm for holding the guard in place, said spring detent comprising a spring tongue defined by longitudinal slits formed in said bar, said tongue having a part deflected to the same side of said bar as said lateral arm, said part being deflected at an acute angle to conform to the bevel of the sidewall on said body whereby said plate is held engaged with the wider end of said body.

2,275,908

RECLINING CHAIR

George Kelly, Burgettstown, Pa., assignor of one-fourth to William W. Lyons, and one-fourth to Benjamin Kobe, both of Burgettstown, Pa., and one-eighth to I. C. Bloom, and one-eighth to George I. Bloom, both of Washington, Pa.

Application April 1, 1941, Serial No. 386,347
2 Claims. (Cl. 155—106)



1. A reclining chair comprising side supports, an arm structure for each of the supports, a pair of back supporting bars, a pair of seat bars to which the lower ends of the back bars are pivotally secured, a pair of front bars pivotally secured at their upper ends to the forward ends of the arm members, a foot rest at the lower ends of the front bars, the forward ends of the seat bars being pivotally secured to intermediate portions of the front bars, a cross bar bridging the seat bars adjacent the forward ends thereof, and a flexible strip extending downwardly from the upper ends of the back bars and across the cross member and down to the lower ends of the front bars, a removable roll at the upper ends of the back bars over which the upper end of the strip is secured, and a roll at the lower end portions of the front bars over which the lower end of the flexible strip is disposed, said strip having a backwardly disposed portion extending from the lower roll and over the cross member, and a roll bridging the rear ends of the seat bars and over which the terminal of the last-mentioned portion is disposed.

2,275,909

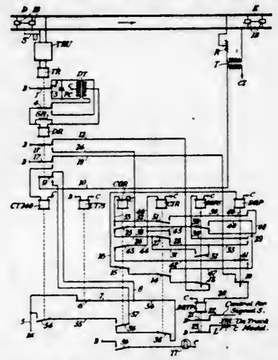
TRACKWAY APPARATUS FOR AUTOMATIC TRAIN CONTROL

Ralph R. Kemmerer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,243
8 Claims. (Cl. 246—63)

1. The method of making a test of automatic train control equipment at speed which comprises, establishing a first time interval during which cut-in code is supplied to the train for cutting in the train control equipment and providing a cab signal indication that code is being received, establishing a second time interval of no code for enforcing acknowledgment and brake suppression, and establishing a third time

interval during which a second code is supplied to the train for cutting out said train control equipment and lifting speed restrictions, said



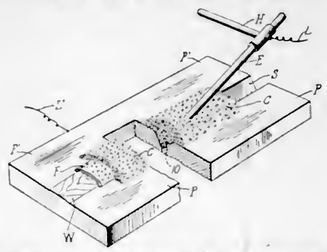
three time intervals following one another automatically and in proper sequence once the train passes a given point in the trackway.

2,275,910

METHOD OF WELDING

Harry E. Kennedy, Berkeley, Calif., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 29, 1940, Serial No. 337,830
6 Claims. (Cl. 219—10)



1. A method of welding which comprises depositing molten metal from a bare electrode onto a metal workpiece under a deep blanket of unfused mineral-like material and through a conductive layer of fused mineral-like material by passing an electric current through said electrode, conductive layer and workpiece while maintaining said electrode at an acute angle to said workpiece and substantially free from translatory movement along the line of deposition, and, by varying the angle at which the electrode is held with respect to the workpiece, adjusting the distance between the fusing end of said electrode and the workpiece in accordance with changes in the voltage drop between said electrode and workpiece.

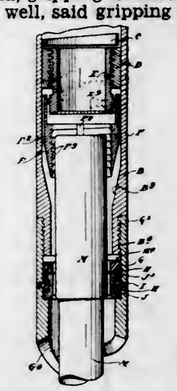
2,275,911

RETRIEVER TOOL

Franklin L. Le Bus, Longview, Tex.

Application February 14, 1941, Serial No. 378,842
3 Claims. (Cl. 294—102)

1. A fishing tool comprising a body of three sections, threadedly engaged one with the other; said tool including an assembly of parts comprising a releasing nut, a spring for providing pressure on the nut, a hollow sleeve threadedly engaged with the releasing nut and including teeth on its lower end, gripping members for engaging an object in a well, said gripping members being



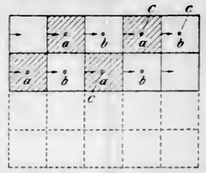
loosely engaged with said sleeve, and means for effecting a rotation of said releasing nut with said sleeve to raise and lower said sleeve and gripping members in the gripping and releasing of an object in a well.

2,275,912

SYSTEM OF WORKING BEDLIKE DEPOSITS, PARTICULARLY THICK BEDS OF LIGNITE AND MINERAL COAL

Karl Lehmann, Essen, Ruhr, Germany

Application June 6, 1940, Serial No. 339,146
In Germany April 13, 1939
9 Claims. (Cl. 262—1)



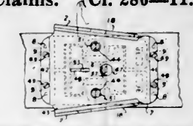
1. The method of working an underground area, which consists in dividing the area into sections of substantially equal size which are arranged in tiers and rows, sub-dividing each section into corresponding parts, subdividing the corresponding parts of each section into working sections, simultaneously working correspondingly spaced working sections of corresponding parts of alternate sections in each tier and row, and then working the remaining working sections.

2,275,913

SKI BINDING

Robert E. Leith, Seattle, Wash.

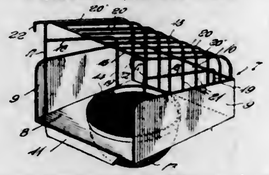
Application April 9, 1940, Serial No. 328,603
14 Claims. (Cl. 280—11.35)



1. In a ski binding including a base plate adapted to be secured to a ski, a pair of coacting and relatively movable toe engaging holding members each including a laterally extending portion slidably engaging said base plate and presenting spaced locking surfaces, a pair of relatively mov-

able locking members disposed on said base plate and presenting spaced locking surfaces extending adjacent and in opposed relation with respect to the locking surfaces on the holding members, and one of said pair of relatively movable locking members being fixed on said base plate, means for effecting a relative movement of said locking members sufficient to forcibly engage the opposed locking surfaces on the locking and holding members and for rendering the forcible engagement of said locking surfaces operative to prevent an accidental releasing movement of the means effecting said relative movement comprising a fixed cam engaging surface disposed in opposed relation with respect to an edge portion of the movable one of said pair of locking members so as to define therewith an enclosure adapted to receive an angularly movable cam, and a cam disposed on said base plate within said enclosure and having an upward facing slot adapted to receive an instrument for effecting an angular movement of said cam relative to said fixed cam engaging surface and relative to said edge portion.

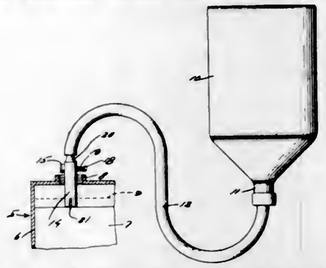
2,275,914
BIRD NEST HOLDER
George Loremz, Yonkers, N. Y.
Application January 11, 1941, Serial No. 374,123
1 Claim. (Cl. 119—45)



A bird nest holder comprising a body formed from sheet material and including a bottom and solid side walls and a solid end wall rising from edges of the bottom, the bottom being formed with an opening, a cup fitted downwardly through the opening and having an outstanding collar about its upper end for resting on the bottom about the opening therein and supporting the nest through the opening, a frame over the body having a forward yoke of inverted U-shape extending transversely of the frame with its arms secured to the side walls of the body, bracing rods extending rearwardly from the arms of said yoke with their rear portions bent downwardly, and secured against the side walls of the body, strands spaced transversely from each other and bent to form a top wall and rear wall for the frame, said strands having their front ends secured to the bridge of the yoke and their downwardly extending rear portions secured against the rear wall of the body, certain of said strands having their front end portions projecting forwardly from the yoke and bent to form hooks for engaging portions of a cage wall and detachably mounting the nest holder against the cage wall in enclosing relation to an opening therein, and a tongue along the front edge of the bottom sloping downwardly and forwardly for extending through an opening in the cage wall and resting upon the lower edge of the opening.

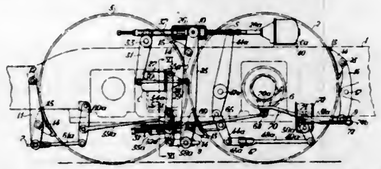
2,275,915
DISPENSING APPARATUS
Donald B. McDonald, Quitman, Ga.
Application December 19, 1940, Serial No. 370,875
1 Claim. (Cl. 226—19)

In a battery filling device, a nozzle having a flat outer end for resting upon the upper edge of a battery plate, the nozzle being of elongated form to extend above the top of the battery when the nozzle is placed through the filling hole of the battery with the outer end of the nozzle resting on said plate, said end of the nozzle having an elongated longitudinally extending slot therein which passes through the outer end, said slot determining the height, along the nozzle, to which the liquid may be admitted into the battery, a laterally extending tubular boss on the



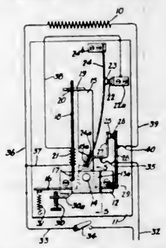
upper part of the nozzle and located above the filling opening of the battery when the nozzle is resting on the battery plate, a valve member passing across the nozzle for closing the same and said valve member fitting in the boss when moved to open position, a shank on the valve member passing through a hole in the nozzle and having a head on its outer end and a spring encircling the shank and having one end bearing against the head and the other end against a part of the nozzle for holding the valve in closed position.

2,275,916
BRAKE MECHANISM
Emil G. Mueller, Swissvale, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application January 31, 1941, Serial No. 376,786
16 Claims. (Cl. 188—46)



1. In a brake mechanism for a railway vehicle having a pair of wheels which are permitted to move laterally relative to the vehicle frame to facilitate the negotiation of curves by the vehicle and a member which moves laterally with the wheels, the combination of a system of operatively connected brake elements including a pair of vertically disposed supporting levers pivotally mounted intermediate their ends at the forward side of each of said wheels and provided at their upper ends with a brake shoe movable into and out of braking engagement with the associated wheels by rotation of the levers about their pivots, a brake beam pivotally connected with and supported by the lower ends of said levers and movable between a brake applying and a brake releasing position, the levers of each pair being free to rock about their pivots in directions transverse to the vehicle through a sufficient distance to permit the brake shoes to align with the wheels in any lateral position to which the wheels are free to move, and means connecting said brake beam with said member and effective to move said brake beam laterally in a direction opposite to the wheels in response to lateral movement of the wheels to maintain the brake shoes in lateral alignment with the wheels.

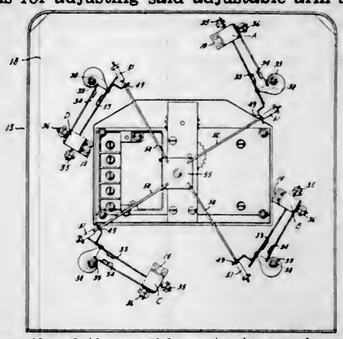
2,275,917
CONTROL DEVICE
Heber L. Newell, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 25, 1940, Serial No. 331,583
14 Claims. (Cl. 200—122)



11. An adjustable circuit controller for controlling the wattage output of the heating circuit in small increments between zero and a maximum output comprising a support, a bimetallic element having one end fixed to said support and its opposite end free to move, a bracket pivotally mounted on said support and operatively associated with the free end of said bimetallic element so as to be moved about its pivot point in accordance with deflection of said free end, contact means for controlling said heating circuit, means for supporting a portion of said contact means on said bracket so as to be moved thereby, a second bracket pivotally mounted on said support, means for supporting the remainder of said contact means on said second braket, an auxiliary heater element adjacent said bimetallic element for heating the same, a pair of contacts for controlling said auxiliary heating element, means for causing said auxiliary contacts to be periodically snapped open and closed in accordance with movement of said bimetallic element, and means for adjusting the position of said second mentioned bracket so that the point at which said contact means are moved from a circuit closing to a circuit opening position in the heating of said bimetallic element and from the circuit opening to the circuit closing position during the cooling of said bimetallic element may be varied to vary the per cent of time said heating circuit is energized during the oscillatory movement of said bimetallic element.

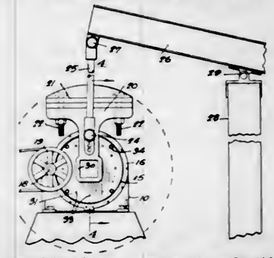
2,275,918
CONTROL DEVICE
Heber L. Newell, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application May 17, 1940, Serial No. 335,792
5 Claims. (Cl. 200—32)

1. Electric circuit controlling apparatus comprising a motor, a crank driven by said motor, a plate connected to said crank so as to move with a rotary motion about an axis displaced from the axis of said motor, cooperating switch contacts supported respectively on an adjustable switch arm and an oscillatable switch arm, means for connecting and oscillatable switch arm to said disk so that said arm is oscillated in accordance with rotation of said disk and said contacts are thereby periodically opened and closed, and means for adjusting said adjustable arm so that



the length of time said contacts are in engagement in the cycle of movement of said oscillatable arm may be varied.

2,275,919
CRANK BALANCED UNIT
Edgar W. Patterson, Long Beach, Calif.
Application November 27, 1940, Serial No. 367,348
12 Claims. (Cl. 74—591)

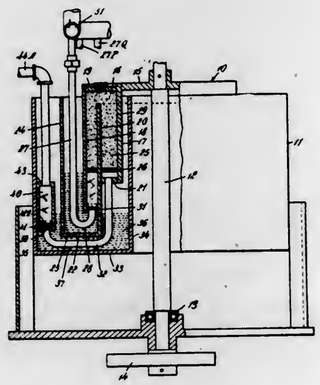


1. In combination, a speed reduction unit including a shaftless ring-shaped low speed member, and a support therefor in peripheral bearing engagement therewith, crank arms at opposite sides of said unit, means extending through said low speed member and rigidly connecting the inner ends of the two crank arms to each other, and means normally rigidly connecting said first named means to, and within, the low speed member.

2,275,920
CATALYTIC REACTOR
Harry L. Pelzer, Houston, Tex., and Willis S. Gullette, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application March 27, 1940, Serial No. 326,198
12 Claims. (Cl. 23—288)

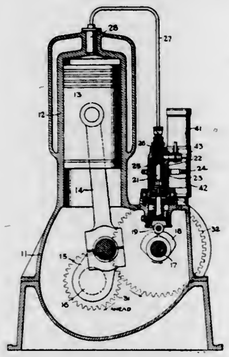
12. In apparatus for rotating a catalytic mass successively through a series of zones sealed from each other, the combination which comprises a carrier chamber rotatably mounted on an upwardly extending axis and divided into segments by partitions extending outwardly from said axis, catalyst disposed in the segments, a first annular liquid seal disposed substantially horizontally and coaxialy with the carrier chamber and mounted on the periphery thereof, an annular baffle in said first seal, a pool of liquid in the first seal extending above and below the lower edge of the baffle and a conduit for passing gas into the segments projecting through the seal and having an open end adjacent the partitions of the carrier chamber, said annular baffle being attached to the carrier chamber and directing gas

leaving the open end of the conduit into the segments, a second annular liquid seal comprising a stationary pan disposed coaxially with the carrier chamber, a second annular baffle in a substantially fixed relationship to the pan of the second annular liquid seal, and a pool of liquid



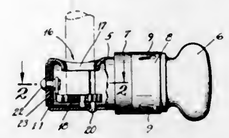
extending above and below the lower edge of said baffle, a plurality of outlet conduits communicating with the respective segments of the carrier chamber, said outlet conduits projecting into the pool of liquid of the second annular liquid seal and passing under the second annular baffle.

2,275,921
REVERSING GEARS FOR DIESEL ENGINES
George E. Ramstad, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 1, 1940, Serial No. 349,271
11 Claims. (Cl. 123—41)



1. The combination of an engine of the fuel injection type having a crank shaft, a cam shaft provided with fuel injection cams and fuel injecting means operated by said cams; a drive train from the crank shaft to the cam shaft including a controlling member which when rotated changes the angular relationship between the cam shaft and the crank shaft to establish forward and reverse running conditions as to the timing of fuel injection, and also to modify the lead of such injection; a reversing member shiftable full stroke between a forward running position and a reverse running position; a driving connection between said reversing member and said controlling member through which full stroke motion of the reversing member rotates the controlling member sufficiently to establish selectively said reverse running conditions, said driving connections including a displaceable component so arranged that its displacement rotates said controlling member through a lead adjusting range; a reversible motion transmitting mechanism, connected with said reversing member so as to be reversed by full stroke motion thereof, and connected with said displaceable component to actuate the same; and a lead adjusting device connected to actuate said reversible motion transmitting mechanism, and through it to actuate said displaceable component in relatively reverse senses in the forward and reverse positions of said reversing member.

2,275,922
CIGAR LIGHTER
John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application October 12, 1939, Serial No. 299,046
1 Claim. (Cl. 219—32)

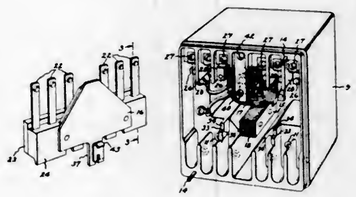


A detachable lighter comprising a hollow casing provided with an opening in its side wall at one side of the axis of the casing through which an article to be lighted may be passed into contact with a heating element, a heating element within the casing located opposite said opening on the opposite side of the axis of the casing, and an inwardly directed flange surrounding said opening, said flange being conical with its wall converging inwardly, the diameter of the inner end of said flange being just slightly larger than the article to be lighted, the said heating element being in the form of a disk and the inner end of said flange and said heating element being arranged in parallel planes.

2,275,923
DERIVATIVES OF FURFURAL AND METHOD OF MAKING
Henry L. Ross, New York, and Alfred W. C. Wroblewski, Bronx, N. Y.
No Drawing. Application December 29, 1939, Serial No 311,660
11 Claims. (Cl. 260—152)

1. A composition of matter comprising a compound selected from the group consisting of nitro, amino, diazonium and mono-azo derivatives of a condensation product of furfural with a cyclic compound selected from the group consisting of phenolic materials, aryl amines, and furfural, the mono-azo derivative being the product of coupling of the diazonium derivative of the condensation product with an aromatic coupling agent.

2,275,924
ELECTROMAGNETIC DEVICE
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application April 12, 1939, Serial No. 267,434
10 Claims. (Cl. 200—87)

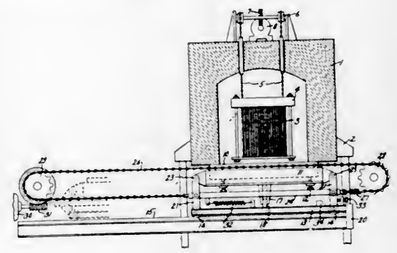


1. An electromagnetic device comprising a magnetic member having two polar projections, two L-shaped supports positioned below one of said polar projections and spaced from each other and from said member with their openings toward said one of said polar projections, and a cooperating armature member pivoting directly and solely on said supports and in the attracted position abutting said supports and said one of said polar projections.

2,275,925

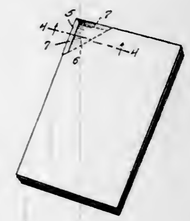
WITHDRAWN

2,275,926
REMOVABLE BOTTOM FURNACE
Ernest A. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 29, 1941, Serial No. 390,933
4 Claims. (Cl. 263—40)



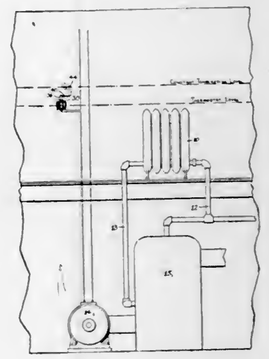
1. The combination with a furnace having side walls and a removable bottom comprising a track extending horizontally beneath the furnace, a carriage thereon including relatively movable upper and lower members, said upper member supporting said bottom, force applying means for moving said carriage horizontally on said track, a stop for limiting said horizontal movement of the lower member of said carriage, and means responsive to a continued application of force by said means after the lower member has reached said stop for raising said upper member to bring said bottom into engagement with the side walls of the furnace.

2,275,927
PAPER FASTENER
Joseph F. Thomas, Jefferson City, Mo.
Application June 7, 1941, Serial No. 397,119
4 Claims. (Cl 281—21)



1. A paper fastener fashioned with a body portion having a pair of angularly extending edges formed with coextending flaps overlying opposite sides of said body portion and with said flaps connected to coincident corners of a pair of sheets respectively disposed one on each side of said body portion thereby permitting one sheet to be hinged away from the other on either a vertical or horizontal axis.

2,275,928
TEMPERATURE CONTROLLING SYSTEM AND APPARATUS
Laurence E. Topham, Wenham, Mass.
Application August 16, 1933, Serial No. 685,367
23 Claims. (Cl. 236—46)



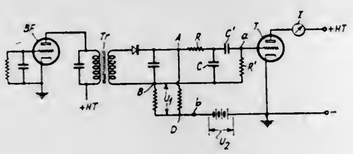
17. In a control system for maintaining in a space a substantially uniform temperature in the vicinity of the conventional five foot level despite inherent variations in vertical temperature

gradient by reason of changes in heat dissipation, a thermostat for controlling the admission of heat to the space having temperature-droop characteristics at increased heat rates, said thermostat being positioned below said conventional level a distance such that the inherent change of temperature at the thermostat level as the heat dissipation changes is substantially equal to the temperature droop characteristics of said thermostat for the same change in heat dissipation.

2,275,929
IRON BLUE PIGMENT
Paul A. Thomasset, St. George, Staten Island, N. Y., assignor to Ansbacher Siegle Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 15, 1939, Serial No. 304,547
1 Claim. (Cl. 106—304)

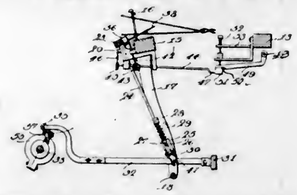
A process for making alkali-resisting iron blues which comprises dissolving in water at about 30° C. ferrous sulphate, ammonium sulphate and sulphuric acid; adding thereto free sodium sulphate in aqueous solution; then reacting said solution with a solution of sodium ferrocyanide in water, thus forming a white precipitate; raising the temperature of the precipitate to about 75° C. and adding a solution of nickel sulphate to said precipitate and oxidizing the mass to a blue color by the addition of sulphuric acid and an aqueous solution of sodium chlorate.

2,275,930
CALL SELECTOR
Emile Torcheux, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application March 9, 1939, Serial No. 260,762
In France March 11, 1938
6 Claims. (Cl. 250—27)



6. In a signaling circuit receptive of intermittent signals and adapted to be operated only by a signal impulse having a duration between two predetermined limits, a signal length measuring device comprising an electrical circuit having a characteristic such that a constant amplitude input voltage produces an output voltage first increasing as a function of the time, and then decreasing after passing through a predetermined maximum, means for applying to the input of said circuit a voltage responsive to signals, means for deriving the said output voltage by the superimposition on the input voltage of three auxiliary voltages, also responsive to signals, one of them of constant amplitude and of opposed sense to said input voltage, capacitors across which the two other of said voltages are developed as a function of time, one of them subtractively with a suitable retardation, and means for causing said signaling circuit to respond only to voltages exceeding a predetermined value and inferior to said maximum.

2,275,931
STOP MOTION FOR LOOMS
Kostantinos Vasilopoulos, Holyoke, Mass.
Application June 11, 1941, Serial No. 397,612
3 Claims. (Cl. 139—376)



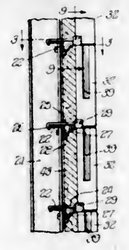
1. A stop motion for looms comprising a grid device constructed to lie under the path of the filler thread, a feeler constructed to coengage a filler thread laid over the grid, and including members spaced alternately with those of the grid for entry therebetween when not opposed by an interposed thread, means to reciprocate the feeler from a position spaced above the grid to a position therebelow passing through the grid, and means to reciprocate the feeler including a yielding means yieldable to opposition of a thread interposed between the grid and feeler, means to stop a loom, means responsive to full stroke movement of the feeler to control the operation of the means to stop a loom, said means to operate the feeler consisting of a split collar constructed for mounting on a rotary shaft, a cam member consisting of an elongated curved member pivoted at one end on the collar, its swinging end being movable toward and away from the axis of the shaft, and having a clearance under its pivoted end, a lever having a wiper yieldingly loaded and constructed to lie with the wiper alined with the space under the cam pivot, and a link connection with the feeler.

2,275,932
NECKTIE
Emilio E. Vecchi, Des Moines, Iowa
Application April 11, 1938, Serial No. 201,333
2 Claims. (Cl. 2—146)



1. In a necktie, a center strip of strengthening material, an intermediate strip of flexible material having a width greater than the width of said center strip with its side marginal edge portions folded around said center strip and with its marginal side edges terminating in substantially the same plane and spaced a substantial distance apart, and a unitary seamed decorative cover embracing said center and said intermediate strip with its seam disposed between the spaced apart marginal edges of said intermediate strip; the space between the marginal edges of said intermediate strip accommodating the overlapping edges of said unitary outer decorative covering at its seamed line.

2,275,933
FURNACE WALL
Nels E. Werner, Detroit, Mich., assignor to Bigelow-Liptak Corporation, Detroit, Mich., a corporation of Michigan
Application January 29, 1940, Serial No. 316,137
11 Claims. (Cl. 72—101)



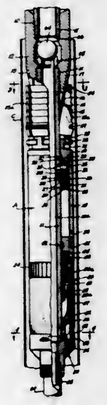
1. In a furnace-wall of the type having a metal-frame-work, including horizontal vertically-spaced metal-bars, metal-brackets mounted on said bars and projecting inwardly of the furnace, a tile-wall including sustaining-tiles and other tiles supported solely thereby, said sustaining-tiles being arranged in spaced-apart upright rows of single-tiles, said supported-tiles being arranged in single upright rows between said sustaining-tile rows and mounted on and solely supported thereby, each said bracket having the lower end of one of said sustaining-tiles mounted on and carried thereby and also retaining in position the top portion of the next lower sustaining-tile of the upright row, the novel features being that each said bracket has at its inner end a pair of opposed oppositely-arranged arms unitedly partially enclosing a space open both at the top and bottom of said arms, the bottom portion of each such sustaining-tile having a rib fitted in the upper part of said space of its bracket, each such sustaining-tile at its top having an upstanding rib occupying the lower portion of said space of the next higher bracket.

2,275,934
NOVELTY SIGN
Samuel F. Arbuckle, Highland Park, Mich., assignor, by mesne assignments, to S. F. Arbuckle Management Corporation, Detroit, Mich., a corporation of Michigan
Application April 9, 1937, Serial No. 135,845
2 Claims. (Cl. 40—135)



2. A reflecting element including, in combination, a base member, a plastic substance on the surface of the base member, a foil sheet disposed on said plastic substance, an opaque mat applied to said foil, embossed areas in the shape of an indicium formed in said assembled mat, foil, and plastic material, the portion of the mat covering said indicium being removed to expose the embossed foil areas in the shape of said indicium.

2,275,935
WELL PACKER APPARATUS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Los Angeles, Calif., a corporation of California
Application May 6, 1940, Serial No. 333,491
36 Claims. (Cl. 166—12)



1. A well packer, including a body, expander means carried by said body, slips cooperable with said expander means for anchoring said packer to the wall of a well casing, and fluid actuated means for moving said slips with respect to said expander means to casing anchoring position, said slips having wickers thereon facing in the same direction as the slips are movable by fluid acting on said fluid actuated means.

2,275,936
CASING BRIDGING DEVICE
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application July 2, 1940, Serial No. 343,584
12 Claims. (Cl. 166—13)



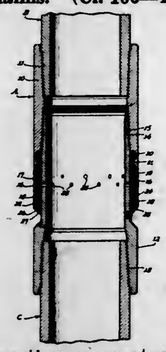
1. In combination, a tubular well member, and an annular bridging device on said member comprising a spring adapted to occupy a retracted position with respect to said member and an expanded position in engagement with the wall of a confining bore hole, said spring having a coil form both while in retracted and expanded positions.

2,275,937

CEMENTING DEVICE FOR WELL CASINGS

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application January 11, 1941, Serial No. 374,049
9 Claims. (Cl. 166—1)



1. A well cementing apparatus, including a ported tubular member adapted to comprise part of a casing string, a member surrounding the ported area of said tubular member and spaced therefrom to form an annular chamber, and an elastic sleeve substantially entirely filling said chamber to prevent fluid passage through the ports, but adapted to be elongated by fluid under pressure from within said tubular member to allow fluid passage from the interior to the exterior of the cementing apparatus.

2,275,938

CONTROL VALVE

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application January 11, 1941, Serial No. 374,050
16 Claims. (Cl. 166—1)



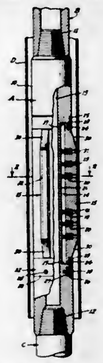
1. A control valve, comprising inner and outer members telescopically arranged one within the other and spaced from each other to form a passage establishing communication between the interior and exterior of said members, one of said members having packing means and the other of said members being provided with a substantially cylindrical seating surface adapted to be engaged by said packing means to effect a seal between said members to close said passage while permitting flow of fluid through one of said members into the other of said members, the unrestrained diameter of the sealing surface of said packing means being substantially equal to the diameter of said seating surface.

2,275,939

CASING SCRAPER

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application March 4, 1941, Serial No. 381,660
8 Claims. (Cl. 166—18)



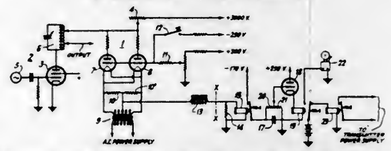
1. A rotary casing scraper, including a body adapted for attachment to a drilling string and having a fluid passage therethrough, said body having a plurality of circumferentially spaced longitudinal grooves in its exterior, a cutter blade slidably mounted in each groove and having an outer longitudinal scraping edge and a plurality of inner sprockets, coil springs engaging the bottoms of said grooves and received within said sockets for moving said blades bodily outwardly and for maintaining their longitudinal scraping edges yieldably in engagement with the wall of well casing during operation of said casing scraper therewithin, and stop means engageable with said blades for limiting the extent of their outward movement.

2,275,940

ALARM SYSTEM

Clyde H. Backus, Marion, and Alfred M. Donato, Wareham, Mass., assignors to Radio Corporation of America, a corporation of Delaware

Application April 22, 1939, Serial No. 269,332
5 Claims. (Cl. 178—66)



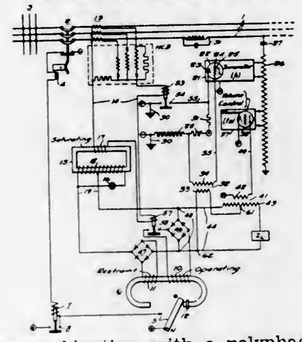
1. In a radio telegraph transmitter, a keying circuit for said transmitter, said circuit including a resistor which carries current during spacing intervals only, means responsive to a voltage drop through said resistor for charging a condenser in short pulses, means for continuously discharging said condenser at a slow rate, a thermionic discharge tube having an anode, a cathode and a grid, a source of potential and a relay connected between said anode and cathode, said grid and cathode being so connected to said condenser that the charge in said condenser biases said tube beyond cut-off, and means responsive to an energization of said relay for actuating an alarm and disabling said transmitter, each single pulse being sufficient to charge said condenser beyond the cut-off potential of said tube.

2,275,941

PILOT-CHANNEL PROTECTIVE RELAYING SYSTEM

Myron A. Bostwick, Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,658
33 Claims. (Cl. 175—294)



1. The combination, with a polyphase transmission-line section to be protected, and line-segregating circuit-interrupting means for disconnecting the line from other apparatus, of line-fault-responsive relaying-means for actuating said line-segregating circuit-interrupting means so as to effect a disconnecting operation, said line-fault-responsive relaying-means including communicating-channel means for obtaining a current from some other point in the transmission line than said line-fault-responsive relaying-means for assisting in protecting the line-section against internal faults while avoiding a line-segregating operation in the event of a transmission-line fault occurring beyond said other point; said communicating-channel means including a normally non-transmitting high-frequency transmitter at said other point in the transmission line, an attuned high-frequency receiver at said relaying point, and transmitter-controlling means at said other point; characterized by said transmitter-controlling means including a line-fault-responsive means so coupled to the line at said other point as to respond to a composite phase-sequence function of the line-current and so as to produce a single relaying-quantity which attains substantially a predetermined magnitude in response to any one of a number of approximately equally severe different possible faults or fault-combinations, and a single transmitter-starting means responsive, in some measure, to said predetermined magnitude.

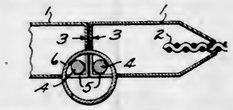
2,275,942

FIRE SCREEN HINGE

Thomas W. Barry, Louisville, Ky., assignor to Peerless Manufacturing Corporation, Louisville, Ky., a corporation of Kentucky

Application March 11, 1941, Serial No. 382,835
1 Claim. (Cl. 16—163)

A hinge construction for folding screens comprising contiguous hollow frame members having angularly related side and end walls and provided at their inner adjacent corners with a series of spaced apart open notches, pintle rods seated inside of said hollow frame members and within



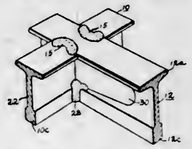
the said inside corners thereof, and an open link extending through said open notches at each location thereof and embracing the pintle rods at such locations, substantially as described.

2,275,943

WINDOW ASSEMBLY

William D. Bayley, Springfield, Ohio

Application August 16, 1938, Serial No. 225,205
7 Claims. (Cl. 189—36)



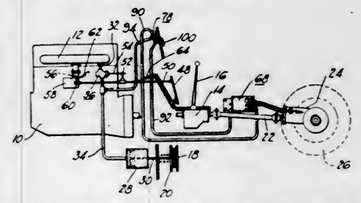
1. A window assembly including transversely arranged interlocking T-shaped muntin bars, the flanges of one bar continuing through the intersection of the bars, said continuous flanges being provided with substantially oppositely disposed C-shaped notches provided with bevelled walls, the flanges of the other bar being severed so as to provide shoulders abutting the uncut sides of the flanges of the first mentioned bar, the severed flanges being provided with a pair of arcuate openings arranged in spaced relation from each other and cooperating with the C-shaped notches to form substantially kidney-shaped openings, said arcuate openings being provided with bevelled walls so that the kidney-shaped openings are larger on the outside face of the flanges than on the inside thereof, and fusing material seated in the kidney-shaped openings for welding the flanges of the bars, said fusing material being inserted solely from one side of the opening during the welding operation.

2,275,944

GEAR SHIFTING MECHANISM

Robert P. Breese, New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Original application November 11, 1935, Serial No. 49,156. Divided and this application May 28, 1937, Serial No. 145,216
8 Claims. (Cl. 74—364)



1. In an automotive vehicle provided with a change-speed transmission mechanism of the type having gears adapted to be placed in and out of driving engagement with respect to each

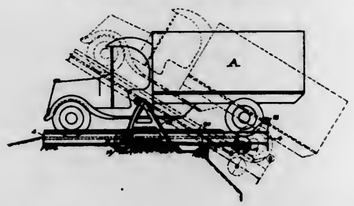
other, power means for shifting said mechanism comprising a vacuum operated double-ended motor operably connected to said transmission, said motor including a fixed casing member and a movable power element reciprocably mounted in said casing, and control valve mechanism for said motor including a manually operable selector valve for selectively connecting either end of said motor to a source of vacuum to thereby shift the gears of the transmission, and means for facilitating the driving engagement of the gears of the transmission comprising other valve mechanism for controlling a rate of energization of the motor for automatically retarding the movement of said power element in either direction as the gears are about to be drivably engaged, said latter valve mechanism including a grooved portion on the aforementioned power element cooperating with a portion of the cylinder element.

2,275,945

TILTING PLATFORM FOR THE UNLOADING OF TRUCKS AND OTHER VEHICLES

Manuel Castilla y Ruiz, Habana, Cuba

Application May 21, 1940, Serial No. 336,451
In Cuba July 22, 1939
5 Claims. (Cl. 214—49)



5. Apparatus for tilting a power driven truck to an unloading position comprising, a rigid frame having supporting surfaces for receiving all wheels of the truck to be unloaded, pivots supporting said frame, a transverse shaft rotatably mounted on said frame, rollers secured to said shaft adapted to be engaged and driven by driving wheels of the truck on the frame, means maintaining the driving wheels of the truck in engagement with said rollers, a fixed gear sector arranged laterally of the frame with the gear teeth thereof concentric with the axis of said pivot, a pinion carried by the frame engaging the gear teeth of said sector, and means providing a driving connection between said shaft and said pinion.

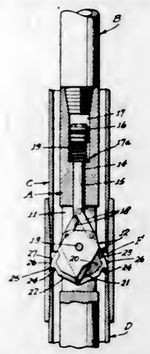
2,275,946

DEVICE FOR REMOVING CASING SECTIONS

Roscoe O. Childers, Olney, Ill., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application May 16, 1941, Serial No. 393,757
14 Claims. (Cl. 164—0.3)

10. A pipe cutting tool, including a rotatable body adapted to be connected to a rotatable drilling string, a pair of cutter blades pivotally mounted on said body in retracted position for swinging movement about a common axis, hydraulically actuated means for simultaneously swinging said blades outwardly of said body in opposite directions for cutting operations upon a pipe within which said tool is adapted to be positioned, each of said blades having a notch in one of its cutting edges providing a corner engageable with an end of said pipe upon outward expansion of said blade for positively stopping downward movement of said tool within said pipe, each of said blades having a tapered



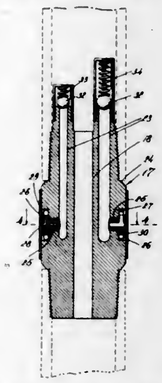
surface extending between said corner and its upper cutting edge which is engageable with said pipe for holding said corner inwardly of the wall of said pipe.

2,275,947

GAS LIFT

John M. Courtney, Vivian, La.

Application May 27, 1941, Serial No. 395,327
4 Claims. (Cl. 103—232)



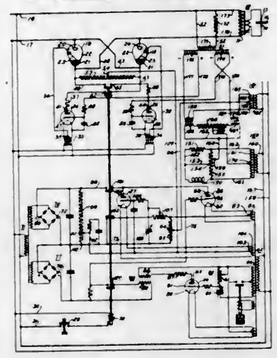
1. In a gas lift pumping device for use in a well and comprising a tube adapted to be lowered into fluid in a well, means to seal the outside of said tube to the inside of the well at a point near its lower end, means to force gas under pressure into the space between the outside of the tube and the inside of the well above the sealing means, and means to inject into the tube in such a manner as to create an upward flow therein, the gas from outside of said tube, the improvement that comprises in the means to inject the gas into the tube, a plurality of metering orifices for controlling the rate of flow of gas into the tube and a pressure sensitive check valve positioned between each metering orifice and the interior of the tube to prevent outward flow from the interior of the tube, at least one of said metering orifices being larger than at least one other of said metering orifices and the check valve for the larger orifice being biased so as to remain closed except at a relatively high differential pressure.

2,275,948

ELECTRONIC SPOT WELDING CONTROL MEANS

John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 28, 1938, Serial No. 187,485
11 Claims. (Cl. 250—27)



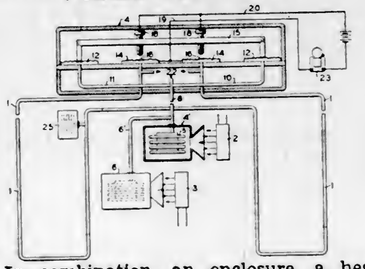
11. An electric power system for supplying current comprising, in combination, a load, circuit means connecting said load to a source of alternating current, a discharge device to control the flow of current in said load, a control electrode for said discharge device, timing means and current control means energized by alternating current operatively connected to said control electrode and means cancelling the alternating voltage components in the timing and current control means operatively connected to said control electrode.

2,275,949

FIRE DETECTING SYSTEM

Francis C. Evans, Staten Island, N. Y., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey

Application March 4, 1938, Serial No. 193,878
7 Claims. (Cl. 177—355)



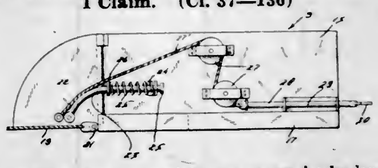
1. In combination, an enclosure, a heating source therein, an aero-tube fire detecting system arranged to operate after a predetermined increase in pressure therein, pressure operated contact means adapted to be operated by said aero-tube system, pressure operated bridge means for spacing said contacts, an aero-tube system connected to control said bridge and a chamber positioned to be affected by said heating source and connected to said control aero-tube system for changing the gas pressure in said control aero-tube system in response to said heating source to thereby change the spacing of said contacts when said source gives off heat.

2,275,950

COAL LOADER

James E. Falconer, Cheswick, Pa.

Application February 24, 1941, Serial No. 380,331
1 Claim. (Cl. 37—136)



A drag scoop comprising a scoop body having one end closed, a shovel gate pivoted at its other end, wings secured to the gate at each side thereof for movement with the gate, said wings forming a continuation of the side walls of the body, guides at each side of the body for the wings, an arm attached to each wing, spring means carried by the arm for urging the gate into an open position, a pair of vertically spaced pulleys at each side of the body, a cable leading from the gate over the upper pulley and extending downwardly therefrom under the lower pulley and outwardly at the closed end of the scoop for closing the gate, and unloading trap doors in the bottom of the body.

2,275,951

TREATMENT OF RUBBER

Ernest Harold Farmer, Radlett, England, assignor to The British Rubber Producers' Research Association, London, England, a body corporate of Great Britain

No Drawing. Original application October 12, 1938, Serial No. 234,720. Divided and this application September 7, 1939, Serial No. 293,853.
In Great Britain September 22, 1937
6 Claims. (Cl. 260—768)

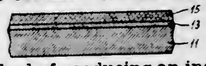
1. A process for the preparation of modified rubber derivatives or resins consisting in reacting maleic anhydride with rubber and a compound selected from the group consisting of styrene, vinyl acetate and α-methacrylic ester in solution in the presence of a catalyst or condensing agent and maintaining the mixture at a temperature of 70 to 100° C. for a period of several hours.

2,275,952

METHOD OF COATING INSULATING MATERIALS ON METAL OBJECTS

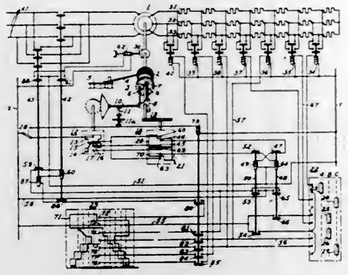
George Stanley Percival Freeman, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application November 22, 1938, Serial No. 241,878
In Great Britain November 22, 1937
5 Claims. (Cl. 91—70)



1. The method of producing an insulating layer on an oxidizable metal base, the steps of oxidizing a surface of the metal base, vaporizing a fusible inorganic insulating material having relatively low secondary emission under electronic bombardment, condensing the vaporized material upon the oxidized surface, fusing the condensed material in an inert atmosphere at a temperature immediately above the fusing temperature of the insulating material, and subsequently cooling the metal base to provide an extremely flexible coating of insulating material upon the metal base.

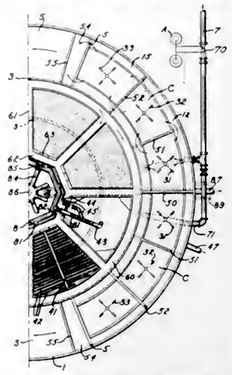
2,275,953
CONTROL SYSTEM FOR TOWING AND MOORING WINCHES
Erling Frisch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1938, Serial No. 237,293
7 Claims. (Cl. 254—172)



5. A winch control system comprising a winch, a tow rope controlled by the winch, a wound rotor induction motor for operating the winch, a source of energy for the motor, a brake for the motor, a resistor bank for connection to the wound rotor to control the torque to be deveolped by the motor, control means for connecting various portions of the resistor bank in the rotor circuit, means for measuring the tension in the tow rope, switch means having parts coupled to the tension measuring means to thus be responsive to a variation of the tension beyond a permitted predetermined range, means controlled by the switch means for connecting the motor to its source of energy and for selectively operating said control means to thus connect a selected portion of the resistor bank into the rotor circuit to establish a selected stalled rotor torque in the motor of such value that the motor will, when subjected to a torque other than the selected value, operate in a direction to restore the rope tension to the predetermined range, said switch means then being operative in response to such reestablished tension for operating the means controlled by the switch means for deenergizing the motor and means responsive to the motor deenergizing operation of the means controlled by the switch means for applying the brake.

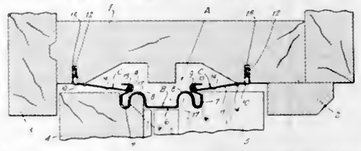
2,275,954
WATER TREATMENT PLANT
William Robert Gibson, Seattle, Wash.
Application January 9, 1939, Serial No. 249,839
23 Claims. (Cl. 210—12)

1. A liquid clarification plant comprising, in combination, coagulating, sedimentation and filter basins arranged in circular plan, with the coagulating basin at the periphery and the filter basins surrounded by the other basins, filters in the filter basins, a clear well underlying the several preceding basins, means to conduct raw water directly from the exterior into the peripherally disposed coagulating basin, means to conduct the water successively from the coagulating basin to the sedimentation basin and thence to the filter basin, without in any instance traversing any other of said basins, nor the clear well, effluent pipes leading from each filter basin downwardly to the clear well, and a filtered



water draw-off pipe leading from the clear well.

2,275,955
WEATHER STRIP
John A. Goellner, St. Louis, Mo., assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo., a corporation of Missouri
Application February 1, 1941, Serial No. 377,032
14 Claims. (Cl. 20—69)



1. In a window construction comprising a jamb and top and bottom sashes slidable relative thereto, a three-piece weatherstrip extending longitudinally of said jamb opposite the jamb opposing faces of said sashes, said weatherstrip comprising side sections rigidly secured to said jamb and a floating intermediate section slidably supported by the free margins of said side sections whereby said side sections cooperate with said intermediate section to yieldably maintain the latter in contact with the jamb opposing faces of the respective sashes.

2,275,956
BOOK
Nancy Brewster Grace, Ithan, Pa., assignor of one-half to Robert S. A. Dougherty, Northampton County, Pa.
Application March 30, 1940, Serial No. 326,914
3 Claims. (Cl. 35—1)



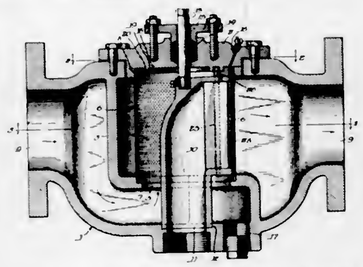
1. In a book for teaching children to manipulate clothing fastening devices, a plurality of book sheets containing printed matter, a plurality of clothing fastening devices secured to said book sheets and each of said fastening devices adapted

to be operated to fasten together and unfasten consecutive sheets as in the acts of dressing and undressing.

2,275,957
PROCESS FOR COATING AND LAMINATING MATERIALS
Frazier Groff, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 11, 1938, Serial No. 190,035
17 Claims. (Cl. 154—2)

1. A composite product consisting of a film of a vinyl resin superficially bonded by the application of heat and pressure to a paper which has a dense and substantially non-porous surface, the bond between said film of vinyl resin and said paper being easily frangible at ordinary temperatures without detriment to either the vinyl resin film or the paper.

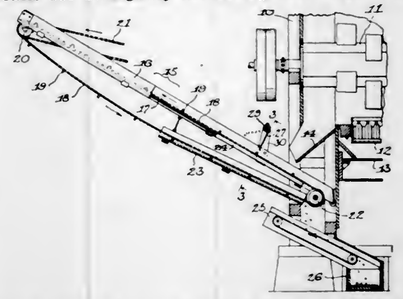
2,275,958
FLUID STRAINER
Eugene A. Hagel, Chicago, Ill.
Application March 17, 1939, Serial No. 262,428
11 Claims. (Cl. 210—167)



1. In a fluid strainer, the combination of a body having an inlet and an outlet, a strainer member positioned intermediate said inlet and outlet, a scavenging member positioned adjacent the inlet face of said strainer member, said members movable relative one another, said scavenging member having a passageway therein communicating with the inlet side of the strainer member and the exterior of said strainer body, means carried by said scavenging member for directing foreign solids adjacent the face of said strainer member into said passageway in the scavenging member, and means for intermittently restricting the flow of fluid through said passageway.

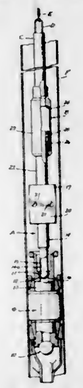
2,275,959
PEA SEPARATING APPARATUS
Frank Hamachek, Jr., Kewaunee, Wis., assignor to Frank Hamachek Machine Company, Kewaunee, Wis., a corporation of Wisconsin.
Application September 25, 1939, Serial No. 296,384
5 Claims. (Cl. 209—358)

5. In a separator for peas and the like, the combination of conveying means for supporting and conducting threshed vines and apertured to permit the escape of loose peas, said means including an impelling element engageable with the vines, a plurality of vine-engaging fingers of substantial length transversely spaced above said conveying means and normally projecting downwardly into the path of the vines approximately at right angles to said path for disturbing bunches of the vines to liberate loose peas therefrom, the lower free ends of the fingers being spaced above the path of said impelling element, means for swingably mounting said fingers, and



spring means for urging said fingers to swing in one direction to yieldably resist the pressure of the vines, said fingers being yieldable rearwardly and upwardly under the pressure of the vines.

2,275,960
FISHING APPARATUS
Edward F. Hannon, Jr., Great Bend, Kans., assignor to Baker Oil Tools, Inc., Los Angeles, Calif., a corporation of California
Application June 17, 1940, Serial No. 340,942
9 Claims. (Cl. 166—1)

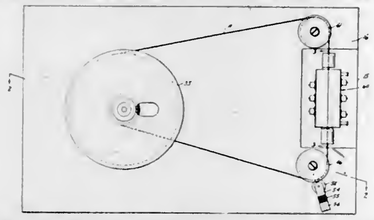


1. A well fishing tool, including a tubular catcher having a cutting edge at its bottom end, an adjustable guide secured to the upper end of the tubular catcher and adapted for engagement with casings of different inside diameters to center said tubular catcher therewithin, and jarring means secured to the guide.

2,275,961
MULTIPLE LANE MAGNETIC SOUND RECORDING SYSTEM
Herman S. Heller, West Los Angeles, Calif.
Application January 22, 1938, Serial No. 186,351
5 Claims. (Cl. 179—100.2)

1. In a magnetic sound recording system, the combination of a flat magnetizable tape, a sound head comprising a pair of erasing magnets, a pair of translating magnets, and another pair of erasing magnets, arranged in tandem, the magnets of each of said pairs having pole pieces between which said tape may be driven and

which are all adapted and positioned to coact selectively with a limited width lane of the tape, guide means adapted to guide said tape to travel between the pole pieces of said pairs of magnets, means for driving said tape in either direction, electric circuiting for energizing the erasing magnets, switching means for connecting said cir-



cuiting to that pair of erasing magnets which is positioned ahead of the translating magnets for each direction of travel of the tape, and means for effecting relative transverse movement between said sound head and said tape guided by said guide means, whereby recordings may be made on different, non-overlapping longitudinally extending lanes of said tape.

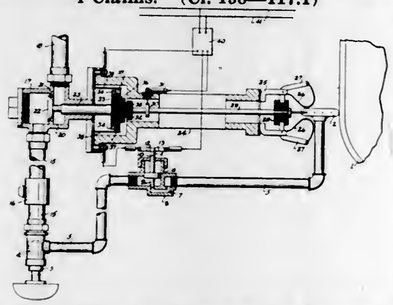
2,275,962

SAFETY IGNITION AND CONTROL DEVICE FOR BURNERS

George Herbster, Cleveland, Ohio, assignor to John H. Leonard, trustee, Cleveland, Ohio

Application February 2, 1938, Serial No. 188,330

4 Claims. (Cl. 158—117.1)



1. An ignition device for a service burner comprising a pilot burner readily accessible to an operator, means for admitting fuel to said pilot burner, a second pilot burner remote from the first pilot burner and in firing relation to the service burner, electric spark terminals associated with the pilot burners, respectively, each terminal being spaced from its associated pilot burner and providing a spark gap for igniting its associated pilot burner when the spark gap is less than a predetermined maximum, high frequency electric spark producing means connected to said terminals, the spark gap for the second pilot burner normally being less than that for the first pilot burner and both gaps normally being less than the maximum, whereby the second pilot burner terminal is operative and the first burner terminal is inoperative until the gap of the second pilot burner terminal is made greater than the gap of the first, thermostatic means in heating relation to the pilot burners respectively and operated when heated to move the associated terminals away from the associated pilot burners and beyond said maximum, valve means operated by the thermostat means of the second pilot burner when the last mentioned thermostat means is heated to admit fuel to the first pilot burner, and valve means operated by the thermostat means of the first pilot burner when the last mentioned thermostat means is heated to admit fuel to the service burner, whereby the readily accessible first pilot burner cannot be ignited for admitting fuel to the service burner until the second pilot burner is operating.

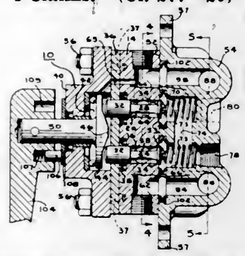
2,275,963

VALVE FOR POWER TRANSMISSION

Kenneth R. Herman and Kamill Seidel, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application May 19, 1939, Serial No. 274,572

4 Claims. (Cl. 277—20)



1. A directional control valve for selectively directing pressure fluid between a motor conduit and supply and exhaust conduits respectively comprising in combination a multi-part body two parts of which are provided with abutting flat faces, one of said parts being formed with a plurality of uniform diameter bores perpendicular to and opening into said flat face, a supply port opening into one of said bores and an exhaust port opening into another of said bores, a motor port in the other of said body parts and having portions lying opposite the ends of both said bores, slidable valve members in said bores each valve having a poppet head adapted to seat on the one body part at the juncture of the corresponding bore with said flat face and having a balancing piston closely fitting the bore beyond the respective supply and exhaust ports, and means for operating said valve members to selectively unseat either one or the other.

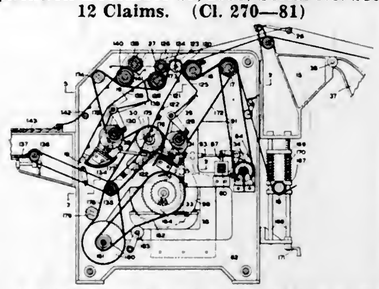
2,275,964

FOLDING MACHINE

Oscar W. Johnson, Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application December 21, 1938, Serial No. 246,928

12 Claims. (Cl. 270—81)



1. A folding machine having duplicate sets of parts providing two folding lanes, each lane including folding devices, timing means controlling operation thereof, a solenoid for initiating operation of the timing means, measuring fingers, and an electric circuit including said solenoid, a switch controlled by said measuring fingers, and a normally closed switch, whereby opening of said normally closed switch renders the corresponding solenoid ineffective, and means for connecting the folding devices of the two lanes for control by the measuring fingers of one lane.

7. A folding machine including duplicate parts providing two folding lanes, each lane having a pair of folding rolls, having folding blades for feeding an article to said rolls, having an oscillatable shaft for actuating said blades, and having article-controlled means for controlling said shaft, and mechanical means for coupling the shafts of two lanes together, whereby the article-controlled means of one lane controls the shafts of both lanes.

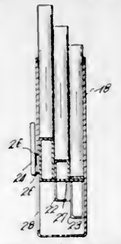
2,275,965

CIGARETTE CASE EJECTOR MECHANISM

Charles W. Julian, Detroit, Mich.

Application June 27, 1940, Serial No. 342,815

7 Claims. (Cl. 206—41.2)



1. In a cigarette case, in combination, a container, a plurality of sets of ejector devices in said container, and a separate actuating member movable different distances common to each of said sets of ejector devices for imparting successive ejecting movements to individual ejector devices at different times, the ejector devices having portions to coact with the actuating member at different times.

2,275,966

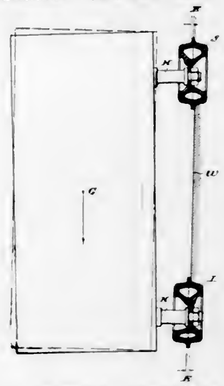
ANTIVIBRATION RESILIENT SUPPORT

Maurice François Alexandre Julien, Paris, France

Application January 11, 1939, Serial No. 250,451

In France October 31, 1938

5 Claims. (Cl. 248—358)



3. A resilient support comprising a casing formed of two members each having an annular side wall and arranged with the edges of the side walls in abutting relation, frame members located wholly within the casing, spaced throughout their peripheries from the side walls, and extending in planes parallel with the edges of the casing members, and resilient material extending from and connecting the peripheral portion of each frame member to the casing, said resilient material being in the form of a hollow substantially truncated cone-shaped wall diverging outwardly from the frame member from which it extends and spaced exteriorly from the annular side walls of the casing.

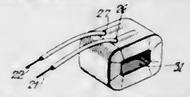
2,275,967

ELECTRIC COIL

Eugene M. Keillor and Joseph W. Hasse, Muskegon, Mich., assignors to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application May 16, 1939, Serial No. 273,874

10 Claims. (Cl. 175—21)



1. A coil of the type described which comprises concentric turns of wire on a hollow core and a covering comprising a continuous sheet of vulcanized fibre wrapped circumferentially about said coil to form a complete wrapping and extending over the sides of the coil and into the hollow core thereof and being shrunk and pressed about said coil and a continuous coating of sealing material enclosing said wrapping.

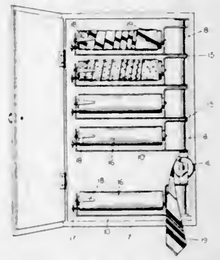
2,275,968

NECKTIE RACK

Jacob R. Kissinger, San Diego, Calif.

Application October 6, 1939, Serial No. 298,249

2 Claims. (Cl. 211—13)



1. In a necktie rack, the combination of an upright standard, an integral metallic frame having a horizontal member and two upright members, one of which has two arms whose ends are rotatably mounted upon said standard, a horizontal type of roller mounted upon said upright members, and means connected with said frame for locking said roller against rotation.

2,275,969

STEROL-LIKE PREPARATION

August Julius Helmuth Kongsted, Copenhagen, Denmark

No Drawing. Application December 8, 1937, Serial No. 178,811. In Great Britain December 12, 1936

3 Claims. (Cl. 260—210)

1. The process of preparing oestrone for peroral administration which comprises preparing a mix-

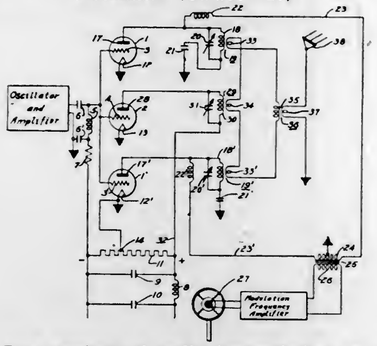
ture of said oestrone and aceto-brom-glucose, dissolving said mixture in quinoline, adding silver oxide thereto and permitting the mixture to remain at rest, until the resulting reaction is completed, whereby an aceto-glucoside of oestrone is produced separating said substance from the solution and purifying said aceto-glycoside.

2,275,970

CARRIER FREQUENCY MODULATION

Henry N. Kozanowski, Collingswood, and Ilia E. Mouromtseff, Montclair, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1938, Serial No. 237,262
5 Claims. (Cl. 250—17)



1. In a system of radio transmission, a carrier-frequency source, a modulation circuit, comprising, three separate carrier-frequency transmission channels, each containing a vacuum tube having anode, cathode and at least one control electrode, a common connection between said cathodes, a circuit interconnecting said control electrodes and said source, whereby the input of all of said tubes between control electrodes and cathodes is simultaneously energized from said source; an output circuit for each of said tubes between anodes and cathodes including an inductance tunable to said carrier frequency, a power supply for anode potential connected between cathode and anode of one of said tubes, whereby one of said channels is operable to supply a carrier of constant amplitude, an alternating current source of potential for modulating said carrier, a divided output circuit therefor, circuit means for terminating said divided output circuit in opposite phase relation between cathodes and anodes of said tubes in said other channels, coupling means for combining the output of one of said channels in additive and the output of another of said channels in subtractive relation with respect to said channel of constant amplitude and means for effectively combining the output of all of said channels.

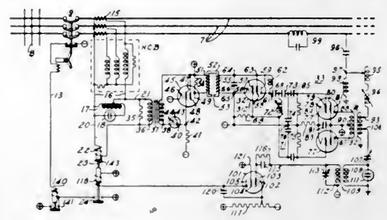
2,275,971

PILOT-CHANNEL PROTECTIVE RELAYING SYSTEM

Bernard E. Lenchan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 10, 1940, Serial No. 356,135
28 Claims. (Cl. 175—294)

1. The combination, with an alternating-current transmission-line section to be protected, and line-segregating circuit-interrupting means for disconnecting the line from other apparatus, of line-fault-responsive relaying-means for actuating said line-segregating circuit-interrupting means so as to effect a disconnecting operation; said line-fault-responsive relaying-means being of a type which utilizes a current obtained from some other point in the transmission line for assisting in blocking a line-segregating operation in the event of a transmission-line fault occurring beyond said other point; characterized by said line-fault-responsive relaying-means including electro-responsive relaying-means at the relaying point for effecting a predetermined control over the line-segregating circuit-interrupting means; said electro-responsive relaying-means having an electro-responsive restraining means for developing a restraining force, and an electro-responsive operating means for developing an operative force which is effective to quickly cause the actuation of the electro-responsive relaying-means in the absence of said restraining force; means operative, when predeterminedly energized, to substantially continuously energize



said electro-responsive operating means; means responsive approximately to alternate half-cycles of a line-current function at the relaying point for energizing said electro-responsive restraining means approximately during alternate half-cycles of said line-current function at the relaying point; and communicating-channel means responsive approximately to alternate half-cycles of a corresponding line-current function at said other point for energizing said electro-responsive restraining means of the electro-responsive relaying-means at the relaying point approximately during alternate half-cycles of said line-current function at said other point; the approximate half-cycles during which said restraining means is energized in response to line-currents at the relaying point and at said other point, respectively, being approximately in time-phase-opposition with respect to each other, so as to alternate, in the event of a transmission-line fault occurring beyond said other point.

2,275,972

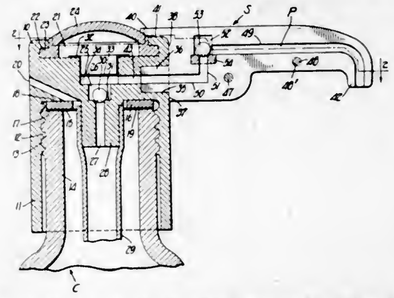
DISPENSING DEVICE

Frank H. Maloney, Elmhurst, Long Island, N. Y., assignor to Brass Goods Manufacturing Co., Brooklyn, N. Y., a corporation of New York

Application May 10, 1939, Serial No. 272,800
1 Claim. (Cl. 221—85)

A device for dispensing fluid comprising in combination a cap member provided with a passage extending from its upper to its lower surfaces, a resilient exposed member secured to the upper end of said cap and adapted to close the upper end of said passage, means for supporting said cap and resilient member above the level of the fluid, a valve arranged to close said passage upon depression of said resilient member, comprising a ball, a seat therefor, and a ball retaining

member extending across the said passage a short distance above the ball, the retaining member being provided with a plurality of spaced apertures, said cap member being provided with a second passage passing through the side of the cap member and connecting with said first passage above



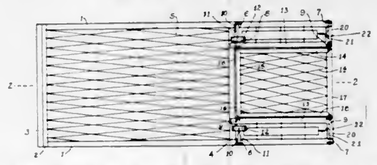
said valve, a discharge spout secured to the side of said cap and provided with a discharge passage connecting with said second passage, and an outlet valve mounted in said discharge spout and adapted to be opened upon the compression of said resilient member.

2,275,973

HOSPITAL BED

Stanton S. Marchbanks, Chattanooga, Tenn.

Application May 31, 1938, Serial No. 210,838
3 Claims. (Cl. 5—66)



1. A bed of the character described comprising a frame, mattress supporting means carried by the frame, a central section extending to the lower end of the frame hingedly secured to an intermediate portion of said frame for movement to permit access to the lower part of the body of occupant, stationary sections bridged at their lower ends only by said central section for supporting the feet and legs, and legs for supporting the frame of sufficient length to allow said central section to drop down free of the floor.

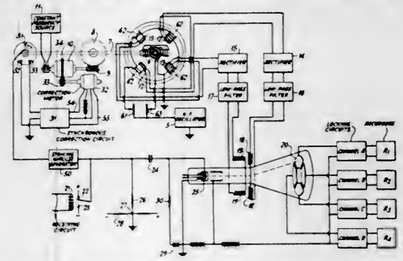
2,275,974

SWEEP CIRCUIT FOR CATHODE RAY TUBE DISTRIBUTORS

Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1939, Serial No. 258,870
13 Claims. (Cl. 178—52)

1. In a telegraph system a source of alternating current of a relatively high frequency, rotary converter means for applying variable attenuation to said current at a relatively low frequency cyclic rate, a pair of output circuits connected to said converter means, means for maintaining a quadrature phase displacement between the attenuation envelopes of the currents in said output circuits, means for deriving sine wave currents corresponding in frequency to that of said attenuation envelopes, means for deflecting an electron stream rotatively under control of said



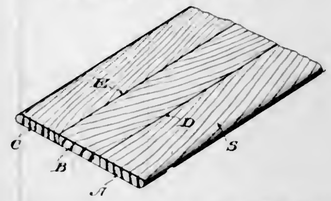
sine wave currents, and means responsive to telegraph signals for keying said electron stream.

2,275,975

VENETIAN BLIND SLAT

Edgar B. McGlone, Pine Bluff, Ark., assignor to Peers & McGlone, Pine Bluff, Ark., a limited partnership consisting of Jesse B. Peers and Edgar B. McGlone

Application March 13, 1940, Serial No. 323,796
2 Claims. (Cl. 156—17)



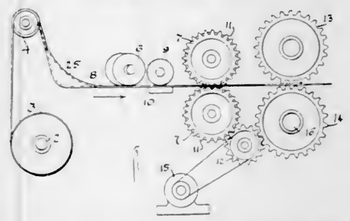
1. An inherent warp resisting Venetian blind slat, comprising two or more thin strips of wood edge glued together, the grains in each strip being disposed substantially normal to the faces of the strip and extending substantially longitudinally thereof.

2,275,976

FOLDING, SEALING, AND CUTTING MECHANISM

Harry A. Mead, Glendale, Calif., assignor to Modern Containers, Inc., Los Angeles, Calif., a corporation of California

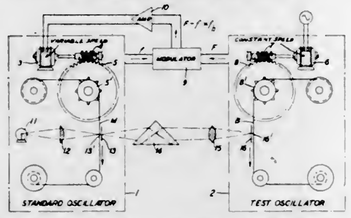
Application June 24, 1940, Serial No. 342,099
2 Claims. (Cl. 93—18)



1. A bag forming machine comprising in combination, bag material holding means, folding means whereby adjacent edges of the bag material are folded in overlapped relation with each other, an electrically heated roller mounted in the path of the bag forming material, a resilient cushion in operative position with respect to said roller, means whereby the bag forming material is folded and sealed on itself, and a cutting mem-

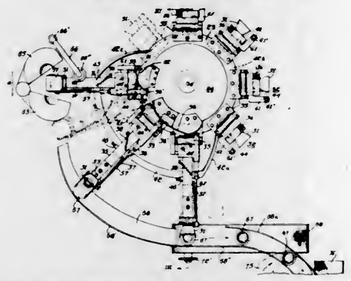
ber for severing the formed bag from the strip of bag forming material after the material is folded upon itself and sealed.

2,275,977
MEANS FOR CALIBRATING SCALES
Winthrop J. Means, Ridgewood, N. J., and Thaddeus Slonczewski, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1938, Serial No. 232,068
8 Claims. (Cl. 73—151)



1. In a system for calibrating an instrument having a blank scale, the combination comprising a standard instrument including a master scale adapted to accurately indicate the condition represented by said standard instrument, means for varying the magnitude of the condition represented by one of said instruments, means interconnecting said instruments and under control of said one instrument for causing the other instrument to represent a condition of corresponding magnitude whereby the magnitude of the condition represented by both instruments is indicated by the master scale of the standard instrument, and means for continuously reproducing the indicated master scale readings on the blank scale.

2,275,978
SETTING OVER MECHANISM
Joseph P. Mingle, Muncie, Ind., assignor to Ball Brothers Company, a corporation of Indiana
Application May 5, 1938, Serial No. 206,195
7 Claims. (Cl. 198—209)

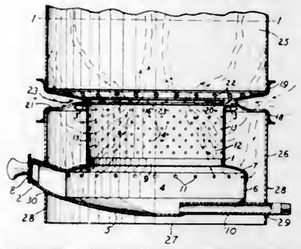


1. In combination in a setting over mechanism, a plurality of articles receiving receptacles, a separate supporting arm for each such receptacle and to which said receptacle is pivotally connected, a common support for all such arms and to which each such arm is hingedly connected for vertical swinging movement, means for continuously rotating said support, means for swinging each support arm from vertical to horizontal position during each rotation of such common support, and means for tilting each said receptacle while its support arm is in horizontal position.

2,275,979
SODIUM PERBORATE PREPARATION
Nicholas M. Molnar, New York, N. Y.
No Drawing. Application November 29, 1938, Serial No. 243,031
4 Claims. (Cl. 167—72)

4. A dry non-hygroscopic preparation, consisting of partially dehydrated sodium perborate in major proportion, a catalytically small amount of an alkali metal salt of the group consisting of iodine and bromine, and a substance selected from the group consisting of non-toxic acids, salts and acid salts which will lower the alkalinity of the mixture to approximately a pH of 7–9.4, the said alkali metal salt not exceeding 3% of the whole preparation.

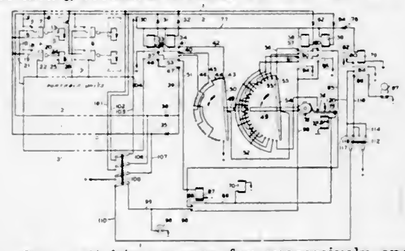
2,275,980
BURNER
Richard S. Moore, Grand Prairie, Tex., assignor, by mesne assignments, to Guiberson Oil Heater Company, Dallas, Tex., a corporation of Texas
Application February 8, 1939, Serial No. 255,191
10 Claims. (Cl. 158—91)



1. A burner including a vaporizing chamber into which liquid fuel is fed, said chamber being provided with perforations through which a limited amount of air, insufficient to support combustion under normal operating conditions, is introduced into the chamber, an initial combustion chamber above and communicating with the vaporizing chamber, said initial combustion chamber being in the form of a perforated cylinder of materially smaller diameter than that of the vaporizing chamber, a final combustion chamber larger than and above and communicating with the initial combustion chamber and spaced apart plates between the initial and final combustion chambers, the said plates having central apertures of smaller cross-sectional area than that of the initial combustion chamber and through which apertures the burning vapors pass from the initial combustion chamber into the final combustion chamber, the spaces between said plates opening directly into the outside atmosphere and through which a large amount of air may sweep inwardly into the flame.

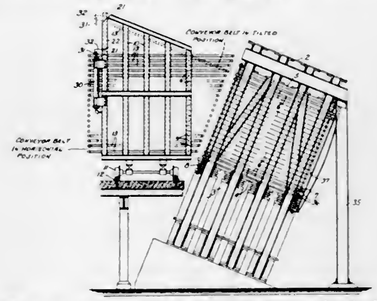
2,275,981
ALARM SYSTEM
Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application March 4, 1938, Serial No. 193,896
9 Claims. (Cl. 177—360)

9. In a signalling system, a plurality of transmitting stations, a line in the form of a loop connecting said stations, a source of alternating current connected to said line, means in each transmitting station for polarizing the line differently at each station, switching means connected to said line for responding to each particular polarization of the line, a signalling device and a second switching means responsive to



the first switching means for successively energizing the signalling device.

2,275,982
PRESS
Carl G. Muench, New Orleans, La., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application August 5, 1938, Serial No. 223,311
7 Claims. (Cl. 92—61)

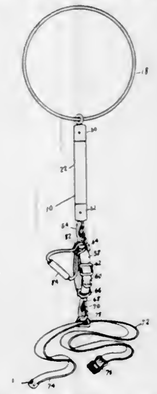


2. The combination with a press adapted to press and dry sheet material and having a series of inclined superposed flat members between which sheets are pressed, of loading means comprising a plurality of vertically spaced normally substantially horizontal supports, said supports being complemental with respect to the series of inclined superposed flat press members, each support for receiving a sheet thereon, means for tilting said supports simultaneously to the inclination of the superposed flat press members, and means for discharging the sheets from the tilted loading means into the spaces between said flat press members between which the sheets are pressed.

3. A press adapted to press and dry sheet material, comprising upper and lower heated platens between which sheets are pressed, means comprising guide rods mounting and maintaining said platens in substantial parallelism with each other but at an angle to the horizontal, means serving to move one of said platens toward and away from the other platen whereby the sheet material is admitted to and discharged from the press, and thrust receiving means separate from the said guide rods and disposed to receive the side thrust of the platens resulting from the inclination of the platens.

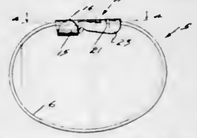
2,275,983
DEVICE FOR USE IN GUIDING AND SUPPORTING CHILDREN
Edouard J. Nadeau, Providence, R. I.
Application October 9, 1940, Serial No. 360,482
6 Claims. (Cl. 227—49)

1. A device for guiding a plurality of children of different heights, comprising a hoop for receiving the arm or hand of an adult guider, a rigid dowel stock having an upper end universally attached to said hoop, a child's holding handle



and a lead strap universally attached to the lower end of said dowel stock and a baby harness universally attached to the lower end of said lead strap.

2,275,984
SAFETYPIN
Stuart Nitchman, Schenectady, N. Y.
Application March 12, 1941, Serial No. 382,982
3 Claims. (Cl. 24—156)

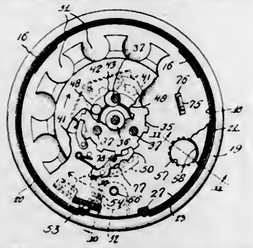


2. A safety pin comprising a spring wire loop formed with a piercing point at one end and a terminal at its opposite end, a catch secured on said terminal, said catch comprising a receptor for receiving and holding said point, said receptor comprising opposed relatively flexible sidewalls having internal ridges for acceptance in notches formed in the sides of said point, said sidewalls having external indentations, and a tensioned cap having legs to engage the outer sides of said opposite sidewalls to urge the same into more firm engagement with the opposite sides of said point, the legs of said cap having internal ridges acceptable in said external indentations of the sidewalls of the catch whereby said cap is held in place on said catch, some of said external and internal indentations and ridges occupying vertical positions and some horizontal positions.

2,275,985
VENDING MACHINE
Leendert Prins, Flushing, N. Y.
Application February 23, 1938, Serial No. 192,126
5 Claims. (Cl. 194—63)

2. In a vending machine, a base, a vertical shaft journaled in and projecting upwardly from said base, an intermittently revoluble article magazine arranged above said base and through which said shaft rotatably extends, said magazine having a peripheral series of radially disposed article-receiving pockets, a hollow body secured on said base and encasing said magazine, said body having a delivery opening with which

the pockets of said magazine are adapted to be successively registered, a removable cover for said body, an operating handle for said shaft carried by and journaled in said cover, and a separable connection between said handle and



said shaft affording a driving connection between said handle and the upper end of said shaft when the cover is applied to said body and permitting detachment of the handle from the shaft when the cover is removed from said body.

2,275,986

CONDENSATION PRODUCTS OF ROSIN AND ROSIN ESTERS AND METHOD FOR THE PRODUCTION THEREOF

Arthur L. Osterhof, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 22, 1939, Serial No. 296,043
11 Claims. (Cl. 260—97)

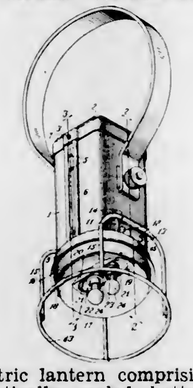
1. A method of producing a condensation product of a phenol and a material selected from the group consisting of rosins and rosin esters which includes heating the said material with a phenol in substantially equimolecular proportions in the presence of an aromatic sulfonic acid at a temperature from about 100° to about 200° C. until a reaction product is obtained having a melting point and viscosity substantially higher than that of the original rosin material.

2,275,987

PORTABLE ELECTRIC LANTERN

Charles S. Packer, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 22, 1938, Serial No. 231,226
5 Claims. (Cl. 240—11.3)



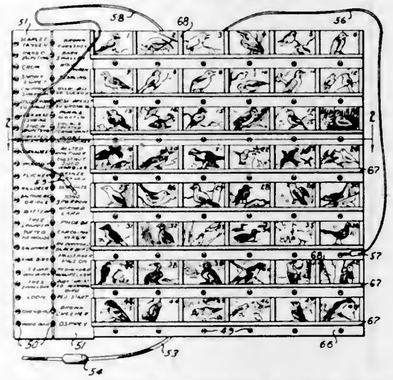
2. An electric lantern comprising a substantially hermetically sealed battery containing housing, a switch chamber in said housing and a switch member in said chamber inaccessible from the exterior of said housing, a lamp projecting from said housing and mounted on said switch member, said switch member being slidably mounted and operable responsively to impacts imparted to said housing for connecting and disconnecting the lamp from the battery.

2,275,988

ELECTRICAL EDUCATOR

Vern C. Parker, near Stilesville, Ind.

Application August 28, 1940, Serial No. 354,574
4 Claims. (Cl. 35—9)



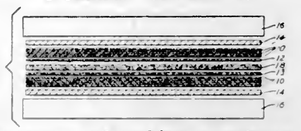
1. In an electrical educator, a rigid body, a plurality of pictures removably secured to the body, each picture being of an object different from the others, and numbered consecutively, names of the objects also removably secured to the body and placed remote from its picture on strips of paper extended across the front and around the top and bottom edges of the body and ends pasted to the back of the body, said body having a socket at each name and its corresponding picture, and said board having a signaling device transformer, and a source of current in circuits open between a picture socket and its name socket, and said body having a pair of plugs and conductors connecting the plugs with the circuit and closing the circuit when one of the plugs is seated in a name socket and the other is seated in its corresponding picture socket to operate the signaling device.

2,275,989

PROCESS FOR PRODUCING RESINOUS PRODUCTS

Eugene R. Perry, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 14, 1938, Serial No. 229,905
4 Claims. (Cl. 154—2)



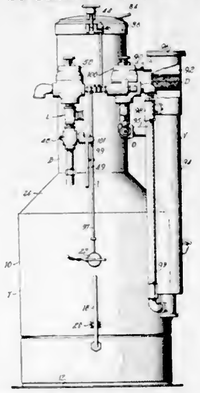
1. The process of making a resinous product comprising the steps of, stacking sheets of fibrous material impregnated with a resinous binder in assembled laminated relation, disposing a sheet of fibrous material having a resinous binder associated therewith and an infusible material in the form of small discrete particles capable of cooperating with a cementitious material partially embedded in the resinous binder carried on the surface of the sheet, on the stacked sheets, the sheet carrying the material partially embedded in the resinous binder having been subjected to sufficient heat to at least partially cure the binder to limit the flow characteristics of the resinous binder, providing a fibrous pad over the surface of the sheet carrying the material partially embedded in the treated resinous binder, and applying heat and pressure to the assembled sheets to consolidate them into a compact integral unit, the fibrous pad cushioning the material partially embedded in the binder when the assembly is subjected to heat and pressure thereby preventing damage to the material and providing a surface capable of cooperating with a cementitious material that may be utilized in mounting the product.

2,275,990

ACETYLENE GENERATOR

Ralph C. Pierson, Indianapolis, Ind., assignor to Oxweld Acetylene Company, a corporation of West Virginia

Application February 18, 1939, Serial No. 257,092
16 Claims. (Cl. 48—22)



1. An acetylene generator comprising a tank adapted to contain water in its lower portion; a gas bell open at the bottom and extending into the water within said tank and forming a gas-generating chamber above the water within said bell; a calcium carbide holder adapted to expose carbide therein to water within said tank means for supporting said carbide holder within said gas bell, whereby said holder may be raised or lowered to any one of a plurality of vertical positions therein; and sealing means connected to such supporting means adapted to cooperate with a portion of said gas bell when said supporting means is in one position, in order to effect a moisture-tight seal between the water and said carbide.

2,275,991

TEXTILE PRINTING PASTE

Donald H. Powers, Moorestown, N. J., and Sivert N. Glarum, Ardmore, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application May 28, 1938, Serial No. 210,794
8 Claims. (Cl. 260—32)

1. A textile printing paste comprising a viscous aqueous solution of about 1.5% to 5% of a thickening agent selected from the group consisting of water-soluble methyl cellulose, water-soluble ethyl cellulose, sodium polyacrylate, locust bean gum, sodium alginate, gum tragacanth, and gum karaya and having uniformly dispersed in said solution 1% to 10% of a finely divided, water-insoluble coloring material and about 2.5% to 15% of a water-insoluble resin which forms a film when deposited from an aqueous dispersion.

2,275,992

GRINDING MILL

Maxwell L. Rahner, Highland Park, Ill.

Application February 16, 1939, Serial No. 256,679
6 Claims. (Cl. 83—9)



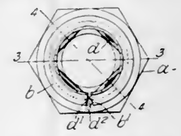
1. A grinding mill comprising a cylindrical shell, comparatively thin liner plates disposed along the interior circumference of said shell, comparatively narrow lifting elements associated with said liner plates which are mounted thereon to yield in the direction of said shell, said liner plates being many times wider than said lifting elements and normally spaced from the interior of said shell by said lifting elements, and shell anchored fastener means connected to said comparatively thin liner plates and shell intermediate said lifting elements for yielding said liner plates toward and attachment thereof and said lifting elements to said shell responsive to tightening said fastener means.

2,275,993

SELF-LOCKING NUT

John Hogg Robertson, London, England

Application September 5, 1939, Serial No. 293,499
In Great Britain September 6, 1938
3 Claims. (Cl. 151—25)



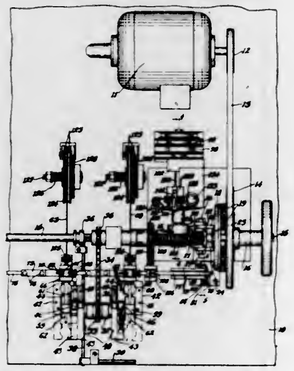
1. A safety nut comprising a body screw-threaded internally to engage with the thread of a screw, an annular chamber at one end of said body, and a spring member housed in said chamber, said spring member consisting of a single coil of non-circular shape having a helical pitch substantially equal to the pitch of said screw-thread, the two extremities of said coil being anchored in a slot in a wall of said chamber, and intermediate portions of said coil providing resilient local contacts alternately with the interior of said chamber and with the thread of the projecting portion of a screw engaged in said body.

2,275,994
TIRE CHAIN
Gideon Michael Ruhkala, Rocklin, Calif.
Application September 9, 1940, Serial No. 355,889
5 Claims. (Cl. 152—219)



1. A connection assembly for a tire chain having laterally inward and outward circumferential runs adapted to be disposed on opposite sides of the tire, said assembly comprising a block and tackle assembly connected between adjacent ends of the laterally inward run of the chain, said assembly including a flexible cable, a sheave interposed in the laterally outward run of the chain adjacent said assembly, the cable passing from the tackle laterally of the tire and about said sheave, and means on the free end of said cable arranged for releasable connection with said laterally outward run at a point spaced from said sheave.

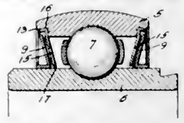
2,275,995
COIL WINDING MACHINE
Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application October 11, 1941, Serial No. 414,696
12 Claims. (Cl. 242—1)



1. Apparatus for winding coils upon motor stators comprising a rotatable head, means for detachably mounting a stator upon said head, a curved, tubular finger mounted for oscillation upon an axis at right angles to the axis upon which the head rotates, the free end of said finger terminating adjacent to the stator, means for feeding a wire through said finger to the stator, and means for simultaneously rotating the head and oscillating the finger to wind a coil of wire upon the stator.

2,275,996
BEARING SEAL
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application January 5, 1939, Serial No. 249,394
1 Claim. (Cl. 286—5)

The combination with a pair of rings disposed one within the other and held in radially spaced apart relationship and against substantial relative movement axially, the outer of said rings having a recess in one edge thereof, of an annular flat disk-like barrier seal member having its outer edge secured in said recess and flaring radially and axially inwardly to such an extent that its inner circumferential edge is substantially in lubricant sealing proximity to the outer circumferential surface of the inner of said rings, a second seal member carried by said inner ring

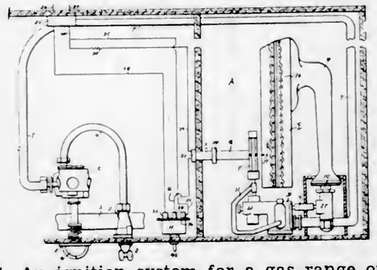


and comprising a sleeve portion tightly fitting the outside of said inner ring circumferentially, said sleeve portion at its inner end having a flinger flat flange portion flaring radially and axially outwardly and lying throughout in sealing proximity to, but in clearance relation with, the outer surface of said seal member carried by said outer ring.

2,275,997
CONTROL FOR ABSORPTION REFRIGERATING SYSTEMS
Francis P. Shannon, Louisville, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky
Application May 22, 1941, Serial No. 394,680
4 Claims. (Cl. 62—5)

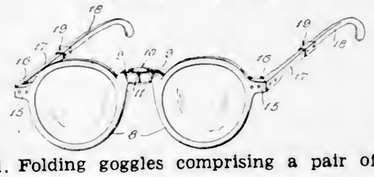
1. In a control system for pneumatically controlling the weak-liquor valve in an absorption refrigerating system of the closed cycle type wherein weak-liquor from a heat exchanger and gas from an evaporator are both fed to an absorber to form a strong liquor, the combination with a "main" control system of the reset type—having: a terminal pressure line charged with an operating air pressure and connected pneumatically to the weak-liquor valve to adjust the latter in response to changes in its operating air pressure; an air leakage relay, responsive to changes in the weak-liquor flow, to change the operating air pressure in order to move the valve and thus restore the flow; a reset mechanism, responsive to changes in the operating air pressure, to reset the air-leakage relay so that when the flow is restored the relay will maintain the air pressure at the changed value; and a connection between the reset mechanism and the air leakage relay which connection is adjustable to different control points corresponding to different weak-liquor flows—of an "auxiliary" control system of the same reset type, responsive to changes in an operating condition of the absorption system requiring for correction a new rate of weak liquor flow, for adjusting the control point connection of the main control system to the new flow rate, the auxiliary control system having: its air leakage relay operating, in response to changes in said operating condition, to change its operating air pressure; its terminal pressure line connected pneumatically to the main control point connection and operating, in response to changes in its operating air pressure, to adjust the main control point connection; and its reset mechanism operating, in response to changes in its operating air pressure, to reset the air leakage relay so that when said other operating condition is corrected, the relay will maintain the operating air pressure at the changed value.

2,275,998
IGNITION SYSTEM FOR BURNERS
Arthur Stockstrom, Douglas D. Burnside, and Edwin H. Kahler, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application March 25, 1941, Serial No. 385,128
21 Claims. (Cl. 158—117.1)



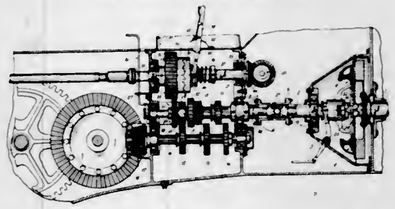
1. An ignition system for a gas range or the like comprising, a main burner, a pilot burner for igniting said main burner, a manually operable valve for initially controlling the supply of fuel to both of said burners, a normally closed safety valve stopping the flow of fuel to the main burner from said manually operable valve, a thermo responsive member operable by the heat generated by said pilot burner to open said safety valve, an open electric circuit including an electric igniter in lighting relationship to the fuel issuing from said pilot burner, a switch by which said circuit can be closed, said switch including a fixed contact and a movable contact biased away from said fixed contact, means to move said contacts into engagement, a resilient lock arm automatically latching said contacts in engagement upon their being so positioned, said lock arm having a portion composed of thermo responsive material, an electric heater arranged in heating relationship to the thermo responsive portion of said lock arm, said heater being in said circuit, and said heater when said circuit is closed acting after a predetermined time duration to cause said lock arm to move into an unlatched position, for the purpose described.

2,275,999
FOLDING GOGGLES
Leo Strauss, Far Rockaway, N. Y., assignor to American Spectacle Co. Inc., New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,729
3 Claims. (Cl. 88—41)



1. Folding goggles comprising a pair of eye wires having separable bridge sections, a connector for said sections hingedly joining the same together, said connector comprising opposed straps engaging the upper and lower edges of said bridge sections, pivots connecting said straps with said bridge sections, a transverse connecting strap joining the rear edges of said opposed straps and disposed in overlapping relation to the ends of said bridge sections when the latter are in operative position, said connecting strap constituting a stop engageable by said bridge sections to limit their forward swinging movements, and temples connected to said eye wires.

2,276,000
CONTINUOUS POWER TAKE-OFF DRIVE
Emil F. Stumpf, Valmeyer, Ill.
Application June 20, 1940, Serial No. 341,427
18 Claims. (Cl. 74—11)



1. In a tractor having a transmission drive shaft, and a power driven shaft for driving the same; a rotary power take-off shaft supported by the tractor, a longitudinally shiftable rotary shaft mounted concentrically with said transmission shaft, means for rotating said last named shaft when in one of its longitudinal positions by said transmission shaft and by said power shaft when in another of its longitudinal positions, and gearing for rotating said power take-off shaft by said last named shaft while said transmission shaft is rotating or stationary.

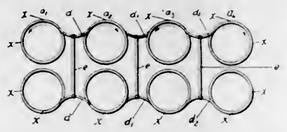
2,276,001
THERMOMETER
Henry A. Tebben, St. Louis, Mo., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Delaware
Application June 22, 1940, Serial No. 341,862
3 Claims. (Cl. 73—376)



3. A support for a thermometer and like instrument, comprising a panel of sheet material having means to secure the instrument against one face thereof, said panel having a convex curvature in transverse section, and a guard on said panel within which the bulb of the instru-

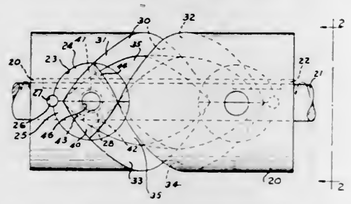
ment may be wholly received, said guard being formed of a plurality of strips struck up from the material of said panel and projecting alternately to the front and the rear thereof transversely of said bulb, the strips projecting to the front having a relatively greater convex curvature than said panel transversely thereof while the strips projecting to the rear lie wholly within the boundary of the curvature of said panel, all of said strips extending longitudinally parallel with the plane of said panel and forming a cage through which air may circulate in all directions around the bulb.

2,276,002
METHOD OF MAKING SPRING INSERTIONS
George Török, Budapest, Hungary, assignor to Magyar Ruggyantaarugyar Reszvenytarsasag, Budapest, Hungary, a corporation of Hungary
Original application January 12, 1939, Serial No. 250,505. Divided and this application April 12, 1941, Serial No. 388,242. In Hungary January 28, 1938
5 Claims. (Cl. 140—3)



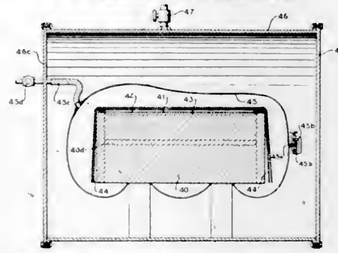
1. A method for the manufacture of spring insertions for stuffed seats, mattresses, cushions or the like, in which more than two upholstery springs are arranged substantially axially parallel to one another, comprising withdrawing wire axially in one direction from a spool having turns of wire wound thereon, sufficient to form a first spring, withdrawing a sufficient length of wire laterally of the spool to form a connecting piece between said first spring and a second spring to be formed, and forming the second spring by withdrawing sufficient turns of wire axially of the spool in a direction opposite to said first-mentioned direction.

2,276,003
MECHANICAL MOVEMENT
Victor H. Van Sant, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1939, Serial No. 285,842
2 Claims. (Cl. 74—57)



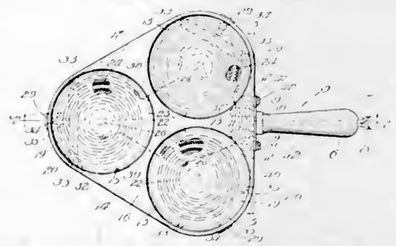
1. A cam mechanism element formed with a cam track having an angular portion, the said element comprising a body having a recess therein at the angular portion of the cam track, and two complementary members mounted in the recess and each formed with one side of the angular portion of the cam track up to the vertex thereof.

2,276,004
METHOD OF FORMING VENEER STRUCTURES
Eugene L. Vidal, New York, N. Y., and Laurence J. Marhoefer, Washington, D. C., assignors, by mesne assignments, to Vidal Research Corporation, New Rochelle, N. Y., a corporation of Delaware
Application June 30, 1938, Serial No. 216,704
5 Claims. (Cl. 144—309)



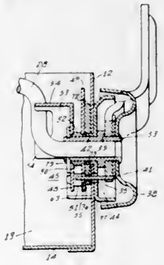
4. The method of forming an integral molded plywood structure from wood veneer which is normally frangible when bent beyond certain angular limits, including in combination the steps of superposing a group of sheets of said veneer and one or more interposed layers of thermoplastic adhesive upon and in loose conformity with the surface of a mold, at least parts of the surface of said mold having configurations wherein all the surface elements are non-rectilinear, wholly enclosing said sheets and mold within a bag formed of a loose, fluid-impervious, highly flexible, pressure-transmitting membrane, and causing said sheets to conform intimately to said configurations of the mold and to become bonded by adhesive with each other by applying uniform fluid pressure to the outer surface of the bag while simultaneously venting the space within the bag to a lower fluid pressure to provide a fluid pressure differential between the outside and the inside of the bag, applying heat to the bag and its contents, maintaining said molding pressure until the veneer has conformed by plastic movement to said non-rectilinear configurations of the mold and said sheets have become bonded integrally to each other and said adhesive has set, removing said bag and separating the molded plywood structure from the mold.

2,276,005
PANCAKE GRIDDLE
Theofanis Vouvalidis, Chicago, Ill.
Application December 7, 1940, Serial No. 369,050
2 Claims. (Cl. 219—19)



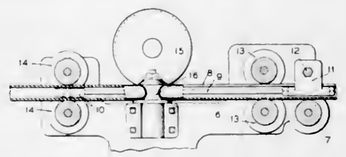
1. An article of the character described comprising, electrically heated griddle means provided with a multiplicity of baking cavities arranged in triangular formation, leg support means secured to the said griddle means, the said leg means provided with contact means tangentially contacting the said griddle means, hollow handle means secured to the said griddle means, and electrical connection means connecting the said griddle means thru the said hollow handle means to a source of electric current supply.

2,276,006
ELECTRIC SWITCH
John W. Samzelius, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1940, Serial No. 346,528
17 Claims. (Cl. 200—50)



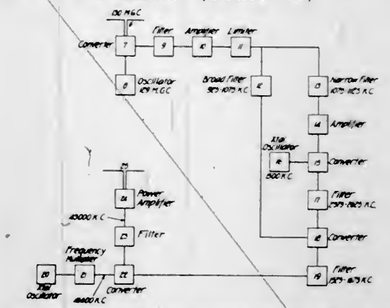
1. In an enclosed switch, in combination, an enclosing casing, a switch in said casing, a rotatable operating handle on the exterior of the casing for operating the switch to "on" and "off" positions, a snap-acting mechanism for actuating the switch, said mechanism comprising an actuating plate disposed inside the casing and rotatable about the same axis as said handle, said actuating plate having spaced portions thereon, said handle having a driving element which projects between said spaced portions to provide a lost motion connection between the plate and the handle, and overcenter spring means engaging the actuating plate to impart a snap-acting movement thereto when the plate has been rotated a predetermined amount by the handle, and an additional plate having the same axis as the first plate and actuated thereby to operate said switch.

2,276,007
BURR REMOVING DEVICE
Lafe Young and Alfred A. Boyle, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application May 13, 1940, Serial No. 334,794
6 Claims. (Cl. 80—11)



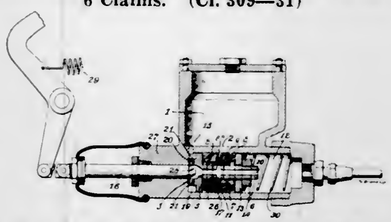
1. In a device of the class described, a mandrel for cooperating with the interior of a tube having a welded longitudinal seam; a pair of supporting rolls journaled in the mandrel, and a floating rotary smoothing element carried on the rolls and contacting with the interior of the tube along the line of seam to smooth out the fin formed by the welding operation.

2,276,008
RADIO REBROADCASTING SYSTEM
Edwin H. Armstrong, New York, N. Y.
Application January 12, 1940, Serial No. 313,498
8 Claims. (Cl. 250—15)



1. The method of signal transmission which consists in frequency modulating a carrier wave with a band of signal frequencies, transmitting the modulated carrier wave, transmitting a wave having a constant frequency, receiving the transmitted waves, heterodyning the received waves down to a low intermediate frequency by a heterodyning current of constant frequency, selecting from the low intermediate frequency a band of frequencies corresponding to the signal frequencies and a derived frequency differing from the median intermediate frequency by the difference in frequencies between the carrier and the wave of constant frequency, beating said derived frequency with the selected band of frequencies to produce a resultant band of frequencies corresponding to the signal frequencies, and causing the frequency of a second carrier wave of different frequency than the first named carrier wave to vary in accordance with the frequencies of said resultant band.

2,276,009
HYDRAULIC BRAKE MASTER CYLINDER
Philip Sidney Baldwin, Florence, Italy
Application May 20, 1937, Serial No. 143,805
6 Claims. (Cl. 309—31)



1. In a hydraulic brake system, a cylinder and a piston therein, said piston comprising a resilient packing which is expanded and contracted during the reciprocal movements of the piston in the cylinder, said packing having surfaces adapted to be subjected to axial and radial pressures, means for applying said pressures to said packing, said packing being subjected to both mechanical and hydraulic pressure to form a compression seal during the compression stroke of the piston, said packing being initially compressed axially and expanded radially by mechanical means so that part of the packing is spaced from and part of the packing is in light contact with the cylinder wall in its static condition, and the packing is further expanded radi-

ally on the compression stroke into substantial sealing contact with the cylinder wall by radially and axially applied hydraulic pressure, and by an axially applied progressively increasing mechanical pressure, the pressures increasing with the progression of the compression stroke, the pressures supplementing each other.

2,276,010

RESISTANCE WELDING

George S. Bernard, Jr., New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 22, 1939, Serial No. 296,094
18 Claims. (Cl. 219—10)

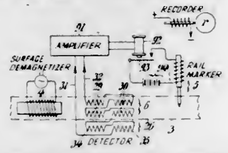
1. In the art of resistance welding wherein work pieces are welded by pressure exerted through electrodes and passage of current therethrough, the improvement which consists in affecting the amount of local heating at a selected bi-metal electrode-work piece juncture by the steps of selecting the electrode-work piece juncture at which local heating is to be affected in the desired way, and of at least initially controlling the welding current so that the flow thereof at that juncture is in a direction selected to produce the desired effect, whereby at least the initial current flow may be directed to minimize or maximize the total local heating developed at the particular selected juncture between an electrode and a work piece.

2,276,011

MEANS FOR LOCATING DEFECTS IN METAL ARTICLES

Arthur E. F. Billstein, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 9, 1940, Serial No. 364,955
15 Claims. (Cl. 175—183)



1. Defect locating means for testing rail subject to a natural magnetic field comprising, a main detector including spaced sets of oppositely wound aligned coils for coaction with the rail head top surface, an auxiliary detector with corresponding coils coactive with the side face of said head and in series with the first mentioned coils, and means flexibly supporting the auxiliary detector in spaced relation to the main detector.

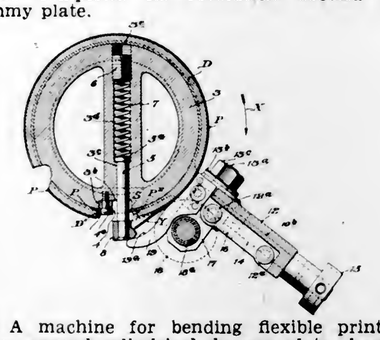
2,276,012

PLATE FORMING MACHINE

James L. Blackley, Battle Creek, Mich., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application August 14, 1940, Serial No. 352,595
18 Claims. (Cl. 153—46)

1. A machine for bending flexible printing plates around cylindrical dummy plates having longitudinal gaps; comprising a fixed member adapted to hold the dummy plate; a frame mounted coaxially of the dummy plate and adapted to rotate around the same; a presser roll freely rotatable in said frame and adapted to contact with said dummy plate; means for holding one end of a flexible printing plate against one side wall of the gap in the dummy plate whereby as the frame is revolved the printing plate will be rolled around the periphery of the dummy plate; and means for automatically bending the other end of the printing plate into contact with the other side wall of said gap as the frame completes its revolution around the dummy plate.



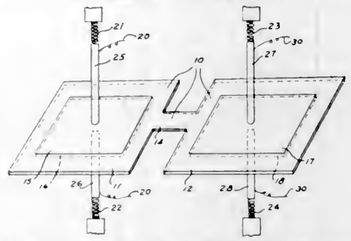
6. A machine for bending flexible printing plates around cylindrical dummy plates having longitudinal gaps; comprising a fixed drum adapted to fit within and support the dummy plate; a frame mounted coaxially of the drum and adapted to rotate around the dummy plate; a presser roll freely journaled on said frame opposite the drum; means for clamping one end of a flexible printing plate to one side wall of the gap in the dummy plate whereby as the frame is revolved the printing plate will be rolled around the periphery of the dummy plate; and means operable by the frame as same completes its revolution around the drum for automatically bending the other end of the printing plate into contact with the other side of the gap.

2,276,013

APPARATUS FOR ELECTRICAL TRANSFORMATION

William B. Bohannon, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 8, 1939, Serial No. 278,087
7 Claims. (Cl. 178—44)



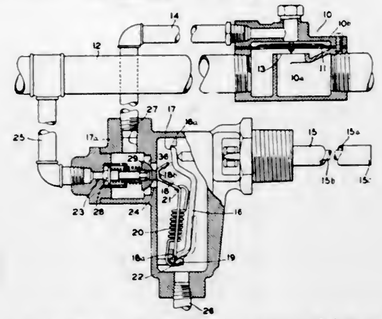
1. An apparatus for electrical transformation which comprises a condenser having a dielectric member and two metallic members on the dielectric member and insulated from each other thereby, a second condenser having a dielectric member and two metallic members on the dielectric member and insulated from each other thereby, and a rigid member of smaller cross section than either dielectric member and rigidly connected to and between the two said dielectric members to transmit mechanical vibrations of a limited range of frequency only of the one dielectric member to the other.

2,276,014

THERMOSTATIC CONTROL MECHANISM

Carlton W. Bondurant, Euclid, Ohio, assignor to The Titan Valve & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 11, 1939, Serial No. 308,595
2 Claims. (Cl. 236—81)



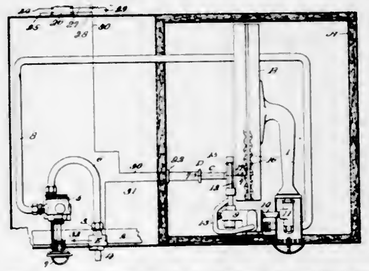
1. Valve control mechanism comprising casing means having first and second valved openings alined in opposite walls of said casing means, two valves, one for each opening, said valves seating in opposite directions toward their respective openings, connecting means for said valves including a stem providing a lost motion connection permitting relative movement between said valves longitudinally of said stem, abutment means associated with said lost motion connection permitting one of said valves to be open when the other valve is closed and preventing both of said valves being closed at once, a lighter spring urging the valve at said first opening toward closed position, a heavier spring urging the valve at said second opening toward closed position, and an over-center snap acting device controlling said valve at said second opening, said device being adapted to move the said valve against the effect of said heavier spring.

2,276,015

AUTOMATIC IGNITION SYSTEM FOR BURNERS

Almer H. Brodbeck and Edwin H. Kahler, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application March 25, 1941, Serial No. 385,129
19 Claims. (Cl. 158—117.1)



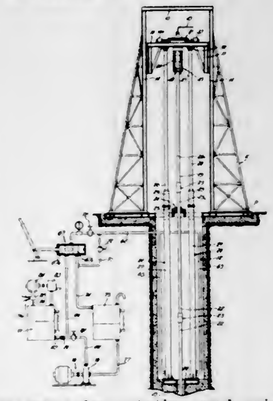
1. The combination comprising, a main burner, a pilot burner for igniting said main burner, a manually operable valve for initially controlling the supply of fuel to both of said burners, a normally closed safety valve stopping the flow of fuel to the main burner from said manually operable valve, a thermo-responsive member operable by the heat generated by said pilot burner to open said safety valve, an open electric circuit including an electric igniter in lighting relationship to the fuel issuing from said pilot burner, a switch in said circuit operable by said manual fuel valve to close said circuit when said valve is moved to an open position, and means put into operation by the opening of said manual fuel valve to automatically cause said switch to open after a predetermined duration of time.

2,276,016

HYDRAULIC WELL-DRILLING APPARATUS

John E. Brantly, Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 22, 1940, Serial No. 325,294
9 Claims. (Cl. 255—22)



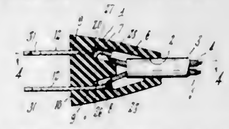
1. In apparatus for rotating and raising and lowering a well pipe string made up of connected sections, means operated by hydraulic pressure for elevating and controlling lowering of the pipe string, a releasable connection between said means and the pipe string, means for independently vertically supporting the pipe string below a top section thereof, said hydraulic pressure operated means being movable vertically above said supporting means a distance sufficient to permit removal from or insertion of said top section between said connection and the pipe string supported by said supporting means, and means for utilizing energy created by lowering of the pipe string for raising the first mentioned means after disconnection from the lowered pipe string.

2,276,017

ELECTRIC CORD PLUG

Arthur Brownstein, Bridgeport, Conn., assignor to Colonial Company, Attleboro, Mass., a corporation of Rhode Island

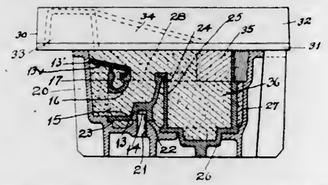
Application October 6, 1939, Serial No. 298,229
3 Claims. (Cl. 173—361)



1. A cord plug comprising a one piece resilient body having a pair of prong-receiving slots extending inwardly from one face, a cord-receiving

opening extending into said body from another face, said cord-receiving opening having a forked extension leading to said slots and presenting a pair of shoulders, each of said slots having an integral projection at one edge forming front and rear shoulders, the rear shoulder merging with one of said forked extension shoulders, and a pair of prongs each lying in one of said slots and having a side portion partly cut away to receive one of said projections and engage on its front and rear shoulders, said cut away portion being struck laterally of the plane of said prong and engaging the shoulder of one of said forked extensions.

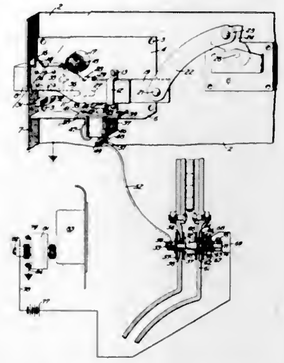
2,276,018
METAL FOUNDING
Donald J. Campbell, Spring Lake, Mich.
Application June 7, 1941, Serial No. 397,012
2 Claims. (Cl. 22—193)



1. In metal founding, the method of producing hollow molds of granular sandlike material, the method consisting in providing a box in which to form a mold portion, mounting in the box an insert of low temperature melting material and a second insert of metal having a higher melting temperature than the first named insert and to form an outflow gate for the material of the first named insert and extending from the first named insert to the exterior of the mold portion, filling and packing granular mold material having a binder mixed therewith in the said box against the said inserts, placing a drier plate having a trough over the open side of the box and against the mold material, turning the drier, box and mold material over until the drier is under the box, withdrawing the box from the mold material, placing the drier and mold material in an oven and drying the mold material at sufficiently high temperature to first melt and liquify the first named insert and thereafter melt the second named insert sufficiently to allow the liquified metal of the first named insert to flow through the gate formed by the second named insert and into the said trough.

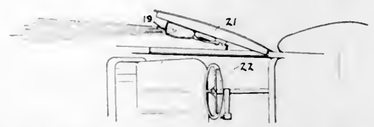
2,276,019
AUTO DOOR LOCK
John F. Ching, Berkeley, Calif.
Application November 17, 1939, Serial No. 304,959
1 Claim. (Cl. 292—150)

In an auto door lock having a frame provided with a slidably reciprocable lock bolt, a fixed guide on said frame, and a draw bar slidable in said fixed guide and connected with and to move said lock bolt, said draw bar comprising a pair of contiguously disposed draw bar sections, the first of said draw bar sections having a spur rising therefrom and the second of said draw bar sections being provided with a lug overlying said first draw bar section and engageable by the spur thereof when the first draw bar section is moved so as to connect the draw bar sections for movement together in one direction and allow free movement of said first draw bar section in an opposite direction relative to the second draw bar section, an additional lug on said second draw bar section being positioned in spaced relation with the adjacent end of said fixed guide, the combination of a metal frame forming a magnetic circuit mounted on said lock frame adjacent said end of the guide and provided with an en-



ergizing coil and a movable armature, and said armature having an enlarged head portion substantially equal in width to the space between said additional lug and the end of said guide and entering said space when the coil is energized so as to dog said draw bar sections against movement toward said guide.

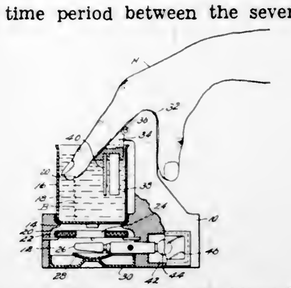
2,276,020
ARMREST AND UTILITY LIGHT
John Chipka, Sharon, Pa.
Application October 22, 1940, Serial No. 362,178
5 Claims. (Cl. 296—1)



1. In a device of the class described, the combination of a body member forming an arm rest adapted to be affixed to the inner surface of an automobile door, one end of the said body member tapered in relation to the mounting side thereof, and a light positioned in the said tapered end of the body member adapted to illuminate the area at the side and rear of the automobile at such times as the door to which the arm rest is attached is partially open.

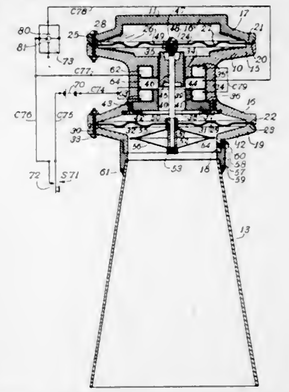
2,276,021
METHOD OF AND APPARATUS FOR DETERMINING BLEEDING TIME
Alfred L. Copley, Kansas City, Kans., and Joseph J. Lalich, Kansas City, Mo.
Application April 24, 1941, Serial No. 390,142
7 Claims. (Cl. 128—2)

4. The method of determining the bleeding time of a human comprising immersing a human body member in a transparent receptacle containing an isotonic saline solution maintained at substantially the human body temperature, directing a relatively strong light through said saline solution, severing blood vessels in said body member within said solution, then measuring the time period between the severing said



blood vessels and the instant the blood flow from said severed blood vessels stops.

2,276,022
SOUND PRODUCER
Irvin W. Cox, Milwaukee, Wis., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 30, 1939, Serial No. 306,803
2 Claims. (Cl. 172—126)



1. A sound producer comprising a magnetic field structure including a continuous longitudinally extending outer wall and first and second continuous longitudinally extending inner walls, said first and second inner walls being spaced laterally with respect to said outer wall and magnetically connected thereto, said first and second inner walls being spaced longitudinally with respect to each other and having aligned longitudinally extending openings provided therein, a magnetic armature, means for resiliently mounting said armature for reciprocatory movement within the aligned openings provided in said first and second inner walls, said armature having a normal position wherein it is disposed in closer proximity to said first inner wall than to said second inner wall and an operated position wherein it is disposed in substantially equal proximities to said first and second inner walls, said resilient mounting biasing said armature toward its normal position, a field winding and an operating winding coupled to said field structure, said field structure and said field winding and said operating winding being so connected and arranged that when said field winding is energized and said operating winding is deenergized said armature is moved against its bias from its normal position to its operated position and that when said field winding and said operating winding are deenergized or energized said armature is moved by its bias from its operated position to its normal position, and a vibratory diaphragm operatively connected to said armature.

2,276,023
PRODUCTION OF 1.3-BUTADIENE
Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Adolf Cantzler, Mannheim, and Hans Krekeler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application July 7, 1939, Serial No. 283,184. In Germany July 12, 1938
4 Claims. (Cl. 260—680)

1. A process for the production of butadiene which comprises leading a mixture of n-dichlorbutane and vaporized hydrochloric acid of constant boiling point through a reaction vessel heated to temperatures exceeding 500° C., but below those at which substantial splitting of the carbon chain occurs.

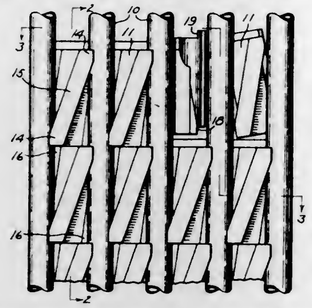
2,276,024
SWITCH MECHANISM
Gilbert Currie, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1941, Serial No. 376,413
7 Claims. (Cl. 74—97)

1. Switch mechanism comprising a rotatable crank arm having an operating pin therefor, a fixed pin, a rotatable operating member, a floating cam member having a lost-motion connection to the operating member and provided with two angularly disposed cam surfaces one of which engages the fixed pin and the other of which engages the operating pin, one of said cam surfaces having a recess therein for receiving said operating pin, and a spring connecting said operating member and said floating cam, said fixed pin being disposed between said operating pin and the point of engagement between the operating member and the floating cam.

2,276,025
WATER COOLED BAFFLE AND WALL
George W. Davey, Worcester, Mass.
Application April 29, 1940, Serial No. 332,146
8 Claims. (Cl. 110—98)

3. A water cooled baffle or wall adapted to be exposed at its front side to the heat of a furnace and comprising a row of spaced parallel

water tubes, and a row of blocks located between each pair of adjacent tubes and provided with two concave surfaces at opposite sides in engagement with the rear surfaces of the tubes, each block being generally rectangular in shape



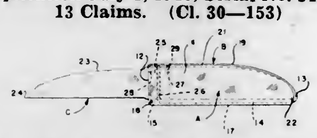
as viewed from the front, and having two lugs on opposite sides thereof which engage the front surfaces of the tubes to lock the block in place, the lugs being located adjacent diagonally opposite corners of the blocks.

2,276,026

POCKETKNIFE

Andrew J. Davidson, Jr., Detroit, Mich., assignor of one-half to Emil A. Dwiggins, Detroit, Mich.

Application July 1, 1940, Serial No. 343,484
13 Claims. (Cl. 30—153)



1. A knife having a blade, a carrier for the blade, and a casing for the blade and carrier, the casing being a channel-shaped member, the carrier being an elongated U-shaped guard for the blade, the end of one arm of the U at the open end of the carrier being pivoted between the sides of the channel of the casing at one end thereof so that the guard may swing laterally into and out of the channel of the casing, the width of the guard being slightly greater than the width of the channel casing so that the other arm of the U is disposed at the longitudinal edges of the channel to close the latter when the guard is within the channel of the casing, the base or closed end of the U-shaped guard projecting slightly beyond the other end of the channel casing when the guard is within the channel of the casing so as to be available as a fingerpiece for moving the guard out of the casing, and one end of the blade being pivoted between the arms of the U in the pivoted open end of the latter so as to swing endwise of the guard from a position wholly within the same to a position projecting endwise therefrom when the guard is swung clear of the casing.

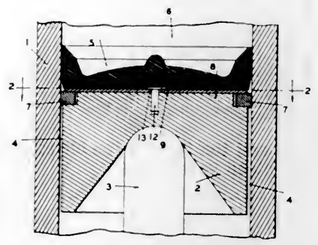
2,276,027

PISTON AND PACKING CUP

Burns Dick. Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application May 20, 1939, Serial No. 274,690
14 Claims. (Cl. 309—33)

1. In fluid pressure apparatus of the class described, a cylinder, a piston therein having a clearance with respect to the cylinder wall, a flexible packing cup associated with the piston and the cylinder wall, means for preventing the packing cup from being forced by fluid pressure into the clearance space, said means comprising



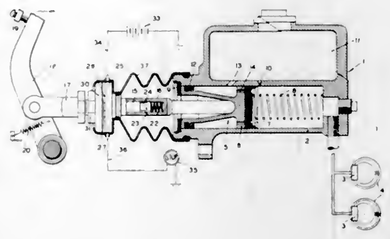
a resilient split ring carried by the end of the piston and constantly engaging the wall of the cylinder, and a thin member overlying the gap between the inner surface of the ring and the adjacent surface of the piston.

2,276,028

SWITCH

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application October 11, 1939, Serial No. 298,899
4 Claims. (Cl. 200—59)



1. In braking apparatus, a master cylinder for producing fluid pressure, a member for operating said device, a push-rod between the member and master cylinder and comprising two parts capable of relative movement prior to operating the master cylinder, a normally open electrical switch so mounted and associated with the parts as to be caused to assume closed position by the relative movement of the parts toward each other, and a dust excluding boot surrounding the push-rod and enclosing the switch.

2,276,029

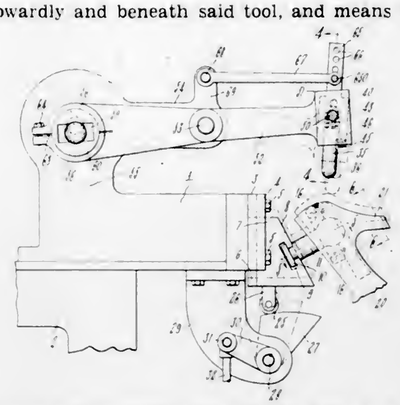
SHOE UPPER SHAPING MACHINE

Milton L. Dodge, Newburyport, Mass.

Application August 19, 1939, Serial No. 291,051
13 Claims. (Cl. 12—51)

1. A machine of the class described comprising an upper shaping tool, means for moving said tool, means for supporting a shoe beneath said tool, said supporting means presenting the counter portion of said shoe adjacent to the sole

upwardly and beneath said tool, and means for



moving said support upwardly to bring a shoe thereon into operative relation to said tool.

2,276,030

TREATMENT OF SUBSTANTIALLY SOLID RESINOUS LINEAR CONDENSATION POLYMERS

Archie L. Dubeau, Lewiston, James Douglas MacMahon, Niagara Falls, and George P. Vincent, New York, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application June 23, 1939, Serial No. 280,817
5 Claims. (Cl. 260—78)

1. In the processing of a substantially solid thermoplastic resinous body composed of a synthetic linear condensation polymer capable of being drawn into relatively pliable strong fibres showing by characteristic X-ray patterns orientation along the fibre axis, said polymer being selected from the group consisting of polyamides, polyesters and polyanhydrides derived from carboxylic acids, the improvement which comprises increasing the amenability of the body to dyeing by subjecting it to the action of an alkaline aqueous solution containing substantial proportions of hypochlorite ions.

2,276,031

PREPARATION OF LEAD-SODIUM ALLOYS

Harry H. Fisher, Baton Rouge, La., and Alfred E. Parmelee and Joseph L. Stecher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 13, 1941, Serial No. 397,936
12 Claims. (Cl. 75—167)

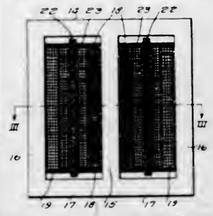
1. The method of making lead mono-sodium alloy which comprises melting 9 parts of lead and 1 part of sodium, adding from about 15% to about 60% of the molten lead to a reaction vessel provided with means for agitation and means for heat transfer and then gradually adding the molten sodium and the rest of the molten lead simultaneously in the proportion of from about 7.65 to about 3.6 parts of lead for each part of sodium and at such rate that the temperature of the reaction mass is maintained between 367° C. and about 425° C., and mixing the lead and sodium by agitation of the reaction mass during the addition of the sodium and until the formation of the alloy is complete.

2,276,032

ADJUSTABLE REACTANCE TRANSFORMER

Jesse B. Gibbs, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1940, Serial No. 348,723
8 Claims. (Cl. 171—119)



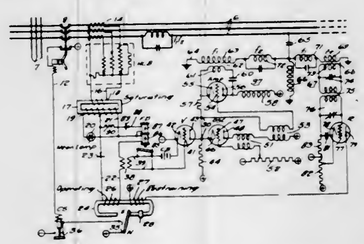
1. A variable reactance transformer comprising a core of magnetic material having a winding leg, primary and secondary windings positioned about said winding leg, one of said windings being positioned about the other, a shunt of magnetic material positioned between the primary and secondary windings and means for adjusting the flux density of said shunt comprising a winding thereon and means for including said winding in circuit with one of said above-named windings.

2,276,033

PILOT-CHANNEL PROTECTIVE RELAYING SYSTEM

Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 10, 1940, Serial No. 356,150
40 Claims. (Cl. 175—294)



1. The combination, with an alternating-current transmission-line section to be protected, and line-segregating circuit-interrupting means for disconnecting the line from other apparatus, of line-fault-responsive relaying-means for actuating said line-segregating circuit-interrupting means so as to effect a disconnecting operation; said line-fault-responsive relaying-means being of a type which utilizes a current obtained from some other point in the transmission line for assisting in protecting the line-section against internal faults while avoiding a line-segregating operation in the event of a transmission-line fault occurring beyond said other point; characterized by said line-fault-responsive relaying-means including means responsive approximately to alternate half-cycles of a line-current function at the relaying point for providing a first unidirectionally pulsating relaying current at said relaying point, communicating-channel means responsive approximately to alternate half-cycles of a corresponding line-current func-

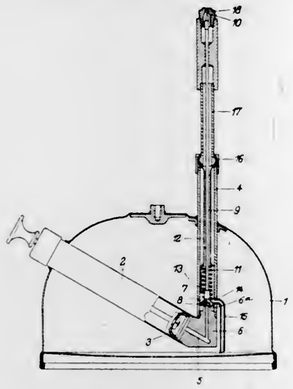
tion at said other point for providing, at the relaying point, a second unidirectionally pulsating relaying current which is responsive, in some measure, to said line-current function at said other point, the unidirectional pulsations of the two unidirectionally pulsating relaying currents at said relaying point being approximately coincident in time-phase in the event of a transmission-line fault occurring beyond said other point, and electro-responsive means at the relaying point for differentially responding, in some measure, substantially exclusively to both of said unidirectionally pulsating relaying currents at said relaying point, to effect a predetermined control over the line-segregating circuit-interrupting means.

2,276,034

IMPROVED JET CLEANING MEANS

Sigurd Gronow, Berlin, and Hermann Lahde, Berlin - Rummelsburg, Germany, assignors to Ehrich & Graetz, Aktiengesellschaft, Berlin, Germany

Application January 18, 1940, Serial No. 314,436
In Germany January 26, 1939
3 Claims. (Cl. 158—120)



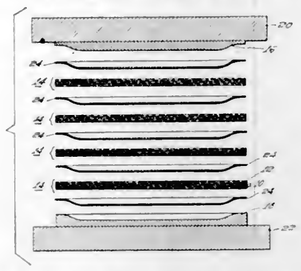
1. In liquid fuel combustion apparatus, the combination of container means for containing liquid fuel, jet means, hollow passage means connecting said jet means with said container means for affording flow of the liquid fuel from said container means to said jet means, needle means for cleaning said jet means disposed within said hollow passage means, said needle means having a pointed end disposed normally adjacent said jet means and further including a rod member disposed reciprocably within said hollow passage means, piston means controlling said rod member, air pump means extending into said container means for supplying air under pressure within said container means, fluid passage means connecting the discharge of said air pump means within a zone proximate said piston means, and resilient means biasing said rod member and said piston means toward the discharge opening of said hollow passage means, whereby upon actuation of said air pump means for supplying air under pressure within said container means in conjunction with said resilient biasing means said rod member is reciprocated within said hollow passage means affording movement of said needle means within said jet means to clean the same.

2,276,035

METHOD OF MOLDING LAMINATED ARTICLES

Henry C. Guhl, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 24, 1940, Serial No. 347,232
6 Claims. (Cl. 154—2)



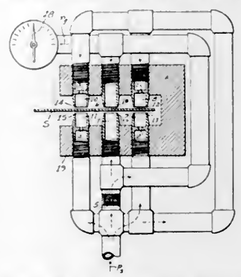
1. The method of molding laminated articles having curved surfaces between dies of predetermined curved contour which comprises, stacking fibrous sheets impregnated with heat responsive synthetic resin in groups alternately with thin distortable resilient metallic sheets of a thickness of $\frac{1}{32}$ to $\frac{3}{32}$ inch and of the same curved contour as the dies, applying heat and pressure to the dies to shape the groups of sheets and effect the curving of the groups to fix the shape given them, the thin metallic sheets being distorted during the die pressing operation to exert a lateral pull on the groups of sheets to cooperate in shaping the groups of sheets to the curved contour of the dies.

2,276,036

PNEUMATIC THICKNESS GAUGE

Clinton R. Hanna, Pittsburgh, and Stanley J. Mikina, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 23, 1940, Serial No. 366,876
11 Claims. (Cl. 33—174)



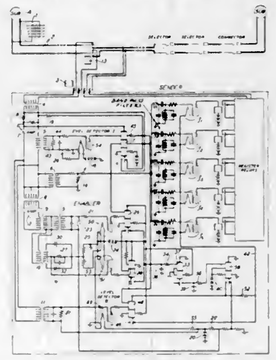
1. Apparatus for measuring the thickness of sheet material including a source of air pressure, a pair of nozzles connected to said source and located in proximity to said sheet material on opposite surfaces of a portion thereof, and pneumatically responsive indicating means responsive to changes of pressure due to changes of the gaps between the nozzles and sheet material portion for measuring changes in thickness of said sheet and an additional pair of oppositely disposed nozzles connected to said source and located in proximity to and at opposite surfaces of a portion of said sheet material for pneumatically supporting said sheet material without mechanical contact.

2,276,037

TELEPHONE SYSTEM

George Hecht, Astoria, N. Y., and Alexis A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 7, 1940, Serial No. 355,711
7 Claims. (Cl. 179—18)



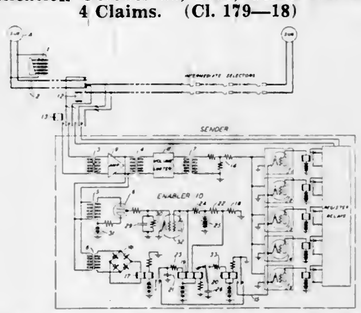
1. A transmission line comprising a detector channel, means for activating said channel to respond to incoming signal energy for an interval subsequent to the removal of said signal from said line, and means responsive to a plurality of different levels of said signal energy for maintaining the energy response of said channel at a predetermined level.

2,276,038

TELEPHONE SYSTEM

George Hecht, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 23, 1940, Serial No. 362,346
4 Claims. (Cl. 179—18)



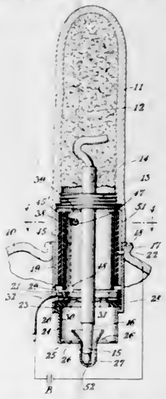
1. An enabler circuit for the channel detectors of a transmission line adapted to apply a potential to the detector elements of said channel detectors for activating the same to respond to incoming signal energy, comprising a gas-filled electronic device operative in response to incoming signal energy, a vacuum tube provided with a cathode-anode circuit over which current normally flows, timing means included in said cathode-anode circuit for applying a potential to the detector elements of said channel detectors, and means responsive to the current intensity in the anode circuit of said gas-filled electronic device for reducing the current flow in the cathode-anode circuit of said vacuum tube whereby the operating time of said timing means is controlled for applying a potential to the detector elements of said channel detectors.

2,276,039

ELECTRIC RESISTANCE LIGHTER

George J. Horther, Flushing, N. Y.

Application October 25, 1940, Serial No. 362,707
5 Claims. (Cl. 175—296)



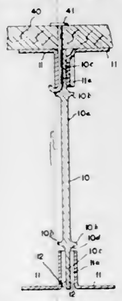
1. In an electric resistance lighter, an exchangeable resistance carrier having conductive outer and dielectric inner members, a resistance element and contact means leading therefrom secured to said inner member, element protective means provided with said outer member, a torch detachably engaging said carrier and having a wick-accommodating, conductive extension projecting into the carrier, said extension serving for bridging one of the element contact means with said conductive outer member for closing an electric circuit adapted to energize said element.

2,276,040

STRUCTURAL ELEMENT

Alva M. Hull, Detroit, Mich., assignor of one-fifth to Francis D. Hardesty, Detroit, Mich.

Application May 26, 1939, Serial No. 275,941
4 Claims. (Cl. 189—37)



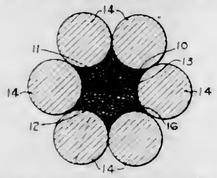
1. A structural element consisting of a metal web plate having angle-irons welded to the faces of the marginal portions thereof to form flanges or chord portions, said angle-irons having at

intervals small areas outwardly and uniformly displaced and having such areas welded to the web plate, whereby the greater portion of said angle-iron is uniformly spaced from the face of the web plate, and said web plate having longitudinal ribs adjacent and spaced from the inner edges of said angle-irons and arranged opposite the space between the latter and the web plate.

2,276,041
METHOD OF MANUFACTURING CHLOROSULPHONATES
Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 3, 1939, Serial No. 302,669
4 Claims. (Cl. 23—50)

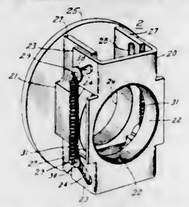
1. In a process for the production of a chlorosulphonate, the step comprising reacting a chloride with gaseous sulphur trioxide in the presence of a minor amount of vapors of added hydrogen chloride and chlorosulphonic acid, the amount so added being not substantially less than five hundredths per cent of the volume of sulphur trioxide.

2,276,042
WIRE ROPE CONSTRUCTION
Ernest V. Jacobson, Ironwood, Mich.
Application August 26, 1940, Serial No. 354,304
1 Claim. (Cl. 57—146)



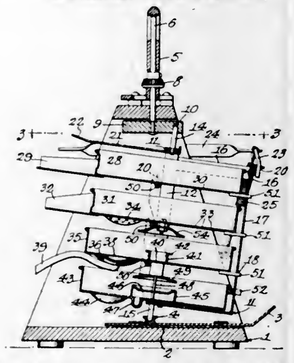
A wire rope comprising a plurality of wire strands helically wound around a yieldable central core, and live rubber interposed between the outer strands and the central core whereby the rope will be inherently flexible and whereby the rubber is sufficiently formative to permit the outer strands to move toward the central core when a load is applied to the rope, the said rubber entering the interstices between the core and wire strands so that no water may be trapped therein by closing of the strands about the said core.

2,276,043
CENTRIFUGAL SWITCH
Francis J. Johns, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1940, Serial No. 319,282
8 Claims. (Cl. 200—80)



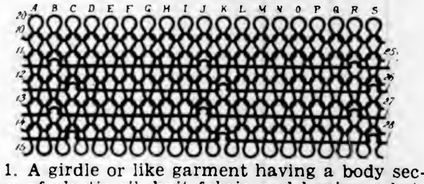
1. A centrifugal switch comprising a stationary member having a pair of contacts thereon, means on the stationary member for biasing the contacts to the open position, a rotatable member including a fixed element adapted to be secured on a shaft for rotation therewith and a movable element supported on the fixed element and movable axially of the shaft, said movable element being in engagement with the stationary member when the shaft is at rest to hold the contacts closed, and a pair of weight bars extending through slots in both the fixed and movable elements, said slots being arranged to permit the bars to move outwardly of the shaft under the influence of centrifugal force and the slots in the fixed element being disposed to cause the movable element to be moved away from the stationary member by outward movement of the bars.

2,276,044
MINERAL CONCENTRATOR
Arthur Alvah Johnston, Spokane, Wash.
Application July 10, 1939, Serial No. 283,701
3 Claims. (Cl. 209—44)



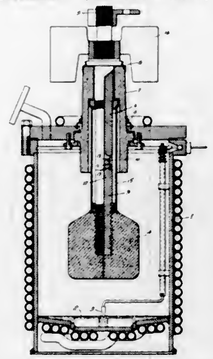
1. In a device of the class described, a support, a frame, a mineral-receiving mechanism carried by the frame and embodying upper and lower pan-like members, each of said members having a collecting depression offset with respect to said axis, the bottom of the upper of said members having central outlet means discharging into the lower of said members, a bearing wherewith the lower end of the frame is engaged: means on the support for moving the upper end of the frame orbitally about an axis determined by the position of the bearing, and means for restraining the frame against rotation, all of said means cooperating to produce spot-assembly in the heavier portions of the mineral in said mechanism.

2,276,045
GIRDLE
Emil D. Kattermann, Dover, N. J., assignor to Swiss Knitting Company, Dover, N. J., a corporation of New Jersey
Application November 9, 1939, Serial No. 303,495
2 Claims. (Cl. 66—176)



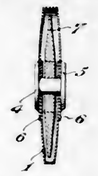
1. A girdle or like garment having a body section of elastic rib knit fabric and having a bottom band formed of elastic, smooth, non-friction yarn, said bottom band only having a plurality of courses of laid in elastic yarn under tension extending circumferentially around the band and tending to contract the band, when stretched, said laid in yarn being knitted in the fabric at spaced wales and being laid in between said spaced wales.

2,276,046
RECTIFIER ANODE
Lee A. Kilgore, Wilkinsburg, and Henry C. Myers, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 16, 1940, Serial No. 324,386
5 Claims. (Cl. 250—27.5)



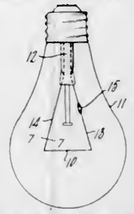
1. A vapor-electric device comprising an evacuated container, a vaporizable reconstructing cathode therein, an anode therein, an anode-stem, a vacuum-tight bushing of insulating material for supporting said anode-stem as it passes through the top of said container, and means for causing an arc-discharge between said anode and cathode; said anode-stem having a junction-means for securing it within said bushing, said bushing having a tubular skirt-portion depending from said junction-point and surrounding a portion of the anode-stem in spaced relation thereto, substantially all of said skirt-surrounded portion of the anode-stem being of a cross-section and material such as to give it a good thermal conductivity so as to minimize the temperature-differences imposed on different portions of the surrounding skirt-portion, and said anode-stem having a second portion between said skirt-surrounded portion and the anode arranged with such cross-section and material somewhere therein so as to have a relatively poor thermal conductivity so as to cause a relatively large temperature-drop in said second portion.

2,276,047
LIP COLORING DEVICE
Alfred Kürth, Montevideo-Pocitos, Uruguay
Application March 12, 1941, Serial No. 382,999
In France May 1, 1940
3 Claims. (Cl. 132—88.7)



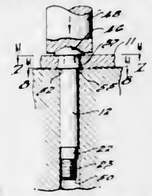
1. A device for applying color to the lips comprising, a casing including two housing parts movable with respect to each other, a disc of coloring material mounted within said casing, and the peripheral portion of said disc being relatively thin.

2,276,048
LAMP MAKING METHOD
Clemens A. Laise, deceased, late of Tenafly, N. J., by Fidelity Union Trust Company, Newark, N. J., and Rudolph Sievert, Weehawken Township, Hudson County, N. J., executors, assignor to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware
Original application March 23, 1935, Serial No. 12,567. Divided and this application June 7, 1939, Serial No. 277,944
1 Claim. (Cl. 176—7)



The method of making an incandescent lamp of high efficiency which comprises forming a filament of tungsten containing a boron compound, coiling said filament, heating said coiled filament to from 1000° C. to 1500° C. in an atmosphere of wet hydrogen until said coiled filament obtains a permanent set, mounting said filament in a lamp, exhausting and sealing said lamp and flashing said filament in said lamp at an over-voltage, thereby bringing said filament instantaneously up to the germinating temperature of the grains and producing long sections of filament and interlocking boundaries between said sections.

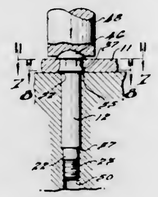
2,276,049
SHACKLE STRUCTURE
John W. Leighton, Port Huron, Mich.
Application August 25, 1939, Serial No. 291,959
3 Claims. (Cl. 287—20)



3. A connection comprising a bar having an opening therethrough which is formed from two portions extending inwardly respectively from opposite sides of the bar, one of such portions being generally smaller than the other and substantially uniform in cross-section from the side of the bar to its junction with the other portion of the opening, the other of such portions being generally frusto-conical with the smaller end thereof merging directly into the inner end of the smaller portion, and a trunnion projecting through said opening and having a head abutting the side of the bar around the outer end of said one of such portions of the opening, a generally cylindrical portion next to such head and engaged tightly with the smaller portion of the opening

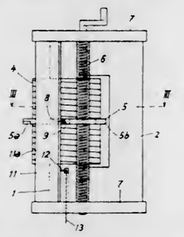
so as to lock the trunnion and bar against relative turning, and a portion comprising upset metal projecting substantially outwardly into the frusto-conical part of the opening so as to lock the trunnion against axial movement in the opening.

2,276,050
METHOD OF CONNECTING PINS TO BARS
John W. Leighton, Port Huron, Mich.
Application May 1, 1940, Serial No. 332,649
7 Claims. (Cl. 29—148)



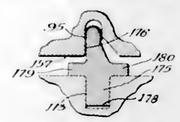
1. The method of connecting a pin or trunnion to a bar or the like, which comprises forming an opening in the bar wherein the opening is polygonal at one end and is enlarged at its other end, providing a pin with a shank portion and a larger rounded portion to be disposed in the opening and which larger portion is of such size that when forced into the polygonal portion the metal is pressed into rotary interlocking engagement, providing an axially tapered shoulder between the two portions of the pin, inserting the pin into the opening and forcing the enlarged portion into rotary locking engagement with the opening, and relatively moving a die substantially fitting the smaller shank portion axially against the shoulder to force the metal outwardly into the enlarged part of the opening.

2,276,051
REGULATING TRANSFORMER
George Leischner, Bonigen, near Interlaken, Switzerland
Application August 23, 1939, Serial No. 291,625
In Switzerland February 10, 1939
4 Claims. (Cl. 171—119)



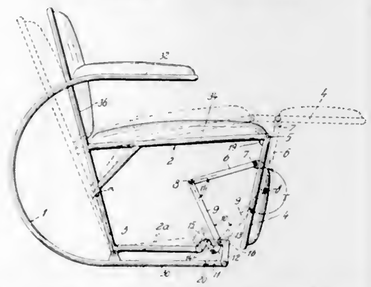
1. In a regulating transformer, an iron core, a regulating winding on said core with the turns thereof forming a substantially cylindrical outer surface, a ring-shaped collector of larger diameter than the outer surface of said regulating winding surrounding said winding, a threaded rotatable spindle extending longitudinally of said winding, means for moving said spindle eccentrically during rotation thereof, threads carried by said ring-shaped collector engaging the threads of said spindle whereby the collector is moved eccentrically into engagement with the outer surface of the regulating winding and longitudinally of the winding during rotation of the spindle, insulating means electrically separating parts of said collector ring, circumferentially spaced contact strips adapted to be engaged by parts of said collector ring, means extending through the core connecting said contact strips, and a terminal lead connected to said conducting means within the core.

2,276,052
FORMING-DIE APPARATUS
Harvey B. Lindsay, Evanston, Ill.
Application March 6, 1939, Serial No. 260,187
14 Claims. (Cl. 153—2)



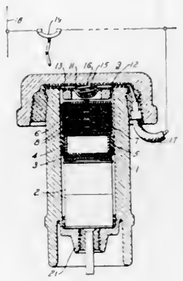
1. Die apparatus comprising die assemblies for relative movement toward and away from each other, one of said assemblies comprising relatively adjustable plates having die-bar-positioning portions and removable die bars, the other of said assemblies comprising relatively adjustable plates having die-forming portions, said die forming portions and said bar-positioning portions being provided in a plurality of similar arrangements a portion of each of which is on each of the plates of the respective assemblies, whereby the edges of sheets of different sizes or shapes may be deformed by application of said die bars selectively to the arrangements of said positioning portions and by adjusting said plates the size and shape of the product may be further varied.

2,276,053
ADJUSTABLE RECLINING CHAIR
Hans Luckhardt and Anton Lorenz, Berlin, Germany
Application July 24, 1939, Serial No. 286,152
In Germany April 8, 1939
12 Claims. (Cl. 155—106)



12. In an adjustable reclining chair or the like, a support, a seat structure, said seat structure being pivoted to said support, a leg-rest, said leg-rest being pivoted to the seat structure, a link, one end of said link being pivoted to an intermediate point of said leg-rest, and a bell-crank lever having a long arm and a short arm, said bell-crank lever being pivoted to said support, the long arm of said bell-crank lever extending upwardly from its pivot point and being pivoted to the other end of said link, and the short arm of said bell-crank lever being operatively connected to said seat structure.

2,276,054
SELF-CLEARING LIGHTNING ARRESTER
Leon R. Ludwig, Wilkinsburg, and Edward F. W. Beck, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1939, Serial No. 301,420
5 Claims. (Cl. 175—30)

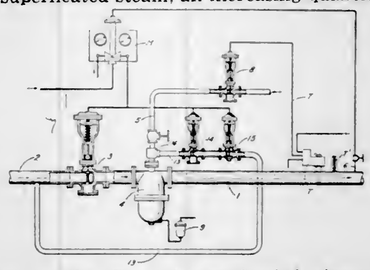


1. An excess-voltage protective device for discharging heavy surge-currents at an over-all voltage limited to a value suitable for the protection of lines having a limited short-circuit current, the short-circuit current of the line being at least of the order of 50 amperes, said device comprising a switch-gap part and a serially connected quench-gap part, said switch-gap part comprising at least one pair of spaced electrodes and an insulating separating member therebetween, said quench-gap part comprising a stack of closely spaced electrodes of non-arcing metal and insulating spacers therebetween, said closely spaced electrodes and spacers of the quench-gap part being capable of substantially interrupting the short-circuit current of the protected line, the insulating separating member or members of said switch-gap part being of a type suitable for reliably continuously withstanding the normal rated voltage of the protective device, and the insulating spacers of said quench-gap part being of a type unsuited to reliably continuously withstand the normal rated voltage of the protective device.

5. A lightning-arrester having a valve-type excess-voltage-responsive part, a series-gap part, and a rupturable casing-part, said rupturable casing-part being rupturable in response to a continuous current-flow of a predetermined magnitude or more, and said series-gap part being capable of substantially interrupting current of said predetermined magnitude or less.

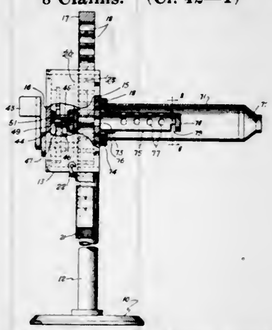
2,276,055
METHOD OF AND APPARATUS FOR DESUPERHEATING
Henry J. Mastenbrook, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application June 13, 1939, Serial No. 278,925
20 Claims. (Cl. 122—479)

1. The method of desuperheating steam which includes the steps of adding, to flowing superheated steam, water in amounts controlled with respect to the character of desuperheated steam, and mixing with the water, prior to its meeting the superheated steam, an increasing quantity of



steam as the flow of superheated steam decreases.

2,276,056
DEVICE FOR FIRING BLANK CARTRIDGES BEFORE MICROPHONES
Todd Maynard, Chicago, Ill.
Application November 25, 1939, Serial No. 306,132
8 Claims. (Cl. 42—1)

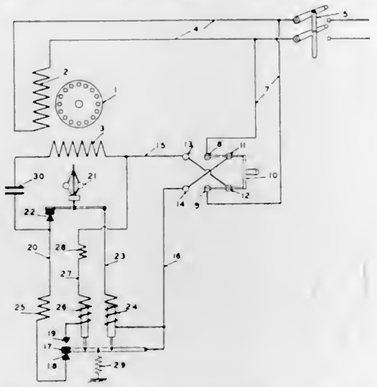


2. In an apparatus for firing blank cartridges before a microphone, a chamber for receiving a blank cartridge, and means for dampening the intensity of the sound waves of the explosion of said cartridge including a barrel, the sides of said barrel being apertured in a plurality of places throughout the length thereof and the front end of said barrel being closed, in communication with said chamber and extending forwardly therefrom, and a shield encircling and spaced from said barrel and projecting beyond the forward end thereof, said shield preventing the emanation of gases from the sides of said device and having a restricted open forward end spaced a substantial distance ahead of said apertured barrel.

2,276,057
SPLIT-PHASE MOTOR
Bradley T. McCormick, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 24, 1940, Serial No. 347,130
6 Claims. (Cl. 172—279)

6. In a split phase motor, a main winding, an auxiliary winding, a reversing switch for changing the direction of current in the auxiliary winding relative to the main winding circuit, a speed responsive switch in the auxiliary winding circuit, said auxiliary winding circuit having two branches one of which is controlled by the speed responsive switch, a duplex auxiliary switch controlling the other branch of said circuit, a solenoid in said first named branch for actuating

the auxiliary switch, an impedance in said second named branch to electrically balance said solenoid, a shunt circuit controlled by the auxiliary switch, and a holding coil in said shunt circuit for retaining the auxiliary switch in position



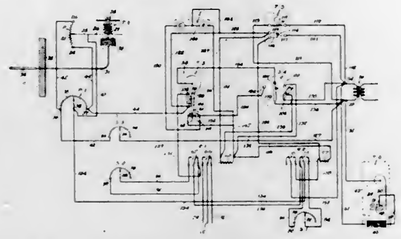
to hold the second named branch open after the solenoid is de-energized due to the opening of the first named branch by the speed responsive switch, the reversing switch operating to de-energize the holding coil.

2,276,058

TEMPERATURE CONTROL SYSTEM

John T. Midyette, Jr., New Rochelle, N. Y., assignor to Au-Temp-Co Corporation, New York, N. Y., a corporation of New York

Application October 24, 1939, Serial No. 300,924
7 Claims. (Cl. 236—91)



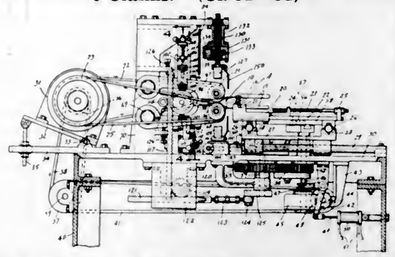
1. In a temperature control system for maintaining within limits the temperature of a space within a building, a source of heat to be delivered to said space, means for controlling the delivery of such heat to said space including a temperature-responsive device, a housing, a temperature-responsive device within said housing, means controlled by the last mentioned temperature-responsive device to maintain the same and the region immediately surrounding the same at a substantially constant temperature irrespective of atmospheric conditions within said space, means including said housing for subjecting the first mentioned temperature-responsive device to the influence of air conducted directly to said first mentioned temperature-responsive device from said constant temperature region, and means operating in accordance with variations in outside atmospheric conditions for delivering heat to said first mentioned temperature-responsive device in a varying and supplemental relation to the heat derived from said region.

2,276,059

GRINDING AND POLISHING MACHINE

Charles R. Moon, Muncie, Ind., assignor to Ontario Manufacturing Company, a corporation

Application June 13, 1940, Serial No. 340,265
6 Claims. (Cl. 51—84)



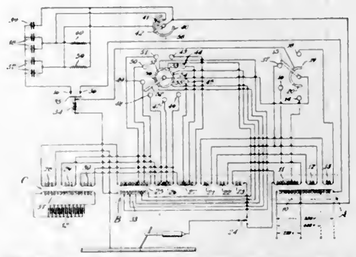
1. A grinding and polishing machine for processing metal articles having a curved surface, comprising a holder for securing said articles with their curved surfaces exposed, an abrasive spindle extending transversely of said surface in engagement therewith, driving mechanism for rotating said spindle, a pivotally mounted spindle head for carrying said spindle, a cam, a cam follower engaging said cam, means for adjusting said cam follower on said head, and means for moving said cam and imparting an oscillatory movement to said articles in timed relation for moving said spindle in conformity with the curvature of said articles during their relative movement.

2,276,060

WELDING APPARATUS

Frederick C. Owen, Fayetteville, N. C.

Application December 14, 1939, Serial No. 309,261
8 Claims. (Cl. 219—8)



1. Welding apparatus comprising a power transformer, an oscillating transformer, a reactor comprising a group of windings, the secondaries of the transformers being wound in groups, the reactor and the transformer secondaries being serially connected to constitute a welding circuit in which the work and electrode are serially included, the group members of the secondaries intervening electrically between the group members of the reactor, and means for selectively varying the group members actively in circuit.

2,276,061

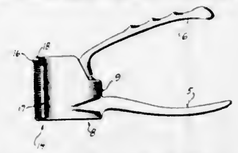
HAIR CLIPPER

John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application October 23, 1940, Serial No. 362,395
6 Claims. (Cl. 30—208)

1. In a clipper of the character described: a

pair of pivotally connected handles; a base on one of said handles providing a blade support; means on the adjacent portion of the other handle providing a blade reciprocating lever; a unitary cutter head detachably secured to said blade support and comprising, a stationary blade having cutting teeth, a movable blade having cutting teeth and slidable across the stationary blade to carry its teeth across those of the stationary blade, said movable blade having means for



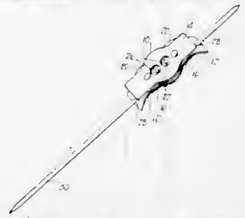
effecting a driving connection with the blade reciprocating lever, and spring tension means for holding the blades assembled with each other with a predetermined fixed spring tension; stationary stop abutments; and movable stop abutments on the movable blade arranged to collide with the stationary stop abutments for accurately defining the limits of motion of said movable blade, said movable stop abutments being accessible to an outside edge of the movable blade so that accurate machining thereof is inexpensive.

2,276,062

COUNTER

Morell Peyser, New York, N. Y.

Application February 7, 1941, Serial No. 377,770
2 Claims. (Cl. 235—114)



1. A counting device for attachment to a relatively elongated rigid element, said device comprising a top plate, a bottom plate, and a counter disc interposed therebetween, means to secure same together, the bottom plate being resilient and apertured at each end thereof and bendable away from the top plate from the points of securement to receive and retain the relatively elongated rigid element extending through said openings and beyond the ends of the device.

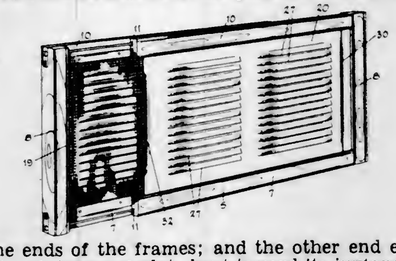
2,276,063

COMBINED SCREEN AND VENTILATOR

Samuel K. Prentice, Adrian, Mich.

Application March 6, 1940, Serial No. 322,541
1 Claim. (Cl. 98—99)

A pair of frames slidably connected together and each having three wooden side parts, wire screens secured in each frame; sheet metal strips for binding and covering the opposite surfaces of one end part of each of the screens; the binding metal strips at the said ends of each of the screens bent to the other screen to prevent entry of insects between the screens; each frame having slots in said sides; a pair of sheet metal louvered plates insertable and slidably movable in the slots and located outside of the screens; the end parts of the louvered plates having transversely extending beads for preventing sagging of the end parts of the louvered plates to readily direct the said ends of the plates to the slots of



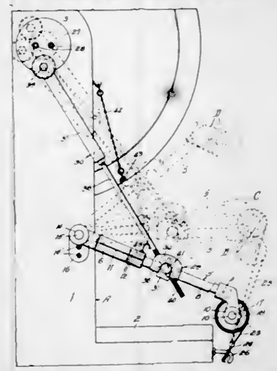
the ends of the frames; and the other end edge of each louvered plate bent toward its juxtaposed screen and in close storm-confining relation with respect to the binding metal strips.

2,276,064

SAFETY DEVICE FOR STAMPING PRESSES AND THE LIKE

Emil Sandel, St. Louis, Mo.

Application November 8, 1940, Serial No. 364,911
11 Claims. (Cl. 74—614)



1. In a stamping press having a crank-shaft and an operator's table disposed below and in advance of the crank-shaft, a safety device of the shade roller type including a rotatable guard member, said member being spring actuated in one direction of rotation, a flexible curtain guard wound upon the guard member, means for anchoring one end of the curtain guard to the frame of the press adjacent the operator's table, and means cooperating with the rotatable guard member and the crank-shaft operable during the first quarter revolution of the crank-shaft to elevate and simultaneously therewith rotate the guard member and thereby lengthen the flexible curtain guard between the point of anchorage thereof and the rotatable guard member and immediately in front of the work space above the operator's table.

2,276,065

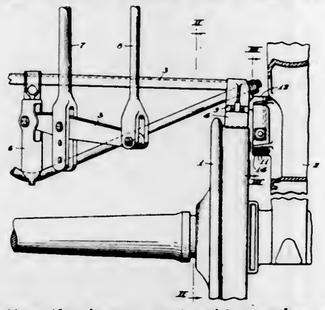
BRAKE BEAM HEAD

Frederic Schaefer, Pittsburgh, Pa.

Application August 2, 1940, Serial No. 350,032
4 Claims. (Cl. 188—212)

1. A brake head for use with a brake beam and car truck side frames having beam supporting ledges, said head being adapted to be rigidly connected to one end of the beam and to sup-

port a brake shoe, said head being provided with a laterally projecting member adapted to slidably rest on one of said side frame ledges for



supporting the beam, and said member extending forward past the shoe-engaging surface of the head for balancing the beam.

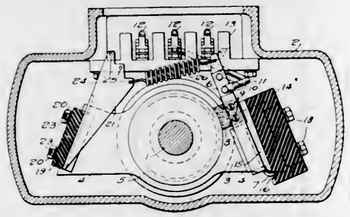
2,276,066

BRUSH-HOLDER ASSEMBLY

Raymond W. Schuck, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 16, 1940, Serial No. 319,293

5 Claims. (Cl. 171—324)



1. In combination with a dynamo-electric machine having a shaft with a current-carrying element thereon, a brushholder having a pivot at one end thereof, a support member mounted at one side of the shaft, said brushholder being disposed in a slot in said support member with its pivot engaging in a V-groove in the support member, but not being secured thereto and being free to move about the pivot, a spring secured to the opposite end of the brushholder from the pivot, and a support plate mounted at the opposite side of the shaft from the brushholder, one end of said spring being attached to the plate to draw the brushholder towards said current-carrying element.

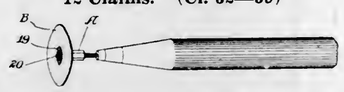
2,276,067

DISK HOLDING DEVICE

Ivar E. Siqveland, St. Paul, Minn.

Application July 8, 1941, Serial No. 401,508

12 Claims. (Cl. 32—59)



1. A disk holder comprising a threaded shank adapted to be supported in a dental hand piece, a substantially conically shaped spiral spring projecting from said shank, and nut means threadably engaged on said shank, said spring designed to threadably engage into an abrasive disk, and said nut operable on said shaft to compress said spring into a substantially flat plane to clamp said disk against said nut.

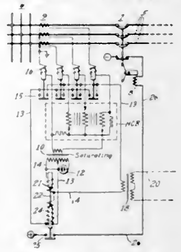
2,276,068

DIFFERENTRIAL PROTECTIVE RELAYING SYSTEM

Roy M. Smith, Livingston, and Myron A. Bostwick, Budd Lake, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 16, 1940, Serial No. 361,398

35 Claims. (Cl. 175—294)



1. The combination, with an alternating-current electrical apparatus to be protected, said apparatus having a first terminal where current normally enters the apparatus and a second terminal where current normally leaves the apparatus, under predetermined power-flow conditions, of means for deriving a first relaying-voltage having phases of pulsations predeterminedly responsive to the phase of predetermined currents, at least including currents of fault-magnitude, in said first terminal, means for deriving a second relaying-voltage having phases of pulsations predeterminedly responsive to the phase of predetermined currents, at least including currents of fault-magnitude, in said second terminal, a two-wire conductive circuit joining the corresponding output-terminals of said first and second relaying-voltage means, a fault-responsive relaying-means so associated with said two-wire conductive circuit as to be responsive both to the magnitudes and to the relative directions of the two relaying-voltages, and current-responsive control-means responsive, in some manner, to the amount of current flowing in at least one of said terminals of the protected apparatus for changing the response-conditions of said fault-responsive relaying-means in such manner as to vary the relative strength of the directional part of its operational control

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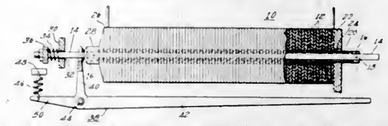
2,276,069

PILE RESISTOR

Walter H. Smith, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 7, 1940, Serial No. 355,788

4 Claims. (Cl. 201—51)



1. A pile resistor comprising, a plurality of discs of resistance material having central open-

ings therein, an insulating member extending through the central openings to support the discs in stacked alignment, a stop disposed at one end of the aligned discs, means for applying pressure disposed at the other end of the aligned discs for applying pressure to the discs and moving the insulating member longitudinally through the stack, and a spring means separate from the pressure applying means disposed for effecting a positive movement of the insulating support member in a direction away from the stop, the frictional resistance between the discs and the insulating member as the insulating member moves therethrough effecting an even separation of the discs throughout the stack when pressure is released.

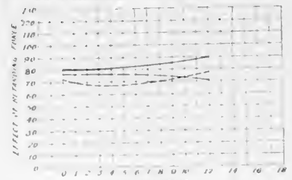
2,276,070

FRICTION ELEMENT

Ray E. Spokes, Ann Arbor, Mich., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Application August 31, 1939, Serial No. 292,792

15 Claims. (Cl. 260—763)



1. A friction element containing friction material, a bond, and agglomerates of graphite particles, each of said agglomerates containing a multiplicity of graphite particles bonded together by rubber prior to being mixed with the friction material and bond, each of said agglomerates containing a sufficient quantity of rubber to keep said agglomerates substantially intact and to bond said agglomerates to other ingredients in said friction element.

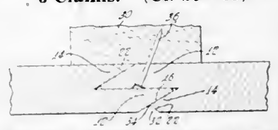
2,276,071

PANEL CONSTRUCTION

Henry E. Scull, Teaneck, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application January 25, 1939, Serial No. 252,713

3 Claims. (Cl. 20—15)



1. An interior decorative panel comprising a fibre board body having opposite edges of substantially complemental configuration, each of said edges including a pair of tongues of unequal length, the longer of said tongues having a bevel extending from the outer end thereof to an adjacent face of the body and the shorter of said tongues having oppositely beveled sides.

2,276,072

SPORT GARMENT

Charles L. Stokes, Santa Monica, Calif.

Application August 9, 1939, Serial No. 289,248

1 Claim. (Cl. 9—20)

A pair of high waders for sportsmen having near the top thereof a pair of annular flaps. and means on the flaps for detachably securing together their free peripheries to afford a chamber to receive snugly an inflatable circular tube



in position to surround the wearer between the waist and armpits, said annular chamber being of such diameter of radial cross section as to afford a substantial shelf for resting the elbows and forearms of the wearer without fatigue.

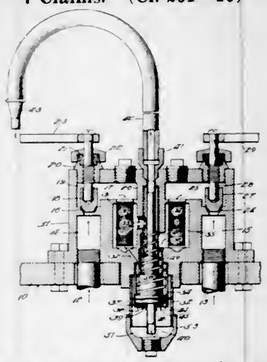
2,276,073

STEAM AND WATER MIXER

Edwin B. Tidd, Mount Prospect, Ill., assignor to Bell & Gossett Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1941, Serial No. 389,899

7 Claims. (Cl. 261—10)



1. A steam and water mixer for supplying a stream of heated water free from steam bubbles comprising a plurality of telescopically related pipes composed of heat conducting material and defining annular, alternately related water and steam passages therebetween, means in each of the passages for retarding the water and steam to facilitate heat exchange by lengthening the time interval of flow therethrough, one end of the innermost pipe being connected to a discharge outlet and the opposite end located adjacent the delivery ends of the passages, and means for directing the discharging steam and hot water into the innermost pipe to fully condense any free steam prior to final delivery.

2,276,074

METHOD OF MAKING FERRO-ALLOYS

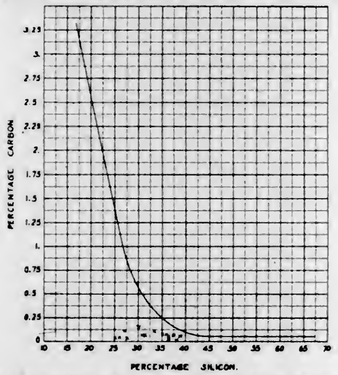
James C. Vignos, Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation, Philo, Ohio, a corporation of Ohio

Application January 23, 1941, Serial No. 375,593

14 Claims. (Cl. 75—56)

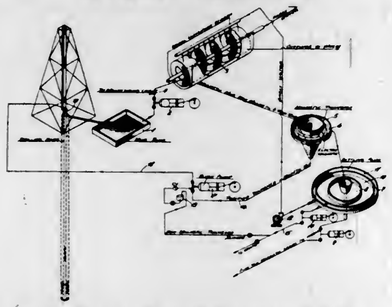
1. That method of producing a low carbon

ferro-alloy of silicon and a carbide-forming metal from a higher carbon ferro-alloy of said metal produced by direct reduction, ferrosilicon, and an oxidizing agent as reactants which com-



prises providing at least one of said ferro-alloys in molten condition and mixing therewith the other said reactants and by the reaction producing a ferro-alloy of substantially decreased carbon content.

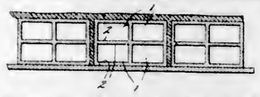
2,276,075
DRILLING FLUID
Charles Erb Wuensch, Pittsburg, Kans.
Application October 14, 1939, Serial No. 299,438
10 Claims. (Cl. 252—8.5)



1. The method of utilizing drilling muds comprising mixing comminuted magnetic solids with water, conducting the mixtures through a well drilling system to bring cuttings to the top of the well, and recovering the magnetic solids by flocculation and retention through the influence of a magnetic field.

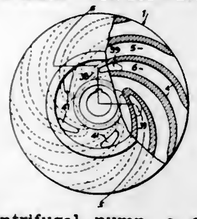
2,276,076
MEANS FOR INSULATING BUILDING AND LIKE STRUCTURES
Joseph L. Finck, Cedarhurst, N. Y., assignor of thirty per cent to I. Richard Paris, Washington, D. C.
Original application September 23, 1932, Serial No. 634,604. Divided and this application October 13, 1937, Serial No. 168,822
6 Claims. (Cl. 72—16)

1. As a new article of manufacture, a building board having a width greater than the distance between adjacent wall studs in frame dwelling construction, for attachment to such wall studs, and to form air spaces within the wall bordered by one face of the building board on the interior side of the wall, one face of said board having a metal coating for exposure to the air spaces within the wall to minimize the transfer of radiated heat across the air space, the coating being too thin and inadequate to withstand the



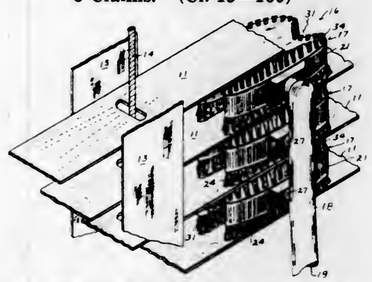
wear and abrasion of an exposed wall surface and of such thickness as adequately to cover the surface for the purpose of substantially eliminating the transfer of radiated heat across the air space, the other face of said board being uncoated and adapted to receive any desired finishing or decorative coating thereover.

2,276,077
PUMP IMPELLER
Oystein Jacobsen, Johnson Road, R. R. No. 5, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application May 9, 1941, Serial No. 392,704
7 Claims. (Cl. 103—103)



1. In a centrifugal pump, a casing and a double-shrouded impeller adapted to rotate in said casing, said impeller including a back plate and a front plate, vanes secured therebetween to provide passageways across the radial width of the impeller, the inner ends of at least one pair of adjacent vanes being joined by a closure plate whereby a compartment is formed closed on all sides except at the outer end, an opening in said back plate which communicates with the leakage fluid to the rear of the impeller and is positioned within said compartment adjacent said closure plate, and an opening in said front plate directly in line with the opening in the back plate.

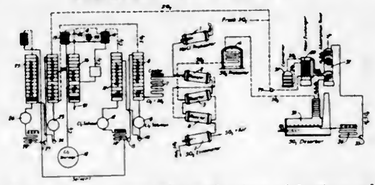
2,276,078
DUSTING BRUSH
Gus M. Marks and Robert B. Drew, Oakland, Calif.; said Drew assignor to Fred W. Carstens
Application January 28, 1938, Serial No. 187,479
5 Claims. (Cl. 15—160)



1. In a brush for selectively dusting the oppo-

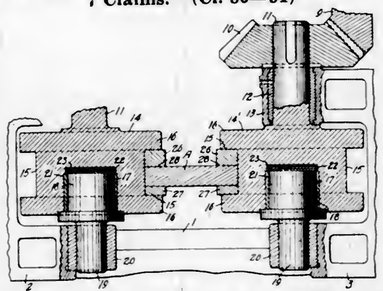
site faces of a fixedly disposed Venetian blind slat or the like having a cord extending transversely thereof from a point intermediately therein, brush block having bristles extending from opposite faces thereof to engage the different faces of the slat while the brush block is disposed in substantially the same position with respect to the slat, and a notch in the edge of the block extending transversely of said face and arranged to receive the cord freely therein and therealong while the bristles are operative against corresponding slat faces beyond the cord.

2,276,079
PROCESS FOR PRODUCTION OF CHLORINE AND SODIUM SULPHATE
Aylmer H. Maude, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
Application July 29, 1939, Serial No. 287,378
9 Claims. (Cl. 23—121)



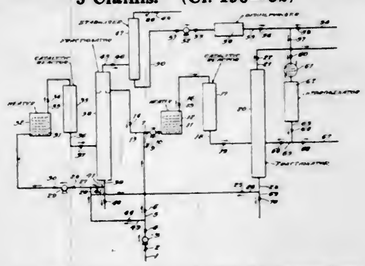
5. A cyclic process of producing chlorine which comprises reacting substantially undiluted sulphur trioxide with sodium chloride in the substantial absence of free oxygen and at a temperature required to produce sodium sulphate and a mixture of chlorine and sulphur dioxide in substantially equimolecular proportions, removing said gaseous mixture from the solid products of the reaction, separating said chlorine from said sulphur dioxide, mixing said sulphur dioxide with burner gases containing air and sulphur dioxide, catalytically oxidizing the sulphur dioxide in the resulting gas mixture to sulphur trioxide, absorbing the sulphur trioxide in sulphuric acid to produce oleum, heating the resulting oleum to recover undiluted sulphur trioxide and reacting the same with more sodium chloride in the first reaction stage for continued production of chlorine.

2,276,080
FILLER DEVICE FOR EDGE ROLLING MACHINES
John P. McCaslin, Fort Thomas, Ky., assignor to The Andrews Steel Company, a corporation of Delaware
Application September 18, 1939, Serial No. 295,438
7 Claims. (Cl. 80—51)



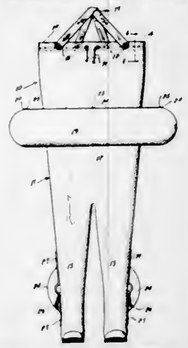
1. In a machine, for rolling a metal bar, comprising spaced apart rolls between which the metal bar is passed, each of said rolls having an annular recess formed therein, guide means between the side walls and within the recess for regulating the effective width of said recess and providing the top and bottom bearing surfaces, said guide means comprising a member provided with a surface over which the metal bar is passed, and a second member provided with a surface vertically spaced from the surface of the first member, one member being attachable and detachable in position.

2,276,081
CONVERSION OF HYDROCARBONS
Edwin H. McGrew, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 12, 1939, Serial No. 289,725
5 Claims. (Cl. 196—52)



4. A conversion process which comprises combining hydrocarbon oil heavier than gasoline with hydrocarbons boiling in the gasoline range, formed as hereinafter set forth, subjecting the resultant mixture to the action of a cracking catalyst at a temperature in the approximate range of 600–900° F., separating gasoline from insufficiently converted oil, catalytically cracking at least a portion of the latter at higher temperature than said mixture to convert a substantial portion thereof into gasoline, and combining heavier fractions of the last-named gasoline with said hydrocarbon oil as aforesaid.

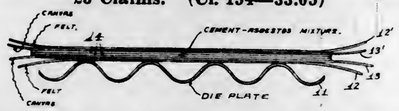
2,276,082
BOOT BOAT
Joe W. Meyers, Weleetka, Okla.
Application September 19, 1940, Serial No. 357,460
1 Claim. (Cl. 9—20)



In combination with a wading garment for use by fishermen and including leg and body encasing portions and buoyant means disposed adjacent the waist for supporting the wearer afloat,

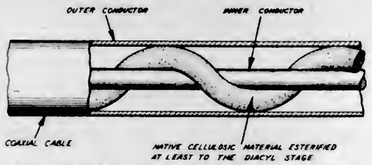
propelling fins attached to the outer sides of the leg portions of the garment, said fins each including an elongated flexible strip disposed longitudinally of a leg portion and having end portions secured thereto, said strips each having an unattached intermediate portion, said intermediate portion being flared toward its back edge and flared outwardly relatively to the leg portion, and said intermediate portion combining with the leg portion, with which it is associated, to form a rearwardly diverging rearwardly opening pocket.

2,276,083
MOLDED CEMENT PRODUCT AND MANUFACTURE OF SAME
William J. Moeller, Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application September 6, 1935, Serial No. 39,450
23 Claims. (Cl. 154—33.05)



2. A method of fabricating hydraulic cement sheets comprising molding a sheet of hydraulic cement with an absorbent resilient sheet and a woven fabric interposed between the cement and the mold, said absorbent resilient sheet being between the woven fabric and the mold.

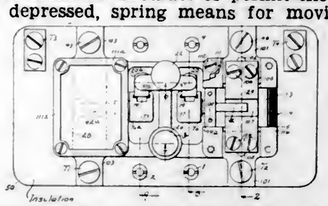
2,276,084
ELECTRIC INSULATING MATERIAL AND TO CONDUCTORS INSULATED WITH SUCH MATERIAL
Archibald Alan New, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application February 11, 1938, Serial No. 190,031
In Great Britain February 26, 1937
2 Claims. (Cl. 174—29)



1. An electric conductor forming part of a cable for transmission of frequencies of 10 kc. or over, and insulation for said conductor having sufficient tensile strength to permit the material to be applied in the usual manner, and having a power factor less than .01 at the frequency range specified, comprising native cellulosic material esterified at least to the diacyl stage to form an ester or esters of a carboxylic acid or acids having from two to five carbon atoms.

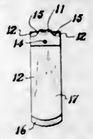
2,276,085
THERMALLY RESPONSIVE ELECTRIC CONTACTOR
Bernhard A. Pearson, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application January 13, 1939, Serial No. 250,803
8 Claims. (Cl. 200—124)

1. In a contactor construction, a main base, a push-button device reciprocable on the base and provided with a shoulder, means yieldingly supporting the device in a normal intermediate position on the base to permit it to be depressed or elevated from said position, butt contacts operable to be opened upon manual depression of the device, other butt contacts operable to be opened upon elevation of the device, an actuator movable to elevate the device and disposed at a distance from the shoulder to permit the device to be depressed, spring means for moving the



actuator, holding means for holding the actuator from moving, thermally responsive means responsive to a predetermined temperature for releasing the holding means to permit the actuator to be moved by the spring means through said distance and to strike a blow on the device to elevate it and open said other contacts with a snap action, and an electric resistance heating means for heating the thermally responsive means to said temperature.

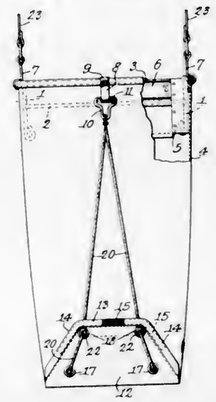
2,276,086
CLASP
Peter J. Peregallo, Hawthorne, N. J.
Application June 13, 1941, Serial No. 397,839
2 Claims. (Cl. 24—259)



1. A signal tab including a body member from a strip of inelestic, semi-transparent material folded back upon itself and forming two legs of unequal length, one each side of the bend, and adapted to slide over the edge of a card, and a spring clip made from a strip of elastic material of a relatively smaller size than said body member and fastened to said body member by bending said clip over the outside of the body member and along a line adjacent the line of bend in the body member said clip being notched at each side for removing a portion of the area along the line of the bend.

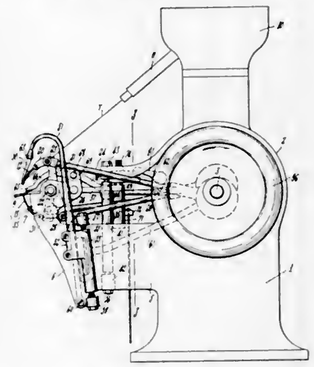
2,276,087
FRUIT PICKER'S BAG
Thomas P. Petersen, Lake Wales, Fla.
Application June 28, 1939, Serial No. 281,724
1 Claim. (Cl. 150—2)

A device of the class described including a bag open at the top and bottom, a flap constituting an extension of the back of the bag at the bottom, said flap having converging side edges and a straight intermediate free edge, spaced grommets in the front of the bag and spaced grommets in the flap adjacent to the back of the bag, whereby, when the flap is folded against the front of the bag, said grommets in the flap will register with the grommets in the front, spaced grommets in the flap adjacent to the ends of its straight free edge and spaced apart a distance less than those adjacent the back, a rope providing a loop having side portions extending outwardly through the grommets adjacent the free edge of the flap, inwardly through the grommets in the flap adjacent the back of the bag and inwardly through the grommets in the front of the bag, those grommets adjacent to the free edge of the flap being positioned to hold the sides of the looped rope offset toward each other at the locality of said grommets whereby, when the rope is drawn taut, it operates to hold the free end of the flap taut in a transverse direction and, when



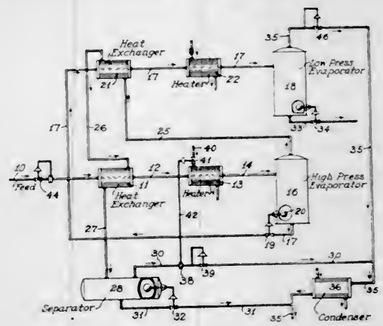
gradually released, it lowers the flap to provide a delivery spout, and spaced means on each rope end and on each side portion of the looped rope between the flap grommets for holding the rope against withdrawal from the grommets in the front and against withdrawal through the grommets in the flap respectively, and means on the upper portion of the bag for engaging and supporting the looped rope, with the flap in upwardly extending position against the front of the bag.

2,276,088
CHAIN-STITCH SEWING MACHINE WITH CURVED NEEDLE AND DIRECT OPERATING MECHANISM
Jesse V. Poole, Abington, Mass., assignor to Puritan Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application May 24, 1940, Serial No. 336,976
15 Claims. (Cl. 112—35)



1. In a chain-stitch sewing machine, a supporting frame having a stationary pivot bearing, an awl carrier mounted on said pivot bearing to swing about the same, an oscillatable needle carrier likewise mounted on said pivot bearing, a sleeve oscillatable and reciprocatable axially on said pivot bearing, cast-off means carried by said sleeve engaging the needle for guiding the latter and moving it endwise to feed the work, and operating means for oscillating the awl carrier, needle carrier and cast-off carrier, and for moving said sleeve axially, in proper timing to feed the work and form stitches therein.

2,276,089
RECOVERY OF SOLVENTS FROM OILS
Edward G. Ragatz, San Marino, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 26, 1937, Serial No. 150,658
5 Claims. (Cl. 202—61)

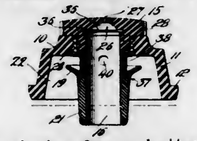


4. A process for the recovery of a solvent from a solution containing a substantial proportion of said solvent and a mineral oil of a higher boiling range than the solvent, which comprises continuously introducing the solution into a vaporizing zone, continuously and separately withdrawing the evaporated solvent from said vaporizing zone, passing the vaporized fraction in heat exchange relationship with the incoming solution whereby said solution is partially heated while the solvent vapors are thereby partially condensed, separating the condensed solvent from the uncondensed solvent vapors, continuously and separately removing said uncondensed vapors, further heating the incoming partially preheated oil-solvent solution, and regulating said further heating by the rate of withdrawal of the last mentioned uncondensed solvent vapors.

2,276,090
HYDROLYSIS OF PRODUCTS OBTAINED BY REACTING SATURATED HYDROCARBONS WITH SULPHUR DIOXIDE AND CHLORINE
Cortes F. Reed, Anoka, Minn., assignor to Charles L. Horn, Minneapolis, Minn.
No Drawing. Application February 17, 1939, Serial No. 257,018
4 Claims. (Cl. 260—513)

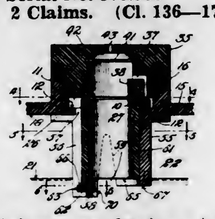
1. The method of forming surface active substitution products from hydrocarbons which comprises reacting a nongaseous saturated aliphatic hydrocarbon in the liquid state simultaneously with chlorine and sulphur dioxide, and hydrolyzing and neutralizing the resulting products with at least an aqueous alkali metal hydroxide solution of at least 20% strength.

2,276,091
CLOSURE FOR BATTERY BOX COVERS
Roland Reppert, Pelham Manor, N. Y., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application March 23, 1939, Serial No. 263,578
2 Claims. (Cl. 136—178)



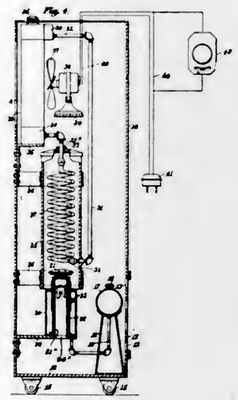
2. A closure device for a battery box cover having an aperture therein and adapted to contain electrolyte up to a predetermined level, comprising, a vertically arranged sleeve having a bore throughout its length and an exterior consisting of a resilient collar larger in diameter than the aperture in the cover and a lower end of substantial length below the collar insertable in the aperture through the cover, there being a gas-receiving space between the under surface of the cover and the electrolyte level and surrounding the lower end of the sleeve, the part of the sleeve above the collar and the aperture in the cover having cooperating means whereby the sleeve may be moved vertically to have an upper position with the collar against the under surface of the cover and a lower position with the collar free from the cover, the part of the sleeve immediately above the collar being provided with a groove of sufficient width and depth to receive the collar to permit the collar to be inserted through the aperture in the cover from the upper surface thereof, there being vent openings extending from the bottom of the groove into the bore of the sleeve, and a removable vent cap for closing the upper end of the bore in the sleeve and having vent passages adapted to register with the bore, the upper end of the sleeve and the vent cap having separable inter-engaging parts, whereby when the cap is moved in one direction the sleeve is moved downwardly to bring the vent openings therein into communication with the gas-receiving space and when the vent cap is moved in the opposite direction the sleeve is moved upwardly to bring the collar into engagement with the under surface of the cover.

2,276,092
CLOSURE FOR BATTERY BOX COVERS
Roland Reppert, Pelham Manor, and Rudolph A. Johnson, Brooklyn, N. Y., assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Original application April 9, 1940, Serial No. 328,608, now Patent No. 2,240,314, dated April 29, 1941. Divided and this application January 10, 1941, Serial No. 373,866
2 Claims. (Cl. 136—178)



1. A container cover having a top wall, a valve sleeve projecting downwardly from the under surface of the top wall with an opening extending therethrough, an annular valve seat formed in the upper surface of the top wall surrounding the upper end of the opening, there being a vent passage extending from the valve seat downwardly through the top wall, a rotatable annular valve seated on the valve seat for closing the vent passage and having an aperture therethrough arranged to register with the vent passage in one position of the valve, a tube carried by and extending downwardly from the under surface of the valve journaled in the sleeve and having an opening extending therethrough, the lower end of the sleeve having a downwardly projecting radially-yieldable stop lug, the lower end of the tube having an outwardly extending key adapted to engage with the under surface of the lower end of the sleeve, said key being relatively unyielding and having a cam surface facing in clockwise direction and a flat vertical stop surface facing in counter-clockwise direction, the arrangement being such that the valve may be turned continuously in the clockwise direction, the stop lug on the sleeve yielding outwardly to permit the key to pass by it, and in the counter-clockwise direction only to the point where the stop surface on the key encounters the stop lug on the sleeve, and means for turning the valve and tube.

2,276,093
PORTABLE OIL HEATER
Donald H. Robbins, Somerville, Mass.
Application May 24, 1939, Serial No. 275,381
4 Claims. (Cl. 126—101)

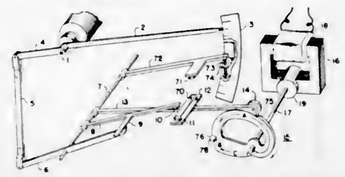


1. In an air heater, a portable housing having a fresh air inlet at the bottom of a wall thereof, an oil burner therein, an oil supply tank for said burner adjacent said air inlet, a tubular member closed at the top by a cap having an opening therein, the lower end of said member surrounding said burner, said tubular member being between said tank and the front wall of said housing, a coiled pipe within said tubular member, a radiator above said tubular member adjacent to the front wall of the housing and opposite an air discharge outlet in said front wall, said radiator being connected at its lower end with the upper end of said coiled pipe, a return pipe extending from the upper end of said radiator to the lower end of said coiled pipe, and a motor-driven fan for drawing air through said inlet, past said supply tank and tubular member and then forcing the same through said radiator and outlet opening.

2,276,094
ALPHA, BETA-UNSATURATED PRIMARY ALCOHOL ESTERS OF SILICIC AND BORIC ACIDS
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1939, Serial No. 291,753
12 Claims. (Cl. 260—80)

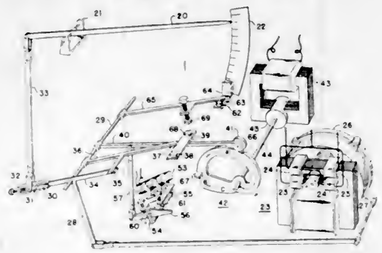
1. A polymeric ester of an inorganic ortho acid of an element of the class consisting of boron and silicon with a primary alcohol having an open chain unsaturated linkage between the carbon next to the carbinol carbon and the carbon once removed therefrom.

2,276,095
TELEMETRIC SYSTEM
John D. Ryder, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application May 28, 1937, Serial No. 145,277. Divided and this application February 8, 1940, Serial No. 317,844
10 Claims. (Cl. 172—293)



1. In a telemetric system, in combination, a transmitting and a receiving station, identical rotatable cams located in said transmitting and receiving stations having a rising section and a falling section, an oscillatable member periodically reciprocated by each of said cams, a synchronous motor for driving each of said cams and means for maintaining said cams in phase comprising, a laterally extending lip on each of said cams at the juncture of said rising and falling sections, a projection on each of said members adapted to engage said lips, and means actuated by engagement of the projection on said members with said lips for controlling the energization of said one of said synchronous motors.

2,276,096
TELEMETRIC CONTROL SYSTEM
John D. Ryder, Pepper Pike Village, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application April 3, 1940, Serial No. 327,656
8 Claims. (Cl. 172—239)

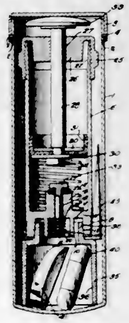


1. A telemetric system for controlling a dependent variable in accordance with the non-linear function of an independent variable, comprising in combination, an independent variable means, a dependent variable means, a first transmitting station comprising a member positioned in linear proportion to the independent variable means and a cyclically operable cam for periodically originating electrical impulses corresponding to an indeterminable function of the independent variable means, a second transmitting station comprising a member positioned in linear proportion to the dependent variable means and a cyclically operable cam for periodically originating electrical impulses in unison with said first named impulses corresponding to an indeterminable function of the dependent variable means, said last named cam being so shaped relative to said first cam that when the dependent variable means corresponds to the value of the non-linear function for the then existing value of the independent variable means said impulses are equal, and receiver means under the joint control of said impulses adapted to alter the value of the dependent variable means to maintain said impulses equal.

2,276,097
ALIPHATIC SULPHONYL FLUORIDES AND THEIR PREPARATION
Paul L. Salzberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1939, Serial No. 286,475
8 Claims. (Cl. 260—543)

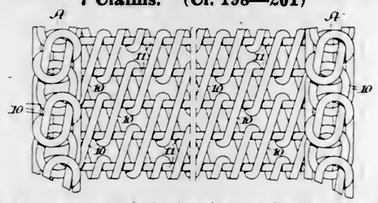
1. The process which comprises reacting an alkane hydrocarbon of at least 8 carbon atoms with admixed sulphur dioxide and chlorine, recovering the mixture of hydrocarbon and chlorohydrocarbon sulphonyl chlorides and reacting it with an aqueous solution of a water-soluble metal fluoride under conditions of reflux while agitating the reaction mixture and recovering a mixture of hydrocarbon sulphonyl fluorides containing chlorine attached to carbon.

2,276,098
VENOM EXTRACTOR
Paul W. Saunders, Tarpon Springs, Fla.
Application May 10, 1941, Serial No. 392,972
5 Claims. (Cl. 128—300)



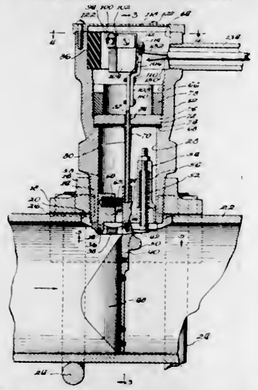
1. Venom extractor comprising a closed cylinder, a piston and piston rod reciprocable in the cylinder having a cup washer engaging the walls of the cylinder, a valve controlled port at one end of the cylinder and a washer expanding element at the other end of the cylinder.

2,276,099
WIRE FABRIC BELT STRUCTURE
Otto Carl Scherfel, Haddon Heights, N. J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application February 21, 1939, Serial No. 257,681
7 Claims. (Cl. 198—201)



6. A conveyor belt having a bottom portion formed of a plurality of helical coils of wire arranged in succession with the coils of each overlapping and interengaging the coils of adjacent wires to form a continuous structure, cross rods extending lengthwise in said coils within the bights thereof to retain the coils in overlapping position, the overlapping coils of said structure having the interengaging bights of successive coils retained in overlapping position by separate, spaced cross rods, and flanges formed on the longitudinal edges of said bottom portion by extending the helical coils of said bottom portion at an angle thereto.

2,276,100
FLUID FLOW INDICATOR
Axel Scholin, Chicago, Ill., assignor of one-third to Wilbur M. Tiffany, and one-third to Carl W. Scholin, both of Chicago, Ill.
Application April 24, 1939, Serial No. 269,818
6 Claims. (Cl. 200—81)



1. In a fluid flow indicator of the type having a body arranged to be attached to a pipe, having a movable vane extending across the path of flow of the fluid in the pipe, and in which an electric switch controlled signal circuit is employed to provide an indication of movement of the vane, the combination of an elongated flexible metallic sleeve of generally elliptical transverse cross-section and tapering from one end to the other, an actuating arm extending through said sleeve and having one end thereof secured to the smaller end of said sleeve, said arm being adapted to actuate said switch, and clamping means for securing the larger end of said sleeve in fluid-tight relationship to the body of the indicator, thereby to provide a sealed means for the actuation of said switch.

2,276,101
ART OF TREATING AND COATING METALS
Julian L. Schueler, Kokomo, Ind.
No Drawing. Application February 16, 1939, Serial No. 256,724
3 Claims. (Cl. 91—70.3)

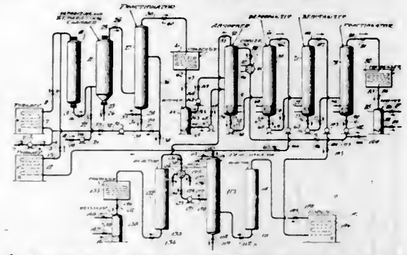
1. The method of applying coatings to metallic articles which comprises subjecting said articles to a molten annealing and cleaning bath, removing said articles from said bath with a portion of said bath material covering said articles, allowing said covering material to solidify without reducing the temperature of the article below the temperature of a subsequent molten metallic coating bath, mechanically removing said solidified material from said articles for direct re-use of same in said annealing and cleaning bath and then coating said articles in the molten metallic coating bath.

2,276,102
EYEGLASSES
Morris Schwartz, New York, N. Y., assignor of one-half to Leah Lapidus, New York, N. Y.
Application September 11, 1940, Serial No. 356,289
5 Claims. (Cl. 88—47)



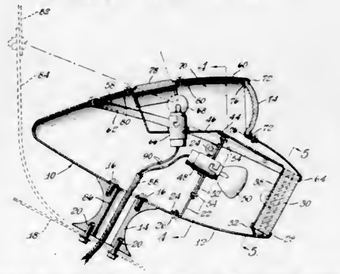
1. A unitary eyeglass frame of the character described including a nose portion and temple-hinge portions above the center-plane of the zones of sight, lower arcuate portions integrally joining said nose and respective hinge portions and forming the lower boundary of the zones of sight and extending downwardly from said nose and respective hinge portions, transverse portions integrally joined at their ends by fillets to said lower portion to form lower fractional lens openings, said transverse portions being in the zones of sight not higher than the centers thereof, said lenses having bevelled peripheral edges, an endless groove in said transverse portions extending uninterruptedly in said fillets, and in said lower arcuate portions, said grooves adapted to receive only the said bevelled edges.

2,276,103
HYDROCARBON CONVERSION
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 13, 1939, Serial No. 294,618
10 Claims. (Cl. 196—10)



1. A process for the production of motor and aviation gasolines, which comprises subjecting a hydrocarbon oil to thermal cracking treatment in substantially the vapor phase to effect substantial conversion thereof into gas, gasoline, and intermediate conversion products, returning the intermediate conversion products to said thermal cracking treatment, recovering said gasoline, separating said gas into a hydrogen-methane fraction, a two and three carbon atom fraction, and a four carbon atom fraction, subjecting said two and three carbon atom fraction, together with residual four carbon atom hydrocarbons separated in a subsequent stage to pyrolytic treatment and combining the pyrolytic polymers and gases produced therein with the products of of said cracking treatment, subjecting said four carbon atom fraction to polymerization treatment to effect substantial polymerization of the olefins to iso-octenes, commingling the residual four carbon atom fraction from said polymerization treatment with said two and three carbon atom fraction, as aforesaid, subjecting the iso-octenes from said polymerization treatment to hydrogenation treatment with hydrogen of said hydrogen-methane fraction and recovering therefrom iso-octane.

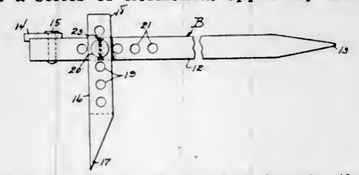
2,276,104
VEHICLE SIGNAL
Martha Shaunessey, Chicago, Ill.
Application July 26, 1939, Serial No. 286,672
1 Claim. (Cl. 177—329)



A vehicle signal of the type described comprising an elongated housing, a first lens in the front end of the housing, a lamp supporting wall detachably secured to the housing rearwardly of this first lens, a partition secured to the lamp supporting wall, the partition having a first portion cooperating with the lamp supporting wall and with the front portion of the housing to provide a lamp chamber in the rear of the first lens, a lamp within the lamp chamber and mounted on the lamp supporting wall, a second portion of the partition extending rearwardly to provide a support for a second lamp, the top of the housing having an opening sufficiently large to permit the lamps, wall and portion to be assembled as a unit and inserted through the opening into the housing, a dish-shaped cover closing the opening, the second lamp being located within the cover, the forward portion of the cover being in the form of a ledge which closely overlies the first portion of the partition, the front end of this ledge assisting in retaining the first lens in place, a second lens mounted in the cover adjacent to the rear of the ledge portion and a third lens mounted in the top of the cover adjacent to its rear end.

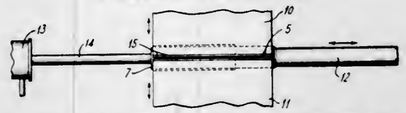
2,276,105
WHEEL TOOL
James F. Shiells, Fillmore, Calif.
Application April 10, 1940, Serial No. 328,967
1 Claim. (Cl. 29—85)

A tool of the character described, comprising a lever bar having a flat fulcrum surface at one end and horizontal transverse openings adjacent thereto, a prying member having a bifurcated upper end straddling the lever bar and provided with a series of horizontal oppositely arranged



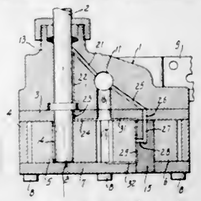
openings, a pivot pin passing loosely through two of the oppositely arranged openings in the prying member and one of the openings in the lever bar, and the lower end of the prying member provided with a beveled prying tip.

2,276,106
WELDING CATHODE SLEEVES
Watson Sidney, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1940, Serial No. 342,621
8 Claims. (Cl. 219—10)



8. The method of making a cylinder from a strip of sheet metal with edge portions of the strip longitudinally of the cylinder welded together, comprising wrapping a piece of sheet metal around a mandrel and forming said sheet to the contour of the surface of said mandrel, and forming the edge portions of the sheet into side-by-side upstanding flanges longitudinally of the mandrel, the flanges being in contact while the cylinder and mandrel are in contact, then relieving the pressure between the cylinder and mandrel, and then passing welding current transversely through the contacting flanges while the flanges are pressed together.

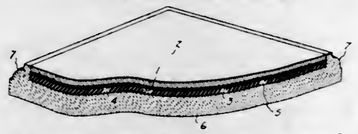
2,276,107
GEAR PUMP
John P. Simons, Lakewood, Ohio
Application May 9, 1939, Serial No. 272,626
4 Claims. (Cl. 103—126)



1. A rotary pump comprising two intermeshing fluid-impelling gears; an enclosure in which said gears fit closely including surfaces in contact with the faces of said gears; an inlet passage in said enclosure through which fluid to be pumped is supplied to said fluid-impelling gears; an outlet passage in said enclosure through which said fluid passes from said pump; and a fluid by-pass system in said enclosure including means operative to conduct continuously a portion of the incoming fluid from a point in said inlet

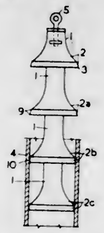
passage remote from said gears, at which point the pressure of the fluid to be pumped is greater than that at the intake side of the zone of engagement of the gears, to the surfaces in contact with both faces of at least one of said gears and to return the by-passed fluid to the incoming fluid at a point spaced nearer the zone of engagement of said gears than said first-mentioned point at least by an amount such that the pressure differential between said points is sufficient to assist flow of fluid through said by-pass system to the surfaces contacted by the faces of said gears and back to the incoming fluid.

2,276,108
DECORATED GLASS ARTICLE AND METHOD OF MAKING THE SAME
Max Skolnik, Chicago, Ill.
Application August 27, 1940, Serial No. 354,408
10 Claims. (Cl. 41—22)



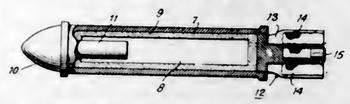
1. A strongly bonded article of manufacture comprising a glass facing member, a decorative coating on a surface of said facing member, a backing member of magnesium oxychloride cement, a cushioning layer of solid bituminous material between said backing member and said decorative coating bonding said decoratively coated surface to said backing member, and a protective coating containing a substantial proportion of metal flake disposed between said bituminous material and said decorative coating, whereby migration of said bituminous material into contact with said decorative coating is prevented.

2,276,109
PIPE-LINE CLEANER
Sydney S. Smith, Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 1, 1941, Serial No. 381,332
2 Claims. (Cl. 15—104.06)



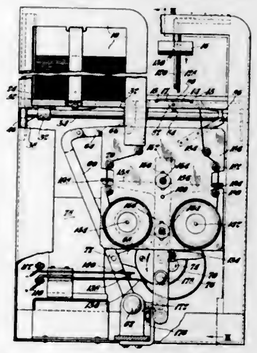
1. A device for internal cleaning of tubular members comprising a plurality of symmetrical tapered truncated members having a base normally slightly larger in diameter than the internal diameter of said tubular member and a truncated apex, said truncated members being disposed to form an elongate unit, the truncated apex of each member being centered against the base of the next leading truncated members, said truncated apexes all being disposed towards the leading end of said elongate unit, the diameter of said elongate unit through said truncated apexes being substantially less than the greatest diameter of said elongate unit whereby a characteristic flexibility is imparted thereto, said elongate unit being formed of an elastomer as an integral unit.

2,276,110
EXPLOSIVE MISSILE
Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
Application March 18, 1939, Serial No. 262,608
7 Claims. (Cl. 102—29)



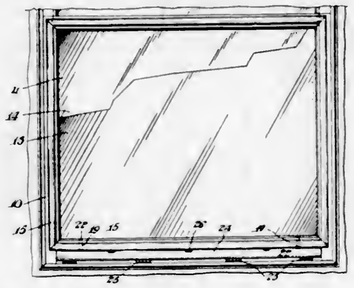
1. An explosive projectile for use against troops comprising a cast iron shell, a charge of detonating explosive within the shell, means for exploding the said charge, and a crushable energy-modifying liner disposed between the shell and detonating explosive, in direct contact with each, the liner being at least as firm as set plaster, so as to prevent set-back of the explosive charge on projection of the projectile, but crushable by the force of explosion of the said charge and having a thickness of at least half the thickness of the wall of the shell.

2,276,111
CARD IDENTIFYING AND ISSUING MACHINE
William Spears, Mount Lebanon, Pa.
Application January 28, 1939, Serial No. 253,456
5 Claims. (Cl. 101—69)



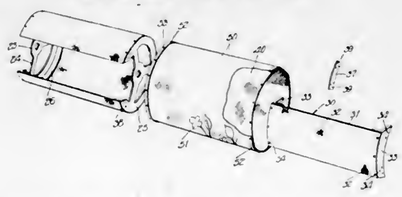
5. In a machine of the character described, a magazine carrying a supply of cards, a member for feeding cards from the magazine, means for guiding a printing badge to a printing station, an impression hammer at said station, electromagnetic means for powering said hammer, a badge receiving guide at said station, a badge operated element in juxtaposition thereto, a trigger mounted for movement about respective horizontal and vertical axes, said badge operated element being effective to rock the trigger about said vertical axis, a switch arranged to be closed by said trigger upon the inward movement of said element by the badge, means on said feeding member for rocking the trigger about said horizontal axis to disengage it from said element, yielding means for moving the trigger to a position to open said switch upon such disengagement, and yielding means for restoring the trigger to starting position upon removal of the badge from said guide.

2,276,112
WINDOW GLASS INSULATION SYSTEM
Samuel A. Stoneback, Philadelphia, Pa.
Application January 24, 1940, Serial No. 315,344
4 Claims. (Cl. 20—56.5)



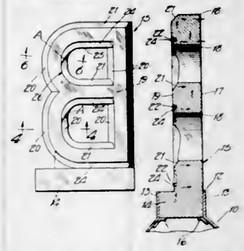
1. In a window, a frame having a recess in the lower rail with ducts leading from said recess to the top of said rail, a primary pane of glass therein and having the edges sealed air tight, a secondary pane of glass placed against a face of the frame in spaced relation to the primary pane of glass to form a dead air space with which communicates the ends of the ducts at the top of the frame lower rail, means to seal the edges of the secondary pane of glass air tight, a contractible and expansible receptacle located in the recess, a dehydrating agent in the receptacle, means carried by said receptacle and projecting into the ducts and completely filling the latter to form communications between the dead air space and the interior of the receptacle to permit breathing of the window and simultaneously dehydrate the substantially static air of the dead air space, a door hinged to the frame to close the recess, and spring means to normally hold the door closed while permitting it to be opened by pressure due to expansion of the receptacle beyond the confines of the recess.

2,276,113
FABRIC PRINTING MACHINE
Howard J. Strauss, New York, N. Y.
Application December 26, 1940, Serial No. 371,717
4 Claims. (Cl. 101—116)



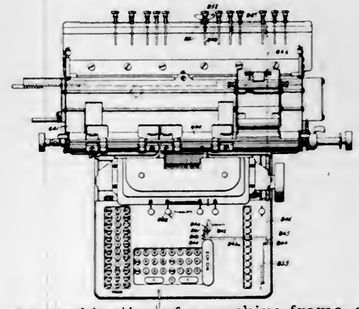
1. In a machine for printing fabrics, a printing cylinder, said printing cylinder comprising a main body portion and a removable section extending throughout the length of the cylinder, said main body portion and said removable section being perforated, means for removably attaching the removable section to the main body portion of the cylinder, a sleeve-like base cloth removably carried by the printing cylinder, and a sleeve-like stencil removably carried by the cylinder and overlying the base cloth, said base cloth and said stencil being maintained under tension upon the cylinder when the removable section of the printing cylinder is in position thereon.

2,276,114
ILLUMINATED SIGN
John J. Sture, New York, N. Y., assignor to Colorvision Ads. Inc., New York, N. Y., a corporation of New York
Application March 26, 1940, Serial No. 325,971
7 Claims. (Cl. 40—130)



2. A sign character comprising a block-like body of predetermined sign character shape constructed of solid crystal clear substance through which rays of light are reflected inwardly through an edge thereof, said body having at least two adjacent angularly disposed straight edges connected by a curved edge, one of the straight edges being provided with a beveled light pick-up and reflecting surface, a substantially V-shaped recess provided in the body along the other straight edge thereof, one of the inclined walls of the recess constituting a light pick-up and reflecting surface which gradually merges with the beveled light pick-up and reflecting surface at the connecting curved edge, the angles of the two meeting beveled light pick-up surfaces being reverse.

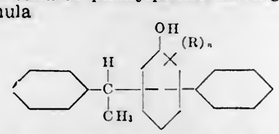
2,276,115
COMPUTING AND PRINTING MACHINE
Oscar J. Sundstrand, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application December 18, 1931, Serial No. 581,800. Divided and this application June 30, 1936, Serial No. 88,093
9 Claims. (Cl. 197—177)



1. The combination of a machine frame, a laterally movable carriage thereon, means for moving the carriage for tabulating, a tabulating stop on the carriage, a co-acting tabulating stop on the machine frame movable during machine operations to release itself from the co-acting stop to permit the said means to move the carriage for tabulation from column to column, and means on the carriage for moving the stop on the machine frame to ineffective position for skipping predetermined columns, the last mentioned means being operated by the carriage through its lateral movement.

2,276,116
SUBSTITUTED PHENYLPHENOLS
Fred Lowell Taylor and John E. Livak, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 27, 1940, Serial No. 331,946
4 Claims. (Cl. 260—620)

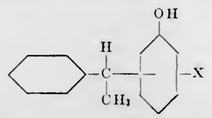
1. A substituted phenylphenol having the general formula



wherein R represents an alkyl group, *n* represents an integer not greater than 2, and the α-phenylethyl substituent occupies one of the positions ortho and para to the hydroxyl group.

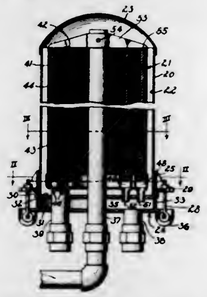
2,276,117
SUBSTITUTED PHENOLS
Fred Lowell Taylor and John E. Livak, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 27, 1940, Serial No. 331,947
1 Claim. (Cl. 260—619)

A substituted phenol having the general formula



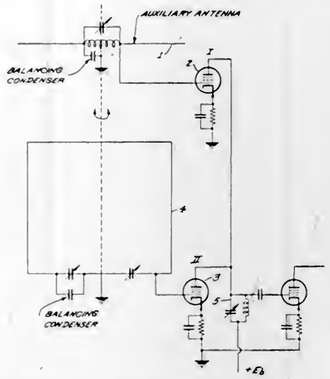
wherein X represents a cycloalkyl radical selected from the class consisting of the cyclopentyl and cyclohexyl radicals and the α-phenylethyl substituent occupies one of the positions ortho and para to the hydroxyl group.

2,276,118
FILTER APPARATUS
James W. Taylor, Pensacola, Fla., assignor to Peninsular-Lurton Company, Pensacola, Fla., a corporation of Florida
Application May 10, 1939, Serial No. 272,746
6 Claims. (Cl. 210—183)



1. A filter apparatus comprising a casing having a closed top and an open bottom, a head having a top wall for closing said open bottom of the casing, a bottom wall spaced below the top wall and a side wall between the top and bottom walls cooperating therewith to provide a filtrate-receiving chamber, inner and outer annular troughs supported by the top wall of the head, discharge nipples connecting the interiors of the troughs with the filtrate-receiving chamber of the head, inner and outer upstanding annular filter elements in the casing terminating below the closed top of the casing and having the lower ends thereof seated in said troughs, an inlet pipe extending through said head into the casing and terminating above the filter elements but below the top of the casing, means secured to the upper end of the inlet pipe engaging the tops of the filter elements to hold the same in fixed relation to the head, a sludge outlet for said casing, a filtrate outlet for said head, and means detachably connecting said head and said casing whereby the casing is removable from the head and filter elements without disturbing the fixed relationship of the filter elements and head.

2,276,119
DIRECTION FINDING SYSTEM
Frederick E. Terman, Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 23, 1940, Serial No. 320,338
2 Claims. (Cl. 250—11)

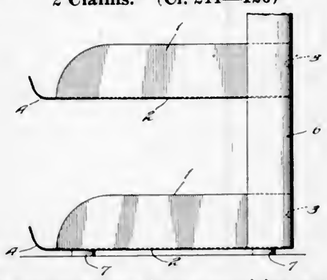


1. An antenna system comprising a rotatable loop antenna having upper and lower horizontal members, said members being at predetermined heights above ground, a second horizontal antenna rotatable therewith and mounted thereon at a height in the order of the sum of the heights of said horizontal members and substantially in the plane of said loop antenna, and means for interconnecting said loop antenna and said second antenna in phase opposition.

2,276,120
CHEMICAL REACTION CONTROL
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 8, 1940, Serial No. 344,374
8 Claims. (Cl. 23—1)

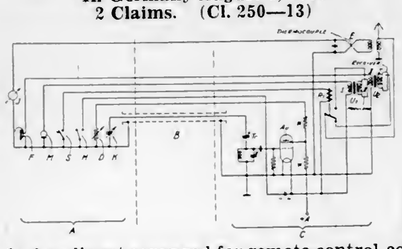
1. In a process for utilizing the heat evolved during an exothermic reaction for carrying out an endothermic reaction by using a heat exchange medium, the improvement which comprises using a mixture of stannous chloride with an anhydrous metallic halide, said mixture melting below 1000° C.

2,276,121
MULTIPLE LETTER TRAY
Robert J. Thorn and Theodore Hess, Chicago, Ill.
Application July 15, 1939, Serial No. 284,735
2 Claims. (Cl. 211—126)



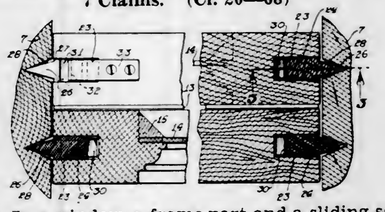
1. A multiple letter tray comprising a plurality of superimposed sheet metal trays held in fixed spaced relationship above each other, the sides and rear walls of each said tray joining each other in a curved surface, each said tray formed from a single sheet of metal into an enclosure having a bottom and vertical rear and side members, the foremost edge of the said bottom formed upwardly to partially complete the said enclosure, a pair of curved vertical sheet metal supports affixed to corresponding rear corners of said trays and adapted to hold said trays in spaced relationship with each other, each of said vertical supports welded to the vertical corresponding curved corner surfaces of each said tray, to hold said trays in rigid spaced relation with each other, whereby unobstructed access may be attained through the sides and front into the space between each said tray.

2,276,122
PORTABLE RADIO SET
Hansheinrich Tull, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 29, 1939, Serial No. 287,190
In Germany August 4, 1938
2 Claims. (Cl. 250—13)



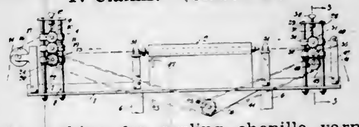
1. A radio set arranged for remote control comprising a first compartment containing the principal components of the set including a tube having at least a cathode, a control grid and an anode and including an oscillatory circuit connected between said control grid and cathode, a second compartment containing electrical control elements for said set including a variable condenser for tuning said oscillatory circuit, a multi-conductor electric cable interconnecting said control elements and said components, a common connection over said multi-conductor cable from one side of said variable condenser and one side of each of the other control elements to a reference point of stable potential in said first compartment, a trimming condenser in said first compartment, a connection from one side of said trimming condenser to said oscillatory circuit, a connection from the other side of said trimming condenser to one end of one of the conductors of said multi-electrode cable, and a connection from the other end of said conductor to the other side of said variable condenser.

2,276,123
WEATHER STRIPPING
Howard H. Turner, Inglewood, Calif., assignor of twenty-four and one-half per cent to C. E. Joslin and twenty-four and one-half per cent to M. E. Joslin, both of Inglewood, Calif.
Application July 22, 1939, Serial No. 285,973
7 Claims. (Cl. 20—68)



1. In a window, a frame part and a sliding sash part therein, one of said parts having a weather strip provided with a projecting ridge that is angular in cross section and the other part having an angular recess that is of a wider angle than the angle of said ridge, means engaging the ends of the weather strip for limiting lateral movement of the weather strip and preventing lengthwise displacement thereof in all positions of the sash in the frame, and resilient means tending to move the weather strip in a direction that the projecting ridge seats in the angle of the recess, the wider angle of the recess preventing interference of the sides of the recess with the sides of the strip.

2,276,124
DEVICE FOR CURLING CHENILLE
Abraham Unger, New York, N. Y., assignor to Concord Chenille Co., Inc., New York, N. Y., a corporation of New York
Application November 12, 1938, Serial No. 240,137
17 Claims. (Cl. 28—62)

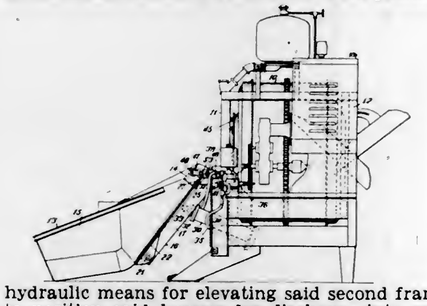


1. A machine for curling chenille yarn including, in combination, a heated tube adapted to curl chenille yarn, a plurality of members adapted to cooperate to move the yarn substantially continuously through said heated tube, means for actuating said moving members, means to intermittently jerk the chenille in opposition to said yarn moving members to stretch and curl the chenille in the tube, means for intermittently actuating said jerking means, and means for operating said latter means.

2,276,125
LOADING DEVICE FOR CONCRETE MIXERS
George K. Viall, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 29, 1940, Serial No. 316,095
8 Claims. (Cl. 259—165)

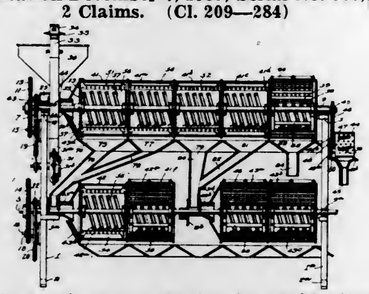
1. In combination with a frame for a concrete

mixer, a rotatable mixing drum mounted thereon and power means for rotating the same, a second frame member tiltably supported on the mixer frame, a loading hopper pendently hung on said second frame member when in elevated position,



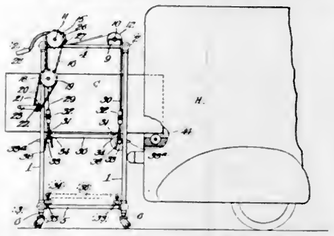
hydraulic means for elevating said second frame to position said hopper for discharge into said drum, and means for vibrating said hopper independently of said second frame member while said hopper is in load-discharging position.

2,276,126
SEED CORN GRADER
John R. Voorhees, Cedar Falls, Iowa
Application December 7, 1939, Serial No. 307,979
2 Claims. (Cl. 209—284)



1. In a rotary corn grader, in combination, a supporting frame, a longitudinal horizontal rotatable shaft end-mounted on said frame, a like longitudinal horizontal rotatable shaft end-mounted on the frame below the first shaft, alined connected cylinder sections rigidly mounted on the first shaft, the rearmost section being longitudinally corrugated with relatively large perforations in and along the corrugations, the sections in advance of the corrugated section being cylindrical and numerously perforated, weighted plates loosely suspended in the several sections and having transverse adjustable rearwardly inclined spaced flanges on their upper faces, said advance sections having in each like circumferentially spaced inwardly directed longitudinal flanges on their inner walls, said advance sections being in pairs, in which the forward pair have like perforations of minimum size, the succeeding pair having like perforations but of larger size, a single smaller cylindric section rotatably mounted on the rear frame, numerously perforated and having on its inner wall spaced longitudinally tilted and inwardly directed flanges, a hopper with depending neck positioned beneath the latter cylinder supported on the frame, driving connections between the upper shaft and the latter cylinder, said second shaft having fixed thereon spaced pairs of cylinders, the forward pair composed of a front section numerously minutely perforated, supplied with inner wall spaced longitudinal flanges, also supplied with a suspended weighted and flanged plate such as those in the forward sections of the upper cylinder, the rear section of the forward pair on the lower shaft being longitudinally corrugated with relatively small perforations along the corrugations, the rear cylinder on the lower shaft being spaced from said front section and the sections of said rear cylinder being of like construction as the rear section of the forward pair on the same shaft but with larger perforations and with like plates and flanges, conjoint conduits for receiving sieved kernels from the forward pair of sections on the upper shaft and delivering them into the first section of the first pair on the lower shaft, like conjoint conduits for receiving sieved kernels from the second pair of sections on the upper shaft and delivering them into the first section of the rear pair of sections on the lower shaft, like mechanisms for separately rotating the shafts in the same direction, a hopper in adjustable communication with the forward section of the upper cylinder, pairs of longitudinally alined rollers loosely supported to ride longitudinally upon the upper parts of said corrugated sections to push back clogged kernels in their perforations, and like separate power driven mechanisms associated with and connected to said shafts respectively, for rotating them in the same direction.

2,276,127
CASKET LOADER
Leon T. Wahl, Kansas City, Mo.
Application June 18, 1941, Serial No. 398,601
5 Claims. (Cl. 214—95)

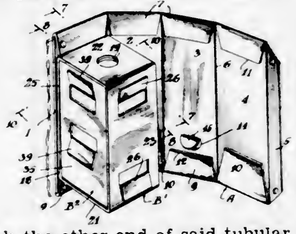


1. In apparatus of the character described, an upstanding wheeled framework, horizontal supports in vertically spaced relation carried by said framework, lifting apparatus carried by the upper support, cross members detachably supported by the lower support and in abutting contact with the uprights to prevent movement of the cross members to increase the distance between them longitudinally of the framework, a spacer connecting said cross members to prevent decrease of the distance between said members, means on said cross members for detachable connection with and elevation by said lifting apparatus, and rollers supported by the cross members for engagement with and support of a casket.

2,276,128
PAPERBOARD CARTON
Charles P. Wellman, North Haven, Conn.
Original application September 15, 1937, Serial No. 163,895. Divided and this application July 1, 1939, Serial No. 282,459
11 Claims. (Cl. 229—39)

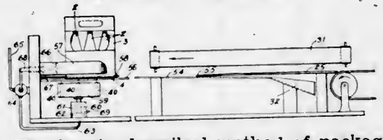
9. A container for radio tubes and the like including, an outer member having enclosing side

walls fixedly secured together to form a tubular body, an inner tube-supporting and enclosing member slidably positioned within said outer member, and means for limiting the telescoping movement of said inner member within said outer member, said means including, elements associated with said inner and outer members preventing ejection of the tube through one end of said tubular body, elements associated with said inner and outer members for limiting the ejected position of the test end of the tube



through the other end of said tubular body, and means for releasably locking the tube and the test end thereof in housed position within said outer tubular body, said locking means including cooperating abutment portions associated with said inner and outer members normally positioned in locked abutment, and means for manipulating one of said abutment portions to release the same from locking abutment with respect to said other abutment portion to permit ejection of the test end of the tube.

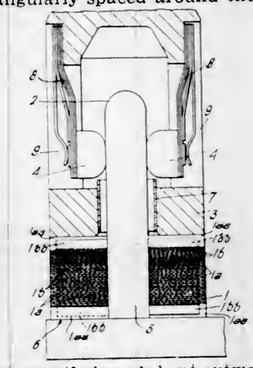
2,276,129
METHOD AND APPARATUS FOR PACKAGING
Albert Wesselman, Cincinnati, Ohio
Application February 20, 1940, Serial No. 319,929
21 Claims. (Cl. 93—6)



1. The herein described method of packaging, which comprises providing a thin substantially flat table having an overhanging unsupported end, and an open bottomed container having flaps at its opposite sides for closing the container bottom, applying the open bottomed container upon the table end as a hood over an article to be enveloped by the container as the article stands upright upon the table end, while the flaps extend beneath the plane of the table and the bottom of said article, and then with the elevation of the article remaining fixed, turning the flaps inwardly and securing them together in substantial parallelism, with the thin table end interposed between the article bottom and the connected flaps, after which the assembly is withdrawn lengthwise of and out of association with the unsupported end of the table.

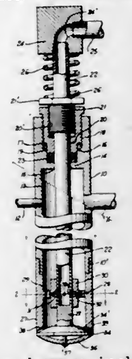
2,276,130
ELECTRICAL CONTACT MEANS
George Ethelbert Whitehead, Pontypridd, Wales
Application May 10, 1941, Serial No. 392,968
In Great Britain January 25, 1940
12 Claims. (Cl. 200—166)

1. A butt contact for an electric circuit breaker or the like, comprising a plurality of flexible contacting laminae, each in the form of a helix with its plane transverse to its axis, said contacting laminae being stacked together, and successively angularly spaced around their common



axis, and having their ends bent outwardly whereby edges are formed which make contact with a complementary butt contact.

2,276,131
COMBINATION BURNER
Newton E. Wiant, Lost Creek, W. Va., assignor to Hugh Wiant, Calgary, Alberta, Canada
Application May 13, 1938, Serial No. 207,664
5 Claims. (Cl. 299—59)

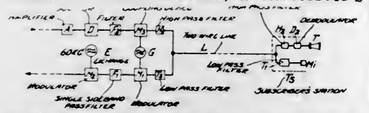


4. A combination burner including, a pair of fluid conductors one within the other, a burner tip connected with the conductors, one of said conductors having one end exposed and provided with grooves, said grooves being disposed substantially tangentially with respect to the inner conductor whereby the effluent fuel mixture is given a whirling motion, a head engaging the exposed end of said last-named conductor and coacting with said grooves to form orifices, said inner conductor communicating with the outer conductor at a point above and in back of said head, resilient means yieldingly holding said head in engagement with the end of said conductor, and means for varying the tension of said resilient means.

2,276,132
CARRIER FREQUENCY SYSTEM
Alfred Wiessner and Herbert Nitz, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 19, 1939, Serial No. 285,238
In Germany July 25, 1938
1 Claim. (Cl. 179—2.5)

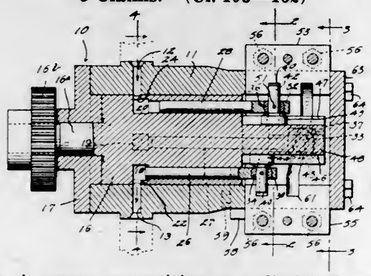
The combination of a toll exchange with a

multi-channel carrier wave system terminating in this exchange, the incoming carrier waves each being modulated with a side-band of a signal-modulated intermediate frequency, means at said toll exchange to demodulate the incoming carrier waves on each channel and thereby derive the signal-modulated intermediate frequency side-band for each channel, a subscriber's tele-



phone station, a two-wire line for conveying said intermediate frequency side-band of one of said channels to said subscribers' station, means at the toll exchange for adding to said transmitted side-band a carrier wave of said intermediate frequency, and means in the subscriber's station for demodulating said added carrier wave and said transmitted side-band to produce the signals.

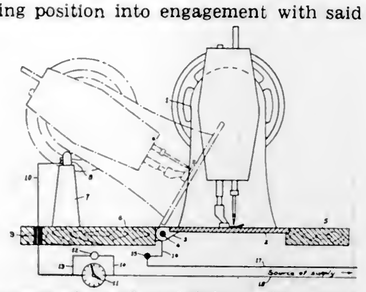
2,276,133
PUMP
Ritchie K. Williams, Roanoke, Va.
Application April 11, 1941, Serial No. 388,157
5 Claims. (Cl. 103—162)



1. A pump comprising a cylindrical axially bored casing having diametrically located inlet and outlet ports and hemi-annular channels formed in the bore of the casing communicating with said ports; a close-fitting plug rotatably mounted within the casing having pumping chambers formed therein communicating successively during rotation of the plug with the channel opening to the inlet port, and the channel opening to the outlet port; pump pistons within said chambers slidably mounted in the plug; and means for moving successively each of said pistons when the corresponding chamber is in communication with one of the hemi-annular channels comprising a plurality of cam riders, one slidably mounted near and operatively coupled to each of said pistons, and a head for the casing having internal cam-ways formed therein for engaging with and reciprocating the cam riders during rotation of the plug.

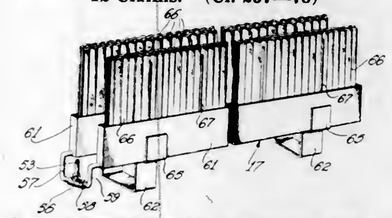
2,276,134
SEWING MACHINE SIGNAL SYSTEM
Roy H. Windham, Rome, Ga., assignor to B. J. Bandy, Dalton, Ga.
Application August 24, 1939, Serial No. 291,699
3 Claims. (Cl. 161—15)

1. A system of the character described comprising a time measuring means actuated by electrical energy, a source of electrical energy for said time measuring means, and a switch including a sewing head and a stationary contact whereby movement of said sewing head out of sewing position into engagement with said con-



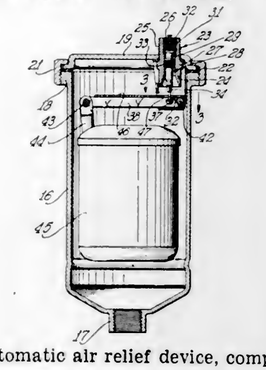
tact connects and maintains said source with said time measuring means to actuate it.

2,276,135
HUMIDIFIER
William J. Woolley, Chicago, Ill.
Application July 7, 1939, Serial No. 283,155
12 Claims. (Cl. 237—78)



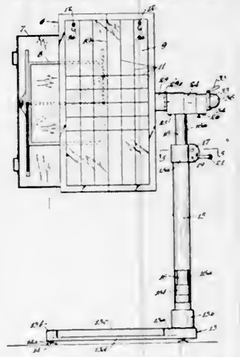
12. In a humidifier, an evaporation unit, comprising a plurality of narrow, elongated water troughs, a plurality of thin strips of corrugated water absorbent material mounted vertically in and extending upwardly from and longitudinally of said troughs, said strips being disposed in contacting relationship to each other to provide vertical tube-like passages between said strips, retaining members disposed in spaced relationship to each other in said troughs and extending upwardly therefrom for maintaining said strips in vertical position and said contacting relationship, and brackets for maintaining said troughs in substantially parallel relationship to each other and for supporting the same in spaced relation to a supporting surface.

2,276,136
AIR RELIEF DEVICE
William J. Woolley, Chicago, Ill.
Application July 7, 1939, Serial No. 283,156
3 Claims. (Cl. 137—122)



1. An automatic air relief device, comprising a relatively small casing, a float disposed interiorly of said casing, a normally substantially horizontal link pivotally mounted at one end interiorly of said casing and pivotally connected at the other end to said float, and a vertically disposed removable valve unit having an adjustable valve member mounted in and extending through the top wall of said casing including a valve stem extending through an aperture in said link and having an enlarged end portion adapted to be engaged by said link to open the interior of the casing to the atmosphere upon downward movement of said float.

2,276,137
X-RAY BUCKY DIAPHRAGM SUPPORT
Carl Young, Minneapolis, Minn.
Application June 14, 1940, Serial No. 340,511
4 Claims. (Cl. 250—58)
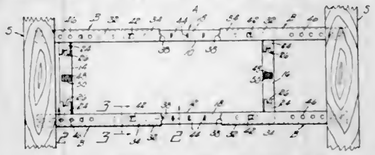


1. A combined X-ray Bucky and subject supporting apparatus comprising a subject supporting base forming a plane subject supporting surface disposed in a horizontal plane, an upstanding supporting structure rigidly fixed to said base adjacent an edge of said surface, a member carried by the upper portion of said supporting structure and projecting therefrom substantially horizontally to extend above said surface, an X-ray Bucky, means rotatably supporting said Bucky above said surface on said member for 360° rotation on said member, and means connecting said member to the upper portion of said supporting structure for adjustive tilting movement of said member in a vertical plane to enable accurate placement of said member in exact parallel relation with said surface.

2,276,138
VINYLARYL ESTERS
Van Vernon Alderman, Arden, and William Edward Hanford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1940, Serial No. 332,608
20 Claims. (Cl. 260—85)

8. A polymer of a vinylaryl ester, the vinyl aryl group of which is hydrocarbon.

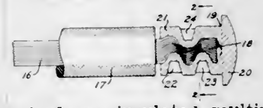
2,276,139
FRAME
Hilding Anderson, New Britain, and Stanley Hart, Kensington, Conn., assignors to Tuttle & Bailey Incorporated, New Britain, Conn., a corporation of Connecticut
Application November 25, 1939, Serial No. 306,074
2 Claims. (Cl. 98—114)

1. In combination, a frame having top and bottom members and side members, said top and bottom members having slots cut therein and spaced apart lengthwise of the member, a plurality of extension arms for suspending said frame, and means for mounting said arms on said frames comprising a lug carried by the end of each arm and offset out of the plane thereof the



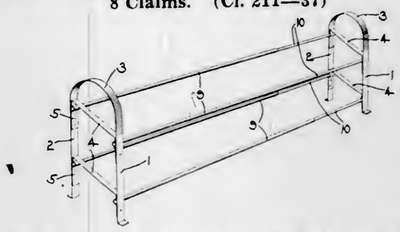
thickness of the frame member, and a second lug spaced from said first lug and extending vertically from the arm to the same side as said first lug, said lugs being spaced apart such distance that when the end lug is received within any of said frame slots the other lug will be received in another of said frame slots.

2,276,140
CONDUCTOR TERMINAL
Karl H. Andren and Russell T. Baird, Milwaukee, Wis., assignors to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 18, 1940, Serial No. 330,266
1 Claim. (Cl. 173—269)



In a terminal, an insulated multiple strand wire having its extreme end bared, and a tubular metal sleeve snugly embracing said bared end and having two deep and closely adjacent indentations on one side and a third deep indentation on its opposite side between the two adjacent indentations, said indentations being of such depth and so spaced as to compress and abruptly off-set the wire between said third indentation and each of the other two and to thereby produce a short corrugation provided with inclined connecting portions between the successive undulations each having a transverse cross-sectional area which is considerably less than the original cross-section of the wire and is also less than that of the adjacent valleys and ridges of the undulations.

2,276,141
SHOE RACK
Truman L. Atkinson, Ludington, Mich.
Application November 14, 1941, Serial No. 419,046
8 Claims. (Cl. 211—37)

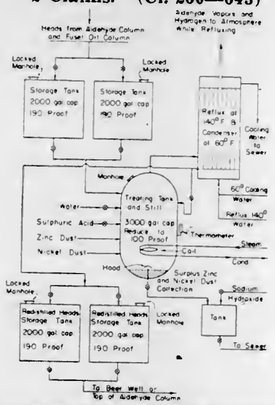


3. A device of the class described comprising, end members having spaced apart legs thereon, a brace of flexible material extending between the legs of each end member, the ends of each brace being turned downwardly parallel to the

adjacent leg and secured thereto, an inwardly extending loop in the end of each brace above the point where it is secured to the leg of the end member to thereby form an opening with the adjacent leg, rods extending between said end members to support articles thereon, the ends of said rods being received in said openings, and said openings being smaller than the ends of said rods, whereby the loops will be forced away from the adjacent legs and clamp the rods in place.

2,276,142
PROCESS FOR PURIFYING AND DEODORIZING ALCOHOLIC LIQUIDS

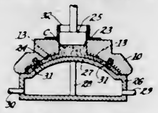
Harry G. Atwood, Peoria, Ill.
Application November 29, 1940, Serial No. 367,685
2 Claims. (Cl. 260—643)



1. The process of reclaiming commercially valuable alcohols from alcohol containing aldehydes which consists of mixing sulphuric acid, zinc dust and nickel powder with said aldehydes, heating and refluxing the mixture while volatalizing a portion to carry off undesirable elements, and then distilling the balance of the mixture to obtain deodorized, commercially valuable alcohol.

2,276,143
BEARING

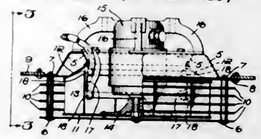
George Bell, Wallasey, England, assignor, by mesne assignments, to The Ironsides Company, Columbus, Ohio, a corporation of Ohio
Application July 17, 1937, Serial No. 154,286
In Great Britain December 31, 1935
2 Claims. (Cl. 18—59)



1. The method of forming bearings which comprises utilizing a bearing block having a lining-receiving surface and an opening surrounding the medial radial center line of the block and extending therefrom to the rear of said block, positioning a hollow die in engagement with said block, said die being provided with an arcuate face disposed in spaced relation from said lining-receiving surface, providing a ram in said block opening to coincide with the medial radial center line of the block, filling the space between the ram and die with an excess of a finely divided dry synthetic resin, introducing steam into said die to soften the resin, and forcing said ram into the opening in said block to exert pressure on said softened resin to cause it to closely engage the surfaces of said block and die.

2,276,144
FAN HEATER UNIT

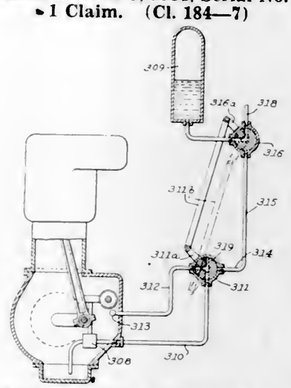
Carl O. Bergstrom, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application August 17, 1940, Serial No. 352,987
1 Claim. (Cl. 219—39)



A fan heater unit for mounting to a surface comprising a plate having a central opening therein for the passage of air, means attached to one side of said plate around said opening and forming supports for attaching said unit to said surface, a centrifugal fan, means for attaching said fan to the other side of said plate, said fan including a fan wheel having a back plate and having a central inlet opening in axial alignment with said opening in said plate, an inlet casing having an outer end extending from said plate around the opening therein and having an inner end extending into said inlet opening, a plurality of spaced air diffusing plates extending around said wheel perpendicular to the axis thereof, and an electric resistor element supported within said inlet opening between said inner end of said casing and said back plate extending in a circular arc substantially around the circumference thereof.

2,276,145
LUBRICATION

Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application October 9, 1934, Serial No. 747,501
1 Claim. (Cl. 184—7)

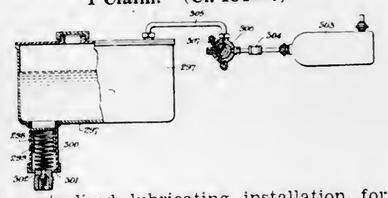


A lubricating system comprising a source of lubricant, an accumulator device, piping fed from said device, a pump receiving lubricant from said source and forcing it into the accumulator device, manually controlled valve means for controlling the amount of lubricant forced to said accumulator device from said pump, an outlet from the accumulator device, and a valve controlling said outlet automatically actuated to establish communication between the device and

piping when said first mentioned valve means is actuated to cut off communication between the pump and device.

2,276,146
LUBRICATION

Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application October 22, 1935, Serial No. 46,080½
1 Claim. (Cl. 184—7)

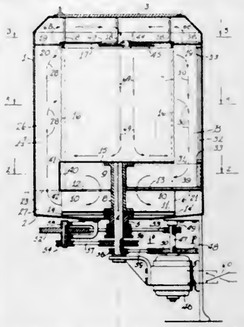


A centralized lubricating installation for a mechanism having a plurality of spaced and distributed bearings, said installation comprising a central reservoir and distributing station and a plurality of independent conduits leading from said station to the bearings to be lubricated, each receiving a measured charge of lubricant from said station, said station comprising a main chamber and a plurality of auxiliary chambers, one for each conduit, directly attached to and opening into the bottom of said main chamber, pressure means to force lubricant from said main chamber into said auxiliary chambers, said means simultaneously causing said auxiliary chambers to discharge into said conduits, each auxiliary chamber discharging a measured charge into its respective conduit, said auxiliary chambers being at all times substantially completely filled with lubricant, each said auxiliary chamber having a threaded cap closing the outlet end thereof having a central bore and a threaded outlet nipple communicating with said bore, said nipple receiving a spring seated ball check, including a cup shaped piston member, the cup of which opens downwardly, a coil spring received in the cup of said piston pressing it toward the opening into the bottom of the main chamber, said spring reacting against said cap and the outer edge of said cup contacting said threaded cap when in lowermost position and sealing the outlet through said cap when lubricant is forced from said main chamber into said auxiliary chambers, said pistons returning toward the bottom of the main chamber under the force of said coil spring by reason of by-passage of lubricant when the pressure forcing the lubricant from said main chamber into said auxiliary chambers is released.

2,276,147
WASHING METHOD

John E. W. Birr, San Leandro, Calif., assignor of fifty per cent to J. H. Nicolini, Alameda, Calif.
Substitute for abandoned application Serial No. 49,543, November 13, 1935. This application May 3, 1940, Serial No. 333,139
2 Claims. (Cl. 8—159)
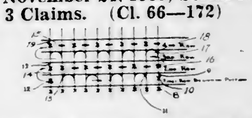
1. The herein described method of washing clothes which consists in rotating the clothes about a vertical axis for causing them to move outwardly due to centrifugal force, confining the clothes in a circular area, directing water into a portion of this area and against the clothes for moving the clothes in this portion against the body of clothes for creating a squeezing effect upon this portion of the body of clothes, whereby the clothes will have a tendency to move outwardly during a part of their rotation and fill with water, and will be moved inwardly during another part of their rotation and will have water



squeezed therefrom, thus simulating hand washing of alternately squeezing water from the clothes and then allowing them to again fill up with water.

2,276,148
LOCKSTITCH AND PATTERN TO PREVENT THREAD RUNS

Correll Coffman Bisch, Springfield, Ill., assignor of fifty per cent to Morris R. Myers, Springfield, Ill.
Application November 24, 1939, Serial No. 305,785
3 Claims. (Cl. 66—172)

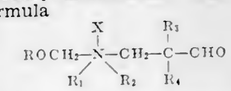


1. A lockstitch pattern for knitted fabrics, to prevent runs and comprising as a pattern unit, four parallel rows of stitches and comprising in the first row, a single stitch followed by a plurality of groups of two stitches knitted together across the row and ending with a single stitch, a second row above the first knitted in the opposite direction thereto and comprising one single stitch followed by a lockstitch increase in each successive stitch across the row and ending with a single stitch, a third row next above the second and knitted in the same direction as the first row and comprising successive groups of two stitches together across the entire row, a fourth row next above the third and knitted in the same direction as the second row and comprising a lockstitch increase in each succeeding stitch across the row, thus defining a lockstitch pattern in a fabric band which will prevent thread runs through such a pattern of a knitted fabric band.

2,276,149
ALDEHYDO QUATERNARY AMMONIUM COMPOUNDS

Louis H. Bock, Glenside, and Alva L. Houk, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 2, 1940, Serial No. 350,134
11 Claims. (Cl. 260—584)

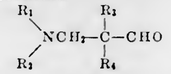
1. Quaternary ammonium compounds of the general formula



wherein R is a group selected from the class con-

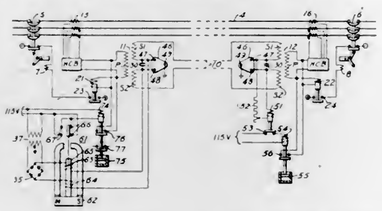
sisting of aliphatic, arylaliphatic, and hydroarylaliphatic groups having at least one hydrogen on the carbon atom attached to the ether oxygen atom, R_1 and R_2 are members of the class consisting of aliphatic and cycloaliphatic hydrocarbon groups when taken individually and when taken together divalent saturated aliphatic radicals which jointly with the nitrogen form a heterocycle, R_3 is a member of the class consisting of hydrogen and lower alkyl groups, R_4 is a member of the class consisting of hydrogen and aliphatic hydrocarbon groups, and X is a halogen.

10. A method of preparing aldehydo quaternary ammonium compounds which comprises reacting between 0° C. and about 60° C. a compound of the formula



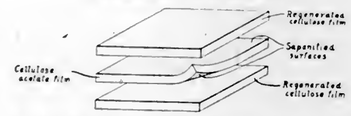
wherein R_1 and R_2 represent members of the group consisting of aliphatic groups and cycloaliphatic hydrocarbon groups when taken individually and when taken together divalent saturated aliphatic radicals which jointly with the nitrogen form a heterocycle, R_3 is a member of the group consisting of hydrogen and lower alkyl groups, and R_4 is a member of the class consisting of hydrogen and aliphatic hydrocarbon groups with a halomethyl ether of the formula $ROCH_2X$ wherein R is a group selected from the group consisting of aliphatic, arylaliphatic, and hydroarylaliphatic groups having at least one hydrogen on the carbon atom attached to the ether oxygen atom and X is a halogen.

2,276,150
PILOT WIRE SUPERVISION
Myron A. Bostwick, Budd Lake, and Bert V. Hoard, Millburn, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 13, 1939, Serial No. 278,845
7 Claims. (Cl. 177—311)



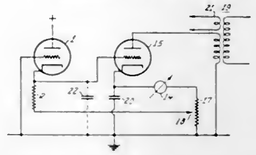
1. In combination, a protected alternating-current line-section, a pilot wire between the ends thereof, line-current-responsive voltage-producing means at the respective ends of the pilot wire for circulating alternating current through the pilot wire during normal fault-free line-conditions, a line-protecting relay at each end of the pilot wire, each line-protecting relay having an operating coil in shunt-circuit relation to the pilot wire, a capacitor in series-circuit relation to the pilot wire at each end thereof, the effective impedances of the pilot wire and the capacitors being sufficiently small to produce no operation of the line-protecting relays during normal fault-free line-conditions, a shunting circuit around each capacitor, each shunting circuit having a resistance which is larger than the impedance of the pilot wire, a direct-current source serially included in only one of said shunting circuits, said one of the shunting circuits also including the operating means of a sensitive direct-current supervisory relaying-means, said supervisory relaying-means having pilot-fault-responsive back-contacts which are open during normal pilot-wire conditions and which are closed in response to a predetermined decrease in the direct current flowing in the pilot wire, and means responsive to a closure of said back-contacts for connecting a circuit across that end of the pilot wire.

2,276,151
PHOTOGRAPHIC ELEMENT HAVING A LAMINATED FILM SUPPORT
Jacques Edwin Brandenberger, Paris, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 5, 1939, Serial No. 282,944
In France July 9, 1938
8 Claims. (Cl. 95—9)



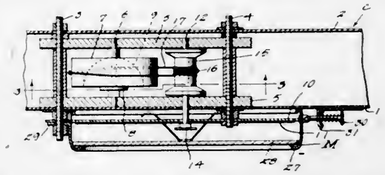
6. A photographic film element comprising a transparent laminated film support composed of a sheet of cellulose acetate having each surface saponified and united to a sheet of regenerated cellulose, at least one of the last mentioned sheets containing a stratum of light sensitive material.

2,276,152
THERMIONIC VALVE VOLTMETER AND POTENTIOMETER CIRCUITS AND THE LIKE
Cabot Seaton Bull, Hillingdon, and Alan Dower Blumlein, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application November 16, 1938, Serial No. 240,736
In Great Britain November 18, 1937
8 Claims. (Cl. 171—95)



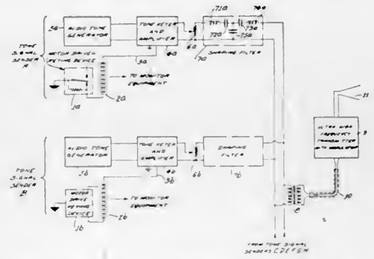
1. In a thermionic valve circuit arrangement, a thermionic valve having a cathode, an anode, and a control electrode associated with shielding means for preventing the cathode and the cathode lead having a large capacity to the anode, said tube having a predetermined dynamic impedance, said tube having a predetermined internal resistance, a resistance element which is high as compared to the internal resistance of the tube, said resistance element being connected between said cathode and a point at a fixed potential, and means for maintaining said control electrode at a steady potential with respect to said fixed potential, the arrangement being such that when said cathode is connected to said point and said control electrode is maintained at said potential and such a high positive potential is applied to the anode of said valve that an appreciable anode current flows, the end of said high resistance adjacent the cathode acquires a potential relative to said fixed potential which is substantially a fixed fraction of the potential applied to said anode.

2,276,153
CALCULATING METER FOR ROAD BUILDING
Robert E. Burnham, Hartshorne, Okla., and George V. Burnham, Whitewright, Tex.
Application February 16, 1939, Serial No. 256,804
1 Claim. (Cl. 33—215)



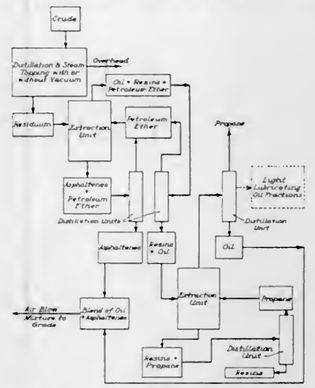
A calculating meter for road building comprising a casing having front and rear walls, parallel bars within the casing, bolts disposed through the front and rear walls of the casing and through the end portions of the bars for supporting the bars within the casing, said bolts extending beyond the front wall of the casing, a dial plate supported by said extended portions of the bolts, a shaft rotatably supported by the bars and bridging the space therebetween, said shaft extending through the front wall of the casing and through the dial plate, an index carried by said shaft and outwardly of the dial plate, a second shaft rotatably supported by the bars and bridging the space therebetween, pulleys mounted on both of the shafts for rotation therewith, a pendulum carried by the second shaft, and a flexible connection winding upon both of the pulleys but in reverse directions whereby the pulleys are in driven connection.

2,276,154
MULTICHANNEL SIGNALING SYSTEM
Paul F. Byrne, West Caldwell, and Armig G. Kandoian, Newark, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of New York
Application August 9, 1938, Serial No. 223,848
10 Claims. (Cl. 250—9)



1. A system for transmitting a series of telegraphic signals having a given maximum dotting frequency, comprising a transmission path, converting means controlled by said signals for delivering to said path a carrier modulated with said signals, said converting means including restricting means for restricting the sidebands substantially to those frequencies corresponding to signal components below the third harmonic of the dotting frequency, means for deriving said restricted modulated carrier from said path at a remote point, and means for reconverting said derived modulated carrier into a series of square-shaped telegraphic signals, said reconverting means including limiting means for recreating the higher harmonic components eliminated.

2,276,155
ASPHALT AND PROCESS FOR PRODUCING THE SAME
Donald E. Carr, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 7, 1939, Serial No. 255,084
9 Claims. (Cl. 196—74)



1. A process for producing asphalts having air-blown characteristics which comprises separating an asphalt residuum into an asphaltene fraction, a resin fraction and an oil fraction and blending said oil fraction with said asphaltene fraction to produce a composited asphalt which is substantially free from resins and subsequently oxidizing said blend.

8. A composited asphalt produced from an asphalt residuum which comprises a blend of asphaltenes and oil, said composited asphalt being substantially free from light resins contained in said asphalt residuum and having air-blown characteristics and weathering life substantially greater than an oxidized asphalt produced by air-blowing said asphalt residuum without prior separation of resins therefrom to a melting point substantially the same as that of said composited asphalt.

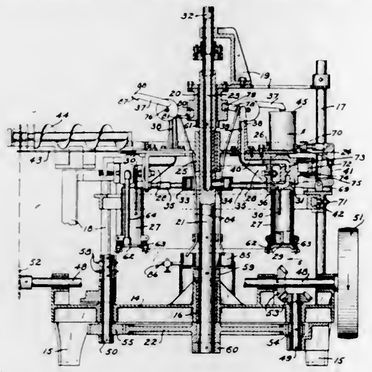
2,276,156
PROCESS FOR MAKING 1-CYANO-1,3-BUTADIENE
Albert S. Carter and Frank Willard Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,074
10 Claims. (Cl. 260—464)

1. Process for the manufacture of 1-cyano-1,3-butadiene which comprises reacting a member of the group consisting of 4-chloro-1,2-butadiene and 4-bromo-1,2-butadiene with a water-soluble ionizable cyanide while the 4-chloro-1,2-butadiene is in aqueous emulsion.

2,276,157
FILLING MECHANISM
Frank D. Chapman, Berlin, Wis.
Application December 4, 1939, Serial No. 307,367
10 Claims. (Cl. 226—97)

1. In combination, an annular series of measuring cylinders revolvable about an axis and each having therein a piston movable in opposite directions by liquid under pressure admitted to the cylinder, means for supporting receptacles above

and closely adjacent to said cylinders, a spout for conducting liquid from each of said cylinders into the top of an adjacent receptacle, means for positively moving the delivery ends of said spouts both toward and away from the succes-



sive adjacent receptacles, and a valve interposed directly between each of said cylinders and said supporting means and being operable by the receptacles to alternately connect the two opposite displacement chambers of each cylinder with the corresponding spout.

2,276,158

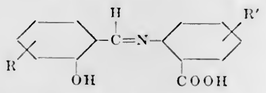
SUPPRESSION OF METAL CATALYSIS

Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 22, 1940, Serial No. 315,048

5 Claims. (Cl. 44—92)

1. A process for suppressing the catalytic effect of metal compounds on gum formation in olefin-containing hydrocarbon distillate which comprises adding to said distillate a relatively minor portion of a compound having the general formula



wherein R and R′ are substituent alkyl groups, hydroxyl groups or hydrogen atoms.

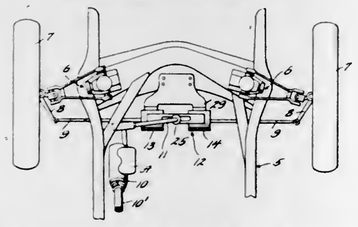
2,276,159

HYDRAULIC STEERING MECHANISM

John Christian, Baton Rouge, La.

Application January 24, 1939, Serial No. 252,672

5 Claims. (Cl. 280—87)



1. In combination a driving and a driven device of a steering mechanism, a hydraulic mechanism interposed between the driving and driven devices, said hydraulic mechanism embodying two sets of pairs of cylinders, pistons operable in the cylinders, piston rods connecting each pair of pistons, connecting arms formed on the rods, the driving device being connected to one rod through the medium of one of said arms, the driven device being connected to the other rod through the other of said arms, guide means for said arms, conduits connecting the opposite cylinders of each set, means controlling the flow of fluid through the conduits from one to the adjacent set of cylinders and from the adjacent set to the other set of cylinders, said means preventing the transmission of motion from the lower to the upper pistons.

2,276,160

LINEAR POLYMERIC SECONDARY THIOAMIDES

Donald D. Coffman, Wilmington, and Lucius Gilman, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1940, Serial No. 318,196

11 Claims. (Cl. 260—2)

1. Linear polymeric secondary amides of primary monoaminomonocarbothionic acids having a recurring structural unit —NH—R—CS— wherein R is a divalent hydrocarbon radical having a chain length of at least five and wherein the valence attached to nitrogen stems from aliphatic carbon.

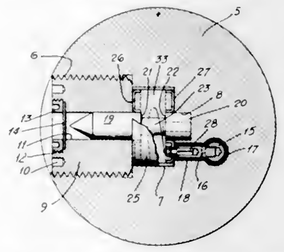
2,276,161

GUN TYPE CASING PERFORATOR

Cawthern C. Cole, Whittier, Calif.

Application July 5, 1940, Serial No. 344,115

21 Claims. (Cl. 164—0.5)



1. A projectile for gun perforators providing opposing faces and a connecting portion therebetween frangible by total explosive propulsive pressure against said faces.

2,276,162

STABILIZED MINERAL OIL

Philip Gordon Colin, Westfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Substituted for abandoned application Serial No. 137,012, April 15, 1937. This application December 17, 1940, Serial No. 370,559

3 Claims. (Cl. 252—50)

1. Mineral oil composition comprising a viscous hydrocarbon oil normally tending to deteriorate in service and having incorporated therewith deterioration inhibiting proportions of di-alpha naphthylamine.

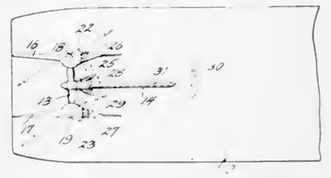
2,276,163

WATERCRAFT

Richard Newell Coolidge, Nashville, Tenn.

Application February 11, 1941, Serial No. 378,455

6 Claims. (Cl. 115—35)



1. In steering apparatus for screw propelled vessels, the combination with a propeller, of balanced rudders, one disposed at each side of said propeller, means supporting said rudders for pivotal and concurrent movement about upstanding axes disposed in a common plane generally perpendicular to the propeller axis, each of said rudders having an intermediate part of the inner face thereof formed as a portion of a surface of revolution of which the generating axis is substantially coincident with the rudder axis, and of which the generatrix is an arc of a circle substantially concentric with the circle described by the propeller tips and of slightly greater radius, the inner faces of the rudders diverging forward and aft from the said intermediate parts thereof to an extent sufficient to permit required acceleration and deceleration of the propeller race without disturbing loss due to cavitation in either forward or reverse direction of movement of the vessel.

2,276,164

PREPARATION OF POLYTHIOAMIDES FROM THIOLACTAMS

Norman L. Cox, Claymont, and William E. Hanford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1940, Serial No. 318,198

12 Claims. (Cl. 260—2)

1. Linear interpolymeric secondary amides of primary monoaminomonocarbothionic acids having a recurring structural unit —NH—R—CS— wherein R is a divalent hydrocarbon radical having a chain length of at least five, and wherein the valence attached to nitrogen stems from aliphatic carbon, and further characterized by having a recurring structural unit of the class consisting of the reaction residues —NH—R^1—CS— of different thiolactams, the reaction residues —NH—R^2—CO— of lactams, and the reaction residues —O—R^2—CO— of lactones, R^1 and R^2 being divalent hydrocarbon radicals, R^1 being different from R.

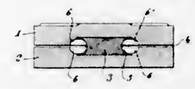
2,276,165

HAIR CURLER

Eva Elizabeth Custis, New York, N. Y.

Application May 3, 1941, Serial No. 391,669

11 Claims. (Cl. 132—44)



1. A hair curler comprising a couple of parallel discs of soft, resilient material and a hub of firm material intermediate said discs made integral therewith, said discs being disconnected from one another outside said hub to allow their separation for the introduction of a lock of hair between them, but close enough to one another to block the escape of said lock of hair.

2,276,166

PROCESS OF PREPARING CHLORINATED BROMOMETHANES

Karl Dachlauer, Hofheim in Taunus, and Hermann Petri, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 25, 1939, Serial No. 286,408. In Germany July 28, 1938

3 Claims. (Cl. 204—163)

1. The process which comprises causing chlorine to act upon liquid methyl bromide with exposure to actinic light.

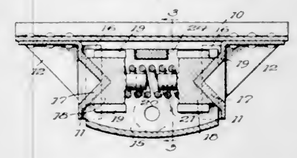
2,276,167

MINE CAR BUMPER

William T. Dalton, Ansted, W. Va.

Application February 15, 1940, Serial No. 319,147

2 Claims. (Cl. 213—9)



1. In a bumper for mine cars, the combination of the end sill of the car body, transversely spaced, longitudinally extending ways attached to the outer face of said sill, a pair of laterally spaced fixed friction blocks mounted on said ways, upper and lower plates slidable in said ways longitudinally of the car body, a buffing member connecting the outer edges of said plates, a second pair of laterally spaced slidable friction blocks carried between said plates in engagement with the fixed blocks, transversely extending guide members on said plates for said slidable blocks, said fixed blocks and said slidable blocks having contacting inclined surfaces and said slidable blocks being movable longitudinally of said guides toward each other upon movement of said plates longitudinally of the car body, a spring interposed between said slidable blocks yieldingly resisting their movement toward each other, said slidable blocks being movable into engagement with each other before said spring is fully compressed, and a coupling yoke having one of its legs rigidly secured to one of said plates, the legs of said yoke and said plates having alined openings for the reception of a coupling pin.

2,276,168

COMBINED COUPLING AND DRAFT RIGGING MECHANISM

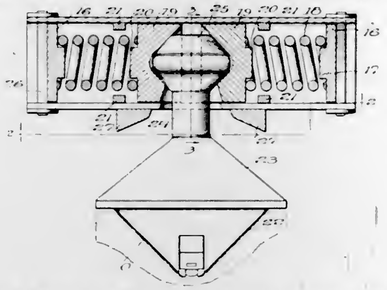
William T. Dalton, Ansted, W. Va.

Application February 19, 1940, Serial No. 319,776

9 Claims. (Cl. 213—38)

1. In a combination coupler and draft rigging for mine cars, a housing having an opening in the front thereof for a coupler shank, an enlargement on said shank within said housing, follower blocks engaging said enlargement and slidable transversely of said shank by tilting motion of the

shank, and means yieldingly forcing said blocks against said enlargement, said enlargement and



shank being freely rotatable with respect to said blocks about the longitudinal axis of said shank.

2,276,169

POLYAZO DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE

Fritz Dobler and Hans Buess, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application February 9, 1940, Serial No. 318,182. In Switzerland February 15, 1939

13 Claims. (Cl. 260—166)

6. A process for the manufacture of a brown tetrakisazo dyestuff, comprising diazotizing 1-amino-8-hydroxynaphthalene-3:6-disulphonic acid, coupling the obtained diazo body with 3-hydroxy-2'-methyl-diphenylamine, combining the monoazodyestuff thus obtained in alkaline medium with diazotized 1-aminobenzene-4-sulphonic acid, causing the disazodyestuff thus obtained to react in alkaline medium with the diazotised monoazodyestuff from 1-amino-4-nitrobenzene, diazotised and coupled with aminonaphthalene sulphonic acid Cleve (technical mixture) and precipitating the final dyestuff.

2,276,170

SIDING FOR BUILDINGS

Armin Elmendorf, Winnetka, Ill.

Application October 26, 1940, Serial No. 362,952

12 Claims. (Cl. 20—5)



1. A rectangular siding panel or slab comprising short, thin boards each as long as one dimension of the panel arranged edge to edge, each board being slitted lengthwise into narrow strips to at least such an extent that each strip may expand and contract individually, and a cleat set partly into and extending across the panel transversely of the boards near an edge of the panel, the protruding portion of said cleat having slots extending transversely across the same.

2,276,171

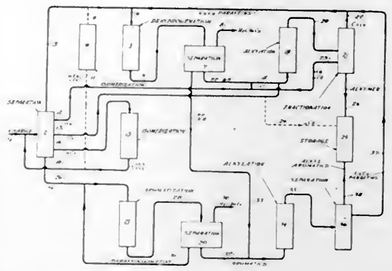
PRODUCTION OF MOTOR FUELS

Robert Bartlett Ewell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application April 30, 1940, Serial No. 332,428

6 Claims. (Cl. 196—10)

1. A process for producing more valuable products from volatile saturated gasoline which comprises fractionating the gasoline to form a light fraction containing normal butane and a heavier fraction containing hexane and higher boiling hydrocarbons, subjecting said light fraction to dehydrogenation to produce olefins therefrom,



subjecting said heavier fraction to aromatization to form aromatics, commingling the latter with at least a portion of said olefins, subjecting the resultant mixture to alkylation to react olefins with aromatics, and recovering the alkylated aromatics thus formed.

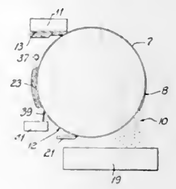
2,276,172

PREPARATION OF SCALE SALTS

Henry V. Farr, Ferguson, and John R. Ruhoff, Normandy, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

Application June 12, 1940, Serial No. 340,132

9 Claims. (Cl. 159—49)



7. The method of treating a non-crystalline scale salt which comprises applying a film of a solution of the salt to a drum drier for hardening and self-scaling at a subsequent point, heating the drum drier, and cleaning and applying a film of a bond-preventing substance to the drum before applying the salt and after the scaling point.

2,276,173

METHOD OF RECLAIMING WOOL

Carl S. Ferguson, Newton, Mass.

No Drawing. Application April 3, 1939, Serial No. 265,768

7 Claims. (Cl. 8—140)

1. A method of removing natural silk and vegetable matter from a mixture containing wool, natural silk and vegetable matter, comprising treating the mixture with a hot concentrated solution of zinc chloride, calcium chloride and aluminum chloride to dissolve the silk, the zinc and calcium chlorides being in excess of the aluminum chloride, removing excess solution after treatment, drying and baking the mixture to disintegrate the vegetable matter, and washing the residue.

2,276,174

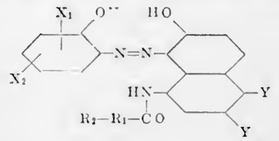
AZO DYESTUFFS

Richard Fleischhauer and Adolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application March 25, 1939, Serial No. 264,188. In Germany April 2, 1938

6 Claims. (Cl. 260—199)

1. The compounds of the general formula:



wherein

X_1 and X_2 represent members of the group consisting of hydrogen, chlorine, bromine, methyl, nitro, acylamino and sulfonic acid,

one Y represents a sulfonic acid group and the other Y represents hydrogen,

R_1 represents a member of the group consisting of —NH— and —O— and

R_2 represents a member of the group consisting of alkyl, cycloalkyl, aralkyl of the benzene series and aryl of the benzene series,

said compounds being dyestuffs which yield on wool, when after-treated with chromium salts on the fiber, valuable vivid grey tints of excellent fastness properties.

2,276,175

PHTHALOCYANINE PIGMENT

Maurice H. Fleysher and James Ogilvie, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application April 7, 1939, Serial No. 266,538

10 Claims. (Cl. 260—314)

1. A process of improving an acid pasted copper phthalocyanine pigment which comprises subjecting said acid pasted pigment to a mild oxidation treatment with a dilute aqueous solution of an inorganic oxidizing agent under non-acid conditions.

2,276,176

COPOLYMERS OF ESTERS OF ALPHA-METHYLENE OPEN CHAIN ALIPHATIC MONOCARBOXYLIC ACIDS WITH FROSTING DRYING OIL VARNISHES

Robert Barnett Flint and Henry Shirley Rothrock, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 29, 1940, Serial No. 326,788

20 Claims. (Cl. 260—23)

1. An interpolymer of a preformed heat-blended frosting drying oil-varnish gum varnish with a polymerizable ester of an alpha-methylene open-chain aliphatic monocarboxylic acid.

2,276,177

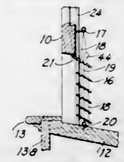
COMBINATION SHUTTER, BLIND, AND VENTILATING DEVICE

John Cyril Flugger, San Francisco, Calif.

Application April 18, 1939, Serial No. 268,494

9 Claims. (Cl. 98—99)

1. A combination shutter, blind and ventilating device comprising a plurality of shutter bars, open-ended slots in the opposite edges of said bars, said shutter bars being disposed one above the other and said series of slots being substantially in vertical alignment, flexible supporting



means fitting in said slots and adapted to position said shutter bars in spaced apart parallel relationship with unobstructed ventilating spaces therebetween, and means for securing said bars to said flexible supporting means.

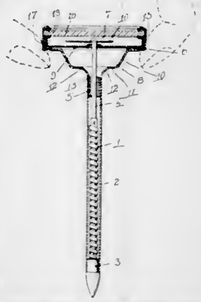
2,276,178

MEAT THERMOMETER

George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y., a corporation of New York

Application April 21, 1939, Serial No. 269,191

3 Claims. (Cl. 73—352)



3. In a thermometer adapted for insertion into a roast or other object, the combination of a tube of substantially uniform diameter thruout its length with a closed pointed end at the bottom thereof, a thermo-responsive member within said tube, a dial housing, a spacing chamber at the bottom of said housing, a tubular extension projecting from the bottom of said spacing chamber for telescopic connection with the top of said tube, the bottom of said spacing chamber providing stop means for limiting the insertion of said tube and providing heat exchange contact with the surface of the roast or other object, indicating means in said dial housing, a dial shaft connecting said thermo-responsive member with said indicating means, and a bearing for said dial shaft within said tube spaced from the bottom of said spacing chamber.

2,276,179

THERMOMETER AND SUPPORT THEREFOR

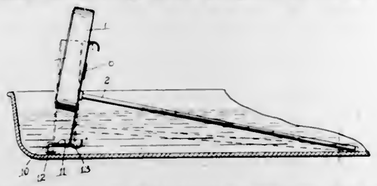
George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Co. Incorporated, Rochester, N. Y., a corporation of New York

Application December 18, 1939, Serial No. 309,781

10 Claims. (Cl. 73—343)

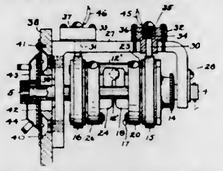
1. A thermometer comprising a dial case, a thermometer tube projecting from the back of said dial case, an anchoring stud projecting from the back of said dial case at a point diametrically in line with the point of projection of said thermometer tube, and a longitudinally bowed sheet metal supporting bracket having a slot extending

longitudinally thereof carried on the back of said dial case with said anchoring stud and said thermometer tube projecting therethru, and a head on said anchoring stud adapted to draw the



bowed portion on said bracket against the back of said dial case to yieldingly hold said bracket in adjustable positions on the back of said dial case relative to said thermometer tube.

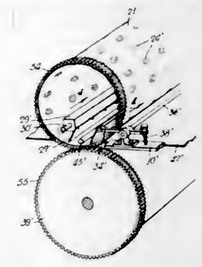
2,276,180
CIRCUIT CONTROLLER
Burdette W. Foss and Walter McGee, Fort Wayne, Ind.; said Foss assignor to said McGee
Application December 11, 1939, Serial No. 308,632
4 Claims. (Cl. 200—27)



1. A circuit controller comprising a frame having alined bearings in its ends, a pair of sleeves each mounted in a respective bearing for rotation in said frame, cams each fixed on a respective sleeve, a shaft extending through said sleeve and having one of the sleeves fixed thereto, the other sleeve being rotatable with respect to the shaft to constitute a freely adjustable sleeve, contact arms spring held against said cams and having terminal points in opposed alinement, spaced contact rings each adjacent a respective cam and revoluble on a respective sleeve, means connecting said contact rings for simultaneous rotation of the rings, means for rotating one of said rings, brushes engaging said rings, a pair of cam setting pointers one of which is fixed to the shaft and the other to said freely adjustable sleeve, and connections between the contact points and rings.

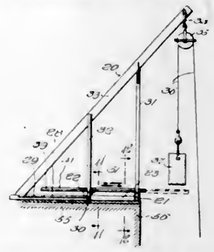
2,276,181
FABRIC PRINTING PROCEDURE
Hallet Jean Foster, Providence, R. I., assignor to Velveray Corporation of America, Inc., a corporation of New York
Application June 30, 1939, Serial No. 282,229
6 Claims. (Cl. 101—116)

5. A printing apparatus comprising a pressure roller, a rotating perforated cylindrical stencil having a plurality of fine perforations thereon to form imprinting areas, means to hold an imprinting fluid inside of said stencil on the side opposite said pressure roller, consisting of plates extending longitudinally of the cylindrical stencil parallelly to the axis of the cylindrical stencil on both sides of the line of contact between the cylindrical stencil and the pressure roller, and means pressing against the interior of said cylindrical stencil to prevent return of said fluid, said means being located at the point of application of said pressure roller, said perforations consisting of small circles having dimensions varying from about 50 to 68 wire mesh, about



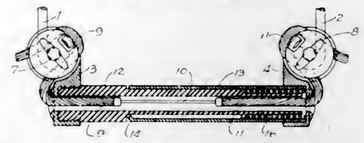
100 to 400 of said perforations being employed per square inch.

2,276,182
HOISTING APPARATUS
Frederick C. Garand, Chicago, Ill.
Application October 16, 1941, Serial No. 415,285
8 Claims. (Cl. 212—71)



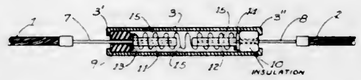
1. In a hoisting apparatus, a supporting structure including a base and a supporting member arranged above the base and extending outwardly beyond the base, hoisting means mounted upon the outer end of the supporting member, roller means mounted upon the base, a platform mounted upon the roller means to be shifted outwardly toward the hoisting means, and means to limit the outward movement of the platform.

2,276,183
ELECTRIC FUSE DEVICE
Edgar W. Garrison, Jr., Birmingham, Ala., assignor to Southern States Equipment Corporation, Birmingham, Ala.
Application March 10, 1939, Serial No. 260,939
2 Claims. (Cl. 200—117)



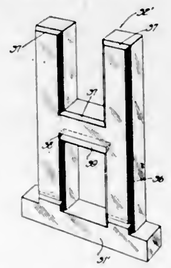
1. In a fuse device, an insulating tube a line terminal attached to one end of it, a metallic tube slidable over the other end of said insulating tube and biased away from it, a second line terminal on the metallic tube and spaced away from the first said terminal, means to limit the relative travel of the two tubes and a fuse link extending within both tubes with an end connected to each of said terminals to hold the said tubes together.

2,276,184
ELECTRIC FUSE
Edgar W. Garrison, Jr., Birmingham, and George N. Lemmon, Homewood, Ala., assignors to Southern States Equipment Corporation, Birmingham, Ala.
Substituted for abandoned application Serial No. 247,574, December 24, 1938. This application August 31, 1940, Serial No. 355,370
5 Claims. (Cl. 200—123)



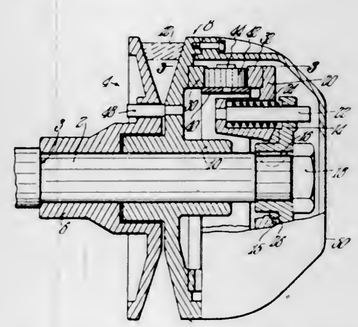
1. In an electric fuse, a tubular container, a heating coil within the container and forming part of the circuit therethrough; an annular insulating ring secured within each end of the container; two metallic blocks within the coil and adjacent, respectively, to the two insulating rings and electrically connected to the said heater coil; a small fusible conductor soldered to each of the said metal blocks, extending through the adjacent said insulating ring and secured to a relatively larger conductor which extends beyond the said container.

2,276,185
ILLUMINATED SIGN
Alfred Gauthier, New York, N. Y., assignor to Colorvision Ads, Inc., New York, N. Y., a corporation of New York
Application April 25, 1939, Serial No. 269,925
9 Claims. (Cl. 40—130)



1. An illuminated sign comprising a block-like body of a predetermined sign character shape constructed of a solid crystal clear substance and having flat vertically extending side surfaces and flat top and bottom horizontally disposed surfaces, which surfaces combined define a border outline of the block-like body, a concealed source of light beneath said body having its light rays directed upwardly through said body from the underside thereof, inwardly beveled light intercepting and forwardly reflecting surfaces provided at the rear edges of the vertically extending side surfaces of said body and at the top horizontal surfaces thereof, V-shaped recesses provided in the rear surface of said body adjacent the edges of the bottom surfaces thereof and extending the length of said bottom surfaces, the bottom angular walls of said V-shaped recesses being disposed in the path of light from said source of light and constituting light intercepting and forwardly reflecting surfaces, whereby the light intercepting and reflecting surfaces pick up rays of light from said source of light and reflect them forwardly through said body to impart a uniform illuminated border outline to the body when viewed from the front thereof.

2,276,186
PULLEY CONSTRUCTION
Raymond E. Getchell, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts
Application July 8, 1941, Serial No. 401,455
8 Claims. (Cl. 74—230.17)



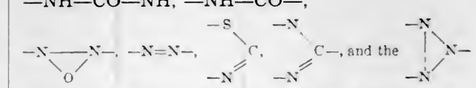
1. The combination with a shaft of a pulley construction comprising in combination, a pair of pulley half-parts rotatable on said shaft having inner inclined surfaces forming a V-groove for a V-belt, one of said half-parts held against axial displacement on said shaft by a shoulder provided thereon, driving connections between the other pulley half-part and shaft including compensating means urging said other half-part towards said one-half part when a belt in the pulley groove tends to move the former away from the latter half-part, said compensating means including cam members secured to said other half-part and a member connected to said shaft having pairs of inclined surfaces and rolls between the surfaces of the pairs thereof.

2,276,187
ACYL DERIVATIVES OF AZO DYESTUFFS, AND PROCESS OF PREPARING SAME
Charles Graenacher, Riehen, Franz Ackermann, Binningen, and Heinrich Bruengger, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 7, 1939, Serial No. 303,322. In Switzerland August 17, 1935
8 Claims. (Cl. 260—203)

1. The acyl derivatives of the azo-dyestuffs which are free from carboxyl groups and sulfonic groups and are characterized by the atomic grouping



wherein R_1 and R_3 each stands for a radical comprising a plurality of nuclei which are selected from the group consisting of the nuclei of the benzene and of the naphthalene series and are connected by a bridge selected from the group consisting of the diphenyl linkage, the —CH=CH—, —CH_2—, —O—, —NH—, —NH—CO—NH, —NH—CO—,



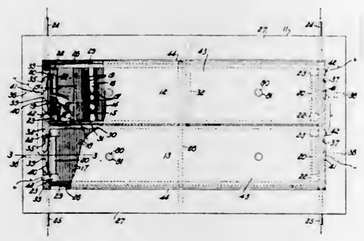
linkage, R_2 stands for the nuclear radical of an

aromatic hydroxy carboxylic acid and x stands for one of the two tautomeric forms

$$-\underset{\underset{O}{\|}}{C}-\underset{\underset{H}{|}}{N}- \text{ and } -\underset{\underset{OH}{|}}{C}=N-$$

the carbon atom being linked to R_2, and wherein the azo-group and the OH-group stand in ortho-position to each other, in which acyl derivatives at least the two hydrogen atoms explicitly shown in the above formulation are replaced by the acyl radical of an organic acid which contains more than one salt-forming group from the group consisting of carboxyl and sulfonic groups, which acyl derivatives form alkali salts which are soluble in water with formation of solutions from which the insoluble parent azo-dyestuff can be precipitated by treatment with alkalies.

2,276,188
FUEL GAS BATTERY
Herbert Hans Greger, Washington, D. C.
Application October 9, 1939, Serial No. 298,685
16 Claims. (Cl. 136—86)

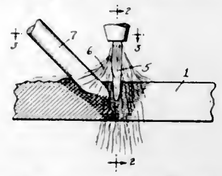


6. A battery of fuel cells comprising a plurality of odixizing electrodes and a plurality of reducing electrodes arranged in alternate layers, electrolyte-containing diaphragm material layers separating said electrodes, said electrodes being formed to provide separate sets of channels for the passage of an oxidizing gas through said battery in contact with said oxidizing electrodes and for the passage of a fuel gas through said battery in contact with said reducing electrodes, each set of gas channels extending across said battery from one side to the opposite side thereof and in a direction transverse to that of an adjacent set of gas channels, and separate means at adjacent sides of said battery of fuel cells for passing an oxidizing gas and for passing a fuel gas through the respective channels.

2,276,189
TREATMENT OF HYDROCARBONS
Aristid V. Grosse and Carl B. Linn, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 31, 1939, Serial No. 265,141
7 Claims. (Cl. 196—10)

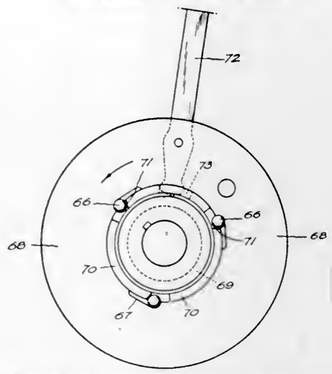
7. A process for producing hydrocarbons boiling in the gasoline range which comprises reacting a butane with acetylene in the presence of aluminum chloride and hydrogen chloride at a temperature in excess of 0° C. but not appreciably above 50° C. and under sufficient superatmospheric pressure to maintain a substantial portion of the butane in liquid phase.

2,276,190
METHOD OF WELDING WITH GAS
Anders Rudolf Gunnert, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application July 6, 1939, Serial No. 282,970
In Sweden July 14, 1938
1 Claim. (Cl. 113—112)



The method of joining metal members having opposed substantially parallel steep edge surfaces, by means of butt welding with a gas flame and filler rod, that includes the following steps: maintaining the flow of gas delivered to said flame at a pressure to provide said flame with an inner elongated cone into which the gas issues at a velocity within a range of which the lower limit is of the order of 130 meters per second; maintaining said edge surfaces in spaced apart relationship at a distance substantially equal to the width of said cone to form a welding channel between said edge surfaces and to provide work surfaces on each side of said channel; maintaining the tip of said cone just in front of said rod and at a level at least substantially one-third of depth of said channel, maintaining said cone substantially normal to the longitudinal path of said channel and to said work surfaces, and concurrently advancing said cone and said rod along said channel.

2,276,191
MEANS FOR ENSURING UNIDIRECTIONAL ROTATION OF SHAFTS
Alfred George Hackett, Harborne, Birmingham, and James Leslie Edwards, Selly Park, Birmingham, England
Application June 4, 1938, Serial No. 211,742
In Great Britain May 3, 1937
5 Claims. (Cl. 188—30)



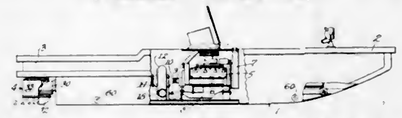
1. Means for normally ensuring uni-directional rotation of a shaft comprising a disc on the shaft, a stationary ring surrounding said disc, wedge-shaped recesses in the inner edge of said ring, floating wedges located in said recesses, spring-pressed plungers holding said wedges in

frictional contact with the disc, said wedges being rocked over by their frictional contact with the disc into an inoperative position in the normal direction of rotation of the disc and being rocked over in the other direction and forced against the ends of the recesses to lock the disc on any reverse rotation of the disc, and means for positively holding the wedges out of action when it is desired to reverse the rotation of the shaft.

2,276,192
HYDROGENATION OF FORMALDEHYDE
William E. Hanford and Richard S. Schreiber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1938, Serial No. 226,731
9 Claims. (Cl. 260—635)

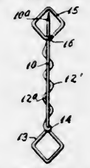
1. In the process of catalytically hydrogenating formaldehyde, the step of carrying out the hydrogenation at a pH in excess of six.

2,276,193
HYDRAULIC PROPULSION MECHANISM FOR BOATS AND OTHER WATER VEHICLES
Keenan Hanley, Prospect, Ohio
Application October 4, 1939, Serial No. 297,894
5 Claims. (Cl. 115—14)



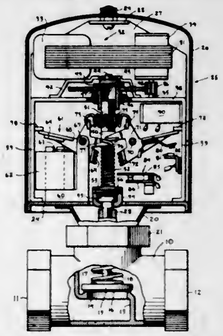
2. In a power operated boat having a hull and an internal combustion engine carried thereby, a centrifugal pump connected with said engine, a branched pipe line extending from the inlet of said pump to the exterior of said hull below the water line, valve means disposed in the branches of said pipe line, water cleaning screen means disposed between the valve means and the inlets to the branches, and means provided in connection with said branches for directing streams of water under pressure through said screen means in a reverse direction to effect cleaning thereof.

2,276,194
SELF-LOCKING SAFETY PIN
Leopold Hochreiner, New York, N. Y.
Application March 24, 1941, Serial No. 384,846
11 Claims. (Cl. 24—161)



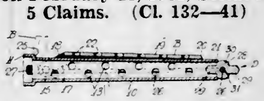
1. A safety pin, comprising a piercing portion having its front end offset downwards and pointed to facilitate its engagement through a piece of material, a body portion directly beneath said piercing portion, a loop portion continuing from the rear ends of said body and piercing portions and forming a handle which is in a plane substantially at right angles to a plane extending between said body and piercing portions, and a head portion continuing from the front end of said body portion and extending over said offset pointed end in a plane substantially identical with the plane of said handle and having a top socket for encasing and holding the top of said piercing point end, so that by grasping said handle and resting said head portion on said material and applying pressure downwards and moving said pin forwards one may force said piercing portion through said material and then may release all pressure to again permit said pointed end to reengage said socket portion.

2,276,195
MOTORIZED VALVE
Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 7, 1939, Serial No. 307,970
11 Claims. (Cl. 137—139)



1. In combination, a fluid flow controlling member, movable between first and second controlling positions, a threaded shaft rotatably connected to said member, electrical motor means for rotating said shaft, a nut secured to a fixed support and adapted to engage said shaft so that upon rotation of said shaft, the shaft is moved longitudinally to move said flow controlling member to said controlling position, electrically operated means for releasably maintaining said nut in engagement with said shaft, means for energizing both said motor means and said engagement maintaining means, and means automatically operable upon said member reaching said second position to terminate the energization of said motor.

2,276,196
CURLER
Julius Hommer, Union, N. J., assignor to Lapin Products, Inc., New York, N. Y., a corporation of New York
Application February 11, 1941, Serial No. 378,339
5 Claims. (Cl. 132—41)

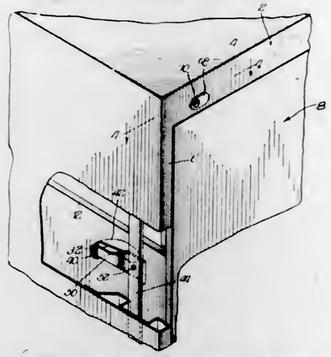


1. A thin shell molded plastic curler comprising a thin shell one piece molded shank, having a converging tapered portion and an enlarged collar with a transverse shoulder at the larger end of said tapered portion, and a thin shell one piece molded finger provided with a pivotal mount on said shank, the finger at said pivotal mount being clevised and bevelled so as to abut said shoulder when turned upwardly away from said shank, and means to latch a coil of hair upon said curler.

2,276,197
LOCKING MECHANISM FOR CABINET DRAWERS AND THE LIKE

Elmer R. Houston, Riverside, Ill., and Joseph F. Dachlet and Joseph Leo Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill., a corporation of Delaware

Application October 9, 1939, Serial No. 398,607
6 Claims. (Cl. 45—94)

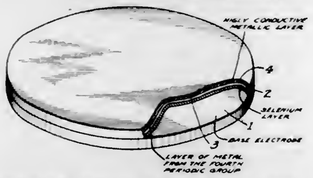


1. In a filing device, the combination of side walls, a file support operatively mounted between said side walls, said support having side walls and an expansible front, one of said side walls of said support having a slot, a locking lug carried by said front and operable in said slot, and locking means associated with the adjacent side wall of the device operable to engage said lug for locking said file support in its closed position.

2,276,198
PHOTOCELL

Zen-Ichi Kamayachi and Kenichi Ishii, Shibaku, Tokyo, Japan, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application September 12, 1939, Serial No. 294,510
In Japan October 5, 1938
1 Claim. (Cl. 136—89)



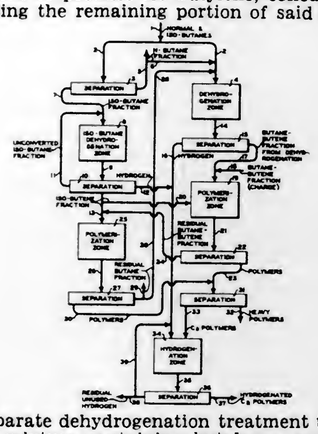
A photocell which comprises a base electrode plate, a coating of a selenium semi-conductor thereon, a thin film of at least one of the metals belonging only to the fourth group of the periodic table of elements on the exposed surface of said selenium semi-conductor coating, and a transparent film of a substantially chemically inert metal coated on the exposed surface of said thin film.

2,276,199
PRODUCTION OF ISO-OCTANE

Louis S. Kassel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Continuation of application Serial No. 314,484, January 18, 1940. This application November 22, 1940, Serial No. 366,734
11 Claims. (Cl. 196—10)

7. In a process for converting a charging stock comprising essentially normal and iso-butanes into high antiknock motor blending fuel comprising iso-octane, wherein said stock is subjected to dehydrogenation treatment to convert butanes to butylenes, which are then polymerized to liquid polymer, which is in turn hydrogenated to produce substantially saturated motor blending fuel, the improvement which comprises separating at least a part of the iso-butane from the charge, subjecting it to dehydrogenation treatment to produce iso-butylene, concurrently subjecting the remaining portion of said charge

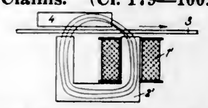


to a separate dehydrogenation treatment to produce a mixture containing butylenes, enriching said mixture with a portion of said iso-butylene, subjecting same to polymerization treatment to produce liquid polymer, combining the unconverted butylenes from the polymerization treatment with the remainder of said iso-butylene, subjecting the mixture to a second polymerization treatment, recovering the liquid polymers from both of the polymerization steps, and hydrogenating them with the hydrogen produced in the aforesaid dehydrogenation steps.

2,276,200
SOUND RECORDING DEVICE

Heinz Kauffmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application August 9, 1939, Serial No. 289,199
In Germany August 11, 1938
4 Claims. (Cl. 179—100.2)



1. In a sound recording machine using an elongated magnetic tape recording medium, a magnet comprising a yoke, a pair of polepieces projecting from said yoke at substantially right angles thereto, said polepieces having their poles aligned with the length of said tape, an energizing coil on at least one of the said polepieces, and a bar of magnetic material arranged on the opposite side of said medium from said polepieces, said bar substantially overlying one of said polepieces and extending in proximity to but not overlying the other of said polepieces.

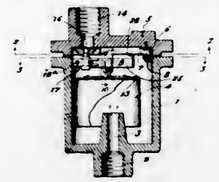
2,276,201
STEAM TRAP

James W. Kaye, West Orange, N. J., assignor to Kaye & MacDonald, Inc., West Orange, N. J., a corporation of New Jersey

Application August 30, 1940, Serial No. 354,886
5 Claims. (Cl. 137—103)

1. In a trap of the character described the

combination with a float chamber having an outlet valve seat, of a valve adapted to seat on said valve seat, a valve lever carrying the valve and pivoted adjacent the seat, said valve lever having a free outer end, a float in the chamber, a float lever pivoted beyond the free end of the valve lever and adapted to contact the free end



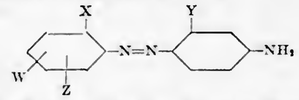
of the valve lever for forcing the valve lever to a position to open the valve as said float moves to a lowered position, said valve lever being substantially U-shaped, and said float lever extending through the U-shaped valve lever, the free end of the valve lever extending under the float lever and contacting the float lever near its pivot when the valve is in a closed position.

2,276,202
STILBENE DYESTUFFS AND THEIR MANUFACTURE

Ernst Keller, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a firm

No Drawing. Application September 5, 1939, Serial No. 293,483. In Switzerland September 13, 1938
12 Claims. (Cl. 260—143)

7. The new stilbene dyestuffs from the condensation with dinitrostilbene disulphonic acid of an aminoazobenzene dyestuff



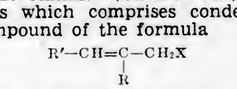
wherein X represents one member of the group consisting of hydroxyl, alkoxy, carboxyl and halogen, Y represents one member of the group consisting of hydroxyl, alkoxy and, not when X does, halogen, Z represents one member of the group consisting of SO_3H and COOH, and W represents one member of the group consisting of H, NO_2 and Cl.

2,276,203
CONDENSATION OF ALLYL HALIDES AND SUBSTITUTED ALLYL HALIDES

Morris Selig Kharasch, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

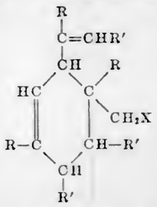
No Drawing. Application August 29, 1939, Serial No. 292,500
10 Claims. (Cl. 260—648)

1. Process which comprises condensing with itself a compound of the formula



wherein X is halogen, R is a radical of the group consisting of hydrogen, halogen, and alkyl, and R' is a radical selected from the group consisting of hydrogen, alkyl, halogen substituted alkyl, aryl, and carboxy ester, and wherein both R and R' contain less than 13 carbon atoms, by reacting it with an amide of the class of alkali metal and alkaline earth metal amides in the presence of liquid ammonia.

9. A compound of the formula



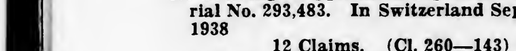
wherein X is halogen, R is a radical of the group consisting of hydrogen, halogen, and alkyl, R' is a radical of the group consisting of hydrogen, alkyl, halogen substituted alkyl, aryl, and carboxy ester, and wherein both R and R' contain less than 13 carbon atoms.

2,276,204
CHEMICAL LIGHT FILTER

Lowell B. Kilgore, Washington, D. C., assignor to Kilgore Development Corporation, Washington, D. C., a corporation of Virginia

No Drawing. Application January 2, 1940, Serial No. 312,149
17 Claims. (Cl. 88—114)

2. Light filtering composition capable of being applied as an intervening film between a light source and a surface to be protected, comprising an ester having the formula:



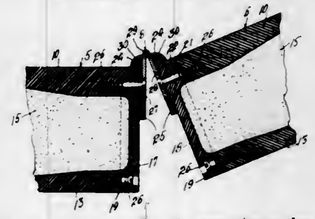
wherein R_1 may be a phenyl or substituted phenyl group, R_2 may be an alkyl group or hydrogen and R_3 may be an organic radical capable of forming an ester with the carboxyl group, distributed in a film forming binder.

11. As a new composition of matter benzalacetone oxalate, butyl ester.

2,276,205
COVER FOR COOLER CABINETS

Harold D. King, Medina, Ohio, assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York

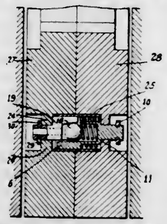
Application April 29, 1940, Serial No. 332,259
4 Claims. (Cl. 220—24)



4. In a cooler cabinet structure having two covers hinged together at their inner ends, each cover comprising a top wall, an outer end wall, side walls, and a bottom wall molded integrally from a plastic material to constitute an open-ended pocket having its mouth at the inner hinge-carrying end of the cover for receiving an insulating material, the free inner ends of the top wall, the side walls and the bottom wall surrounding the mouth of the pocket being recessed, a detachable wall the edges of one surface of which are provided with beads adapted to fit into

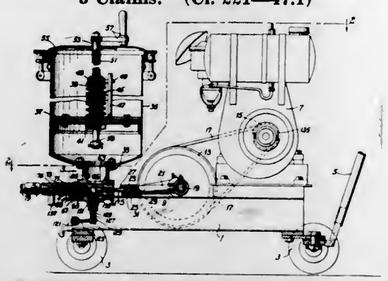
the recesses to close the pocket, means for securing the detachable wall to the recessed free inner ends of the top wall, the side walls and the bottom wall, and means covering the joint between the outer surface of the upper end of the detachable wall and inner end of the top wall of the cover to prevent ingress of moisture into the interior of the cover.

2,276,206
AUTOMATICALLY ACTING ADJUSTING DEVICE FOR FRICTION BRAKES
Hermann Klaue, Berlin-Frohnau, Germany
Application November 13, 1939, Serial No. 304,260
In Germany June 22, 1939
6 Claims. (Cl. 188—79.5)



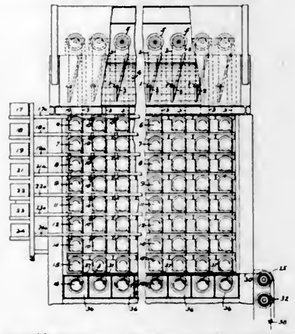
1. An automatically acting adjusting device for friction brakes which includes a movable brake-pressure applying member and wherein a uniform play between the brake surfaces is constantly maintained, said device comprising a bolt member, a sleeve member secured to said movable member, a slide movably arranged between said bolt member and sleeve member, said sleeve member at least partially encompassing said slide and bolt member, stops on said slide, and means connected to said movable member and arranged intermediate said stops, the arrangement being such that upon applying the brakes said slide is pressed into a position depending upon the wear of the brake surfaces by the pressure of the means connected to said movable member against one of said stops, and clamping means cooperating with said bolt member for maintaining said slide in said position.

2,276,207
PUMP
Victor G. Klein, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application September 30, 1939, Serial No. 297,226
3 Claims. (Cl. 221—47.1)



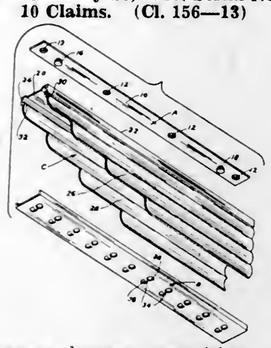
1. Lubricating apparatus comprising a reciprocating pump, continuous driving means for said pump, said pump having an inlet and an outlet, a normally open valve at the inlet, stop means for definitely determining the closed position of the valve, a linkage responsive to pressure in the outlet to close said valve, spring means normally biasing the linkage to open position of said valve against said pressure, and substantially resilient means in said linkage forming a force-transmitting member therein and operative after said valve has substantially closed to be compressed to permit some linkage operation after movement of the valve against said stop means.

2,276,208
METHOD OF MANUFACTURING HAIRY YARN
Hayden B. Kline, Cleveland, Ohio
Application May 25, 1937, Serial No. 144,581
13 Claims. (Cl. 18—54)



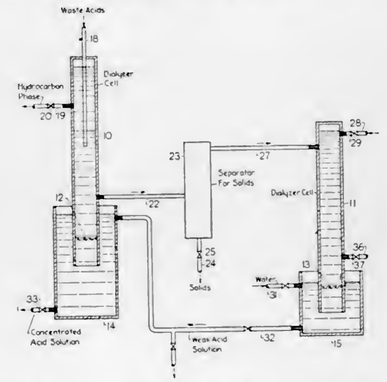
1. A continuous process of manufacturing hairy yarn including the steps of forming a multiple filament thread by a wet-spinning method; continuously but temporarily storing the thread in one or more advancing helices characterized by a large number of generally helical turns, meanwhile processing the thread; and, while still wet, drafting the processed thread to the point of breakage between two drafting elements spaced sufficiently close together to produce fibers of relatively short lengths, the drafting operation being performed without interrupting the continuity of the thread as a whole.

2,276,209
DRAPERY HANGER
Herman Kruse, Philadelphia, Pa., assignor to Lehigh Engineering Company, Philadelphia, Pa., a partnership consisting of Herman Kruse, Martin Marks, Sidney Marks, and Robert Entenmann
Application January 26, 1940, Serial No. 315,641
10 Claims. (Cl. 156—13)



3. A drapery hanger comprising a support adapted to be detachably secured to a lintel or soffit, a drapery support adapted to be attached to the above-mentioned member, hook support slidably mounted upon said drapery support, and an artistic outside cover member suspended from said drapery support.

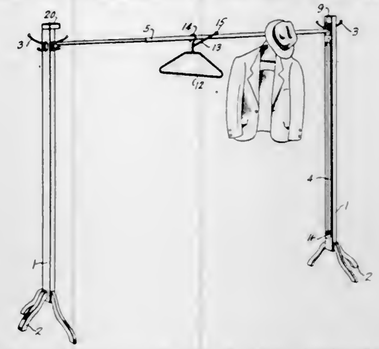
2,276,210
ACID PURIFICATION AND RECOVERY PROCESS
Carl D. Lane, Torrance, and Charles H. Duffy, Long Beach, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 12, 1940, Serial No. 313,500
3 Claims. (Cl. 210—62)



1. A continuous process for the purification of a strong polybasic inorganic acid solution from small percentages of carbonaceous non-filterable impurities present therein, which comprises continuously conveying said contaminated acid through a dialyzing unit provided with a semi-permeable membrane substantially inert to the action of the acid, continuously passing an uncontaminated acidic solution of a concentration less than that of the acid to be purified on the other side of said membrane, thereby causing the acid to be diffused into said pure solution and water to be diffused in the opposite direction and effecting a dilution of the acid to be purified and the conversion of a part of the impurities into a filterable state, continuously withdrawing the undialyzed acid solution containing the filterable impurities from the dialyzing unit, separating the filterable impurities, and conveying the thus partially purified acid solution into a second dialyzing unit wherein said acid is dialyzed through a semi-permeable membrane into water.

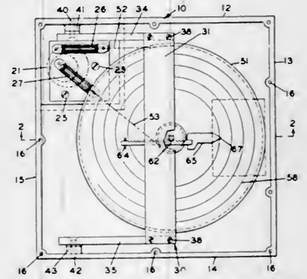
2,276,211
EXTENSIBLE COSTUMER
John M. Lane, Dayton, Ohio
Application June 15, 1939, Serial No. 279,340
3 Claims. (Cl. 211—178)

1. An extensible garment rack, comprising a costumer separable into two self-supporting halves, the adjacent faces of which are longitudinally grooved, a telescopic hanger rail, comprising plural slidingly adjustable sections engageable within the registering grooves, a recessed bracket on one-half costumer projecting within a recess in the other half costumer, the recess in which affords a socket to receive and support the lower end of the hanger rail, headed terminals on the hanger rail, anchor plates secured to the contiguous inner faces of the half costumers having keyhole slots therein within which the headed terminals of the hanger rod are detachably engageable, the thickness of the anchor plates contiguous to the margins of the keyhole slot being tapered to enable a wedging



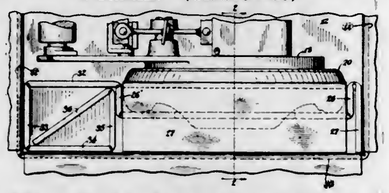
engagement between the headed terminals of the hanger rail and anchor plates, hanger brackets on at least one of the costumer halves overlapping the other costumer half when said halves are assembled to locate said halves in registry with each other.

2,276,212
GAUGING APPARATUS
Charles A. Lang, Minneapolis, Minn., assignor to Langage, Inc., Minneapolis, Minn., a corporation of Minnesota
Original application April 25, 1938, Serial No. 204,073. Divided and this application August 23, 1940, Serial No. 353,877
8 Claims. (Cl. 116—118)



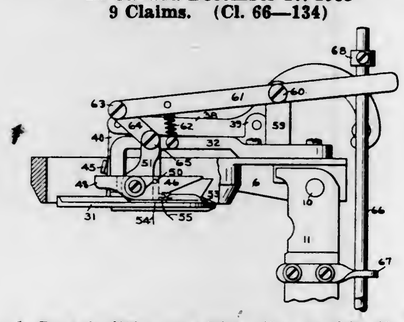
1. A gauging instrument for use in a gauging system having a displacement member and a flexible operating member attached thereto, said flexible operating member being extended or retracted by said displacement member in accordance with the condition being gauged, comprising a housing, a frame mounted in said housing for swinging movement from a position within the housing to a position extending out of the housing, a winding drum having indicia thereon pivotally mounted on said frame, a pointer in the housing cooperating with said indicia, and a pulley pivotally mounted in the housing for conducting said flexible operating member to said winding drum for attachment thereto, said system including means for causing said winding drum to rotate in a direction to wind said flexible operating member on the drum.

2,276,213
SHIPPING MEANS FOR LAWN MOWERS
Dan S. Langell, Indianapolis, Ind., assignor to Indianapolis Wire Bound Box Company, Indianapolis, Ind., a corporation of Indiana
Application October 14, 1940, Serial No. 361,025
4 Claims. (Cl. 206—46)



1. Means for bracing a lawn mower in a container comprising a cruciform blank having a perforation centrally of the cross and sized to permit free projection of a lawn mower wheel hub therethrough when portions of the blank adjacent the perforation contact the outer face of the wheel tire, with the arms of said cruciform blank each bent in one direction to overlie and engage the periphery of the mower wheel and then reversely bent to overlie said first portions and to project beyond the main body of the blank beyond the axial extent of the traction wheel of the mower, and the longer arm of the blank folded by successive folds in the same direction to form a diagonally braced substantially rectangular chocking element.

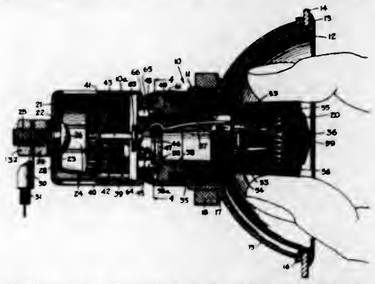
2,276,214
YARN BINDER FOR KNITTING MACHINES
Robert H. Lawson, Pawtucket, and Isaac H. C. Green, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application September 15, 1936, Serial No. 100,908
In Canada December 17, 1935
9 Claims. (Cl. 66—134)



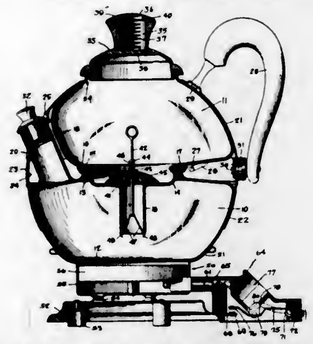
1. In a knitting machine, the combination of knitting instrumentalities and means for feeding a plurality of yarns to the instrumentalities, a yarn binder for some of said yarns and another yarn binder for others of said yarns, each binder functioning independently to bind its own yarn or yarns, the binders being so constructed that one binds its yarn against a fixed element and the other binds its yarn against a portion of the first.

2,276,215
CIGAR LIGHTER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 14, 1938, Serial No. 245,581
16 Claims. (Cl. 219—32)

1. In a cigar lighter, a holding device adapted to be mounted on a support so as to be substantially flush with the front face thereof and having a tubular body and an enlarged mouth; and an igniting unit removably mounted in the holding device and having a handle provided with exterior lateral gripping surfaces disposed in the enlarged mouth so as not to project from the front face of the support.

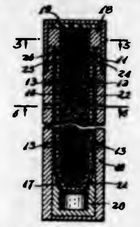


2,276,216
COFFEE MAKER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application September 7, 1940, Serial No. 355,785
13 Claims. (Cl. 219—43)



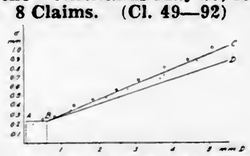
1. In combination with a vacuum type coffee maker comprising a lower vessel and an upper vessel superposed on the lower vessel and having a tube extending into the lower vessel; a spout on said lower vessel for pouring coffee therefrom; means for closing said spout to permit the water when heated in the lower vessel to be forced up in the upper vessel to infuse with coffee therein and permit the brewed coffee to be drawn back down in the lower vessel upon cooling of the latter; means for heating the water in said lower vessel comprising a main heating resistance element and an auxiliary resistance element associated therewith; means for alternately connecting said main heating resistance directly to a source of current or in series circuit with said auxiliary resistance element, said means comprising a plug detachably connected to said heating means and having a shunt circuit for shunting the auxiliary resistance element from the main heating element; and means carried by said plug for storing said spout-closing means, the storage of said spout-closing means in the last-named means energizing said shunt circuit and the removal to close said spout opening said shunt circuit to connect said resistance element in series circuit with said main heating element to lower the temperature thereof.

2,276,217
MEANS FOR PREVENTING CIGARETTES FROM DRYING OUT
Donhee P. Lee, Larchmont, N. Y.
Application November 13, 1940, Serial No. 365,405
4 Claims. (Cl. 299—24)



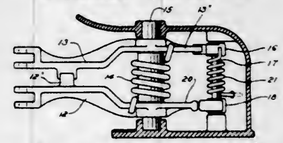
1. In a device of the class described, a cylindrically shaped container having a removable top cap and adapted to be engaged in a cigarette package or case, a cylindrically shaped shell slidably engaged partially into said container and containing water absorbing material, said shell and container being formed with aligned openings through which moisture from said material is adapted to pass for humidifying cigarettes, a cup mounted within the bottom of said container acting as a reservoir for water for moistening said material and having a tapered top opening, and a tapered bottom end formed on the bottom of said shell and engaged into the tapered opening of said cup to prevent water from spilling out of said cup, said tapered bottom end of said shell being formed with openings normally closed when said tapered bottom end is engaged into the top opening of said cup, whereby when said material becomes dry said shell may be pulled outwards to disengage its tapered bottom end from the top of said cup to permit said container to be inverted to cause water from said cup to pass through the openings in said tapered bottom end into said shell to remoisten said material.

2,276,218
WIRE SEAL, PARTICULARLY FOR USE IN INCANDESCENT LAMPS AND DISCHARGE TUBES
Hendricus Johannes Lemmens, Eindhoven, Netherlands, assignor to General Electric Company
Application June 15, 1940, Serial No. 340,829
In the Netherlands May 27, 1939
8 Claims. (Cl. 49—92)



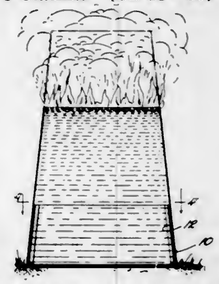
1. A gas-tight, electrically conducting seal comprising a metal wire and a layer of quartz fused to said wire, said wire having a melting point higher than 2000° C. and a diameter of at least 0.05 mm., the thickness of the quartz layer and the diameter of the wire being in such relation that the layer is not more than 0.24 mm. thick when the diameter of the wire is less than 0.6 mm. and not more than $0.24+(D-0.6)$ 0.16 mm. thick when the diameter of the wire is greater than 0.6 mm. where D is the diameter of the wire.

2,276,219
INTERLOCKED SWITCH
George N. Lemmon, Homewood, Ala., assignor to Southern States Equipment Corporation, Birmingham, Ala.
Application March 10, 1939, Serial No. 260,951
5 Claims. (Cl. 200—5)



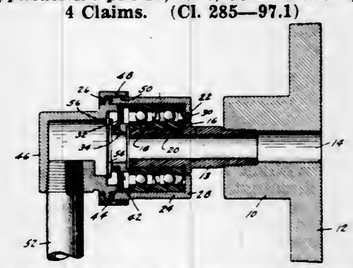
1. In combination, two separate line switches, together with a separate mechanical unit interconnecting the said switches, the said unit including a base supporting two swing arms each with a pivot connection at its swing end, a connecting member between each of the said pivot connections and one of the said switches, means to bias one of said swing arms and its respective switch towards a certain position, holding means to retain the said swing arm away from the position towards which it is biased, and releasing means operable by motion of the said other swing arm to release the said holding means.

2,276,220
PAPER CONTAINER FOR SMUDGE OIL
Wilfred D. Le Veille, Sr., Dade City, Fla.
Application August 14, 1940, Serial No. 352,621
6 Claims. (Cl. 44—40)



1. A fuel package comprising a "kraft-type" paper container and a quantity of relatively heavy oil contained therein, said paper being more readily combustible than the oil yet having the property of retaining and burning down with the oil as the latter is consumed.

2,276,221
BEARING SEAL
Charles D. Magnesen, Chicago, Ill.
Application April 17, 1940, Serial No. 330,190
4 Claims. (Cl. 285—97.1)



1. Apparatus of the class described comprising a rotatable hollow shaft, a bearing therefor, said bearing mounted on one end of said shaft,

a housing member having an axial opening, the shaft positioned in said housing with one end projecting from said opening, a spacer in said housing adjacent said bearing, a casing having an inlet chamber connected to said housing and a flexible sealing member fastened between a wall of said casing and the spacer in said housing, said sealing member having a nose portion and an opening aligned with said shaft opening, said nose portion having an annular ridge adapted to bear against said shaft bearing encircling the opening in said shaft, spring means in said inlet housing for holding said nose against said bearing, and an annular backing plate for said flexible sealing member spaced therefrom.

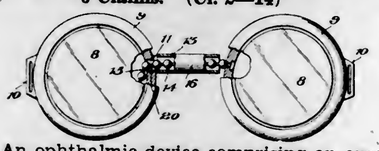
2,276,222

OPHTHALMIC DEVICE

Robert Malcom, Chicago, Ill.

Application March 17, 1941, Serial No. 383,835

6 Claims. (Cl. 2—14)



1. An ophthalmic device comprising an eyecup having a side wall containing a transverse passage extending therethrough and a bore intersecting said passage and extending therefrom to the front edge of said eyecup, a bridge member longitudinally movable in said passage, a detent in said bore shiftable to and from lock engagement with said bridge member, a lens on the front edge of said eyecup disposed over the outer end of said detent, and a loosenable retaining member normally tight in said eyecup holding said lens in place and said detent locked with said bridge member, the latter being attachable to another eyecup.

2,276,223

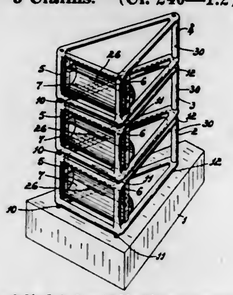
SEARCHLIGHT INSTALLATION

Theodorus Josephus Jacobus Alphonsus Manders, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 1, 1940, Serial No. 332,820

In the Netherlands April 21, 1939

3 Claims. (Cl. 240—1.2)



1. A searchlight installation comprising a plurality of illuminating units piled one upon the other in a column, each unit comprising a linear light source having its longitudinal axis extending substantially perpendicular to the axis of the column, a frame, optical means for directing the light into a beam, and a plurality of adjusting supports bearing upon the frame of the adjacent unit.

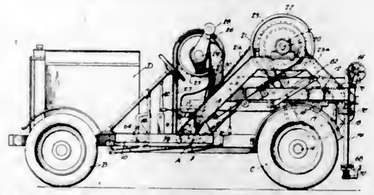
2,276,224

WELL SERVICING AND DRILLING MACHINE

Harland W. Cardwell, Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans.

Application February 24, 1939, Serial No. 258,338

4 Claims. (Cl. 255—7)



1. A combined truck and well drilling and servicing unit comprising, a chassis, rear drive wheels and axle supporting said chassis, well drilling and servicing tool operating means mounted upon said chassis, and control means for said operating means operable from the ground adjacent the chassis and vertically adjustable with respect to the ground.

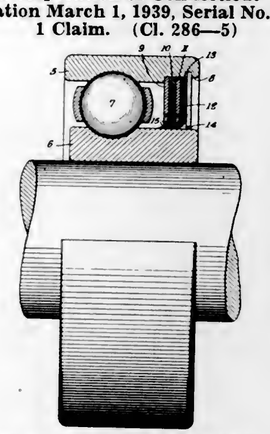
2,276,225

BEARING SEAL

Edgar R. Carter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application March 1, 1939, Serial No. 259,181

1 Claim. (Cl. 286—5)



Seal means for the space between two relatively rotatable spaced apart inner and outer members, the outer of said members having a counterbore extending in from one end, an annular backing plate in said counterbore and seated on the bottom thereof, said plate being of an outer diameter to be snugly received in said counterbore without radial distortion, said outer ring having a circumferentially extending groove in the bore of said counterbore and adjacent the outer end thereof, a split resilient annular closure plate sprung into said groove and held thereby against outward axial displacement, the radially inner edge of said closure plate lying in sealing proximity to the outer surface of said inner member, at least one annular seal disk of oil-resistant rubber-like material in said counterbore and held flatwise between said closure and backing plates, said seal disk being of a radial width greater than the distance from said counterbore to the outer surface of said inner ring,

the inner edge of said seal disk being distorted sidewise into sealing engagement with the outer surface of said inner member, the inner edge of said backing plate being substantially spaced from said inner member so as to permit substantial sidewise distortion of the inner edge of said seal disk.

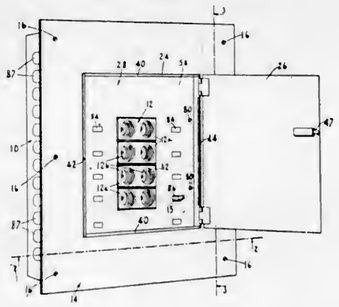
2,276,226

ELECTRIC PANEL

Louis W. Cole, New York, N. Y., and Christopher I. Smith, Newark, N. J., assignors to Cole Electric Products Co. Inc., Long Island City, N. Y., a corporation of New York

Application January 9, 1940, Serial No. 313,072

14 Claims. (Cl. 175—308)



1. A panel for electric equipment, comprising a housing adapted to be mounted in a recess in a building wall, a frame mounted in said housing and carrying a fuse base or the like, said frame having side members spaced laterally from said fuse base, a shield removably secured to said side members and having an opening for providing access to said base, a trim member separate from said shield positioned at the front of said housing over said shield, said trim extending outwardly beyond the side walls of said housing for overlapping the outer surface of said wall around said recess, and means separate from said shield for securing said trim member in said position and for engagement of said outwardly extending portions thereof with the outer surface of the building wall around said recess.

2,276,227

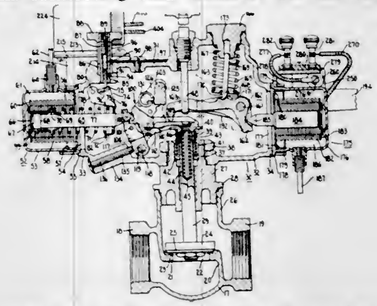
CONTROL DEVICE

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Original application June 3, 1936, Serial No. 83,232. now Patent No. 2,185,978, dated January 2, 1940. Divided and this application August 5, 1937, Serial No. 157,585

19 Claims. (Cl. 137—139)

1. In a control device having a movable controlling means, mechanism for actuating the controlling means comprising a movable member operable to move the controlling means, stop means for limiting movement of said movable member in one direction to limit movement thereby of the controlling means in said one direction, a second movable member operable to move said controlling means in said one direction after limiting of movement of said first-named member by said stop means, said movable members having a lost-motion connection therebetween limiting relative movement of said members, and yieldable means connecting said members for movement



in unison and acting to move said members in opposite directions relative to each other.

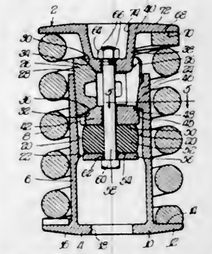
2,276,228

SNUBBER

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application February 17, 1940, Serial No. 319,401

18 Claims. (Cl. 267—9)



1. In a friction absorbing device, end followers, a compression spring seated therebetween, one of said followers having a friction barrel extending within said spring and presenting internal tapering faces, friction means associated with the other of said followers and projecting within said friction barrel, said means comprising wedge faces on said last-mentioned follower, a wedge member spaced therefrom, a resilient member supported from said last-mentioned follower and affording a seat for said wedge member, a plurality of shoes extending between said top follower and said wedge member and frictionally engaging said wedge member, said wedge faces, and said tapering faces, and means on said bottom follower cooperating with slots on said shoes to retain said shoes in spaced relationship.

2,276,229

PROCESS AND APPARATUS FOR EXOTHERMIC CATALYTIC REACTIONS

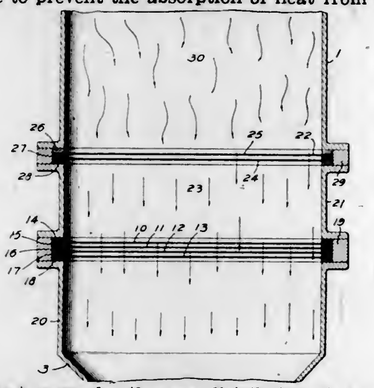
James K. Dixon, Bound Brook, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 8, 1939, Serial No. 293,947

4 Claims. (Cl. 23—162)

4. A method of oxidizing ammonia to nitric oxide which comprises passing a preheated ammonia-air mixture through a gas distributing gauze composed wholly of an inherently non-catalytic material whereby a straight line gas flow substantially devoid of turbulence is obtained and then passing the gas mixture through the

catalyst gauze, the space between the catalyst and the gas distributing gauze being sufficiently large to prevent the absorption of heat from the



catalyst gauze by the gas distributor at a rate greater than the rate of heat discharge of the gas distributing gauze into the incoming gas stream at temperatures below red heat.

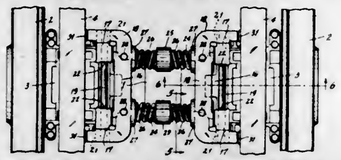
2,276,230

RESISTANCE DEVICE

Clifford L. Eastburg, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application September 7, 1940, Serial No. 355,762

8 Claims. (Cl. 105—80)



1. The combination in a railway vehicle having side frame member of journal boxes having guide lugs extending upwardly from the tops thereof and seats extending from the upper portion of the inner ends thereof, said journal boxes being mounted for limited lateral movement from their normal position relative to the side frame members, a lateral motion resisting device comprising U-shaped thrust yokes having a central portion and arm portions extending therefrom, said yokes seating on said seats and the arms thereof being adjacent to said guide lugs, the ends of said arms being adjacent to said side frame members, said arms having slots therethrough and said lugs having openings therethrough, a shaft extending through said openings and said slots, the central portion of said yokes having openings therein, said openings receiving the ends of shafts connecting said U-shaped yokes, the end portions of said shafts having slots therethrough, bolts extending through said yokes and said slots, said shafts having sleeves mounted thereon, and springs mounted on said shafts, the ends of which abut against said sleeves and against said yokes, the ends of one of said yokes being adapted to contact the adjacent side frame member and compress said springs when said axle and journal boxes move laterally in that direction and said opposite yoke being adapted to contact the adjacent journal box to force said axle and said journal boxes back into their normal position in respect to said side frame members.

2,276,231

ALKYLOL CYANAMIDE-POLYCARBOXYLIC ACID CONDENSATION PRODUCT

Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 8, 1940, Serial No. 360,293

13 Claims. (Cl. 260—78)

1. A composition of matter comprising the condensation product of a member of the group consisting of polycarboxylic acids and their anhydrides with a member of the group consisting of alkylol cyanamides and their polymers.

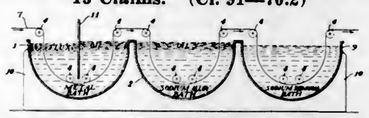
2,276,232

METAL COATING PROCESS

Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 6, 1939, Serial No. 283,038

13 Claims. (Cl. 91—70.2)



1. The process for coating a metal base with an alloy of sodium and a fusible metal which has a melting point lower than that of said base which comprises first providing a metal base having a coating of said fusible metal, providing a homogeneous molten bath of an alloy of sodium and said fusible metal existing as a single liquid phase out of contact with any other liquid metal bath and having its upper surface covered with a fluid material substantially chemically inert to sodium, immersing the said coated metal base downwardly into the said alloy bath until a fused sodium alloy coating is formed on said base and then removing said base upwardly out of said alloy bath and through said fluid material covering the alloy bath.

2,276,233

DEODORIZATION AND REFINING OF TUNG OIL

Louis A. Gruenwald and Malcolm John Reider, New York, N. Y.; said Reider assignor to said Gruenwald

No Drawing. Application March 11, 1940, Serial No. 323,400

5 Claims. (Cl. 260—420)

1. A process of deodorizing tung oil which comprises heating the tung oil first with a small quantity of an aqueous solution of a sodium sulphite dispersed throughout the body thereof and then with a small quantity of an aqueous solution of lead acetate.

5. A process of deodorizing tung oil which comprises emulsifying into the oil about 20% by weight of a 3% solution of lead acetate, heating the mixture with rapid stirring to 110° C., diluting with heavy naphtha as a thinner and then filtering with the aid of vacuum and infusorial earth.

2,276,234

METHOD OF TREATING SEED

Franklin D. Jones, Upper Darby, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application January 31, 1938, Serial No. 187,933

2 Claims. (Cl. 47—58)

1. A method of treating seed before planting for the eradication of fungus and the improvement of germination, which consists in treating the seed with a fungicidal composition containing as the essential ingredient thereof one part of a substance selected from the group consisting of phenyl, naphthyl, and indole acetic, propionic and butyric acids, their lower alkyl esters and alkali metal salts, in from 50,000 to 100,000 parts of the composition.

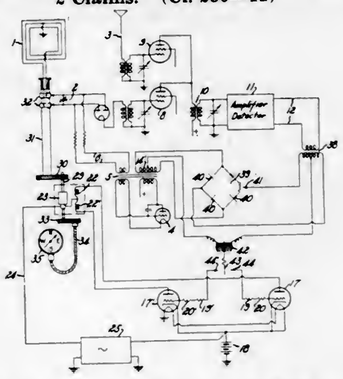
2,276,235

RADIO COMPASS

Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application October 23, 1939, Serial No. 300,854

2 Claims. (Cl. 250—11)



1. In a radio compass, an angularly movable directional antenna, a motor with a pair of reversing field windings for rotating said antenna, a radio receiver operating out of said antenna and having an instrument relay in an output circuit thereof, said relay including a moving contact displaceable in opposite directions from its electrical zero to engage one or the other of two relatively fixed contacts in accordance with the direction of displacement of said directional antenna from a selected on-course position, said contacts being flexible vibratory members, whereby the integrated time of closure of the movable contact upon a relatively fixed contact varies progressively with the magnitude of the displacement of the directional antenna from a selected on-course position, a pair of grid glow tubes each having one of said motor windings in the output circuit thereof, and circuit means including said movable contact of said relay and the respective relatively fixed contacts for controlling conduction through the respective tubes to regulate the direction and the speed of operation of said motor.

2,276,236

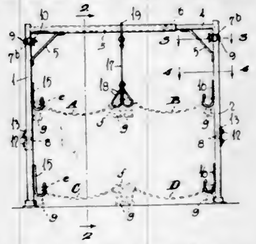
STRETCHER SUPPORTING FRAME

George W. Latimer, Baltimore, Md., assignor to Foster Bros. Mfg. Company, Inc., Baltimore, Md., a corporation of Maryland

Application April 5, 1941, Serial No. 387,083

3 Claims. (Cl. 5—207)

2. A portable, knock-down stretcher support comprising a pair of vertical end frames each formed of a pair of separable inverted L-shaped members, the arms of the L-shaped members being horizontal and constructed to telescopically interengage for rigidly securing said members together, means carried by said end frames for supporting a plurality of stretchers, said means including a hook carried by each post of each end frame and a pair of loops suspended from the horizontal portion of each end frame, and a pair of vertically spaced, parallel, horizontal side rails connecting said end frames at each side,



said side rails constituting the sole connection between said end frames and being readily detachable therefrom, whereby the entire structure may be separated, for purposes of compact storage, into four similar L-shaped members and four side rails.

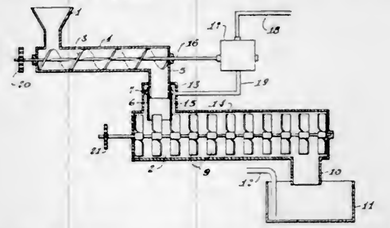
2,276,237

APPARATUS FOR MIXING CEMENT

Ronald P. Lowry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application March 21, 1941, Serial No. 384,457

5 Claims. (Cl. 259—151)



1. In a cement mixer the combination of a mixing chamber having an inlet and an outlet, agitating means arranged within the mixing chamber, a conduit for cement powder having the lower end thereof formed of flexible material communicating with the mixing chamber, means arranged to flex the lower end of the flexible conduit, and means to deliver water to the mixing chamber.

2,276,238

KICKER FOR THE DUCKBILLS OF COAL LOADERS

John MacPherson, Erie, Colo., assignor of fifty per cent to Edward Lasnik, Erie, Colo.

Application January 17, 1941, Serial No. 374,900

6 Claims. (Cl. 198—14)



1. A device for swinging the forward extremity of a reciprocating duckbill on a coal loading machine comprising: a bracket member secured to the side of the duckbill; a leg member; a uni-

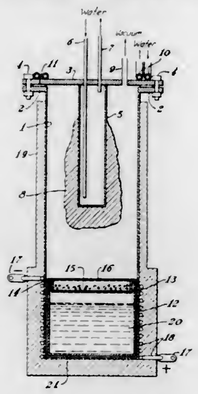
versal joint securing said leg member to said bracket member so that it may swing forward, back, and sideward therefrom, said leg member being of sufficient length to engage the floor below the duckbill; and a pull rod hinged to said leg member for lifting said leg out of engagement with the floor.

2,276,239

METHOD OF TREATING MAGNESIUM

Charles E. Nelson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 26, 1940, Serial No. 371,649
4 Claims. (Cl. 75—67)



1. The method of producing substantially pure magnesium comprising heating impure magnesium under reduced pressure so as to vaporize the magnesium, and passing the magnesium vapor through a filter bed comprising a complex silicate capable of liberating an alkali metal in the form of a vapor upon contact with magnesium vapor, prior to condensing the magnesium so vaporized.

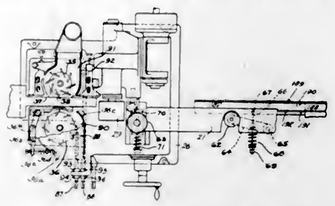
2,276,240

MECHANISM FOR MATCHING AND JOINTING LUMBER FROM STOCK OF NONUNIFORM DIMENSION

Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington

Application December 21, 1936, Serial No. 116,964
2 Claims. (Cl. 144—36)

1. A planing mechanism for sizing and finishing a plurality of pieces of rough lumber stock of varying individual dimension, as width, and traveling at a relatively high rate of speed in abutting end to end relation, comprising guide means adjacent which traveling stock may be urged, as laterally with one surface or edge in edge abutting relation to said guide means; presizing hogger head means located in adjustable spaced relation to said guide means and engaging the surface opposite said one surface, as an edge of said stock, and removing from said opposite surface of the stock all excess of stock from successive pieces of stock over a common preliminary predetermined dimension, as width, determined by said adjustable spaced relation between said presizing hogger head means and said guide means, said preliminary predetermined dimension exceeding a final predetermined dimension by a reserve sufficient to include therein hogging imparted defects, whereby said opposite surface of the stock comprises surfaces of successive pieces of stock which are substantially in a common plane and the planing defects from hogging are included within a predetermined reserve on said opposite surface; feeding and holding means positioned beyond said presizing hogger head means in the path of travel of the stock and operating simultaneously with said presizing hogger head means upon different portions of the stock, said means advancing the lumber at a relatively high rate of speed in end to end relation and also absorbing and preventing from traveling there-past of the substantial vibrations produced in the stock by reason of the operation of said presizing hogger head means; lumber stock movable presser means urging stock, as laterally with said one surface of the stock in edge abutting relation to said guide means; and a sizer type final finishing cutter head, as an edge cutter or jointer, operating in adjustable spaced relation to said



guide means and recutting or finishing the said opposite surface, and removing therefrom all excess of stock from successive pieces of stock over a common final predetermined dimension, as width, which dimension is less than said preliminary predetermined dimension by an amount including said reserve, said final finishing cutter head being positioned at a location to engage portions of the stock simultaneously with the engagement of other portions of the stock by the presizing hogger head means and the said feeding and holding means, whereby the final dressing or finishing of said opposite surface of the stock is accomplished in the absence of substantial vibrations, the said opposite surface, contacted by said presser means, comprises successive surfaces lying in a common plane and the stock is continuously supported due to the elimination of violent dislodgement of the presser means, and whereby the reserve, including therein the hogging-imparted defects, is removed providing a substantially perfect surface on said opposite surface.

2,276,241

MEDICINAL PREPARATION

Elbert M. Shelton, New Haven, Conn., assignor to The Tannin Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 1, 1939, Serial No. 282,480
10 Claims. (Cl. 167—58)

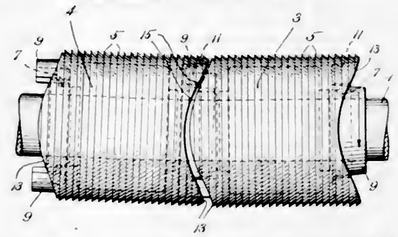
2. An aqueous medical preparation comprising a tannin extract of the catechol group and boric acid as an acidifying agent in an amount sufficient to impart to the preparation a pH materially lower than the pH of the natural aqueous solution of the catechol tannin, whereby the preparation is stable and does not precipitate over relatively long periods, the tannin content of the preparation being above 2 percent and below about 10 percent.

2,276,242

BOWED EXPANDER ROLL

Charles W. Shute, Boston, Mass., assignor to Thomas Leyland Machinery Co., Incorporated, Boston, Mass., a corporation of Massachusetts

Application October 24, 1939, Serial No. 300,955
6 Claims. (Cl. 26—63)



1. In a bowed cloth expander, in combination, a curved shaft, and a plurality of bobbins rotatably mounted on the shaft, each having its cloth-engaging surface terminating in a sinuous curve and with the convex portions of such curve on one bobbin occupying the concave portions of the sinuous curve on the adjacent bobbin, and means wholly below the cloth-engaging surfaces holding the sinuously-curved portions of adjacent bobbins apart from each other.

2,276,243

PRODUCTION OF ALKYD RESINS

Herbert John West, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 16, 1939, Serial No. 256,734
2 Claims. (Cl. 260—22)

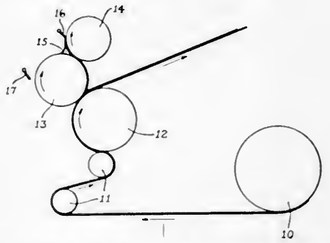
2. A method of producing a fatty oil-acid modified phthalic glyceride resin which comprises reacting together at high temperatures phthalic anhydride, glycerine and a fatty oil-acid in the presence of melamine in amounts of about 1 part of melamine for each 20 parts of phthalic anhydride.

2,276,244

WATERPROOF AND GREASEPROOF PAPER

Harry C. Fisher and James F. Thompson, Cincinnati, and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio

Original application October 7, 1937, Serial No. 167,758. Divided and this application November 22, 1939, Serial No. 305,584
9 Claims. (Cl. 91—68)



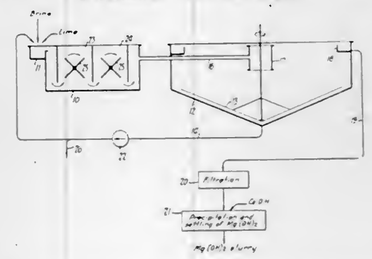
1. A method of forming a substantially waterproof and greaseproof sheet of paper which comprises applying to the surface of a sheet of paper a lower surface coating layer including a water soluble adhesive from the group consisting of glue, casein, soy bean flour, and proteins derived from soy bean flour, and a plasticizing agent therefor adapted to maintain said coating in a flexible condition, applying a hardening agent comprising formaldehyde to said lower coating layer, thereafter forming a smooth uniform film consisting essentially of a solution of resinous material in an organic solvent of a character adapted to wet the surface of the lower coating, and transferring such preformed smooth surface film of resinous material onto said coated sheet of paper in homogeneously bonded and adhering relation thereto to provide a coated sheet having the upper coating layer uniformly and homogeneously distributed over and keyed into said lower coating layer so as to be jointly flexible therewith.

2,276,245

MANUFACTURE OF MAGNESIUM PRODUCTS FROM BRINES

Robert E. Clarke, Palo Alto, Calif., assignor to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware

Application October 25, 1938, Serial No. 236,890
5 Claims. (Cl. 23—201)



1. In a process for the treatment of brine containing dissolved calcium bicarbonate and convertible magnesium salts, preparatory to precipitating magnesium hydroxide from the treated brine, the steps of reacting the brine with calcium hydroxide, the amount of calcium hydroxide being sufficient to theoretically satisfy the bicarbonate ion present and to precipitate only a minor portion of the magnesium salts, thereby causing precipitation of calcium bicarbonate as calcium carbonate and only a minor portion of the magnesium salts as magnesium hydroxide, and accelerating precipitation of calcium carbonate without further precipitation of magnesium salts by contacting the brine with an activated material, the activated material including material previously precipitated from brine by said reaction with calcium hydroxide, and being substantially free of unreacted calcium hydroxide, the activity of the material having been built up by repeated re-use of the same in the process over a long period of time.

2,276,246

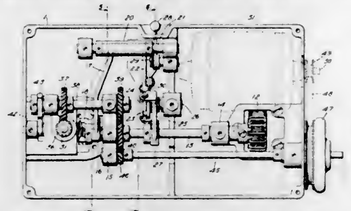
SEWING MACHINE

George A. Fleckenstein, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 24, 1939, Serial No. 300,903
8 Claims. (Cl. 112—220)

1. A sewing machine having a bed and overhanging bracket-arm, a bottom rotary shaft, feed-eccentrics thereon, a loop-taker driving countershaft parallel to and driven by said bot-

tom rotary shaft, a loop-taker driven by said countershaft, a reciprocatory needle, a top rotary shaft for actuating said needle, a driving connection between said bottom and top rotary



shafts, a main-shaft journaled in said bed, a balance-wheel carried thereby, and speed-reducing gearing connecting said main-shaft to drive said bottom rotary shaft.

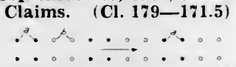
2,276,247

HIGH FREQUENCY MODULATING SYSTEM

William C. Hahn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 27, 1939, Serial No. 296,749

7 Claims. (Cl. 179—171.5)



1. In transit time apparatus, a discharge device having means for producing an electron beam of substantially constant average intensity and velocity, means including a resonant system for conjointly producing velocity modulation of the beam at high frequency and for abstracting output power from the beam at such frequency during the initial traversal of the system by the beam, electrode means for reversing certain components of the beam in response to velocity variations occurring in the beam and also in response to potential variations of the electrode means, such electrode means being positioned to act on the beam only after its traversal of the said resonant system and being ineffective to change the average beam current, and means for varying the potential of the said electrode means at a signal frequency, thereby to cause the power output from said resonant system to be modulated at the signal frequency by virtue of the reaction of the reversed components of the beam on such system.

2,276,248

PROCESS OF RECLAIMING RUBBER

Walter G. Kirby, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 16, 1938, Serial No. 196,155

2 Claims. (Cl. 260—720)

1. A heater process of producing an improved quality substantially neutral cellulose-type reclaim which comprises dampening a broken-down fibre-containing waste rubber stock with a solution of ammonium chloride, converting the mixed semi-dry mass to a semi-plastic condition by the combined action of heat, air, and steam under pressure, with partial disintegration of the fibres, afterwards continuing the plasticization of the stock by the action of steam under pressure, and then, without the necessity of washing or drying milling the partially-disintegrated fibre and rubber stock whereby to uniformly disperse the fibres throughout the mass.

2,276,249

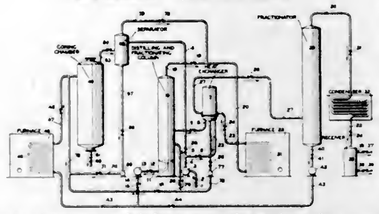
CONVERSION OF HYDROCARBON OILS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 19, 1935. Serial No. 2,581

Renewed January 26, 1939

3 Claims. (Cl. 196—48)



1. A process which comprises topping crude petroleum containing straight run gasoline to separate therefrom a light fraction containing gasoline boiling hydrocarbons, distilling the topped crude to coke, separating high-boiling components from the overhead products of the coking operation, combining the lighter components of said overhead products with said light fraction of the crude, passing the resultant mixture through a heating coil and subjecting the same therein to cracking conditions of temperature and pressure adequate to increase the anti-knock value of the gasoline hydrocarbons contained therein, cooling the resultant conversion products, promptly upon discharge from said coil, by indirect heat exchange with crude oil being supplied to the topping operation whereby to preheat the crude and separate heavy constituents of the conversion products, supplying such separated heavy constituents to the coking operation, and fractionating and condensing the cooled conversion products uncondensed by said heat exchange.

2,276,250

ALKYLATION OF HYDROCARBONS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 29, 1940, Serial No. 321,404

8 Claims. (Cl. 196—10)

1. A process for producing gasoline boiling range hydrocarbons from isoparaffin and olefin hydrocarbons which comprises simultaneously contacting an isoparaffin and an olefin at an alkylating temperature with sulfuric acid to which has been added an inorganic oxygen-containing boron compound in an amount sufficient to substantially dilute the sulfuric acid and correlating the amount and concentration of the acid, the reaction temperature, and the proportion of olefin to isoparaffin to effect alkylation of said isoparaffin by said olefin as the principal reaction in the process with minimum olefin polymerization, thereby chemically combining said isoparaffin and olefin hydrocarbons to form a heavier hydrocarbon boiling in the gasoline range.

2,276,251

ALKYLATION OF HYDROCARBONS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 29, 1940, Serial No. 321,405

12 Claims. (Cl. 196—10)

1. A process for producing gasoline boiling range hydrocarbons from isoparaffin and olefin hydrocarbons which comprises simultaneously contacting an isoparaffin and an olefin at an alkylating temperature with sulfuric acid to which has been added an organic base in an amount sufficient to substantially dilute the sulfuric acid, and correlating the amount and concentration of the acid, the reaction temperature, and the proportion of olefin to isoparaffin to effect alkylation of said isoparaffin by said olefin as the principal reaction in the process with minimum olefin polymerization, thereby chemically combining said isoparaffin and olefin hydrocarbons to form a heavier hydrocarbon boiling in the gasoline range.

2,276,252

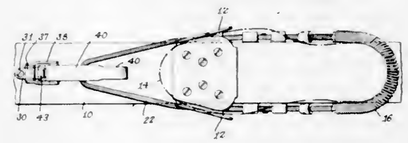
SKI BINDING

Leif Nashe, Concord, and Odd Overgaard, West Concord, Mass.

Application November 16, 1938, Serial No. 240,694

Renewed August 25, 1939

4 Claims. (Cl. 280—11.35)



1. A ski binding clamp comprising a base plate, a clamping lever, a pair of links having their forward ends pivotally connected to the base plate adjacent to its forward end and having their rear ends connected to the clamping lever intermediate its ends and adjacent to its forward end, and a cable engaging link pivotally connected to the forward end of the lever and extending rearwardly therefrom, said link having cable anchoring elements integral therewith and spaced therealong and having a downwardly extending rib pressed thereinto longitudinally thereof, pivotal movement of the lever rearwardly being adapted to draw the link forwardly and the base plate being slotted longitudinally to receive the rib when said link is in its foremost position.

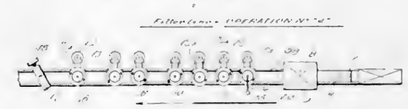
2,276,253

WOOD FINISHING

Watkins Webber Partee, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware

Application October 5, 1938, Serial No. 233,506

6 Claims. (Cl. 91—13)



1. A machine for applying filler to the surface of a line of wood flooring units, means for applying the filler to the surface of the units, a brush of sufficient weight for giving the necessary pressure for forcing the filler into the surface of the units while it is operating, a brush for removing the surplus filler, means for supporting said brushes, a steel wool buffer for removing the markings left by the aforesaid brushes, and means for feeding an unbroken line of units past said instrumentalities.

2,276,254

COLOR PHOTOGRAPHY

Karl Schinzel, Zurich, Switzerland

No Drawing. Application June 14, 1940, Serial No. 340,553. In Great Britain June 16, 1939

9 Claims. (Cl. 95—6)

1. The method of producing a colored image in a photographic emulsion which comprises developing a silver salt image with a primary aromatic amino coupling developer in the presence of a coupling component which couples with the oxidation product of said developer, treating the resulting coupled dye image with acid to split it and treating the ketonic part of the split product with a compound selected from the group which consists of arylhydrazines and arylhydrazides.

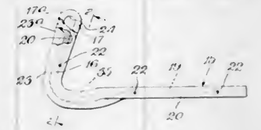
2,276,255

HINGE BUTT AND METHOD OF CONSTRUCTING THE SAME

Joseph Soss, Roselle, N. J.; Charles J. Soss, Henry Soss, and Samuel Soss, executors of said Joseph Soss, deceased

Application October 1, 1938, Serial No. 232,767

16 Claims. (Cl. 29—11)



10. In a hinge of the character described, a hinge butt comprising a hook end portion and an elongated and straight attaching plate portion, the width of the attaching plate portion throughout its length being the same as said hook end portion, said butt being fashioned from a single elongated strip of metal folded centrally to form inner and outer plates joined at the free end of said hook end portion in a cylindrical bearing, said inner and outer plates of said hook end portion and attaching plate portion being arranged in abutting relation to each other and secured together at predetermined intervals, the major portion of the hook end extending angularly at the inner plate side of said attaching plate, said pintle bearing projecting outwardly in the direction of the outer plate of said hook end and disposed entirely beyond the inner surface of said inner plate, upper and lower edges of the outer plate having inturned flanges arranged upon and concealing the corresponding edges of the inner plate throughout the full length of said plate, and the edges of said flanges being in alinement with the inner surface of said inner plate.

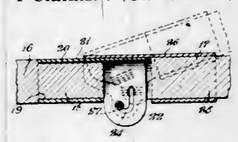
2,276,256

FOLDING STRETCHER

Carl B. Visness and Charles C. Carpenter, Grand Forks, N. Dak.

Application June 5, 1939, Serial No. 277,560

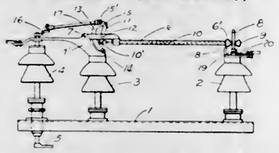
4 Claims. (Cl. 287—99)



1. In a collapsible stretcher of the type including a pair of side members composed of two sections, means for joining the sections comprising hinge elements carried by one of the said sec-

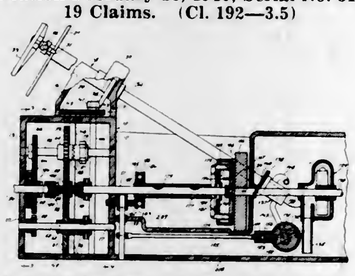
tions and formed with depending ears having helical slots and corrugated portions, hinge elements carried by the other of the said sections in embracing overlapping relation to the first-mentioned hinge elements and formed with depending ears having corrugated portions to lockingly engage the corrugated portions of the first-mentioned ears, a transverse pintle carried by the ears of the second-mentioned hinge elements and received in the helical slots of the first-mentioned hinge elements adapted in one position to hold the sections in longitudinal alignment and in another position to retain the same in acute angular relation, and a nut member threadedly received by the said pintle to engage the last-mentioned hinge element and to hold the corrugated portions of the ears in firm interlocking engagement.

2,276,257
ELECTRIC SWITCH
John R. Caldwell, Birmingham, Ala., assignor to Southern States Equipment Corporation, Birmingham, Ala.
Application April 25, 1940, Serial No. 331,496
7 Claims. (Cl. 200—48)



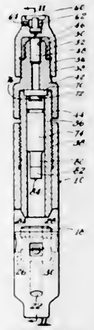
1. In an electric switch two spaced insulated supports, a forked member comprising two contact arms mounted upon one support, a swing arm mounted upon the other support and cooperable in direct contact with the said forked member, a wedge member on the end of the swing arm movable longitudinally of the arm and transversely between the said forked contact arms to spread the said arms, together with operating means to move the said wedge member.

2,276,258
AUTOMOTIVE TRANSMISSION
Isaac B. Horowitz, New York, N. Y.
Application February 16, 1940, Serial No. 319,323
19 Claims. (Cl. 192—3.5)



1. A multiple speed transmission system comprising, in combination, a drive shaft adapted to be rotated by a prime mover, a driven shaft, a plurality of gear means adapted to connect drive shaft with driven shaft and turn the latter at varying speeds and in reverse speed, individual clutch means for selectively rendering one of said gear means operative, and a main clutch normally connecting the prime mover with the drive shaft, a control shaft, a manually actuated lever carried thereby, and means whereby rotation of said shaft through an arc will successively disengage the main clutch, actuate the desired individual clutch means and then re-engage the main clutch, said means including an intermittent driving gear carried by the control shaft adapted to actuate the individual clutch means after the disengagement of the main clutch, a driven shaft carrying an intermittent driven gear, a plurality of cams carried by such shaft, a plurality of individual clutch operating levers adapted to be successively actuated by said cams as the latter shaft is intermittently rotated, one of such levers being adapted to connect drive shaft directly with the driven shaft.

2,276,259
EXPLOSIVELY ACTUATED PUNCH
Robert Temple, Jr., Pittsburgh, Pa.
Application October 12, 1939, Serial No. 299,116
9 Claims. (Cl. 164—85)

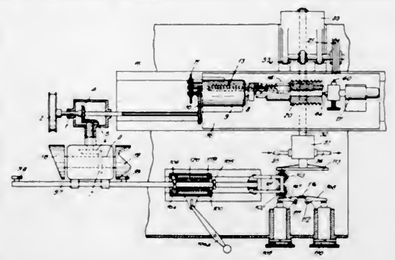


1. That method of punching a hole in a steel plate or the like which comprises center punching the plate, supporting the plate on a die, aligning a barrel with the center punch on the plate, clamping the barrel against the plate to hold it on the die, shooting a punch through the barrel and against the plate under the force of a detonated explosive charge to punch a hole in the plate, securing a rod to the punch through the barrel, and pounding on the rod to withdraw the punch.

4. An explosively actuated tool for punching holes and the like comprising a C-frame, a die removably received in one leg of the C-frame, said die having a lateral opening for the removal of punched out material, a barrel extending through the other leg of the C-frame and in alignment with the die, means adjustably mounting the barrel in the C-frame for movement toward and from the die to clamp work thereagainst, a punch slidably received in the barrel, a breech member adapted to receive an explosive charge and removably secured on the end of the barrel remote from the die, a breech block and firing mechanism removably secured over the end of the breech member, and means on the punch engaging frictionally with the breech member and normally holding the punch at the end of the barrel remote from the die.

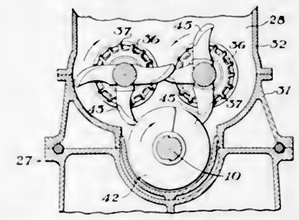
2,276,260
GRINDING MACHINE
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application June 30, 1939, Serial No. 282,275
In Switzerland July 18, 1938
3 Claims. (Cl. 51—45)

1. In a grinding machine, in combination a machine bed, displaceable means on said bed for supporting and rotating the work piece, a grinding wheel rotatably mounted on said machine bed, means for reciprocating either the work piece or grinding wheel in a transverse movement perpendicular to the axis of rotation of the other not reciprocated part, a reciprocatable organ controlling the said transverse movement, an adjustable wheel profiling tool mounted for displacement with the work piece, a rotatable cam system comprising two different cams, two reduction devices each one being constituted by an inclined plane member of micrometrically



adjustable inclination, a slidable rod adapted to cooperate alternatively with one and the other of said cams, and a hinged roller system on said rod adapted to bear on said inclined plane members on one side and against said reciprocatable organ on the other side, said cams being alternatively adapted to reciprocate said organ by the intermediary of said rod and hinged roller system so as to accomplish the dual function of, first generating by means of said profiling tool the profile of the grinding wheel in a section along the axis of the work piece and, second generating by means of said wheel the profile of the work piece in a section perpendicular to the axis of said piece.

2,276,261
COMBINED MIXING AND EXTRUDING MACHINE
Fred T. Buzard, Plymouth, Ohio, assignor to The Fate-Root-Heath Company, Plymouth, Ohio, a corporation of Ohio
Application June 18, 1940, Serial No. 341,151
10 Claims. (Cl. 25—14)



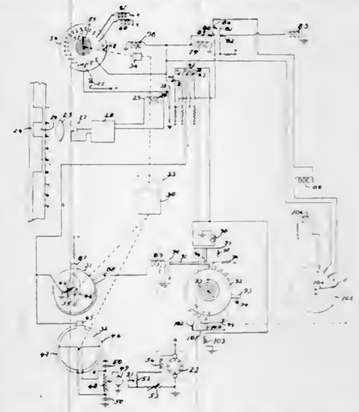
1. A combined mixing and extruding machine comprising a body formed with aligned mixing and de-airing chambers, a plurality of shafts rotatably supported by said body in parallel relationship, said shafts extending longitudinally through said chambers, a plurality of knife members projecting from said shafts in said mixing chamber, said knives being arranged in spiral order around said shafts, an auger screw on each shaft adjacent the de-airing chamber, shredder means disposed within said de-airing chamber adjacent to the entrance thereto from said mixing chamber, feeder finger members projecting from said shafts in spaced order within said de-airing chamber, a passageway extending from the de-airing chamber to the exterior of the machine, said passageway being disposed below the level of said shafts and decreasing in cross-sectional area from its inner to its outer end, an extruding auger extending longitudinally of said passageway and rotatably supported therein, the relative positions of said extruding auger and said shafts being such that said feeder finger members project into the path of movement of said extruding auger blade, and means for imparting rotary movement to said shafts and extruding auger, said shafts being rotated in opposite directions.

2,276,262
COMPOSITE PROPELLER
Frank W. Caldwell and Erle Martin, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 27, 1939, Serial No. 281,376
9 Claims. (Cl. 170—159)



1. A composite propeller blade comprising a metal core having a tubular shank portion of circular section, a flat solid tip portion, and a hollow intermediate portion of less than airfoil contour gradually fairing from said tubular shank portion into said flat tip portion, and a non-metallic fairing of airfoil contour on said core covering said intermediate portion and at least a part of said shank portion terminating in a feather edge near the beginning of said flat tip portion.

2,276,263
TELEGRAPHIC CODE TRANSCRIBING DEVICE
Edward N. Dingley, Jr., Arlington, Va.
Application April 7, 1939, Serial No. 266,517
18 Claims. (Cl. 178—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

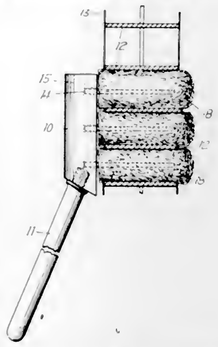


1. A code transcribing device, comprising a tape feeding means, a tape illuminating means, a relay energizing means controlled by the amount of light reflected from a portion of a moving tape upon which representations of code characters have been inscribed, a multi-contact

relay means energized by said relay energizing means, a code bar sliding solenoid selecting means, a magnetically operated clutch therefor and a plurality of code bar sliding solenoids selectable thereby, a synchronizing means for said tape feeding means, said relay means and said code bar sliding solenoid selecting means, an indicating means for such synchronism, a rotatable cogwheel means, a cogwheel-rotating dog means magnetically actuated at periodic equal intervals, a magnetically actuated cogwheel-retaining dog means, a magnetically operated cog-wheel - rotating dog - disengaging means, a magnetically operated cogwheel-retaining dog-disengaging means, an auxiliary selecting means the selecting arm of which is rotatable with said cogwheel, a telegraphic typewriter space bar operating solenoid selectively controlled by said auxiliary selector, a secondary relay means, a code bar normal positioning solenoid controlled thereby, a plurality of letter bar lifting solenoids controlled by said auxiliary selecting means and said secondary relay means, a plurality of transversely slotted code bars longitudinally slidable by said code bar sliding solenoids when selectively energized, a plurality of letter bars disposed under said code bars and transversely thereto, and a plurality of telegraphic typewriter key actuating solenoids selectively controlled by the vertical movement of said letter bars, said secondary relay means and said auxiliary selecting means controlling the energization of an auxiliary parallel energizing circuit for said secondary relay means and said magnetic clutch means, said relay means controlling the energization of said selectable code bar sliding solenoids, both said dog disengaging means, said secondary relay, and said magnetic clutch, said relay means supplying a momentary controlling pulse to said synchronizing and said indicating means.

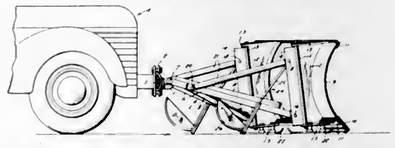
2,276,264
DUSTER
Hyman Goldfinger, Brooklyn, N. Y.
Application May 17, 1940, Serial No. 335,673
2 Claims. (Cl. 15—210)

2. A duster of the character described comprising a holder having a plurality of oppositely spaced angularly disposed openings, a looped flexible member projecting laterally from the holder, said member providing ends for disposition in said angularly disposed openings of the holder and of a diameter substantially that of the openings thereby minimizing displacement of the flexible member therefrom, a flexible glove having a recess therein for receiving said flexible member, and means extending partway through said holder engaging the ends of the said flexible member



and thereby preventing displacement from the sockets, and said means secured to the glove for retaining the glove from sliding off the flexible member.

2,276,265
SNOWPLOW
John Sturtz, Lowville, N. Y.
Application February 12, 1941, Serial No. 378,623
3 Claims. (Cl. 37—42)



3. A snow plow comprising a frame structure, means for securing said frame structure to a power vehicle, a moldboard pivotally mounted on the frame structure, coil springs connecting the moldboard to the frame structure for yieldingly resisting swinging movement of said moldboard in one direction, and tubular braces mounted longitudinally on said coil springs and having one end engaged with the frame structure and their other ends engageable with the moldboard for positively limiting swinging movement of said moldboard in the opposite direction.

DESIGNS

MARCH 10, 1942

131,499
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,953
Term of patent 3½ years



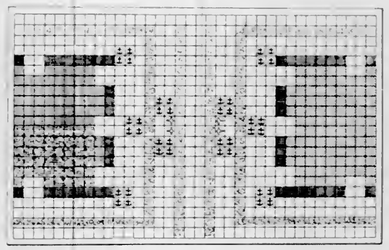
The ornamental design for a brooch or similar article, substantially as shown and described.

131,500
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,960
Term of patent 3½ years



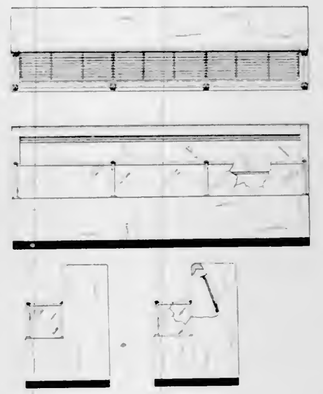
The ornamental design for a brooch or similar article, substantially as shown and described.

131,501
DESIGN FOR A GAME BOARD
Charles Armstrong Carty, Earlville, Iowa
Application December 3, 1941, Serial No. 104,451
Term of patent 7 years



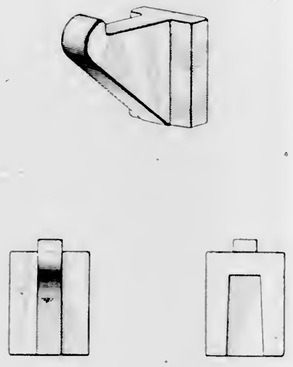
The ornamental design for a game board, as shown.

131,502
DESIGN FOR A REFRIGERATED DISPLAY CASE
John R. Caulk, Jr., Ladue, and Russell E. Davis, St. Louis, Mo., assignors to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Missouri
Application November 28, 1941, Serial No. 104,364
Term of patent 14 years



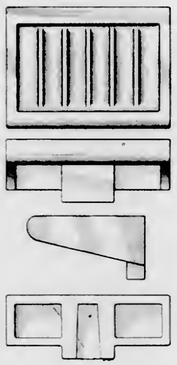
The ornamental design for a refrigerated display case, as shown and described.

131,503
DESIGN FOR A ROBE HOOK OR THE LIKE
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 104,058
Term of patent 14 years



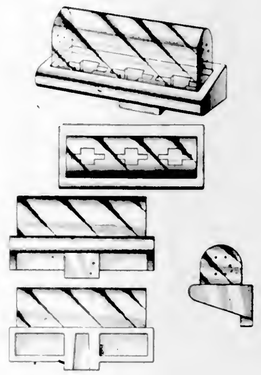
The ornamental design for a robe hook or the like, substantially as shown.

131,504
DESIGN FOR A SOAP DISH
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 104,059
Term of patent 14 years



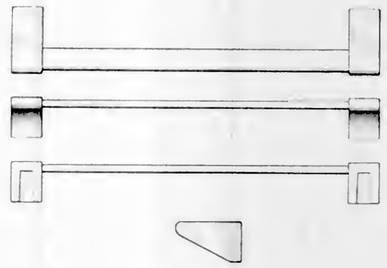
The ornamental design for a soap dish, substantially as shown.

131,505
DESIGN FOR A TOOTHBRUSH HOLDER OR THE LIKE
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 104,060
Term of patent 14 years



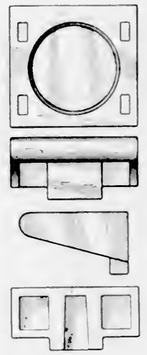
The ornamental design for a toothbrush holder or the like, substantially as shown.

131,506
DESIGN FOR A TOWEL BAR OR THE LIKE
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 104,061
Term of patent 14 years



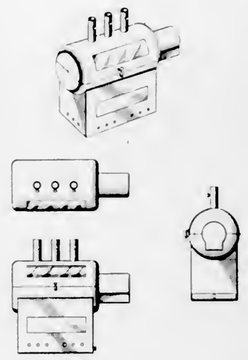
The ornamental design for a towel bar or the like, substantially as shown.

131,507
DESIGN FOR A COMBINATION TUMBLER AND TOOTHBRUSH HOLDER
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 104,062
Term of patent 14 years



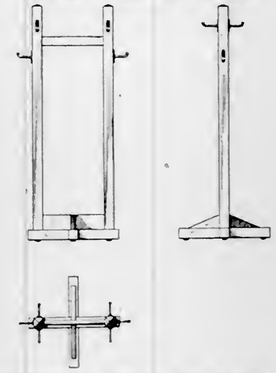
The ornamental design for a combination tumbler and toothbrush holder, substantially as shown.

131,508
DESIGN FOR A COMBINED ROASTER AND BROILER OR SIMILAR ARTICLE
George D. Eddy, San Gabriel, Calif.
Application April 21, 1941, Serial No. 100,544
Term of patent 3½ years



The ornamental design for a combined roaster and broiler or similar article, substantially as shown.

131,509
DESIGN FOR A HALL TREE
Roy R. Fulton, Bridgeport, Ohio
Application November 28, 1941, Serial No. 104,373
Term of patent 14 years



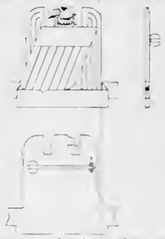
The ornamental design for a hall tree, as shown.

131,510
DESIGN FOR A BROOCH
Lester L. Hess, New York, N. Y.
Application January 1, 1942, Serial No. 104,970
Term of patent 3½ years



The ornamental design for a brooch, as shown.

131,511
DESIGN FOR A PIN
Robert W. Jenkinson, New York, N. Y.
Application November 5, 1941, Serial No. 104,030
Term of patent 3½ years



The ornamental design for a pin, as shown.

131,512
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,219
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,513
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,221
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,514
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,222
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,515
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,124
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,516
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,125
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,517
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,127
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,518
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,128
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,519
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,129
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,520
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,130
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,521
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,131
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,522
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,132
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,523
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 12, 1942, Serial No. 105,133
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,524
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,179
Term of patent 3½ years



The ornamental design for a separable brooch, as shown and described.

131,525
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,184
Term of patent 3½ years



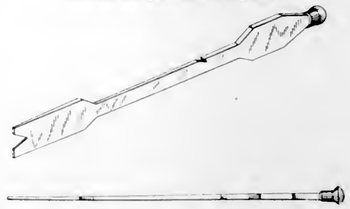
The ornamental design for a brooch or similar article, substantially as shown.

131,526
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,185
Term of patent 3½ years



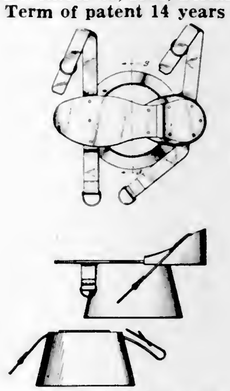
The ornamental design for a brooch or similar article, substantially as shown.

131,527
DESIGN FOR A GAME DART
Otis E. Keene, Bronx, N. Y.
Application October 7, 1941, Serial No. 103,668
Term of patent 14 years



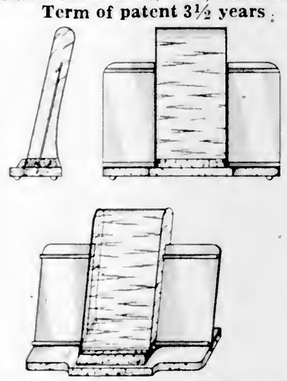
The ornamental design for a game dart, substantially as shown.

131,528
DESIGN FOR A WORK SHOE
Nicola La Manca, Cumberland, Md.
Application December 20, 1941, Serial No. 104,752
Term of patent 14 years



The ornamental design for a work shoe, as shown.

131,529
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application December 12, 1941, Serial No. 104,595
Term of patent 3½ years



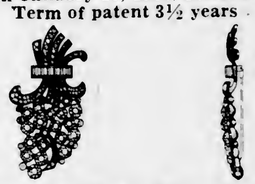
The ornamental design for a display stand, as shown.

131,530
DESIGN FOR A PIN OR SIMILAR ARTICLE
Florence Nathan, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill., a corporation of Illinois
Application January 10, 1942, Serial No. 105,109
Term of patent 3½ years



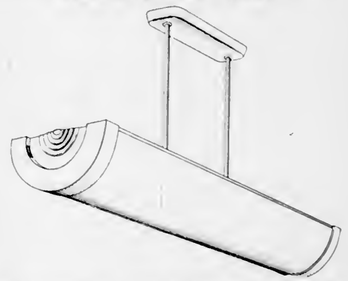
The ornamental design for a pin or similar article, substantially as shown.

131,531
DESIGN FOR A PIN OR SIMILAR ARTICLE
Florence Nathan, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill., a corporation of Illinois
Application January 10, 1942, Serial No. 105,110
Term of patent 3½ years



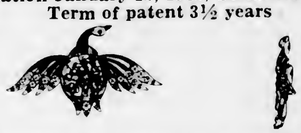
The ornamental design for a pin or similar article, substantially as shown.

131,532
DESIGN FOR A LIGHTING FIXTURE
Shirley R. Naysmith, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application April 18, 1941, Serial No. 100,488
Term of patent 7 years



The ornamental design for a jewelry finding, as shown.

131,533
DESIGN FOR A JEWELRY FINDING
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,134
Term of patent 3½ years



The ornamental design for a jewelry finding, substantially as shown.

131,534
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,135
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,535
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,136
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,536
DESIGN FOR A JEWELRY FINDING
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,140
Term of patent 3½ years



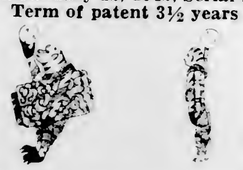
The ornamental design for a jewelry finding, substantially as shown.

131,537
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,142
Term of patent 3½ years



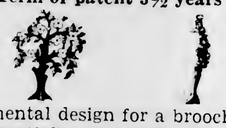
The ornamental design for a brooch or similar article, substantially as shown.

131,538
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,143
Term of patent 3½ years



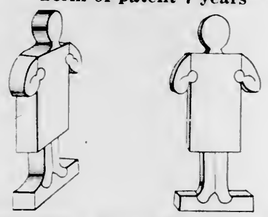
The ornamental design for a brooch or similar article, substantially as shown.

131,539
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,145
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,540
DESIGN FOR A PANELED DOLL OR SIMILAR ARTICLE
Rachel E. Phillips, Cleveland, Ohio
Application September 21, 1940, Serial No. 95,260
Term of patent 7 years



The ornamental design for a paneled doll or similar article, substantially as shown.

131,541
DESIGN FOR A BAR OF SOAP
Harold B. Stoner and George Borchers, Dayton, Ohio, assignors to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio
Application October 21, 1941, Serial No. 103,845
Term of patent 14 years



The ornamental design for a bar of soap, substantially as shown.

131,542
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 14, 1942, Serial No. 105,188
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,543
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 14, 1942, Serial No. 105,189
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,544
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 14, 1942, Serial No. 105,190
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,545
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 14, 1942, Serial No. 105,191
Term of patent 3½ years



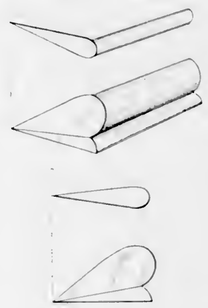
The ornamental design for a shoe, substantially as shown and described.

131,546
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 14, 1942, Serial No. 105,192
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,547
DESIGN FOR A RANGE
Jack Barofsky, Los Angeles, Calif.
Application June 25, 1941, Serial No. 101,660
Term of patent 14 years



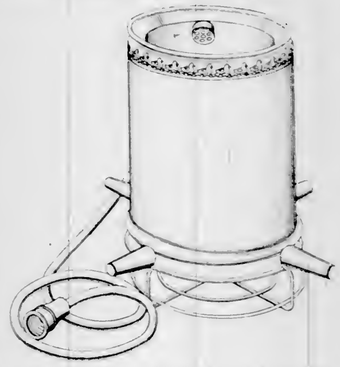
The ornamental design for a range, as shown and described.

131,548
DESIGN FOR A BADGE
Frank J. Cantrell, San Francisco, Calif.
Application January 2, 1942, Serial No. 104,978
Term of patent 7 years



The ornamental design for a badge, as shown.

131,549
DESIGN FOR A LAUNDRY WASHER
Clarence G. Carlson, Oakland, Calif.
Application April 7, 1941, Serial No. 100,199
Term of patent 14 years



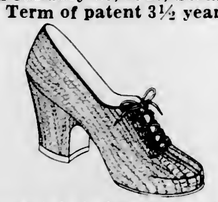
The ornamental design for a laundry washer, as shown and described.

131,550
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Frank Hirsch, New York, N. Y.
Application January 24, 1942, Serial No. 105,399
Term of patent 3½ years



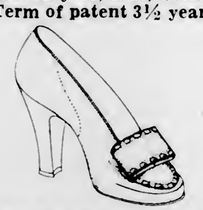
The ornamental design for a shoe or similar article, substantially as shown and described.

131,551
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,223
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,552
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,224
Term of patent 3½ years



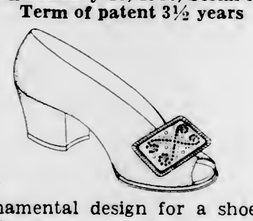
The ornamental design for a shoe, substantially as shown and described.

131,553
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,225
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,554
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,227
Term of patent 3½ years



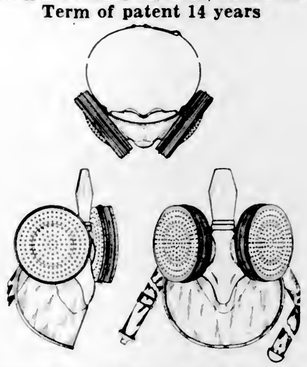
The ornamental design for a shoe, substantially as shown and described.

131,555
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,228
Term of patent 3½ years



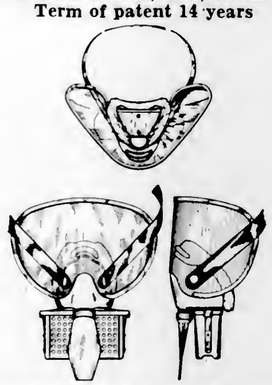
The ornamental design for a shoe, substantially as shown and described.

131,556
DESIGN FOR A COMBINED RESPIRATOR AND FACE SHIELD
Edward V. Karabin, Wilkinsburg, and Raymond A. Dinkel, Mount Oliver, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa.
Application December 31, 1940, Serial No. 97,742
Term of patent 14 years



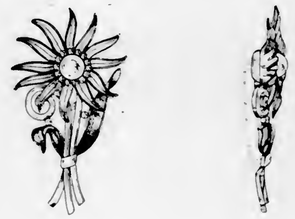
The ornamental design for a combined respirator and face shield, substantially as shown.

131,557
DESIGN FOR A COMBINED RESPIRATOR AND FACE SHIELD
Edward V. Karabin, Wilkinsburg, and Raymond A. Dinkel, Mount Oliver, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa.
Application December 31, 1940, Serial No. 97,743
Term of patent 14 years



The ornamental design for a combined respirator and face shield, substantially as shown.

131,558
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,180
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,559
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,181
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,560
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,182
Term of patent 3½ years



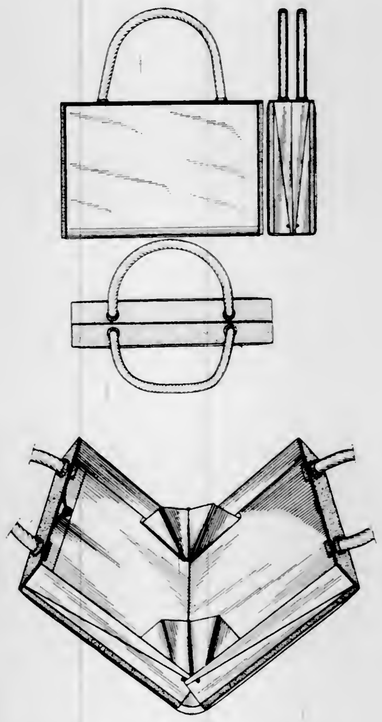
The ornamental design for a brooch or similar article, substantially as shown.

131,561
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 105,183
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,562
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application November 6, 1941, Serial No. 104,044
Term of patent 7 years



The ornamental design for a handbag, substantially as shown and described.

131,563
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,137
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,564
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,138
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,565
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,139
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,566
DESIGN FOR A JEWELRY FINDING
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,141
Term of patent 3½ years



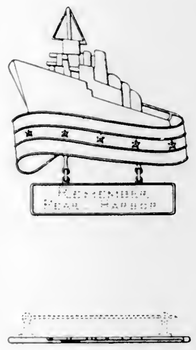
The ornamental design for a jewelry finding, substantially as shown.

131,567
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 12, 1942, Serial No. 105,144
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,568
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Max Silverman, Brooklyn, N. Y.
Application December 18, 1941, Serial No. 104,695
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,569
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application January 14, 1942, Serial No. 105,187
Term of patent 3½ years



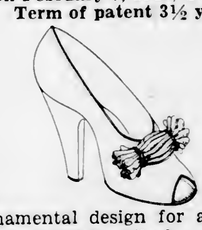
The ornamental design for a shoe, substantially as shown and described.

131,570
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application January 23, 1942, Serial No. 105,378
Term of patent 3½ years



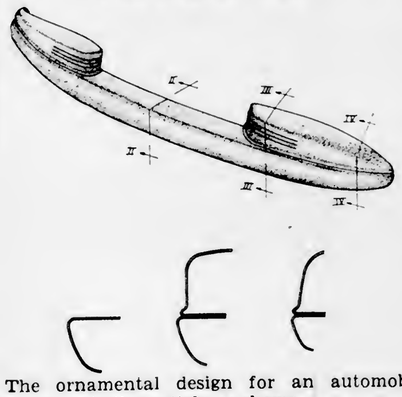
The ornamental design for a shoe, substantially as shown.

131,571
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application February 7, 1942, Serial No. 105,700
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

131,572
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 9, 1940, Serial No. 97,193
Term of patent 7 years



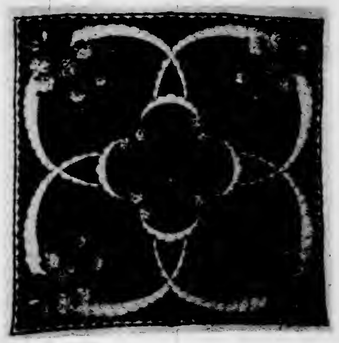
The ornamental design for an automobile bumper or similar article, as shown.

131,573
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Arnold Zavell, New York, N. Y.
Application December 13, 1941, Serial No. 104,607
Term of patent 3½ years



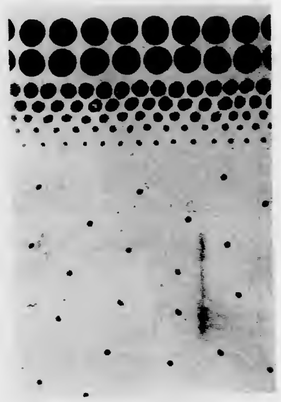
The ornamental design for a textile fabric or similar article, as shown and described.

131,574
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Will Funston, New York, N. Y.
Application January 20, 1942, Serial No. 105,327
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, substantially as shown.

131,575
DESIGN FOR A TEXTILE FABRIC
Earl S. Hoshall, New York, N. Y.
Application January 30, 1942, Serial No. 105,514
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

131,576
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks,
New York, N. Y.
Application January 24, 1942, Serial No. 105,392
Term of patent 3½ years



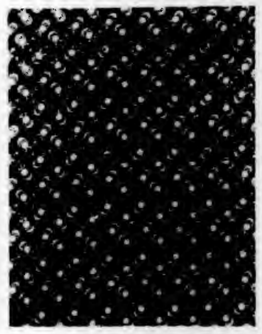
The ornamental design for a textile fabric, substantially as shown and described.

131,577
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks,
New York, N. Y.
Application January 24, 1942, Serial No. 105,393
Term of patent 3½ years



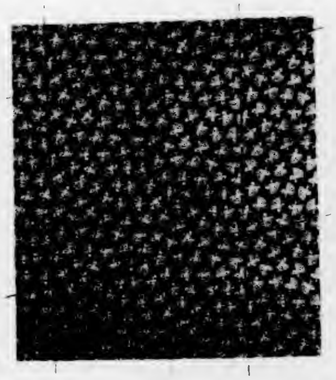
The ornamental design for a textile fabric, substantially as shown and described.

131,578
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks,
New York, N. Y.
Application January 24, 1942, Serial No. 105,394
Term of patent 3½ years



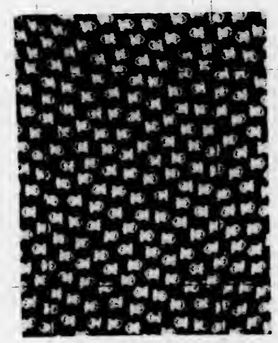
The ornamental design for a textile fabric, substantially as shown and described.

131,579
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks,
New York, N. Y.
Application January 24, 1942, Serial No. 105,397
Term of patent 3½ years



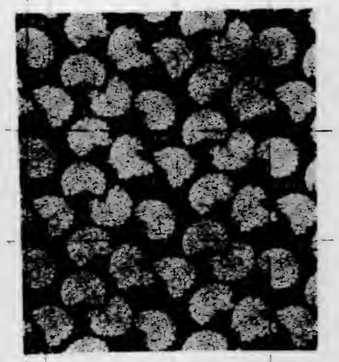
The ornamental design for a textile fabric, substantially as shown and described.

131,580
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks,
New York, N. Y.
Application January 24, 1942, Serial No. 105,398
Term of patent 3½ years



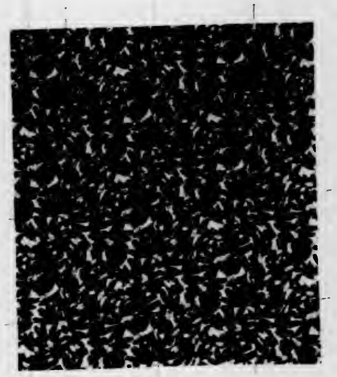
The ornamental design for a textile fabric, substantially as shown and described.

131,581
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application January 27, 1942, Serial No. 105,450
Term of patent 3½ years



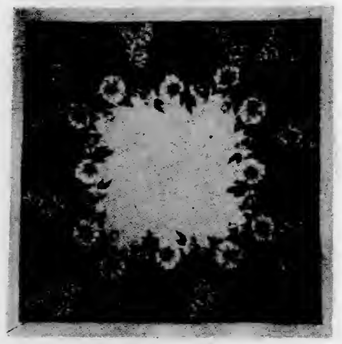
The ornamental design for a textile fabric, substantially as shown and described.

131,582
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application January 27, 1942, Serial No. 105,451
Term of patent 3½ years



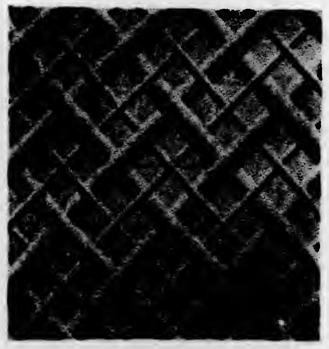
The ornamental design for a textile fabric, substantially as shown and described.

131,583
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Mary C. McGee, Hempstead, N. Y.
Application January 20, 1942, Serial No. 105,331
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, substantially as shown.

131,584
DESIGN FOR A TEXTILE FABRIC
Willard David Roberson, New York, N. Y.
Application January 30, 1942, Serial No. 105,511
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

131,585
DESIGN FOR A BRACELET
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,957
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,586
DESIGN FOR A BRACELET
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,958
Term of patent 3½ years



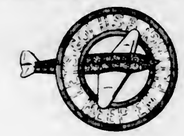
The ornamental design for a bracelet, substantially as shown.

131,587
DESIGN FOR A SANDAL
Gus E. Bergman, Columbus, Nebr.
Application January 2, 1942, Serial No. 104,975
Term of patent 3½ years



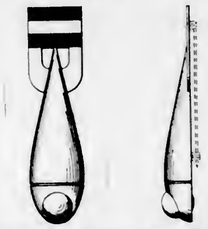
The ornamental design for a sandal, as shown.

131,588
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Benjamin Carlson, New York, N. Y.
Application December 27, 1941, Serial No. 104,872
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,589
DESIGN FOR A LAPEL PIN OR SIMILAR ARTICLE
Emery J. Davis and Otie Randolph Bell, Memphis, Tenn.; said Bell assignor to said Davis
Application December 26, 1941, Serial No. 104,852
Term of patent 3½ years



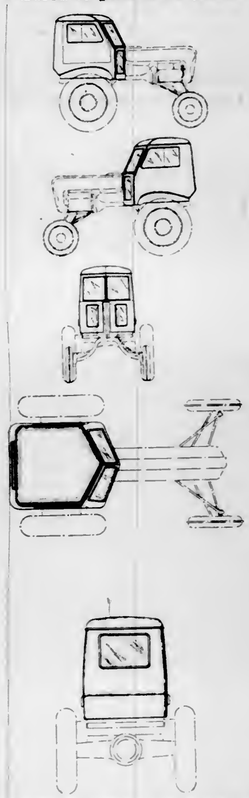
The ornamental design for a lapel pin or similar article, substantially as shown.

131,590
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application December 27, 1941, Serial No. 104,871
Term of patent 3½ years



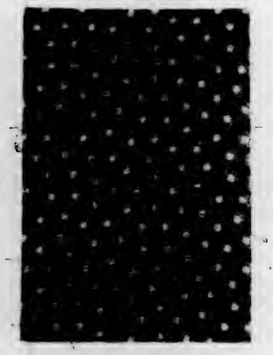
The ornamental design for a brooch or similar article, substantially as shown.

131,591
DESIGN FOR A TRACTOR
Leonard Keller, Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 6, 1940, Serial No. 96,353
Term of patent 14 years



The ornamental design for a tractor, as shown.

131,592
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks, New York, N. Y.
Application January 24, 1942, Serial No. 105,391
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,593
DESIGN FOR A TEXTILE FABRIC
Frances Lind and Frances A. Brooks, New York, N. Y.
Application January 24, 1942, Serial No. 105,396
Term of patent 3½ years



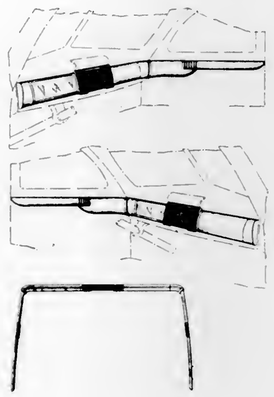
The ornamental design for a textile fabric, substantially as shown and described.

131,594
DESIGN FOR A SWEATER
Nathan S. Mesh, New York, N. Y.
Application November 22, 1941, Serial No. 104,260
Term of patent 3½ years



The ornamental design for a sweater, substantially as shown.

131,595
DESIGN FOR A COMBINED AUTOMOBILE INSTRUMENT PANEL AND INTERIOR DOOR MOLDING
Samuel K. Wald, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 22, 1941, Serial No. 98,276
Term of patent 7 years



The ornamental design for a combined automobile instrument panel and interior door molding, substantially as shown and described.

131,596
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application January 19, 1942, Serial No. 105,291
Term of patent 3½ years



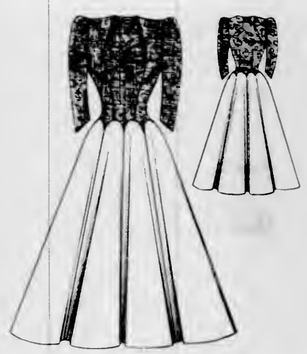
The ornamental design for a suit, substantially as shown.

131,597
DESIGN FOR A SUIT
Abraham Shotland, New York, N. Y.
Application January 24, 1942, Serial No. 105,402
Term of patent 3½ years



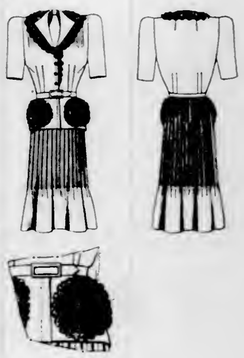
The ornamental design for a suit, substantially as shown.

131,598
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 2, 1942, Serial No. 105,552
Term of patent 3½ years



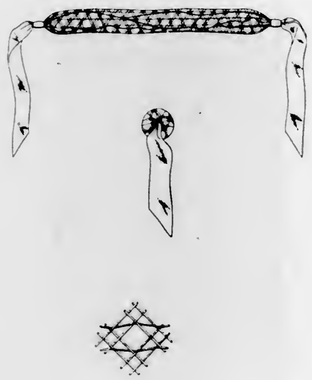
The ornamental design for a dress, substantially as shown.

131,599
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application January 26, 1942, Serial No. 105,414
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,600
DESIGN FOR A HAIR ROLL
John W. W. Holden, Providence, R. I.
Application May 27, 1941, Serial No. 101,171
Term of patent 7 years



The ornamental design for a hair roll, substantially as shown.

131,601
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application January 26, 1942, Serial No. 105,412
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

131,602
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application January 26, 1942, Serial No. 105,413
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,603
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 26, 1942, Serial No. 105,416
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,604
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 26, 1942, Serial No. 105,417
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,605
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 26, 1942, Serial No. 105,418
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,606
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application January 26, 1942, Serial No. 105,419
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,607
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 2, 1942, Serial No. 105,551
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,608
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 2, 1942, Serial No. 105,553
Term of patent 3½ years

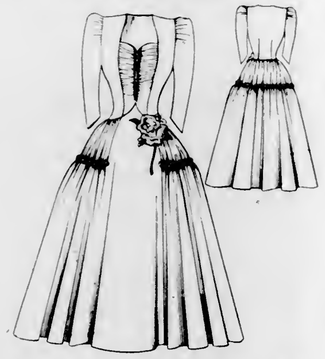


Fig. 2 is a rear view of the dress shown in Fig. 1 on a reduced scale.

131,609
DESIGN FOR A DRESS ENSEMBLE
Sadie Elmo, New York, N. Y.
Application January 26, 1942, Serial No. 105,422
Term of patent 3½ years

The ornamental design for a dress ensemble, substantially as shown.

131,610
DESIGN FOR A DRESS
Edward L. Horn, New York, N. Y.
Application January 26, 1942, Serial No. 105,415
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,611
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application January 26, 1942, Serial No. 105,410
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,612
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application January 26, 1942, Serial No. 105,411
Term of patent 3½ years



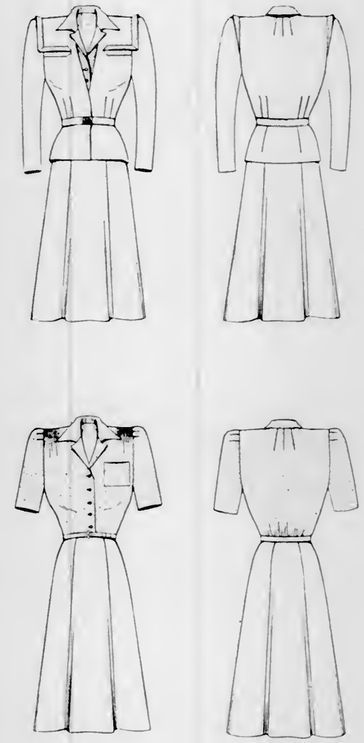
The ornamental design for a dress, substantially as shown.

131,613
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application January 30, 1942, Serial No. 105,518
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,614
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application January 26, 1942, Serial No. 105,420
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

THE

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OF THE

United States Patent Office

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March 17, 1942

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T. M. Renewals	66			
Plant Patents	2—	No. 506 to No.	507,	inclusive.
Patents	759—	No. 2,276,266 to No.	2,277,024,	inclusive.
Designs	57—	No. 131,615 to No.	131,671,	inclusive.
Total	1,008			

Drawings

RULE 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

RULE 52—EXTRACT

(f) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Notice

UNDER EXECUTIVE ORDER NO. 8839 (JULY 30, 1941) AND PUBLIC LAW NO. 239 (APPROVED AUGUST 21, 1941)

As a result of the coordination of the policies of the Board of Economic Warfare and the Patent Office in administering the above-cited Executive Order and Law, the following practices have been adopted, viz.:

1. All petitions for licenses under Public Law No. 239 should be filed with the Patent Office, as heretofore.

2. The Patent Office will grant or deny in its usual manner and transmit without reference to the Board of Economic Warfare, all licenses for the filing of patent applications in the countries of the British Empire (as defined by the Board of Economic Warfare from time to time in view of the military situation). Such licenses will be stamped in the Patent Office, with a stamp of the Board of Economic Warfare bearing the words: "Approved for British Empire Only". This stamp will be placed on the license and on the outside of the envelope in which the applications are to be sent abroad by the licensee and will serve to notify the censoring authority that the licenses have the approval of the Board of Economic Warfare.

3. Petitions for licenses for the filing of patent applications in all other countries than those designated in paragraph (2) will be forwarded before final action by the Patent Office to the Technical Data Division of the Office of Export Control, Board of Economic Warfare, for consideration, particularly with respect to the economic needs of the countries of designation, the character and status of the consignee, and other matters, knowledge of which is not ordinarily available to the Patent Office. No license shall be issued for the filing of patent applications in such countries without the approval of the Board of Economic Warfare. The approval of the Board of Economic Warfare will be indicated by a seal or stamp to be affixed to the license, if it be granted, and also to be displayed on the outside of the mailing envelope or wrapper containing the license so that it may be observed by the censor. In those cases approved by both the Board of Economic Warfare and the Patent Office, the mailing envelope will be sealed and the stamp of the Patent Office will be affixed thereon by the Licensing Division of the Patent Office.

CONDER C. HENRY,
Assistant Commissioner of Patents.

Notice

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 28, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,662; Trade-Mark Division, 1,125. Oldest new case, Apr. 29, 1941; oldest amended, Apr. 25, 1941.)
(The dates given are 1941 except where † indicates 1942)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 26	June 26	768
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 19	Sept. 6	701
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 4	Nov. 5	576
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 3	Oct. 22	517
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 15	Aug. 28	462
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 18	Aug. 6	1,042
5725	7. JARBOE, C. G., Optics; Photography	Aug. 4	Aug. 15	1,052
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 16	Aug. 15	851
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 4	Sept. 4	622
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	June 25	July 5	878
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 14	Oct. 9	411
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 11	Sept. 5	603
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 8	July 5	641
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 30	Oct. 23	586
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 4	July 25	1,160
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 7	Oct. 7	490
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 2	June 28	944
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 8	Sept. 27	584
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 24	July 28	677
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 13	Aug. 25	420
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 1	Sept. 5	392
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 9	May 10	1,707
7624	23. BUTTNER, W. J., Registers (part)	Apr. 29	Apr. 25	253
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 21	Aug. 26	869
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 17	Oct. 2	609
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 3	Sept. 29	451
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 14	July 28	590
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Aug. 25	July 31	382
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 29	July 30	714
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 7	Nov. 10	401
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 2	Sept. 3	1,572
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 16	June 27	971
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	July 10	July 9	920
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 1	Sept. 13	421
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 15	July 8	958
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 29	Aug. 21	654
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 1	Oct. 20	625
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 17	July 12	723
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 18	Oct. 22	556
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 15	July 18	1,629
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Sept. 4	Sept. 4	571
5882	42. CUTTING, H. O., Electric Signaling	Oct. 8	Sept. 26	409
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 28	Aug. 22	761
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 5	Aug. 29	397
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 17	Dec. 8	348
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 8	Aug. 8	781
6082	47. KANOF, W. J., Clutches; Brakes	Sept. 5	Sept. 11	395
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 5	Aug. 6	767
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 14	Aug. 4	704
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 31	July 31	1,525
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 28	Nov. 27	313
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 13	Sept. 11	440
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 26	Apr. 28	624
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 23	Oct. 18	374
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 1	Oct. 1	309
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 5	July 5	1,428
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 2	Oct. 6	342
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 17	Nov. 6	427
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 16	July 15	1,182
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 27	Sept. 13	377
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 21	Aug. 6	708
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 22	Sept. 5	730
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 16	July 9	1,410
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 15	Aug. 16	1,592
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 10	Sept. 19	361
2099 B	Trade Marks. F. A. RICHMOND	†Jan. 27	†Feb. 4	1,125
2605	Designs: H. H. KALUPY	Dec. 26	†Jan. 19	1,005

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE GOSMANN

No. 4,537. Decided December 29, 1941
[124 F.(2d) 199]

PATENTABILITY—AUTOMATIC TELEPHONE SYSTEM.

Certain apparatus and method claims in appellant's application relating to an automatic telephone system *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Edgar W. Adams, Mr. M. R. McKenney and *Mr. P. C. Smith* for Gosmann.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 5 and 11 to 14, inclusive, in appellant's application for a patent for an invention relating to an automatic telephone system.

Claims 5 and 13, of which claim 13 is illustrative, are apparatus claims, and claims 11, 12, and 14, of which claim 14 is illustrative, are method claims.

Claims 13 and 14 read:

13. In a telephone system, a calling station and a called station, a plurality of band-pass filters, each of said filters being resonant to a fundamental frequency of a spoken word, switching apparatus adapted to connect said calling station with said called station, a gas-filled tube in the output of each filter, relays operable by the response of said gas-filled tubes, circuits selectively established by the operation of said relays, and registering means operable over said circuits when said filters respond to spoken words characteristic of the digits of telephone designations to control said switching apparatus.

14. The method of establishing a connection between two telephone stations which consists in speaking into the transmitter at one of said stations the elements of the directory number of a desired station thereby generating complex undulating electric currents corresponding to said spoken elements, electrically amplifying and detecting the electric currents corresponding to each spoken element, making a registration of each spoken element in response to the detection of the corresponding currents thereof, and controlling the operation of switching mechanism by said registrations to establish a connection from the calling station to the station whose directory number has been spoken.

Claim 4, a method claim, and claims 6, 8, 9, and 10, apparatus claims, were allowed by the Primary Examiner.

The references are: Blattner, 1,654,068, December 27, 1927; Raymond et al., 1,862,549, June 14, 1932.

In certain localities telephone systems are used wherein connections are established by means of automatic operating switches without the aid of telephone operators. These systems, for the purpose of this decision, may be referred to as dial systems. Such a system is disclosed in the reference patent to Raymond et al.

In appellant's telephone system, the dial and the apparatus necessary to its functioning are eliminated and, in order to initiate a call, it is only necessary for the calling subscriber to remove the telephone transmitter from the switch hook and speak into it the desired "telephone number." So that he might accomplish his purpose, appellant took advantage of certain prior-art knowledge. With regard to such knowledge, appellant states in his application that—

> The phenomena of sound, and particularly of the sound waves produced by the vocal cords and transmitted through the vocal passages, has been the subject of many thoroughgoing scientific investigations which have established the fact that speech sound waves initiated by the vocal cords have certain resonant characteristics impressed upon them which causes them to be distinguished from one another as words or parts of words. According to Dr. H. Fletcher's text "Speech and Hearing" the spoken sounds of the English language can be classified into 39 speech sounds readily distinguished by the average person * * *.
>
> Since words are composed of the fundamental sounds * * *, a study of the physical characteristics of these sounds makes it possible to recognize different words by their sound frequency spectra. * * * This fact has been made use of in the analysis of sound by causing the sound energy to be changed into an undulating electric current which varies exactly in accordance with the sound impressed. This electric current is then passed through a plurality of selective filter networks, each responsive only to a narrow band of frequencies. At those frequencies of tuning which coincide with the component of frequencies of the sound wave, the response of the electric devices connected to each of the filters will be a maximum.

Appellant further states in his application that—

> *It is this fundamental relation between sound energy and equivalent electrical energy which forms the basis of the present invention.* Ordinarily, in automatic telephony, selective switches are operated in response to groups of impulses produced by a dial at the subscriber's substation. These impulses either actuate the switches directly, in which case the switches take a number of steps equal to the number of impulses, or they actuate registering devices to record the wanted number, in which case the devices selectively control the operation of a number of switches to reach the desired line. In my invention, the dial at the telephone station is eliminated and the subscriber, upon initiating a call, transmits the office and number of the wanted line by pronouncing the same in the telephone transmitter in the same way as he would if he were calling from a manual station.
>
> *The register relays at the central office which control the selective movement of the line-extension switches, instad of being set in response to the impulses of a dialed number, are now set in esponse to the operation of band-pass filters each of which is tuned to maximum resonance for a particular frequency that characterizes a vowel or consonant in the electrical alphabet.* These relays are then locked to control the selective operation of the switches that reach the wanted line and the extent of their movement is, of course, determined by the combination of relays so locked and the selective circuits that can be controlled thereover, all in accordance with well-known automatic telephone practices. [Italics ours.]

Appellant further states in his application that in his system each tuned band-filter is so adjusted that only certain bands of frequencies can pass, the others being completely suppressed, and that, by means of gas-filled tubes, those that pass control the operation of the relays associated with each filter.

Appellant has also provided his apparatus with certain digit relays—ten in number—which register the digits from 0 to 9, inclusive. These relays are controlled by different combinations of the control relays associated with the filters. For example, when some of the control relays operate in response to the speaking of a word which corresponds to one of the digits, the circuit of one of the digit relays is completed. Then if another word, for example the word "three" which corresponds to the digit 3, is spoken, other control relays operating in response to the speaking of that word into the transmitter complete the circuit of another digit relay. Such oper-

ation is explained in appellant's application as follows:

"By the suitable wiring of the contacts controlled by these [the control] relays a corresponding one of the ten digit relays * * * is operated and locked to ground at the back contact of [the] relay * * * in the selector control apparatus."

It is also stated in appellant's application that "by grounding one to three of a set of five conductors extending to the control apparatus," the digit relays selectively operate the relays of the selector control apparatus.

It may be said at this point that it is conceded in appellant's application that the selector control apparatus (including the switching apparatus which connects the calling line to the line being called) and its operation are disclosed in the reference patent to Raymond et al.

The patent to Blattner relates to an apparatus for the *visual* interpretation of speech and music with the aid of electrical illumination. The patentee states that

"A related object of the invention is to *produce lighting effects* which blend in harmony with the articulate sounds produced by a phonograph or other sound reproducing system." [Italics ours.]

The means provided by the patentee is for the purpose of

"accentuating the artistic effect produced by musical and other programs *whose themes suggest various degrees of light and color.*" [Italics not quoted.]

The patentee discloses a phonograph reproducing system including a loud speaker. A plurality of "channels including wave filters * * * are associated with the circuit" in the phonograph reproducing system and are designed, as in general are appellant's tuned band-filters, to pass certain bands of frequencies and to suppress others. The output sides of the wave filters are coupled to amplifying detectors of the space-discharge type having incandescent lamps connected in their output circuits. The patentee provides a generator and a rectifier as a source of "space current and filament heating current" for amplifying the detectors and to supply energy to the lamps, and an auxiliary circuit for lighting the lamps to a predetermined minimum brilliancy before and without regard to the transmission of current or energy from the circuit in the phonograph reproducing system. In the operation of the patentee's apparatus, a portion of the energy in the circuit in the phonograph reproducing system is transmitted by the wave filters "to the input circuits of the respective detectors, depending upon the frequency and intensity of the transmitted energy," causing an increase in the current in the associated output circuits and thus lighting the lamps to a brilliancy depending upon the energy transmitted to them. One of the lamps in the patentee's apparatus may be colored red, another green, and another blue, such colors being arbitrarily associated with the various frequency bands. The patentee further states that a greater variety of colors might be obtained by employing a greater number of wave filters and different colored lamps.

The Primary Examiner rejected each of the appealed claims on the patent to Blattner in view of the patent to Raymond et al., stating in his decision that it would not involve invention

"to substitute a microphone for the reproducer [in the phonograph reproducing system] * * * and relays for the lamps"

disclosed in the patent to Blattner. The Examiner further stated that

"The operation of one or a combination of these relays [the relays substituted for the lamps in the Blattner disclosure] *could* be used to operate the register shown by the patent to Raymond et al. *The patent to Raymond et al. discloses a register which is used to control the switches in the extension of a telephone system.*" [Italics ours.]

With reference to appealed claim 5, the Examiner said:

"This claim reads upon the references in the following manner: the microphone substituted for the reproducer * * * is the means for generating undulating current corresponding to sound undulations; the means associable with the calling station and responsive to said undulating current for separating said current into component currents of fundamental frequencies are the filters * * *; and the means responsive to said component currents for controlling the automatic selection of said called station are the relays substituted for the lamps * * *, and the register set forth in Raymond et al."

With reference to appeal claims 11, 12, and 14, the Examiner said:

"The limitation 'making a record of each fundamental frequency' appearing in claims 11 and 12 and the limitation 'making a registration of each spoken element' appearing in claim 14 are considered to be the operation of one or more of the relays substituted for [the] lamps"

disclosed in the patent to Blattner. With reference to claim 13, the Examiner said that

"The gas-filled tubes * * * of Blattner are considered to be the full equivalent of applicant's gas-filled tubes. The operation of a gas-filled tube * * * is necessary to operate a relay which has been substituted [in appellant's apparatus] for the lamps"

in the Blattner disclosure.

In its decision affirming the decision of the Primary Examiner, the Board of Appeals stated that the *basic principle* of resolving spoken words and numerals into elemental sound frequencies and the fact that such frequencies predominate in

"different quantity and combinations in different words and numbers and may be utilized by proper selection of selective filters to *actuate automatic mechanism to select a called station*"

in an automatic telephone system is disclosed in the reference patent to Blattner [italics not quoted], although, the Board stated, the patentee employed such basic principle in a different situation and for a different purpose. We quote from the Board's decision:

It appears that the question of invention is merely that of whether in view of the disclosure of the basic principle of resolving sound into component elements and causing response of a group of filters to the predominant elements to operate a device, that any invention is involved in associating it with other apparatus to be operated. *The several output circuits of Blattner could obviously be connected with any apparatus having a plurality of relay actuated switches and obviously might be associated with the operating relays of an automatic selector although in such case one would have to adjust the filters to correspond with the necessary frequencies to indicate a called station rather than to operate colored lights.* It is believed that invention is not involved in this broad conception, the only problem being merely to determine by test whether speech can be analyzed with sufficient accuracy to represent practical telephone work. However, it might be assumed that a very limited number of telephones would be called. If for instance only three phones were to be in the group to be called they could be directly connected to the three outputs of Blattner's system and the filters adjusted to be responsive to such calling tones.. [Italics not quoted.]

Counsel for appellant state in their brief that, in addition to the substitution of a telephone transmitter for the reproducer in the phonographic reproducing system disclosed in the patent to Blattner, appellant has provided band-pass filters, "control relays," and "digit relays" to replace the equipment disclosed in the Raymond et al. patent which counts and records the impulses of each digit dialed, and that appellant's digit relays control the operation of the Raymond et al. digit storing registers. (Those statements are not questioned by the Solicitor for the Patent Office.) Counsel further state that appellant's arrangement is neither disclosed nor suggested in the prior art and, therefore, involves invention.

In its decision, the Board of Appeals stated that, although it would be necessary to

"adjust the filters [in the Blattner patent] to correspond with the necessary frequencies to indicate a called station rather than to operate colored lights,"

it was obvious that the output circuits disclosed by Blattner could

"be connected with any apparatus having a plurality of relay actuated switches"

including

"the operating relays of an automatic selector"

used in the Raymond et al. automatic telephone system. The Board also stated that the only problem involved was to

"determine by *test* whether speech"

could

"be analyzed with sufficient accuracy to represent practical telephone work." [Italics not quoted.]

The Board did not explain why, in its opinion, it would be obvious that the output circuits disclosed in the patent to Blattner could, by experimentation, be connected so as to operate the selector control apparatus in the Raymond et al patent. The Board, of course, realized that once having the broad idea of operating an automatic telephone system by speaking into a telephone transmitter, neither disclosed nor suggested by the prior art, rather than by using the dial and the necessary relays involved in its operation, it would be necessary to adjust the filters disclosed in the patent to Blattner to correspond to the frequencies necessary to indicate the letters and digits used in a telephone system, and that it would also be necessary to determine whether such letters and digits could be so analyzed and the filters so adjusted that the system would be practical and would operate successfully. It may be observed in this connection that the patent to Blattner issued approximately five and one-half years before the issuance of the patent to Raymond et al., and that it evidently did not occur to the patentees Raymond et al. that the Blattner disclosure might be utilized in an automatic telephone system. Furthermore, so far as we are aware, it was not until the filing of appellant's application, ten years after the issuance of the Blattner patent and five years after the issuance of the patent to Raymond et al., that it was discovered that a system such as that defined by the appealed claims had practical utility. Now that appellant has shown the way, his apparatus and the principle of its operation seem simple.

That the automatic telephone system claimed by appellant is novel and that it has practical utility, is not questioned by the tribunals of the Patent Office. We are of opinion, therefore, that, on the record presented, appellant's structure, as defined by appealed claims 5 and 13, and the method, as defined by appealed claims 11, 12, and 14, involve invention.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE THE B. MANISCHEWITZ COMPANY

No. 4,545. Decided December 1, 1941

[123 F.(2d) 641]

TRADE-MARKS—CONFUSING SIMILARITY.

Mark, for use on crackers or biscuits, consisting of a blue colored, six-pointed star having therebeneath, on a diagonal line, the words "Star Of Them All" *Held* confusingly similar to the registered mark for identical goods, consisting of a five pointed star in white upon a five-pointed black background, above which is a scroll bearing the words "Star Biscuits" and below which is a similar scroll bearing the words "of America Inc."

APPEAL from Patent Office. Affirmed.

Messrs. Murray, Sackhoff & Paddack for The B. Manischewitz Company.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from the decision of the Commissioner of Patents affirming that of the Examiner of Trade-Marks rejecting appellant's application for registration of a mark for use on crackers or biscuits, which mark as described in the brief on behalf of appellant, consists of "a blue colored, six-pointed star having therebeneath, on a diagonal line, the words 'Star of Them All.'" The application was filed February 25, 1939.

The rejection was based upon a registration, issued February 22, 1938 (Trade-Mark No. 354,685), upon an application filed December 15, 1934, of a mark which is described in the decision of the Commissioner as

"a large five-pointed star, above which is a scroll bearing the words 'Star Biscuits,' and below which is a similar scroll bearing the words 'of America Inc.'"

In the course of the decision the Commissioner said:

I agree with the Examiner that "the goods of each party are likely to be known as 'Star' biscuits," and it seems to me that confusion would inevitably result from the concurrent use of these two marks.

We are in agreement with the above finding.

The only question before us is the statutory right of appellant to register under the Trade-Mark Registration Act of 1905, as amended. Section 5 of that act (U. S. C. A., §85(*b*)) contains the following:

Provided, That trade-marks which are identical with a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties, or which *so nearly resemble* a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers *shall not be registered*. [Italics supplied.]

The goods of applicant, as named in the application, are identical with the goods named in the registration upon which the rejection was based. The respective marks are not identical. Applicant's

mark embraces as one of its features a representation of a six-pointed star, colored blue, while the star symbol in the registered mark is five-pointed and apparently is white upon a five-pointed black background. The word notations which accompany the respective marks also differ, but the word "Star" is a very conspicuous feature of both.

The deduction of the tribunals of the Patent Office to the effect that the goods of both parties are likely to be known as "Star Biscuits" seems to us to be reasonable and natural, and it is our view that confusion as to origin would be highly probable.

It is argued on behalf of appellant that there is such a widespread use of star trade-marks that no one is entitled to broad rights thereunder and

"he who adopts a star trade-mark and sufficiently distinguishes it from prior marks, is entitled to protection."

In connection with this argument several cases involving questions of infringement are cited, and it is urged, in effect, that there is no

"valid reason for the wide discrepancy between the decisions of courts relating to infringement and the decisions of this court relative to registration."

We have frequently had occasion to point out the distinction between proceedings in equity involving the right to use a mark, and the right to register under the plain terms of the statute. See *Richard Hellman, Inc.*, v. *Oakford & Fahnestock*, 19 C. C. P. A. (Patents) 816, 54 F.(2d) 423, 417 O. G. 848, and cases therein cited. It is deemed unnecessary to repeat here what so often has been said upon this subject.

Another argument on behalf of appellant is to the effect that it is the owner of prior registrations of marks claimed to be similar to the mark of the application, and that this "should resolve any doubt in applicant's favor." Three of the marks cited in this connection appear to have been registered before the registration of Trade Mark No. 354,685 upon which the rejection of the mark here involved was based. They so differ as to both their symbolic and word features from Trade-Mark No. 354,685 that we can readily understand why registration of the latter was granted despite them. The fourth registration (Trade-Mark No. 371,161) was granted September 19, 1939, upon an application filed February 25, 1939, subsequent to the registration of No. 354,685. It consists of a six-pointed star, apparently colored blue, having below it an inscription in Hebrew characters, the English translation of which, according to the statement in the Commissioner's decision, is "The Aristocrat of the Family."

Whether registration No. 371,161 should have been granted in view of registration No. 354,685, is not a matter of concern here. The record does not disclose any opposition to it and, incidentally, it may be said that the record does not disclose any opposition to the registration involved in No. 354,685, nor any effort to have it cancelled.

However that may be, it is unnecessary to consider here appellant's theory respecting its rights growing out of its earlier registrations. It invokes them only in support of the contention that they should "resolve any doubt" in its favor, thus, we suppose, attempting to contravene the usual rule that a question of doubt should be resolved against a newcomer. It is unnecessary for us to consider this question because, as we view the situation here, there is no question of doubt respecting the likelihood of confusion as to origin to be resolved one way or the other.

The decision of the Commissioner is affirmed.

Affirmed.

Disclaimers

2,114,939.—*Albert A. Radtke*, Chicago, Ill. METHOD OF AND MEANS FOR OPTICALLY REPRODUCING SOUND. Patent dated April 19, 1938. Disclaimer filed February 21, 1942, by the assignee, *Radtke Patents Corporation*.

Hereby enters this disclaimer to claims 1, 3, 4, 6, 18, 19, 22, 23, 30, 31, 32, 33, 34, 36, 37, 38, 40, 41, 59, 61, 78, 79, and 80.

2,163,651.—*James Herbert Werntz*, Wilmington, Del. MANUFACTURE OF NORMAL, SECONDARY, PENTADECYL SULPHATES. Patent dated June 27, 1939. Disclaimer filed February 16, 1942, by the assignee, *E. I. du Pont de Nemours and Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 10, 11, and 12.

2,199,772.—*George W. Allan* and *Albert H. Simpson*, Brooklyn, N. Y. TYPOGRAPHICAL COMPOSING MACHINE. Patent dated May 7, 1940. Disclaimer filed January 29, 1942, by the assignee, *Intertype Corporation*.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,231,688.—*Burton E. Shaw*, Bristol, Ind. CONTROL FOR REFRIGERANT COMPRESSORS. Patent dated February 11, 1941. Disclaimer filed February 2, 1942, by the inventor; the assignee, *Penn Electric Switch Co.*, approving.

Hereby enters disclaimer to claims 6 and 7.

2,270,165.—*Herbert P. A. Groll*, Berkeley, and *James Burgin*, Oakland, Calif. CATALYST. Patent dated January 13, 1942. Disclaimer filed February 21, 1942, by the assignee, *Shell Development Company*.

Hereby enters this disclaimer to so much of claim 5 of said patent as is in excess of the following—

A solid dehydrogenation catalyst which consists of a compound of a metal of the first transition series of the periodic table having an atomic number less than twenty-five and an activated alumina possessing the physical structure and surface characteristics of the "activated alumina" of commerce, the transition series metal compound being incorporated in the surface of the activated alumina and representing about 0.5% to about 10% by weight of the catalyst mass.

To so much of claim 6 as is in excess of the following—

A solid catalyst material which consists of at least one compound of a metal of the first transition series of the periodic table having an atomic number less than twenty-five and an activated alumina possessing the physical structure and surface characteristics of the "activated alumina" of commerce, the transition series metal compound being present in substantial but lesser amount than the activated alumina and incorporated in the surface of the activated alumina.

To so much of claim 7 as is in excess of the following—

A solid catalyst material which consists of at least one metal of the first transition series of the periodic table having an atomic number less than twenty-five and an activated alumina possessing the physical structure and surface characteristics of the "activated alumina" of commerce, the transition series metal being present in substantial but lesser amount than the activated alumina and incorporated in the surface of the activated alumina.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 17, 1942

[VOL. 536. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 448,154. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 27, 1941.

MARY'S LAMB

FOR WOOL BATTING OR WOOL BATTS.
Claims use since Oct. 9, 1939.

Ser. No. 448,277. BLOCK COAL AND COKE COMPANY, INC., Knoxville, Tenn. Filed Oct. 31, 1941.

"FLOWER OF SOUTHERN COALS"

No claim is made to the words "Southern Coals" apart from the mark.
FOR COAL.
Claims use since Jan. 1, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 450,141. NEW ENGLAND CALENDAR COMPANY, Boston, Mass. Filed Jan. 10, 1942.



The word "Kit" is disclaimed apart from the mark.
FOR EMPTY FIRST AID CASES MADE OF LEATHER, SIMULATED LEATHER, FABRICS, PAPER, PLASTICS, WOOD, AND METAL.
Claims use since Dec. 15, 1941.

Ser. No. 450,477. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Jan. 26, 1942.

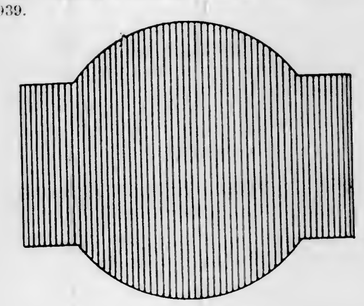
Whimsey

FOR WOMEN'S HANDBAGS.
Claims use since Dec. 15, 1941.

CLASS 4

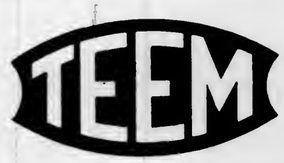
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 424,518. CLAUDE H. HOOVER, doing business as C-Lite Chemical Products, Goshen, Ind. Filed Oct. 13, 1939.



The drawing is lined for red.
FOR LIQUID PREPARATION FOR CLEANING AND POLISHING GLASS AND METAL.
Claims use since Aug. 28, 1937.

Ser. No. 448,978. MIRACLE INDUSTRIES, Chicago, Ill. Filed Nov. 27, 1941.



FOR SYNTHETIC FORM OF SUBSTITUTE SOAP FOR GENERAL WASHING PURPOSES.
Claims use since Sept. 3, 1941.

Ser. No. 449,700. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Dec. 22, 1941.

Flea Insurance Kit

No claim is made to the words "Flea" and "Kit" apart from the mark.

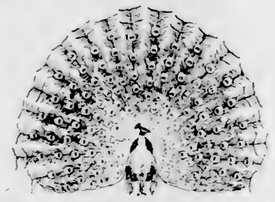
FOR FLEA SOAP.

Claims use since May 13, 1941.

CLASS 5

ADHESIVES

Ser. No. 449,389. PEACOCK LABORATORIES, INC., Philadelphia, Pa. Filed Dec. 11, 1941.



FOR LIQUID ADHESIVE HAVING A SHELLAC BASE PREPARED ESPECIALLY FOR ATTACHING CORK, FELT, CARDBOARD, OR SIMILAR MATERIALS TO THE BACKS OF MIRRORS.

Claims use since Nov. 3, 1941.

Ser. No. 450,174. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 13, 1942.

CASCOLA

FOR LABEL GLUE.

Claims use since Dec. 27, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 429,549. THE BUBBOBATH COMPANY, Minneapolis, Minn. Filed Mar. 13, 1940.

Hollywood BUBBOBATH

The words "Hollywood" and "Bath" are disclaimed apart from the mark.

FOR A CHEMICAL WATER SOFTENER AND FOAMING AGENT.

Claims use since Dec. 6, 1938.

Ser. No. 445,352. JOSEPH CORTEZ, doing business as Colloid's Research Company, New York, N. Y. Filed July 15, 1941.

BIOFILAN

FOR MULTIPLE VITAMIN COMPOUNDS COMBINED WITH CHLOROPHYL IN CAPSULE AND/OR TABLET FORM.

Claims use since Feb. 15, 1941.

Ser. No. 445,548. FRANKLIN LABORATORIES, INC., Hackettstown, N. J. Filed July 22, 1941.

KERATOGEN

FOR PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF SKIN DISEASES AND AILMENTS.

Claims use since July 1, 1941.

Ser. No. 446,572. THE HENEPH CORPORATION, New York, N. Y. Filed Aug. 27, 1941.

HEPS

FOR MEDICINAL TABLET FOR THE RELIEF OF STOMACH DISTRESS.

Claims use since March, 1941.

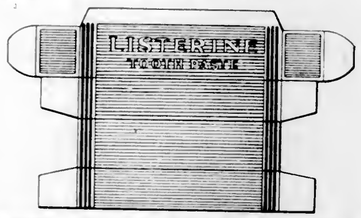
Ser. No. 447,631. RUPERT COX, doing business under the name of Speed-Eez Company, Raleigh, N. C. Filed Oct. 9, 1941.

SPEED-EEZ

FOR HEADACHE POWDERS.

Claims use since January, 1941.

Ser. No. 448,974. LAMBERT PHARMACAL COMPANY, Wilmington, Del. Filed Nov. 27, 1941.



The trade-mark consists of the words "Listerine" Tooth Paste and a series of four (4) oblong panels and two (2) end closures of bright blue color, the panels carrying at each end three (3) narrow stripes of white and the closures being outlined with a border of white, as shown displayed on a carton. In the drawing the cross-hatching is intended to indicate the described color combination of the carton which is particularly claimed, but no claim is made to the exclusive use of the representation of a carton per se or the words "Tooth Paste."

FOR TOOTH PASTE.

Claims use since April, 1938.

Ser. No. 449,773. IRRESISTIBLE, INC., Jersey City, N. J. Filed Dec. 26, 1941.

SUGAR AND SPICE

Applicant disclaims the word "Spice" apart from the mark.

FOR COLOGNE, TOILET WATER, PERFUME, BUBBLE BATH PREPARATION, BATH POWDER, BATH SALTS, FACE POWDER, AND DEODORANTS.

Claims use since Dec. 16, 1941.

Ser. No. 449,959. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Jan. 2, 1942.

ESCO

WAX SOLVENT

No claim is made to the words "Wax Solvent" apart from the mark.

FOR PREPARATION FOR THE SOFTENING OF WAXES AND WOUND FILLERS PARTICULARLY ADAPTED FOR USE IN THE EMBALMING TRADE.

Claims use since Apr. 25, 1941.

Ser. No. 450,192. DERMETICS, INC., Seattle, Wash. Filed Jan. 14, 1942.

BEAUTY FROM WITHIN

The word "Beauty" is disclaimed apart from the association shown.

FOR TOILET PREPARATIONS — NAMELY, OILS AND BLENDS OF OILS FOR THE SKIN, CREAMS AND LOTIONS FOR THE SKIN, STIMULANTS FOR BLOOD CIRCULATION, ASTRINGENTS, FACE POWDERS, SKIN ROUGES, LIPSTICKS AND LIP ROUGES, AND BODY DEODORANTS.

Claims use since Oct. 25, 1941.

Ser. No. 450,193. DERMETICS, INC., Seattle, Wash. Filed Jan. 14, 1942.

BEAUTY MANAGEMENT

The word "Beauty" is disclaimed apart from the association shown.

FOR TOILET PREPARATIONS — NAMELY, OILS AND BLENDS OF OILS FOR THE SKIN, CREAMS AND LOTIONS FOR THE SKIN, STIMULANTS FOR BLOOD CIRCULATION, ASTRINGENTS, FACE POWDERS, SKIN ROUGES, LIPSTICKS AND LIP ROUGES, AND BODY DEODORANTS.

Claims use since Oct. 25, 1941.

Ser. No. 450,194. DERMETICS, INC., Seattle, Wash. Filed Jan. 14, 1942.

Travelite

FOR TOILET PREPARATIONS — NAMELY, OILS AND BLENDS OF OILS FOR THE SKIN, CREAMS AND LOTIONS FOR THE SKIN, STIMULANTS FOR BLOOD CIRCULATION, ASTRINGENTS, FACE POWDERS, SKIN ROUGES, LIPSTICKS AND LIP ROUGES, AND BODY DEODORANTS, PUT UP IN PACKAGES CONTAINING TWO OR MORE OF THE PREPARATIONS TO WHICH THE TRADE-MARK IS APPLIED.

Claims use since Nov. 13, 1941.

Ser. No. 450,399. MCDONALD BIOCHEMIC LABORATORIES LIMITED, Toronto, Ontario, Canada. Filed Jan. 22, 1942.

DENTROX

FOR ORAL PROPHYLACTIC.

Claims use since Nov. 30, 1940.

Ser. No. 450,400. MCDONALD BIOCHEMIC LABORATORIES LIMITED, Toronto, Ontario, Canada. Filed Jan. 22, 1942.

ENTROX

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF DIABETIC GANGRENE, MASTOID ANTRUM AND SINUS INFECTION BY INJECTION OR TOPICAL APPLICATIONS.

Claims use since May 14, 1940.

Ser. No. 450,423. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed Jan. 23, 1942.

ALERT

FOR LIQUID NAIL POLISH.

Claims use since Dec. 15, 1941.

Ser. No. 450,435. JEAN VIVAUDOU COMPANY, INC., New York, N. Y. Filed Jan. 23, 1942.

Nikki

FOR TOILET WATER; BATH ESSENCE, SACHETS, COLOGNE, BATH SALTS, FACE POWDERS, AND FACE CREAM.

Claims use since November, 1934.

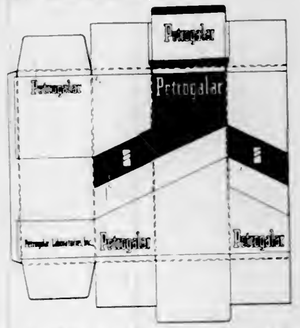
Ser. No. 450,437. S. C. WELLS & COMPANY, Le Roy, N. Y. Filed Jan. 23, 1942. Under 10-year proviso.

SHILOH

FOR PREPARATION FOR THE RELIEF OF COUGHS DUE TO COLDS.

Claims use since 1873.

Ser. No. 450,517. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.

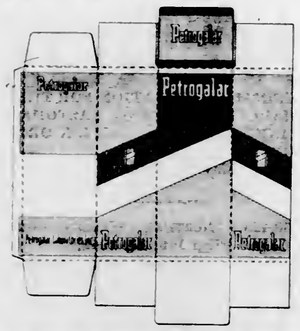


No claim is made to the outline of a carton per se.

FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.

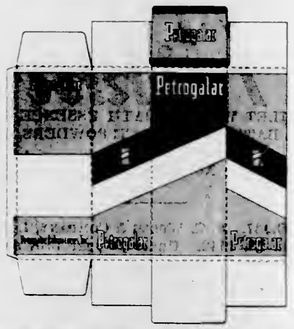
Claims use since July 25, 1941.

Ser. No. 450,518. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.



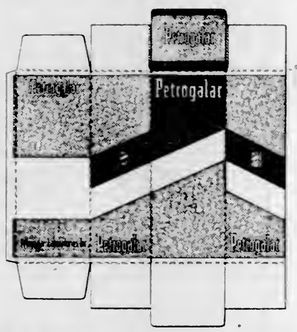
FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.
Claims use since July 25, 1941.

Ser. No. 450,519. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.



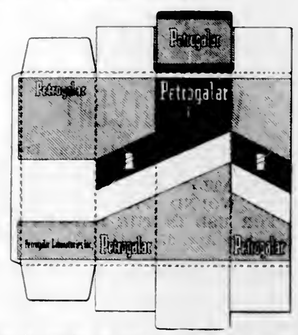
FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.
Claims use since July 25, 1941.

Ser. No. 450,520. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.



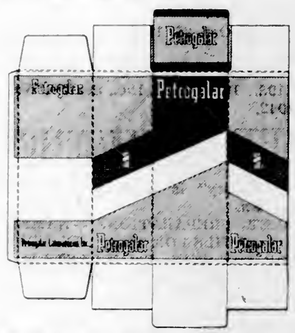
No claim is made to the outline of a carton per se. The drawing is lined for black and orange.
FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.
Claims use since July 25, 1941.

Ser. No. 450,521. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.



No claim is made to the outline of a carton per se. The drawing is lined to indicate black and green.
FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.
Claims use since July 25, 1941.

Ser. No. 450,522. PETROGALAR LABORATORIES, INC., Chicago, Ill. Filed Jan. 27, 1942.



No claim is made to the outline of the carton per se. The drawing is lined for black and brown.
FOR AQUEOUS SUSPENSION OF MINERAL OIL FOR THE TREATMENT OF CONSTIPATION.
Claims use since July 25, 1941.

Ser. No. 450,527. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Jan. 28, 1942.

AIRCO

FOR RARE GASES—NAMELY, ARGON, NEON, HELIUM, XENON, AND KRYPTON, AND MIXTURES.
Claims use since November, 1920.

Ser. No. 450,533. CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Filed Jan. 28, 1942.

ANIM-Ā

No claim is made to the letter "A" apart from the mark.
FOR FISH LIVER OIL CONTAINING VITAMIN A.
Claims use since Sept. 26, 1940.

Ser. No. 450,685. W. H. PLUNKETT, doing business as Plunkett Chemical Company, Chicago, Ill. Filed Feb. 3, 1942.

HYDROCLEAN

FOR SOLVENT FOR REMOVING DISCOLORATIONS AND SCALE FROM PIPES, PLUMBING FIXTURES, OR OTHER SURFACES.
Claims use since June 1, 1910.

Ser. No. 450,686. W. H. PLUNKETT, doing business as Plunkett Chemical Company, Chicago, Ill. Filed Feb. 3, 1942.

KLENZINE

FOR DRAIN PIPE CLEANER.
Claims use since June 1, 1930.

Ser. No. 450,689. W. H. PLUNKETT, doing business as Plunkett Chemical Company, Chicago, Ill. Filed Feb. 3, 1942.

P C

FOR DISINFECTANT, INSECTICIDE, SOLVENT FOR REMOVING DISCOLORATIONS AND SCALE FROM PIPES, PLUMBING FIXTURES, OR OTHER SURFACES, DISINFECTANT WITH CLEANSING PROPERTIES, AND SKIN CONDITIONER FOR ANIMALS.
Claims use on disinfectants and insecticides since about June 1, 1908; on solvent for removing discolorations and scale from pipes, plumbing fixtures, or other surfaces, since about June 1, 1910; on disinfectant with cleansing properties since about June 1, 1920; and on skin conditioner for animals since about June 1, 1941.

Ser. No. 450,701. PETER VOSS, Washington, D. C. Filed Feb. 3, 1942.

KHROFF'S

FOR OINTMENT, RECTAL OINTMENT, DRAWING SALVE, FOOT POWDER, AND HERB TEA LAXATIVE.
Claims use since Oct. 1, 1941.

Ser. No. 450,741. PRICE FLAVORING EXTRACT CO., Chicago, Ill. Filed Feb. 4, 1942.



The representation of the boy is fanciful.
FOR FOOD COLORS.
Claims use since Nov. 26, 1941.

Ser. No. 450,747. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Feb. 4, 1942.

GLYSENNID

FOR MEDICINAL PREPARATION RECOMMENDED FOR USE AS A LAXATIVE AND FOR REGULATORY EFFECT IN CONSTIPATION.
Claims use since Jan. 28, 1942.

Ser. No. 450,756. CLAUDE R. WADLINGTON CO., Hopkinsville, Ky. Filed Feb. 4, 1942.

TOM-KIN-WAD

FOR OINTMENT FOR THE TREATMENT OF CONGESTION OF NASAL PASSAGES CAUSED BY COMMON COLDS AND SINUS IRRITATIONS, AND WHICH IS ALSO USEFUL IN THE TREATMENT OF CUTS, SCRATCHES, FROST BITES, AND MINOR SKIN IRRITATIONS.
Claims use since Nov. 5, 1941.

Ser. No. 450,788. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

TRIBROMAURO

FOR SEDATIVE USED IN THE TREATMENT OF PERTUSSIS.
Claims use since Oct. 18, 1934.

Ser. No. 450,789. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

URACEL

FOR PREPARATION FOR THE TREATMENT OF ANTI-ARTHRITIC AND ANTI-RHEUMATIC CONDITIONS.
Claims use since Sept. 6, 1933.

Ser. No. 450,791. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

VICALIRON

FOR PREPARATION TO SUPPLY IRON, CALCIUM, PHOSPHORUS AND VITAMIN D, WHEREVER A DEFICIENCY OF THESE ELEMENTS OCCURS, BUT PRINCIPALLY FOR USE IN PRENATAL TREATMENT WHEN A GREAT DRAIN ON THESE ELEMENTS OCCURS.
Claims use since May 13, 1940.

Ser. No. 450,792. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

VITACHOLINE

FOR EPITHELIAL STIMULANT USED IN THE TREATMENT OF ULCERS.
Claims use since July 2, 1936.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 449,887. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 31, 1941. Under section 5b of the act of 1905 as amended in 1920.

BRADLEY'S

FOR DRAWING INK, HECTOGRAPH INK, WRITING FLUID, RECORD INK, BLOCK PRINTING INK, STAMP PAD INK, STAMP PADS.
Claims use since July 3, 1931.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 444,974. NATIONAL LEAD COMPANY, New York, N. Y. Filed June 30, 1941.

MICATEX

FOR MICA PRODUCT COMPRISING MICA IN COMMINUTED FORM FOR USE IN THE PREPARATION AND TREATMENT OF WELL DRILLING FLUIDS.
Claims use since Feb. 17, 1941.

Ser. No. 447,782. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y. Filed Oct. 14, 1941.

KEL-BLOC

The word "Bloc" is disclaimed apart from the mark.
FOR HIGH-TEMPERATURE INSULATING BLOCK.
Claims use since May 23, 1941.

Ser. No. 449,252. THE CAMBRIDGE TILE MANUFACTURING CO., Cincinnati, Ohio. Filed Dec. 8, 1941.

Suntile

FOR CERAMIC, CLAY WALL TILE, GLAZED AND UNGLAZED.
Claims use since Mar. 1, 1936.

Ser. No. 449,253. COLONIAL FIREPLACE CO., Chicago, Ill. Filed Dec. 8, 1941.

VERS-O-TILE

No claim is made to the word "Tile" except as shown.
FOR WALL COVERINGS AND CONSTRUCTION MATERIAL SIMULATING TILE.
Claims use since Dec. 1, 1941.

Ser. No. 449,809. THE F. C. RUSSELL COMPANY, Cleveland, Ohio. Filed Dec. 27, 1941.

Thermoseal

FOR COMBINATION SCREEN AND STORM WINDOWS.
Claims use since Sept. 1, 1940.

Ser. No. 449,852. CROSS, AUSTIN & IRELAND LUMBER COMPANY, Brooklyn, N. Y. Filed Dec. 30, 1941.

CAILCO

FOR LUMBER, PLY WOOD, AND SPECIAL MILLWORK.
Claims use since Nov. 22, 1941.

Ser. No. 449,880. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Dec. 31, 1941.

CUSHIONTONE

FOR FIBROUS ACOUSTICAL INSULATING MATERIAL.
Claims use since July 21, 1941.

Ser. No. 449,991. GOSHEN VENEER CO., Goshen, Ind. Filed Jan. 5, 1942.

PLASTICITE

FOR WOOD VENEERS OF THE NATURE OF LAMINATED WOOD BONDED BY THERMO PLASTICS.
Claims use since Dec. 17, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 449,115. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 3, 1941.

BACO-SOL

FOR FURNITURE CASTER WHEELS.
Claims use since Aug. 1, 1941.

Ser. No. 450,337. CARL MUELLER, doing business as Mueller Specialty Mfg., Co., Chicago, Ill. Filed Jan. 20, 1942.

MILLOK

FOR METAL PIPE FITTINGS.
Claims use since December, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 449,400. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Dec. 11, 1941.

convoy

FOR MOTOR OILS.
Claims use since Nov. 26, 1941.

Ser. No. 449,576. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Dec. 18, 1941.

SENTINEL BRAND

The word "Brand" is disclaimed apart from the mark.
FOR CANDLES, VOTIVE, SANCTUARY, AND TABERNACLE LIGHTS MADE OF OILS, GREASES, FATS, AND/OR WAXES SIMILAR TO CANDLES.
Claims use since Dec. 15, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 445,409. DOWTY EQUIPMENT CORPORATION, New York, N. Y. Filed July 17, 1941.

DOWTY

FOR AIRCRAFT LANDING GEAR.
Claims use since May 31, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 449,532. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Dec. 17, 1941.

AIRCO

FOR HIGH-VOLTAGE INDICATORS COMPRISING NEON DISCHARGE TUBES USED TO INDICATE PRESENCE OF HIGHLY CHARGED CABLES.
Claims use since June 24, 1924.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 442,567. S. B. NOVELTY CO. INC., New York, N. Y. Filed Apr. 14, 1941.

SLIDE-O-BATH

Applicant disclaims the word "Bath" apart from the mark.
FOR TOY DOLL BATHS.
Claims use since Mar. 21, 1941.

Ser. No. 445,570. FRED BENTLEY, Lansing, Mich. Filed July 23, 1941.

WINGS

FOR BADMINTON SETS.
Claims use since Apr. 17, 1941.

Ser. No. 449,492. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Dec. 15, 1941.

Goldilocks

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 1, 1937.

Ser. No. 449,493. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Dec. 15, 1941.

SUNDAY'S CHILD

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 1, 1940.

Ser. No. 449,495. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Dec. 15, 1941.

POLLY PUT KETTLE ON

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 1, 1940.

Ser. No. 449,496. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Dec. 15, 1941.

LITTLE BO PEEP

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 1, 1937.

Ser. No. 449,497. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Dec. 15, 1941.

December Girl

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 1, 1941.

Ser. No. 449,651. ROBERT W. MUNRO, Cynwyd, Pa. Filed Dec. 20, 1941.

"300"

FOR SIMULATED BOWLING GAMES PLAYED WITH DARTS.
Claims use since Dec. 18, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 447,074. PACIFIC PUMPING COMPANY, San Francisco, Calif. Filed Sept. 16, 1941.

PACIFIC

FOR PUMPS—NAMELY, THOSE FOR WATER SYSTEMS, JET PUMPS, CENTRIFUGAL PUMPS, VERTICAL PUMPS, SUMP PUMPS, SEWAGE PUMPS, CELLAR DRAINS, AND PUMP ACCESSORIES.
Claims use since June 15, 1914.

Ser. No. 448,821. THE DORR COMPANY, INC., New York, N. Y. Filed Nov. 22, 1941.

HYDRO-TREATOR

FOR APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR AGITATING AND CLARIFYING APPARATUS.
Claims use since Jan. 2, 1941.

Ser. No. 449,347. KEYES FIBRE COMPANY, Waterville, Maine. Filed Dec. 10, 1941.

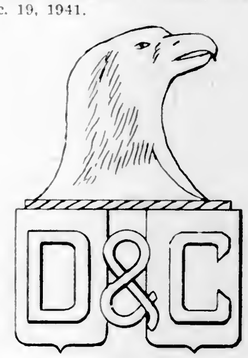


FOR MOLDED RESIN BEARING FIBROUS FRAMES, COVERS AND MISCELLANEOUS DETAIL PARTS FOR TYPEWRITERS, ADDING MACHINES, CALCULATING MACHINES, AND LIKE BUSINESS MACHINES.
Claims use since Oct. 28, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 449,602. DIEGES & CLUST, New York, N. Y. Filed Dec. 19, 1941.



FOR MEDALS AND BADGES; RINGS; SERVICE, CLUB, SCHOOL, AND FRATERNITY PINS; CHARMS AND JEWELRY; AND PRIZE AND LOVING CUPS; ALL MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use on medals and badges made of or plated with precious metal, since June 1, 1921; and on rings; service, club, school, and fraternity pins; fraternity keys; charms and jewelry; and prize and loving cups—all made of or plated with precious metal—since September, 1923.

CLASS 29

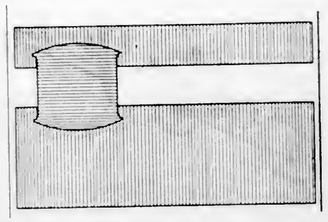
BROOMS, BRUSHES, AND DUSTERS

Ser. No. 450,033. STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed Jan. 6, 1942.

CLOVERLEAF

FOR MOPS.
Claims use since April, 1937.

Ser. No. 449,922. RUBON WOODFINISHING AND PRODUCTS COMPANY, Kansas City, Mo. Filed Dec. 31, 1941.



The shading on the drawing is to indicate different colors rather than specific colors.
FOR FLOOR MOPS, DUSTERS, AND DUST CLOTHS.
Claims use since Dec. 19, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 450,409. THE VICTORY SALES AGENCY, Butte, Mont. Filed Jan. 22, 1942.

THE VICTORY STORE

FOR MERCHANDISE CABINETS.
Claims use since Jan. 2, 1942.

Ser. No. 450,497. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Filed Jan. 26, 1942.

"YOUR DAY BEGINS THE NIGHT BEFORE"

FOR MATTRESSES.
Claims use since Nov. 1, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 446,215. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Filed Aug. 13, 1941.



FOR PISTON RINGS.
Claims use since Aug. 8, 1941.

Ser. No. 450,084. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Jan. 8, 1942.

WABCO

The monogram forming a feature of the mark represents the letters "W" and "A" interwoven or combined.
FOR PACKINGS FOR PISTONS—NAMELY, BRAKE CYLINDER PISTON PACKINGS COMPOSED OF A COMPOSITION RUBBER BASE AND FABRIC; AND FOR GASKETS AND FLEXIBLE DIAPHRAGMS OF THE TYPES EMPLOYED IN FLUID PRESSURE BRAKE CHAMBERS, BRAKE VALVE DEVICES, RELAY VALVES, TRIPLE VALVES, UNIVERSAL VALVES, CUT-OFF VALVES, PILOT VALVES, SIGNAL VALVES, COMPRESSOR GOVERNORS, BRAKE CONTROL VALVES, FLUID PRESSURE SWITCHES, APPLICATION VALVES, RELEASE VALVES, FEED VALVES, REDUCING VALVES, TRAIN CONTROL VALVES, ACCELERATOR VALVES, AND FOOT OPERATED CONTROL VALVES.
Claims use since Nov. 1, 1920.

Ser. No. 450,545. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Jan. 28, 1942.

VICTORIA

FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since Jan. 2, 1942.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 449,448. DUOTONE COMPANY, INC., New York, N. Y. Filed Dec. 13, 1941.

DURPOINT

FOR PHONOGRAPH NEEDLES.
Claims use since Nov. 1, 1940.

Ser. No. 449,450. DUOTONE COMPANY, INC., New York, N. Y. Filed Dec. 13, 1941.

Lifetone

FOR PHONOGRAPH NEEDLES.
Claims use since Nov. 1, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 449,864. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1941.

AVALON

FOR WAXED PAPER.
Claims use since December, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 449,077. THE DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Dec. 1, 1941.

Nostradamus

FOR PRINTED PUBLICATIONS ISSUED PERIODICALLY—NAMELY, BIRTHDAY FORECASTS.
Claims use since Nov. 26, 1941.

CLASS 39

CLOTHING

Ser. No. 445,498. KERRY CRICKET INC., St. Louis, Mo. Filed July 19, 1941.

"MICKEY FINN"

FOR LADIES', MISSES', AND CHILDREN'S DRESSES, SKIRTS, JACKETS, SHIRTS, BLOUSES, AND SLACKS.
Claims use since December, 1940.

Ser. No. 446,225. HENRI BENDEL, INC., New York, N. Y. Filed Aug. 14, 1941.

YOUNG-TIMERS

FOR GIRLS', MISSES' AND WOMEN'S COATS, SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THE SAME, FUR COATS, FUR SCARVES, FUR JACKETS, AND FUR MUFFS, BLOUSES, FUR HATS, CORSETS, SWEATERS, HANDKERCHIEFS, SCARFS, TAMS, SUITS AND DRESSES.
Claims use since Aug. 7, 1941.

Ser. No. 446,699. LOLA HAT, INC., New York, N. Y. Filed Aug. 30, 1941.

LOTEX-VELVO

FOR LADIES' HATS.
Claims use since January, 1941.

Ser. No. 447,088. ABBY BEVERIDGE BAUM, Seattle, Wash. Filed Sept. 17, 1941.



The words "Ziska Sack" are disclaimed apart from the mark.
FOR INFANTS' OVERALL SACKS.
Claims use since Mar. 1, 1941.

Ser. No. 449,022. FRED B. SALOMON, doing business as Stein & Salomon, Chicago, Ill. Filed Nov. 28, 1941.

Bobby Jean

FOR LADIES' AND MISSES' COATS, LADIES' AND MISSES' SUITS.
Claims use since July 10, 1935.

Ser. No. 449,515. BYER-ROLNICK COMPANY, Garland, Tex. Filed Dec. 16, 1941.

GLYCO-TITE

No claim is made to the word "Tite" apart from the mark.
FOR MEN'S HATS.
Claims use since August, 1933.

Ser. No. 449,652. PINCUS & TOBIAS, INC., New York, N. Y. Filed Dec. 20, 1941.

Hobnail Urbanites

The word "Hobnail" is disclaimed apart from the mark.
FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Oct. 1, 1941.

Ser. No. 449,672. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Dec. 22, 1941.

Dottie Debs

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF THESE MATERIALS.
Claims use since Oct. 25, 1941.

Ser. No. 450,147. STIX, BAER AND FULLER COMPANY, St. Louis, Mo. Filed Jan. 10, 1942.

Grandlee

FOR LADIES' AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Jan. 2, 1942.

Ser. No. 450,208. LIEBERMAN SHOE CORPORATION, Brooklyn, N. Y. Filed Jan. 14, 1942.

JESTER

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Dec. 5, 1941.

Ser. No. 450,279. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed Jan. 17, 1942.

Permatwist

FOR LADIES' HOSIERY.
Claims use since Oct. 31, 1941.

Ser. No. 450,282. DORIS MILLER, INC., New York, N. Y. Filed Jan. 17, 1942.

Bracalot

FOR LADIES' UNDERWEAR—NAMELY, SLIPS.
Claims use since Jan. 14, 1942.

Ser. No. 450,323. UTICA KNITTING COMPANY, Utica, N. Y. Filed Jan. 19, 1942.

New Day

FOR MEN'S KNITTED UNDERWEAR.
Claims use since Sept. 25, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 442,860. J. R. BUX & SON, Philadelphia, Pa. Filed Apr. 23, 1941.

TEXCEL

FOR RIBBONS WOVEN OF SILK AND COTTON AND RAYON AND COTTON IN THE PIECE.
Claims use since July 8, 1939.

Ser. No. 447,365. CROMPTON COMPANY, West Warwick, R. I. Filed Sept. 27, 1941.

VITAROY

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF.
Claims use since Sept. 10, 1941.

Ser. No. 449,116. CHAS. BERNSTEIN & SON, INC., New York, N. Y. Filed Dec. 3, 1941.

Cordu-Royal

FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since July 16, 1941.

Ser. No. 449,121. CANTOR-GREENSPAN CO., INC., doing business as Labtex Fabrics, New York, N. Y. Filed Dec. 3, 1941.



FOR SPUN RAYON PIECE GOODS.
Claims use since Feb. 1, 1941.

Ser. No. 449,320. H. A. GITLIN & CO., New York, N. Y. Filed Dec. 9, 1941.

TWINRIPEL

FOR LINING FABRICS IN THE PIECE OF COTTON, RAYON, AND COMBINATIONS THEREOF, SOLD BY THE YARD.
Claims use since Sept. 3, 1940.

Ser. No. 449,810. SHIRLEY SILK CO., INC., New York, N. Y. Filed Dec. 27, 1941.

MIMI

FOR TEXTILE FABRICS IN THE PIECE, OF SILK, COTTON, RAYON, AND COMBINATIONS THEREOF.
Claims use since Dec. 2, 1940.

Ser. No. 450,156. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed Jan. 12, 1942.

COMMANDO

FOR SPUN RAYON PIECE GOODS.
Claims use since Dec. 5, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 450,245. PURITAN CORDAGE MILLS, Louisville, Ky. Filed Jan. 15, 1942.

MACCO

FOR MOP YARN.
Claims use since 1928.

Ser. No. 450,246. PURITAN CORDAGE MILLS, Louisville, Ky. Filed Jan. 15, 1942.

OTTER

FOR MOP YARN.
Claims use since 1928.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 440,616. RALPH BIXBY, St. Louis, Mo. Filed Feb. 13, 1941.

Thursday Night

FOR CANNED GOODS OR CANNED FOODS—NAMELY, SOUPS, CHICKEN LIVERS; BREAKFAST FOODS—NAMELY, OATMEAL AND CRACKED WHEAT, SHRIMP CREOLE, CORN MEAL, RICE PUDDING, AND CELERY HEARTS.
Claims use since Dec. 17, 1940.

Ser. No. 443,679. ARDEN FARMS CO., Los Angeles, Calif. Filed May 19, 1941.

SUNFREZETT

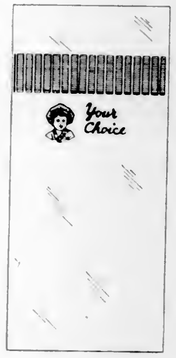
FOR DAIRY PRODUCTS—NAMELY, ICE CREAM.
Claims use since Oct. 16, 1937.

Ser. No. 446,795. FARM FEED MANUFACTURING COMPANY, Litchfield, Minn. Filed Sept. 5, 1941.

PRO-VID-ALL

FOR POULTRY, CATTLE, AND STOCK FEEDS.
Claims use since January, 1941.

Ser. No. 449,371. GOOCH FOOD PRODUCTS COMPANY, Lincoln, Nebr. Filed Dec. 11, 1941.



The drawing is lined for blue and the picture is fanciful. The representation of the container is disclaimed.
FOR SELF-RISING BUCKWHEAT FLOUR, SELF-RISING WHOLE WHEAT PANCAKE FLOUR, AND SELF-RISING PANCAKE FLOUR.
Claims use since Sept. 5, 1941.

Ser. No. 449,489. KING'S TAVERN, Reading, Ohio. Filed Dec. 15, 1941.

CHICKEN IN THE COOP

No claim is made to the word "Chicken" apart from the mark.
FOR PACKAGED MEALS INCLUDING CHICKEN AND POTATOES.
Claims use since Aug. 21, 1941.

Ser. No. 449,637. CALIFORNIA MILLING CORPORATION, Los Angeles, Calif. Filed Dec. 20, 1941.

"FORTIFIED FOR HOME DEFENSE"

The word "Fortified" is disclaimed apart from the mark.
FOR WHEAT FLOUR.
Claims use since Sept. 12, 1941.

Ser. No. 449,998. NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed Jan. 5, 1942.



FOR YEAST.
Claims use since Oct. 25, 1883.

Ser. No. 450,248. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 15, 1942.

SOUPWAY

FOR SOUP MIXTURE.
Claims use since Jan. 12, 1942.

CLASS 47

WINES

Ser. No. 444,651. NAPA & SONOMA WINE CO., San Francisco, Calif. Filed June 18, 1941.





No claim is made to the word "Green" or to the representations of the labels apart from the mark.
FOR WINES.
Claims use since 1910.

Ser. No. 448,855. MANUEL ROMERO DE ARANDA, Jerez de la Frontera, Spain. Filed Nov. 24, 1941.



Applicant disclaims the word "Jerez" apart from the mark.
FOR WINES.
Claims use since April, 1913.

Ser. No. 449,598. CAMEO VINEYARDS COMPANY, Fresno, Calif. Filed Dec. 19, 1941.

MONESTIER

FOR WINES.
Claims use since Oct. 23, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 445,747. NORTH AMERICAN BREWING COMPANY, Brooklyn, N. Y. Filed July 29, 1941.



The word "Quality" is disclaimed apart from the mark.
FOR BEER.
Claims use since June 16, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 449,005. E. & J. GALLO WINERY, Modesto, Calif. Filed Nov. 28, 1941.

Cream of California

No claim is made to the word "California" apart from the mark.
FOR BRANDY.
Claims use since Nov. 14, 1941.

Ser. No. 449,599. CAMEO VINEYARDS COMPANY, Fresno, Calif. Filed Dec. 19, 1941.

MONESTIER

FOR BRANDY.
Claims use since Oct. 23, 1941.

Ser. No. 450,168. WALTER J. MULLIGAN, doing business as W. J. Mulligan & Co., San Francisco, Calif. Filed Jan. 12, 1942.

TOMBA

FOR BRANDY.
Claims use since Dec. 22, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 438,630. RUBBER PRODUCTS, INC., Chicago, Ill. Filed Dec. 7, 1940.

RUBBERLITE

FOR RUBBER FORMS, SIMULATING PARTS OF THE HUMAN ANATOMY, USED IN THE DISPLAY OF WEARING APPAREL.
Claims use since July, 1936.

Ser. No. 442,568. SCARBOROUGH TESTING GARDENS, INC., Scarborough, N. Y. Filed Apr. 14, 1941.

PLANTCUBATOR

FOR SEED GERMINATING BOX OR CONTAINER PROVIDED WITH SMALL CELLS FILLED WITH PLANT PROPAGATING MATERIAL.
Claims use since Mar. 15, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 24, 1942

394,016. PUDDING POWDER ICE CREAM, FRUIT ICES, COCOA, CHOCOLATE SYRUPS, CHOCOLATE MALT, CHOCOLATE MILK, CHOCOLATE EXTRACT, AND BAKING CHOCOLATE. SCHOKOLADENFABRIK MAUXION M. B. H., Saalfeld, Germany.
Filed February 27, 1937. Serial No. 389,479. PUBLISHED NOVEMBER 25, 1941. Class 46.

394,017. WHISKEY. JACK DANIEL DISTILLERY, LEM MOTLOW, PROP., INC., Lynchburg, Tenn.
Filed March 8, 1940. Serial No. 429,345. PUBLISHED MARCH 11, 1941. Class 49.

394,018. WHISKEY. JACK DANIEL DISTILLERY, LEM MOTLOW, PROP., INC., Lynchburg Tenn.
Filed March 15, 1940. Serial No. 429,602. PUBLISHED JULY 2, 1940. Class 49.

394,019. HOT TINNING COMPOUND. GLASER LEAD COMPANY, INC., Brooklyn, N. Y.
Filed May 29, 1940. Serial No. 432,468. PUBLISHED JANUARY 6, 1942. Class 6.

394,020. FOOD COMPOSITION CONSISTING OF THE FOWL MEAT FINELY GROUND AND MIXED WITH A DRESSING INCLUDING THE MINCED HEART, LIVER, ETC. ELMER A. WHITE, Hartford, Conn.
Filed August 17, 1940. Serial No. 435,102. PUBLISHED DECEMBER 31, 1940. Class 46.

394,021. AIRPLANES AND STRUCTURAL PARTS THEREOF. AVIATION MANUFACTURING CORPORATION, New York, N. Y., Wayne, Mich., Nashville, Tenn., and Williamsport, Pa., assignor to Vultee Aircraft, Inc., a corporation of Delaware.
Filed August 19, 1940. Serial No. 435,112. PUBLISHED JANUARY 6, 1942. Class 19.

394,022. MERCHANDISE ENVELOPES, CARTONS AND MAILING TUBES. WALTER F. KINNUCAN, doing business as Letter Fly Company, Chicago, Ill.
Filed August 30, 1940. Serial No. 435,549. PUBLISHED JANUARY 6, 1942. Class 2.

394,023. WOOD FIBER NOVELTIES, METAL SPECIALTIES, AND ADVERTISING DISPLAYS, PARTICULARLY RELIGIOUS FIGURES, ADVERTISING FIGURES, PLAQUES, STATUES, AND ORNAMENTAL ANIMAL FIGURES OF ALL KINDS. PROTECTOSEAL COMPANY OF AMERICA, INC., doing business as Multi Products Co., Chicago, Ill.
Filed Oct. 3, 1940. Serial No. 436,628. PUBLISHED JANUARY 6, 1942. Class 50.

394,024. CATSUP, PEANUT BUTTER, GRAPE JAM, OLIVES, PICKLES, SYRUP MADE OF SUGAR, CANNED VEGETABLES, ETC. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa.
Filed October 8, 1940. Serial No. 436,744. PUBLISHED JANUARY 6, 1942. Class 46.

394,025. DOG FOODS, POULTRY FOODS, STOCK FEEDS, DAIRY FEEDS, HORSE FEEDS, CATTLE FEEDS, SHEEP AND HOG FEEDS, AND DRY BEANS. MCLAUGHLIN, WARD & COMPANY, Jackson, Mich.
Filed October 31, 1940. Serial No. 437,448. PUBLISHED JANUARY 6, 1942. Class 46.

394,026. SOUND DEADENING PLASTIC COMPOSITION FOR AUTOMOBILE BODIES AND OTHER METALLIC STRUCTURES. COMPOSITE MATERIALS CORPORATION, Detroit, Mich.
Filed December 19, 1940. Serial No. 439,013. PUBLISHED OCTOBER 7, 1941. Class 12.

394,027. DISPENSING ENVELOPES OF FLEXIBLE SHEET MATERIAL COMPRISING FOIL COATED OR LAMINATED WITH THERMOPLASTIC MATERIAL WITH OR WITHOUT AN INTERLINER—NAMELY, TOBACCO POUCHES. THERMOSEAL PRODUCTS, INC., New York, N. Y.
Filed December 21, 1940. Serial No. 439,083. PUBLISHED JANUARY 6, 1942. Class 8.

394,028. BAKERY PRODUCTS—NAMELY, BISCUIT, CRACKERS, AND WAFERS. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed December 23, 1940. Serial No. 439,121. PUBLISHED DECEMBER 23, 1941. Class 46.

394,029. ADVERTISING DISPLAY STRUCTURES IN THE NATURE OF PANELS. CO-OPERATIVE DISPLAYS, INC., Cincinnati, Ohio.
Filed January 10, 1941. Serial No. 439,538. PUBLISHED DECEMBER 30, 1941. Class 12.

394,030. TRANSPARENT ORGANIC PLASTIC MATERIAL IN THE FORM OF SHEETS OR BLOCKS. POLAROID CORPORATION, Cambridge, Mass.
Filed January 10, 1941. Serial No. 439,555. PUBLISHED JANUARY 6, 1942. Class 50.

394,031. WHEAT FLOUR. CHRISTIANSBURG CANNING CO., INC., Pulaski, Va.
Filed January 30, 1941. Serial No. 440,114. PUBLISHED JUNE 3, 1941. Class 46.

394,032. TRANSPARENT LIQUID WATERPROOF COATING FOR PLYWOOD, LUMBER, AND CONCRETE. HETSON-SOMMERS CO., INC., Brooklyn, N. Y.
Filed February 7, 1941. Serial No. 440,414. PUBLISHED JANUARY 6, 1942. Class 16.

394,033. CERESIN AND OZOKERIT. KARL HIMMELBAUER, doing business as Ceresinfabrik und Wachsraffinérié, Mahrisch-Ostrau, Germany.
Filed February 10, 1941. Serial No. 440,510. PUBLISHED DECEMBER 2, 1941. Class 1.

394,034. CHEMICAL WOOD PRESERVATIVES. JAMES W. CARR, Savannah, Ga.
Filed February 13, 1941. Serial No. 440,618. PUBLISHED JANUARY 6, 1942. Class 6.

394,035. MEN'S, WOMEN'S, AND CHILDREN'S HATS, HAT LININGS, SWEAT BANDS, AND CAPS. BRITTANY HAT CO., INC., New York, N. Y.
Filed March 6, 1941. Serial No. 441,276. PUBLISHED JANUARY 6, 1942. Class 39.

394,036. CLEANING FLUID FOR CLOTHING AND OTHER FABRIC. NIAGARA SMELTING CORPORATION, Niagara Falls and New York, N. Y.
Filed March 22, 1941. Serial No. 441,832. PUBLISHED JANUARY 6, 1942. Class 4.

394,037. ACCOUNTING FORMS, INVOICES, PURCHASE ORDERS, SALES RECORDS, SHOP RECORDS, AND VOUCHERS. THE SNAPOUT FORMS COMPANY, Chardon, Ohio.
Filed March 31, 1941. Serial No. 442,147. PUBLISHED JANUARY 6, 1942. Class 37.

394,038. CHEMICAL PREPARATION USED AS A FOOD SUBSTITUTE IN THE PREPARATION OF CREAMY DISHES. H. SCHOPPE & SCHULTZ, Hamburg, Germany.
Filed April 18, 1941. Serial No. 442,730. PUBLISHED DECEMBER 2, 1941. Class 6.

394,039. ELECTRIC HEATING PADS AND ELECTRIC SUN LAMPS. KNAPP-MONARCH COMPANY, doing business as Kwikway Company, St. Louis, Mo.
Filed May 7, 1941. Serial No. 443,331. PUBLISHED JANUARY 6, 1942. Class 44.

394,040. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed May 21, 1941. Serial No. 443,747. PUBLISHED JANUARY 6, 1942. Class 39.

394,041. CAST METAL STORAGE RESERVOIRS AND FABRICATED STEEL STORAGE RESERVOIRS FOR FLUID PRESSURE SYSTEMS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed May 31, 1941. Serial No. 444,109. PUBLISHED JANUARY 6, 1942. Class 2.

394,042. COOLER UNITS AND INTERCOOLERS OF THE TYPE INTERPOSED IN THE LINE BETWEEN A COMPRESSOR AND STORAGE RESERVOIR, ETC. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed May 31, 1941. Serial No. 444,113. PUBLISHED JANUARY 6, 1942. Class 31.

394,043. WOMEN'S AND MISSES' HATS. HOYLAND-LESLIE CO., Chicago, Ill.
Filed June 16, 1941. Serial No. 444,571. PUBLISHED JANUARY 6, 1942. Class 39.

394,044. ROLLING DOORS, ROLLING GRILLES, ROLLING ENCLOSURES, VERTICAL LIFT DOORS, ETC. NORTH AMERICAN IRON & STEEL CO., INC., Brooklyn, N. Y.
Filed June 19, 1941. Serial No. 444,676. PUBLISHED DECEMBER 30, 1941. Class 12.

394,045. TONIC PREPARATION IN LIQUID FORM FOR INTERNAL USE FOR BUILDING UP BODILY RESISTANCE TO DISEASE AND IMPROVING THE BLOOD. TOKUICHI SAKAMOTO, doing business as Sakamoto Store, Waikapu, Territory of Hawaii.
Filed June 26, 1941. Serial No. 444,882. PUBLISHED JANUARY 6, 1942. Class 6.

394,046. BOTTLED SAKE. FUJI SAKE BREWING COMPANY, LIMITED, Honolulu, Territory of Hawaii.
Filed July 23, 1941. Serial No. 445,574. PUBLISHED DECEMBER 30, 1941. Class 47.

394,047. HAIR NETS. MORRIS KATZ, doing business as Manhattan Bootblack Supply Co., New York, N. Y.
Filed August 1, 1941. Serial No. 445,871. PUBLISHED JANUARY 6, 1942. Class 39.

394,048. SALT AND PEPPER SHAKERS, WOODEN BOWLS, WOODEN TOOTH-PICK HOLDERS, WOODEN MATCH-HOLDERS, WOODEN UTILITY BOXES (SOLD EMPTY), AND WOODEN JAM JARS (SOLD EMPTY). CARL P. SOLLMANN, New York, N. Y.
Filed August 2, 1941. Serial No. 445,903. PUBLISHED JANUARY 6, 1942. Class 2.

394,049. DISTILLED ALCOHOLIC LIQUORS SPECIFICALLY PISCO. BENEOAS HERMANOS Y COMPAÑIA LIMITADA SOCIEDAD ANÓNIMA INDUSTRIAL Y COMERCIAL, Buenos Aires, Argentina.
Filed August 4, 1941. Serial No. 445,914. PUBLISHED DECEMBER 30, 1941. Class 49.

394,050. PRINTING PAPER, ELECTRIC PAPER, PARCHMENT PAPER, PARCHMENT MANILA, BOOK AND WRITING PAPERS, ENVELOPE PAPERS, WALL PAPER, SOAP WRAPPER PAPER, TABLETS, PRESSBOARD, AND TISSUE PAPER. NEW YORK & PENNSYLVANIA COMPANY, INC., New York, N. Y.
Filed August 4, 1941. Serial No. 445,952. PUBLISHED JANUARY 6, 1942. Class 37.

394,051. PERMANENT HAIR WAVING SOLUTION AND PERMANENT HAIR WAVING CREAM. SAMUEL BONAT & BRO., New York, N. Y.
Filed August 6, 1941. Serial No. 446,015. PUBLISHED JANUARY 6, 1942. Class 6.

394,052. DISINFECTANT. JOHN CARLE & SONS, INC., New York, N. Y.
Filed August 7, 1941. Serial No. 446,042. PUBLISHED JANUARY 6, 1942. Class 6.

394,053. SALVE USED FOR THE TREATMENT OF ATHLETE'S FOOT. VINCENT PASTOR, doing business as Delrose Laboratory, Morton Grove, Ill.
Filed August 22, 1941. Serial No. 446,464. PUBLISHED JANUARY 6, 1942. Class 6.

394,054. GELATINES AND GELATINE DESSERTS. KOSHER DESSERTS, INC., New York, N. Y.
Filed September 8, 1941. Serial No. 446,881. PUBLISHED JANUARY 6, 1942. Class 46.

394,055. EGGS. CARNATION COMPANY, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash.
Filed September 13, 1941. Serial No. 447,011. PUBLISHED JANUARY 6, 1942. Class 46.

394,056. VERMOUTH, CHAMPAGNE, AND WINES. B. CRIBARI & SONS, New York, N. Y.
Filed September 16, 1941. Serial No. 447,059. PUBLISHED DECEMBER 16, 1941. Class 47.

394,057. WINES. E. & J. GALLO WINERY, Modesto, Calif.
Filed September 17, 1941. Serial No. 447,100. PUBLISHED DECEMBER 23, 1941. Class 47.

394,058. DISTILLED ALCOHOLIC LIQUOR BEING A RUSSIAN TYPE AQUAVIT. STE PIERRE SMIRNOFF FILS, INC., Hartford, Conn.
Filed September 18, 1941. Serial No. 447,118. PUBLISHED DECEMBER 23, 1941. Class 49.

394,059. LUMINOUS HAIR RETAINER IN THE NATURE OF A COMB OR HAIR CLASP. DIADEM, INC., Leominster, Mass.
Filed September 20, 1941. Serial No. 447,200. PUBLISHED JANUARY 6, 1942. Class 40.

394,060. ESPECIALLY COMPOUNDED CHEMICAL PRODUCT IN THE NATURE OF A BRICK OR BLOCK FOR PURIFYING THE AIR AND ABSORBING OBJECTIONABLE FOOD ODORS IN ELECTRICAL REFRIGERATORS, ICE-BOXES, COOLERS, AND THE LIKE. PUROBAR CO., Denver, Colo.
Filed September 22, 1941. Serial No. 447,251. PUBLISHED JANUARY 6, 1942. Class 6.

394,061. SHOWER AND MAKE-UP CAPS. BESS KOSVICH, doing business as Jo-Do Specialty Company, New York, N. Y.
Filed September 24, 1941. Serial No. 447,290. PUBLISHED JANUARY 6, 1942. Class 39.

394,062. SULPHATE OF POTASH MAGNESIA WHICH IS USED AS A FERTILIZER. UNION POTASH & CHEMICAL COMPANY, Chicago, Ill.
Filed September 27, 1941. Serial No. 447,381. PUBLISHED JANUARY 6, 1942. Class 10.

394,063. SOLID AND FLUID FUEL AND ELECTRIC COOKING RANGES AND OIL BURNING SPACE HEATERS, FURNACES, AND WATER HEATERS. GRAY & DUDLEY COMPANY, Nashville, Tenn.
Filed October 8, 1941. Serial No. 447,609. PUBLISHED JANUARY 6, 1942. Class 34.

394,064. POCKET KNIVES MADE OF OR PLATED WITH PRECIOUS METAL, AND JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES. THE WHITE MFG. CO., North Attleboro, Mass.
Filed October 10, 1941. Serial No. 447,679. PUBLISHED JANUARY 6, 1942. Class 28.

394,065. BANKS PARTICULARLY ADAPTED FOR SAVING SMALL CHANGE. BARON & ARNOF, INC., New York, N. Y.
Filed October 11, 1941. Serial No. 447,681. PUBLISHED JANUARY 6, 1942. Class 25.

394,066. STAPLE FIBERS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 11, 1941. Serial No. 447,683. PUBLISHED JANUARY 6, 1942. Class 1.

394,067. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed October 11, 1941. Serial No. 447,707. PUBLISHED JANUARY 6, 1942. Class 27.

394,068. MEN'S NECKTIES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,734. PUBLISHED JANUARY 6, 1942. Class 39.

394,069. PRINTING PAPER, WRITING PAPER, BOOK PAPER, NEWSPRINT PAPER. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed October 13, 1941. Serial No. 447,753. PUBLISHED JANUARY 6, 1942. Class 37.

394,070. MOCCASIN TYPE SHOES FOR MEN, WOMEN, AND CHILDREN. PHILCO SHOE CORPORATION, Bangor, Maine.
Filed October 13, 1941. Serial No. 447,761. PUBLISHED JANUARY 6, 1942. Class 39.

394,071. TRANSPARENT STRUCTURAL WATERPROOFING MATERIALS FOR SPRAY AND BRUSH APPLICATION. ROBERTS, CADWALLADER AND DILTS, INC., Camden, N. J.
Filed October 13, 1941. Serial No. 447,768. PUBLISHED DECEMBER 30, 1941. Class 12.

394,072. CIGARETTES AND SMOKING TOBACCO. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed October 14, 1941. Serial No. 447,779. PUBLISHED JANUARY 6, 1942. Class 17.

394,073. WINES. BROOKSIDE DISTILLING PRODUCTS CORPORATION, Scranton, Pa.
Filed October 15, 1941. Serial No. 447,794. PUBLISHED DECEMBER 30, 1941. Class 47.

394,074. WATCHES AND CLOCKS AND PARTS THEREOF. SOLOMON KAUFMAN, doing business as Semca Co., New York, N. Y.
Filed October 15, 1941. Serial No. 447,810. PUBLISHED JANUARY 6, 1942. Class 27.

394,075. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed October 15, 1941. Serial No. 447,823. PUBLISHED JANUARY 6, 1942. Class 37.

394,076. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed October 15, 1941. Serial No. 447,824. PUBLISHED JANUARY 6, 1942. Class 37.

394,077. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed October 15, 1941. Serial No. 447,825. PUBLISHED JANUARY 6, 1942. Class 37.

394,078. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed October 15, 1941. Serial No. 447,826. PUBLISHED JANUARY 6, 1942. Class 37.

394,079. COATED GLASSINE PAPER. RHINELANDER PAPER COMPANY, Rhinelander, Wis.
Filed October 16, 1941. Serial No. 447,850. PUBLISHED JANUARY 6, 1942. Class 37.

394,080. RUBBERIZED WATERPROOF FABRICS IN THE PIECE. RUBBER FABRICS CORPORATION, New York, N. Y.
Filed October 16, 1941. Serial No. 447,851. PUBLISHED JANUARY 6, 1942. Class 50.

394,081. ROTATABLE STUD SEPARABLE FASTENERS. CAMLOC FASTENER COMPANY, New York, N. Y.
Filed October 17, 1941. Serial No. 447,865. PUBLISHED JANUARY 6, 1942. Class 13.

394,082. WOMEN'S AND MISSES' BLOUSES; SWEATERS; DRESSES; COATS; SUITS; OUTER SKIRTS; ETC. BONWIT TELLER, INC., New York, N. Y.
Filed October 20, 1941. Serial No. 447,931. PUBLISHED JANUARY 6, 1942. Class 39.

394,083. BREAD. HUVAL BAKING COMPANY, INC., Lafayette, La.
Filed October 20, 1941. Serial No. 447,943. PUBLISHED JANUARY 6, 1942. Class 46.

394,084. GUM USED AS A BINDER AND THICKENER FOR PIGMENTED SUBSTANCES UTILIZED IN PRINTING FABRICS AND THE LIKE. STEIN, HALL & COMPANY, INC., New York, N. Y.
Filed October 22, 1941. Serial No. 448,015. PUBLISHED JANUARY 6, 1942. Class 11.

394,085. LIQUID COMBINATION AUTOMOBILE BODY POLISH AND CLEANER. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill.
Filed October 23, 1941. Serial No. 448,028. PUBLISHED JANUARY 6, 1942. Class 16.

394,086. LIQUID HYDROCARBON SOLVENTS FOR USE AS A SOLVENT IN LACQUERS, ENAMELS, AIRPLANE DOPES, ETC. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa.
Filed October 23, 1941. Serial No. 448,057. PUBLISHED JANUARY 6, 1942. Class 16.

394,087. TOILET KITS COVERED WITH KHAKI CLOTH AND CONTAINING A SERIES OF POCKETS FOR TOILET ARTICLES, WITH STRINGS ATTACHED FOR SECURING THE ARTICLES IN POSITION. MILTAR DISTRIBUTING CO., New York, N. Y.
Filed October 24, 1941. Serial No. 448,084. PUBLISHED JANUARY 6, 1942. Class 3.

394,088. HEATING STOVES, RANGES, COOK STOVES, AND STOKERS FOR BURNING COAL, WOOD, GAS, OR OIL. STRATTON & TERSTEGGE CO., INC., Louisville, Ky.
Filed October 25, 1941. Serial No. 448,119. PUBLISHED JANUARY 6, 1942. Class 34.

394,089. WINDOWS AND VENTILATORS. CLAY EQUIPMENT CORPORATION, Cedar Falls, Iowa.
Filed October 27, 1941. Serial No. 448,130. PUBLISHED DECEMBER 30, 1941. Class 12.

394,090. FRESH CITRUS FRUIT. HAINES CITY CITRUS GROWERS ASSOCIATION, Haines City, Fla.
Filed October 27, 1941. Serial No. 448,137. PUBLISHED JANUARY 6, 1942. Class 46.

394,091. CAKES. ALPHONSE ROART, INC., Philadelphia, Pa.
Filed October 27, 1941. Serial No. 448,171. PUBLISHED JANUARY 6, 1942. Class 46.

394,092. CIGARETTES. YOO-HOO PRODUCTS CO., Minneapolis, Minn.
Filed October 27, 1941. Serial No. 448,178. PUBLISHED JANUARY 6, 1942. Class 17.

394,093. HAND WOVEN NECKTIES. CHIEF WEAVERS, INC., Albuquerque, N. Mex.
Filed October 29, 1941. Serial No. 448,217. PUBLISHED JANUARY 6, 1942. Class 39.

394,094. BREAKFAST CEREALS. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed October 31, 1941. Serial No. 448,292. PUBLISHED JANUARY 6, 1942. Class 46.

394,095. BREAKFAST CEREALS. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed October 31, 1941. Serial No. 448,293. PUBLISHED JANUARY 6, 1942. Class 46.

394,096. SYNTHETIC STRAW BRAIDS USED IN THE MANUFACTURE OF HAT BODIES. E. C. SCHERRER, INC., New York, N. Y.
Filed October 31, 1941. Serial No. 448,303. PUBLISHED JANUARY 6, 1942. Class 40.

394,097. NAIL POLISH. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y.
Filed November 6, 1941. Serial No. 448,431. PUBLISHED JANUARY 6, 1942. Class 6.

394,098. WOOD FLOORING AND WOOD TRIM. FORDYCE LUMBER COMPANY, Fordyce, Ark.
Filed November 7, 1941. Serial No. 448,451. PUBLISHED DECEMBER 30, 1941. Class 12.

394,099. SINK AND TRAY WASTES AND TRAPS AND PARTS THEREOF. THE M. S. LITTLE MANUFACTURING CO., Hartford, Conn.
Filed November 7, 1941. Serial No. 448,454. PUBLISHED JANUARY 6, 1942. Class 13.

394,100. LEATHER DRESSING. NORTH AMERICAN DYE CORPORATION, Mt. Vernon, N. Y.
Filed November 7, 1941. Serial No. 448,455. PUBLISHED JANUARY 6, 1942. Class 4.

394,101. PLASTIC MATERIAL FOR THE CONSTRUCTION OF CROWNS, INLAYS, AND BRIDGES. THE L. D. CAULK COMPANY, Milford, Del.
Filed November 10, 1941. Serial No. 448,493. PUBLISHED JANUARY 6, 1942. Class 44.

394,102. EVAPORATED MILK. DAIRYLAND CO-OPERATIVE ASSOCIATION, Juneau, Wis.
Filed November 10, 1941. Serial No. 448,499. PUBLISHED JANUARY 6, 1942. Class 46.

394,103. DINNERWARE MADE OF CROCKERY, EARTHENWARE, OR PORCELAIN. PROMOTIONS, INC., Youngstown, Ohio.
Filed November 10, 1941. Serial No. 448,521. PUBLISHED JANUARY 6, 1942. Class 30.

394,104. GRAPE JUICE. TEA GARDEN PRODUCTS CO., San Francisco, Calif.
Filed November 10, 1941. Serial No. 448,536. PUBLISHED JANUARY 6, 1942. Class 45.

394,105. PERFUME, EAU PARFUMEE, FACE POWDER, TALCUM POWDER, BATH POWDER, LIPSTICK, ROUGE, AND SACHET. BOURJOIS, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,544. PUBLISHED JANUARY 6, 1942. Class 6.

394,106. CANNED FOODS—NAMELY, CANNED FRUITS. FRUITVALE CANNING COMPANY, Oakland, Calif.
Filed November 12, 1941. Serial No. 448,556. PUBLISHED JANUARY 6, 1942. Class 46.

394,107. TOILET WATER, PERFUME, BATH POWDER, TALCUM POWDER, SACHET POWDER, AND BUBBLE FOAM POWDER. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,558. PUBLISHED JANUARY 6, 1942. Class 6.

394,108. CLUTCH FACINGS. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed November 12, 1941. Serial No. 448,579. PUBLISHED JANUARY 6, 1942. Class 35.

394,109. DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed November 12, 1941. Serial No. 448,583. PUBLISHED JANUARY 6, 1942. Class 49.

394,110. DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed November 12, 1941. Serial No. 448,584. PUBLISHED JANUARY 6, 1942. Class 49.

394,111. PHARMACEUTICAL PREPARATIONS USEFUL AS BACTERICIDES AND AS ANTISEPTICS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 12, 1941. Serial No. 448,587. PUBLISHED JANUARY 6, 1942. Class 6.

394,112. SLIDE FASTENERS. STRONGHOLD FASTENER COMPANY, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,590. PUBLISHED JANUARY 6, 1942. Class 13.

394,113. LAUNDRY STARCH. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed November 13, 1941. Serial No. 448,596. PUBLISHED JANUARY 6, 1942. Class 6.

394,114. DENTURES AND PLASTIC MATERIAL FOR MAKING THE SAME. ALEXANDER F. STAMM, doing business as Star Dental Laboratory, Indianapolis, Ind.
Filed November 13, 1941. Serial No. 448,624. PUBLISHED JANUARY 6, 1942. Class 44.

394,115. TWIST DRILLS, REAMERS, AND PUNCHES, AND PUNCH RETAINERS. UNITED DRILL AND TOOL CORPORATION, Chicago, Ill.
Filed August 15, 1941. Serial No. 446,282. PUBLISHED JANUARY 6, 1942. Class 23.

394,116. PROTECTIVE COATING FOR SELECTIVE CARBURIZING AND FOR THE PROTECTION OF METALS SUSCEPTIBLE TO CARBONIZATION. NATIONAL COPPER PAINT CORPORATION, Chicago, Ill.
Filed November 17, 1941. Serial No. 448,702. PUBLISHED JANUARY 6, 1942. Class 6.

394,117. PROTECTIVE COATING FOR HEAT TREATING METALS. NATIONAL COPPER PAINT CORPORATION, Chicago, Ill.
Filed November 17, 1941. Serial No. 448,703. PUBLISHED JANUARY 6, 1942. Class 6.

394,118. PERFUME, EAU PARFUMEE, FACE POWDER, TALCUM POWDER, BATH POWDER, LIPSTICK, ROUGE, AND SACHET. BOURJOIS, INC., New York, N. Y.
Filed November 18, 1941. Serial No. 448,720. PUBLISHED JANUARY 6, 1942. Class 6.

394,119. CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed November 18, 1941. Serial No. 448,724. PUBLISHED JANUARY 6, 1942. Class 6.

394,120. CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed November 18, 1941. Serial No. 448,725. PUBLISHED JANUARY 6, 1942. Class 6.

394,121. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 18, 1941. Serial No. 448,741. PUBLISHED JANUARY 6, 1942. Class 6.

394,122. TOY PISTOLS. THE J. & E. STEVENS COMPANY, Cromwell, Conn.
Filed November 22, 1941. Serial No. 448,840. PUBLISHED JANUARY 6, 1942. Class 22.

394,123. PLAYING CARDS. ESQUIRE, INC., Chicago, Ill.
Filed November 27, 1941. Serial No. 448,965. PUBLISHED JANUARY 6, 1942. Class 22.

394,124. ARCH CUSHIONS, HEEL CUSHIONS, HEEL LEVELERS, CORN CUSHIONS, BUNION CUSHIONS, CRUTCH ARM CUSHIONS, AND SPLINT CUSHIONS. KLEISTONE RUBBER CO., INC., Warren, R. I.
Filed November 27, 1941. Serial No. 448,973. PUBLISHED JANUARY 6, 1942. Class 44.

394,125. EVENING HANDBAGS. BOURJOIS, INC., New York, N. Y.
Filed November 28, 1941. Serial No. 448,997. PUBLISHED JANUARY 6, 1942. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

394,126. (CLASS 2. RECEPTACLES.) WILLIAM F. COYNE, doing business as Shu-Rap & Sava-Towl Paper Products Co., Chicago, Ill. Filed July 21, 1941. Serial No. 445,519.

SHU-RAP

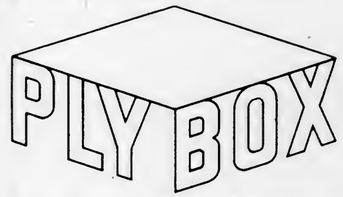
FOR PROTECTIVE BAGS FOR SHOES.
Claims use since May 1, 1940.

394,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORT ORANGE CHEMICAL CO., INC., Albany, N. Y. Filed July 18, 1941. Serial No. 445,463.

Beverly

FOR LIQUID SOLVENT FOR REMOVING NAIL POLISH FROM THE NAILS.
Claims use since June 10, 1938.

394,128. (CLASS 12. CONSTRUCTION MATERIALS.) DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Feb. 7, 1941. Under the act of March 9, 1920, as amended June 10, 1938. Serial No. 440,407.



FOR BOX GRADE DOUGLAS FIR PLYWOOD.
Claims use since Oct. 1, 1940.

394,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED LABORATORIES, INC., doing business as Vitamin-Quota, Long Island City, N. Y. Filed Jan. 6, 1941. Serial No. 439,426.

VITAMIN-QUOTA

FOR VITAMINIC PRODUCTS—NAMELY, CAPSULES CONTAINING VITAMIN CONCENTRATES.
Claims use since Dec. 30, 1940.

394,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Nov. 30, 1940. Serial No. 438,423.

CHICKEN TENDER

FOR CANNED TUNA.
Claims use since Nov. 15, 1940.

394,131. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE COFFEE-COOL BOTTLING CO., Los Angeles, Calif. Filed July 17, 1940. Serial No. 434,056.

Coffee-Cool

FOR NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES SOLD AS SOFT DRINKS, SYRUPS AND EXTRACTS SOLD FOR USE IN SOFT DRINKS.
Claims use since July 1, 1940.

394,132. (CLASS 47. WINES.) SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Dec. 31, 1941. Serial No. 449,924.

SANTINI

FOR WINES.
Claims use since May 21, 1940.

394,133. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN A. BECKER, doing business as Gumputtie Laboratories, Chicago, Ill. Filed Dec. 23, 1941. Serial No. 449,713.

EVER READY

NU-PUTTIE

FOR PLASTIC COMPOUND FOR CAULKING, GLAZING, AND SEALING.
Claims use since June 1, 1933.

394,134. (CLASS 2. RECEPTACLES.) THE BARTGIS BROTHERS COMPANY, Ilchester, Md. Filed Dec. 15, 1941. Serial No. 449,474.

THE BARTGIS BROTHERS COMPANY

"We Make the Package that Makes the Sale"

FOR CARTONS AND FOLDING PAPER BOXES.
Claims use since 1924.

394,135. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Nov. 17, 1941. Serial No. 448,689.

Macomba



FOR SPUN RAYON PIECE GOODS.
Claims use since Jan. 1, 1941.

394,136. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LASHER'S SILK MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 15, 1941. Serial No. 448,676.

Lasher's

FOR LACE AND EMBROIDERY EDGINGS AND RIBBONS, ALL SOLD BY THE BOLT, YARD, OR PIECE.
Claims use since Aug. 10, 1921.

394,137. (CLASS 17. TOBACCO PRODUCTS.) AUTOGRAPH CIGARETTES COMPANY, New York, N. Y. Filed Nov. 1, 1941. Serial No. 448,311.

Autograph

FOR CIGARETTES.
Claims use since Oct. 15, 1940.

394,138. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PHELPS TINSEL COMPANY, Newark, N. J. Filed Aug. 8, 1941. Serial No. 446,087.

SHIMMERBRITE

FOR METALLIC TINSEL IN THE NATURE OF DECORATIVE FRINGE.
Claims use since Nov. 19, 1938.

394,139. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. SPENCER, doing business as Alliance Rubber Company, Alliance, Ohio. Filed July 23, 1941. Serial No. 445,588.

Ty-Bands

FOR RUBBER BANDS.
Claims use since Nov. 20, 1929.

TRADE-MARK REGISTRATIONS RENEWED

132,240. **SCINTILLA.** CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered June 15, 1920. SCINTILLA. Renewed June 15, 1940, to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland, a corporation of the Swiss Confederation, by change of name.

141,500. **CHAMPION.** CYCLE-SADDLES, (LEATHER). Registered April 26, 1921. J. B. BROOKS & COMPANY LIMITED, Birmingham, England, a registered company of Great Britain. Renewed April 26, 1941.

144,922. **SCINTILLA.** MOTOR-VEHICLES—VIZ., MOTOR-CARS, MOTOR-BOATS, FLYING-MACHINES, AIRSHIPS, AND MOTOR-BICYCLES. Registered July 19, 1921. SCINTILLA. Renewed July 19, 1941, to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland, a corporation of the Swiss Confederation, by change of name.

145,215. **SCINTILLA.** CERTAIN ENGINES, AUTOMOTIVE MACHINERY, AND TOOLS. Registered July 26, 1921. SCINTILLA. Renewed July 26, 1941, to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland, a corporation of the Swiss Confederation, by change of name.

151,227. **SCINTILLA.** CERTAIN NAMED LAMPS, LANTERNS, RADIATORS, DAMPERS, AND VENTILATORS. Registered January 24, 1922. SCINTILLA. Renewed January 24, 1942, to Scintilla A.-G., (Scintilla S. A.) (Scintilla S. A.) (Scintilla Ltd.), formerly known as Scintilla, Solothurn, Switzerland, a corporation of the Swiss Confederation, by change of name.

151,463. **REPRESENTATION OF A POWDER PUFF DESIGN.** FACE POWDERS. Registered February 7, 1922. FRANCOIS JOSEPH DE SPOTURNO COTY, Suresnes, France. Renewed February 7, 1942, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor.

151,634. **WESTRIC.** STORAGE BATTERIES. Registered February 7, 1922. WESTERN BATTERY & SUPPLY Co., Denver, Colo., a corporation of Colorado. Renewed February 7, 1942.

151,976. **MAE TINÉE.** NEWSPAPER ARTICLES. Registered February 14, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,977. **CLOTILDE.** NEWSPAPER ARTICLES. Registered February 14, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,978. **HAROLD TEEN.** A SERIES OF CARTOONS. Registered February 14, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

151,979. **GASOLINE ALLEY.** A SERIES OF CARTOONS. Registered February 14, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 14, 1942.

152,010. **GRAND-PA WOODWARD'S.** A BLOOD AND LIVER TONIC. Registered February 14, 1922. A. B. WOODWARD MEDICINE COMPANY, Marlin, Tex. Renewed February 14, 1942, to A. B. Woodward Medicine Company, Stamford, Tex., a partnership.

152,289. **MELISANDE.** PERFUMES, SACHETS, TOILET WATERS, FACE POWDERS, AND TALCUM POWDERS. Registered February 21, 1922. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Renewed February 14, 1942.

152,385. **MAVIS.** CHOCOLATE SIRUPS AND OTHER MALTLESS SIRUPS FOR SOFT DRINKS AND SODA FOUNTAIN-USE. Registered February 28, 1922. DEVOINE CANDY COMPANY. Renewed February 28, 1942, to Mavis Corporation, Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

152,525. **KRAFTWEAVE.** WOVEN TEXTILE FABRICS IN THE PIECE USED AS FOUNDATION MATERIAL FOR ART NEEDLE WORK. Registered February 28, 1922. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed February 28, 1942.

152,709. **COAT OF ARMS.** FRESH CITRUS FRUITS. Registered March 7, 1922. CHASE & CHASE, Jacksonville, Fla. Renewed March 7, 1942, to Chase Investment Company, Sanford, Fla., a corporation of Florida, assignee.

152,894. **864.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Renewed March 7, 1942.

152,895. **824.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,897. **183.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,898. **VIM.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,900. **818.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,904. **LITTLE DARLING.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw Mich., a corporation of West Virginia.

152,905. **822.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,906. **167.** WASHBOARDS. Registered March 7, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed March 7, 1942, to National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia.

152,916. **N/E.** ELECTRIC SIGNAL HORNS FOR MOTOR VEHICLES. Registered March 7, 1922. NORTH EAST ELECTRIC COMPANY, Rochester, N. Y. Renewed March 7, 1942, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

153,026. **A LINE O'TYPE OR TWO.** A NEWSPAPER COLUMN. Registered March 7, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

153,028. **WINNIE WINKLE.** A SERIES OF CARTOONS. Registered March 7, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

153,029. **HOW TO KEEP WELL.** A NEWSPAPER COLUMN. Registered March 7, 1922. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 7, 1942.

153,136. **BUCKEYE.** CERTAIN NAMED AUTOMOBILE ACCESSORIES. Registered March 14, 1922. THE CENTRAL BRASS & FIXTURE COMPANY, Springfield, Ohio. Renewed March 14, 1942, to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio, assignee by mesne assignments.

153,237. **METABOLOR.** RESPIRATION-TESTING AND GAS-ADMINISTRATION APPARATUS. Registered March 14, 1922. ELMER I. MCKESSON. Renewed March 14, 1942, to Martha F. McKesson, Toledo, Ohio, assignee.

153,535. **BLACK SEA.** CIGARETTE PAPERS. Registered March 21, 1922. MAX SPIEGEL & SONS CO., INC., New York, N. Y., a corporation of New York. Renewed March 21, 1942.

153,561. **WHITLOCK MANILA.** MANILA ROPE. Registered March 21, 1922. WHITLOCK CORDAGE CO., New York, N. Y. Renewed March 21, 1942, to Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey.

153,562. **WHITLOCK SISAL.** SISAL ROPE. Registered March 21, 1922. WHITLOCK CORDAGE CO., New N. Y. Renewed March 21, 1942, to Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey

154,417. **WAYAGAMACK.** PAPER BAGS, PAPER BOXES, AND PAPER CUPS. Registered April 11, 1922. WAYAGAMACK PULP & PAPER CO., LIMITED, Three Rivers, Quebec, Canada. Renewed April 11, 1942, to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada, assignee.

155,082. **4-MY-LOCKS.** HAIR NETS. Registered May 16, 1922. SITROUX IMPORTING COMPANY, INC. Renewed May 16, 1942, to The Sitroux Company, Inc., New York, N. Y., a corporation of New York, by change of name.

155,083. **SITROUX.** HAIR NETS. Registered May 16, 1922. SITROUX IMPORTING COMPANY, INC. Renewed May 16, 1942, to The Sitroux Company, Inc., New York, N. Y., a corporation of New York, by change of name.

155,084. **MISS O'DELL.** HAIR NETS. Registered May 16, 1922. SITROUX IMPORTING COMPANY, INC. Renewed May 16, 1942, to The Sitroux Company, Inc., New York, N. Y., a corporation of New York, by change of name.

155,085. **ANNA-ANN.** HAIR NETS. Registered May 16, 1922. SITROUX IMPORTING COMPANY, INC. Renewed May 16, 1942, to The Sitroux Company, Inc., New York, N. Y., a corporation of New York, by change of name.

155,241. **REPRESENTATION OF A MAN WITH A WHEELBARROW FULL OF VEGETABLES.** ANNUAL CATALOGUES. Registered May 23, 1922. PETER HENDERSON & CO., New York, N. Y., a corporation of New Jersey. Renewed May 23, 1942.

155,266. **RISING STAR.** WASHBOARDS. Registered May 23, 1922. NATIONAL WASHBOARD COMPANY, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Renewed May 23, 1942, to National Washboard Company, Chicago Ill., and Saginaw, Mich., a corporation of West Virginia

155,676. **AUDITOR.** CABINETS FOR REGISTERS. Registered June 6, 1922. THE EGRY REGISTER COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed June 6, 1942.

155,718. **HORN'S T-N-T.** CLEANING AND POLISHING POWDER. Registered June 6, 1922. A. C. HORN COMPANY, Long Island City, N. Y., a corporation of New York. Renewed June 6, 1942.

155,744. **PRINCE OF WALES.** FRESH CITRUS FRUITS. Registered June 6, 1922. LAKE WALES CITRUS GROWERS ASSOCIATION, Lake Wales, Fla., a corporation of Florida. Renewed June 6, 1942.

155,831. **FLAXOAP.** SOAP (DRY POWDERED, PASTE, SEMIPASTE, FLAKE, LIQUID, AND OTHER CONSISTENCIES). Registered June 6, 1922. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed June 6, 1942.

155,971. **GREENING'S BIG NURSERIES.** CERTAIN NAMED NURSERY PRODUCTS. Registered June 13, 1922. THE GREENING NURSERY COMPANY, Monroe, Mich., a corporation of Michigan. Renewed June 13, 1942.

155,978. **REPRESENTATION OF A MAN WITH A WHEELBARROW FULL OF VEGETABLES.** AGRICULTURAL AND HORTICULTURAL SEEDS. Registered June 13, 1922. PETER HENDERSON & Co., New York, N. Y., a corporation of New Jersey. Renewed June 13, 1942.

156,033. **BABE WEAR.** BATH ROBES, SACKS, BUNTINGS, AND FLANNELETTES. Registered June 13, 1922. ONITA SPECIALTY CO., Brooklyn, N. Y., a firm. Renewed June 13, 1942.

156,235. **FOOT-FITTER.** LEATHER SHOES. Registered June 20, 1922. EDMONDS SHOE COMPANY, Milwaukee, Wis. Renewed June 20, 1942, to Allen Edmonds Shoe Corporation, Belgium, Wis., a corporation of Wisconsin, assignee.

156,307. **ISCO.** CERTAIN NAMED CHEMICALS. Registered June 20, 1922. INNIS, SPEIDEN & CO., INC. Renewed June 20, 1942, to Innis, Speiden & Co., New York, N. Y., a corporation of Delaware, assignee.

156,573. **THE JOHN P. KING MF'G. CO. R R.** COTTON PIECE GOODS. Registered June 27, 1922. THE JOHN P. KING MANUFACTURING CO., Augusta, Ga., a corporation of Georgia. Renewed June 27, 1942.

156,730. **CAYUSE.** INDIAN BLANKETS; WOOL IN PIECE FOR MAKING BATH ROBES, BLANKETS, AND SHAWLS; AND BATH-ROBE BLANKETS, ETC. Registered July 11, 1922. PENDLETON WOOLEN MILLS, Pendleton, Oreg. Renewed July 11, 1942, to Pendleton Woolen Mills, Portland, Oreg., a corporation of Oregon.

156,892. **TWO OXEN.** COTTON PIECE GOODS. Registered July 18, 1922. MASSACHUSETTS COTTON MILLS. Renewed July 18, 1942, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee.

157,000. **BEACON.** BLANKETS OF DOUBLE THICKNESS. Registered July 25, 1922. BEACON MANUFACTURING COMPANY, Providence, R. I. Renewed July 25, 1942, to Beacon Manufacturing Company, Swannonoa, N. C., a corporation of Massachusetts.

157,030. **PLI-ARCH.** LEATHER BOOTS AND SHOES. Registered July 25, 1922. COMMONWEALTH SHOE AND LEATHER COMPANY, Boston, Mass. Renewed July 25, 1942, to Commonwealth Shoe and Leather Company, Whitman, Mass., a corporation of Massachusetts.

157,199. **SANICO.** PAPER LUNCHEON SETS. Registered July 25, 1922. THE SANITARY PRODUCTS CORPORATION OF AMERICA, Philadelphia, Pa. Renewed July 25, 1942, to The Sanitary Products Corporation of America, Plainfield, N. J., a corporation of Virginia

157,329. **DR. PETER'S GOMOZO.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered August 1, 1922. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed August 1, 1942.

157,330. **DR. PETER'S HOBOKO.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered August 1, 1922. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed August 1, 1942.

157,331. **DR. PETER'S LOZOGO.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered August 1, 1922. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed August 1, 1942.

157,332. **DR. PETER'S ZOKORO.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered August 1, 1922. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed August 1, 1942.

157,333. **DR. PETER'S NOVORO.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered August 1, 1922. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed August 1, 1942.

157,343. **LE TEMPS DES LILAS.** PERFUME EXTRACT AND TOILET WATER. Registered August 1, 1922. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed August 1, 1942.

157,373. **REPRESENTATION OF A HAMMER WITH BLACK HEAD AND MAHOGANIZED HANDLE.** HANDLED HAMMERS, HATCHETS, AXES, ADZES, AND SLEDGES. Registered August 1, 1922. FAYETTE R. PLUMB, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 1, 1942.

157,387. **SWP—COVER THE EARTH.** CERTAIN NAMED CHEMICALS. Registered August 1, 1922. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed August 1, 1942.

157,406. **IVORY.** SALT. Registered August 1, 1922. WORCESTER SALT CO., New York, and Silver Springs, N. Y., and Ecorse, Mich. Renewed August 1, 1942, to Worcester Salt Co., New York, N. Y., a corporation of New York.

157,486. **KOW-KARE.** A CERTAIN NAMED MEDICINAL PREPARATION FOR COWS. Registered August 8, 1922. DAIRY ASSOCIATION CO., INC., Lyndonville, Vt., a corporation of Vermont. Renewed August 8, 1942.

157,551. **PICK.** CONCENTRATED MATERIAL BREWED FROM MALT AND HOPS SUITABLE FOR THE MAKING OF A MALT BEVERAGE. Registered August 8, 1922. NEW ENGLAND BREWING COMPANY, doing business as Haffenreffer & Co., Jersey City N. J. and Boston, Mass. Renewed August 8, 1942, to Haffenreffer & Co., Inc., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

PLANT PATENTS

GRANTED MARCH 17, 1942

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

506

PEACH

William T. Kirkman, Jr., Tracy, Calif., assignor to Kirkman Corporation, Tracy, Calif., a corporation of California

Application October 12, 1940, Serial No. 360,940

1 Claim. (Cl. 47—62)

The herein described variety of peach tree characterized by the average larger size of its freestone fruit and later ripening period thereof, the unusual length of time the flesh remains firm after maturity, and the outstanding color of its fruit including a deep reddish streak following the suture; all as compared to the Rio Oso Gem.

507

PEACH TREE

Ray B. Wiser, near Gridley, Calif.

Application December 2, 1940, Serial No. 368,261

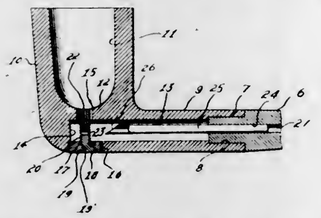
1 Claim. (Cl. 47—62)

The new and distinct variety of late-maturing peach tree herein described, characterized particularly by its vigor and heavy bearing ability; its willowy growth, the effect of which is greatly increased by its long slender leaves which are close-set on the branches; its prolonged harvesting season produced by the tenacity of its fruit to the tree; the symmetry and uniformity of size of its fruit; its great degree of disease resistance; and its clingstone fruit having outer appearance and flesh similar to that of the freestone Lovell fruit, substantially as shown and described.

PATENTS

GRANTED MARCH 17, 1942

2,276,266
SMOKING PIPE
Louis Benjamin, Max Benjamin, and Benjamin Benjamin, Brooklyn, N. Y.
Application August 13, 1940, Serial No. 352,432
1 Claim. (Cl. 131—206)

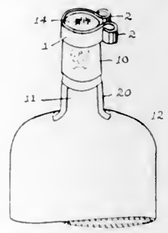


A smoking pipe consisting of a bowl having a stem, said bowl having a tobacco chamber having its bottom on a level above said stem, said stem being formed with a relatively large diameter bore acting as an air cooling passage, said passage extending from a point adjacent the rear end of said stem to a point adjacent the far side of and below said tobacco chamber, a bit inserted into the rear end of said air cooling passage, said bit having a bore, a cooling tube inserted in the bore of the bit and extending through said air cooling passage in spaced relation to the sides thereof, said air cooling passage being formed with a clean-out opening in its bottom wall beneath said tobacco chamber and said tobacco chamber being formed with a substantially centralized smoke opening substantially axially aligned with said clean-out opening, said cooling tube having its front end terminating rearwardly of the smoke opening, and a plug fitting said clean-out opening, said plug having a reduced shank rising therefrom and extending into said smoke opening in spaced relation to its sides, said shank having an axial bore opening through its upper end, said shank further having a transverse bore located in said air cooling passage and having communication with the lower end of said axial bore, said transverse bore being in axial alignment with the tube and disposed adjacent the front end of the tube, said plug comprising a disk threaded into said clean-out opening, said disk being formed with a vertical threaded bore and said reduced shank having external threads engaged with said threaded bore, and means to turn said shank relative to said plug to vertically adjust the shank.

2,276,267
HOMOGENEOUS ALCOHOLIC SOLUTIONS CONTAINING RESINS
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 22, 1939, Serial No. 280,654
9 Claims. (Cl. 260—16)

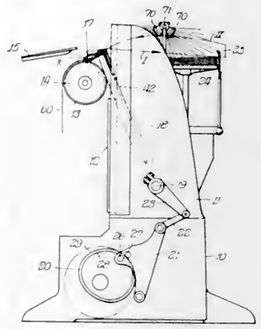
1. A composition comprising a homogeneous solution containing a low molecular weight alcohol and an oxygen-convertible ester of a polyhydric alcohol and an alpha, beta unsaturated polycarboxylic acid, said polyhydric alcohol containing at least three ether linkages in the chain separating the OH groups and having not over three hydroxyl groups.

2,276,268
SEAL CUTTER FOR BOTTLES
Walter J. Donlon, Oriskany, N. Y.
Application July 12, 1941, Serial No. 402,209
2 Claims. (Cl. 30—2)



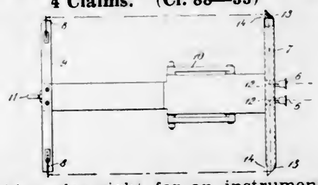
1. In a seal cutter for bottles an open ring member having a knife formed thereon, free ends formed with rolls on said member and said knife being adapted to cut the seal of the bottle when applied thereto.

2,276,269
SHEET DELIVERY MECHANISM
Edward F. Dudley, Oak Park, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1940, Serial No. 355,976
14 Claims. (Cl. 101—276)



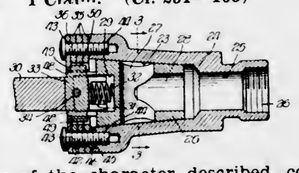
1. In a bed and cylinder press of the vertical class, a rotary impression cylinder and a type bed cooperating therewith, a delivery pile table, reciprocating sheet delivery means for removing sheets from said cylinder and conveying them across the operating path of said impression cylinder and type bed and depositing them onto said table, mechanism for actuating said delivery means to assume a maximum delivery speed which shall be in excess of the maximum surface speed of said cylinder, and means for causing the delivery means to travel in different planes during their delivery and return strokes.

2,276,270
GUN SIGHT
Eli E. Gregory, Stirling, N. J.
Application March 27, 1939, Serial No. 264,283
4 Claims. (Cl. 88—33)



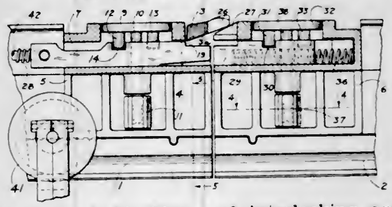
1. A binocular sight for an instrument to be aimed comprising a pair of eye-pieces, reflecting means aligned with each of said eye-pieces, a second reflecting means positioned transversely and outwardly of the line of vision through each of said eye-pieces, said second reflecting means being spaced apart a distance substantially greater than said eye-pieces, said first mentioned and said second mentioned reflecting means being so positioned with respect to one another and to said eye-pieces that said second mentioned reflecting means is adapted to reflect images onto said first mentioned reflecting means and said first mentioned reflecting means is adapted to reflect such images impinging thereon through said eye-pieces, and a sighting element positioned in alignment with each of said second reflecting means, and at the opposite side of said reflecting means from said eye-pieces, said sighting elements being spaced apart a distance substantially equal to the spacing of said second reflecting means and converging upwardly, said sighting elements, when an object beyond said sighting elements aimed at is viewed by a person with both eyes, producing the optical effect of crossing one another at varying points, depending on the distance of said object from the person doing the aiming.

2,276,271
GAS VALVE
Philip S. Harper, Chicago, Ill., assignor, by direct and mesne assignments, to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1939, Serial No. 287,398
1 Claim. (Cl. 251—165)



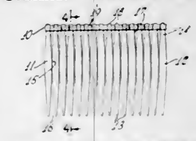
A valve of the character described, comprising a valve body having an opening therein and inlet and outlet openings communicating with said first-named opening, said valve body further having a face on the end thereof surrounding said first opening and provided with fastener holes for attaching a cap thereon, a movable valve member disposed in said first opening for establishing communication through said inlet and outlet openings, said valve member having a sleeve projecting therefrom provided with a longitudinal slot extending to the outer edge of said sleeve, a valve stem disposed in said sleeve and having an opening therethrough, a member disposed in said opening and having an end projecting through the slot in said sleeve and therebeyond, said valve stem being mounted for limited axial movement with respect to said movable valve member, and a spring disposed between said stem and movable valve member for resisting said axial movement, a combined valve cap and control member comprising a preformed assembly of a plurality of selected laminated plates, at least certain of which have stop lugs thereon disposed in predetermined angular positions around said valve stem and collectively providing a predetermined path of movement for the end of said projecting member, said projecting member further being adapted to contact said stop lugs for limiting the movement of said stem and to be freed from at least one of said stops by axial movement of said stem, said cap having means for securing said plates together and having holes therethrough in alignment with said holes in the face of said valve body, fasteners in said holes for attaching said cap on the face of said valve body, and cooperating means on said cap and valve body for preventing said cap being mounted in more than one position thereon.

2,276,272
TRACK INTERLOCK AND SAFETY STOP MECHANISM
Frank C. Harris and Ralph T. Moore, Lakewood, Ohio, assignors to The American MonoRail Company, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1940, Serial No. 350,278
20 Claims. (Cl. 104—98)



1. In track blocking and interlocking apparatus, tracks adapted to be moved relatively into and out of end to end alignment, bolt interlocking means, means for moving said bolt across the ends of said tracks when aligned to interlock same, a safety stop adjacent each track end, means operable upon movement of said bolt into interlocking position to move said stops out of track blocking position and to return said stops to track blocking position upon withdrawal of said bolt from interlocking position, and means operatively connecting said bolt and said stops for preventing complete withdrawal of said bolt from interlocking position except when each of said stops is free to move into effective track blocking position.

2,276,273
COMB
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application August 7, 1941, Serial No. 405,726
6 Claims. (Cl. 132—26)



6. A comb comprising a flexible resilient back,

and a set of teeth having relatively wide intermediate portions and tapering therefrom both towards their lower and upper ends, the intermediate portions of adjacent teeth being substantially in contact with each other, said comb having the characteristic that the back is sufficiently flexible and resilient to cause the teeth automatically to spread by the resistance offered by the hair during insertion of the comb into the hair and then to close together to retain the hair securely in the spaces between the upper ends of the teeth.

2,276,274

METHOD OF SYNTHESIZING HYDROCARBONS

Percival C. Keith, Jr., Peapack, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application August 4, 1937, Serial No. 157,341

8 Claims. (Cl. 260—449)

1. A method of synthesizing hydrocarbons from mixtures of carbon monoxide and hydrogen in which an excess of carbon monoxide with respect to hydrogen is maintained, including the steps of heating a mixture of carbon monoxide and hydrogen to a synthesizing temperature, contacting the heated mixture with a hydrogenation catalyst in a synthesis zone, separating unreacted gases to obtain a fraction predominating in carbon monoxide and admixing at least a part of said fraction with the carbon monoxide and hydrogen being fed to the synthesis zone to maintain the desired excess of carbon monoxide with respect to hydrogen during the synthesis.

2,276,275

LENS RIM

Frank W. Lindblom, Auburn, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island

Application February 27, 1941, Serial No. 380,828

1 Claim. (Cl. 88—47)



In an ophthalmic mounting, a lens rim having a body portion to encircle the lens, a shoe having an opening therein receiving the end of the body and attached thereto and extending from said body portion and with the opening located in the extending part of said shoe, the other end of said body also being received in the extending part of said shoe and provided with a bendable tongue to extend through said opening and be bent to lock the ends of the rim in said shoe.

2,276,276

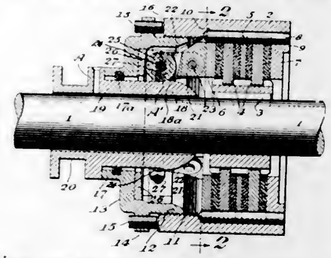
CLUTCH

Donald B. Livingston, Beverly, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts

Application January 27, 1941, Serial No. 376,050

11 Claims. (Cl. 192—69)

10. A clutch comprising drive and driven members to be coupled, one of said members including an annular casing and the other of said members being concentric therewith and extending within said casing, said casing including a backing member, clutch discs carried by said casing and the other of said members, clamping means slidably carried by said casing, a head carried by said casing, said head having a race and an aperture substantially larger than said other member, a slide having a wedge portion entrant of said head aperture, means operable by said slide to coact with said race to actuate said



clamping means to engage said clutch, said operating means comprising thrust arms, means pivotally connecting said thrust arms to said clamping means so that as said thrust arms are moved outwardly by said wedge portion said thrust arms coact with said race, and means in control of said arms negativing the influence of centrifugal force thereon.

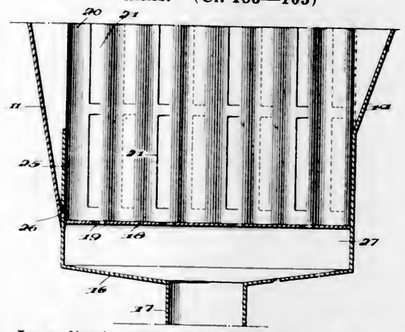
2,276,277

LIQUID AND GAS SEPARATOR

Millard F. Waters, Tulsa, Okla., assignor to Hanlon-Waters, Inc., Tulsa, Okla.

Application October 10, 1940, Serial No. 360,645

3 Claims. (Cl. 183—105)



1. In a liquid and gas separator, a separator unit comprising a casing having gas inlet and outlet openings arranged at opposite ends, a plurality of substantially vertical, corrugated plates arranged in pairs, the plates of each pair being transversely spaced to form a circuitous passageway connecting said inlet and outlet openings, adjacent pairs of plates being oppositely disposed with alternate corrugations of immediately adjacent plates in abutment, the opposed intervening corrugations forming staggered longitudinal rows of liquid collecting chambers, the walls of said chambers being provided with openings communicating with respective passageways, means adjacent said last named openings for deflecting liquids into said chambers, discharge means in the bottoms of said chambers for conducting separated liquids therefrom and a transverse baffle extending across the lower portions of said plates at their forward ends to create a substantial quiescence adjacent said discharge means.

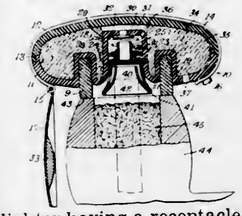
2,276,278

LIGHTER

Victor R. Abrams, Maplewood, N. J., assignor to Cardinal Products Inc., New York, N. Y., a corporation of New York

Application October 25, 1940, Serial No. 362,828

4 Claims. (Cl. 67—7)



2. In a lighter having a receptacle containing a substantially flat catalytic element capable of being heated, in combination, a hollow member extending above said element forming a heating chamber defined by said hollow member, said element, and the tip of a smoker's article when the said article is applied to the lighter, and a compressible ring member of substantial depth carried by said receptacle and surrounding said hollow member, said ring member being engageable by the open end of the bowl of a smoker's pipe thereby spacing said bowl from said element and forming a larger heating chamber including the first mentioned heating chamber.

2,276,279

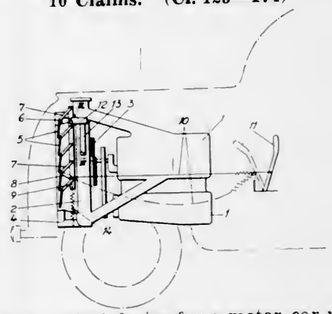
RADIATOR CONTROL FOR MOTOR VEHICLES

Sven Johan Eugen Asklund, Lidingo, Sweden

Application May 11, 1940, Serial No. 334,548

In Sweden May 9, 1939

10 Claims. (Cl. 123—174)



1. In a control device for a motor-car radiator control, which control is adapted to be attached to the radiator and provided with movable means for covering or uncovering the radiator, means for actuating these movable means, a brake operating means, the actuating means for the control being in operative connection with the brake operating means for opening and closing the control when starting and stopping the car, a thermostat located close to the radiator near the control, said thermostat consisting of a bimetal spring extending from the radiator, a release means for allowing the control to move to open position, a member movable substantially in dependence upon the motion of the control, a control member projecting from said member and adapted to bear against the free end of the thermostat for the purpose of retaining the control in closed position, the thermostat, when the cooling water has reached its optimum temperature being adapted to bend away from the control member for enabling the opening of the control.

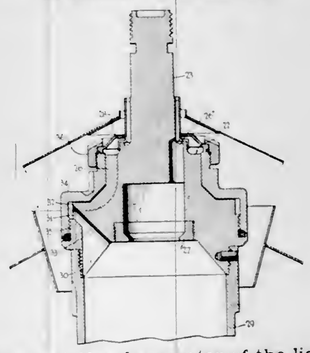
2,276,280

CENTRIFUGAL SEPARATOR

Arthur U. Ayres, Chestnut Hill, Pa., and George H. Hill, Westfield, N. J., assignors to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application October 25, 1939, Serial No. 301,144

14 Claims. (Cl. 233—46)



1. In a centrifugal separator of the liquid balance type, a centrifugal rotor, means for feeding a mixture of liquids to be separated to the centrifugal rotor, separate weirs for controlling separate discharge of said liquids under liquid balance against each other after separation thereof in said centrifugal rotor, said centrifugal rotor comprising a main separating chamber in which sedimentation of the heavier liquid is adapted to occur under the influence of centrifugal force, and a chamber of substantially larger diameter than said main separating chamber in the line of flow of liquid from said main separating chamber to the weir over which the heavier effluent flows from the centrifugal rotor, said chamber of larger diameter communicating with the main separating chamber and with the weir for controlling discharge of the heavier effluent from the centrifugal rotor, said chamber of larger diameter being provided with accelerator means to maintain the heavier effluent discharged into said chamber at a uniform velocity of rotation during its passage from the main body of the rotor through said chamber of enlarged diameter, whereby turbulence which would otherwise occur in passage of the liquid from a smaller to a larger diameter is avoided.

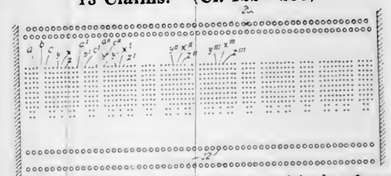
2,276,281

FLUID HEAT EXCHANGE APPARATUS

Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application December 21, 1938, Serial No. 246,981

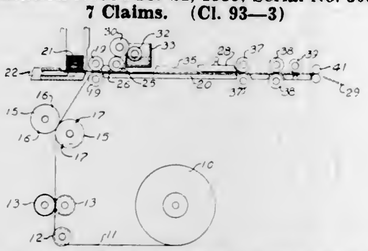
13 Claims. (Cl. 122—235)



6. A superheater including two kinds of spaced

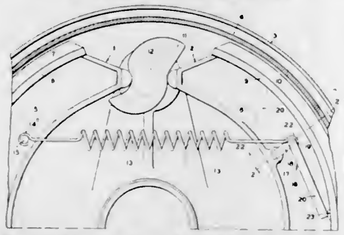
heating elements extending across a gas pass and arranged with the inter-element gas flow lanes or spacings of different widths transversely of gas flow, the heating elements of one of said kinds being disposed in positions marginal to the wider spaces and having steam flow capacities per unit of heat absorbing ability greater than those of the elements of the other kind.

2,276,282
RAZOR BLADE WRAPPING MACHINE
William Bindszus, Rutherford, N. J.
Application November 21, 1939, Serial No. 305,426
7 Claims. (Cl. 93—3)



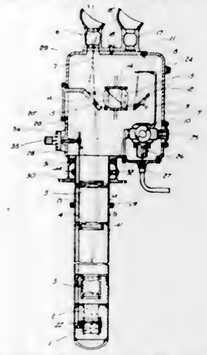
1. A razor blade wrapping machine of the character described and wherein the strip of wrapping material serves as a conveyor for the blades, comprising, in combination, means for scoring the strip lengthwise, means for notching the opposite edges of the strip transversely at regular intervals to form flaps foldable along the scores, means for successively feeding blades together with the strip, means for gumming the flaps, means for folding the flaps one upon the other to envelop the blades, driving rolls coacting with said feeding means to maintain the strip steady under a fixed tension, and means for severing the individual wrapped blades.

2,276,283
ASSEMBLING MEANS FOR BRAKE SHOE RETRACTING SPRINGS
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 31, 1914, Serial No. 386,000
8 Claims. (Cl. 188—78)



1. In braking apparatus, a brake shoe, a retracting spring therefor, and means for placing said retracting spring under tension comprising a pivoted member, means for connecting one end of the spring to said member at a point radially spaced from the pivotal axis thereof, and a stop for limiting the rotation of said pivoted member in one direction, said stop being so positioned that the member when rotated from a position where the point of connection between the end of the spring and the member is on that side of the pivotal axis of the member adjacent the body of the spring to a position engaging the stop the spring will be tensioned and the line of pull of the spring will be such in relation to the pivotal axis of the member as to hold the member against the stop and prevent its reverse rotation.

2,276,284
DRIFT METER
Samuel M. Burka, Dayton, Ohio, and Carl J. Crane, Montgomery, Ala.
Application March 25, 1939, Serial No. 264,107
7 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A drift meter for aircraft, comprising a sighting tube, means for supporting said sighting tube for rotation about a longitudinal, substantially vertical axis, optical means for transmitting and focusing in a given focal plane in the line of sight of said tube, images of observed terrestrial objects, a gyroscope, a gimbal ring mounting for said gyroscope, a reticle carried by said gyroscope to pivot about said gimbal ring mounting, optical means for transmitting and focusing an image of said reticle in the said given focal plane with the said images of terrestrial objects and with the same orientation, the radius of pivotation of the grid reticle being so selected with respect to the focal lengths of the optical systems as to produce, upon tilt of the said drift meter, equality of movement in the same direction of the reticle and ground images.

2,276,285
PILOTS' DRIFT METER AND BOMB SIGHT
Samuel M. Burka, Dayton, and George V. Holloman, Fairfield, Ohio
Application April 5, 1939, Serial No. 266,093
7 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pilot's drift meter comprising an eyepiece

end adapted to be attached to the instrument panel of an airplane with the longitudinal axis of the eyepiece end in substantial alignment with the head of the pilot when in normal flying position, an objective end adapted to be positioned so that exterior objects may be observed thereby, an optical system for transmitting an image of an observed object from said objective end to said eyepiece end, including optical means in said objective and eyepiece ends, a portion of said eyepiece end being rotatable about its longitudinal axis, a reticle carried by said rotatable portion of said eyepiece end, means for indicating the position of rotation of said portion of said eyepiece end to thereby indicate drift, and a negative lens carried by said rotatable portion and located at the equivalent focal point of the optical means in the eyepiece end for increasing the distance of images to a predetermined distance from the eyepiece end while maintaining the equivalent focal length of the optical means of the eyepiece.

2,276,286
METHOD OF TREATING PROTECTIVE COATINGS ON MAGNESIUM AND ITS ALLOYS
Robert W. Buzzard, Kensington, Md.
No Drawing. Application July 26, 1937, Serial No. 155,699
6 Claims. (Cl. 204—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

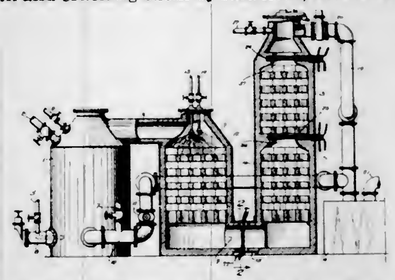
4. A method of producing protective coatings of improved corrosion resistance on articles of magnesium or magnesium base alloys which comprises forming on the metal an anodic coating produced by reaction with the magnesium, subjecting said coating to a non-electrolytic treatment in a hot solution containing a water soluble compound selected from the group consisting of the chromates and dichromates and also a water soluble salt selected from the group consisting of the sulphates, phosphates, molybdates, borates and fluorides, the pH of such solution being on the acid side, and then immersing the treated article in a liquid bath of a waterproofing agent selected from the group consisting of petroleum base oils, waxes, resins and drying oils at a temperature not substantially below the boiling point of water, the latter treatment being continued until the evolution of gas from the treated article substantially ceases.

2,276,287
PRODUCTION OF CAST IRON
Henry T. Chandler, New York, N. Y., assignor to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application October 11, 1940, Serial No. 360,841
11 Claims. (Cl. 75—127)

1. A preformed alloy for addition to molten cast iron, containing about 0.10 to 10% carbon, about 10 to 65% chromium, about 2 to 50% manganese, about 5 to 50% silicon, and an effective amount up to about 20% calcium, the balance being substantially all iron except for incidental impurities.

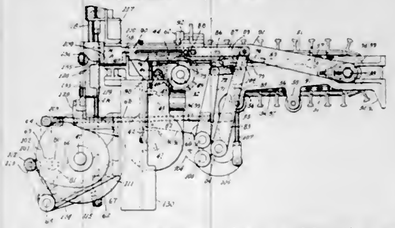
2,276,288
PRODUCTION OF VALUABLE HYDROCARBONS
Newcomb K. Chaney, Moylan, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 19, 1938, Serial No. 235,712
14 Claims. (Cl. 196—61)

4. In the production of manufactured gas and valuable hydrocarbons by the thermal cracking of fluid hydrocarbons in vapor phase, the steps comprising establishing a heated path, passing said fluid hydrocarbons in vapor phase along said path and cracking them by said heat, withdrawing



a portion of the moderately cracked products intermediate the ends of said path, exposing said withdrawn products to severe cracking conditions to form reactive radicals, and returning the resulting products to said path for reaction with the unwithdrawn products.

2,276,289
CIGAR MACHINE FILLER FEED
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application April 29, 1936, Serial No. 76,932
30 Claims. (Cl. 131—21)

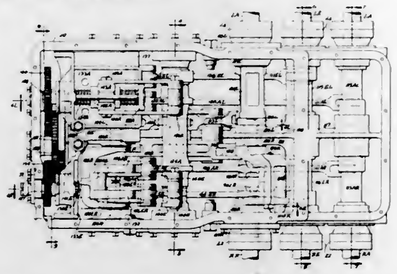


1. In a cigar machine, the combination with means for forwarding a stream of cigar filler lengthwise, of mechanism for depositing layers of tobacco leaves in shingled relation on said means to form a continuous stream of filler tobacco thereon, mechanism for separating bunch lengths from said stream, mechanism for compacting the bunch lengths, a device for separating bunch charges from the compacted bunch lengths.

2,276,290
VALVE MOTION MECHANISM FOR FLUID PRESSURE ENGINES
Raymond P. Delano, Jr., Catonsville, Md., assignor to The Balmar Corporation, Baltimore, Md., a corporation of Maryland
Application July 15, 1940, Serial No. 345,479
30 Claims. (Cl. 121—116)

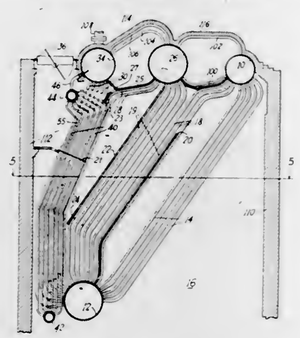
1. For a locomotive engine or the like, having relatively movable admission and exhaust valve means, a valve gear comprising: mechanism for actuating the admission valve means in timed relation to the engine cycle including means for progressive timing adjustment of the admission valve events, mechanism for actuating the exhaust valve means in timed relation to said cycle including means for progressive timing adjustment of the exhaust valve events, and coordinating mechanism coupled to both of said

timing adjustment means, movable through a range from full-gear position to neutral position, and incorporating apparatus for effecting adjustment movement of said two means simultaneously at different rates within a portion of said range and for effecting a dwell of one of said means at a predetermined point of said range while continuing the movement of the other of said means.



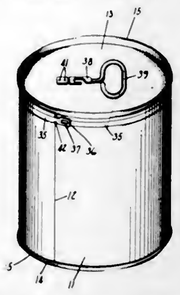
23. In a locomotive engine valve gear, having separate adjustment means for altering the timing of admission and exhaust valves respectively, a coordinating mechanism interconnecting said means and comprising a partial gear, a gear adapted to mesh therewith, and shroud means positioned to prevent rotation of one of said gears when said two gears are out of engagement.

2,276,291
VAPOR GENERATOR
George D. Ebbets, Kenilworth, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 9, 1938, Serial No. 229,074
5 Claims. (Cl. 122—302)



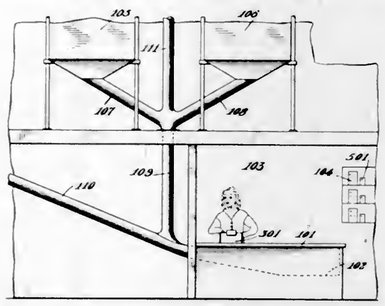
1. In a water tube steam boiler, means forming a submerged water chamber, upper drums, front and rear banks of tubes connecting the water chamber to the upper drums, an economizer including upright tubes in rows positioned between the rows of boiler tubes of said rear bank of tubes and extending in parallelism therewith, said economizer tubes having their upper and outlet ends joined to a separate header or drum in communication with the rear upper drum, the lower ends of the economizer tubes being joined to a separate lower header or drum, and means for supplying feed water to the last mentioned separate header or drum, there being normally no direct communication between said water drum and the lower ends of the economizer tubes.

2,276,292
CONTAINER
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,140
4 Claims. (Cl. 220—54)



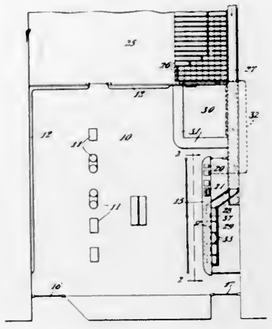
4. A sheet metal can comprising a tubular body having a soldered side seam, top and bottom ends secured to said body, said body having a wall folded upon itself adjacent said top end to provide a three wall thickness at the fold, and a double wall tearing strip formed in the outer and intermediate folds of said triple body wall and extending beyond the said side seam in a double wall engaging tongue which is perforated at the side seam to provide passage for the solder used in sealing the side seam parts together, said tongue also having another opening for insertion of an opening key, said tearing strip being set off by score lines cut in said outer and intermediate folds and terminating in the side seam, the tearing strip being adapted for removal in opening the can.

2,276,293
ARTICLE ORDER ASSEMBLY SYSTEM AND APPARATUS THEREFOR
Paul M. Farmer, Maplewood, N. J.
Application May 4, 1938, Serial No. 206,089
3 Claims. (Cl. 234—1.5)



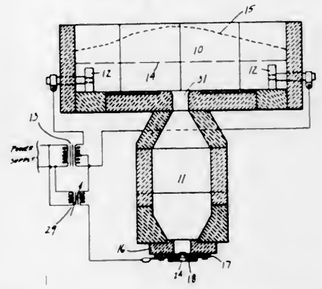
3. In an article assembly system for assembling orders from articles stored in separate bins, releasing means for dispensing said articles, remote operator-controlled means for selectively operating said releasing means, recording means operated in response to the operation of said operator-controlled means for concurrently making records of articles released, and means including a marker in said recording means for making a notation on the record when there is no article available to be released upon the operation of the control means.

2,276,294
ARTICLE ORDER SEGREGATING SYSTEM AND APPARATUS THEREFOR
Paul M. Farmer, Maplewood, N. J.
Application June 10, 1939, Serial No. 278,543
11 Claims. (Cl. 186—1)



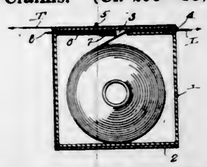
1. In article handling apparatus for mechanical dispensing systems provided with selective control apparatus for selectively operating the dispensing system to deliver wanted articles, an order assembly unit including a plurality of separate order handling positions adjacent each other, conveyor means for carrying selected articles from the mechanical dispensing system to said assembly unit, means for transferring articles in groups step-by-step from one order handling position to another, and means including the selective control apparatus of the dispensing system for operating said transferring means.

2,276,295
ELECTRIC GLASS MELTING FURNACE
John Ferguson, Cleveland, Ohio
Application June 14, 1940, Serial No. 340,433
3 Claims. (Cl. 13—6)



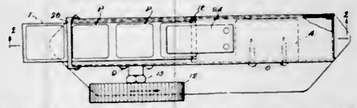
2. In a discharge orifice construction for a chamber adapted to contain molten glass, a refractory orifice block having a discharge orifice therein, an electrical conducting lining for said orifice, an electrode in the floor of said chamber spaced from said lining, a second electrode in contact with molten glass and remote from said orifice, and means for passing an electric current through said glass between said electrodes, said lining being located with respect to said electrodes so that at least a part of said current passes through said glass from one electrode to said lining and thence to the other electrode.

2,276,296
LABEL DISPENSER
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 31, 1938, Serial No. 248,781
7 Claims. (Cl. 206—58)



1. A package comprising a strip of tape and sheet material temporarily adhering to one side of the tape with normally-tacky adhesive which readily peels off the tape, a container having a passage through which the tape and sheet material may be pulled along a predetermined path, said package having a smooth guiding edge positioned adjacent said path and extending edgewise thereof, said edge contacting the side of the tape opposite to said side to which the sheet material adheres, and the position of said edge with respect to the outer surface of the package being such as to permit the tape to be peeled away from the sheet material along a path making an angle to said first path at least of the order of a right angle, whereby the sheet material may be projected from the container merely by pulling the free end of the tape over said edge.

2,276,297
LABEL DISPENSER
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 31, 1938, Serial No. 248,782
29 Claims. (Cl. 242—55)

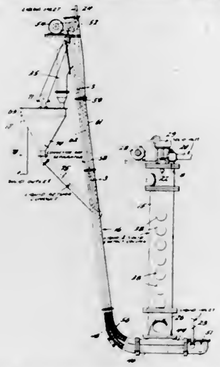


1. For dispensing labels which are adhesively mounted on a backing strip, a device having an edge over which the backing strip may be drawn to peel it from the labels, a container having space to receive the backing strip after it is peeled from the labels, and means for drawing the strip over said edge and thence delivering the strip into said space, said edge being sufficiently sharp to cause the labels to separate from the backing strip and to project successively along a course forming a continuation of the path of the strip as the latter approaches said edge, the projection taking place solely because of the drawing of the backing strip over said edge, said course being unobstructed and extending out of the device so that the foremost label may be grasped as it is projected from the strip out of the device.

2,276,298
SOLID AND LIQUID CONTACT APPARATUS
Charles H. Frazier, Cincinnati, Ohio, assignor to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
Application April 18, 1939, Serial No. 268,647
9 Claims. (Cl. 23—270)

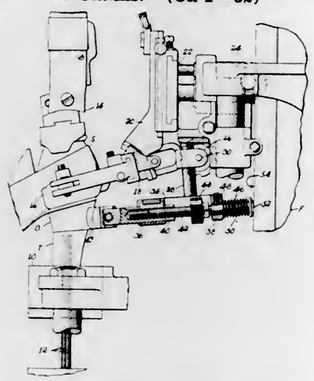
1. In apparatus for treating a solid material with a liquid, the combination with a generally upright column having in the upper portion an

inlet for solid material, means within said column for retarding downward movement of said material therein, means for causing liquid to circulate in said column, conveying means constructed and arranged to remove said material from the lower portion of the column and elevate the same to a discharge point higher than the



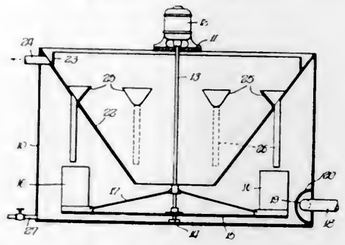
level of liquid in the column, and liquid pervious conveying means constructed and arranged to drain the liquid from the solid material conveyed thereby, said conveying means being driven at a higher linear speed than said first conveying means and receiving the said material from the latter in a relatively thin layer to facilitate removal of liquid therefrom.

2,276,299
MACHINE FOR ATTACHING TWO-SECTION HEELS
Willis R. Goodwin, Auburn, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 20, 1940, Serial No. 336,117
15 Claims. (Cl. 1—32)



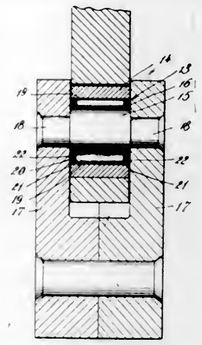
1. In a heel-attaching machine, a support for a shoe carrying an attached heel-section, a support for an unattached heel-section, the supports being movable relatively to press the heel-sections together, means contacting with the rear of the attached section for preventing its displacement upon the application of pressure, and means for inserting fastenings through the unattached heel-section into the attached heel-section.

2,276,300
LIQUID TREATING PROCESS AND APPARATUS
Walter H. Green, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a corporation of Delaware
Application May 23, 1938, Serial No. 209,432
7 Claims. (Cl. 210—16)



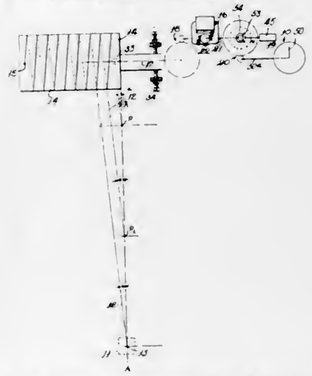
1. Apparatus of the type described, comprising a reaction chamber having means for setting a liquid therein in rotary agitative motion, an upwardly expanding clarification chamber having a lower main communication with said reaction chamber, diverse downwardly extending conduits extending from above said main communication to said reaction chamber, and means for withdrawing liquid from said clarification chamber above said conduits.

2,276,301
ANTIFRICTION BEARING
Alfred T. Gregory, Farmingdale, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Application October 27, 1939, Serial No. 301,520
3 Claims. (Cl. 308—207)



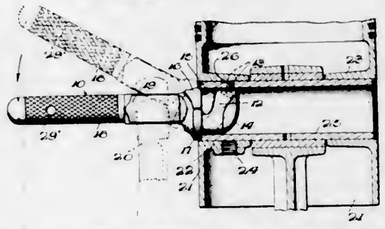
1. In a needle bearing, the combination of radially-spaced inner and outer races forming an annulus, transverse members extending at least partly across the annulus, needles having rounded ends arranged parallel to the axis of rotation of the bearing within the said annulus and between said transverse members, and substantially identical thin rings having opposite substantially plane parallel surfaces interposed between each of the ends of said needles and the corresponding transverse member and within said annular space, said rings being sufficiently light in weight to render them capable of free independent rotation in either direction during operation of said bearing in response to drag of the needles thereon.

2,276,302
MEASURING DEVICE
Eric S. Guttmann, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application October 11, 1939, Serial No. 298,923
30 Claims. (Cl. 33—125)



1. In a precision measuring device, the combination of a rotatable drum having a precision form peripheral surface which is a surface of revolution about the axis of rotation of the drum, a structurally separate helical member encircling said drum and fixed thereon to define between its convolutions a helical channel with an accurately formed root on the drum periphery, a thin flexible element wound about said drum in said channel with one end fixed to the drum and the other arranged to be unreeled therefrom, an indicator, and means driven by said drum for actuating said indicator in response to drum rotation.

2,276,303
PISTON WRIST PIN SETTING TOOL
Harvey H. Herrig, Havre, Mont.
Application January 25, 1941, Serial No. 376,005
4 Claims. (Cl. 29—88.2)



1. A tool for use with hollow wrist pins or the like, comprising a rigid body adapted to be inserted into an end of a wrist pin and provided with a cylindrical surface of substantially the same circumference as the inside circumference of the wrist pin and adapted when inserted in the end of a wrist pin to have a relatively close fit with the inner surface of the pin, and a lug projecting radially from the cylindrical surface of said rigid body for engagement with a radial hole formed in and adjacent one end of the wrist pin, said lug cooperating with said cylindrical surface to detachably lock the tool to the wrist pin to permit rotation of the wrist pin, said body being provided with spaced reduced portions at opposite sides of the cylindrical surface to provide clearance to permit insertion and removal of the tool without any binding between the tool and interior of the wrist pin, said body having a substantially semi-circular flange projecting radially therefrom and joining the cylindrical surface on the portion of the body opposite the lug and constituting an abutment for engaging an end of the wrist pin when the tool is finally moved to operative position.

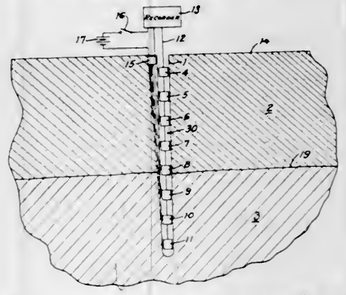
2,276,304
COMPOSITION OF MATTER
James H. Hunter, Lansdowne, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application June 30, 1938, Serial No. 216,828
2 Claims. (Cl. 106—152)

1. A composition of matter comprising a resinous extract derived from long leaf yellow pine trees, said extract consisting essentially of oxidized abietic acid and having corn protein dissolved therein.

2,276,305
FILM
Albert Hershberger, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1940, Serial No. 316,937
7 Claims. (Cl. 260—23)

1. An organic solvent dry casting solution of polyvinyl acetal containing 0.5% to 5% (based on the solids content of the casting solution) of alkylamine salt of a fatty acid containing 12 to 20 atoms.

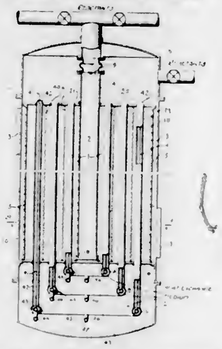
2,276,306
SYSTEM FOR MAKING WEATHERING CORRECTIONS
Herbert Hoover, Jr., Sierra Madre, and Hugh C. Schaeffer, Tulare, Calif., assignors, by direct and mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application July 26, 1939, Serial No. 286,647
8 Claims. (Cl. 181—0.5)



1. The method of obtaining data for making weathering corrections in an area where a weathered layer and a contiguous subweathered layer have different seismic wave velocities on opposite sides of the interface separating the layers, which comprises the steps of generating at a point adjacent the surface a seismic wave which travels through the weathered layer into the subweathered layer along a path which is substantially perpendicular to the interface separating the two layers, receiving the wave at a

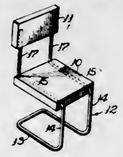
plurality of spaced points within the layers at known depths, and measuring the time elapsed between the instant of wave generation to the instant of wave reception at each of the reception points, whereby the location of the bottom of the weathered layer and the time required for the wave to travel therethrough may be determined from a discontinuity in the relationship between wave-travel time and reception point depth.

2,276,307
CATALYTIC CONVERTER
Eugène J. Houdry, Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application April 18, 1938, Serial No. 202,689
2 Claims. (Cl. 23—288)



2. Apparatus for effecting chemical reactions comprising a cylindrical casing having an apertured side wall, an apertured conduit disposed concentrically of the casing and forming with said apertured side wall a reaction chamber, apertured partitioning means in the reaction chamber disposed concentrically of the apertured conduit forming a plurality of concentric chambers each adapted to contain a contact mass of different catalytic activity, an outer chamber surrounding the apertured casing side wall for cooperating with the apertured conduit in passing reactants across the contact masses, a group of tubes in each of said concentric chambers disposed concentrically, each group being so constructed and arranged as to conduct an independent stream of heat exchange fluid in indirect heat exchange relation with contact mass in each of said concentric chambers to maintain each mass at a different temperature.

2,276,308
MINIATURE FURNITURE AND METHOD OF MAKING SAME
Joseph A. Hugh, Chicago, Ill., assignor, by mesne assignments, to Peter P. Race, Chicago, Ill.
Application January 28, 1939, Serial No. 253,265
13 Claims. (Cl. 46—15)



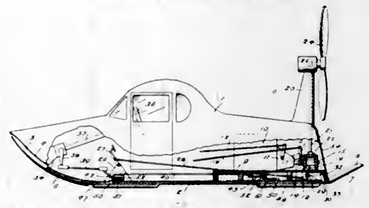
1. An article of miniature furniture comprising, in combination, a body block adapted in use to lie with its major plane substantially horizontal, a second block with its major plane at an angle to said body block, and a wire frame structure for supporting the article above a carrying surface having elements extending through said body block and into engagement with said second block.

2,276,309
FORMALDEHYDE - POLYALKYLENE POLYAMINE CONDENSATION PRODUCTS AND PRODUCTION THEREOF
Hans Georg Hummel, Mannheim, and Michael Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 19, 1937, Serial No. 131,824. In Germany March 19, 1936
6 Claims. (Cl. 260—72)

1. The process for producing nitrogenous condensation products which comprises causing formaldehyde to react with a compound derived from a polyalkylene polyamine of the formula $H_2N—(X—NH)_y—H$ (wherein X is an alkylene group and y a whole number above 1) by substitution on the nitrogen by the acyl radicle of montanic acid and by one radicle selected from the class consisting of $—CO—NH_2$ and $—CS—NH_2$.

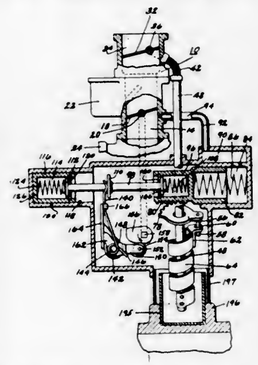
3. The process of producing nitrogenous condensation products which comprises causing formaldehyde to react only with a compound selected from the class consisting of those derived from a polyalkylene polyamine of the formula $H_2N—(X—NH)_y—H$ (wherein H is an alkylene group and y an integer above 1), by substitution on at least one nitrogen atom by at least one substituent selected from the class consisting of the radicles —R and —CO.R′ (wherein R stands for a hydrocarbon radicle containing at least 8 carbon atoms and R′ stands for a carboxylated hydrocarbon radicle), and the derivatives of such compounds derived by further substitution on at least one nitrogen atom thereof by one substituent selected from the class consisting of $—CO.NH_2$ and $—CS.NH_2$.

2,276,310
SNOW BOAT
Claude James, Iron Mountain, Mich., assignor of one-half to Claude Allen Moore, Iron Mountain, Mich.
Application August 2, 1940, Serial No. 349,621
2 Claims. (Cl. 180—3)



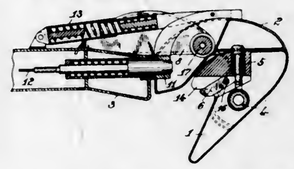
1. A snow boat comprising a body, a rearwardly extended and upwardly inclined stern piece at the rear end of the body, and driving means for the body, including a propeller wheel mounted to rotate about a substantially horizontal axis, the body having a plate-like rear end wall located directly below the propeller wheel and extended upwardly to a place closely adjacent to the periphery of the propeller wheel, the rear end wall being inclined downwardly and rearwardly to the stern and being substantially as wide as the stern piece, to direct air from the propeller on the stern piece and free it from snow, the stern piece constituting means for limiting the squatting of the body at its rear end.

2,276,311
AUTOMATIC CHOKE MECHANISM
Clarence H. Jorgensen, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 24, 1936, Serial No. 107,480
44 Claims. (Cl. 123—119)



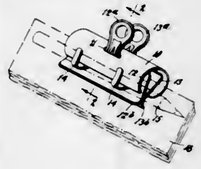
1. In a charge forming device having a mixture passage, means for supplying fuel and air thereto to form a combustible mixture and a throttle for controlling the flow of said mixture, means for automatically controlling the proportions of fuel and air in said mixture, a thermally responsive device, and a device operable by engine suction for variably regulating the position of said means, and resilient means operable by the throttle for controlling the action of said devices.

2,276,312
LANDING HOOK FOR AIRCRAFT
Kurt Jurschick, Brandenburg, Havel, Germany, assignor to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg, Havel, Germany
Application October 11, 1938, Serial No. 234,450
In Germany October 13, 1937
5 Claims. (Cl. 244—110)



1. An aircraft landing hook for engaging a braking cable extending across a landing station, said landing hook comprising three principal members, locking means for holding two of said members together to provide an opening to receive the braking cable, locking means for locking said members relative to the third member, means operable by the braking cable on entering the opening to release the first mentioned locking means, means to cause the two members to close around the braking cable and to remain closed, said last mentioned means including a nose on one of the principal members projecting in the operative position of the hook into the opening thereof and adapted to be turned about another main member, means for releasing the second mentioned locking means and means thereafter operable by the braking cable to move the three members into an open position to release the braking cable.

2,276,313
CLIP PENCIL HOLDER
Louis W. Keppel, Bayonne, N. J.
Application November 3, 1939, Serial No. 302,633
3 Claims. (Cl. 24—81)



1. In a pencil holding clip having a longitudinally split hollow cylindrical spring with a pair of openings in its back side, a pair of gripping jaws extending through the longitudinal edges of the split side of said spring and having handle portions extending through said pair of openings, and prongs extending over a portion of said cylindrical spring for holding a pencil against said cylindrical spring.

2,276,314
TANNING
Joseph S. Kirk, Seven Hills, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1940, Serial No. 355,606
11 Claims. (Cl. 149—5)

1. A tanning composition comprising a silicic acid sol containing a soluble aluminum compound and an amide.

2,276,315
TANNING
Joseph S. Kirk, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1941, Serial No. 396,565
13 Claims. (Cl. 149—5)

1. A tanning composition comprising a silicic acid sol and a water-soluble, organic hydrogen bonding donor compound.

2,276,316
EMULSIFYING AND FOAMING AGENTS AND PROCESS OF PRODUCING THEM
Henry R. Kraybill, Pearl H. Brewer, and Max Horsley Thornton, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application October 30, 1937, Serial No. 171,910
4 Claims. (Cl. 260—403)

1. An emulsifying and foaming agent, derived by extraction from soy-bean oil, and soluble in water solutions of an alkali to form a solution from which a precipitate may be obtained by the addition of either hydrochloric or sulfuric acid.

2,276,317
PHOSPHATIDES AND PROCESS OF PRODUCING THEM

Henry R. Kraybill, Pearl H. Brewer, and Max Horsley Thornton, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

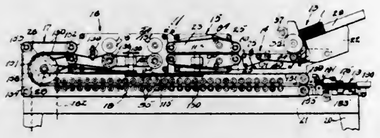
No Drawing. Application October 30, 1937, Serial No. 171,984
1 Claim. (Cl. 260—403)

A phosphatides-rich material, substantially oil-free and at ordinary temperatures a very viscous liquid, derived from soy-bean oil, substantially completely soluble in ether and in anhydrous alcohol and in acetone, and substantially insoluble in dilute alcohol.

2,276,318
CUP MAKING MACHINE

Harold S. Labombarde, Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware

Application June 22, 1938, Serial No. 215,123
31 Claims. (Cl. 93—36.05)

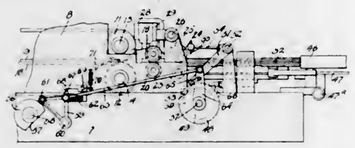


1. In a machine of the character described, forming elements arranged to act upon a flat paper blank and fold portions of the blank on other portions thereof to form the blank into a flat envelope type drinking cup, said forming elements being entirely exterior of the blank, conveying means arranged to carry a plurality of blanks simultaneously and in successive order past said forming elements, means to deliver blanks in spaced successive order to said conveying means, retarding means arranged to insure the delivery of a blank to the conveying means at a predetermined time, receiving mechanism for completed cups, and means to partially expand each cup as it enters the receiving mechanism and nest it in previously received cups.

2,276,319
CONTAINER RECEIVING MECHANISM

Harold S. Labombarde, Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware

Application June 22, 1938, Serial No. 215,125
17 Claims. (Cl. 93—36.05)

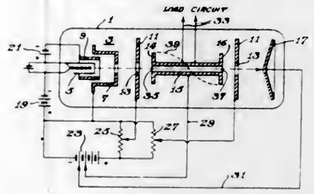


1. In mechanism for receiving cups from forming means, a continuously traveling conveyor having members shaped to receive and carry along a plurality of flat drinking cups in nested relationship and disposed to expand the mouths of received cups for the nested reception of following cups.

2,276,320
CENTIMETER WAVE DEVICE

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1939, Serial No. 281,927
18 Claims. (Cl. 250—27)

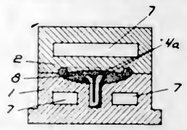


1. An electronic device including an electronic gun, means for beaming the electrons from said gun, a hollow resonant electrode for shielding electrons projected from external fields, said resonant electrode having an effective length equal to an integral number of half wave lengths of the oscillatory currents established thereon, means for directing said beam of electrons through said hollow electrode along its longitudinal axis, and means for adjusting the velocity of the electrons passing through said hollow electrode so that the distribution of oscillatory potentials along the length of said electrode alter the energy of said electrons.

2,276,321
BUTTON

Henning Waldemar Lindahl, Landskrona, Sweden

Application February 2, 1940, Serial No. 317,034
In Sweden April 18, 1939
4 Claims. (Cl. 24—90)



1. A button of the character described comprising a head piece molded from a plastic mass and a shank member centrally located therein and consisting of a cord of soft, strong and flexible material doubled upon itself and having the free ends thereof integrally molded to the head piece.

2,276,322
PHOTOGRAPHIC EMULSIONS

Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 1, 1940, Serial No. 349,296
11 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion containing a silver halide dispersed by an amino-nitrogen dispersing agent selected from the group consisting of the water-soluble amino carbohydrate dispersing agents and the water-soluble amino-resin dispersing agents, carried by a protective colloid selected from the group consisting of the organic acid esters of cellulose having an acyl content of 19–26%, the polyvinyl acetaldehyde acetals having a polyvinyl acetal content of at least 50% and a polyvinyl alcohol content of at least 15%, the polyvinyl propionaldehyde acetals having a vinyl alcohol content of 45–60%, the polyvinyl butyraldehyde acetals having a vinyl alcohol content of 60–80%, the polyvinyl alcohols and the polyvinyl acetates having a polyvinyl acetate content of 59–71%, and sensitized by a sulfur sensitizer.

2,276,323
PHOTOGRAPHIC SILVER HALIDE EMULSION

Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 5, 1940, Serial No. 368,661
14 Claims. (Cl. 95—7)

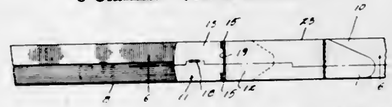
1. A method of preparing photographic silver halide emulsions which comprises preparing the silver halide in an aqueous solution of a silver halide dispersing agent and subsequently adding thereto a protective colloid selected from the group consisting of the polyvinyl lower fatty acid esters having a vinyl acylate content of 0.5—5% and the polyvinyl acetates of 59—71% vinyl acetate content, substantially the remainder being vinyl alcohol.

9. A photographic silver halide emulsion comprising a finely dispersed silver halide resulting from preparing it in an aqueous solution of a silver halide dispersing agent and a protective colloid selected from the group consisting of polyvinyl lower fatty acid esters having vinyl acylate contents of 0.5–5% and polyvinyl acetates having vinyl acetate contents of 59–71%, substantially the remainder being vinyl alcohol.

2,276,324
CLEAN TIP FOR TYPEWRITER RIBBONS

Hessina Mann, New Brunswick, N. J., assignor to Phillips Ribbon & Carbon Co. Inc., Rochester, N. Y., a corporation of New York

Application February 6, 1941, Serial No. 377,736
3 Claims. (Cl. 197—172)



1. A clean tip for facilitating the renewing of a typewriter ribbon comprising a coupling element formed of a flexible body of tape-like form having means intermediate its ends adapted to connect it against both faces of an end terminal portion of a ribbon, said body having one face formed with an adhesive coating extending from said means to one end and with a longitudinal slot disposed between said means and the other end thereof, and a protecting element formed of a flexible body of tape-like form provided on a portion of one face thereof with an adhesive coating for detachably connecting it to the said face of the other of said bodies and in overlapping relation with respect to a part of said terminal portion, the said adhesive coatings providing means for detachably connecting said elements to an end terminal portion of another typewriter ribbon.

2,276,325
LATCHING DEVICE

Rollo Marple, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan

Application October 24, 1939, Serial No. 301,025
7 Claims. (Cl. 70—146)

1. In a latch, the combination of a case plate, a bolt member slidably guided upon said case plate and means for retracting the same, a slide member interposed between the base of the case

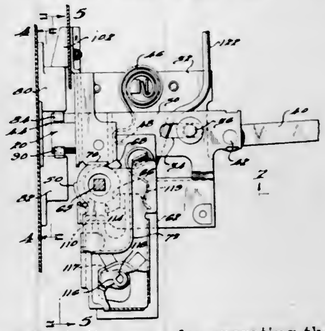
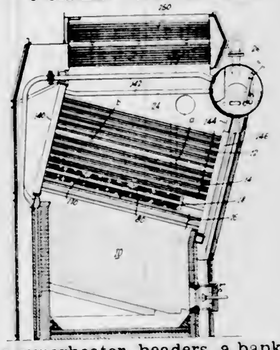


plate and the bolt, means for operating the slide, and means carried by the slide and movable into blocking relation to the bolt so as to prevent retraction thereof.

2,276,326
FLUID HEAT EXCHANGE APPARATUS

Marten Martensson, Washington, D. C., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application April 19, 1939, Serial No. 268,673
6 Claims. (Cl. 122—478)



1. In a superheater, headers, a bank of spaced U-tubes connected to the headers and arranged in groups transversely of gas flow, the spacing of the tubes within each group being uniform and less than the spacing of the groups transversely of gas flow, means whereby the groups of U-tubes are connected for series flow of steam therethrough from group to group, and by-pass tubes extending across gas flow adjacent the spaces between the groups and arranged so as to cause steam to by-pass some of the U-tubes in order that overheating tendencies adjacent the junctions of the groups may be overcome by increased heat absorption by the by-pass tubes.

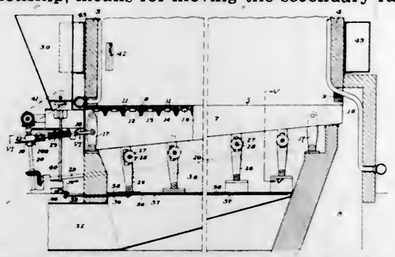
2,276,327
METHOD OF AND APPARATUS FOR BURNING FUEL

Martin A. Mayers, Pittsburgh, Pa., assignor to Carnegie Institute of Technology of Pittsburgh, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 28, 1939, Serial No. 296,934
17 Claims. (Cl. 110—44)

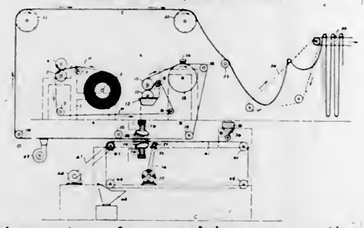
2. A multiple retort underfeed stoker for

burning coal having alternate parallel fuel retorts and tuyère stacks in side by side relationship wherein the width of the retorts does not exceed 50% of the width of the tuyère stacks, said fuel retorts having a plurality of secondary rams, the ends of which are in overlapping relationship, means for moving the secondary rams



in a step-like motion relatively to each other so that fuel thereon is moved from the front to the rear of the grate, means for supplying combustion air through the tuyère stacks, valves for controlling the flow of combustion air, and means for opening and closing the valves in synchronism with the movement of the tuyère stacks.

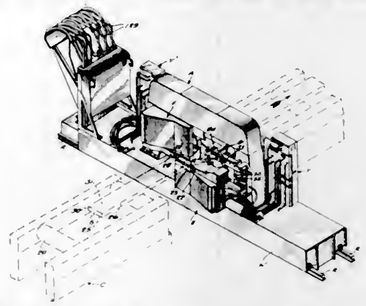
2,276,328
COATING APPARATUS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application April 2, 1935, Serial No. 14,312
4 Claims. (Cl. 91—18)



1. Apparatus for applying a coating of oriented abrasive particles to a moving web, comprising a magnet having oppositely positioned upper and lower poles, means for passing the web to be coated between said poles with an adhesive coated surface facing downwardly, a feed belt movable between the adhesive coated web and the lower of said poles, means for supplying magnetically susceptible abrasive particles to said feed belt to be carried between the said poles and beneath the adhesive coated web, and mechanical means for projecting the abrasive particles upwardly from the belt against the downwardly facing adhesive coated surface of the web while said particles are subjected to the orienting action of the magnetic field between the said poles.

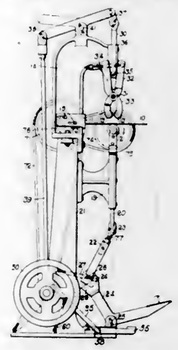
2,276,329
APPARATUS FOR CONDITIONING METAL BODIES
Alfred J. Miller, Garwood, James H. Bucknam, Cranford, and William C. Weidner, Grantwood, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application August 10, 1940. Serial No. 352,042
26 Claims. (Cl. 266—23)

1. Apparatus for conditioning the longitudinal surfaces of an elongated ferrous metal body comprising in combination a plurality of blowpipe heads equal in number to the longitudinal surfaces to be simultaneously conditioned, each head being adapted to apply a gaseous stream against a corresponding longitudinal surface; means for supporting and longitudinally propelling such a body; means for supporting said heads adjacent said body when so propelled; means for adjusting each of said heads transversely of and parallel



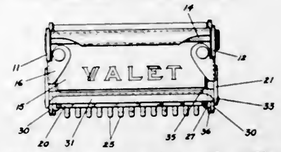
to the corresponding longitudinal surface to maintain a similar end of each head substantially flush with an adjacent surface edge and to vary the exposed width of each head according to the width of the corresponding longitudinal surface; means for adjusting said heads toward and away from the center of said body according to the cross-sectional dimensions of said body; and means for varying the effective width of each head according to the width of the corresponding longitudinal surface.

2,276,330
SOLE FLEXING MACHINE
Napoleon A. Monfils, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Flemington N. J., a corporation of New Jersey
Application March 3, 1941, Serial No. 381,435
13 Claims. (Cl. 12—41.2)



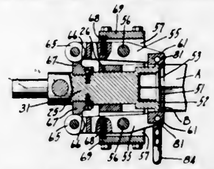
1. A sole-flexing machine comprising an anvil-roll, a pair of parallel flexing rolls arranged to cooperate therewith, said flexing rolls being movable toward and from each other, spring-biased means by which said flexing rolls are normally moved toward each other but enabled to be wedged apart by said anvil-roll, and power-operated means by which relative reciprocations of said anvil-roll and said flexing rolls are caused to wrap a portion of a sole repeatedly around a segment of said anvil-roll.

2,276,331
SAFETY RAZOR
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application June 24, 1939, Serial No. 280,962
14 Claims. (Cl. 30—35)



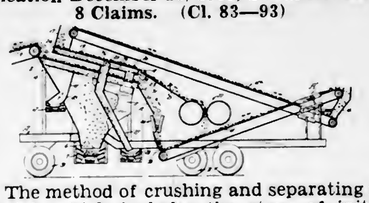
1. In a safety razor having a handle, a blade seat and a blade thereon, a toothed guard member mounted on the seat side of the blade for movement into guarding relation to the blade edge, a supplementary guard member carried bodily by the movable guard member and movable itself with relation thereto in a path to guard the other side of the blade edge, and a single operating device for moving both guard members.

2,276,332
METHOD OF AND APPARATUS FOR ATTACHING END MEMBERS TO CONTAINER BODIES
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 7, 1940, Serial No. 364,732
8 Claims. (Cl. 93—55.1)



1. A method of attaching end members to container bodies, which comprises engaging a body having a curved end member loosely inserted therein with a rigid medium of different curvature and clamping the body and end thereagainst to change the curvature of said end member and temporarily spring the same from its original condition, permanently securing the sprung end member to the container body, and releasing the clamped pressure on the secured end member so that it will spring back into an intermediate desired predetermined condition.

2,276,333
APPARATUS AND METHOD FOR CRUSHING AND SEGREGATING MATERIALS
Melvin Ovestrud, Minneapolis, Minn., assignor to Pioneer Engineering Works, Inc., Minneapolis, Minn., a corporation of Delaware
Application December 14, 1939, Serial No. 309,204
8 Claims. (Cl. 83—93)



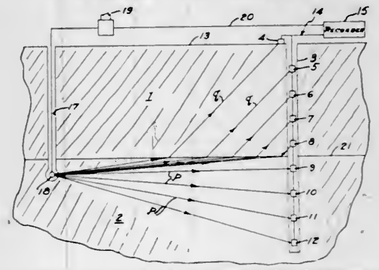
1. The method of crushing and separating rock material, which includes the steps of initially screening the material to remove particles of all sizes less than a selected maximum, crushing the material rejected in this step of the method, screening the crushed material separately from the first screening step to remove a product of substantially uniform size less than the maximum resulting from said initial screening step, screening out the fines from said product and joining them with the smaller sized material of the first screening, and finally delivering said product separate from all other materials.

2,276,334
MERCURIAL BAROMETER
John B. Peterson, Bethesda, Md.
Application August 23, 1940, Serial No. 353,875
1 Claim. (Cl. 73—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fixed-cistern liquid barometer, comprising a tube, a cistern into which said tube extends, a scale along said tube, a liquid in said tube and said cistern, a tapered plug dipping into said cistern, said tapered plug being adjustable, and temperature actuated means to automatically adjust said tapered plug to provide temperature compensation.

2,276,335
METHOD OF MAKING WEATHERING CORRECTIONS
Raymond A. Peterson, Altadena, Calif., assignor, by mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application July 24, 1939, Serial No. 286,179
4 Claims. (Cl. 181—0.5)



1. In the method of locating the bottom of a weathered layer having a relatively low seismic wave velocity and overlying a contiguous subweathered layer having a relatively high seismic wave velocity, the improvement which comprises

generating a set of seismic waves which travels in the subweathered layer and substantially parallel to the interface separating the layers, some of which waves are refracted at the interface into the weathered layer at substantially the critical angle, receiving at a line of collinear points within the layers and at known depths both the refracted waves and waves which have traveled in the subweathered layer without refraction, and measuring the relative times of arrival of the waves at the respective reception points to locate the interface between said layers.

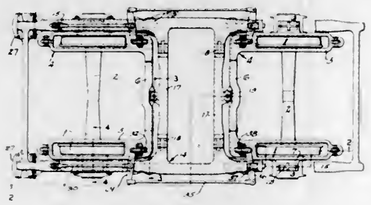
2,276,336

RAILWAY TRUCK STRUCTURE

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application June 20, 1940, Serial No. 341,409

12 Claims. (Cl. 188—56)



1. In a railway truck, spaced wheeled axles, journal boxes on said axles, brake gear carrying structure mounted on each of said journal boxes, equalizers extending between said axles and resting on said structure, and a truck frame supported on said equalizers.

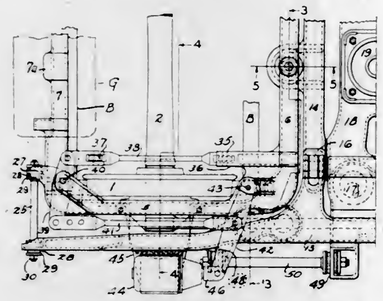
2,276,337

RAILWAY TRUCK STRUCTURE

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application August 11, 1941, Serial No. 406,329

24 Claims. (Cl. 188—205)



1. In a railway truck, a wheeled axle, journal boxes, a pedestalless load carrying frame resiliently supported from said axle, a brake carrying frame including portions supported from opposite end portions of said axle, and yielding connections between said frames resisting and cushioning horizontal forces applied between them and allowing the journal boxes to float in relation to the load carrying frame and without direct contact therewith.

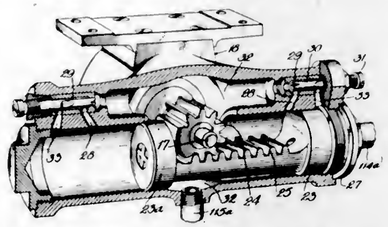
2,276,338

DOOR OPERATOR

Robert S. Potter and Maurice D. Bennett, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application February 3, 1938, Serial No. 188,512

13 Claims. (Cl. 268—66)



1. In a combination of the class described, a door closer having a door closing spring, a fluid pressure chamber, a piston movable in said chamber, means movable upon manual opening movement of the door to wind said spring and move said piston from the high pressure end of said fluid pressure chamber toward the low pressure end thereof, the said spring thereafter closing said door as said piston moves towards the high pressure end of said fluid pressure chamber, fluid passage means between the low pressure end of said chamber and the high pressure end thereof constructed so that as said piston moves toward the low pressure end fluid will flow freely from said low pressure end to said high pressure end, a control valve positioned in a passage of said fluid passage means for slowing down the flow of fluid from the high pressure end of said chamber to the low pressure end to control the piston movement incidental to the closing action of said door closer, a source of fluid pressure, a pipe connecting the pressure side of said source to the high pressure end of said chamber, a pipe connecting the intake side of said source to the low pressure end of said chamber, means initiating the application of fluid under pressure from said source to the high pressure end of said chamber and against said piston to reverse the action of said door closer by forcing said piston toward the low pressure end of said chamber, the fluid from the low pressure end of said chamber passing through said pipe towards the intake side of said source, the stoppage of fluid application from said source allowing the door closer spring to close the door, whereupon the piston forces the fluid from the high pressure end of said chamber to the low pressure end through said fluid passage means in by-passing relation to said source and past the said control valve, whereby to control the door closing speed in the same manner as when the door is manually opened and subsequently released for closing.

2,276,339

COMBINED ALARM CLOCK AND LAMP

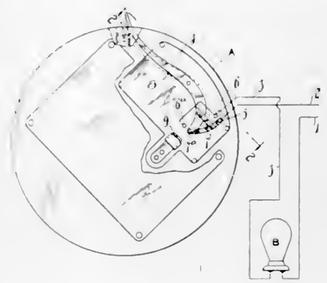
Edgar James Price, Toronto, Ontario, Canada

Application October 24, 1940, Serial No. 362,586

7 Claims. (Cl. 58—19)

1. In a device of the class described, a clock provided with an alarm mechanism; an electric lamp; a source of current; a support of insulating material mounted within the clock; a switch lever pivoted on said support; a contact on said support; a co-operating contact carried by said lever; an electric circuit including the source of current, the lamp and said contacts; and a spring

finger mounted on said support and adapted to be moved by the alarm mechanism of the clock to



simultaneously engage both contacts when the lever is in circuit closing position.

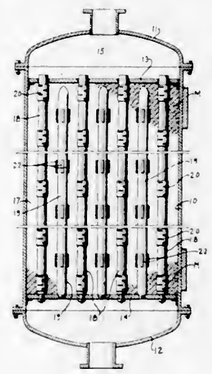
2,276,340

CATALYTIC REACTOR

Thomas B. Prickett, Woodbury, N. J., and Clarence H. Thayer, Wallingford, Pa., assignors, by direct and mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application January 25, 1939, Serial No. 252,716

12 Claims. (Cl. 23—288)



1. The combination with a bed of solid particles of contact material of a conduit having metering orifices therein for the passage of fluid, a deflector plate positioned directly over and closely adjacent each metering orifice, each deflector plate having substantially greater area than the area of each metering orifice and being constructed and arranged to provide elongate openings to cooperate in the flow of fluid between the orifices and contact material, said elongate openings being sufficiently narrow to prevent particles of contact material from entering the same and blocking the orifices and being of substantially greater area than the area of each orifice to prevent the particles of contact material from entirely blocking the elongate openings in order to insure the passage of fluid between the orifices and contact material, and all portions of said deflector plates being positioned close to and spaced substantially the same distance from the conduit to divert the flow of fluid from the orifices directly into the contact material.

2,276,341

LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application December 21, 1938, Serial No. 247,000

13 Claims. (Cl. 252—37)

1. A lubricating composition comprising a hydrocarbon oil, from about .1% to about 5% of a naphthenate, and a separate halogenated organic compound.

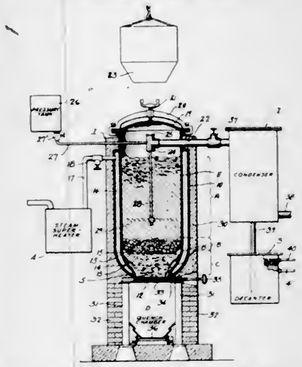
2,276,342

PROCESS OF RECOVERING HYDROCARBON OILS AND OTHER BYPRODUCTS FROM OIL SHALE AND THE LIKE

Elmer H. Records and James E. Louttit, Tacoma, Wash.; said Louttit assignor to said Records

Application October 18, 1937, Serial No. 169,594

8 Claims. (Cl. 202—15)



1. The process of recovering hydrocarbon oils and gases from oil-shale which comprises enclosing a mass of oil-shale in a reaction retort upon a base of coal, then passing superheated steam through the coal and oil-shale to effect decomposition thereof and in a manner whereby the decomposition products from the coal pass through the mass of oil-shale and finally withdrawing and condensing the said products.

2,276,343

METHOD FOR GASIFYING LIGNITE

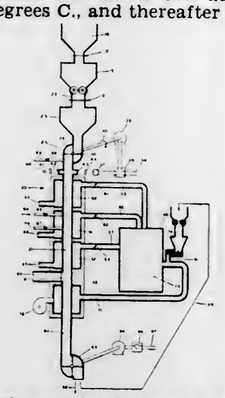
Lloyd H. Reyerson, St. Paul, and Donald C. Gernes, Minneapolis, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Application September 23, 1938, Serial No. 231,386

8 Claims. (Cl. 48—202)

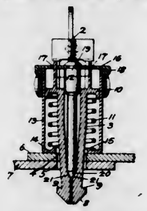
1. A continuous process of making from lignite a gaseous mixture rich in hydrogen, which comprises, introducing a stream of lignite having a natural water content of 25–40% into a closed system, moving said lignite through a preheating zone where the temperature of the lignite is elevated to a temperature in the range of about 500 to about 850 degrees C., continuing said movement through a reaction zone in the presence of water containing vapors generated by said preheating of the lignite while maintaining said

temperature between about 500 degrees C. to about 850 degrees C., and thereafter moving said



lignite through a cooling zone and removing the thus formed gaseous mixture rich in hydrogen.

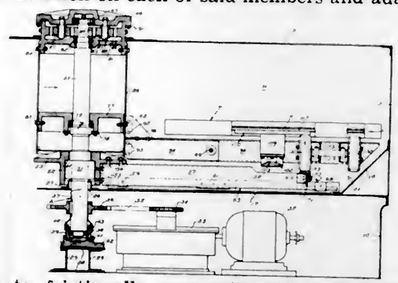
2,276,344
CONNECTOR
George D. Rogers, United States Army, Washington, D. C.
Application April 18, 1941, Serial No. 389,190
1 Claim. (Cl. 85—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A device for securing superposed perforated plates comprising a bolt member having a head on one end, said bolt member having a plurality of radial cuts extending longitudinally from the head end to near the opposite end and a spring engaging flange formed on said last mentioned end, an axial passage in said bolt member intersecting the radial cuts and extending to the end opposite the head, upstanding setting members on the face of said flange away from said head, a substantially cup-shaped casing containing the bolt member and having a bore in its bottom wall through which the head protrudes, a compression spring interposed between the flange and the inner bottom wall of the casing, a cover secured on the open end of said cup-shaped casing, said cover being formed with openings therethrough for the passage of said setting members, and a wedge member secured to said cover and thereby supported in the axial passage, said wedge member being adapted to cause the head to expand radially.

2,276,345
ABRADING APPARATUS
William A. Rosenberger, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application May 13, 1938, Serial No. 207,801
26 Claims. (Cl. 51—9)

18. In an abrading apparatus, a conveyor mechanism mounted for travelling movement in a substantially horizontal path into and out of a blasting zone; a plurality of tables carried by said conveyor mechanism and mounted for rotation about substantially vertical axes thereon; a member pivoted on said conveyor mechanism adjacent each of said tables; a roller mounted for rotation on each of said members and adapt-

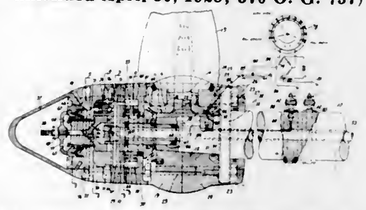


ed to frictionally cooperate with said tables; means for automatically rocking said members so as to engage said rollers with tables and for rotating said rollers when said tables are traversing said blasting zone, and for automatically allowing said rollers to be disengaged from said tables when the latter are travelling outside of said blasting zone.

2,276,346
DIELECTRIC COMPOSITION
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application September 8, 1939, Serial No. 293,948
8 Claims. (Cl. 106—191)

2. A dielectric comprising a cellulose derivative of the class consisting of ethyl cellulose and benzyl cellulose and dimer of di-hydronaphthalene.

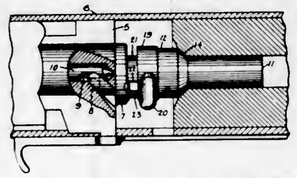
2,276,347
HUB CONSTRUCTION FOR HYDRAULIC OPERATED VARIABLE PITCH PROPELLERS
Robert J. Ruths, Baltimore, Md., and Harry L. Dodson, United States Navy
Application September 25, 1940, Serial No. 358,310
3 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A variable pitch propeller comprising a drive shaft; a hub carried by said drive shaft; a blade mounted on said hub for adjustable rotation about a radially extending axis to vary the pitch thereof; a fluid pressure operated motor located within said hub for rotating said blade; clutch means also located within said hub for locking said blade in adjusted position; a fluid pressure operated device for actuating said clutch means; conduits forming a fluid pressure system communicating with said motor and with said device for conducting fluid under pressure

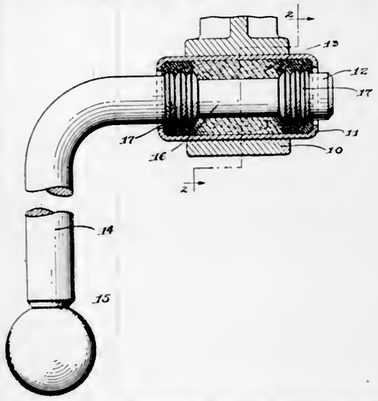
to and from the same to first disengage said clutch means and then to actuate said motor; and adjustable means establishing communication between said fluid pressure operated device and the low pressure side of said system for relieving the pressure in said device at a predetermined rate when said blade is rotated to the desired pitch to permit of the engagement of said clutch means.

2,276,348
EXTRACTOR REMOVING TOOL
Edward J. Schisler, Latrobe, Pa.
Application October 14, 1940, Serial No. 361,096
2 Claims. (Cl. 42—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



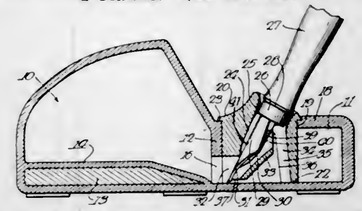
1. In a tool, a guide member adapted for chambering in a gun barrel, a head member rotatably engaging the guide member and having a rear end adapted for engagement with a breech bolt, a pin eccentrically carried by the head and projecting rearwardly for engagement with a removable element of the breech bolt, and a handle on the head member having a predetermined angular relation to the pin.

2,276,349
BEARING CONSTRUCTION
Samuel McCarl Scully and Bruno Schroeter, Detroit, Mich., assignors to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application November 18, 1940, Serial No. 366,048
8 Claims. (Cl. 308—240)



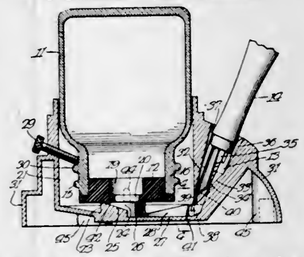
1. A bearing comprising an inner bearing member having a cylindrical contour with an enlarged diameter at each end and a reduced diameter between the enlarged portions, a cylindrical outer bearing member, and a heavy lubricant material compressed between said members, the compression of said material being greatest at said enlarged portions of the inner member and least at the central reduced portion thereof.

2,276,350
INKSTAND
Gustav J. Sengbusch, Milwaukee, Wis.
Application March 15, 1940, Serial No. 324,167
4 Claims. (Cl. 120—59)



1. In an inkstand, a receptacle member having a main or ink storage chamber and an auxiliary chamber, there being a wall separating said chambers and provided with an opening for establishing communication therebetween, a pen socket removably mounted in said receptacle and entering and communicating with said auxiliary chamber, said socket having a portion overlying said opening so as to substantially close the same, said socket portion having a narrow slot therein adapted to receive ink from said storage chamber through said opening and operative to convey the ink to the interior of said socket, said socket being provided with an opening for venting said auxiliary chamber, thereby to enable the latter to receive ink discharged from said storage chamber incident to variations in atmospheric conditions whereby flooding of said socket is prevented.

2,276,351
INKSTAND
Gustav J. Sengbusch, Milwaukee, Wis.
Application May 18, 1940, Serial No. 335,910
9 Claims. (Cl. 120—59)

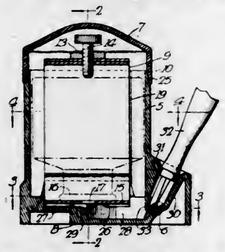


1. In an inkstand of the class described, a receptacle having a pen socket communicating therewith, an ink bottle in said receptacle provided with an ink outlet in its lower end, said ink outlet being of relatively small size so as to resist the free flow of ink therethrough, means formed on the bottom of said receptacle for association with said outlet opening and adapted to assist the flow of ink through said opening by capillary action, and cooperating means carried by the lower end of said bottle and the bottom of said receptacle for positioning said bottle with its outlet opening in operatively aligned relation to said means.

2,276,352
INKSTAND
Gustav J. Sengbusch, Milwaukee, Wis.
Application September 9, 1939, Serial No. 294,063
13 Claims. (Cl. 120—59)

1. In an inkstand of the class described, the combination of a housing provided with a dip-

ping well, an ink bottle holder adapted to be removably supported in predetermined position in said housing, said holder comprising a loop member adapted to embrace each of a plurality of differently shaped bottles, the holder having a bottom wall part for receiving the mouth ends of

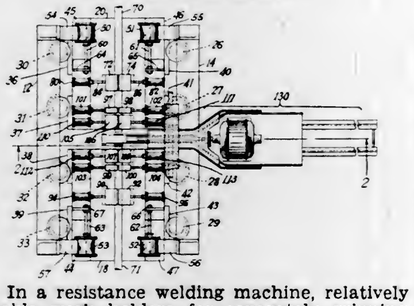


such bottles and a top wall part provided with adjustable means for clamping such bottles against said bottom wall part, said bottom wall part being provided with an opening for permitting ink to flow from the bottle for delivery to said well.

2,276,353
PROCESS OF COATING
John S. Thompson, Detroit, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.
No Drawing. Application September 28, 1935, Serial No. 42,670. Renewed August 29, 1939
6 Claims. (Cl. 148—6)

5. A process of treating a surface of a metal included in the group consisting of iron, steel, zinc, aluminum and their alloys, which comprises subjecting said surfaces to the action of an aciduated heated solution containing as its chief active ingredients the SiF_6 radical and a compatible oxidizing agent, and treating the metallic surface until a visible protective paint-holding coating is obtained and thereafter applying to the metal surface a coating of one of the group consisting of paints, lacquers and enamels.

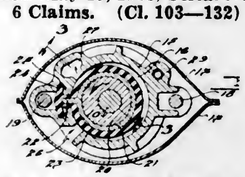
2,276,354
WELDING METHOD AND APPARATUS
James E. Trainer, Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 3, 1939, Serial No. 277,175
12 Claims. (Cl. 29—33)



1. In a resistance welding machine, relatively movable work holders for separately gripping metallic workpieces and maintaining them in a predetermined welding relationship and in the same grip during the machining of their opposing surfaces to welding contours and during the subsequent resistance welding of the workpieces at the machined surfaces, a retractible machining attachment to operative position, means for introducing said attachment between said opposing surfaces for effecting the machining operation, and said means also being operative reversely to withdraw said attachment from its operative position to permit the welding of the workpieces, and means for moving the work holders to bring the ends of the workpieces together subsequent to the machining operation.

2. The method of resistance welding which comprises separately fixing tubular workpieces so that they will be maintained accurately aligned and in welding relationship as they are moved to and from a forming and welding zone, then simultaneously preparing the welding faces of the workpieces with at least portions in parallelism for interfacial registering contact throughout said portions, engaging said portions in parallelism, and including the workpieces in a welding circuit for a co-ordinated pressure time temperature interval to integrally unite the workpieces throughout the areas of the welding faces.

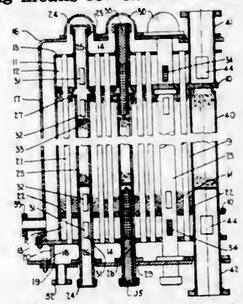
2,276,355
ROTARY PUMP
Cornelius W. Van Ranst, Detroit, Mich.
Application May 19, 1938, Serial No. 208,754
6 Claims. (Cl. 103—132)



6. A rotary pump, comprising a casing containing a pumping chamber having an inlet port and a discharge port, said casing also containing a recess extending outwardly from said chamber between said inlet and discharge ports, an eccentric member rotatably mounted in said chamber, and a resilient member in said chamber surrounding and movable with said eccentric member and having resilient fluid-tight contact for pumping purposes with successive portions of the chamber wall during rotation of said eccentric member, said resilient member having a reinforced arm extending outwardly into said recess and also having a distortable body on the outer end of said arm, said body being disposed substantially normal to said arm and said arm being connected to an intermediate portion of said body, said body being confined in said recess and having its ends secured or fixed to opposed wall portions of said recess, the intermediate portion of said body flexing back and forth in said recess as said body is distorted by rotation of said eccentric member and movement of said arm.

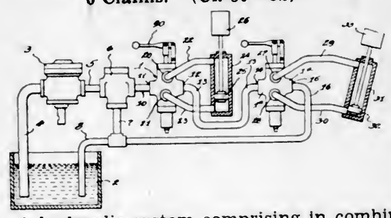
2,276,356
CATALYTIC REACTOR
Robert B. Velykis, Paulsboro, N. J., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application November 26, 1938, Serial No. 242,454
7 Claims. (Cl. 23—288)

1. A converter having side and end walls forming an enclosure and partitions extending across the converter providing a reaction chamber disposed between fluid manifolding chambers, a plurality of conduits extending through the partitions and across the reaction chamber each conduit having apertured areas therein adjacent and on each side of said partitions, said apertured areas cooperating to distribute reaction fluid into the reaction chamber from one manifold and collect products of reaction from the reaction chamber for passage to the other manifold, blocking means for each conduit positioned



adjacent at least one of the apertured areas within the reaction chamber for directing the flow of fluid from the conduits through the reaction chamber in extended paths between said partitions.

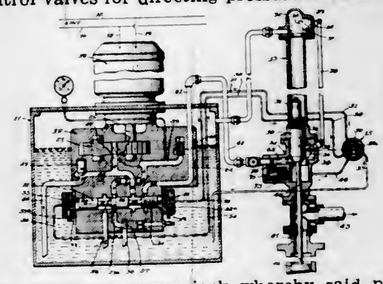
2,276,357
HYDRAULIC SYSTEM
Harry F. Vickers, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application May 7, 1935, Serial No. 20,261
Renewed December 15, 1939
6 Claims. (Cl. 60—52)



1. A hydraulic system comprising in combination a pressure source for oil, a circuit for the oil comprising conduits which returns the oil to the pressure source, a plurality of valves arranged in series in the circuit, each having an inlet and an outlet, each valve having a movable valve member which has a neutral position and in which position the inlet and outlet are connected so that the oil flows through the valve, a work performing device associated with each valve and each connected to its respective valve by two conduits, said two conduits being closed when the movable member of the respective valve is in neutral position, each movable member being shiftable independently of the other movable members to a position where the inlet and outlet are closed as to each other, and one of said conduits of the work performing device is connected to the inlet and the other connected to the outlet, whereby oil passing into the valve runs to the work performing device and oil is discharged from the work performing device back into the circuit.

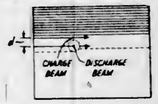
2,276,358
POWER SAVING PUMP JACK
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 15, 1938, Serial No. 235,115
15 Claims. (Cl. 290—7)

1. A self-reversing power driven hydraulic pump jack unit comprising a substantially vertical cylinder and pump jack, an electric motor, a pump driven by said motor, and hydraulic control valves for directing pressure to and from



said pump and pump jack whereby said pump jack serves, in its downward stroke, to drive said pump and said motor and to effect return of electrical energy to the power lines by which the motor is usually driven.

2,276,359
TELEVISION IMAGE PROJECTION DEVICE
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application August 26, 1939, Serial No. 292,017
In Germany September 10, 1938
2 Claims. (Cl. 178—7.5)

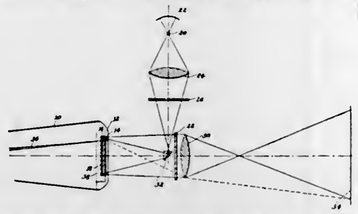


1. A television receiving device comprising a cathode ray tube, means in said tube for generating a focused beam of electrons, means for deflecting said beam horizontally at a predetermined rate, means for simultaneously deflecting said beam vertically at a predetermined slower rate in order to systematically scan a predetermined area on a target electrode, said target electrode comprising a plurality of discrete secondary emissive elements, the charged condition of which depends upon the intensity of the impinging cathode ray beam, means for modulating the cathode ray beam during one direction of its horizontal deflection in order to produce varying charged conditions on the target electrode, means for reducing the velocity of the cathode ray beam during the return deflection in the horizontal direction and for simultaneously de-focusing the beam to produce a spot size at the target electrode several times larger than the spot size of the focused beam, in order to remove the charged condition of the target electrode, the return deflection of the cathode ray beam being displaced vertically from the preceding horizontal deflection of the cathode ray beam in the opposite direction by an amount greater than the radius of the de-focused beam spot, the vertical displacement being in the direction of the vertical scanning deflection whereby the charged conditions of the target electrode is retained for nearly the entire time required to scan the predetermined area on the target electrode.

2,276,360
TELEVISION PROJECTION TUBE
Manfred von Ardenne, Berlin, Germany
Application November 29, 1939, Serial No. 306,611
In Germany November 21, 1938
2 Claims. (Cl. 178—7.5)

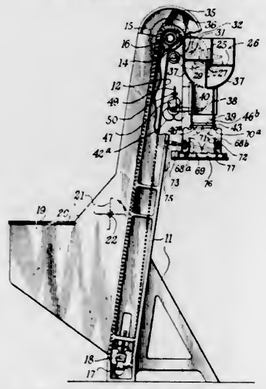
1. A television receiving device comprising a

cathode ray tube, a target area in said tube, a gun structure in said tube adapted to produce a focused beam of electrons, said target area comprising a translucent conducting support plate, a crystal layer of predetermined uniform thickness positioned upon said support base, said crystal layer having a variable plane of polarization as determined by the electrostatic charge potential produced thereon, a layer of transparent insulating material positioned on said crystal layer, and a multiplicity of metallic light reflecting elements positioned on the surface of the ratio of the secondary electrons produced by both the insulating layer and the metallic elements being substantially identical and greater than unity as compared with the impinging beam electrons so that when the insulating layer and the metallic



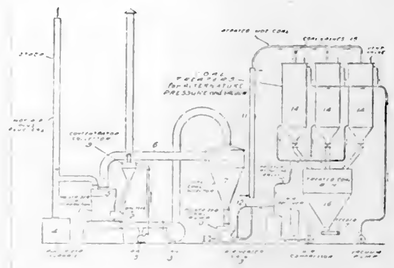
elements are scanned by a modulated beam a positive charge image is produced on said crystal layer in uniform proportion to the beam modulations, said target area being so positioned that the beam of electrons is directed substantially normally against the side bearing the metallic elements and said elements being adapted to receive and reflect polarized light directed substantially normally against the other side of the target area, and means including a polarizing screen adapted for focusing the light reflected from the metallic elements upon an image screen whereby an optical image may be produced on the image screen in accordance with the charge image on the crystal layer and the resulting rotation of the plane of polarization of the crystal layer.

2,276,361
AUTOMATIC LONG FILLER FEED FOR CIGAR MACHINES
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application June 8, 1937, Serial No. 147,022
24 Claims. (Cl. 131—22)



1. In a cigar bunch machine, the combination with a main feed for feeding a layer of long filler tobacco for cigar bunches, a cross feed for delivering filler transversely of said main feed a bulk source of supply of said filler, and means for separating the leaf portions from said supply and delivering them to said cross feed, said means including a measurer for measuring the amount of leaves delivered to said cross feed, and control devices actuated by said measurer arranged to stop the operation of said means when a predetermined quantity of tobacco has been fed for delivery to said cross feed.

2,276,362
VACUUM TREATMENT OF COKING COALS
Clayton S. Wolf, New Haven, Conn., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 2, 1940, Serial No. 343,511
5 Claims. (Cl. 202—10)



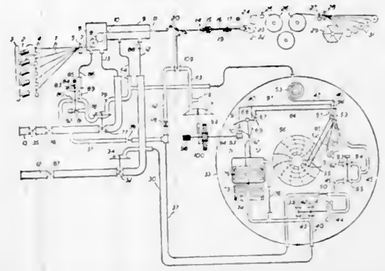
1. A method of altering the coking characteristics of swelling and caking coals which comprises pulverizing the coal and subjecting to alternate vacuum and atmospheric treatments at an elevated temperature, said coal after such treatments being altered to such an extent that it can be carbonized at a faster rate without undue swelling than it could have been preceding such treatment.

2,276,363
CONTAINER, MATERIAL AND PARTS THEREFOR
Philip Zalkind, New York, N. Y.
Application March 16, 1938, Serial No. 196,139
4 Claims. (Cl. 154—52)



2. A stiff sheet of fibrous board having a marginal reinforcement integral with the body of said sheet, said marginal reinforcement comprising a superposed layer of similar material adhesively bound to said sheet at said margin; the edge of said sheet and an edge of said superposed layer being coterminous; the edge of said superposed layer opposite said coterminous edge being irregular along a non-linear line forming the boundary between the reinforced margin and the remainder of the sheet and preventing the concentration of torsional forces between the reinforced margin and the remainder of the sheet along a straight line.

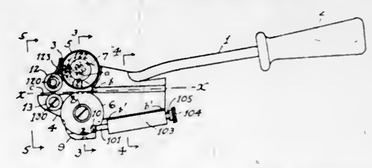
2,276,364
STRETCHING OF TEXTILE FILAMENTS OR THREADS
Maitland Walton Alford, Thomas Jackson, and Frank Brentnall Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application March 26, 1941, Serial No. 385,230
In Great Britain April 3, 1940
18 Claims. (Cl. 8—146)



1. In the stretching of textile materials in the form of filaments or threads while they are running through a gaseous softening medium under pressure, running the material through the softening medium with an output-input speed ratio equal to the degree of stretch required, and then varying both the input and the output speeds while maintaining said ratio substantially constant, and simultaneously varying the pressure of the softening medium under the control of the tension in the material as it leaves said softening medium so that, as said tension varies with the change in speed, the softening effect of said medium is varied in a corresponding manner.

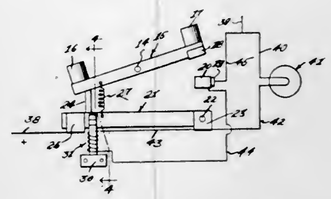
8. Apparatus for stretching textile materials in the form of filaments or threads while they are running through a gaseous softening medium under pressure, said apparatus comprising a stretching chamber, means for supplying a gaseous softening medium under pressure to said stretching chamber, variable speed means for drawing the material through said chamber with an output-input speed ratio equal to the degree of stretch required, and tension-sensitive means adapted to be engaged by the material as it leaves said stretching chamber and to control the pressure of the said softening medium in said chamber, causing said pressure to vary with the tension in the material engaging with said tension-sensitive means.

2,276,365
ROTARY CUTTING DEVICE
John Angel, Detroit, Mich.
Application September 26, 1939, Serial No. 296,618
3 Claims. (Cl. 30—240)



3. In a device of the character described, the combination, with a body bifurcated to provide arms adapted to carry a pair of studs disposed in parallel spaced relation and a pair of circular cutters rotatably mounted upon said studs and having their cutting edges arranged in cooperative relation, of a fixed stud upon the lower of said arms carrying a roller, a lever swingably mounted upon the upper of said arms, a stud upon the free end of said lever, a roller upon said stud, and spring means adapted to yieldingly urge said last mentioned roller towards said first mentioned roller, whereby the material to be cut is directed towards said cutters.

2,276,366
SELF-OPENING SWITCH
William Gerald Barrett, Merrill, Wis.
Application December 23, 1940, Serial No. 371,432
1 Claim. (Cl. 200—122)

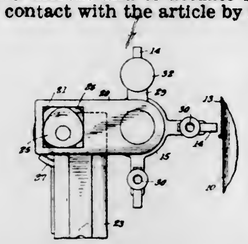


In a thermostatically controlled time switch for use in a main circuit including a shunt circuit, a conductive switch arm adapted to be interposed in said main circuit and pivotally mounted at one end for swinging in opposite directions to open and close said main circuit, respectively, a thermostatic member adapted to be interposed in the shunt circuit to be heated thereby and comprising a pair of reactive fingers for gripping opposite sides of said switch arm when the latter is swung into a circuit closing position, said fingers being relatively separative under the action of heat to release said switch arm, a pair of spaced contacts adapted to be interposed in said shunt circuit and to be bridged to close said shunt circuit, means to swing said switch arm into a circuit closing position comprising a bar-like element pivotally mounted intermediate its ends for rocking movement in opposite directions, a pick-up connection between said element and arm whereby rocking of the element in one direction swings said arm into a circuit closing position, a spring connection between said element and arm whereby rocking of the element in the opposite direction tensions said arm for swinging when released into a circuit opening position, and a bridge on one end of said element for bridging said contacts under rocking of said element in said opposite direction.

2,276,367
DEVICE FOR ROLLING THE EDGE OF RUBBER ARTICLES
William J. Bauer, New York, N. Y., assignor, by mesne assignments, to Michael Melamid, New York, N. Y.
Application February 23, 1940, Serial No. 320,331
11 Claims. (Cl. 18—2)

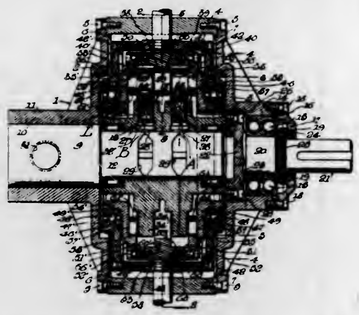
11. In apparatus of the character indicated: a bead-rolling member for forming an annular bead on the open end of a thin, hollow, dipped rubber article, comprising an elongated brush member pivotally supported at one end and adapted for engagement with the article, and rotatable eccentric means at its opposite end to sup-

port the same thereat and to actuate said brush member for contact with the article by imparting



a wobbling motion to the brush member about its pivotally supported end.

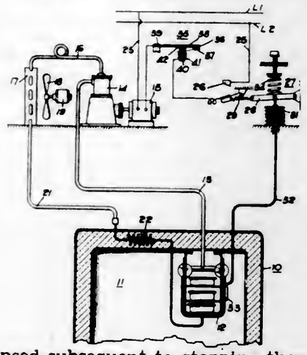
2,276,368
LUBRICATION OF RADIAL PUMPS OR MOTORS
Elek K. Benedek, Cleveland, Ohio, assignor, by mesne assignments, to Midland Machine Corporation, a corporation of Illinois
Application October 17, 1940, Serial No. 361,643
18 Claims. (Cl. 103—161)



1. In a radial pump or motor, a rotatable cylinder barrel formed with a plurality of radially extending, circumferentially disposed cylinders; a plurality of pistons reciprocable in said cylinders respectively; a reactance member formed with a reactance track eccentrically surrounding said cylinder barrel axis of rotation; rollers respectively journaled on said pistons and having rolling engagement with said track, said pistons being hollow and respectively having central lubricant chambers defined by walls including the piston side wall, and the piston closed inner end wall, there being lubricant passages respectively extending outwardly from said chambers to the associated roller journals.

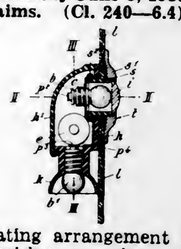
2,276,369
CONTROL APPARATUS
Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 6, 1939, Serial No. 277,605. Divided and this application December 23, 1939, Serial No. 310,772
10 Claims. (Cl. 62—4)

1. In apparatus for controlling the operation of a refrigerating machine, the combination of means for starting and stopping operation of the refrigerating machine, and means for preventing starting of the refrigerating machine until a time interval of predetermined duration



has elapsed subsequent to stopping thereof during normal operation.

2,276,370
ILLUMINATING DEVICE FOR PORTABLE RECEPTACLES
Alfred Conrad, Berlin, Germany, assignor of one-half to Johannes Rose, Berlin, Germany
Application July 24, 1940, Serial No. 347,285
In Germany June 5, 1939
4 Claims. (Cl. 240—6.4)

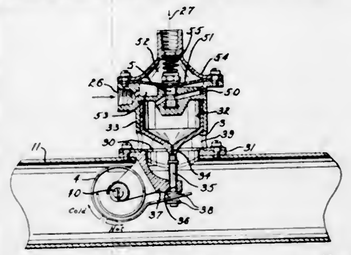


1. An illuminating arrangement for portable receptacles comprising, a casing within the receptacle and secured thereto, a battery element within the casing, a rotatable sleeve extending from the casing through a wall of the receptacle, an incandescent lamp bulb mounted within said sleeve, a second incandescent lamp bulb carried by the casing for illuminating the interior of the receptacle, switch means within the casing actuated upon rotation of said sleeve, and circuits extending from the battery element to the incandescent lamp bulbs through said switch means whereby the lamp bulbs may be energized by rotating said sleeve to actuate the switch means.

2,276,371
SURGE RELIEF MEANS FOR CONDUITS
James B. Cooper and Nathan C. Price, Seattle, Wash., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application February 13, 1939, Serial No. 256,256
12 Claims. (Cl. 137—78)

1. In a pneumatic system which includes a conduit wherein, under certain conditions, a surging tendency arises, the conduit having an aperture, a surge relief valve cooperating with said aperture to close the latter, and formed as a piston, a chamber closely and slidably receiving said piston, to contain therebetween an elastic air volume normally acting to resist opening

of the surge relief valve at normal conduit pressures, but whereby the surge relief valve may be opened in opposition to said elastic air volume upon the occurrence of an overpowering surge peak within the conduit, the piston being pierced,



and follow-up means disposed to cover the pierce in the piston in all its positions, and movable in response to continuation of the surging, under such conditions to stabilize the surge relief valve in an open position.

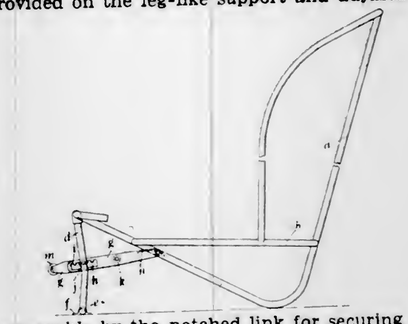
2,276,372
GLAMOR GLASSES
Gerald Courtney, Hollywood, Calif.
Application April 15, 1940, Serial No. 329,825
2 Claims. (Cl. 2—12)



1. In a device of the character described, a body having upper and lower edges and end edges intersecting ends of the lower edges to provide lower corners for the body, brackets mounted at the lower corners of said body with portions extending rearwardly thereof, pins extending upwardly from the bracket back of ends of the body and terminating adjacent the upper edge thereof, said brackets having their rearwardly extending portions formed with pockets located in front of the pins and open at their outer sides, temples having forward ends of a height substantially corresponding to the height of the pins, said temples having vertical sleeves at their front ends slid downwardly into place about the pins to mount the temples for swinging movement outwardly from a folded position back of the body to a rearwardly extending position at ends of the body for use, and fingers extending laterally from lower ends of said sleeves into said pockets between upper and lower walls thereof to hold the sleeves in place about the pins and limit outward swinging of the temples by abutting engagement with inner ends of the pockets.

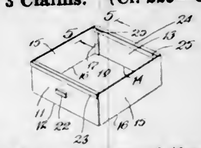
2,276,373
ADJUSTABLE VEHICLE SEAT FRAME
Rowland Wilton Cox, Bushey, England
Application February 17, 1940, Serial No. 319,542
In Great Britain February 17, 1939
5 Claims. (Cl. 155—14)

1. A horizontally adjustable vehicle seat frame having at its front at least one leg-like support pivotally attached at the upper end to the frame and adapted at the lower end to be pivotally supported on a fixed axis, the rear of the frame being adapted to be slidably supported, at least one notched link pivoted on the frame, and a part provided on the leg-like support and adjustably



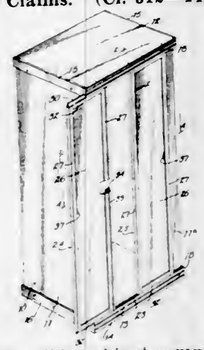
engageable by the notched link for securing the frame in desired positions.

2,276,374
COLLAPSIBLE DRAWER
Harry Derman, Laurelton, Long Island, N. Y.
Application July 14, 1939, Serial No. 284,420
3 Claims. (Cl. 229—32)



1. A knockdown drawer of the class described comprising a single blank of sheet material scored and folded to form bottom, front, rear and side wall parts having their upper edges in a common plane when in drawer assemblage, integral means at the ends of two opposed wall parts extending onto the surfaces of adjacent angularly extending wall parts, said integral means having their upper edges in a common plane with the upper edges of the last named wall parts, channeled rails arranged upon the upper edges of and extending the full length of said last mentioned wall parts only and the integral means co-acting therewith to clip said means and walls within the channels of the rails, and said rails forming the sole means of maintaining the wall parts in set-up drawer-forming condition.

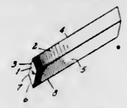
2,276,375
COLLAPSIBLE CABINET
Harry Derman, Laurelton, N. Y.
Application February 20, 1941, Serial No. 379,747
9 Claims. (Cl. 312—144)



9. In a collapsible cabinet comprising top, bot-

tom and back and side wall parts, the latter having front wall portions along forward edges of the side walls thereof, a door frame unit detachable with respect to said parts, said unit comprising top and bottom transverse strips joined by transversely spaced vertical strips, said vertical strips joining the transverse strips inwardly of the ends thereof forming projecting ends on said transverse strips overlying said front wall portions, said vertical rails extending the full height of the door frame unit of the cabinet as defined by said transverse strips, a pair of doors arranged between said transverse strips and movably coupled therewith for controlling a door opening in said unit formed between said spaced vertical strips, and said transverse strips and the movable coupling of the doors in connection with said transverse strips extending onto the projecting ends of said transverse strips.

2,276,376
CLICKER DIE STOCK
Carl G. Deubel, Colonial Park, Pa., assignor to Progressive Service Company, St. Louis, Mo., a corporation of Missouri
Application January 27, 1941, Serial No. 376,154
3 Claims. (Cl. 75—126)



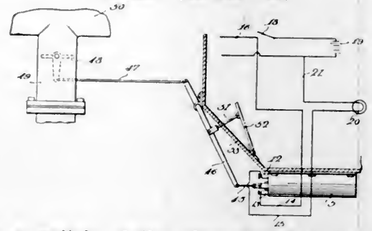
1. An alloy steel capable of being welded without excessive air-hardening and including approximately the following constituents in the proportions stated: carbon, 0.40% to 0.55%; manganese, 0.50% to 0.65%; silicon, 0.03% to 0.10%; chromium, 0.60% to 0.75%; molybdenum, 0.15% to 0.20%; phosphorous, 0.01% to 0.02%; sulfur, 0.015% to 0.02%; and the remainder iron.

2,276,377
CLOTHESPIN
Joseph Duffek, Gloversville, N. Y.
Application January 11, 1941, Serial No. 374,091
3 Claims. (Cl. 24—139)



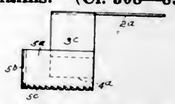
1. A clothespin formed of a length of resilient wire and comprising a shank portion intermediate the ends of said wire, one end portion of said wire being bent back into close proximity to said shank to form therewith a clothes-engaging hook, and the other end portion of said wire being bent back along but in spaced relation to said shank to form therewith a line-engaging loop; the sides of said loop being spaced from each other in one zone of said loop to form an opening providing substantially free passage for a clothesline therethrough but converging from said opening towards the adjacent end of said shank portion until the space between them is substantially less than the diameter of said line, and also towards the adjacent free end of said wire to provide a restricted opening through which the line may be forcibly passed; whereby said pin may be secured against sliding on said line by wedging said line between the converging sides of said loop, and also readily attached to or removed from said line.

2,276,378
FLASHER SWITCH
Leo E. Duguay, Truro, Nova Scotia, Canada
Application January 8, 1940, Serial No. 312,984
1 Claim. (Cl. 200—59)



In a switch of the character described, an elongated casing having an insulating head in one end thereof, a contact sleeve mounted in an aperture through the said head, a binding post extended through the head and electrically connected with the said sleeve, a second binding post extended through the head and insulated from the sleeve, a plunger slidable through the sleeve, a spring connected to the plunger for yieldingly sliding the same to a retracted position inwardly of the head, a housing frictionally slidable on the plunger, a plurality of longitudinally spaced contact sections on the plunger separated by insulated sections, and a contact arm carried by the housing having sliding contact with the respective contact sections on the plunger adapted to engage the insulated binding post when the plunger is moved to a retracted position inwardly of the insulated head.

2,276,379
JOURNAL BOX LINER
John H. Engleman, Waterloo, Iowa
Application December 26, 1940, Serial No. 371,709
2 Claims. (Cl. 308—89)

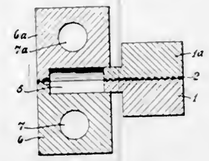


1. A liner for a journal box, consisting of a pair of channeled members connected fixedly together angularly at their free end parts, one member being horizontal, the other vertical with a projection of its transverse part directed away from the open end parts of the horizontal member, and with the lower end parts of the second member bent inwardly and downwardly inclinedly, and spaced apart.

2,276,380
ELECTRIC BLASTING INITIATOR
Myrle Hardt English, Pompton Lakes, N. J., and Roland Roswell Nydegger, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application December 24, 1937, Serial No. 181,647. Divided and this application August 30, 1939, Serial No. 292,591
3 Claims. (Cl. 18—36)

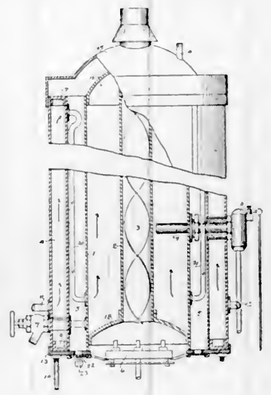
2. In an apparatus for molding rubber com-

position plugs on electric blasting initiator leg wires provided with thermoplastic insulation substantially in the absence of the intermingling of said rubber composition and said thermoplastic insulation, the combination of a mold provided with a plug chamber having an open end and equipped with heating means for maintaining said plug chamber at a vulcanizing temperature including a vent in said mold adapted to the passage of a heating fluid in heat exchange re-



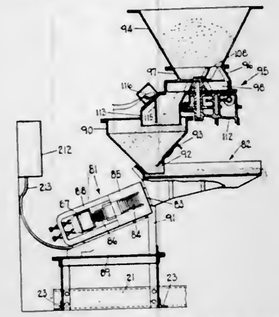
lationship with said chamber, with a leg wire seal including a heat conducting body grooved to receive said leg wires and positioned in the open end of said plug chamber, said seal and said mold being connected in fixed relationship with a minimum surface engagement and in such manner that the chamber segments of each are in alignment, and a solid body of high conductivity in heat exchange relationship with said leg wire seal, said solid body being cooled solely by means of the atmosphere.

2,276,381
HOT WATER BOILER
Murray Faeber, Brooklyn, N. Y.
Application December 29, 1938, Serial No. 248,145
5 Claims. (Cl. 122—17)



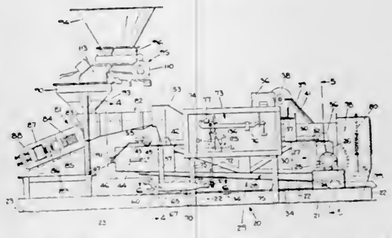
1. In a water heater an inner water container, a flue passing through said container, means to supply heat to said flue, an outer water container totally enclosing the sides of the inner container and so spaced from the inner container as to provide a free air space between said containers so as to facilitate the heating of the outer container by convection or radiation from the inner container, means for preventing the direct heat from the heating means reaching or impinging upon said outer container and means for admitting water to said outer container and means for passing said water from said outer container to said inner container.

2,276,382
FEEDING APPARATUS
Earle V. Francis, Columbus, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado
Application March 10, 1938, Serial No. 195,092
3 Claims. (Cl. 221—118)



1. Conveyor apparatus for free flowing pulverulent material comprising the combination with an electro-magnetic vibratory feeder, of a feed hopper therefor, a storage hopper, motor driven means for segregating and feeding batches of such material from said storage hopper to said feed hopper, and means responsive to the amount of such material in said feed hopper for controlling said motor driven means to maintain the head of material in said feed hopper below the value at which it flows freely.

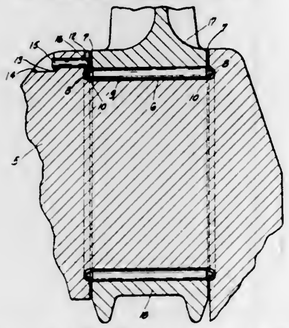
2,276,383
CONSTANT CAPACITY FEEDER
Earle V. Francis, Columbus, Ohio, assignor to The Traylor-Vibrator Company, a corporation of Colorado
Original application March 10, 1938, Serial No. 195,092. Divided and this application May 26, 1939, Serial No. 275,947
11 Claims. (Cl. 221—118)



1. In a feeder, the combination with an electric conveyor, of a control circuit for said conveyor comprising two resistors and a variable rheostat, shunt circuits for each of the resistors, a reversible motor for controlling said variable rheostat, a scale, circuit control means responsive to the position of said scale and so constructed and arranged that when the said scale is in a predetermined normal position one of said resistors will be shunted and when in another position both of said resistors will be shunted, and when in a third position none of said resistors will be shunted, whereby the delivery rate of said conveyor will be controlled by said scale, and means operative in response to a sustained positioning of said scale from its normal position to effect operation of said reversible motor

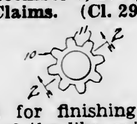
in one direction or the other to control said variable rheostat and thereby further control the delivery rate of said conveyor.

2,276,384
BEARING MEANS
Harold Frauenthal, South Bend., Ind., assignor to Bantam Bearings Corporation, South Bend, Ind., a corporation of Indiana
Original application March 19, 1938, Serial No. 196,818. Divided and this application September 16, 1939, Serial No. 295,166
4 Claims. (Cl. 308—207)



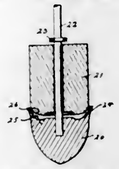
1. A bearing journal including a cylindrical surface defined by radially outwardly extending end faces, an annular groove of semi-cylindrical section formed in each of said faces at the junction thereof with said cylindrical surface, a radial groove formed in one of said faces and communicating at its inner end with the corresponding annular groove, a plurality of anti-friction rollers of an axial length greater than the distance between said faces and adapted to be disposed on said cylindrical surface with the ends thereof retained in said grooves, said radial groove allowing for positioning of certain of said rollers on said cylindrical surface by passing the roller end radially inwardly through said groove, and axially directed plug means adapted to project into said radial groove into a position overlying the axial groove to prevent outward displacement of a roller end through said radial groove.

2,276,385
BROACH
Harry H. Gotberg, Detroit, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Delaware
Application December 7, 1940, Serial No. 368,974
3 Claims. (Cl. 29—95.1)



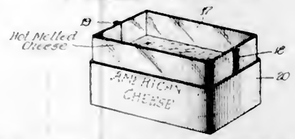
1. A broach for finishing internal involute tooth forms and the like, said broach having a row of cutting teeth for each tooth space of said form, each cutting tooth of said row having a pair of converging straight relieved cutting edges for cutting on the sides of the tooth of said form on opposite sides of said gear tooth space, respectively, each straight edge on the first cutting tooth in said row being adapted to cut away metal at only the inner and outer extremities of the side of the adjacent tooth of said form, the straight sides of each succeeding tooth in said row being spaced further apart and effective to cut on progressively approaching points on the adjacent tooth side of said form, the later cutting teeth having the straight cutting edges thereof merging at the extremities of said edges in unrelieved portions conforming to the desired final side profile of the adjacent tooth of said form.

2,276,386
TOY PROJECTILE
Arthur Grodde, Laurentian View, Ontario, Canada
Application September 6, 1941, Serial No. 409,897
1 Claim. (Cl. 46—200)



A toy projectile comprising a base member, a shaft disposed axially of the base member and extending upwardly therefrom, an annular groove formed in the top surface of said base member in spaced concentric relation to said shaft adapted to receive a percussion cap, and a hammer slidably mounted on said shaft having an annular projection on its lower end adapted to interfit in said groove whereby the cap is exploded when the projectile strikes an object, the outer wall of said groove having a series of spaced slots therein opening through the outer wall of said base member for the expulsion of gases from said groove.

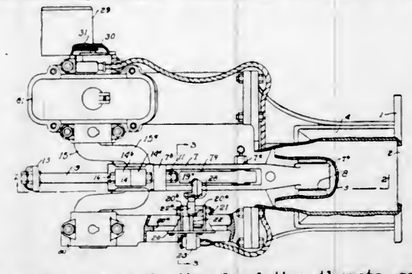
2,276,387
PRINTING COATED WRAPPERS
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application July 3, 1940, Serial No. 343,801
3 Claims. (Cl. 93—3)



1. The method which comprises providing a sheet of transparent rubber hydrochloride with a relatively heavy wax-bearing coating on one side and a relatively light wax-bearing deposit on the other side, applying printed matter on the side of the web bearing the relatively light wax deposit, forming a container blank from the web with the printed surface on the exterior thereof, and subjecting the printed face to the action of a sufficient quantity of heat to produce an amalgamation between the printed matter and the wax-bearing surface.

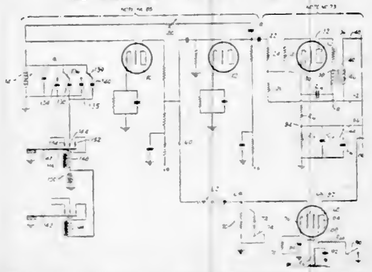
2,276,388
INTERMITTENT STROKE CONTROL FOR RAM-FEED STOKERS
Walter J. Haag, Dayton, Ohio, assignor to The Brownell Company, Dayton, Ohio, a corporation of Ohio
Application July 14, 1939, Serial No. 284,564
12 Claims. (Cl. 198—226)

1. In apparatus of the class described, in combination, fuel feeding means, actuating means therefor, coupling means normally interconnecting said fuel feeding means and said actuating means, disconnect means cooperable with said coupling means for uncoupling the same, and means for initiating action of said disconnect means comprising a timing gear operable by said



actuating means in timed relation thereto, said gear including elements graduated in respect to their axial lengths, and trip instrumentalities axially adjustable respecting said gear to engage pre-selected ones of said elements.

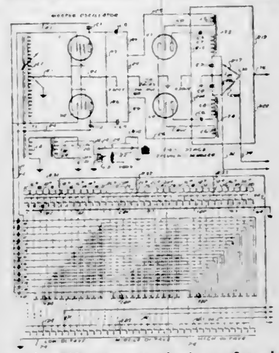
2,276,389
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application April 2, 1938, Serial No. 199,612
15 Claims. (Cl. 84—1.25)



1. In an electrical musical instrument, the combination of a plurality of master oscillators each having a tuned reactance mesh controlling its frequency of oscillation, a plurality of means for periodically changing the reactances of the meshes of a plurality of said oscillators at slightly different vibrato frequency rates, and a plurality of cascaded series of generators, each series having its frequencies controlled by one of said master oscillators, whereby changes in frequency of oscillation of said master oscillators will cause proportionate changes in frequencies of their associated series of cascaded oscillator.

2,276,390
ELECTRICAL MUSICAL INSTRUMENT
John M. Hanert, Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application October 14, 1940, Serial No. 361,064
14 Claims. (Cl. 84—1.11)

1. In an electric musical instrument having an output circuit including an electroacoustic translating means, the combination of a plurality of playing keys, a massive oscillator, circuits completed by operation of said keys respectively for tuning said master oscillator to any one of the semi-tone frequencies of an octave, a first stage push-pull frequency doubler having its frequency controlled by said master oscillator, a plurality of additional frequency doublers, means for coupling said additional frequency doublers to said first stage frequency doubler in cascaded relation, and means controlled by operation of said



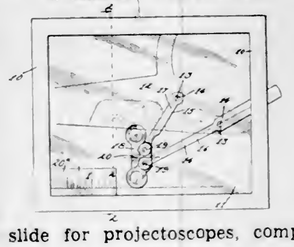
keys for causing the transmission of a signal from said frequency doubler stages to the output circuit of the instrument.

2,276,391
STRUCTURAL JOINT
Charles E. Hathorn, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 6, 1940, Serial No. 328,287
3 Claims. (Cl. 189—36)



1. In a structural joint, an elongated member comprising a flange and an integral web extending normally from one side thereof, said web having a transverse cut extending from its free edge nearly to but not interrupting the flange, the web portions adjacent said cut being oppositely bent and formed to comprise pads whose portions adjacent the cut are flat, parallel and close to the member flange and whose portions remote from the cut are curved and blended into the web at points spaced from the cut, a second elongated member crossing the first member having a substantially flat face engaging the flat portions of said pads, and means to secure the flat face of the second member to said pads.

2,276,392
PROJECTOSCOPE SLIDE AND METHOD OF PROJECTING ITS IMAGE
Lewis M. Headley, Ames, Iowa
Application December 13, 1939, Serial No. 309,027
2 Claims. (Cl. 88—26)



1. A slide for projectoscopes, comprising in

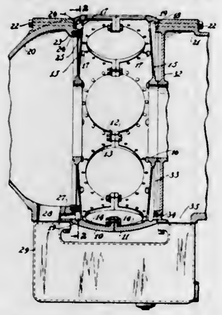
combination a frame, a series of elements within the frame, one of which is mounted for movement relative to the others, and one of which is in position overlapping the other and being in a different focal plane, said elements being closely adjacent so that their adjacent surfaces are in the same focal plane, markings upon the elements indicating characteristics thereof, said markings being located on the adjacent sides of the elements and being in the same focal plane, and said elements being of transparent material whereby when the image of said elements is projected in enlarged form upon a screen, the relative proportions of the markings will be exactly the same as those of said elements, and a scale marking on transparent material also placed in the same focal plane as the said markings upon said elements, so that when projected upon a screen in enlarged form, the markings of the scale will be inexactly the same relative proportion as the markings upon the said elements and scale.

2,276,393

CRANKCASE CONSTRUCTION

Henry C. Hill, Montclair, and Walter A. Wolf, South Hackensack, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application May 11, 1940, Serial No. 334,608
8 Claims. (Cl. 121—194)



7. In a circular crankcase, a cylinder deck having an inwardly extending wall, the wall having a plurality of circumferentially spaced openings therethrough at its outer edge adjacent the junction of the deck and wall, means rigid with the deck and wall forming an annular conduit into which said openings communicate, said conduit being disposed wholly on the side of said wall opposite to the crankcase, and means to drain said conduit.

2,276,394

STRETCHING OF TEXTILE MATERIAL

Frank Brentnall Hill, Maitland Walton Alford and Thomas Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application December 28, 1940, Serial No. 372,108
In Great Britain January 12, 1940
10 Claims. (Cl. 8—132)



1. In an operation for stretching material in the form of filaments or threads by applying tension to said material while it is travelling and is under the influence of a softening medium, the steps of changing the degree of stretch effected by placing the output-input speed ratio of the material under the control of the tension in the material as it leaves the softening medium, said speed ratio being varied in accordance with the extent of the softening of the material due to the softening influence of said softening medium.

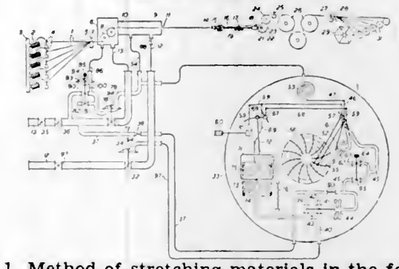
8. In apparatus for stretching material in the form of filaments or threads, the combination with a chamber for the application of softening medium to the material while it is travelling, means for positively feeding the material into said chamber and means for positively drawing the material out of said chamber, of tension-sensitive means adapted to engage the material as it leaves said chamber, said tension-sensitive means being adapted to vary the output-input ratio of said feed and drawing means.

2,276,395

STRETCHING OF FILAMENTS OR THREADS

Frank Brentnall Hill and Maitland Walton Alford, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application January 22, 1941, Serial No. 375,420
In Great Britain January 23, 1940
12 Claims. (Cl. 28—59)



1. Method of stretching materials in the form of filaments or threads in which the material is drawn under tension from a feed chamber into and through a stretching chamber containing a fluid softening medium under a pressure slightly higher than the pressure of the fluid in said feed chamber, said method comprising admitting the respective pressure fluids to the feed and stretching chambers to raise the pressures in said chambers to their working levels after the material has started to run through the stretching chamber, and employing the pressure of the fluid in one of said chambers to control the admission of fluid to the other chamber so as to render the pressure in said other chamber dependent on the pressure in the first chamber and to maintain the desired difference in pressure both during the raising of the pressures to their working levels and during their maintenance at those levels.

2,276,396

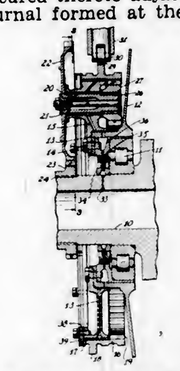
CAM DRIVE GEAR

Henry C. Hill, Montclair, Walter A. Wolf, Hackensack, and Allan Chilton, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application August 28, 1940, Serial No. 354,562
9 Claims. (Cl. 74—55)

1. In a cam driving mechanism for an engine including a main bearing housing and a drive shaft borne in the bearing thereof, an annular structure comprising a part separate from the

housing but secured thereto adjacent said bearing, a cam journal formed at the periphery of



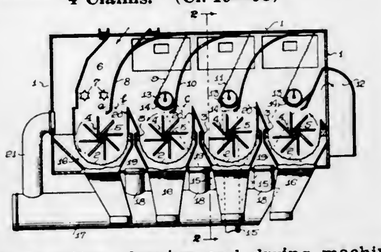
said structure, a ring cam rotatable on said journal, and means to drive the ring cam from the drive shaft.

2,276,397

COTTON CLEANING AND DRYING MACHINE

Frank B. Hinckley, Jr., Dallas, Tex.

Application April 12, 1940, Serial No. 329,257
4 Claims. (Cl. 19—93)



1. In a cotton cleaning and drying machine, a housing having a cotton inlet, a series of paddle drums and foraminous concaves arranged on a horizontal plane, the first of said series being disposed below said inlet, curved baffles above said drums against which cotton is projected by the paddles of said drums, cleaning screens substantially parallel with and spaced from said baffles, down which cotton is precipitated to be received by the next adjacent drum for progressive processing, conveyor means serving each of said screens, air chambers arranged between and rising above said drums and in axial alignment therewith, a hot air manifold, transition means for introducing preheated air under pressure into said chambers from said manifold, nozzles directing said air into the streams of cotton discharged from each successive drum along the full width thereof, means for discharging cotton from said machine and means for removing foreign matter extracted from said cotton.

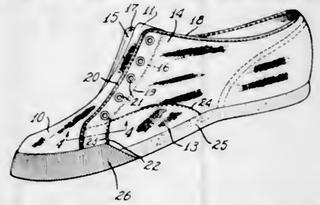
2,276,398

FOOTWEAR

Clarence E. Hosker, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 3, 1940, Serial No. 350,696
2 Claims. (Cl. 36—45)

1. An article of footwear comprising an upper including a one piece vamp and tongue, quarters extending downwardly from the top of the footwear to a sole, and a foxing extending upwardly from the sole over portions of the vamp and quarters, said quarters having slashes extending upwardly from the sole near their forward margins, and said vamp having wing portions secured along their lower margins to the sole underlying the quarters forwardly of the slashes and overlying them rearwardly thereof and providing an extensive reinforcement of the quarters at the ball of the shoe, said vamp and quarters being secured by stitching to each other at their overlapping portions, and said foxing being secured over the overlapping portions of the quarters.

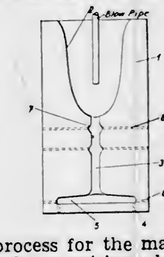


2,276,399

METHOD OF MAKING HOLLOW GLASSWARE

Václav Hrdina, Chlum, near Trebon, Czechoslovakia

Application December 14, 1938, Serial No. 245,558
In Czechoslovakia April 23, 1938
7 Claims. (Cl. 49—80)



2. In the process for the manufacture of hollow glass vessels comprising a hollow part, a base, and a solid stem joining the hollow part to the base and wherein glass to be formed into a vessel is gathered on a blow pipe; the steps of moving the blow pipe to deposit the gathered glass in a mold, preliminarily-molding the hollow part of the vessel from a portion of the glass in the mould by blowing into the mould, simultaneously moulding the stem and base of the vessel from the remaining portion of the glass in the mould by applying suction from the mould, the sucking and blowing being performed while maintaining the gathered glass attached to the blow pipe, and subsequently finally-moulding the hollow part of the vessel by a combined blowing and moulding operation on the glass.

2,276,400

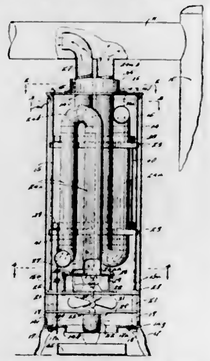
AIR HEATING DEVICE

William A. Hubbard, Minneapolis, Minn.

Application January 15, 1940, Serial No. 313,881
5 Claims. (Cl. 257—137)

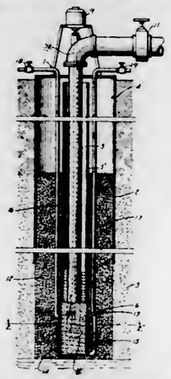
2. An air heater constructed and arranged to be attached to the smoke pipe of a furnace having in combination, an elongated vertically extending casing having an inlet at its bottom and an outlet opening at its top, a device in said casing comprising a plurality of pipes extending in spaced relation therein for the greater part of the length of said casing, U-shaped members

connecting the ends of said pipes to form a continuous conduit, a fan casing adjacent the bottom of said casing to which one end of said conduit is connected, a fan in said fan casing, the other end of said conduit extending through and beyond the top of said first mentioned casing and connected to said smoke pipe, a pipe connected to the discharge outlet of said fan casing and



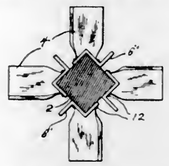
extending vertically through the top of said first mentioned casing and connected to said smoke pipe, a second fan in said first mentioned casing below said fan casing for drawing air into said first mentioned casing to the inlet opening thereof and forcing it out through said outlet opening of said first mentioned casing, said air passing around said device and a motor below said last mentioned fan for driving both of said fans.

2,276,401
WELL CLEANING APPARATUS
Raymond O. Joslyn, Kansas City, Mo., assignor to Layne & Bowler Incorporated, Memphis, Tenn., a corporation of Delaware
Application March 18, 1940, Serial No. 324,625
3 Claims. (Cl. 166—20)



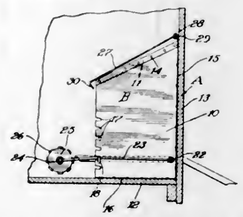
1. In a well, a tubing extending into the well, a screen connected with the lower end of the tubing, gravel filling space in the bottom of the well surrounding the screen, a helical duct encircling the exterior of the screen in spaced relation therewith and imbedded in the gravel surrounding the screen, said helical duct having a plurality of jet openings in the side thereof facing the screen for discharging a cleansing medium directly toward the screen to clear openings in the screen, and a pipe connected with said duct and extending to the top of the well for supplying the cleansing medium to said duct.

2,276,402
PROPELLER BLADE FOR LOG WASHERS
George E. Krider, Duncansville, Pa.
Application February 13, 1940, Serial No. 318,766
1 Claim. (Cl. 259—130)



A propelling and agitating implement for rotating logs in log washing machines comprising an angularly shaped support formed by diverging flanges adapted to engage diverging surfaces of the log, an elongated agitating and propelling blade extending radially of the log and carried by the flanges of the angularly shaped support and set at an angle to the plane of rotation, means for fastening said support to the log, the outer end of one of the diverging flanges of the support terminating in an outwardly extending agitating member extending across the plane of rotation of the blade and radially disposed in relation to the axis of the log.

2,276,403
BROODER HOUSE ENTRANCE
Joseph G. Lukes, Waucoma, Iowa
Application January 29, 1940, Serial No. 316,248
3 Claims. (Cl. 119—22)

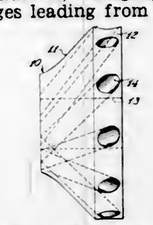


1. An entrance structure of the kind described comprising a body having opposed open sides, a platform within the body and swingable with relation to one of the open sides, means for fastening the platform when swung to a raised or lowered position, a tread reel movable relative to the platform and adapted to be supported next thereto at the free swingable end thereof, supports movably holding said reel, and means associated with the body for releasably holding the reel away from the platform.

2,276,404
SHROUDED IMPELLER
Wilton G. Lundquist, Hohokus, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 10, 1939, Serial No. 298,752
9 Claims. (Cl. 230—134)

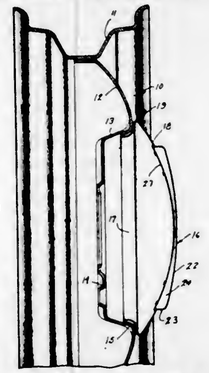
1. An impeller comprising a truncated conical element having a small end face normal to the impeller axis and a large cylindrical face concentric with the impeller axis, said impeller having a

plurality of slanted, straight, circumferentially spaced passages leading from entrance openings



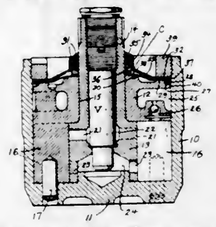
on said end face to exit openings on said cylindrical face.

2,276,405
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application November 25, 1940, Serial No. 366,974
11 Claims. (Cl. 301—108)



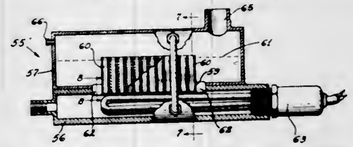
1. As an article of manufacture, a wheel cover comprising a circular convexly curved member having on its outer face a transverse hollow reinforcing element with rear edges curved to conform to and fit tightly the curved convex surface of said member and provided with means for securing it to said member.

2,276,406
HYDRAULIC SHOCK ABSORBER PACKING AND SEALING MEANS
Gervase M. Magrum, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application September 9, 1940, Serial No. 355,880
3 Claims. (Cl. 286—30)



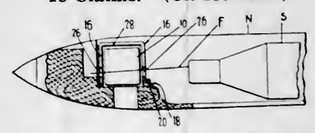
1. A sealing assembly for a casing having a shaft extending outwardly through an end wall thereof, comprising packing surrounding said shaft outside of said end wall, an annular outer wall receiving said shaft outside of said packing to form an outer abutment therefor, an annular inner abutment wall having radially extending spring fingers engaging against the inner end of said packing to form an abutment therefor, the outer annular portions of said abutment walls being superposed, and clamping means receiving the outer portions of said outer and inner abutment walls for springing said walls together for initial axial compression of the packing, said spring fingers functioning after such initial compression of the packing to exert pressure thereagainst for taking up any wear in the packing and for keeping the packing in intimate sealing engagement with the shaft.

2,276,407
HEATING APPARATUS
Jerry Manzer, Coldwater, Mich.
Application April 6, 1940, Serial No. 328,328
7 Claims. (Cl. 219—38)



1. A first boiler, a second boiler overlying and engaging the first boiler, means permanently uniting the boilers together adjacent the place of engagement, a narrow elongated slot providing communication between the boilers, a unit consisting of a plurality of parallel tubes permanently secured in said slot providing passages between the boilers, and said tube unit being of a length less than the length of the slot whereby an auxiliary passage is provided between the boilers adjacent each extremity of the unit.

2,276,408
YARN TENSION DEVICE FOR SHUTTLES
Giovanni Marcora, Tradate, Italy
Application April 15, 1940, Serial No. 329,816
In Italy April 27, 1939
13 Claims. (Cl. 139—218)



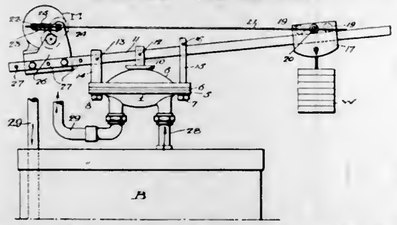
1. A braking device for yarn in weaving and spinning machines or the like, especially for weaving shuttles, comprising two foamed-rubber pads facing each other, with convex active surfaces and curved metal plates covering said pads whereby the yarn can run between the two convexities of the aforesaid surfaces and be braked by the reciprocal pressure of the said plates, said pressure being regulable.

2,276,409
MILK SOAP
John E. McCormick, Chicago, Ill., assignor to Edward J. McLaughlin, trustee
No Drawing. Application December 13, 1939, Serial No. 308,947
15 Claims. (Cl. 252—130)

8. A stable jelly-like soap composition comprising the reaction mixture of at least 80% whole milk having present at least about 3½% of butter fat, an ethanolamine soap of a fatty acid, hydrogenated cocoanut oil, a lower alkyl

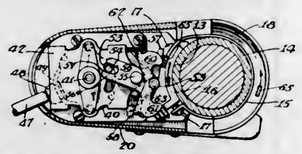
glycol, and boric acid, the latter three ingredients being present in an amount less than the ethanolamine soap.

2,276,410
WATER CIRCULATOR FOR HOT WATER HEATING SYSTEMS
Adolph Meletti, Philadelphia, Pa.
Application April 10, 1940, Serial No. 328,993
6 Claims. (Cl. 185—33)



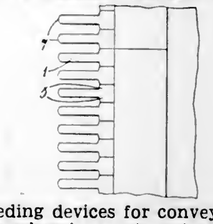
2. Actuating mechanism for a device having reciprocating movement, comprising a beam member pivotally mounted intermediate its ends, connecting means adapted to connect said beam member to the device, a carriage reciprocable lengthwise of said beam member at one side of its pivot and means overbalancing the beam member at the opposite side of its pivot constructed and arranged with respect to said carriage so that the latter operates to rock the beam member and impart reciprocatory motion to said connecting means, and means for reciprocating said carriage.

2,276,411
DIRECTION SIGNAL SWITCH
Clarence W. Moore, Roslyn, Pa., assignor to United Specialties Co., Detroit, Mich., a corporation of Delaware
Application October 29, 1940, Serial No. 363,344
5 Claims. (Cl. 200—59)



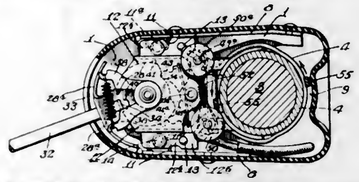
1. A switch mechanism of the type described comprising a rotatable contact plate cooperable with a plurality of stationary contact elements, rotatable means movable in opposite directions including a member manually operable for imparting rotary movement to said contact plate to operate the switch, a projection carried by said rotatable means and movable within a slot operable to limit the extent of rotation of the rotatable means and the switch to movement between two "on" positions and an intermediate "off" position thereof, a rotatable member engaged by said projection for actuation thereby upon movement of the rotatable means, and a pair of elements carried by said member and arranged thereon so that upon movement of the member in one direction one of said elements is moved into a projected position and the other into a retracted position and upon movement of said member in the opposite direction the one element is retracted and said other element projected, said elements and the member being constructed and arranged so that one of said elements when projected and actuated in one direction only will actuate said member and operate the switch and the other of said elements when projected and actuated in the opposite direction only will actuate the member and operate the switch.

2,276,412
FEEDING DEVICE FOR USE WITH ENDLESS CONVEYERS AND THE LIKE
Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application February 20, 1940, Serial No. 319,980
In Great Britain February 24, 1939
3 Claims. (Cl. 198—9)



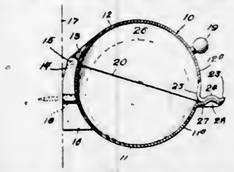
1. In feeding devices for conveyers of the type referred to wherein a rotary toothed loader bar cooperates with a comb device, the combination of a comb body, a plurality of comb picks held by the outer edge of the comb body, shoulders on the comb picks which laterally project and fit against the comb body and also space the picks apart and form a protection for the outer edge of the comb body.

2,276,413
SWITCH MECHANISM
Clarence W. Moore, Roslyn, Pa., assignor to United Specialties Co., Philadelphia, Pa., a corporation of Delaware
Application October 7, 1941, Serial No. 413,987
21 Claims. (Cl. 200—59)



1. A switch of the type described comprising a rotatable switch plate having contacts cooperable with a plurality of stationary contact terminals, a pair of spring biased levers rotatably mounted with their outer ends arranged for movement between retracted and projected positions respectively, actuator elements carried by the levers at their outer ends and mounted for relative movement with respect to said levers, spring means biasing said actuator elements to predetermined positions relative to the levers, and mechanism for rotating the switch plate operable also upon movement in one direction to cause one of said levers only to move to its projected position and upon movement in the opposite direction to cause the other of said levers only to move to its projected position, said levers and their actuator elements being constructed and arranged so that when one of said levers is projected actuation of its actuator element in one direction only will affect actuation of said mechanism to operate the switch plate and cause said one lever to return to its retracted position and when the other of said levers is projected actuation of its actuator element in the opposite direction only will affect actuation of the mechanism to operate the switch plate and cause said other lever to return to its retracted position.

2,276,414
PAPER ROLL DISPENSER
Ray I. Morehouse and John K. Gumpper, Chicago, Ill.
Application April 5, 1941, Serial No. 386,990
4 Claims. (Cl. 242—55.5)



1. A paper roll dispenser comprising a lower section having a complemental lid adapted to enclose a paper roll, the lower section being formed with positioning ribs having screw holes for the reception of screws from within the lower section, the upper ends of said ribs terminating in hinge ears, and said lid having hinge ears cooperating with the first mentioned hinge ears to hinge the lid to the lower section, the front meeting edges of the lower section and lid being formed with complemental corrugated upper and lower lips between which paper, from the roll, may be drawn out of the dispenser, the upper lip being formed with a notch and the lower lip being formed with a tearing edge.

2,276,415
PROCESS OF PRODUCING COATED FABRICS AND PRODUCT THEREOF
Alan E. Murray, Wilmington, Del.
No Drawing. Application October 31, 1938, Serial No. 237,887
6 Claims. (Cl. 91—68)

4. The process which comprises applying to a fabric a coating of dust of plaster of Paris, then applying thereto an aqueous suspension of rubber, then washing off a part of the aqueous suspension of rubber with the same aqueous suspension of rubber but diluted with water to leave only a thin film on the fibres leaving the mesh open and the nap relatively uncoated, and drying the fabric so that in the finished product the said fibres are covered with only a thin rubber film leaving the mesh open.

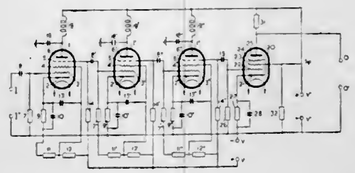
2,276,416
CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 284,607
11 Claims. (Cl. 192—68)

1. In a friction clutch torsional vibration dampener construction, a hub having a radial flange, a pair of annular disc members, one of which comprises a facing mounting member, embracing said flange, said members being oscillatable relative to said flange and being tied together for oscillation as a unit, a ring drivingly connected to the hub and associated with one of said disc members, said flange and disc members having substantially registering windows, cushioning elements seated in said windows and yieldingly opposing relative oscillation of said members and flange, friction washers interposed between said members and said flange, and between said ring and its associated disc member,



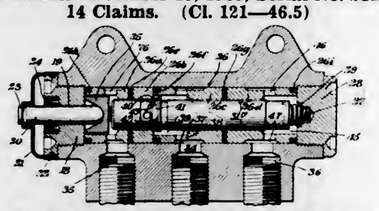
and means imposing continuous packing pressure upon said members, said ring and said friction washers for exerting a braking effect on said oscillation.

2,276,417
ELECTRIC AMPLIFIER CIRCUITS
Ferenc Preisach and Imre Zakarias, Budapest, Hungary, assignors to Vereinigte Glühlampen und Elektrizitäts Aktiengesellschaft of Ujpest, near Budapest, Hungary
Application September 30, 1938, Serial No. 232,676
In Germany September 30, 1937
12 Claims. (Cl. 179—171)



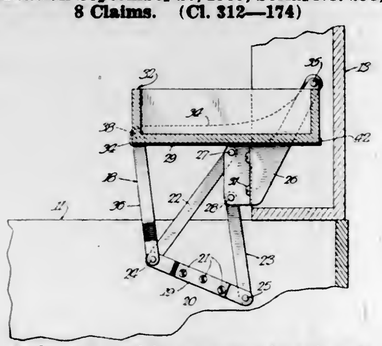
1. An amplifier circuit including at least one electron multiplier tube therein having an emissive source of primary electrons, a control grid, a screen grid, a multiplying electrode, and an output anode, together with means for heating said emissive source, said amplifier circuit further including one or more amplifier tubes following said multiplier tube, characterized by the fact that said circuit is provided with means constituting a voltage divider for the D. C. current feed to the multiplying electrode of said tube and with means constituting a voltage divider for the screen grid voltage thereof, the first-named divider being so proportioned or dimensioned and operable that for zero current in said multiplying electrode the accelerating voltage on the same has a value which exceeds fifty volts with reference to the emissive source, but is less than the working voltage for said multiplying electrode, said multiplying electrode being connected with the anodes of said amplifier tubes in such a way that the current yielded by the multiplying electrode is used in part or wholly for the supply of anode direct current to other amplifier tubes placed in the circuit.

2,276,418
APPARATUS FOR CONTROLLING THE APPLICATION OF POWER
Edward A. Rockwell, Forest Hills, N. Y.
Application November 19, 1938, Serial No. 241,312
14 Claims. (Cl. 121—46.5)



5. A valve comprising a slidable valve unit having a passageway, a bored member in which the valve is carried, annular resilient seals for the valve unit, located in the bore, a pressure fluid inlet between said seals extending from the outside of said valve to admit the fluid to said passageway, said valve unit having an annular valve element seating in the direction of the pressure exerted by the supply of pressure fluid thereto and a passageway therein adapted to be brought into communication with the fluid inlet, and a movable member for controlling the position of the valve and the escape of the pressure fluid.

2,276,419
CHEST
Edward Roos, River Forest, Ill.
Application September 20, 1939, Serial No. 295,805
8 Claims. (Cl. 312—174)



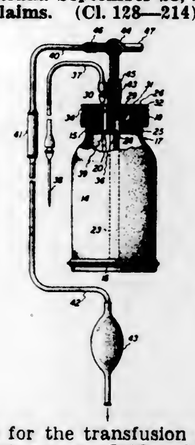
1. A chest comprising a compartment, a closure for said compartment, said closure having a recess therein, a hinge mechanism for connecting said closure to said compartment, said mechanism comprising a hinge plate rigidly connected to said closure and extending rigidly upwardly into said recess, means, including a plurality of hinges at each side of said compartment, cooperating with said hinge plate for causing said closure to move forwardly while the same is being opened, and a tray loosely mounted on, supported by, and movable with, said mechanism.

2,276,420
FERMENTATION OF VEGETABLE WASTE
Bruno Rosenfeld, Rehovoth, Palestine
No Drawing. Application April 26, 1938, Serial No. 204,466. In Great Britain May 3, 1937
7 Claims. (Cl. 195—44)

1. A process for the utilization of waste products of the citrus and apple juice manufacturing industries according to which a sterilized mash of the above waste product is inoculated with *Clostridium acetobutylicum*, following which the mass is allowed to ferment and the fermented mash is treated for the isolation of its constituents.

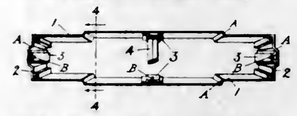
5. A process as claimed in claim 1 wherein the said isolation of the constituents of the mass comprises distilling the mass to yield volatile solvents and a spent wash.

2,276,421
BLOOD TRANSFUSION AND STORAGE APPARATUS
Colin Wallace Ross, Melbourne, Victoria, Australia, assignor to Elliotts & Australian Drug Pty. Limited, Sydney, New South Wales, Australia, a corporation of New South Wales
Application August 24, 1940, Serial No. 354,081
In Australia September 23, 1939
2 Claims. (Cl. 128—214)



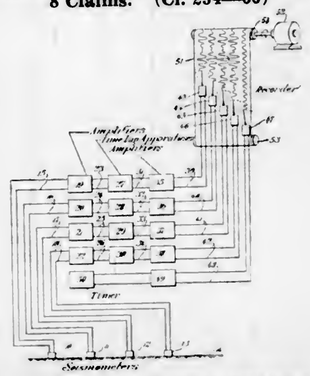
1. Apparatus for the transfusion and storage of blood and intravenous fluids, which includes a bottle, a stopper having two orifices and a topside cavity therein, an air tube in one of said orifices, a sealing disc having an orifice therein, a mound on said disc adapted to enter one end of said air tube, a rigid template having an orifice therein, a mound on said template, and means for clamping the stopper, the disc and the template on said bottle with said template mound entered through said disc orifice and within said cavity.

2,276,422
COLLAPSIBLE CORE FOR WALL MOLDS
Edward L. Siemer, Wichita, Kans.
Application April 10, 1939, Serial No. 266,988
2 Claims. (Cl. 25—128)



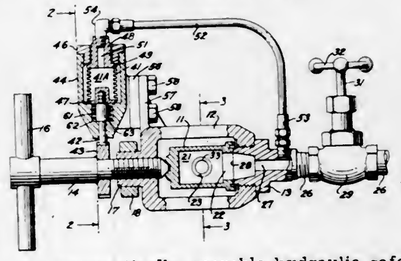
1. A collapsible removable core form for a concrete wall comprising sides and end walls oppositely disposed, respectively, each of said end walls converging downward edgewise, the edges of each end wall being bent in such a way as to interlap to avoid collapsation by an outward pressure, a strut member converging downward edgewise to correspond with the convergence of the end walls, the said strut member engaged between the sides intermediate of their edges to avoid collapsation by an exterior pressure.

2,276,423
RECORDING SYSTEM
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application August 31, 1939, Serial No. 292,836
8 Claims. (Cl. 234—66)



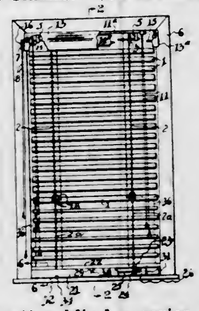
3. A recording system for a plurality of electrical signals to be recorded as a plurality of indicia on a moving record strip so that the records of signals occurring simultaneously are aligned with each other which comprises a plurality of time lag elements adapted to delay the transmission of various of said signals and a plurality of record drawing elements, at least some of said record drawing elements being constructed and arranged to record said delayed signals as indicia on said record strip, the width of said record strip on which said signals are to be recorded being less than the aggregate effective width of said plurality of record drawing elements, said plurality of record drawing elements being arranged in a plurality of lines in staggered relationship with each other, said time lag elements being constructed and arranged to produce displacements of said indicia equal and opposite to the displacements of said indicia caused by the staggered relationship of said record drawing elements constructed and arranged to record said delayed signals, thereby compensating for the differences in position of said plurality of record drawing elements measured in the direction of motion of said record strip.

2,276,424
AUTOMATIC HYDRAULIC SAFETY LOCK FOR OIL BURNERS
Ludvig K. Siversen, San Francisco, and John D. Stigen, Oakland, Calif.
Application August 23, 1940, Serial No. 353,898
5 Claims. (Cl. 158—73)



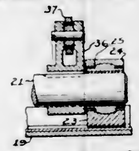
1. An automatically operable hydraulic safety lock for adaptation to oil burners, said lock comprising the combination with a detachable burner head, a valve-controlled oil supply pipe for delivering oil through the head to a burner, and a jacking-screw for tightening the burner head in alignment with the supply pipe, of an expansible and contractible element in communication with the oil supply pipe and responsive to the pressure in the pipe to expand said element, means for contracting said element when no pressure exists in the oil supply pipe, a first latching member carried by said element, and a second latching member on the jacking-screw; said first latching member being held free of said second latching member by said means when the oil supply pipe is closed and being urged into engagement therewith by said element when the oil supply pipe is under pressure to any extent thereby preventing loosening of the jacking-screw and removal of the burner head.

2,276,425
VENETIAN BLIND
Michael Clement Slattery, Owen Sound, Ontario, Canada
Application June 6, 1941, Serial No. 396,904
In Canada June 7, 1940
8 Claims. (Cl. 156—17)



1. In a Venetian blind, a series of slats, means for horizontally suspending said slats in a window frame in spaced relationship with one another, with the upper slat spaced from the top of the window frame, a reflector adapted to be mounted on the frame opposite the space between the top of the frame and the upper slat to direct light passing through said frame downwardly and outwardly against the blind, and means for turning the slats on a horizontal axis.

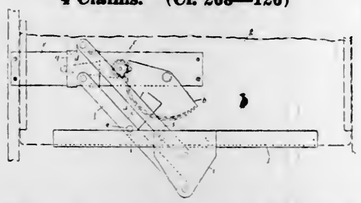
2,276,426
SHAKER CONVEYER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 7, 1940, Serial No. 360,139
7 Claims. (Cl. 198—220)



1. In a shaker conveyer drive mechanism, a base upon which the drive mechanism is mounted, a rocking member mounted on said base and driven to produce a reciprocatory conveying motion, and means for reciprocably driving the conveyer trough line from said drive mechanism and

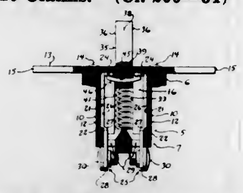
for holding said base from movement during reciprocation of the conveyer including a drive mounting wider than and separate from said drive mechanism and adapted to be secured to the ground and have said drive mechanism pivotally connected thereto adjacent one side of said mounting, a transverse rocking shaft on said drive mounting, a drive connection between said rocking member and rocking shaft, and a drive connection between said rocking shaft and a trough of a shaker conveyer trough line, for reciprocably driving said trough line in such a manner as to cause the movement of material therealong.

2,276,427
WINDOW RAISING AND LOWERING MECHANISM
Arthur Smye, Birmingham, England, assignor to Wilmot-Breeden Limited, Birmingham, England
Application May 26, 1939, Serial No. 275,967
In Great Britain June 1, 1938
4 Claims. (Cl. 268—126)



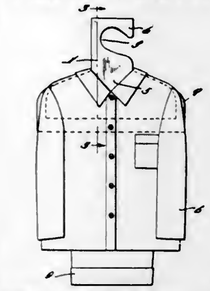
1. Window raising and lowering mechanism comprising the combination of an actuating lever, an arm, a pivot directly connecting the intermediate part of said arm to the outer end of the lever, a laterally extending guide member arranged adjacent the said actuating lever, a slide carried by said guide member and having one end of the arm pivoted thereto, a member to which the other end of the arm is pivoted and through which this end of the arm can act on the window, and another arm forming with the first arm a parallel-motion linkage interconnecting the said member and the slide, whereby any tilting of said window is prevented while the slide prevents any lateral thrust against the window guides.

2,276,428
ELECTRIC SWITCH
Edgar M. Soreng, Chicago, Ill., assignor to Soreng-Manegold Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 275,100
10 Claims. (Cl. 200—54)



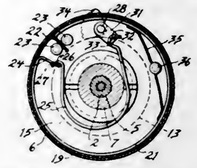
1. In a switch of the character described: an insulating base having a cavity opening to one end thereof, said cavity having spaced side walls and a bottom wall provided with openings adjacent to the side walls; combined contact and terminal members extending longitudinally along said side walls and having their terminal portions passing through said openings in the bottom wall; contact portions on said combined contact and terminal members near the open end of the cavity and directed inwardly toward the inside of the cavity to be spaced apart a distance less than the spacing between the major portions of the combined contact and terminal members which extend along the side walls of the cavity; an actuator movable in said cavity toward and from the bottom wall thereof with a part disposed between the combined contact and terminal members; a contactor carried by said part of the actuator and extending to opposite sides thereof, said contactor being shorter than the spacing between the major portions of said combined contact and terminal members but longer than the spacing between the contact portions thereof so as to be engageable with the undersurface thereof upon outward motion of the actuator; and means biasing the actuator outwardly to normally maintain the contactor in engagement with said contact portions.

2,276,429
COMBINATION GARMENT HANGER
Henry Spitz, New York, N. Y.
Application December 11, 1939, Serial No. 308,692
5 Claims. (Cl. 223—87)



1. A garment hanger formed from a single sheet of bendable material comprising a strip folded transversely at an intermediate point, and garment holders on the ends of said strip, the lower edges of said holders being free, one of said holders having a horizontal slot therein for the reception of a garment, said slot extending below the horizontal plane of the lower edge of the other holder.

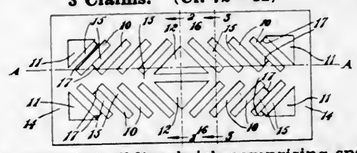
2,276,430
FRICTION CLUTCH
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1940, Serial No. 321,023
5 Claims. (Cl. 64—30)



1. In a device of the character described, the combination with relatively rotatable friction clutch members, of means for maintaining frictional clutching engagement of said clutch members comprising spring means, pivoted means operative on said spring means and movable into

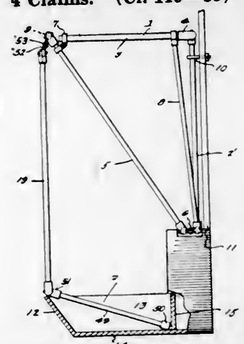
and out of position for increasing the friction of said engagement and stop means limiting movement of said pivoted means, said pivoted means having over center relationship with said spring means whereby said spring means retains said pivoted means in its opposite positions.

2,276,431
CORED BRICK
Enos A. Stewart, Canton, Ohio
Application August 11, 1939, Serial No. 289,707
3 Claims. (Cl. 72—41)



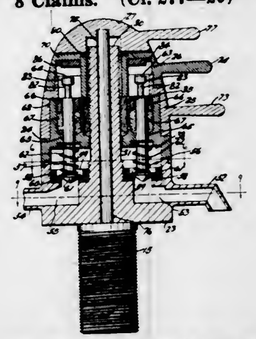
3. A ceramic building brick comprising spaced, parallel facing walls, end walls integrally connecting the ends of the facing walls, a central, longitudinal, vertical partition wall integrally connected at opposite ends to the end walls, and a row of spaced, relatively thin, obliquely inclined walls integrally connecting each facing wall with the adjacent side of the central partition wall, said obliquely inclined walls being located substantially at a forty-five degree angle to the facing walls, the obliquely inclined walls on opposite sides of the central partition wall being oppositely inclined to each other, the obliquely inclined walls of each end portion of each row converging toward the obliquely inclined walls of the other end portion of the row at the adjacent parallel facing wall, forming a triangular aperture at the center of each row, the base of each triangle coinciding with the adjacent side of the central partition wall.

2,276,432
GATE
John Stucki and Eda E. Stucki, Parkville, Mo.
Application November 17, 1941, Serial No. 419,512
4 Claims. (Cl. 119—59)



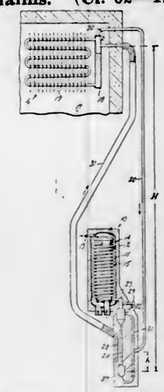
1. The combination with a feed trough having front and rear sides, respectively, and a hay rack upstanding from the rear side of said trough and having a front inclining upwardly and forwardly, of a gate structure including a rectangular frame coextensive in width with the length of said trough, means swingably suspending said frame from the upper front edge of said rack to normally hang vertically over the front side of the trough parallel therewith and thereby block access to said trough and rack, said gate being swingable rearwardly to clear the top of the trough and into a plane parallel with the front of said rack to permit access to said trough and block access to said rack, and means coacting with opposite sides of said trough to lock the gate structure rearwardly and forwardly, respectively.

2,276,433
VALVE STRUCTURE
Alton W. Sturman, Minneapolis, Minn.
Application July 3, 1940, Serial No. 343,809
8 Claims. (Cl. 277—20)



1. A valve structure comprising, a body portion having a chamber and having a plurality of inlet openings and a plurality of outlet openings communicating with the chamber, a valve movably mounted in each of the openings for controlling the flow of fluid from the inlet openings into the chamber and outwardly through the outlet openings, the valves in the inlet openings being arranged to open in a direction opposite to the valves in the outlet openings, stems extended from the valves, the stems of the outlet valves having knob-shaped upper ends, cam means engaging the ends of the inlet valve stems for urging the same in one direction to open the inlet valves, and separate cam means engaging the knob-shaped ends of the outlet valve stems for urging the same in an opposite direction to open the outlet valves.

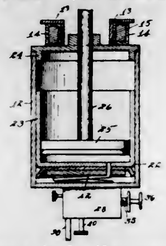
2,276,434
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 16, 1938, Serial No. 219,511
8 Claims. (Cl. 62—125)



1. In a heat transfer system including a first

circuit partly filled with a volatile liquid and having an evaporation portion at an upper elevation and a condensation portion at a lower elevation, a second circuit containing a liquid of greater specific weight than the volatile liquid, and means associating said circuits whereby liquid in said second circuit is circulated by vapor formed in said first circuit and circulation of liquid in said second circuit effects lifting of liquid in said first circuit between said elevations.

2,276,435
VIBRATORY JACK
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application December 13, 1940, Serial No. 369,943
11 Claims. (Cl. 121—150)



8. In a vibratory jack, the combination of a cylinder, a second cylinder within the first cylinder, closed at its lower end and capable of longitudinal movement therein, a piston fixed to the under side of the second cylinder, a piston within the second cylinder and movable therein and having a piston rod connected therewith and extended through the top of the first cylinder, means for admitting and exhausting fluid pressure below the first mentioned piston, and means for admitting and exhausting fluid pressure from below the second piston.

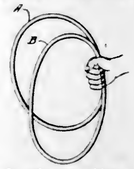
2,276,436
COATING MINERAL AGGREGATES
Elton B. Tucker, Highland, Ind., and Henry M. Grubb, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 20, 1940, Serial No. 366,382
18 Claims. (Cl. 106—273)

1. The method of forming a water-resistant bond between a siliceous material and a bituminous material comprising incorporating in the bituminous material a small amount of a halide of a metalloid of the fifth group of the periodic system.

2,276,437
POLYMERIC MATERIALS
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1939, Serial No. 270,656
10 Claims. (Cl. 260—33)

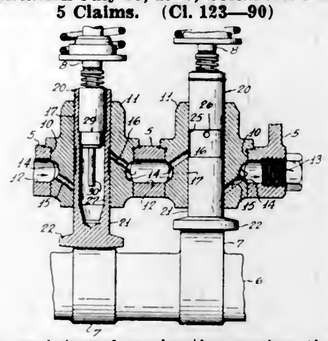
3. A synthetic linear polyamide plasticized with an alkylaryl sulfonamide in which the alkyl group contains at least four carbon atoms, the said polyamide being the reaction product of a polymer-forming composition comprising reacting materials selected from the class consisting of (*a*) polymerizable monoaminomonocarboxylic acids, and (*b*) mixtures of diamine and dibasic carboxylic acid; the said polyamide having an intrinsic viscosity of at least 0.4.

2,276,438
BELT AND METHOD OF TREATING THE SAME
Walter H. Van Buren, Akron, and Paul W. Van Orden, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 14, 1939, Serial No. 309,280
5 Claims. (Cl. 74—233)



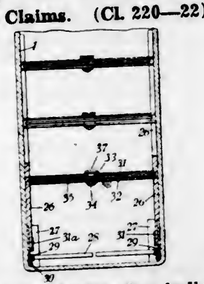
1. The method of treating a molded transmission belt which comprises massaging the molded belt after vulcanization thereof and prior to its normal use on pulleys by subjecting it to a repetition of relatively gentle flexures and frictionally manipulating the surface of the belt to remove surface crust and increase the flexibility of the belt.

2,276,439
INTERNAL COMBUSTION ENGINE
Carl Voorhies, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 13, 1940, Serial No. 345,326
5 Claims. (Cl. 123—90)



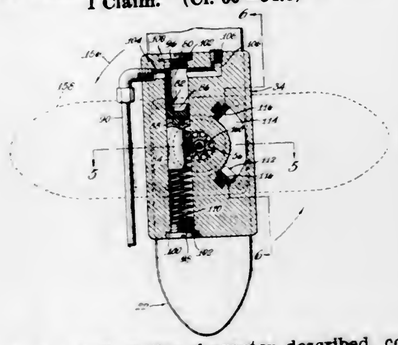
1. In an internal combustion engine, the combination with a plurality of hydraulic valve tappets, of an engine block having a wall provided with a like number of cylindrical tappet guide bores having tappet guide bushings therein for receiving said tappets, said tappet guide bores and bushings having their axes extending in substantially the same direction and lying in a common plane, alined passages extending within the wall, between consecutive bores and to the outside of the engine block and joining with circumferential passages surrounding said guide bushings, a source of liquid supply, a pump arranged between and communicating with said source of liquid supply and one end of said alined passages for furnishing liquid thereto, and liquid passages in said guide bushings extending upwardly and downwardly from said circumferential passages for furnishing liquid to said tappets and tending to eliminate foreign matter from the alined passages, respectively.

2,276,440
INTERNAL FITTING FOR HOLLOW CONTAINERS
William Walsh, London, England
Original application April 11, 1938, Serial No. 201,396. Divided and this application January 5, 1939, Serial No. 249,503. In Great Britain May 7, 1937
4 Claims. (Cl. 220—22)



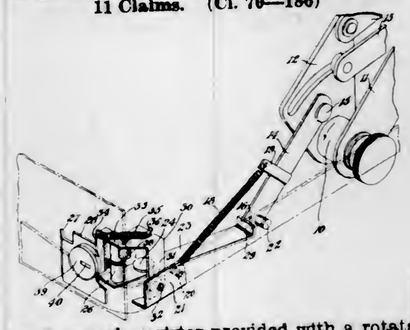
1. An internal fitting for hollow containers comprising, a plurality of bars extending lengthwise of the container along opposite inner faces thereof, a plate member secured to one end of each bar, yielding means pressing said plate members into frictional gripping engagement with the interior surface of the container, a shelf arranged transversely of the container having recesses therein for said bars, a blade rotatably mounted on said shelf, each of said bars having a lateral groove therein, and means for rotating said blade to move the ends thereof into said grooves.

2,276,441
DIRECTION SIGNAL
Charles D. Warlick and Marma Duke Ijames, Salisbury, N. C.
Application October 3, 1939, Serial No. 297,738
1 Claim. (Cl. 60—54.6)



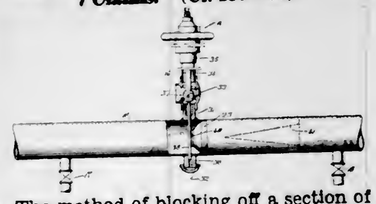
In a signal of the character described, comprising a body having means for attachment to a support, a bore extending through said body, a shaft mounted on said bore, a signal arm carried by the outer end of the shaft, a bore extending through the body at right angles to the first mentioned bore and intersecting the same, a pinion carried by the shaft and extending into the second bore, an elongated piston in the second bore and formed with rack teeth meshing with the pinion, a coil spring in the bore and engaging one end of the piston and holding the same in position with the signal arm in an inoperative position, a fluid pressure pipe communicating with the opposite end of the bore for moving the piston against the spring and moving the signal arm to operative position, means for releasing the fluid pressure in the bore, a segmental slot in the body and arranged concentric with the shaft, cushioning means in the ends of the slot, and a stop arm carried by the signal arm and extending into the segmental slot.

2,276,442
REGISTER CONTROL LOCK
Fletcher L. West, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application May 3, 1941, Serial No. 391,798
11 Claims. (Cl. 70—186)



1. In a cash register provided with a rotatable main shaft, stop means upon the main shaft, a lock lever fulcrumed within the register, means normally holding the lock lever in position to locate a portion thereof in the path of the stop means so as to prevent rotation of the main shaft, a lock lever latch for normally preventing movement of the lock lever, a lock plug in the register having a key receiving slot, so positioned that a key inserted through said slot will first release the latch and then move the lock lever out of the path of said stop means.

2,276,443
METHOD AND APPARATUS FOR BLOCKING OFF PIPE LINES
Charles E. Wilson, Manhattan, Ill., assignor to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
Application March 22, 1939, Serial No. 263,332
7 Claims. (Cl. 137—78)

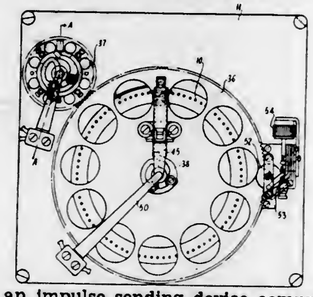


1. The method of blocking off a section of pipe line which comprises temporarily obstructing said line at a selected point with respect to relatively large objects while allowing the flow of fluid therethrough to continue, and dispatching a plug through said line to said point, said plug being adapted to travel with said fluid and to expand and block further flow of fluid when its further travel is obstructed.

4. Apparatus for blocking off a section of pipe line comprising means inserted at a desired point within said pipe line forming an obstruction adapted to stop relatively large objects while

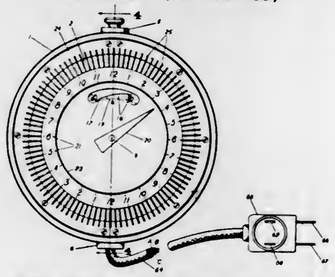
allowing the continued flow of fluid, and a plug adapted to travel through said pipe line with said fluid and to expand and block further flow of fluid upon coming in contact with said obstruction.

2,276,444
IMPULSE SENDING MECHANISM
Cecil Robert Woodland, John William McClew, and Eric Innes Houghton, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application September 8, 1939, Serial No. 293,988
In Great Britain September 28, 1938
10 Claims. (Cl. 179—90)



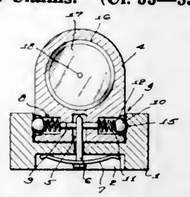
3. In an impulse sending device comprising a plurality of digit keys, a member adapted to be moved different amounts of movement, an electromagnet responsive to the actuation of any one of said keys for directly moving said member in its different amounts of movement, electromagnetic means also responsive to the actuation of said key for limiting the amount of movement of said member in accordance with the actuated key, a pin-setting lever displaced an amount corresponding to the amount of movement of said member, a particular one of a plurality of pins being set in a registering position in accordance with said displaced lever, and transmitting means actuated in accordance with said set pin in registering position for transmitting impulses corresponding to the actuated digit key.

2,276,445
RADIO TIMING DEVICE
Homer W. Young, Springfield, Mo.
Application October 3, 1940, Serial No. 359,485
6 Claims. (Cl. 200—39)



1. A radio timing device comprising a case, a clock motor, a rotor driven by said clock motor, a pair of make-and-break contact points, one of said points being movable into and out of contact with the other of said points, a resilient means adapted to be moved either to a position urging said movable point away from said other point or to a position urging said movable point toward said other point, a movable shifting means for moving said movable resilient means from one of said positions to the other, a spring adapted to resiliently urge said shifting means in a direction to affect opening of the breaker points, said breaker points, said resilient means, said shifting means and said spring being carried by said rotor, a pair of brushes carried by said rotor one of said brushes being in connection with said movable point and the other of said brushes being connected with said other point, a pair of stationary collector rings, one of said brushes being in sliding engagement with one of said rings and the other of said brushes being in sliding engagement with the other of said rings, said rings forming terminals on opposite sides of said points, and a series of annularly disposed manually operable selective slides, said slides being radially spaced about a 24-hour clock face, there being one slide for each quarter-hour division of said clock face, said slides being adapted to be engaged by said movable shifting means when such slides are moved to a selected position, said movable shifting means being adapted to be moved by said selective slide to a position affecting closure of said points when said shifting means is rotated into engagement with said selected slide, said movable shifting means being adapted to be moved by said spring to a position affecting opening of said points when said shifting means disengages said slide.

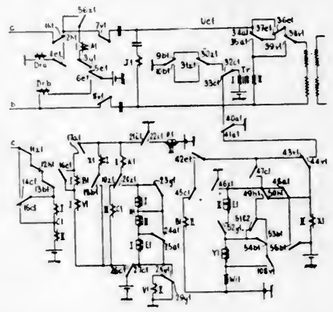
2,276,446
GUN SIGHT
Louis Zimmerman, Pittsburgh, Pa.
Application March 15, 1941, Serial No. 383,613
4 Claims. (Cl. 33—53)



1. A gun sight comprising a base, an upright sight carrying member means mounting the sight carrying member upon the base for pivotal movement for a complete revolution about a vertical axis, said sight carrying member having an opening therein passing from one face of the sight carrying member through the other face, a lens located in an intermediate part of the opening, sight means of different types at the centers of opposite faces of the lens and latch means for holding the member in position about said vertical axis with either sight means in operative position.

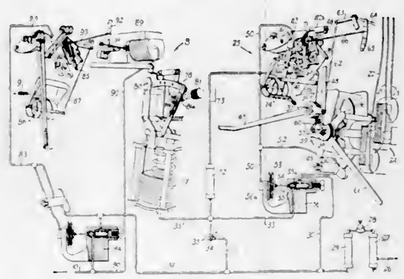
2,276,447
CIRCUIT ARRANGEMENT FOR AUTOMATIC TELEPHONE INSTALLATIONS
Egon Zirzow, Berlin, and Herbert Töpfer, Berlin-Siemensstadt, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application August 25, 1939, Serial No. 291,810
In Germany August 30, 1938
4 Claims. (Cl. 179—16)

1. In a telephone system wherein talking connections are extended from a calling party to a called party over a trunk line which is open to direct current, means controlled by the calling party for releasing said connection either before or after the response of the called party, means



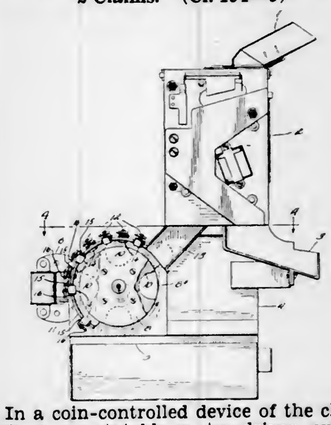
effective to transmit a single inductive impulse over said trunk line to operate said release means before said response and means effective to transmit a train of successive inductive impulses over said trunk line to operate said release means after said response.

2,276,448
IMPULSE CONTROLLER
Albert Allen and Henry O. Ehrisman, Sharon, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application December 1, 1938, Serial No. 243,481
15 Claims. (Cl. 34—41)



1. The method of maintaining at a desired value the moisture condition of a running web of paper being dried by passage over heated drying rolls, comprising the steps of regulating the heat supply to said drying rolls to effectively maintain the temperature of said drying rolls at a control point, adjusting said control point in response to variations of said moisture condition to slowly raise said control point when said moisture condition is greater than the said desired value and slowly lower said control point when said moisture condition is less than the desired value, and superimposing on said adjustment responsive to changes in said moisture condition an impulse which immediately sets said control point upward a predetermined amount when said moisture condition goes above the desired value, and immediately sets said control point downward a predetermined amount when said moisture condition goes below the desired value.

2,276,449
MULTIPLE COIN RECEIVER
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application May 19, 1939, Serial No. 274,588
2 Claims. (Cl. 194—9)

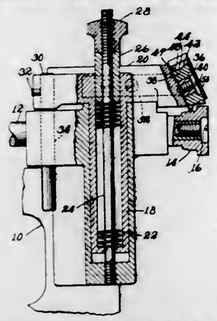


1. In a coin-controlled device of the character described, a rotatable motor-driven cylindrical coin carrier having three laterally spaced coin receiving pockets disposed in its periphery for receiving coins of three different diameters, said pockets positioned to carry each of said coins in a path separate from the others, said pockets each having a bottom at a depth less than the diameter of the respective coins received therein to position the outer edges of the coins received therein substantially equidistant from the axis of rotation of said coin carrier, a plurality of outwardly displaceable projections positioned in circumferentially spaced relation about the periphery of said carrier, said projections arranged in the paths of said pockets so that when in said pockets the coins will displace the projections, the coin of intermediate diameter displacing one of said projections, the coin of smallest diameter displacing a greater number of projections, and the coin of greatest diameter displacing a still greater number of projections, each of the aforesaid projections having a separate open electric switch directly associated therewith and constructed and arranged to be momentarily closed by said projections when the latter are encountered by coins carried in said pockets of said coin carrier, the projections in each of the paths of travel of the different diameter coins being separate and distinct and structurally independent from the projections in any of the other paths of travel of the coins, a supporting member for said projections adjacent said coin carrier, said supporting member having openings extending therethrough radially with relation to said coin carrier, each of said projections extending through one of said openings.

2,276,450
WELT APPLYING MACHINE
Fred L. Ayers, Watertown, Mass., assignor of one-half to Newton Elkin, Philadelphia, Pa.
Application August 3, 1940, Serial No. 350,493
10 Claims. (Cl. 12—51)

1. A machine for applying a welt to a shoe of the character described comprising a roll having a frusto-conical surface for gripping one side of the work, the larger peripheral edge of said roll

being outwardly disposed and adapted to enter the welt crease of a shoe, a roll having a surface co-operable with the frusto-conical surface of said first named roll to engage the other side of



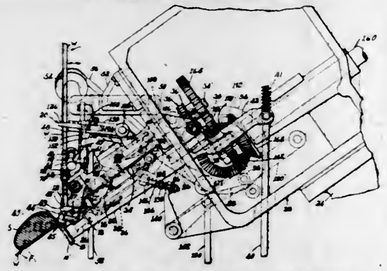
the work, means urging one of said rolls toward the other to press the work therebetween, and means for driving one of said rolls to feed the work while so pressed.

2,276,451

MACHINE FOR CEMENT-ATTACHING WELTING

John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 23, 1940, Serial No. 371,268
37 Claims. (Cl. 12—51)



1. A machine for adhesively attaching strip welting to a shoe having an outturned flange, comprising means for progressively uniting a precoated welting strip with the flange, said means consisting of a support for the welting strip, a portion of said support being adapted to project into the crease between the flange and upper, means for guiding said welting over the support with its inner edge coinciding with the aforesaid portion, a support for the flange, means on said last-named support raised above the surface thereof adapted to project into the crease between the flange and bottom, and means for yieldably urging the support for the flange in toward the support for the welting to press said flange against said welting.

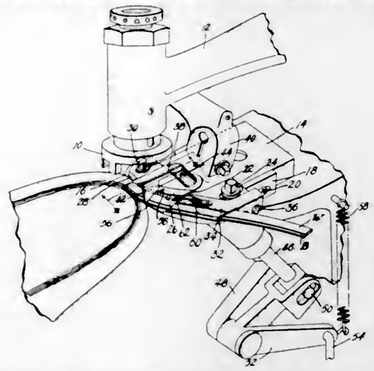
2,276,452

WELT APPLYING MACHINE

James P. Fredericksen, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 24, 1940, Serial No. 371,525
8 Claims. (Cl. 12—51)

1. In a machine for adhesively attaching strip welting to a shoe of the character described, means for supporting the welting, means for pounding the welting and the flange of the shoe into engagement with each other thereby to ad-



hesively secure the welting to the shoe, and means for guiding the unattached welting into position to be operated upon by the pounding means.

2,276,453

LUBRICANT COMPOSITION

Adolph F. Bandur, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application July 14, 1939,
Serial No. 284,444
4 Claims. (Cl. 252—25)

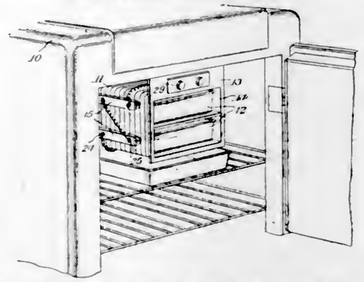
1. A composition suitable for lubricating die members used in compressing finely divided particles of material into composite bodies, comprising 20 to 30 parts stearic acid, 4 to 6 parts spermaceti, 4 to 6 parts lanolin, 1 to 3 parts borax, and a sufficient quantity of water to form a homogeneous emulsion of said ingredients.

2,276,454

ELECTRIC DEFROSTER FOR REFRIGERATORS

Harry L. Becker, Council Grove, Kans.

Application March 9, 1939, Serial No. 260,836
7 Claims. (Cl. 62—1)



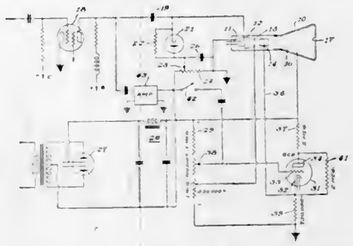
1. In a refrigerator having a cooling coil, the combination of a casing secured to the said coil and having an open side in appressed confronting relation therewith, a heating element within the casing adjacent the open side thereof, electrical insulating, heat conducting material interposed between the said heating element and the said cooling coil, and a heat insulating material interposed between the heating element and the closed sides of the said casing.

2,276,455

CATHODE-RAY TUBE APPARATUS

George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1939, Serial No. 258,891
7 Claims. (Cl. 250—27)



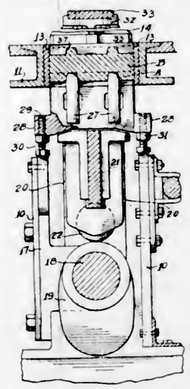
6. Apparatus comprising an electrostatically focused cathode ray tube, said tube having a first anode and a second anode, means for supplying voltages to said anodes, said means including a variable impedance connected in series with said first anode, and means for causing said impedance to vary with variations in current to the first anode.

2,276,456

DIE FOR MAKING INTERLOCKING BRICKS

Roy Morrelle Bender, La Canada, Calif.

Application April 8, 1940, Serial No. 328,515
1 Claim. (Cl. 25—102)



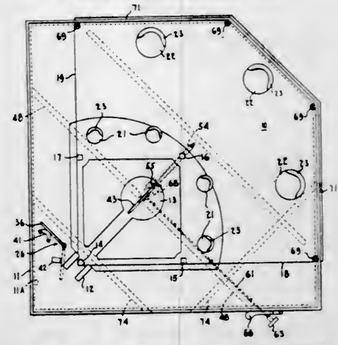
In a brick and block repress as described, having a table provided with a walled aperture, an upper die member having a bead forming groove and a pair of lower die members mounted for reciprocation in said aperture, one of said lower die members having a plate portion and a plurality of vertical slots, the second of said lower die members having web portions extending substantially across said aperture, adapted for reciprocation in said slots, abutment supporting means for said second lower die member, said first lower die member having means to engage and raise said second die member with said first die member to said table, said first lower die member adapted to be lowered farther than said second lower die member whereby to form a groove in the bottom and a bead on the top of the brick when the upper die member is lowered.

2,276,457

BASEBALL GAME APPARATUS

George E. Bock, New York, N. Y.

Application May 16, 1940, Serial No. 335,446
11 Claims. (Cl. 273—89)



1. In a table baseball game apparatus, a playing field board, a pitching mechanism comprising a slot in said board to receive a ball of a size to rest partially in said slot, a pivotally mounted pitching arm movable in the slot, and spring means for moving the arm forwardly, the arm having a flat portion and a slanting portion, the portions being arranged to engage the ball to govern the type of pitched ball delivered.

2,276,458

WALL SPACER FOR CONCRETE FORMS

Joseph L. Boettner, Oak Park, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois

Application May 31, 1940, Serial No. 338,024
6 Claims. (Cl. 248—351)



4. A form wall spacer comprising a pair of struts disposed in endwise alinement with their adjacent ends overlapped, a pivot connecting said overlapped ends, the combined lengths of said connected struts equalling the internal width of the form, and said overlapped ends having holes registering with each other in the fully expanded position of said struts, a bail connected to said pivot for raising and collapsing said spacer, a hook for liftingly engaging said bail, and a slide mounted on said bail formed with a tongue on its lower end adapted to enter said holes and thereby lock said struts in fully expanded position.

2,276,459

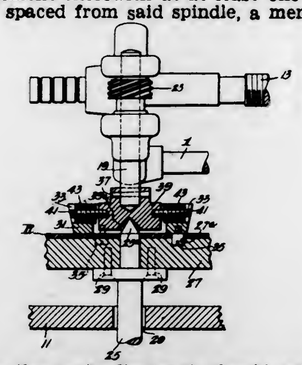
PHONOGRAPHIC APPARATUS

Raymond F. Brady, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1939, Serial No. 276,604
10 Claims. (Cl. 64—11)

1. In a phonograph, the combination of a driving spindle, a driven shaft in substantial axial alignment with said spindle, and power transferring means coupling said spindle and said shaft, said means comprising a turntable fixed to said spindle and rotatable therewith, said spindle

protruding above said turntable, means removably coupled to said turntable and having driving engagement therewith at at least one point radially spaced from said spindle, a member rest-



ing on the protruding end of said spindle and carrying said shaft, and means affording a driving connection between said member and said last-named means.

2,276,460

MAKING CELLULOSE ETHERS

Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 23, 1939, Serial No. 296,223
8 Claims. (Cl. 260—231)

1. A method of producing uniformly substituted solvent-soluble lower alkyl ethers of cellulose wherein the alkyl groups contain from 1 to 5 carbon atoms, which comprises forming an alkali cellulose containing an excess of sodium hydroxide over that represented by the formula $C_6H_{10}O_5.3NaOH$, adding an excess of a lower alkyl halide over the total sodium hydroxide present, heating the mixture for from 1.5 to 5 hours, to effect etherification solely through interaction of the alkali; cellular and alkyl halide, at a temperature between about 90° and about 150° C. only until the maximum degree of etherification under reaction conditions is attained, thereupon immediately terminating the reaction, thereafter separating the unreacted excess of only one of the reagents above-stated to be originally present in excess, leaving a residual mixture having a pH above 5.5 and containing the non-uniformly substituted cellulose ether, heating such residual mixture while maintaining therein a pH above 5.5 for from 3 to 8 hours at a temperature between 90° and 150° C. in contact with a solvent capable of dissolving the cellulose ether when the latter is uniformly substituted, until the total time at reaction temperature in the etherification and in the after-treatment is from 8 to 12 hours, and separating the uniformly substituted cellulose ether from the so-treated mixture.

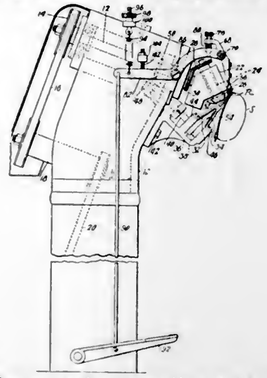
2,276,461

INSEAM TRIMMING MACHINE

Charles Gustave Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 9, 1940, Serial No. 328,703
16 Claims. (Cl. 12—82)

1. A trimming machine comprising a rotatable cutter having a plurality of straight cutting edges, means for feeding a lasted shoe past said cutter with the surplus material of the rib on the bottom of said shoe in engagement with said



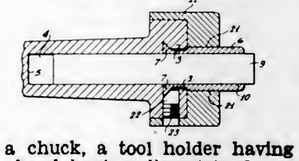
cutter, and means for operating said cutter so that each of said cutting edges moves across the rib in a direction different from that of each of the other cutting edges.

2,276,462

BORING CHUCK

Harry F. Brown, Detroit, Mich.

Application May 16, 1939, Serial No. 273,966
2 Claims. (Cl. 279—6)



1. In a chuck, a tool holder having dovetail slides, a head having diametric dovetail guides receiving said slides and supporting the tool holder projecting endwise from the head, an element secured to said head and having supporting surfaces endwise remote from the guide surfaces and coacting therewith in supporting the tool holder, an angularly shaped soft-metal gib supported for engagement with one of said slides, and releasable means for holding said gib in wedging engagement, said element reinforcing said head in the region of said gib to prevent distortion of the head when said gib is tightened into wedging engagement.

2,276,463

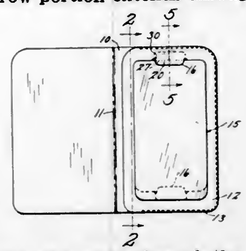
REFILLABLE MEMORANDUM PAD

Warner R. Buxton, Longmeadow, Mass.; Mabel Allen Buxton, executrix of said Warner R. Buxton, deceased, assignor to Buxton, Incorporated, a corporation of Massachusetts

Application May 29, 1940, Serial No. 337,777
8 Claims. (Cl. 281—19)

6. A memorandum pad of the refillable type which comprises a filler supporting member in the form of a sheet of flexible leather material, said sheet being provided with spaced cuts, and a block of filler sheets, the sheets of the filler block being bound together and to a flexible backing member at one end, the corner portions of the bound end being cut away to form a narrow portion at that end of the filler block, which narrow portion extends through one of said cuts, the corners of the unbound end of the backing

member only being cut away to form a narrow portion at the opposite end of the filler block which narrow portion extends through the other



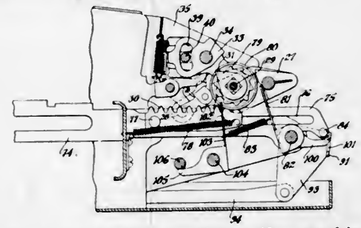
of said cuts, the end edge of the last-named narrow end portion being flush with the adjacent end edges of the sheets of the filler block.

2,276,464

CALCULATING MACHINE

Harold W. Clark, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio

Application August 3, 1939, Serial No. 288,164
4 Claims. (Cl. 235—60)



1. In a calculating machine, the combination of a plurality of accumulator wheels, a corresponding plurality of type bars, a differential actuating slide connected to each type bar, a rack yieldably connected to each actuating slide for independent movement in one direction, and for actuating the corresponding accumulator wheel, means for moving the accumulator wheels into and out of engagement with the racks, means for reciprocating said actuating slides, pawls normally held out of engagement with said accumulator wheels, a key, and means actuated by the operation of said key for moving the pawls into engagement with the accumulator wheels to block actuation thereof by said racks, the actuating slides being non-yieldingly connected to the type bars so that the blocking of the accumulator wheels by the pawls while said wheels are engaged with said racks prevents actuation of said wheels without interference with the setting of the type bars.

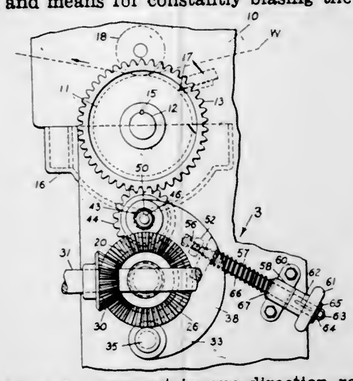
2,276,465

REGISTERING MECHANISM FOR PRINTING MACHINES

Herman P. Clauberg, Hasbrouck Heights, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 28, 1939, Serial No. 311,431
10 Claims. (Cl. 101—248)

1. In a printing machine, a rotatable cylinder, a cylinder gear rotatable with the cylinder, a driven gear, an idler gear operably interposed between the driven gear and cylinder gear, means for so moving the idler gear relative to the driven gear and cylinder gear as to vary the angular relationship between the cylinder and the driven gear, and means for constantly biasing the idler



gear toward movement in one direction relative to the cylinder gear and driven gear.

2,276,466

LANDING WHEEL MOUNTING FOR AIRCRAFT

Ephraim W. Cleveland, Berea, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Application January 6, 1939, Serial No. 249,620
5 Claims. (Cl. 244—100)



1. In a landing gear for aircraft, a shock absorber including upper and lower telescoping cylinders the lower one being capable of swivel relative to the upper one, the lower end portion of the lower cylinder being of tubular cross section bent in offset relation with the center axis of the shock absorber and extending substantially parallel thereto, a wheel carrying knuckle, and a swivel connection between said cylinder and knuckle including a spindle operatively mounted within the lower end portion of said cylinder, the angle measured between the rear side of the center axis of each swivel relative to the craft and the ground when the craft rests on the ground being less than 90°.

2,276,467

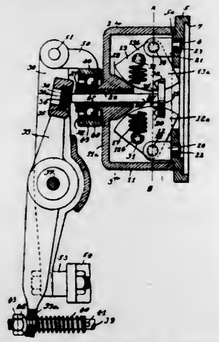
GOVERNOR

Charles Cotta, Rockford, Ill.

Application January 2, 1940, Serial No. 311,962
11 Claims. (Cl. 264—15)

6. A governor comprising a rotatable head

adapted to be turned at a speed proportionate to the speed of the mechanism to be governed, a cup-shaped housing adapted to be detachably secured to said head, a pair of fly-weights pivotally mounted on parallel axes on said head in said housing, coiled tension springs disposed in approximate parallelism on opposite sides of said fly-weights and connected to the fly-weights to resist pivotal movement thereof outwardly relative to one another under centrifugal force, and a pair of substantially parallel bolts disposed on opposite sides of said fly-weights and springs in closely spaced relation to the mid-portions of said springs and serving to secure the housing to the head and also limit outward buckling of the springs under centrifugal force.



11. A governor comprising a rotatable support adapted to be turned at a speed proportionate to the speed of the mechanism to be governed, a pair of generally triangular-shaped flyweights pivotally mounted on parallel axes on said support by their apex portions and normally projecting toward each other so that an appreciable fraction but less than half of the mass of each weight is on the negative side of a plane through the pivot axes, spring means resisting pivotal movement of said weights outwardly relative to one another under centrifugal force, a substantially axial bearing on said support projecting between the adjacent end portions of said weights, and a spring biased member reciprocable in said bearing and normally movable inwardly under spring pressure but adapted to be moved outwardly by said weights, said member having a cross-portion for engagement by the weights, said weights each having a shoulder portion for engagement with the back of the cross-portion, whereby said member is adapted to be operated by movement of said weights against the spring pressure to control the operation of the first mentioned mechanism, said cross-portion being arranged so that the front face thereof is engageable with the end of the bearing to limit outward movement of said weights.

2,276,468

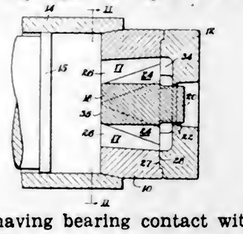
EXTRUSION DIE

Richard Couchman, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1940, Serial No. 366,254

8 Claims. (Cl. 207—17)

1. In a porthole extrusion die structure, a front die member and a back die member, said front die being provided with a bore therethrough which is larger in the plane of its rear face than in the plane of its front face, and a mandrel member inserted within said bore from the rear face of said front die, said mandrel being supported upon a surface of said



bore and having bearing contact with the back die member.

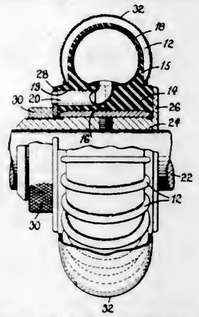
2,276,469

FINISHING WHEEL

Roy W. Cummings, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 27, 1939, Serial No. 270,371

6 Claims. (Cl. 51—192)



1. A finishing wheel comprising an inflatable pad having spaced ribs extending part way across its periphery and arranged to produce a bumping effect on a work piece.

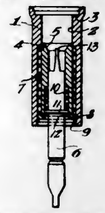
2,276,470

SELF-HOLDING SCREW DRIVER

Emil A. Dodelin, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1939, Serial No. 282,270

2 Claims. (Cl. 145—51)



1. A tool of the character described comprising a barrel having an axial opening adapted to receive a screw and a washer for said screw, a shoulder in the inner wall of said barrel adjacent the open end thereof and upon which said washer may be seated, a hollow cylinder mounted for axial movement within said barrel and having a recess within which said screw is received with its shank within the opening in said washer, a screw driver mounted for rotatable and axial movement within said cylinder, and means responsive to axial movement of said screw driver for moving said cylinder in the direction of said washer.
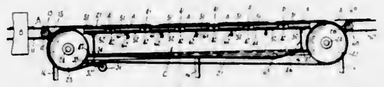
2,276,471

METHOD OF CONVEYING AND TREATING METALLIC SHEETS

Felix Eberhart, Arlington, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application October 20, 1939, Serial No. 300,477

2 Claims. (Cl. 62—170)



1. The method of cooling flexible metallic sheets having exposed heat treated surfaces, which consists in supporting the sheets while moving the same in processional order in a predetermined path of travel through a magnetic field, subjecting said sheets in such field to a magnetic pull exerted in a direction normal to the plane of each sheet to draw and hold the same firmly and intimately against one side of the supporting means, and projecting a cooling medium against the opposite side of said supporting means while the heated sheets are intimately and magnetically held thereagainst by said magnetic pull, whereby to effect efficient heat transfer by conduction from said sheets to said cooled supporting means.

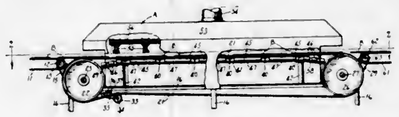
2,276,472

METHOD OF CONVEYING METALLIC SHEETS

Felix Eberhart, Arlington, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application October 20, 1939, Serial No. 300,478

2 Claims. (Cl. 34—23)



1. A method of handling flexible metallic sheets having treated surfaces, which consists in supporting the sheets by means of their treated surfaces while moving the sheets in processional order in a predetermined path of travel through a magnetic field of varying intensity including an entrance zone, a holding zone and an exit zone, subjecting a said moving sheet in such field to a magnetic pull exerted in a direction normal to the plane of said sheet to draw and hold the same firmly and intimately against the supporting medium, progressively increasing the intensity of said magnetic pull as the sheet moves through said entrance zone to prevent jumping of the sheet relative to the supporting medium, maintaining said magnetic pull substantially constant while the sheet is moving through said holding zone, and progressively decreasing the magnetic pull exerted on said sheet as the latter is moved through said exit zone, whereby scratching of the treated surface of the sheet due to shifting of the same relative to the supporting medium is prevented during subjection of the sheet to the described magnetic pull of varying intensity in said magnetic field.

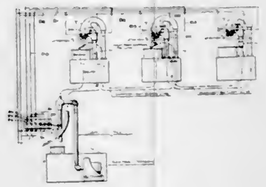
2,276,473

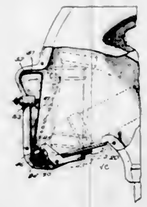
PNEUMATIC DISPATCH SYSTEM

Alvin L. Esselburn and Edward J. Connolly, Syracuse, N. Y., assignors to Lamson Corporation, Syracuse, N. Y., a corporation of New York

Application October 3, 1940, Serial No. 359,608

20 Claims. (Cl. 243—23)





1. Mechanism for controlling from a central station the destination of carriers to any one of a plurality of receiving terminals connected in a single dispatch tube line, each terminal having a carrier discharge opening and a valve normally closing the same and arranged to be impacted by carriers in transit comprising, in combination, means operatively related to each terminal for rendering its valve effective to by-pass carriers through the terminal, and selectively operable means for rendering ineffective any one of said last-named means, thereby to permit discharge of a carrier from any one terminal.

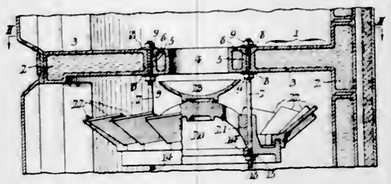
2,276,474

HEATER CONSTRUCTION

George Faulds, Philadelphia, Pa.

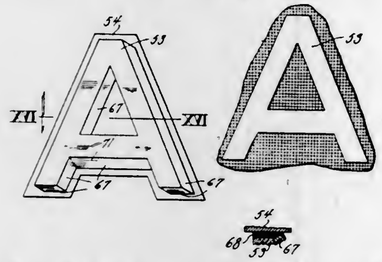
Application January 25, 1939, Serial No. 252,738

1 Claim. (Cl. 122—218)



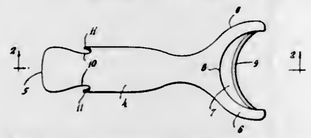
A component section for domestic heaters comprising a hollow annular portion, a transverse communicating planar section intermediate the upper and lower ends thereof, a draft orifice through said section, and apertured means integral with the walls of the planar section; in combination with a heavy heat retainer-and-diffuser unit having borings therethrough for alignment with the heater component planar section apertured means, and suspension means engageable through the said unit borings and component section apertured means for central support of the former pendently by the latter.

2,276,475
SPECIALLY REFLECTIVE CHARACTER POSITIONING
Harry J. Feist and Raymond J. Feist, Fremont, Ohio, assignors to Consolidated Outdoor Display Company, Fremont, Ohio, a corporation of Ohio
Application November 21, 1939, Serial No. 305,448
2 Claims. (Cl. 40—141)



1. A raised sign letter presenting two reflecting surfaces, one surface forming the top surface and parallel to the support of the letter and having the outline of the body of the letter, the other surface being at an angle to the first-named surface and forming the margin thereof, both surfaces combined having the appearance of a perspective view of the raised letter.

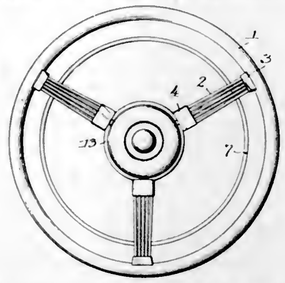
2,276,476
DEVICE FOR SEVERING SEALS FOR RECEPTACLE CLOSURES
Frederick S. Folger, New York, N. Y.
Application July 8, 1939, Serial No. 283,442
2 Claims. (Cl. 30—2)



1. A device for severing sealing caps for closures on bottle necks, comprising a sheet metal member formed with a hand grip of channel shape in cross section and arranged at one end with an arcuate portion the legs of which are arranged of channel shape in cross section with the inner channel wall extending through an arc of 180 degrees transversely of the end of the hand grip, and said inner channel wall flanged laterally to extend in a horizontal plane below the plane of the connecting portion of the channel and arranged with an arcuate cutting edge extending between and disposed within the ends of the legs of the arcuate channel portion.

2,276,477
STEERING WHEEL
Harry F. George, Chicago, Ill.
Application February 2, 1938, Serial No. 188,212
15 Claims. (Cl. 74—484)

1. In a steering wheel, a hub, a plurality of sets of spokes, each set of spokes comprising a plurality of individual spring wire rods each having an angularly bent outer end, a hollow tubular rim having a plurality of sets of apertures adapted to receive said bent ends, some of said bent ends being turned in said apertures in a direction opposite to the direction of the remainder of said bent ends, said hub comprising a pair of spaced hub shells, the inner ends of each of said spokes being angularly bent in the same direction and

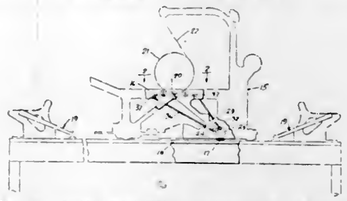


clamped between the adjacent faces of said hub shells.

2,276,478
FLEXIBLE LAMINATED FILM
Donald L. Gibb and William R. Collings, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 20, 1937, Serial No. 175,702
2 Claims. (Cl. 154—43)

1. As a unitary flexible article of manufacture, a film consisting of at least one lamina consisting of ethyl cellulose and at least one lamina consisting of polystyrene, successive laminae consisting alternately of the ethyl cellulose and of the polystyrene.

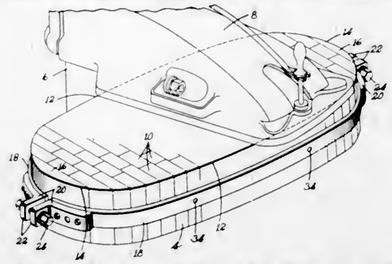
2,276,479
CLOTH FEEDING DEVICE FOR UNWINDING AND LAYING UP MACHINES
Herman Walter Gilbert, Kew Gardens, N. Y.
Application April 29, 1941, Serial No. 390,901
6 Claims. (Cl. 270—31)



1. In a cloth handling machine of the class described having a plurality of rollers rotatively mounted and arranged in an arcuate formation to support a roll of cloth, a prime mover, a transmission system from said prime mover to said rollers for turning said rollers simultaneously in one direction, and an endless member engaged over said rollers for assisting in supporting said roll of cloth.

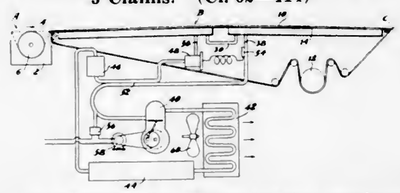
2,276,480
CUTTING DEVICE
Harvey L. Glidden, Lexington, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 8, 1940, Serial No. 322,998
3 Claims. (Cl. 164—23)

1. A clicking machine having a vertically reciprocating post and a presser arm secured to the post for movement vertically therewith and for movement about the axis of the post, in combination with a cutting block having a horizontally disposed cutting surface lying entirely within the area covered by the arm in its traverse,



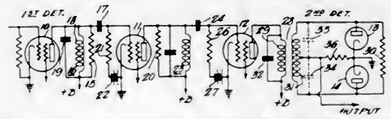
the forward edge portion of which is curved along the path of movement of the outer end of the arm.

2,276,481
CANDY COATING
Don Swint Greer, Winchester, Mass., assignor to J. W. Greer Company, Cambridge, Mass., a corporation of Massachusetts
Application June 19, 1940, Serial No. 341,343
3 Claims. (Cl. 62—114)



1. In apparatus for bottom coating candy centers having a tank for liquid coating material, an open mesh conveyor having a traverse across said tank and coating means for transferring coating material from said tank to bottoms of candy centers carried by said conveyor, in combination, a plate, a continuous surface conveyor for receiving bottom coated centers from said mesh conveyor, and having a traverse across said plate in continuous surface contact therewith, refrigerating tubes disposed in close proximity to the opposite surface of said plate, means disposed remote from said plate including a compressor and a condenser for compressing and liquefying a refrigerant, conduit means connecting said condenser and said tubes, and means for controlling flow of compressed refrigerant from said condenser into said tubes in response to variation of pressure in said tubes, whereby expansion and vaporization of said refrigerant takes place in said tubes to absorb heat from said plate, thereby cooling said coated centers.

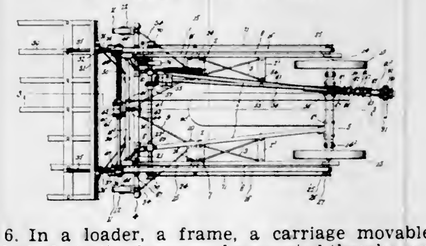
2,276,482
WIDE BAND AMPLIFIER
Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1939, Serial No. 276,072
4 Claims. (Cl. 250—20)



1. In combination, an amplifier of the single-

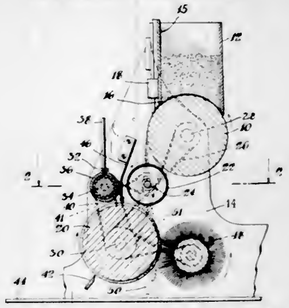
ended type including at least two tuned circuits whereby it includes a pair of circuits, a translating stage of the balanced input type connected in cascade therewith and comprising a pair of coupled tuned circuits, one of said pairs of tuned circuits being adjusted to produce a selectivity curve comprising two widely spaced peaks, and the other of said pairs of tuned circuits being adjusted to produce a comparatively wide single-peaked response curve which is located between said two peaks, all of said tuned circuits being so adjusted that said selectivity curves combine to produce an overall selectivity curve which is substantially flat topped.

2,276,483
LOADER-STACKER
Le Roy W. Hahn, Algona, Iowa
Application July 23, 1940, Serial No. 347,003
12 Claims. (Cl. 214—139)



6. In a loader, a frame, a carriage movable relatively to the frame and supported thereby, an implement carried upon an outer end portion of said carriage, pivot means at the other end portion of said carriage slidably associated with said frame to permit longitudinal and simultaneous swinging movement of said carriage with respect to the frame, curved lifting tracks carried by said frame, secondary pivot means carried by an intermediate portion of said carriage and engaged with said curved lifting tracks, and means connected to said carriage for moving the same longitudinally of the frame and causing said secondary pivot means to climb said curved lifting tracks.

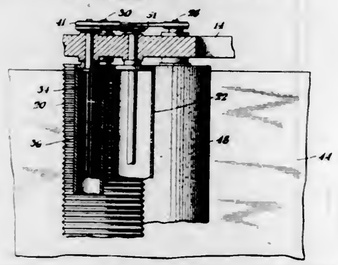
2,276,484
COATING AND FEEDING APPARATUS
Norman P. Harshberger, Scarsdale, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Application April 29, 1939, Serial No. 270,729
10 Claims. (Cl. 91—44)



1. Coating apparatus comprising means to receive a supply of coating stock, a surface, means to move said surface, means to coat said moving

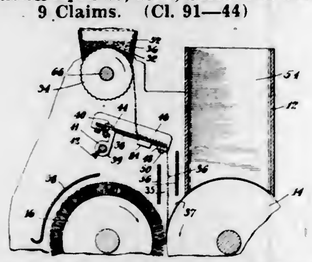
surface with a wetting substance, means to feed coating stock from said supply means to said coated moving surface, and means engaging said moving surface to impel said wetting substance and coating stock to a receiving surface.

2,276,485
COATING METHOD
Norman P. Harshberger, Old Greenwich, Conn., assignor to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Original application April 29, 1939, Serial No. 270,729. Divided and this application May 27, 1941, Serial No. 395,373
16 Claims. (Cl. 91—68)



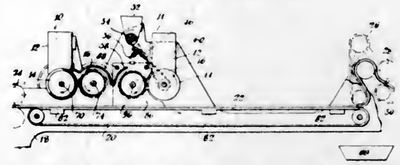
13. The method of treating particulate material and coating base material therewith, comprising feeding a layer of wetting agent to a distributing position, feeding substantially dry particulate material and sifting said particulate material upon said layer of wetting agent in advance of said distributing position, coating the pieces of particulate material with the wetting agent of said layer and impelling the coated pieces upon a base material moving with respect thereto to form a surfacing thereon.

2,276,486
COATING APPARATUS
Norman P. Harshberger, Scarsdale, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Application April 29, 1939, Serial No. 270,730
9 Claims. (Cl. 91—44)



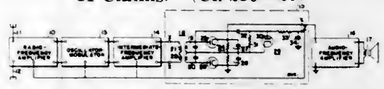
1. Coating apparatus comprising means to receive a supply of coating material, means to withdraw a predetermined quantity of coating material from said coating supply means, a rotary bristle distributor to remove coating from said withdrawing means and discharge the same upon a receiving surface, a second means to receive a supply of particulate material, and means to feed said particulate material from such supply receiving means to said coating on the withdrawal means, and to a position in advance of removal of said coating by said distributor.

2,276,487
COATING METHOD
Norman P. Harshberger, Old Greenwich, Conn., assignor to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Original application April 29, 1939, Serial No. 270,730. Divided and this application May 27, 1941, Serial No. 395,372
14 Claims. (Cl. 91—68)



13. The method of treating granular material with coating and bonding to a base, comprising forming a layer of plastic cementitious material, surfacing said cementitious layer with a multiplicity of solid granular pieces, beating continuous increments of said composite layer to commingle said cement and granular material and coat said granular material with said cement, and, before said cement has set, projecting said coated granular material upon a base having relative motion with respect thereto whereby to bond said granular material to said base.

2,276,488
FREQUENCY DETECTOR AND CONTROL VOLTAGE SUPPLY
Lloyd M. Hershey, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application November 13, 1940, Serial No. 365,442
11 Claims. (Cl. 250—20)

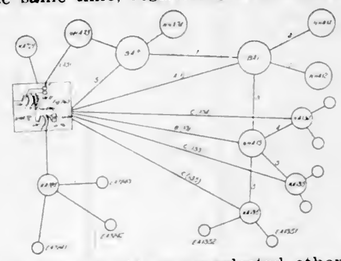


7. A carrier-signal control-voltage supply comprising, a frequency-selective network including two sections having predetermined frequency-response characteristics of the same type but sloping in opposite senses with frequency over a predetermined range of frequency deviation of a carrier signal applied thereto, a pair of rectifier devices individually coupled to said sections, and means including a load impedance common to said rectifier devices for developing across said impedance by rectification of said applied carrier signal a unidirectional control voltage having an amplitude minimum at the mid-frequency and amplitude maxima near the end frequencies of said range of frequency deviation.

2,276,489
TELEPHONE SYSTEM
Reinhold Hoefert, Berlin-Gatow, and Konstantin Schröder, Berlin-Staaken, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 13, 1940, Serial No. 340,294
In Germany May 16, 1939
4 Claims. (Cl. 179—18)

1. In a telephone system, a multi-exchange network, two groups of connecting devices in one of said exchanges, numerical switching apparatus in said one exchange operable to select either of

said groups of devices at will and effective thereupon to seize one of the devices in the selected group, a code repeater common to all of said devices and having a plurality of contacts each corresponding to a different one of said devices, means operated upon the seizure of said device by said apparatus to mark the one of said contacts corresponding to the seized device, means in said repeater controlled by the marked contact for determining the one of said devices seized and, at the same time, registering a code depending



upon the one of said groups selected, other means in said repeater operated variably to register a code indicative of any other exchange in said network, a direct and an indirect route over which connections may be established between said one exchange and said other exchange, both of said routes accessible to the seized connecting device, said repeater controlled by said registered codes to select one of said routes and to control the extension of a connection thereover from the seized connecting device to said other exchange.

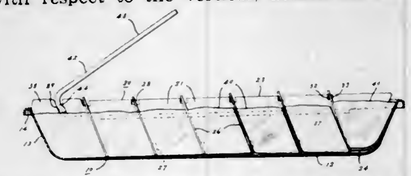
2,276,490
PRICE CARD HOLDER
Charles F. Hoofer, Chicago, Ill.
Application July 15, 1940, Serial No. 345,685
8 Claims. (Cl. 40—23)



1. A price card holder comprising, a clip for supporting the card in a displaying position, said clip comprising a plate bent to provide a standard for the card and an abutment, a spring wire bent to provide a bight and a pair of resilient fingers, said bight being pivotally connected with said plate, the standard being provided with openings, and said fingers extending loosely through said openings and coacting with said abutment for frictional connection with a support.

2,276,491
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1940, Serial No. 342,755
3 Claims. (Cl. 62—108.5)

1. A unitary removable grid for an ice tray comprising, a longitudinal partition composed of a lower part and an upper part disposed in substantially the same vertical plane and movable lengthwise relative to one another, a plurality of spaced apart partitions extending transversely to said longitudinal partition and having connections with each of said parts thereof to form the sole means for securing said partitions together, the connections of said transverse partitions with said parts of said longitudinal partition being so constructed and arranged as to maintain said upper part of said longitudinal partition in a normal predetermined position relative to said lower part thereof and to maintain said transverse partitions in a normal inclined position with respect to the vertical, detachable means

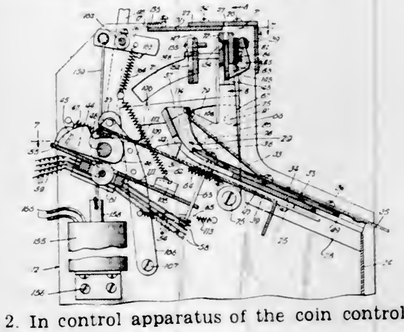


adapted to engage and apply force between said parts of said longitudinal partition for moving one of said parts lengthwise relative to the other part thereof to cause tilting of said transverse partitions toward the vertical, and the connections of said transverse partitions with said parts of said longitudinal partition also being constructed and arranged to limit the relative lengthwise movement of said parts and prevent some of said transverse partitions from being tilted into the vertical whereby said transverse partitions and said one part of said longitudinal partition will return by gravity to their respective normal positions when said means is detached from said grid.

2,276,492
EXTREME PRESSURE LUBRICANT
Samuel Edward Jolly and John Harold Perrine, Prospect Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application February 16, 1940. Serial No. 319,240
5 Claims. (Cl. 252—58)

1. An extreme pressure lubricant comprising lubricating oil containing a minor percentage of amyl benzene dichlor phosphine.

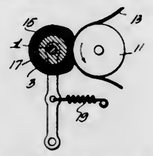
2,276,493
CONTROL APPARATUS
Allen T. Joze, Chicago, Ill., assignor to James E. Johnson, Chicago, Ill.
Application November 19, 1937, Serial No. 175,362
9 Claims. (Cl. 194—9)



2. In control apparatus of the coin controlled

type, a chute having a coin receiving opening, pivotally mounted coin receiving and carrier means normally offset from said chute opening, said carrier means comprising a pair of coin engageable separable assemblies, means for swinging said assemblies in unison to coin depositing position with respect to said chute opening, and means for separating said assemblies to release a coin therein for deposition in said chute.

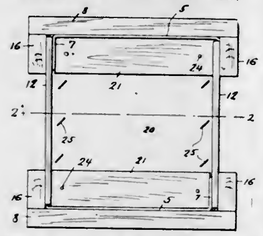
2,276,494
WEB FEEDING APPARATUS
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1939, Serial No. 302,261
8 Claims. (Cl. 271—2.3)



1. A pressure roller for web feeding apparatus comprising a relatively soft, resilient, cylindrical member, and a layer of flexible, substantially inextensible material covering the outer portion of said member.

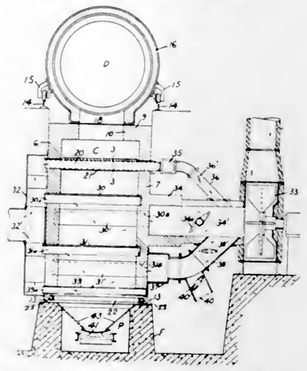
7. In a web feeding apparatus, the combination of an arcuate web support, a web passing around said support, a soft rubber roller for maintaining contact between said web and said support, and means for causing the surface of said roller to bend as distinguished from being stretched when said roller is brought into engagement with said web to hold said web against said support.

2,276,495
BOX
Kenneth E. Kenfield, Bemidji, Minn.
Application August 14, 1940, Serial No. 352,619
2 Claims. (Cl. 229—23)



1. In a box, a pair of permanently right angled wall forming sections each providing a rectangular side and end wall, respectively, and said sections fitting together in edge to edge relation to form a body structure, and a pair of duplicate top and bottom forming sections, respectively, each including a rectangular closure panel, a pair of side cleats on one face of the panel at opposite side edges thereof fitting into said structure, and a pair of end cleats on the other face thereof extending along opposite end edges of the panel with terminals extending beyond the side edges of said panel, and a pair of upper and lower cleats extending along the upper and lower edges of each side wall, said terminal ends being nailed to said upper and lower cleats, said end walls being provided with upper and lower edge nailing strips overlapping the side cleats of the closure panels and being nailed thereto, said strips forming edge extensions of said end walls flush on one side with the outer faces of said walls and overlapping the inner faces of said walls, said strips being of harder material than said end walls.

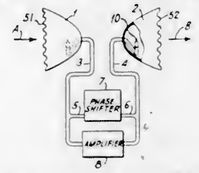
2,276,496
MEANS FOR COOLING MATERIAL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application January 7, 1939, Serial No. 249,689
8 Claims. (Cl. 34—170)



1. In means for cooling heat treated material, a casing having an inlet opening in the top for delivering the heated material therethrough into the casing delivered from a kiln and having a grate bottom adapted to support a bed of the material in the casing, a series of tubes spaced from the top and extending in a laterally spaced horizontally row transversely of the casing adapted for the passage of a cooling medium therethrough and over which the material delivered through the inlet opening is adapted to gravitate to effect transference of the heat of said material to the cooling medium passing through the tubes, horizontal rows of inverted laterally spaced channel members of angle form in cross section forming passages extending transversely of the casing, certain of said rows of channel members opening through a side wall of the casing and the channel members of the rows alternating therewith opening through the opposite side wall of the casing, and a fan connected to one end of the tubes and the channel members opening through one wall of the casing to induce the flow of a cooling medium through the tubes and into the casing through the channel members opening through the other wall of the casing and in heat transfer relation to the material through the voids in the bed of material in the casing.

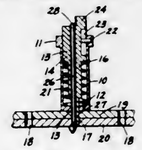
2,276,497
ULTRA HIGH FREQUENCY ANTENNA FEEDBACK BALANCER
Fred H. Kroger, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1939, Serial No. 253,723
13 Claims. (Cl. 250—15)

1. A high frequency relay system comprising a receiving antenna, a reflector for concentrating received signals on said antenna, an amplifier having an input and an output, a first transmission line having an outer sheath and an inner conductor connecting said receiving antenna to said input, a transmitting antenna, a reflector for concentrating energy radiated from said transmission line into a beam, a second transmission line having an outer sheath and an inner conductor connecting the output of said amplifier to said transmitting antenna, an auxiliary electrode within each of said transmission lines



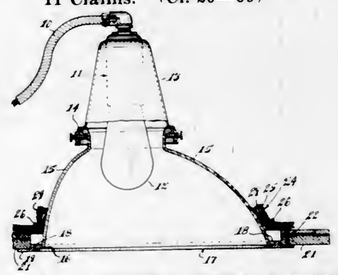
in adjustable relationship to said inner conductors and an auxiliary transmission line connecting said auxiliary electrodes, means for adjusting the length of said auxiliary transmission line whereby a small amount of energy of predetermined phase and amplitude is introduced into said first transmission line from said second transmission line.

2,276,498
FASTENER
Earl B. Lear, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 7, 1939, Serial No. 303,271
10 Claims. (Cl. 85—5)



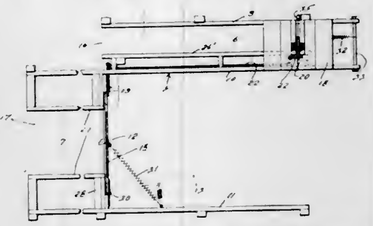
1. A fastener for temporarily holding together at least two perforated sheets in superposed position, including a rod, a rotatable stem extending through said rod against longitudinal movement relative thereto, an integral enlarged eccentrically disposed tip at the lower end of said stem below one end portion of said rod, said tip upon the rotation of said stem being movable into or out of the peripheral limit of said one end portion of said rod, a member including a wall extending transversely from said rod and slidable with respect thereto substantially up to the junction of said tip with said stem and a compression spring active on said member for constantly urging said wall toward said tip.

2,276,499
DUST PROTECTION MEANS
George Loeding, Chicago, Ill.
Application February 16, 1940, Serial No. 319,307
11 Claims. (Cl. 20—69)



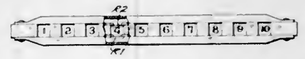
2. In a dust protection means, a guard for lighting fixtures such as ceiling lamps and reflectors of show windows and the like, consisting of a flexible flat strip of matted fire-proof material adapted to be bent and laid in the space between the ceiling and reflector of the lighting fixture and around the latter to prevent the downward passage of dust from above the ceiling and through the space between the same and the reflector of the lighting fixture and around the reflector.

2,276,500
STARTING DEVICE
Henry O. Maddox, Luling, Tex.
Application December 6, 1940, Serial No. 368,946
2 Claims. (Cl. 119—15.5)



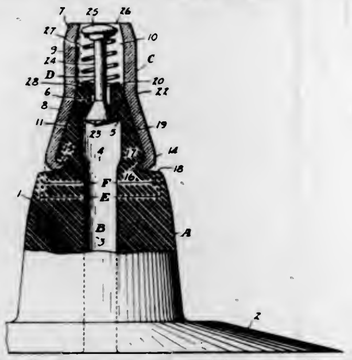
1. In a starting device for roping contests, a pair of stalls, one stall being arranged in advance of the other and to one side of said other stall, each stall having an exit opening in its front end, the advance stall being adapted to receive the animal to be roped and the rear stall the horse and roper, self opening gates for said exits, an elevated platform on the first stall adjacent the front end thereof for a starter, latch means for each gate and means for releasing the latch means simultaneously from the platform, or for releasing one latch means without releasing the other, said means including a horizontally arranged rod connected to a side of the first stall having its rear end bent and pivoted to the latch means of the rear stall, the front end of the rod being bent, a vertically extending rod at the front end of the first stall having its lower end pivoted to the front bent end of the first rod with its upper end passing through the platform and terminating in a horizontal portion and the latch of the first stall having a horizontal part passing over the horizontal part of the upper end of the vertical rod for depressing the vertical rod when the horizontal part of the latch means of the first pen is depressed to open the gate of the first stall, the horizontal part of the vertical rod acting as a handle for moving the rod downwardly to release the latch means of the gate of the rear stall.

2,276,501
HARMONICA
Ettore F. Manieri, Philadelphia, Pa.
Application February 28, 1941, Serial No. 381,172
2 Claims. (Cl. 84—377)



1. A harmonica consisting of an elongated body portion having a plurality of aligned holes, a draw reed and blow reed in each hole, the said blow reeds being arranged in said aligned holes in a diatonic scale, and the said draw reeds being arranged in a second diatonic scale one-half tone higher than the respective blow reeds.

2,276,502
INFLATION VALVE
William C. McCoy, Shaker Heights, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 5, 1939, Serial No. 271,840
6 Claims. (Cl. 277—42)

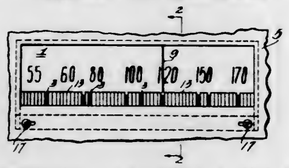


6. A valve structure comprising a resilient and deformable body of elongated character, said body being laterally substantially unsupported to permit bending thereof and having a longitudinally extending passage therethrough including a portion of increased cross sectional area spaced from the ends of the passage, a valve seat integral with the body at one end of said passage portion, a valve body in the passage, a stem having connection with the valve body and extending through the passage beyond one extreme end of the deformable body, resilient means bearing against said extreme end and having connection with the stem to draw the valve body against the seat, and a tubular sleeve embracing a portion only of the deformable body and extending beyond said extreme end to enclose the resilient means, said passage portion of increased area being disposed wholly within the embraced portion of the body.

2,276,503
IODIZED CALCIUM CARBONATE
Brack B. McHan, Quincy, Ill., assignor to Calcium Carbonate Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 6, 1935, Serial No. 48,601
9 Claims. (Cl. 99—2)

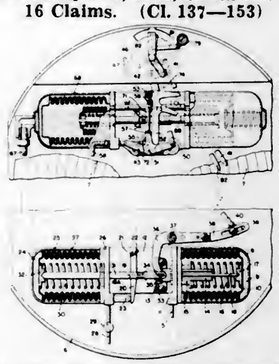
9. A composition of matter comprising a mass of discrete particles of calcium carbonate, said particles carrying a stabilized iodide of an alkali metal.

2,276,504
INDICATOR
Hans Mendelson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 2, 1941, Serial No. 372,847
7 Claims. (Cl. 116—124.1)



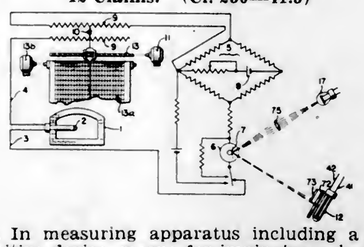
1. An indicator comprising a dial having a marginal edge, a pointer for said dial, a mask of different color for said marginal edge, and means for removing selected discrete portions of said mask whereby the unmasked portions of said marginal edge constitute indicia for indicating the position of the pointer required to achieve a desired dial setting.

2,276,505
PRESSURE CONTROLLER
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1938, Serial No. 201,102
16 Claims. (Cl. 137—153)



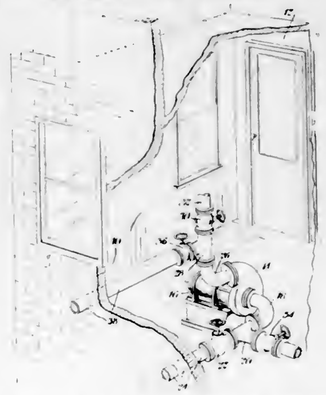
1. In a pressure regulator, the combination with a first chamber adapted to be subjected to various pressures, a wall therefor movable in response to changes in pressure in the chamber, a second chamber in non-communicating relation with said first chamber and having a bleed nozzle therein, a source of fluid under constant pressure supplied to said second chamber and escaping through said nozzle, a flexible wall for said second chamber movable in response to pressure changes therein, means responsive to movement of the wall of said first chamber due to changes in pressure in said first chamber to throttle the flow through said bleed nozzle and thereby alter the pressure in said second chamber to adjust its movable wall, and means actuated by movement of the movable wall of said second chamber to adjust the wall of said first chamber and thereby readjust said throttling means.

2,276,506
MEASURING AND CONTROL APPARATUS
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 3, 1940, Serial No. 312,304
12 Claims. (Cl. 250—41.5)



1. In measuring apparatus including a light sensitive device, means for impinging a beam of light on said light sensitive device, means for producing deflections of said light beam from a predetermined normal position in accordance with variations from a predetermined value in a condition to be measured, a movable shield interposed between said impinging means and said light sensitive device, and means under control of said light sensitive device to control said second mentioned means to reduce the deflections of said beam from said normal position, the combination with said control means of means actuated simultaneously with said control means to rapidly move said shield relatively to said light sensitive device to temporarily reduce the effect of deflections of said light beam from said predetermined, normal position, and means actuated simultaneously with said control means to slowly move said shield in the same direction.

2,276,507
METHOD OF WATERPROOFING MASONRY STRUCTURES
Perry M. Moore, Bloomfield, N. J.
Application February 28, 1938, Serial No. 193,066
3 Claims. (Cl. 72—127)



1. A method of waterproofing a masonry wall of an exposed hollow structure or building comprising sealing the building, or a room or a section of the room of the building, having an exposed wall, maintaining a partial vacuum within the structure or the inside of the exposed wall of the room or section of the room, applying a low viscosity waterproofing liquid to the exposed side of the masonry wall while the vacuum pressure is maintained on the inside of the wall and continuing the maintenance of the vacuum and the application of the waterproofing liquid until the liquid has penetrated into the pores, cracks and fissures of the wall.

2,276,508
METHOD FOR THE SEPARATION OF OPTICALLY ACTIVE α-METHYLPHENETHYLAMINE
Fred P. Nabenhauer, Somerton, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 3, 1939, Serial No. 302,713
9 Claims. (Cl. 260—570.8)

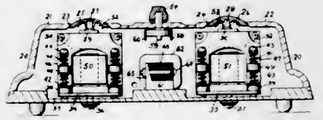
1. The steps in the method for the separation of l-α-methylphenethylamine from material composed of d- and l-α-methylphenethylamine, which comprise reacting the material with d-tartaric acid in proportion to produce a mixture of neutral d- and l-α-methylphenethylamine d-tartrates and separating l-α-methylphenethylamine d-tartrate by crystallization.

7. The steps in the method for the separation of l-α-methylphenethylamine from a material composed of d- and l-α-methylphenethylamine, which comprise reacting the mixture with d-tartaric acid in proportion to produce a mixture of d- and l-α-methylphenethylamine d-bitartrates, separating d-α-methylphenethylamine d-bitartrate from the mixture by crystallization, neutralizing the mother liquor for the formation of neutral l-α-methylphenethylamine d-tartrate and separating l-α-methylphenethylamine d-tartrate by crystallization.

2,276,509
METHOD FOR THE SEPARATION OF OPTICALLY ACTIVE α-METHYLPHENETHYLAMINE
Fred P. Nabenhauer, Somerton, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application November 3, 1939, Serial No. 302,713. Divided and this application April 23, 1941, Serial No. 389,886
6 Claims. (Cl. 260—570.8)

1. The steps in the method for the separation of the optically active isomers of d- and l-α-methylphenethylamine from a material composed of d- and l-α-methylphenethylamine, which comprises reacting the mixture with d-tartaric acid in proportion to produce a mixture of neutral d- and l-α-methylphenethylamine d-tartrates, separating l-α-methylphenethylamine d-tartrate from the mixture by crystallization, adding d-tartaric acid to the mother liquor to produce d-bitartrate and separating d-α-methylphenethylamine d-bitartrate by crystallization.

2,276,510
VIBRATORY APPLIANCE FOR THE FEET
Frank H. Newton, Los Angeles, Calif.
Application May 26, 1939, Serial No. 276,003
3 Claims. (Cl. 128—41)

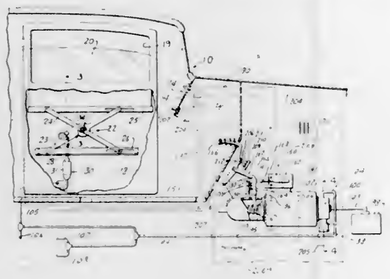


3. In an appliance of the character described, a casing having an opening, a base within said casing, an electromagnet disposed centrally on said base, rods rising from said base at opposite sides of said electromagnet, angled supports slidably engaged with said rods, opposed springs on said rods above and below the engaged portions of said supports, an armature secured between other portions of said supports and overlying said electromagnet, one of said supports having an angled part overlying said armature, a member rising from said angled part, and a vibrator applicator detachably mounted on said member and operable therewith through said casing opening.

2,276,511
WINDOW REGULATOR
John B. Parsons, Toledo, Ohio
Application April 25, 1939, Serial No. 270,014
11 Claims. (Cl. 296—44)

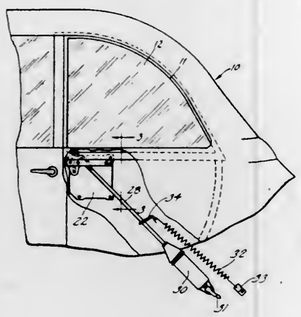
1. The combination with a vehicle having an engine, a motor normally operable to crank the engine, a window in the vehicle, and operating

linkage for controlling the window, of a fluid pump associated with said motor, power means coupled to said pump for moving said linkage, means including manual means for energizing said motor to crank the engine and drive said



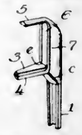
pump, a solenoid for operatively connecting said motor to drive said pump independently of said manual means, and means associated with said pump to reduce the load imposed on said motor by said pump when said motor is cranking the engine.

2,276,512
REAR QUARTER WINDOW OPERATOR
John B. Parsons, Toledo, Ohio
Application February 28, 1941, Serial No. 381,109
7 Claims. (Cl. 268—126)



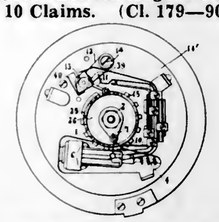
1. Vehicle window regulator mechanism for a window adapted to rock to cover and uncover a window opening, said mechanism comprising a bracket secured to the lower edge portion of the window, an upwardly extending portion on said bracket, a stationary mounting plate provided with an arcuate guide terminating at its upper end in an approximately vertical guide, actuating means including a member carried by said upwardly extending bracket portion and engaging in said guide for movements defined thereby, a downwardly extending portion on said bracket in opposed relation to said upwardly extending portion, a vertically elongate slot in said downwardly extending portion substantially in alignment with said vertical guide, and a stud projecting from said mounting plate into said vertical slot, thereby to enable rocking movements of the window in a path defined by said arcuate guide about said stud as a pivot and to enable vertical movements in a path defined by said vertical guide and slot.

2,276,513
CLIP FOR MECHANICAL PENCILS, FOUNTAIN PENS, AND THE LIKE
Erik Petau, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application July 30, 1940, Serial No. 348,418
12 Claims. (Cl. 24—11)



9. A clip for a mechanical pencil, fountain pen and the like, comprising a resilient arm having a ball at one end and a head at the other, and three prongs on said head, one of said prongs being of curved cross section transversely of its length, the other two prongs being in contact with each other and positioned at the opposite end of the head, one of the last mentioned two prongs being flat and the other being of curved cross section with its edges contacting the flat prong and distributing the clinching strain over a wide area, the flat prong being longer than the adjacent curved one so that said longer part may be crimped against the inner face of a hollow part of said pencil, pen and the like.

2,276,514
IMPULSE TRANSMITTING DEVICE
Charles Clarke Puckette, Coventry, England, assignor to The General Electric Company Limited, Coventry, England, a British company
Application August 14, 1939, Serial No. 289,949
In Great Britain August 27, 1938
10 Claims. (Cl. 179—90)

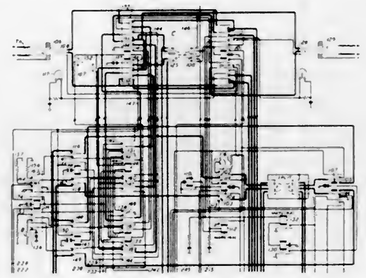


1. An impulse sender having a finger plate and a toothed impulse sending wheel connected thereto and rotated therewith, impulse producing contacts, a pivoted rocker arm, a rocking member pivoted on said rocker arm so that the pivoted end of the member has radial movement relative to said wheel, said member moved with its pivot point by forward rotation of said wheel without operating said contacts and moved about its pivot point by the return of the wheel to operate said contacts.

2,276,515
TELEPHONE SWITCHBOARD
Theodore D. Robb, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1939, Serial No. 311,738
4 Claims. (Cl. 179—51)

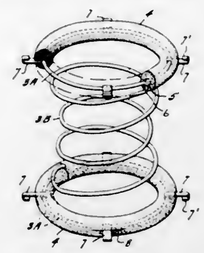
1. In a telephone switchboard, an operator's position, lines terminating thereat in jacks, a cord circuit thereat adapted to be connected to said jacks, an operator's telephone set comprising a receiver and a transmitter, a monitoring transformer and an operator's repeating coil, a monitoring key and a talk key, said receiver being

normally connected to one winding of said transformer and the other winding of said transformer being normally adapted to be connected to said cord upon the operation of the monitoring key, said transmitter being connected to the primary



winding of the repeating coil, and means responsive to the joint operation of said talk key and the connection of said cord to a jack to disconnect said receiver from the transformer winding and connect the secondary winding of the repeating coil to the receiver and cord.

2,276,516
CUSHION
Nancy Roy, Miami, Fla.
Application September 26, 1939, Serial No. 296,669
4 Claims. (Cl. 155—179)

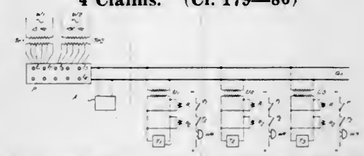


1. An auxiliary automobile cushion having a plurality of spiral springs composed of a spiral section and flat coils, the end coils comprising a loop to make the flat coil, the point of juncture of the loop with the spiral section forming an offset member in said spiral section, said end coils being encased in a resilient sheath, and the length of said offset member being equal to the radius of the resilient sheath whereby distortion of the resilient sheath is prevented.

2,276,517
TREATMENT OF TALL OIL
Ernst Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application December 16, 1939, Serial No. 309,704
8 Claims. (Cl. 260—97.5)

8. In a process of treating saponified tall oil of the type in which the unsaturated fatty portion has been saturated by hydrogenation, the step which comprises chilling a solution of such saponified hydrogenated tall oil in an organic solvent therefor to effect precipitation of fatty acid soaps.

2,276,518
TELEPHONE SYSTEM
Bernhard Seiffert, Berlin, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 31, 1940, Serial No. 337,997
In Germany May 2, 1939
4 Claims. (Cl. 179—86)

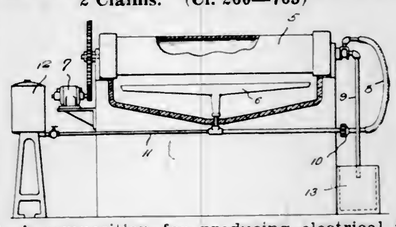


1. In a selective calling system, a line having a plurality of stations thereon, a plurality of sources of alternating current of different frequency, and means for connecting said sources to said line in different voltage combinations one for each station, and relays at each station responsive to said frequencies of current at a particular voltage.

2,276,519
ALKALI RESISTANT COATING
Joseph L. Sherk and Corliss F. Cummins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 26, 1939, Serial No. 275,948
6 Claims. (Cl. 260—14)

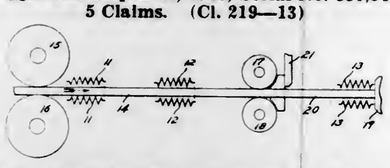
5. A coating composition containing as the sole film forming ingredients a cellulose ether soluble in organic solvents and from 20 to 60 per cent of its weight of a heat-hardenable, oil reactive phenol formaldehyde resin, characterized by ability to deposit a film which, when heat-hardened at temperatures between 90° and 150° C., is insoluble in organic solvents and has a melting point above 160° C. at least 35 centigrade degrees higher than that of the film before hardening.

2,276,520
PRODUCTION OF INSULATION AND RUBBER GOODS
Charles J. Stapelfeld, Torrance, Calif., assignor of seven-twentieths to Donald G. Bachtold, Long Beach, Calif., and six-twentieths to M. I. Church, Whittier, Calif.
Application February 27, 1940, Serial No. 321,095
2 Claims. (Cl. 260—765)



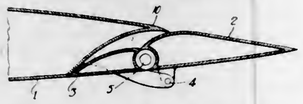
1. A composition for producing electrical insulation and/or rubber goods, including at least 15% and not more than 75% rubber, sulphur, zinc oxide, diphenylguanidine, and at least 15% and not more than 75% a filler consisting of the dark residue of distilled shale ground to a fine powder and composed of approximately 2% water, 20% oil, 5% carbon, 6.5% iron oxide, and 66.5% silica.

2,276,521
METHOD OF FORMING OR WORKING METAL ELEMENTS
Harold W. Stark, Detroit, Mich.
Application April 22, 1940, Serial No. 330,841
5 Claims. (Cl. 219—13)



5. In apparatus for heating rod stock to provide blanks for the subsequent formation of articles, a cutter across which the stock is movable step by step, a stop against which the end of the stock is moved at each step, a high frequency coil at the stop for heating the end of the stock for a distance from the stop toward the cutter and providing an unheated portion extending from the end of the coil to the cutter free from scale and unchanged in molecular structure.

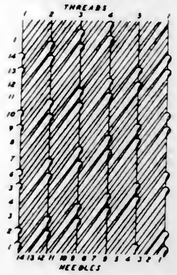
2,276,522
WING SYSTEM FOR AIRPLANES
Franz Staufer, Friedrichshafen-on-the-Bodensee, Germany, assignor to Dornier Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany, a corporation
Application July 6, 1939, Serial No. 282,994
In Germany July 23, 1938
12 Claims. (Cl. 244—42)



1. A wing system for aeroplanes comprising a main wing having a rear portion, a fulcrum member connected with said rear portion, a flap system swingably supported by said fulcrum member and adapted to be swung into high speed and into slow speed flying position, said flap system comprising a forward flap member and a rear flap member, a second fulcrum member connected with and swingably interconnecting said flap members, said forward flap member having a lower surface of such configuration as to form the continuation of the lower surface of said main wing when said flap system is in high speed flying position and having an upper surface forming, with the adjacent surface of said rear portion, a nozzle passage when said flap system is swung about said first mentioned fulcrum into slow speed flying position, said flap members having upper surfaces of such configuration as to form a substantially continuous surface when said flap system is swung about said first mentioned fulcrum into slow speed flying position and said flap members form an angle with one another about said second fulcrum.

2,276,523
KNITTED FABRIC
Clyde N. Stover, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1938, Serial No. 233,538
6 Claims. (Cl. 66—190)

1. A tubular knitted fabric comprising interknitted courses of loops, each loop crossing a float of an adjacent course, and the circumferential length of a loop being not integrally divisible into the circumference of the tubular



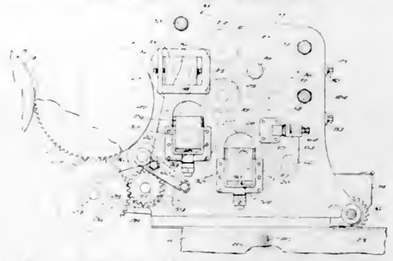
fabric, whereby all of the loops are interknitted into a single tube.

2,276,524
FISHING POLE
Ned Taylor, Georgiana, Ala.
Application July 6, 1939, Serial No. 283,083
1 Claim. (Cl. 43—18)



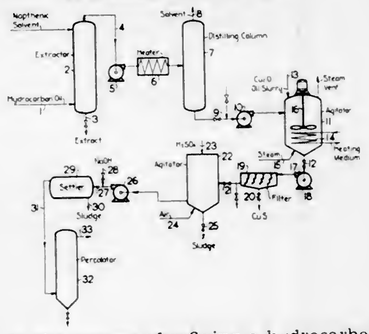
A telescopic fishing pole including a plurality of tapered telescopic sleeves, each sleeve having a ridge extending longitudinally thereof but stopping short of each end thereof and providing an internal groove, a latching slot adjacent the smaller end of each sleeve circumferentially extending from said ridge and a headed tit aligned with said longitudinal ridge adjacent the larger end, said headed tit being adapted to ride within said longitudinal groove to the position of said latching slot and then be circumferentially rotated into a latch engagement therewith, a base sleeve, a butt, means for attaching said base means to said butt, a line reel attached to said butt, said line reel having a line wound thereon and extending through the inside of said sleeves, means normally urging said line reel to wind up the line and brake means for holding said line reel in any position, whereby when said pole is telescoped together and said line reel brake released the line is automatically wound on said line reel.

2,276,525
APPARATUS FOR INKING PLATE CYLINDERS
Henry R. Trotter, Glencoe, Ill., assignor to R. R. Donnelley & Sons Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1940, Serial No. 322,798
3 Claims. (Cl. 101—350)



1. An apparatus for applying an ink film of uniform, predetermined thickness to a printing cylinder, comprising a form roller mounted to transfer an ink film therefrom to said printing cylinder, an ink supplying roller, a transfer roller operating at the same peripheral speed as the form roller and arranged to transfer from the supplying roller to the form roller sufficient ink, in excess of the amount suitable for printing purposes, to obliterate the effects on the form roller of previous contact of the printing cylinder therewith, means comprising a hard, smooth roller and a device arranged to continuously remove the accumulated ink therefrom for removing a portion of said excess ink and converting the remainder on the form roller into a smooth film of predetermined thickness greater than desirable for printing purposes, and means comprising a second hard, smooth roller and a device arranged to continuously remove the accumulated ink therefrom, for removing the remainder of said excess ink to thereby leave upon the surface of the form roller for application to the printing cylinder a smooth, evenly distributed ink film of uniform predetermined thickness suitable for printing purposes.

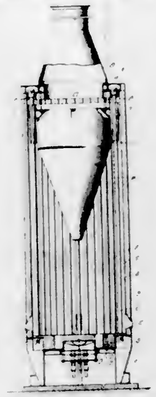
2,276,526
PROCESS FOR REFINING HYDROCARBON OILS
George Hugo von Fuchs, Wood River, and Hilbert Harry Zuidema, Edwardsville, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 3, 1939, Serial No. 265,650
10 Claims. (Cl. 196—30)



1. In the process of refining a hydrocarbon oil selected from the group consisting of lubricating and electrical oils free from asphalt containing harmful sulfur in the form of mercaptan sulfur, the steps comprising heating said oil in the liquid state at a temperature from about 400° F. to 700° F. with at least 1 mol cuprous oxide per mol of said mercaptans under non-oxidizing conditions to convert mercaptan sulfur to cuprous sulfide and substantially to prevent conversion of mercaptans to disulfides.

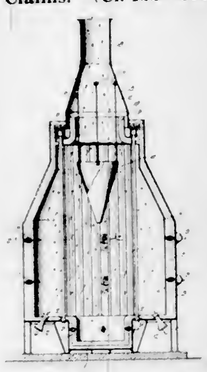
2,276,527
APPARATUS FOR HEATING FLUIDS
John W. Throckmorton, Wilton, and John S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y., a corporation of Delaware
Application March 24, 1941, Serial No. 384,892
5 Claims. (Cl. 122—333)

1. A furnace including in combination a combustion chamber having radiant and convection zones through which combustion gases pass, a plurality of heat exchange elements positioned in said combustion chamber and having a portion thereof in the radiant zone and a portion thereof in the convection zone, said portion in the radiant zone exposing a plane surface to the combustion gases and the portion in the convection sec-



tion exposing to the combustion gases a heat conducting extended surface bonded to the tubes to form an integral structure, the amount of extended surface increasing with decreasing combustion gas temperature passing thereover.

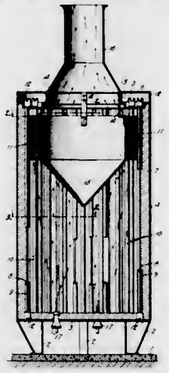
2,276,528
APPARATUS FOR HEATING FLUIDS
John W. Throckmorton, Wilton, and John S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y., a corporation of Delaware
Application May 2, 1941, Serial No. 391,522
2 Claims. (Cl. 122—356)



1. A furnace including in combination a combustion chamber of circular cross section, the upper portion simulating a truncated cone, a plurality of vertically disposed heat exchange elements positioned in said combustion chamber and substantially around the perimeter of a circle, means positioned within said combustion chamber within said space surrounded by said heat exchange elements and located in that portion of the combustion chamber simulating a truncated cone having the form of a cone with its apex depending, said cone and truncated portion of the combustion chamber adapted to progressively decrease the cross sectional area of the upper part of said combustion chamber, and

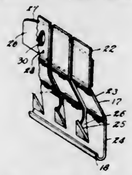
separate sources of combustion heating gases positioned inside and outside of the circle of heat exchange elements.

2,276,529
FURNACE CONSTRUCTION
John W. Throckmorton, Wilton, and John S. Wallis, Darien, Conn., assignors to Petro-Chem Development Company, New York, N. Y., a corporation of Delaware
Application July 9, 1941, Serial No. 401,594
5 Claims. (Cl. 122—356)



1. A furnace construction of the character described including an enclosing wall structure of insulating or refractory material substantially circular in cross section, a plurality of banks of vertical tubes arranged adjacent the inner wall surface in concentric circles, extended surface elements on the tube bank in close proximity to the wall supporting the insulating or refractory wall and exposing increased heat absorption surface, a source of combustion gas within the tube banks and an outlet flue in the top of the furnace.

2,276,530
TRIM STRIP
Maxwell C. Weaver, Cincinnati, Ohio, and Frank C. Skinner, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1940, Serial No. 335,806
7 Claims. (Cl. 296—135)

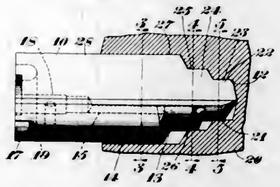


1. A strip of the class described, which comprises a length of metallic ribbon having opposed longitudinal edges, one of said edges being turned lengthwise upon itself to provide a bead having a free edge overhanging a portion of the strip, barbs struck from the material of the strip and having their bases located in the strip close to the bead but outside the limits of the latter, the barbs having points extending beyond the bead in the general direction of extension of the overhanging free edge thereof, and at an acute angle to the strip, a base portion formed along the edge of the strip opposite to the edge which carries the bead, said base portion being offset in a plane which overlies the major portion of all the barbs.

2,276,531
WATER-DISPERSIBLE VITAMIN COMPOSITION
Ralph Wechsler, Hillside, N. J., and Bernard A. Dombrow, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 18, 1938. Serial No. 214,590
10 Claims. (Cl. 167—81)

1. A homogeneous, readily water-dispersible vitamin composition comprising a fatty substance having a fat-soluble vitamin dissolved therein, a degraded glyceride, a water-soluble soap and a glycol derivative solvent vehicle, the degraded glyceride and soap having been formed in situ by the partial saponification of the aforementioned fatty substance.

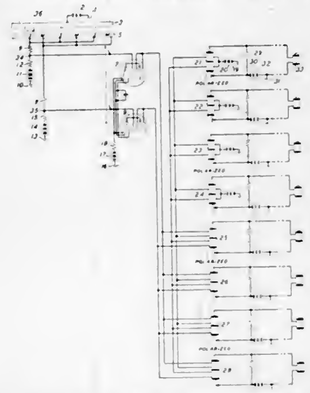
2,276,532
DRILL
Earl P. Welty, Center Valley, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 29, 1940, Serial No. 337,755
5 Claims. (Cl. 77—67)



1. A drill comprising a plurality of boring portions of different diameters, each of said boring portions having a body portion and a cutting edge, the boring portion of the smallest diameter having a heel formed on its body portion at a point remote from its cutting edge, adapted to contact the work and to retain the body portion of the boring portion of the largest diameter in spaced relation with the work.

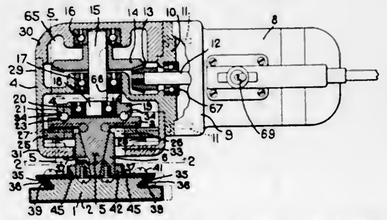
2,276,533
TELEGRAPH SYSTEM
Jefferson R. Wilkerson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1939, Serial No. 277,134
5 Claims. (Cl. 178—69)

1. In a telegraph system, a single telegraph transmitter arranged to transmit the same telegraph code signals simultaneously to a plurality of telegraph receiving circuits through individual telegraph receiving relays, each controlling one of said circuits, a telegraph path directly interconnecting said transmitter and said relays, a first individual channel in said path for transmitting a marking signal only, in a first direction, to each of said relays, a second individual channel in said path for transmitting a spacing signal only, also in said first direction, to each of said relays, a high vacuum discharge device in each of said channels, means connected to each of said channels for transmitting current of substantially the same magnitude in said channels for said marking and spacing signals and automatic regulating means, comprising a single lumped resistance connected directly from cathodes on said devices, said cathodes being connected in parallel, to negative battery, respon-



sive to changes in the output current of said devices, tending to stabilize the magnitude of the current transmitted for each of said signals as said current tends to vary.

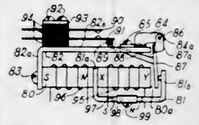
2,276,534
ABRADING MACHINE
Arthur C. Burleigh, Wellesley, Mass.
Application November 2, 1940, Serial No. 363,983
5 Claims. (Cl. 51—170)



2. An abrading machine having a vertically disposed driving shaft provided with an eccentric portion, a driving plate mounted on said eccentric portion and moved in an orbital path thereby, said driving plate having parallel ball-receiving grooves in its under face, a pad-carrying member having in its upper face parallel grooves which mate those of the driving plate, balls occupying said mating grooves, said pad-carrying member having in its under face parallel grooves extending at right angles to those in its upper face, a stationary supporting plate having grooves in its upper face which mate those in the under face of the pad-carrying member, balls occupying said last-named mating grooves, a pad carried by said pad-carrying member, and means to rotate said shaft.

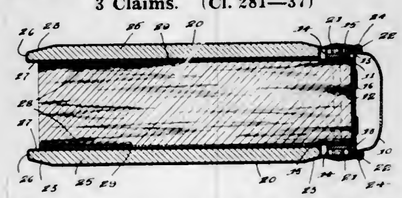
2,276,535
CONTROL DEVICE
Carl P. Clare, Park Ridge, Ill., and Irvin W. Cox, Milwaukee, Wis., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 30, 1938, Serial No. 232,646
6 Claims. (Cl. 175—339)

1. A control device comprising a field structure including a permanent magnet, first and second field elements, and a movable armature disposed between said field elements; and an operating winding and a polarizing winding electromagnetically associated with said field structure; said field structure and said windings constituting means including said permanent magnet for normally restraining said armature toward said second field element, means including said operating winding when energized with current of a pre-



determined polarity for moving said armature toward said first field element, means including said polarizing winding when energized for biasing said armature toward the one of said field elements toward which it is moved by one of said two first-mentioned means, and means including said permanent magnet for returning said armature toward said second field element against the bias of said last-mentioned means after said operating winding is deenergized.

2,276,536
COVER CONSTRUCTION FOR LOOSE-LEAF BINDERS
James Cooper, Solvay, and Gerhard H. J. Baule, Syracuse, N. Y., assignors to Hall-McChesney, Inc., Syracuse, N. Y., a corporation of New York
Original application March 6, 1939, Serial No. 260,054. Divided and this application December 12, 1940, Serial No. 369,854
3 Claims. (Cl. 281—37)

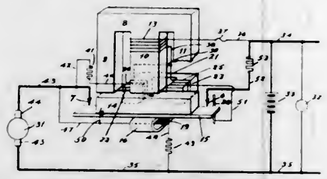


1. A cover construction for loose leaf binders comprising a one-piece integral shell formed of sheet metal with spaced apart hinge eyes along one side thereof, said shell consisting of a main panel forming the outer surface of the cover, a filler member arranged on the inner side of said shell, said shell being formed with an annular flange encircling the end edges and the outer side edge of said filler member, and a finishing sheet overlying said filler member.

2,276,537
ELECTRIC SWITCH
John L. Creveling, near Tucson, Ariz.
Application February 6, 1939, Serial No. 254,859
18 Claims. (Cl. 171—314)

16. In an electrical system comprising a source of variable voltage and a circuit containing a source of voltage to be supplied thereby, means for connecting the first-named source with the circuit of the second-named source when the voltage of the first source is substantially equal to that of the second throughout relatively wide changes in voltage of the second source, and breaking said connection when the second-named source discharges back through the first, including means for diverting current around said

connection operatively affected only by current through said connection.



17. An electric switch including circuit controlling means, an electro-magnet for operating said means, means for controlling the operation of said first named means, another electro-magnet for controlling said last-named means, and a movable armature common to both said electro-magnets.

18. In apparatus of the class described, means for opening and closing an electric circuit, a shunt circuit around said means controlling the operation thereof, and means for opening and closing said shunt circuit including a coil in shunt to both said circuit opening and closing means.

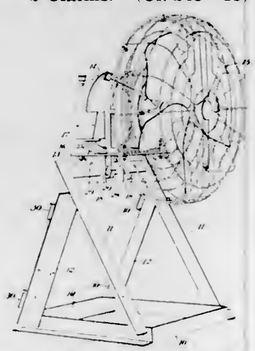
2,276,538

FAN SUPPORT

Wealthey E. Fey, Rahway, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 2, 1940, Serial No. 316,876

2 Claims. (Cl. 248—13)



1. A support for an electric fan comprising a base, a horizontally disposed rod supported by said base, a supporting plate having depending members which embrace said rod, blocks interposed between said rod and said plate and having faces in contact with the rod and plate, means for adjusting said blocks to cause them to grip the rod and prevent the plate from turning on said rod, and a stop lug carried by said rod and in position to be engaged by either of said blocks for limiting the movement of said plate relative to said rod.

2,276,539

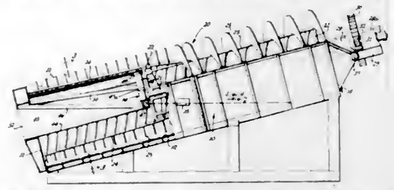
MATERIAL CLASSIFIER

John H. V. Finney, Denver, Colo., assignor to Homer C. Hirsch, El Paso, Tex.

Application September 7, 1940, Serial No. 355,737

11 Claims. (Cl. 209—464)

1. In a material classifier having a tank adapted to hold a body of liquid and solid particles therein to be classified, said tank having walls extending upwardly around an inclined bed, and rotary conveying means for moving settled particles along the tank bed, the combination of: a cantilever supporting structure mounted on the end wall of the tank and extending over the in-



clined bed and into the end of the rotary conveying means; and a bearing for the rotary conveying means mounted on the cantilever structure and supported thereby at a position spaced from said end wall.

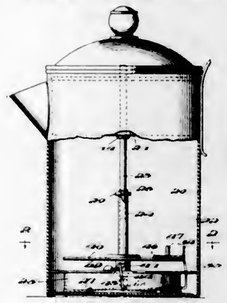
2,276,540

COFFEE PERCOLATOR

Brooks B. Harding, Freeport, N. Y.

Application April 4, 1938, Serial No. 200,012

15 Claims. (Cl. 53—3)



2. In a percolator, a liquid heating chamber, an infusing chamber receiving liquid from the heating chamber, control means for stopping the flow of liquid from the heating chamber to the infusing chamber, and variable speed fluid motor timing mechanism for actuating the control means adapted to be impelled by liquid in the percolator, said timing mechanism being set running by boiling of the liquid and operating at a speed dependent on the intensity of boiling.

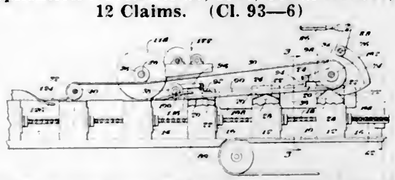
2,276,541

PACKAGING MACHINE

Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application November 26, 1940, Serial No. 367,193

12 Claims. (Cl. 93—6)



1. In a machine of the character described, in combination, means for moving successive overfilled cartons through the machine, and means including a movable inclined endless belt for progressively closing two opposed flaps of a carton as the latter is moved through the machine

and thereby simultaneously compressing the material therein, said belt having a substantially flush outer surface for its entire length.

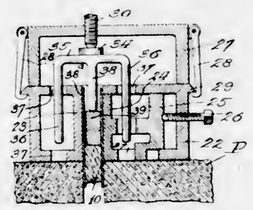
2,276,542

APPARATUS FOR SEALING EXPANSION JOINTS

Louis P. Kovanda, Sacramento, Calif.

Application August 10, 1938, Serial No. 224,078

5 Claims. (Cl. 94—39)



1. In an apparatus for compressing a filler strip of resilient material and inserting the compressed strip into an expansion and contraction joint of structures, roadways, pavements and the like, a frame having a longitudinal vertical wall rigid with respect thereto and a laterally movable wall spaced therefrom and parallel therewith to form an adjustable slot for receiving and compressing a filler strip, said walls terminating in guide members adapted to enter a joint to support said filler strip in alignment therewith and to position said filler strip at the desired depth and position within a joint, means for adjusting the width of said adjustable slot, combined extruding and lifting means comprising forked members disposed in spaced relation in the frame, each member having outer lifting rods that are spaced laterally from an extrusion rod, said lifting rods being of greater length than the depth of said compression frame and said extrusion rod, said extruding and lifting means extending through the compression frame, and adjustable means on said frame for simultaneously forcing said forked members downwardly whereby the filler strip will be forced into the slot and to the desired depth and position with respect to the joint and between the guide members therein, whereupon the lifting rods contact with the surface of the underlying structure, after which the entire apparatus is lifted out of operative position with continued downward movement of the forked member relative to the compression frame so as to leave the compressed filler strip properly positioned within the joint.

2,276,543

ALDEHYDES OF THE SATURATED AND UNSATURATED PREGNANE SERIES

Karl Miescher, Riehen, Switzerland, Werner Fischer and Caesar Scholz, Summit, N. J., and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J.

No Drawing. Original application June 27, 1939, Serial No. 281,488. Divided and this application March 25, 1941, Serial No. 385,208. In Switzerland July 1, 1938

4 Claims. (Cl. 260—397.4)

1. A compound selected from the class consisting of saturated and unsaturated pregnane-20-ol-21-als.

2,276,544

PERFORATING DEVICE

Leonidas C. Miller, Dallas, Tex., assignor to American Oil Tool Company, Dallas, Tex., a corporation of Texas

Application February 6, 1939, Serial No. 254,749

10 Claims. (Cl. 164—0.5)



1. A perforating device including, a body adapted to be lowered into a well bore, a plurality of explosive charges mounted in said body, means for conducting electrical current to the charges to fire the same, and means in the electrical circuit remote from the charges for controlling the current flowing to each charge, whereby a current of a predetermined intensity is required to fire each charge.

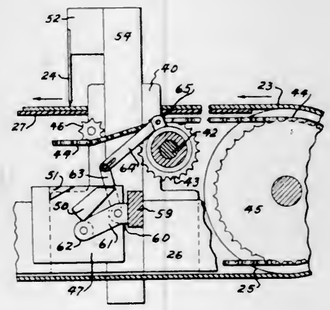
2,276,545

AUTOMATIC BREAD DOUGH AND LOAF PREPARING AND GRADUATING MACHINE

Mario A. Olgiati, Detroit, Mich.

Application September 23, 1940, Serial No. 357,914

2 Claims. (Cl. 107—21)



1. In a machine of the character described, a pair of side frame members supported by vertical legs, a movable belt adapted to receive finished bread dough strips from the machine, a knife mechanism for cutting said strips to a predetermined length, said mechanism comprising a transversely extending knife over said belt, a pair of vertical bars and a cross member secured to said bars and means for securing the knife to said cross member, a pair of side frame members, said bars adapted to slidably engage said side frame members and extend vertically there-

of, a pair of spaced apart horizontal rails and means for securing the same to the first-named side frame members, the last-named side frame members adapted to freely slide upon said horizontal rails, a pair of rolls to carry the aforesaid belt, a large sprocket fixed with the shaft of each of said rolls and a chain connecting said sprockets to each other, a clutch extending transversely of said belt and being connected to the last-named side frame members, small sprockets connected to said clutch and engaging the aforesaid chain, idle sprockets for keeping said chain in constant engagement with the clutch sprockets; means for disengaging said clutch at the end of the forward stroke of said knife for the return stroke thereof, coacting means for re-engaging the clutch for a repeated forward stroke of the knife, further coacting means whereby said knife will drop to a cutting position, and spring means for causing the knife to be elevated to the top clearing position.

2,276,546
FAULT-INDICATING MEANS FOR SIGNAL SYSTEMS

Clark Pool, Brooklyn, and Hugo F. Cypser, New York, N. Y., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts

Application April 13, 1938, Serial No. 201,800
7 Claims. (Cl. 177—311)

1. Fault-indicating means for signal systems comprising an audible signal included in a normally closed circuit, means for maintaining a flow of supervisory current through said circuit insufficient to cause operation of said signal, a second circuit including an audible signal, means for maintaining a flow of supervisory current through said second circuit insufficient to cause operation of its signal, interconnecting means for said circuits to cause operation of either signal in response to any interruption in the flow of supervisory current through either circuit, a visual signal normally included in the closed supervisory circuit of each audible signal for operation in unison therewith, and means for silencing either audible signal while maintaining energization of the associated visual signal.

2,276,547
OXIDATION PRODUCTS OF THE CYCLOPENTANO - POLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME

Leopold Ruzicka, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application June 21, 1938, Serial No. 215,056. In Switzerland June 28, 1937
12 Claims. (Cl. 260—397.1)

1. A process for the manufacture of oxidation products of the cyclopentano-polyhydrophenanthrene series, comprising splitting by oxidation an acetylene linkage present in a side chain at 17-position of a compound containing a cyclopentano-polyhydrophenanthrene nucleus.

2,276,548
PRODUCTION OF PHOTOGRAPHIC MULTICOLOR PICTURES

Wilhelm Schneider, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

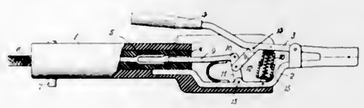
No Drawing. Application February 3, 1939, Serial No. 254,409. In Germany February 17, 1938
3 Claims. (Cl. 95—2)

1. In a process of producing a photographic multicolor picture the improvement which comprises exposing a photographic material having several silver halide emulsion layers containing dyestuff components fast to diffusion and being differently color-sensitive and at least one filter layer containing a substantive azo-dyestuff, the reduction products of which are capable of being washed out of the photograhic material, developing said material to provide a dye picture, the reduction products of which are incapable of being washed out of the photographic material, treating said material with an agent which reduces said azo dyestuff to products removable by washing and which reduces said picture dye to products not removable by washing, removing the decomposition products of said azo-dyestuff thus obtained by washing, and treating said material with an oxidizing agent, thereby reforming the color image formed from the said dyestuff components.

2,276,549
ELECTRODE HOLDER

William B. Shellabarger, Detroit, Mich.

Application June 18, 1941, Serial No. 398,642
4 Claims. (Cl. 219—8)



1. In an electrode holder, a grip, jaw members supported from said grip, means for opening and closing said jaw members, a fixed contact within said grip, a movable contact electrically connected with said jaw members, and motion transmitting means coupling said movable contact with said jaw operating means whereby said movable contact is moved thereby into and out of engagement with said fixed contact when said jaw members are opened and closed.

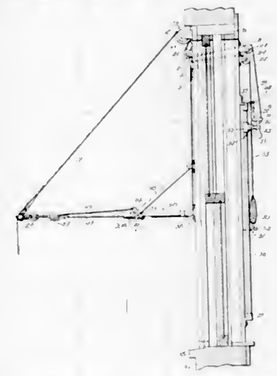
2,276,550
AWNING

Christian E. Skyum, Chicago, Ill.

Application February 26, 1941, Serial No. 380,573
7 Claims. (Cl. 156—44)

1. The combination with an awning structure comprising a frame pivoted to an awning support, a curtain connected to said frame and a roller on which the curtain is wound, carried by the awning support, of a cord having one of its ends connected to a fixed support and its other end connected to rotate the roller, the cord having a pendant loop adjacent its fixed end, a vertically movable element engaging the bottom of the loop and adapted to vary its length to rotate

the roller and raise the curtain and frame, and means for holding the element to retain the

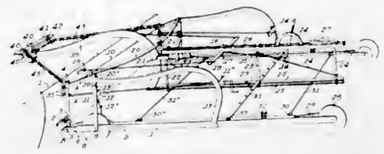


lower end of the loop in different vertical positions.

2,276,551
TERRACING MACHINE

Walter S. Walker, Helena, Mo.

Application February 10, 1938, Serial No. 255,782
1 Claim. (Cl. 37—153)



In a machine of the class described the combination of a horizontal base frame, a terracing blade supported for adjustment at the front of the frame, vertical standards fixedly supported at the forward portion of the base frame, upright adjustable blade supports located between the vertical standards and the terracing blade, means pivotally connecting the blade to said supports for tilting movement thereof about a horizontal axis, an operating lever mounted upon the base frame, mechanism operatively connecting said lever with said blade for effecting a tilting adjustment of the blade about its horizontal mounting axis, upper and lower link members supporting said blade supports for vertical adjustment and having pivotal connection respectively with the vertical standards and with the base frame, actuating means including rack and pinion mechanism operatively connected with the blade supports and the vertical standards for effecting a vertical adjustment of the blade.

2,276,552
SELF-SHANK BUTTON CHUCK

John Weber, Jr., Charles F. Weber, Louis H. Weber, Walter F. Weber, Frank H. Weber, Edward W. Weber, Leonard G. Weber, and Carl A. Goetzman, Muscatine, Iowa

Application December 18, 1939, Serial No. 309,860
1 Claim. (Cl. 279—51)

A chuck for holding self-shank button blanks for drilling, comprising a plurality of jaws and a collet, the jaws and collet being relatively movable longitudinally one with respect to the other, for effecting movement together and apart of said jaws, there being an opening between said jaws, which, in open position of the chuck, is sufficiently large to permit the insertion of the head of a self-shank button blank with the head substantially coplanar with the opening and which, in closed position of the chuck, is sufficiently small that the chuck jaws grip the head of the blank, said chuck jaws being provided with a notch extending from said opening in a direction transversely of said jaws a distance sufficient to accommodate the shank of said blank, and said notch extending from the jaw end of said chuck longitudinally thereinto, whereby a



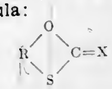
blank may be moved longitudinally of the chuck, with the faces of the chuck jaws forming the notch, positioning the blank, both longitudinally and transversely of the chuck, and preventing slippage of the blank in the chuck, and a member carried by said collet extending transversely of the chuck into and through said opening and movable upon release of the chuck into engagement with said blank to lift the released blank out of the chuck and upon reverse movement movable to a position out of blank-engaging relation prior to gripping engagement of the blank by the chuck.

2,276,553
THIOCARBONATES AND IMINO-THIOCARBONATES OF AROMATIC POLYHYDROXY COMPOUNDS

Georg Werner, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 24, 1939, Serial No. 263,903. In Germany March 29, 1938
5 Claims. (Cl. 260—327)

1. As a new product, a substance of the following general formula:



wherein X stands for an imino group and R for an aromatic nucleus selected from the group consisting of the benzene nucleus and the naphthalene nucleus, which nucleus R carries at least one hydroxyl group as substituent and the further positions of R are occupied by substituents selected from the group consisting of hydrogen, methyl, hydroxy, methoxy, ethoxy and halogen, the heterocyclic ring being bound to the aromatic nucleus in 1.2-position.

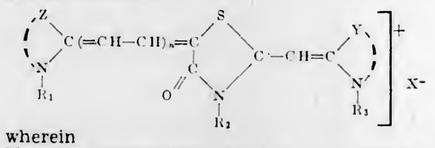
2,276,554
PHOTOGRAPHIC EMULSION

Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Oskar Riester, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1939, Serial No. 304,172. In Germany November 2, 1938

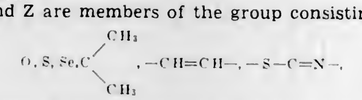
4 Claims. (Cl. 95—7)

1. A silver halide emulsion containing a dyestuff component for color-forming development of the α-naphthol series said dyestuff component containing a group having a chemical constitution which hinders diffusion of the dyestuff component and a sensitizing dye of the following general formula:



wherein

Y and Z are members of the group consisting of



Y and Z being members of heterocyclic rings or condensed heterocyclic ring systems which may be substituted,

R_1, R_2, and R_3 stand for a member of the group consisting of H, alkyl, aralkyl, aryl,

X stands for an anion, for instance Cl, Br, I, SO_4H, ClO_4, SO_4CH_3, $SO_4C_2H_5$, and

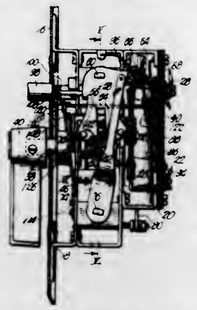
n stands for a whole number smaller than 3.

2,276,555
ELECTRIC SWITCH

Charles H. Wolf and Roy E. Gearhart, Kansas City, Mo.; said Gearhart assignor to said Wolf

Application May 1, 1940, Serial No. 332,738

16 Claims. (Cl. 200—122)



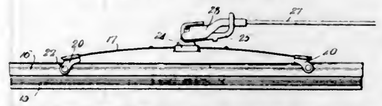
4. In an electric switch of the character described, a switch blade movable to open and closed circuit positions; means for moving said switch blade with a snap action to either of said positions; manually operable parts for actuating the means for moving the switch blade to place the same in the closed position; a latch to releasably hold the switch blade in the last mentioned position; thermally responsive structure including a resistor for automatically releasing the latch to cause the switch blade to move to the open circuit position after the same has remained in the closed circuit position a period of time; a second manually operable means for releasing the latch prior to its release automatically by the said thermally responsive structure; a shunt circuit having the resistor and a switch therein between said second manually operable means and the shunt circuit switch whereby to open the shunt circuit as the latch is released to cause the switch blade to assume the open circuit position, said latch having a switch contact point attached thereto and movable therewith to open and close the shunt circuit as the latch is moved, said switch contact point being in a position to open the shunt circuit when the thermally responsive structure has moved the latch to cause the switch blade to move to the open circuit position.

2,276,556
WINDSHIELD WIPER

Max Zalger, Swampscott, Mass.

Application December 29, 1939, Serial No. 311,569

6 Claims. (Cl. 15—250)



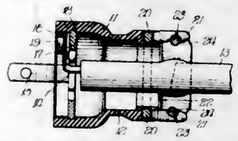
1. In a windshield wiper, a blade holder having spaced parallel sides for retaining a wiper element, a bowed yoke consisting of a relatively flat strip of sheet metal, saddle members connected to the end portions of the yoke and having ears straddling the blade holder, and means passing through said ears and blade holder to restrain relative longitudinal movement between the saddle members and the holder, the ends of the yoke being reduced in width to provide shoulders on opposite sides thereof, and each of said saddle members having sides formed with opposed channels receiving the respective ends of the yoke with the shoulders abutting the inner ends of the respective saddles, so that the yoke ends received in said channels are restrained from inward movement by said shoulders and from outward movement by the bowing of the yoke, the width of said channels limiting transverse movement of the yoke ends received therein.

2,276,557
ELECTRIC CONNECTOR

Daniel Woodhead, Barrington, Ill.

Application July 22, 1939, Serial No. 285,912

1 Claim. (Cl. 173—322)



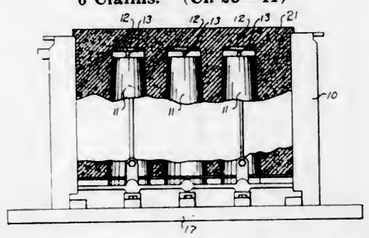
An electrical connector of the character described comprising a flexible and resilient molded body made of rubber-like material, a neck on said body having a longitudinally extending bore adapted to receive a conductor-carrying cable therein, a rigid ring embedded in said neck in surrounding relationship with respect to said bore, a pair of spaced posts rigidly attached to said ring and extending outwardly from the end of said neck, the outer ends of said posts having notches provided therein, a pair of clamp members adapted to clamp about opposite sides of a cable when inserted in said body, and a pair of screw means passing through said clamp members to draw said members into tight clamping engagement with the cable and engageable with said notches in said posts to connect the clamping members to the posts and provide a strain relief member whereby any strain on the cable will be transmitted to the posts and to said embedded ring.

2,276,558
CLOSED CAVITY END CONCRETE BLOCK MOLD

Emil Frank Zuber, Peoria, Ill., assignor to The Michigan Silo Company, Kalamazoo, Mich., a corporation of Michigan

Application August 22, 1940, Serial No. 353,645

6 Claims. (Cl. 25—41)



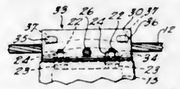
1. In a concrete block mold, a core, a plate on the end of the core, said plate being shiftable in relation to the core in the direction of the axis of the core, means maintaining the plate in alignment with the core, and stop means limiting the travel of the plate from the core.

2,276,559
CLAMP FOR ATTACHMENT TO CABLES

Quinter E. Bashore, Covina, Calif.

Application January 22, 1940, Serial No. 314,984

4 Claims. (Cl. 240—52)



1. An electrical device adapted to be mounted on a tensioned cable between two spaced conductors for energization by the conductors, said device including: two spaced outwardly extending walls adapted to lie along opposite sides of the cable; a pair of means normally extending across the space between said walls relatively near the outer edges of the walls to press inward against the cable at two points spaced longitudinally of the cable, each of said pair of means being retractable independently of the other for admission of the cable to the space between the walls; and a spreader adapted to support said two conductors extending transversely of said spaced walls in a position to press outwardly against the cable at a third and intermediate point to offset the cable against the cable tension.

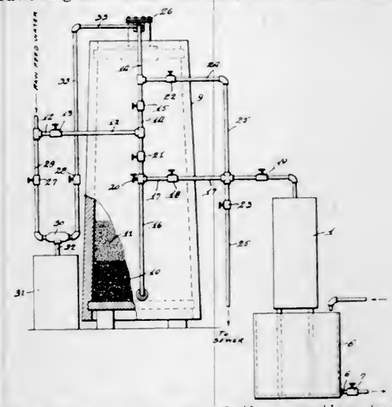
2,276,560
PROCESS AND APPARATUS FOR CARRYING OUT CHEMICAL PROCESS

Paul G. Bird, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

Application December 1, 1937, Serial No. 177,418

5 Claims. (Cl. 210—24)

1. An apparatus for removing salts of carbonic acid from water containing the same, which comprises a treating tank containing a bed of exchange material capable of converting salts of weak volatile acids to the corresponding free acids, an open loosely packed tower open at both ends and adapted to permit the aeration of water passing therethrough in a condition of high surface exposure, a storage tank, means for introducing water into said treating tank, means for conducting the water flowing from said treating



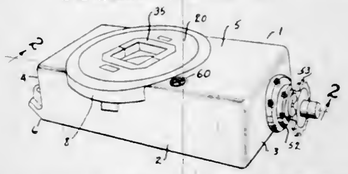
tank to the upper part of the aeration tower, means for draining the water from the aeration tower into the storage tank, means for draining the treating tank to waste, means for introducing a regenerating fluid into said treating tank, and means for introducing raw water into said treating tank in a direction contrary to the normal flow of water therethrough.

2,276,561
ROTARY DRILLING MACHINE

Richard R. Bloss, Beaumont, Tex., assignor to The International Derrick & Equipment Company of Texas, Beaumont, Texas, a corporation of Texas

Application June 5, 1939, Serial No. 277,459

2 Claims. (Cl. 255—23)



1. In a rotary drilling machine the combination of a unitary base of a rectangular inverted box-like construction, a gear table rotatably mounted on the base, and having an annular groove, the top portion of the base having its ends extended each way beyond the table and the upper surface of the extended ends being substantially flush with the top surface of the table, a hold-down ring forming an upthrust bearing between the table and base, an annular upstanding vertical wall on the base around the table and an annular seal ring forming a seal in said groove between the table and wall to retain a lubricant and to exclude foreign matter.

2,276,562
SOUND RECORDING STYLUS

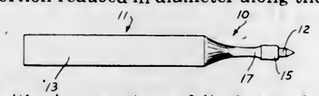
Frank L. Capps, New York, N. Y.

Application July 9, 1940, Serial No. 344,471

5 Claims. (Cl. 274—38)

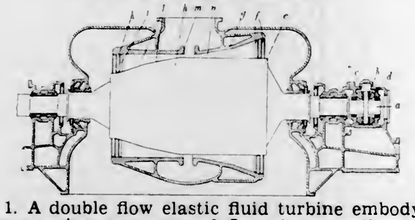
1. In a sound reproducing stylus, a metal

shank including an elongated body having one end portion reduced in diameter along the lines of



a logarithmic curve toward its free end, a socket in said free end, and a permanent point having a portion rigidly secured in said socket.

2,276,563
ELASTIC FLUID TURBINE
Stanley Smith Cook and Louis Mortimer Douglas, Wallsend-on-Tyne, England, assignors to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England
Application March 4, 1940, Serial No. 322,194
In Great Britain March 4, 1939
3 Claims. (Cl. 253—67)



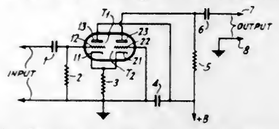
1. A double flow elastic fluid turbine embodying a casing, two opposed-flow stator sections in said casing, inward projections constituting stator blades on each section, a rotor body lying in both sections, outward projections on the rotor constituting rotor blades in each section, the surface containing the tips of the rotor blades of one section being conoidal and the surface containing the stator blades of that section being cylindrical, the surface containing the rotor blades in the other section being cylindrical and the surface containing the stator blades of that section conoidal and the apices of the two said conoidal surfaces lying at the same end of the turbine.

2,276,564
TRIMETHYLOLNITROMETHANE, METHOD OF PURIFICATION
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,231
6 Claims. (Cl. 34—31)

1. The method of removing occluded formaldehyde from trimethylolnitromethane containing the same which comprises circulating a current consisting essentially of an inert gas over the material at a temperature within the range of about 20° C. to about 70° C. for a period of time beyond that required to remove moisture from the material and sufficient to remove substantially all the occluded formaldehyde.

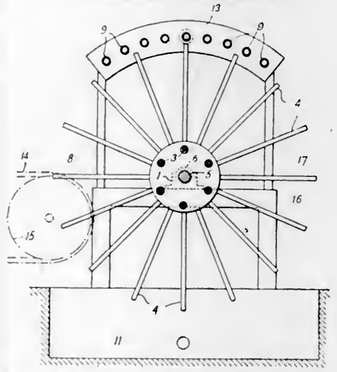
2,276,565
LIMITING AMPLIFIER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 23, 1939, Serial No. 275,151
13 Claims. (Cl. 178—44)

1. A limiting amplifier comprising a pair of thermionic discharge tubes each having an anode, a grid and a cathode, said cathodes being so coupled together that a variation in the discharge current of one of said tubes varies the discharge current of the other of said tubes, means for applying a signal to the grid of one of said tubes sufficient to swing said grid beyond cut-off and



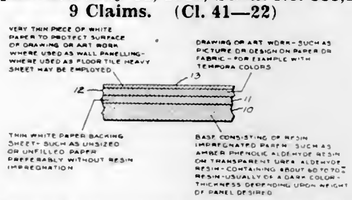
an output circuit coupled to the anode of the other of said tubes, the remaining grid and plate being maintained at a zero signal potential.

2,276,566
TREATMENT WITH LIQUIDS OF METAL ARTICLES, ESPECIALLY PLATES
John Curran, Cardiff, Wales
Application June 29, 1940, Serial No. 343,301
In Great Britain June 28, 1939
2 Claims. (Cl. 266—7)



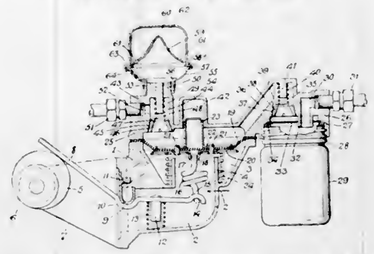
2. Apparatus for subjecting metal plates to treatment with jets of a liquid, such apparatus comprising a rotor mounted for continuous rotation and divided throughout the extent of its periphery by radial partitions into a number of sectoral compartments, each adapted to freely receive a plurality of metal plates to be cleaned, and bounded inwardly by the hub of the rotor which affords a support for the metal plates at their inner edges, and at least one row of nozzles situated adjacent to the periphery of the rotor and substantially in the vertical plane containing the axis of the rotor, the nozzles being connected with means for supplying the treating liquid through the said row of nozzles downwardly in the form of streams or jets along and against the upper edges of the plates to enable the plates to be separated by the row of jets to facilitate the flow of liquid to all parts of the plate surfaces.

2,276,567
DECORATIVE PANEL
Alice Donaldson, New York, N. Y.
Application May 31, 1940, Serial No. 338,139
9 Claims. (Cl. 41—22)



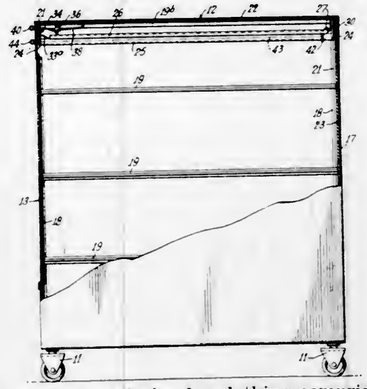
1. A panel composed of a laminated backing sheet of resin impregnated paper, intermediate upper unimpregnated white backing sheet, a superimposed drawing to be mounted and a surfacing sheet, said sheets having all been united together by heat and pressure.

2,276,568
PUMP
Charles A. Erickson, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application July 12, 1940, Serial No. 345,136
17 Claims. (Cl. 103—38)



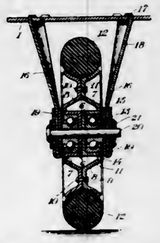
1. In combination in a pump, having a hollow housing, an inlet and an outlet passage, and having a pump chamber formed within said housing, and a diaphragm positioned within said housing and forming a wall of said chamber; means for reciprocating said diaphragm, said means including a spring positioned within said housing and bearing upon said diaphragm, and a second spring connected at one end to said diaphragm, a fulcrum in said housing, means for pulling on said second spring, said means including a rocker arm loosely mounted on said fulcrum and engaged in the end of said second spring away from said diaphragm, and supports for said rocker arm comprising a spring, and a driving means adapted to rock said rocker arm, said last mentioned spring being positioned to one side of said fulcrum, said rocker arm positioned held thereagainst, by said last mentioned spring.

2,276,569
SHIPPING CONTAINER
Ernest Fried, New York, N. Y.
Application February 23, 1939, Serial No. 257,918
2 Claims. (Cl. 206—7)



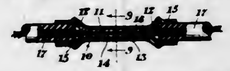
1. A shipping device for clothing comprising a container of rigid material having a substantially rectangular body portion closed by a roof portion, said body portion having a door in one end wall thereof of substantially the full size of the end wall and said roof portion having a roof sloping upwardly toward its center line, a pole carried by said top portion parallel to and below said center line and extending from one end wall of said roof portion to the other, said roof portion being firmly attached to said body portion to close the container, said parts being constructed and arranged that garments may be hung by hangers from said pole within said container and a bar lying parallel to said pole and movable from a position spaced from said pole to a position in contact with hangers upon said pole and means within said container for locking said bar against said hangers, said bar being pivoted at its back end to a pivoted link arranged that when said bar is in contact with said hangers said link will be substantially vertical and means upon the front end of said bar for locking it in hanger locking position, whereby said bar may be moved from its spaced position along a downwardly biased path rearwardly into locking position and locked in said position.

2,276,570
ROLLER SKATE
Charles N. Gaines, Oakmont, Pa.
Application July 15, 1940, Serial No. 345,635
1 Claim. (Cl. 301—5.7)



A roller skate wheel comprising a pair of companion plate sections shaped to provide a pair of annular centrally disposed hub chambers having open outer ends and inner walls with the latter disposed in face to face engagement, annular flanges extending from the outer peripheries of the chambers, inwardly flared portions formed on the flanges, ring portions formed on the inwardly flared portions, means extending through the ring portions and fixing the plate sections together with the ring portions engaged with each other, opposite outwardly flared arcuate flanges formed on the ring portions and providing a channel rim, a rubber tire secured within the rim, a ball bearing mounted in each hub chamber and including inner and outer race members, and the inner race members being of a width to extend outwardly of the chambers.

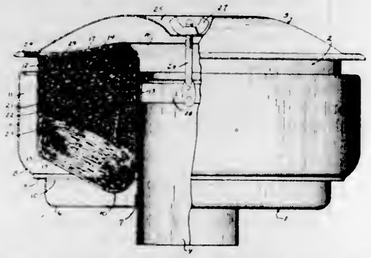
2,276,571
SPLICING METHOD
Theodore J. Grypma, Grand Rapids, Mich.
Application August 30, 1939, Serial No. 292,621
4 Claims. (Cl. 174—90)



2. The method of splicing the ends of a pair of wires of the multiple strand type which comprises the acts of inserting the end of each mul-
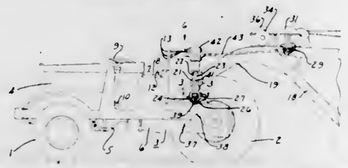
tiple strand wire within an opposite end of a malleable metal tube, twisting each wire in an opposite direction to effect intermingling of the strands of one wire with those of the other, and thereafter flattening a portion of the length of the tube intermediate its ends.

2,276,572
METHOD OF MAKING FILTERS
Earl G. Gunn, Racine, Wis., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Original application March 4, 1940, Serial No. 322,142. Divided and this application May 4, 1940, Serial No. 333,303
10 Claims. (Cl. 140—71)



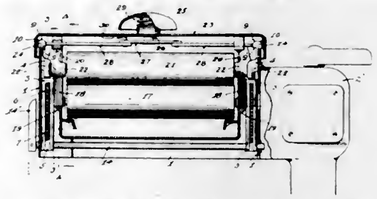
1. The method of making a filter mass for use in liquid bath air cleaners, including the steps of winding a strand of material into a coil, bringing the ends of the coil together to form substantially a toroid, and then crushing the coil axially of the toroid and substantially transversely to the axis of the coil to eliminate the interior hollow of the coil and lay the respective strands forming the turns of the coil in substantially parallel arrangement.

2,276,573
EARTH MOVING APPARATUS
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 14, 1939, Serial No. 289,997
7 Claims. (Cl. 37—124)



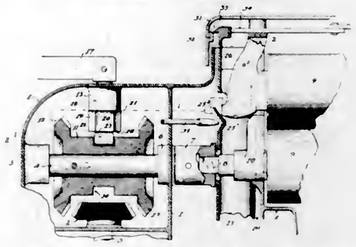
1. Earth moving apparatus comprising an earth moving vehicle having an extension adapted to project over the top of a tractor body and means at the end of said extension for universal connection to said top of said tractor body to enable said tractor to propel said vehicle while allowing relative movement between said vehicle and said tractor, a cable on said vehicle for operating mechanism thereon, a winding drum for said cable mounted on said vehicle, shafting mounted on said vehicle and drivable by said tractor for driving said drum, and means for precluding stress on said shafting as a result of propulsion of said tractor comprising a universal connection adapted for connection with driving means on said tractor substantially at the center of said first mentioned universal connection.

2,276,574
WRINGER
Albert R. Haag, Frank W. Werckle, and Ross E. Locher, Peoria, Ill., assignors to Albert R. Haag and George A. Haag, both of Peoria, Ill., doing business as Haag Bros. Co., a copartnership
Application November 4, 1937, Serial No. 172,818
17 Claims. (Cl. 68—263)



1. In a wringer structure including a wringer frame, a pair of rolls, and a closure member for the frame normally fixed with respect thereto and including an abutment, a two-part member erected at each end of the frame, means to secure one of the parts of said member with respect to the frame, the other part thereof having a hook portion adapted to engage upon the abutment for holding the closure member upon the frame, and releasable laterally from said abutment, a spring between the parts of each two-part member, and means adapted to draw the hook portions upon the abutments, and releasable manually operated means normally engaging and holding the hook portions in positive engagement with the abutments, the last named means adapted by a manual action to release the said hook portions.

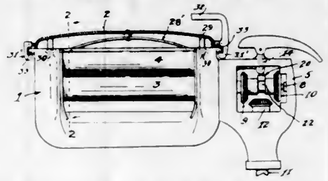
2,276,575
WRINGER
Albert R. Haag, Frank W. Werckle, and Ross E. Locher, Peoria, Ill., assignors to Albert R. Haag and George A. Haag, both of Peoria, Ill., doing business as Haag Bros. Co., a copartnership
Application November 4, 1937, Serial No. 172,819
10 Claims. (Cl. 68—253)



1. In a power driven wringer, including its frame, rolls therein and means for providing pressure between said rolls, the combination with a power driven gear, a pair of gears to separately mesh with the latter for operating the wringer rolls and including a shifting sleeve, and manually operated means for bringing about the separation of the rolls, of mechanism including a slide engaging in the sleeve and shiftable at right angles to the axis of sleeve rotation, a cam swingable eccentrically on a shaft mounted in the wringer frame, a pin on said cam mounted on said cam eccentrically to the axis of the said shaft, said cam having three faces each corresponding in position to one of the three shifted positions of the pair of gears, a shiftable member

guided in the wringer frame structure arranged to reciprocate in a direction at right angles to the axis of rotation of said pair of gears and adapted to abut a face of said cam, a spring constantly urging the member in the direction of the cam, a mounted shiftable rod interposed between the member and the manually operated wringer roll release means and engageable at one end with the latter, a ball interposed between the other end of the rod and said member, there being a notch in the latter to receive the ball in given position of that member with respect to the cam.

2,276,576
WRINGER
Albert R. Haag and George A. Haag, Peoria, Ill.
Application October 30, 1939, Serial No. 302,020
5 Claims. (Cl. 68—253)



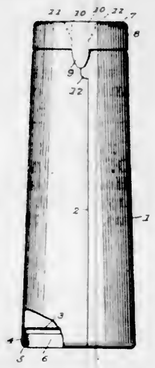
1. In combination with a wringer structure including a liftable top closure, wringer rolls, a power gear, and a pair of shiftable gears for selectively engaging said power gear, of a manually operated cam having a plurality of faces and having associated therewith a crank slide operatively engaging the pair of gears for selective meshing thereof with the power gear, a rod elastically held at one end in engagement with the cam, and shiftable lengthwise by the latter, a first means in the path of movement of the rod, means to urge said first means elastically into engagement with the rod, said first means and rod being fashioned to interlock one with the other for holding the rod in an extreme position when the named gears are in mesh, said first means lying in position to be moved toward the rod by contact of a part of the top closure therewith.

2,276,577
PAPER CONTAINER
Richard F. Hahn, Easton, Pa., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application September 13, 1939, Serial No. 294,762
7 Claims. (Cl. 229—7)



1. A container including a body portion and a closure cap applied to an end thereof, said closure cap having a part adapted to be partially torn therefrom to provide a pouring opening, an edge of the body being exposed as a pouring edge at right angles to the plane of the opening, said partially torn portion being adapted to be returned to its original position for closing the opening, and a member engageable with the returned torn portion for holding the same against accidental displacement.

2,276,578
PAPER CONTAINER
Richard F. Hahn, Easton, Pa., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware
Original application September 13, 1939, Serial No. 294,762. Divided and this application May 3, 1940, Serial No. 333,226
1 Claim. (Cl. 229—5.6)

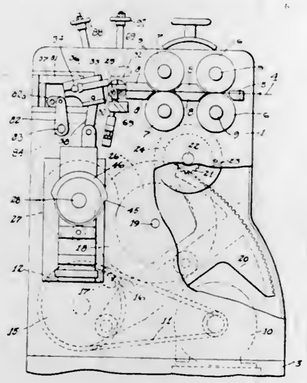


A container including a tapered body and a bottom closure having a disc-like portion and an outwardly directed flange, the bottom closure being inserted into the larger end of the tapered body with the flange extending outwardly and that portion of the flange adjacent the disc-like portion contacting with the inner face of the body, the flange being bent at an angle of less than 90° relative to the disc-like portion and in a direction opposite to the taper of the body to provide a space between the outer face of the flange and the inner face of the body from the outer end of the flange to the point of contact with the body and opening towards the larger end of the body, said larger end being folded inwardly around the end of the closure flange and in contact with the inner face thereof and adhesive positioned in and filling said space.

2,276,579
SPRING COILING MACHINE
Elmer W. Halvorsen and Charles R. Bergevin, Torrington, Conn., assignors to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application August 24, 1940, Serial No. 354,028
14 Claims. (Cl. 140—78)

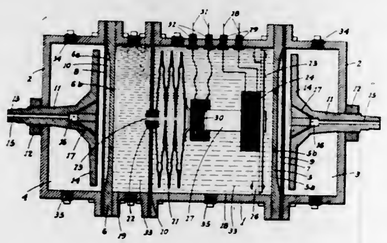
1. In a spring coiling machine, the combination with feed rolls capable of intermittent rotative movement, a coiling arbor and a coiling abutment capable of relative movement with respect to the coiling axis, of means for controlling the relative positions of said arbor and abutment to

form wire as fed continuously by said rolls into a coiled spring with extended ends, and means



to shift said arbor while said rolls are stationary, to cause severance of a completed spring.

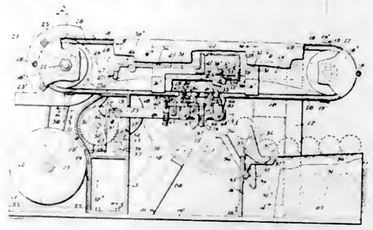
2,276,580
VELOCITY GAUGE
David L. Hofer, Albany, Calif.
Application January 2, 1940, Serial No. 312,017
12 Claims. (Cl. 73—205)



1. A device to gauge the velocity of liquid flowing through a pipe, said device comprising an enclosed housing, separate supplies of non-compressible fluid in the housing, means enclosing each supply of said fluid and including a flexible diaphragm, a bellows in the housing, one supply of the fluid being arranged in communication with the interior of the bellows and the bellows being submerged in the other supply, means to subject one of the diaphragms to the pressure from the pipe at one point therein and to subject the other diaphragm to the pressure from the pipe at a relatively remote point therein, and instrumentalities, including a meter, associated with said bellows and actuated by the movement thereof.

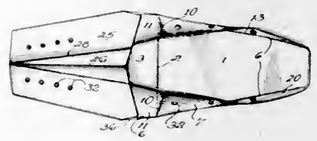
2,276,581
EGG CLEANING MACHINE
Curtis S. Jordan, Glendale, Calif.
Application June 12, 1939, Serial No. 278,640
8 Claims. (Cl. 51—135)

1. In an egg cleaning mechanism, an endless belt-like member of flexible, abrasive material, means for driving said member, means operable on one lap of said member for flexing it transversely to conform to the curved surface of an egg held thereagainst, and a pair of opposed driven belts for holding and turning an egg



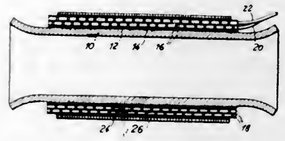
on its longitudinal axis against said endless member, and means for driving said belts.

2,276,582
SANITARY PAPER SLIPPER
Emil A. Krevis, Park Ridge, Ill.
Application May 3, 1939, Serial No. 271,525
4 Claims. (Cl. 36—9)



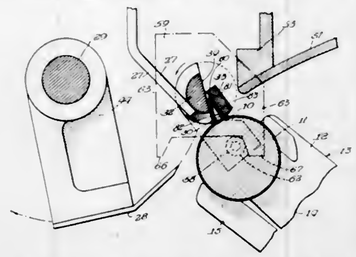
1. In a paper slipper a substantially flat base portion forming a sole, the front of the base portion being bounded by two lines meeting at the center of the base with an obtuse angle between them, a toe portion formed on the forward end of said base portion and folded back along said two lines at the front of the base, means connecting the sides of the toe portion to the sides of the base, the material at the rear of the toe portion when folded back being greater in width than the base, the toe portion having two folds therein extending lengthwise, the two folds in the toe member and the angular folds between the front of the toe member and the front of the base portion permitting the toe member to be folded into a plane adjacent to the base portion and of a width equal to that of the base portion.

2,276,583
ELECTRIC HEATING ELEMENT
Günther Laubmeyer, Kassel-Wilhelmshohe, Germany
Application June 23, 1939, Serial No. 280,885
In Germany June 30, 1938
5 Claims. (Cl. 201—67)



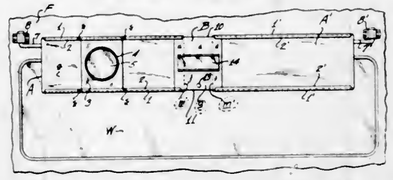
1. An electrical heating resistance unit comprising an iron core, at least one layer composed of aluminum in sheet form placed on said core, and electrical heating elements firmly contacting said layer to hold said layer to said core whereby an iron-aluminum alloy zone is formed between said core and said layer when said unit is heated during use.

2,276,584
FOLDING MACHINE
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,203
12 Claims. (Cl. 93—2)



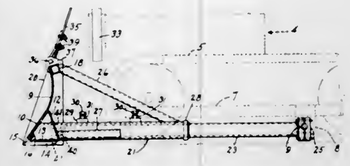
1. A wrapping machine for forming a druggist fold comprising means for positioning an article and wrapper in a predetermined relationship with the wrapper engaging a predetermined part of the article and the free ends of the wrapper spaced apart and projecting outwardly a predetermined distance, a folder bar normally positioned relatively close to said article and having a folding surface normally extending in a direction generally perpendicular to the surface of the article, a rotatable folder having a substantially flat surface cooperating with said surface of the folder bar to provide an angular folding pocket having a relatively wide opening, a pivotally mounted tucker blade swingable into and out of said pocket for bringing said free ends into contacting relationship and partially folding the contacting ends within the pocket, and means for rotating said folder with respect to said folder bar to decrease the angle of said pocket and effect further folding of the wrapper against said surface of the folder bar.

2,276,585
SUN VISOR
Millard G. Mandel, University City, Mo.
Application September 23, 1939, Serial No. 296,212
2 Claims. (Cl. 296—97)



1. A vehicular sun visor comprising main and auxiliary panels each provided along its top and bottom margins with slideways and said panels being adapted for mounting upon a vehicle in spaced relation longitudinally and for swingable adjustment one independently of the other, in combination with a third panel normally disposed upon the rear face, and loosely mounted at its upper and lower margins in the slideways, of the main panel, said third panel being adapted for endwise slidable movement relatively to said main and auxiliary panels for also at its upper and lower margins partially engaging in the slideways of the auxiliary panel for bridging the space between the main and auxiliary panels and for detachably integrating the three panels into a single visor.

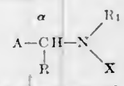
2,276,586
BULLDOZER
George R. McIntosh, San Francisco, Calif.
Application April 27, 1940, Serial No. 331,970
1 Claim. (Cl. 37—144)



In a tractor-attached bulldozer of the type including a blade support forwardly and transversely of the tractor, and side beams pivotally connected at their rear portions to the tractor sides and having at their forward portions vertically and horizontally inclined brace members connecting the same with the transverse blade support, forming a rigid U-shaped vertically swingable bulldozer frame, the improvement which consists in forming the side beams in forward and rear sections, the forward sections being in the form of tubes rigidly secured at their forward ends to the blade support and of a length to receive the rear, outer ends of the said brace members, and the rear sections being pivoted at their rear ends to the tractor and having their forward portions telescoping within the forward sections; the said forward sections having an internal abutment plate in each forward section to receive the forward end of the rear section thereagainst, an anchoring member behind each abutment plate to reinforce the abutment plate in its position, and means to rigidly clamp the telescoping portions of the sections together when the rear sections are so engaged with the abutments.

2,276,587
WATER-SOLUBLE, HIGH MOLECULAR α-SUBSTITUTED ARALKYL AMINES AND THEIR MANUFACTURE
Carl Mettler, Henry Martin, Otto Neracher, and Alfred Staub, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 10, 1939, Serial No. 303,906. In Switzerland November 25, 1938
14 Claims. (Cl. 260—457)

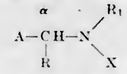
1. A process for the manufacture of water-soluble, high molecular α-substituted aralkylamines, comprising starting from aralkylamines of the general formula



wherein R means a member of the group consisting of alkyl, aralkyl and aryl, R_1 means a member of the group consisting of hydrogen, alkyl, hydroxy-alkyl and aralkyl, X means a member of the group consisting of hydrogen, alkyl, hydroxy-alkyl, aralkyl and acyl and A represents a nucleus of one of the benzene and naphthalene series, these compounds containing a high molecular aliphatic radical of at least 8 C-atoms, and converting such α-substituted aralkylamines by solubilizing means into water-soluble derivatives thereof.

10. Water-soluble, high molecular α-substi-

tuted aralkylamines consisting of aralkylamines of the general formula



wherein R means a member of the group consisting of alkyl, aralkyl and aryl, R_1 means a member of the group consisting of hydrogen, alkyl, hydroxy-alkyl and aralkyl, X means a member of the group consisting of hydrogen, alkyl, hydroxy-alkyl, aralkyl and acyl and A represents a nucleus of one of the benzene and naphthalene series, these compounds containing a high molecular aliphatic radical of at least 8 C-atoms and a quaternary ammonium group, such compounds having excellent capillary-active effects and other valuable properties for textile industry.

2,276,588
PEDESTAL
Lawrence M. Michelson, Clayton, Mo., assignor to Duro Chrome Corporation, St. Louis, Mo., a corporation of Missouri
Application March 25, 1940, Serial No. 325,815
8 Claims. (Cl. 155—134)



8. A stool base including an outer shell provided at one end with a diametrally enlarged base flange, an inner shaft extending through the outer shell and terminating at its one end interiorly of the base flange, said shaft being provided at such end with floor engaging means disposed within the confines of the base flange, said floor engaging means bearing against the underside of the base flange for holding the outer shell off the floor whereby the entire structure may be supported in upright position by the shaft and its associated floor engaging means, and means upon the opposite end of the shaft extending radially outwardly therefrom and secured to the outer shell for clampingly holding the outer shell between said means and the floor engaging means.

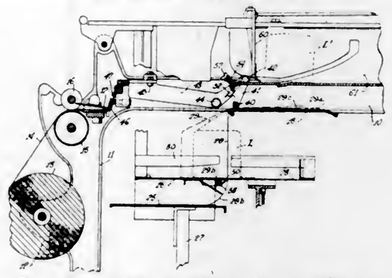
2,276,589
DRIER
Moses F. Peltier, Chicago, William Burnett, Jr., Marion, and Carl Lee, Chicago, Ill., assignors to Peabody Coal Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1939, Serial No. 257,418
2 Claims. (Cl. 34—136)

1. In apparatus of the character described, a rotatable drum having an axial passageway for material, a plurality of spirally extending flexible members within said passageway, a plurality of flexible members extending circumferentially in said passageway, a plurality of flexible members extending axially of said passageway and spaced



outwardly from the axis thereof, means for supporting said flexible members at spaced intervals along their length, and means for varying the temperature of said material during its passage through said drum.

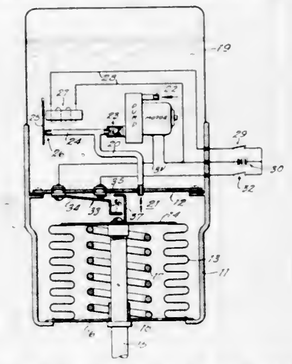
2,276,590
PAPER HOLDING AND TENSIONING MEANS
Charles H. Petskeyes, Davenport, Iowa, and Israel C. Gellman, Rock Island, Ill., assignors to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,675
9 Claims. (Cl. 93—2)



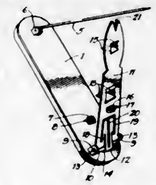
1. In a wrapping machine, in combination, a cyclically operable article-wrapping carrier, stationary sheet holding means arranged adjacent the path of movement of said carrier, movable holding means arranged for cooperation with said stationary holding means to hold sheeting in position for wrapping on an article carried by said carrier, said carrier being arranged and constructed to effect folding of sheeting, held as aforesaid, on an article carried thereby, said movable holding means coacting with said carrier for operation periodically by the latter to engage and hold sheeting cooperably with said stationary means during a part of each cycle of movement of the carrier, said movable holding means being moved thereafter to release said sheeting from held engagement with said stationary holding means and quickly reengage said sheeting to hold the same in cooperation with holding means on said carrier during substantially the remainder of said cycle, and means for feeding sheeting into position for engagement by said movable and stationary holding means in timed relation to the movements of said carrier.

2,276,591
OPERATOR
William R. Ray, Beverly Hills, Calif.
Application July 27, 1940, Serial No. 348,064
8 Claims. (Cl. 60—52)

1. In an operator of the character described, in combination: an elongated casing; a rigid partition joining the side walls of said casing intermediate the ends thereof; a movable wall joined to the lower end of said casing; the lower portion of said casing defining, with said partition and said wall, a pressure chamber; the upper portion of said casing defining, with said partition, a reservoir containing a liquid; an electrically operated pump in said reservoir, and supported by said partition, for forcing said liquid into said chamber to move said wall in one direction; and means constantly urging said wall in an opposite direction.



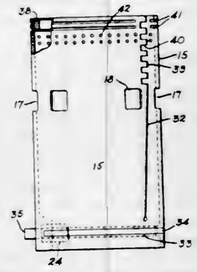
2,276,592
REFLECTING SAFETY DEVICE
Clara V. Reitman, Chicago, Ill.
Application December 28, 1939, Serial No. 311,331
2 Claims. (Cl. 88—80)



1. A light reflecting safety device, comprising a body in the form of a brooch having on one face a suitable medium for reflecting light from various angles back toward its source, and having behind said face a clasp member hinged at one end of said brooch and extending toward the other end, a stick pin member mounted adjacent said other end of said body and extending toward said one end, said members being formed and arranged to permit either to extend over the outside of the other, and a keeper on the outside of said clasp member engageable with said stick pin member.

2,276,593
ENGINE
George Riley, Los Angeles, Calif.
Application June 4, 1940, Serial No. 338,778
8 Claims. (Cl. 123—65)

1. In an engine, a cylinder having ports, a piston and a sleeve valve arranged one within another in coaxial relationship, said sleeve valve having ports adapted to register with the ports of the cylinder, means for axially moving the sleeve and the piston with respect to the cylinder in timed relation, said sleeve having a substantially longitudinally extending slot providing for radial expansion and contraction regardless of valve temperature and having a portion forming part of the combustion chamber of the engine between the ports in the sleeve valve and the outer end of the sleeve valve, such portion having a series of substantially radially extending holes through which combustion pressures are



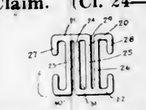
transmitted directly to the cylinder to control the pressure of the sleeve valve with respect to the cylinder.

2,276,594
PROCESS OF PREPARING PRINTING MEMBERS AND PRODUCT THEREOF
George S. Rowell, Cleveland, Ohio, assignor to George T. Trundle, as trustee, Cleveland, Ohio
Application November 17, 1939, Serial No. 305,015
28 Claims. (Cl. 101—401.1)



1. In forming a planographic printing surface on a printing member, the method comprising blasting one face of the member with relatively sharp granules directed toward said face principally at acute angles relative thereto, whereby to raise minute projections on the material of which the surface of the member is composed, then distorting the tops of the projections to cause them to overhang the member in slightly spaced relation thereto.

2,276,595
ADJUSTABLE BUCKLE
Joseph Shaulson, Providence, R. I.
Application May 5, 1941, Serial No. 391,853
1 Claim. (Cl. 24—200)



A buckle comprising an integral frame having spaced side bars and four transverse bars, the two intermediate transverse bars and the contiguous side bar portions providing a completely enclosed slot, one side bar having a passageway therethrough between one of said intermediate transverse bars and the transverse bar adjacent thereto, and the other side bar having a passageway therethrough between the other intermediate transverse bar and the transverse bar adjacent thereto, the side bars at each end of the

buckle having portions turning inwardly towards each other with their ends spaced to provide a split end bar.

2,276,596
POLYMERIZATION OF STYRENE AND ITS HOMOLOGS
Herbert Muggleton Stanley, Tadworth, and Hanns Peter Staudinger, Sutton, England
No Drawing. Application March 8, 1938, Serial No. 194,710. In Great Britain March 23, 1937
5 Claims. (Cl. 260—86)

1. The production of a styrene-type polymerization product by subjecting a monomeric hydrocarbon of the group consisting of styrene and methylstyrene to polymerizing conditions together with an ester derived from crotonic acid and a saturated monohydric alcohol having from 6 to 12 carbon atoms in the molecule.

2,276,597
MANUFACTURE OF GLYCOL ETHERS
Herbert Muggleton Stanley, Tadworth, and Philip Eaglesfield, Carshalton, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application June 25, 1940, Serial No. 342,392. In Great Britain July 1, 1939
7 Claims. (Cl. 260—615)

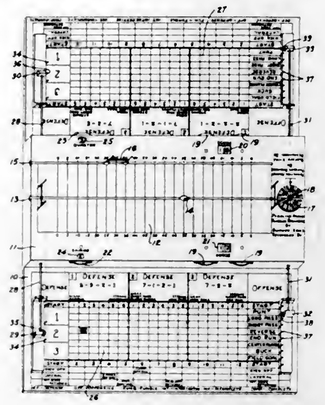
1. A process for the manufacture of glycol ethers which comprises interacting an alkylene oxide with an organic compound containing at least one hydroxyl radical, said compound being selected from the group consisting of alcohols and phenols, in the presence of a small amount of hexamethylene tetramine.

2,276,598
PROCESS FOR THE MANUFACTURE OF HEAVY METAL COMPOUNDS OF PHTHALOCYANINES
Robert Stocker and Armin Bucher, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application March 1, 1940, Serial No. 321,804. In Switzerland March 13, 1939
5 Claims. (Cl. 260—314)

1. Process for the manufacture of heavy metal compounds of phthalocyanines by heating cyclic ortho-dinitriles with compounds yielding heavy metal in the presence of indifferent liquid organic diluents, comprising adding to the mixture small proportions of compounds selected from the group consisting of sodium hydroxide, calcium oxide and sodium carbonate as promoters of the reaction.

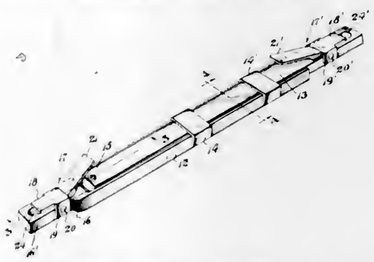
2,276,599
FOOTBALL GAME APPARATUS
Henry A. Tassano, San Francisco, Calif.
Application April 28, 1941, Serial No. 390,764
5 Claims. (Cl. 273—94)

1. In a game apparatus of the character having a rectangular playing board adapted to be placed between two players and provided with a transversely extending central portion defining a playing field, the combination of a play indicating chart extending along each side of said transversely extending central portion and adapted to be used by the corresponding player, said play indicating charts having similar play indicating indicia arranged thereupon asymmetrically with respect to each other, a supporting means at one end of said transversely extending central portion, and a member slidably mounted upon said supporting means having a pointer at each end adapted to cooperate with said play indicating indicia and simultaneously indicate corresponding plays upon each of said indicating



charts, whereby each of the players will be apprised of the play of his opponent by the position of the corresponding one of said pointers upon his particular play indicating chart.

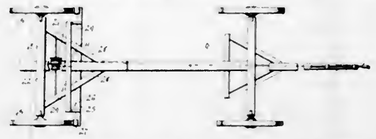
2,276,600
LIFTING AND CARRYING TOOL
Millard F. Thorn, Nevada, Tex.
Application August 5, 1941, Serial No. 405,537
3 Claims. (Cl. 294—104)



1. A tool for lifting and carrying cylinder heads and the like having spaced studs projecting therefrom, comprising a pair of rigid bars one of which is channel-shaped in cross section and the other of which is solid and telescopes into said channel bar, each of said bars having a hole formed through the outer end thereof for insertion over a stud, a latch adjacent each of said holes having lugs straddling the bar and pivoted thereto whereby the latch is rockably mounted on the bar, the outer end of the latch being formed with a jaw extending within the projected diametral area of the hole and the inner end of the latch being bent upwardly away from the bar, and a leaf spring secured to the underside of the latch and operating to urge the jaw to stud-gripping position.

2,276,601
WAGON BRAKE ASSEMBLY
Thomas Rolf Turner, Kelowna, British Columbia, Canada
Application March 24, 1941, Serial No. 384,900
3 Claims. (Cl. 188—115)

1. A brake assembly for wagons, trailers and the like comprising in combination, a pair of brake-shoes, a pole or draw-bar, a pair of adjacent drums, a cable anchored at one end thereof to one of said drums and at the other end thereof to said pole or draw-bar, and a chain or cable anchored at one end thereof to the other

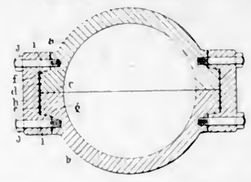


of said drums and at the other end thereof to said brake-shoes, said drums being mounted upon a common shaft said drums being normally connected for rotation together but being separable for the purpose of varying the length of cable to be wound on said first mentioned drum in the adjustment of the reach of said wagon or trailer.

2,276,602
PROCESS OF DYEING AND THE PRODUCTS THUS OBTAINED
Jürgen von Klenck, Frankfort-on-the Main, Hochst, and Josef Nüsslein, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 27, 1939, Serial No. 286,868. In Germany August 3, 1938
7 Claims. (Cl. 8—54)

1. The process which comprises dyeing fibrous materials containing amino groups with acid dyestuffs obtained by reacting plastic materials containing amino groups, at an elevated temperature and in the presence of an acid-binding agent, with organic compounds containing chromophoric groups, water-solubilizing acid groups and acid radicals the acid radicals being capable of splitting off acid by reaction with the hydrogen atoms of the amino groups of the plastic material and splitting off only said acid radicals by the reaction.

2,276,693
BUTT-JOINTING DEVICE
Daniel Charles Percy Willis, Newcastle-on-Tyne, England, assignor to C. A. Parsons & Company, Limited, Newcastle-on-Tyne, England
Application October 14, 1939, Serial No. 299,435
In Great Britain November 4, 1938
5 Claims. (Cl. 189—36)



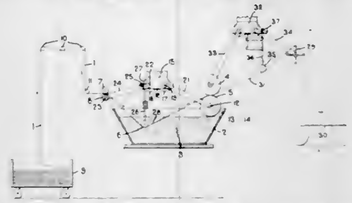
1. A jointing device for butting surfaces of flanges comprising at least one rigid clamp member having tapered jaws for co-acting with similarly tapered surfaces on said flanges, said clamp members straddling said butting surfaces and screw tightening means disposed on opposite sides of said butting surfaces respectively and operating between clamp member and flange at each end of said clamp member to effect sliding of said tapered jaws over the co-acting tapered surfaces on said flanges.

2,276,604
WRIST WATCH BRACELET
Arthur W. Wood, Miami, Fla.
Application June 25, 1941, Serial No. 399,692
2 Claims. (Cl. 24—201)



2. In a wrist watch bracelet of the character described including a pair of straps adapted for attaching to a watch, means for detachably connecting the free ends of said straps, said means including a female member comprising an outturned hook on its free end, said female member further having a longitudinal slot therein adjacent the hook and still further having a socket in its inner face adjacent the slot, a male member on the other strap, said male member including an inturned hook on its free end for interlocking engagement with the first-named hook, a tongue of reduced width on the male member engageable in the slot, and an outturned hook on the free end of said tongue engageable in the socket.

2,276,605
MEANS FOR SHRINKING CLOTH
Bernard R. Andrews, Braintree, Mass.
Application April 6, 1939, Serial No. 266,256
10 Claims. (Cl. 68—22)

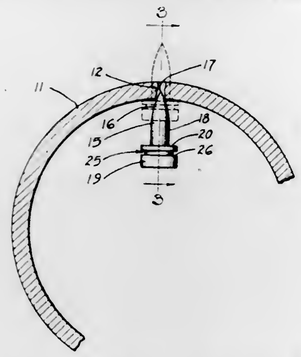


4. Means for shrinking cloth comprising: a tank containing cloth-wetting liquid, cloth-feeding means to feed unshrunk cloth thereto, cloth delivery means to deliver wet and wet-shrunk cloth therefrom, a light tension roll submerged in the liquid in the tank and resting on the cloth between the feeding means and the delivery means, whereby the cloth passes through the liquid as it travels around said tension roll, and means responsive to a rising or falling movement of the tension roll to vary the cloth-advancing speed of the feeding means relative to that of the delivery means.

2,276,606
REPAIR PLUG
August Baerenklau, Queens Village, N. Y.
Application August 26, 1940, Serial No. 354,331
1 Claim. (Cl. 138—97)

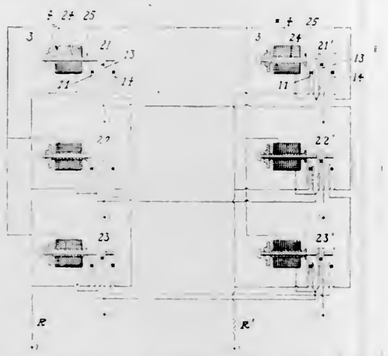
A substantially non-deformable, one-piece repair plug of case hardened steel or the like for repairing boiler tube leaks, comprising a substantially conoidal body terminating at one end in a point, an enlarged head on the end of said body remote from said point and forming a shoulder with said body, and an annular ledge around the perimeter of said head, said ledge having a face substantially normal to the plug axis, said plug being adapted to be driven home

by pressure applied straightforwardly until a portion of the outer surface of said body is in secure force fit sealing engagement with the



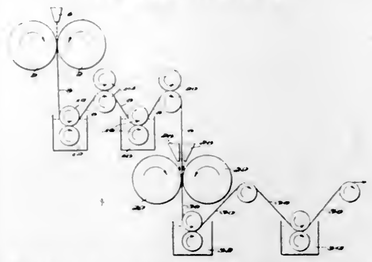
walls of said leak hole, said ledge face serving as means whereby purchase on said plug may be had for the purpose of extricating it from said hole.

2,276,607
REMOTE CONTROL
William A. Bruno, Astoria, Long Island, N. Y., assignor, by mesne assignments, to Bruno Patents Inc., Long Island City, N. Y., a corporation of New York
Application February 7, 1941, Serial No. 377,858
13 Claims. (Cl. 175—320)



2. In a system of coordinated control devices for local and remote operation of electric circuits, said control devices being provided with depressible members and adapted to be electrically connected in a circuit, means for supplying current to said circuit, means for interrupting the flow of current in said circuit and resetting any previously set up combination in said devices, prior to the actuation of a selected setting, upon depressing one of the depressible members in one of said devices, means for actuating the depressible members corresponding to said depressed member of the coordinated devices by the electromagnetic action of a full current, and means for retaining said depressible members in their operative position by the electromagnetic action of a reduced current, upon relieving the manual pressure exerted on said depressible member in one of said devices.

2,276,608
PRODUCTION OF WOVEN FABRICS
Günther Bügge, Neu-Isenburg, Germany
Application August 3, 1939, Serial No. 288,240
In Germany June 19, 1937
16 Claims. (Cl. 18—8)



8. Apparatus for producing woven fabrics from artificial plastic material, comprising cooperating elements having surfaces having mating parallel grooves therein and partial grooves with the ends of each partial groove of one surface opposite the other end of a partial groove of the other surface and with the portion of each partial groove which crosses one of the parallel grooves deeper than the paraliel groove at the point of crossing.

2,276,609
UNIFORM
Esther Cadous, Brooklyn, N. Y.
Application November 19, 1940, Serial No. 366,220
3 Claims. (Cl. 2—74)



3. A garment comprising connected front and back waist portions extending over the shoulders and body conforming restraining portions at the waist line, a back panel of one-way stretch elastic fabric arranged to stretch vertically, said back panel extending from the belt entirely across the back and having wings extending upwardly to the armholes of the garment, the upper edge of said back panel being substantially V-shaped whereby the back panel is of substantially the same width throughout, sleeves secured to the front and back waist portions at said armholes, and an elastic panel in each of said sleeves, said last elastic panels being made of one-way stretch material arranged to stretch vertically when the arm is extended outwardly and being positioned at the lower rear portion of the sleeve when the arm is thus extended, said last panels being attached to the back elastic panel at said armholes whereby a continuous vertical stretch is provided

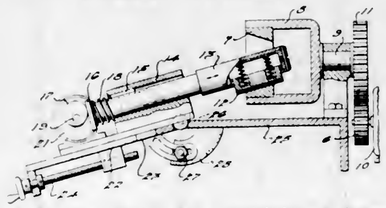
between the shoulders and the belt to permit the garment to accommodate itself to various body positions.

2,276,610
HYPODERMIC SYRINGE
Charles Abraham Clerici, Nashville, Tenn., assignor to Eisele & Co., Nashville, Tenn., a corporation of Delaware
Application August 14, 1940, Serial No. 352,492
2 Claims. (Cl. 51—283)



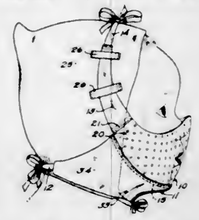
2. The method of forming, upon a hypodermic syringe tip, a gradual zone of mergence of considerable width between the ground and unground areas of said tip which comprises the application to said tip of a grinding member charged with a suitable abrasive material and having a tapered internal surface of such form and dimension that upon completion of the grinding operation a portion of said internal surface will overlie and gradually diverge from, at a very small angle, the unground portion of said tip, said angle of divergence being of such order that a gradually decreasing proportion of the abrasive material will be of sufficient size to span the gap between the two surfaces and be effective as a grinding agent.

2,276,611
HONING DEVICE
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application May 5, 1939, Serial No. 271,849
3 Claims. (Cl. 51—67)



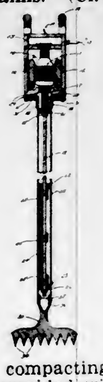
2. A honing device for machining a tapered surface including, in combination, a base, a support for a workpiece on said base, means for rotating said support, a honing tool, an angularly adjustable support for said honing tool for positioning the slope thereof relative to the tapered surface of the workpiece, a table on said support on which the honing tool is mounted for movement toward and away from said work support, means on said table for reciprocating said tool, a honing stone in said honing tool, and means for urging said honing stone outwardly of said tool against the surface of the workpiece to be honed.

2,276,612
FACE GUARD FOR INFANTS
Miriam S. Ellis, Los Angeles, Calif.
Application August 11, 1941, Serial No. 406,315
3 Claims. (Cl. 128—146)



1. A face guard for infants comprising a mask piece formed of a flat thin transparent sheet of material which is freely laterally pliable, substantially, non-resilient, and substantially non-absorptive and non-adsorptive of body fluids, the mask piece being perforated and having substantially the outline shape of a crescent with its concave edge upward, and being of such dimensions that when applied in flexed conformation to the face its medial wider portion overlies the mouth and nostrils with its lower edge at about the level of the chin and its narrow cusp ends lie approximately against the upper cheek surfaces, flexible means applicable to the head and attached to the cusp ends to support the mask piece, and a chin-and-neck piece of flexible fabric attached to and along the lower convex edge of the mask piece and extending laterally to form means whereby the chin-and-neck piece may be drawn back under the chin and the lower margin of the mask piece be held against the chin.

2,276,613
APPARATUS FOR COMPACTING MATERIALS BY VIBRATION
Graham M. Gordon, Los Angeles, Calif., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif., a corporation of California
Application May 24, 1932, Serial No. 613,227
5 Claims. (Cl. 259—1)



1. A vibratory compacting device comprising a motor housing provided with handles, a motor in the housing, a dynamically eccentric weight carried by a shaft, flexible means connecting said shaft to the shaft of the motor, a rigid tubular housing for said weight and its shaft, said tubular housing providing bearings for the weighted shaft and being vibrated by said unbalanced weight upon rotation thereof by the motor, said

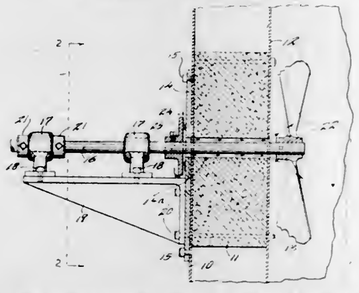
tubular housing provided with an outwardly extending flange on the end adjacent the motor, compressible gaskets on each side of said flange, and clamping means carried by the motor housing for flexibly securing the tubular housing to the motor housing by clamping said flange and gaskets thereto, whereby vibrations of said shaft and its housing are absorbed by the compressible gaskets and flexible means without being transmitted to the motor and handles.

2,276,614

COOLING DEVICE

Herbert L. Grapp, Minneapolis, Minn.

Application March 13, 1941, Serial No. 383,143
3 Claims. (Cl. 263—1)



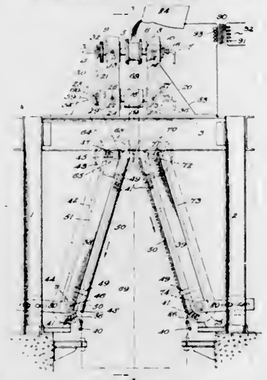
1. The combination with a heated chamber, a shaft extending through one wall thereof, said wall having a passage therethrough somewhat larger than said shaft, and means for drawing air into said chamber through said passage of a disk formed of metal having a high conductivity secured to said shaft closely adjacent said wall whereby heat from said chamber and shaft will be absorbed by said disk and air drawn into said passage by said means will wipe around said disk and cool the same.

2,276,615

PROCESS FOR MAKING THIN GLASS

Clarence W. Hazelett, Greenwich, Conn.

Application April 9, 1938, Serial No. 201,078
5 Claims. (Cl. 49—83.1)



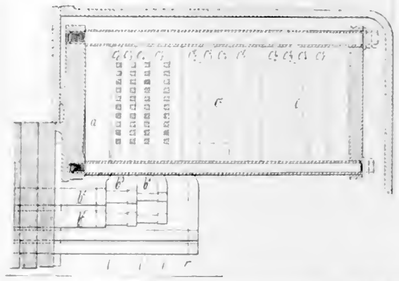
1. The process for producing flexible glass having a critically reduced thickness of not more than about 0.015 inch which comprises establishing a bath of molten glass having a temperature of about 1800° F. to about 2400° F. between a pair of adjacent and operatively associated rolls and contiguous to a bait, maintaining the temperature of said bath and the level of said bath substantially constant, drawing said bait and the glass attached thereto through the bight of said associated rolls to form a chilled element, drawing said bait and attached chilled element through the bight of a second pair of operatively associated rolls while the glass is still plastic, and subjecting said chilled element while the glass is still in a plastic condition to lateral stretching in directions normal to that of drawing until the width of said chilled element has been increased to a multiple of its original width and its thickness has been reduced to said critical thickness.

2,276,616

POLYPHASE ALTERNATING CURRENT DYNAMOELECTRIC MACHINE

William Douglass Horsley, Newcastle-on-Tyne, England, assignor to C. A. Parsons & Company, Limited, Newcastle-on-Tyne, England

Application October 25, 1940, Serial No. 362,753
In Great Britain November 21, 1939
4 Claims. (Cl. 171—206)



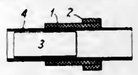
1. A polyphase A. C. dynamoelectric machine for very high voltage having the winding or windings of each phase divided into three or more sections, the first section of low potential end-connection conductors being disposed between the group of high potential conductors of the same phase and the group of the second section of low potential end-connection conductors of the adjacent phase.

2,276,617

TUNING ARRANGEMENT

Friedrich Kreienfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 10, 1939, Serial No. 303,715
In Germany October 5, 1938
1 Claim. (Cl. 250—40)



In a resonant circuit, a variable tuning instrumentality comprising an inductance winding provided with a core of substantially the same length as said winding, said core being adapted to be substantially completely inserted into said winding from one end thereof, means for extending the rectilinear portion of the characteristic curve of said resonant circuit relating the resonant frequency of the circuit to the displacement of the movable core within the winding comprising an auxiliary winding connected in series with said first named winding, the turns of both said windings being in the same direction, said auxiliary winding being superimposed upon a portion of the winding which is in the vicinity of the other end thereof.

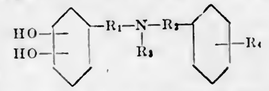
2,276,618

N-PHENYLALIPHATIC DIHYDROXYPHENYL-ALIPHATIC AMINES

Fritz Kulz, Frankfort-on-the-Main, Germany, assignor to the firm Tropon-Werke Dinklage & Co., Cologne-Mulheim, Germany

No Drawing. Application August 9, 1939, Serial No. 289,313. In Germany August 16, 1938
6 Claims. (Cl. 260—520.8)

1. An aliphatic aromatic amine of the formula



wherein R_1 and R_2 are hydrocarbon radicals selected from the group consisting of alkylene and unsaturated alkylene radicals, the total number of carbon atoms in such radicals being at least four, R_3 is selected from the group consisting of hydrogen and alkyl radicals, and R_4 is selected from the group consisting of hydrogen and alkyl radicals.

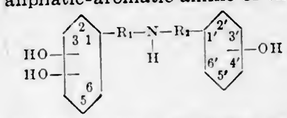
2,276,619

N-PHENYLALIPHATIC-DIHYDROXYPHENYL-ALIPHATIC AMINES

Fritz Kulz, Frankfort-on-the-Main, Germany, assignor to the firm Tropon-Werke Dinklage & Co., Cologne-Mulheim, Germany

No Drawing. Application August 9, 1939, Serial No. 289,314. In Germany August 16, 1938
5 Claims. (Cl. 260—570.8)

1. An aliphatic-aromatic amine of the formula



wherein R_1 and R_2 are hydrocarbon radicals selected from the group consisting of alkylene and unsaturated alkylene radicals, the total number of carbon atoms in such radicals being at least six.

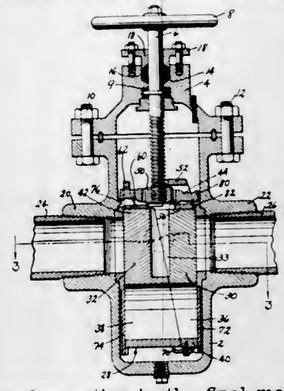
2,276,620

VALVE

George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application December 26, 1939, Serial No. 310,893
12 Claims. (Cl. 251—68)

1. A gate valve of the kind described, having a body member, inlet and outlet openings in said body member, a gate member having two wedge sections contacting on an inclined surface, operating means for applying initial force to either one or the other only of said wedge sections in accordance with the opening or closing movement of said gate valve for initiating the positive movement of one of said wedge sections in advance of the other, means for advancing the said wedge sections, one in advance of the other, through the main portion of the opening or closing movement of the gate member and means operative at substantially the end of the opening or closing movement of said gate member to accelerate the movement of the following wedge section while continuing movement of the leading section to provide a wedging action by the said following wedge section in the final movement of the gate member into open or closed position.



2,276,621

PREPARATION OF METHYL GLUCOSIDES

David P. Langlois, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

No Drawing. Application September 27, 1939, Serial No. 296,869
8 Claims. (Cl. 260—210)

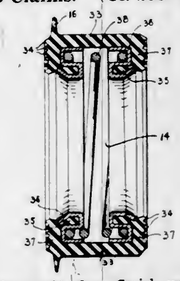
1. The process of forming a specific methyl glucoside, which comprises effecting a methyl glucoside reaction between a carbohydrate which will hydrolyze to glucose and methanol in contact with a mineral acid catalyst and a methyl glucoside product deficient in said specific methyl glucoside and cooling to product crystallization.

2,276,622

BEARING SEAL FOR ROTARY SHAFTS

James M. Leake, Toledo, Ohio

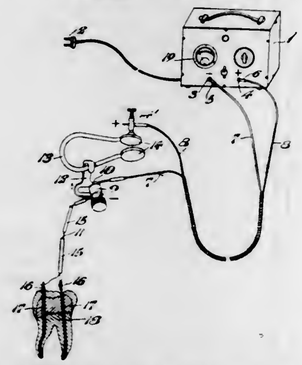
Application September 1, 1939, Serial No. 292,987
5 Claims. (Cl. 288—2)



1. A flexible unit for fluid pump seals comprising; an annular flexible channel shaped member with sides extending radially inwardly; annular beads integral with said annular channel shaped member and extending axially inwardly; annular members of S-shaped cross-section on the inner sides of said annular flexible channel shaped member; a compressible spring interposed between said annular members of S-shaped cross section for expanding said annular channel shaped member axially; said annular members of S-shaped cross section serving as an annular channel member for holding said com-

pressible spring in position and the inner portion extending partially around said annular bead for holding said annular bead in position; and a flexible flange integral with and extending radially outwardly from said annular flexible channel shaped member, said flexible flange adapted to center said flexible unit in housings of different sizes.

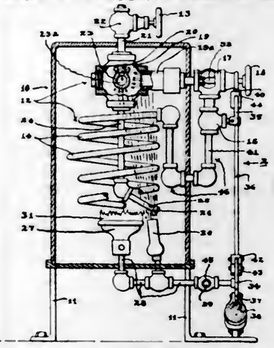
2,276,623
ELECTRICAL APPARATUS FOR DENTAL STERILIZATION
Benjamin William Meiman, Philadelphia, Pa.
Application April 26, 1938, Serial No. 204,278
2 Claims. (Cl. 32—15)



1. In an electrical, dental sterilizing apparatus of the class described, having means for transforming, rectifying and reducing an electrical current, and having two low current terminals, an electric circuit having in combination, a tooth electrode adapted for insertion into the canal or cavity of a tooth, within the mouth of a person, a substantially U-shaped, metallic and elastic, cheek electrode, having a bent bar body, with two convergent leg portions extending in the same direction, a pad portion on each of said leg portions, conductive of electricity, said pad portions being in juxtaposition, affording a spring-pressed, gripping action, to grip the cheek of said person between said pad portions, while being also positioned to have one of said pad portions inside said cheek, in contact with the moist inner surface thereof, and to have the other of said pad portions outside of said cheek, in contact with the outer surface thereof, with said bar body resting at the person's mouth, where it passes within the same, a wire conductor connecting one of said pad portions with one of said terminals, and a second wire conductor connecting said tooth electrode with the other of said terminals.

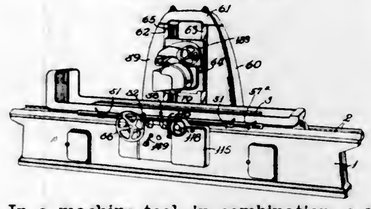
2,276,624
STEAM GENERATOR
Alta E. Oeltjen and Ira W. Ford, Los Angeles, Calif.
Application April 9, 1940, Serial No. 328,676
2 Claims. (Cl. 122—250)

2. A steam generator comprising: a heating coil; at least two burners for heating said coil; an expansion chamber disposed over, connected to, and communicating with, said heating coil; an extension of said expansion chamber extending downwardly within said heating coil; one of said burners being adapted to heat said heating coil, and the other of said burners being directed toward said heating coil and said expansion chamber adapted to supply a blast of flame long



enough to traverse said heating coil and terminate at said expansion chamber.

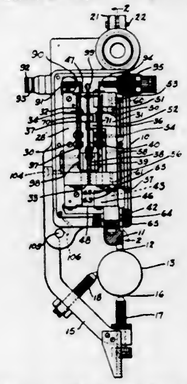
2,276,625
MACHINE TOOL
Henry F. Patrick, Rockford, Ill., assignor to Mattison Machine Works, Rockford, Ill., a corporation of Illinois
Application August 17, 1939, Serial No. 290,538
21 Claims. (Cl. 51—92)



1. In a machine tool, in combination, a movable machine element, a second movable machine element, a hydraulic motor for translating said first mentioned element, a source of motive fluid under pressure, means including a flow passage for directing fluid from said source to said motor, a drain passage, and a transmission control valve normally open to divert fluid from said flow passage to said drain passage, movable into closed position to interrupt communication between said passages, whereby to cause the pressure fluid to actuate said motor, and means automatically operable upon movement of said second element into a predetermined position of travel to move said control valve for an adjustable predetermined interval of time into closed position.

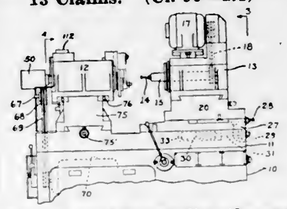
2,276,626
MEASURING INSTRUMENT
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, a corporation of Ohio
Application October 21, 1939, Serial No. 300,648
11 Claims. (Cl. 51—165)

1. A gage comprising a work-engaging element adapted to contact and be moved by the work, a support, means mounting said element on said support for reciprocatory movement towards and from the work position, a movable block, a pair of parallel spring blades fixed to said support and to said block and mounting said block for reciprocatory movement towards and from the work position, a movable arm having connections to said block and to the support and operated in accordance with the movements of said block, stop means positively limiting the movement of said block in one direction to limit the movement of said arm, and spring means inter-



connecting said block and said work-engaging element and normally holding portions thereof in abutting engagement and adapted to yield to provide continued movement of said element when the work moves said block against said stop means.

2,276,627
MACHINE TOOL
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors, by mesne assignments, to The Sheffield Corporation, a corporation of Ohio
Application October 21, 1939, Serial No. 300,650
13 Claims. (Cl. 90—1.4)



1. A machine tool for rounding the ends of gear teeth comprising a rotatable cutter, a support, a work supporting spindle rotatably mounted in said support, means carried by said support for rotating the spindle at uniform speed, and means in driving connection with said first-named means for moving the spindle perpendicularly to its axis in timed relation to its rotational movements.

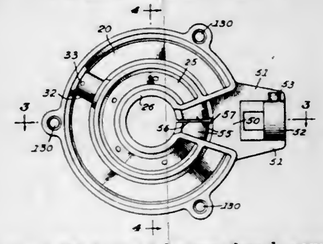
2,276,628
CONNECTOR
John Raymond Cuthbert Quilter, Woking, England
Application August 23, 1940, Serial No. 353,945
In Great Britain September 29, 1939
7 Claims. (Cl. 24—234)

4. A connector comprising two jaws, a hinge for relative opening and closing movement of said jaws, a stem extending from one of said jaws in a direction away from said hinge, a projection from the other of said jaws in a direction away from said hinge, a ferrule slidable along said stem, a cam element upon said other jaw and having an interlocking engagement with the stem when the jaws are closed, and a spring urging said ferrule towards said hinge, said cam element acting to shift said ferrule away from said hinge against the action of said spring dur-



ing the closing movement of said jaws, and said ferrule engaging with said projection to secure said jaws in closed position as it returns towards said hinge under the action of said spring.

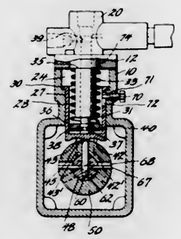
2,276,629
GAS BURNER CONSTRUCTION
Keith Rich, Chicago, Ill., assignor by direct and mesne assignments, of one-fourth to Philip S. Harper and one-fourth to Carolyn L. Harper, both of Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper Trust
Application June 9, 1938, Serial No. 212,669
1 Claim. (Cl. 158—116)



An integrally formed burner head, comprising an annular member having a top wall and inner and outer depending side walls, said inner side wall defining the central air space, a partition depending from said top wall and disposed between and spaced from said inner and outer side walls so as to form therewith two separate gas chambers, said gas chambers being annular and open at their bottoms for cooperative association with a double-chambered burner base, said outer wall having adjacent the top thereof a series of burner openings communicating with the outer of said gas chambers, and a series of burner openings adjacent the top of said inner side wall communicating with the inner of said gas chambers, said burner further having a pair of integrally formed and radially disposed walls provided with a stepped, horizontally disposed wall located therebetween at a height intermediate the upper and lower edges of said inner and outer walls, said stepped, horizontally disposed wall providing a closure for that portion of said burner chambers, respectively, located between said radially disposed walls, the stepped portion thereof which closes the outer of said gas chambers being above the stepped portion thereof which closes the inner of said gas cham-

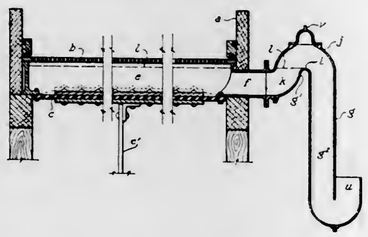
bers, and said inner stepped portion being provided with a gas escapement port communicating with the inner of said gas chambers.

2,276,630
FUEL INJECTION PUMP
Richard H. Sheppard, Hanover, Pa.
Application October 6, 1938, Serial No. 233,640
12 Claims. (Cl. 103—38)



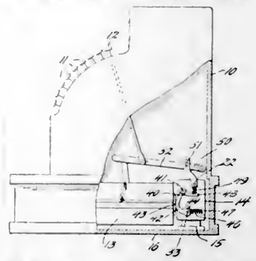
1. In combination, a fuel injection pump having a cylinder, a fuel intake port and a fuel outlet port, a plunger valve reciprocating in said cylinder to close the intake port and discharge the fuel through the outlet port, means for changing the effective stroke of said valve including a cam having a nose and rotatable about an axis parallel with said nose and a cam follower operating said plunger and having a face engaging the nose of said cam and having a concave cylindrical surface one edge of which terminates proximately the high point reached by the nose during the cam's rotation, the axis of rotation of the cam being parallel to the axis of the concave cylindrical face.

2,276,631
DISCHARGE ELEMENT OF FLAT SCREENS
Walter G. E. Smith, Portland, Oreg.
Application April 18, 1939, Serial No. 268,515
2 Claims. (Cl. 92—32)



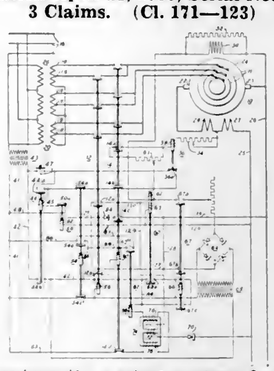
1. In a device of the kind described, having a flat screen and a diaphragm chamber, an outlet from the chamber, and a siphon having a short leg extending up connected to said outlet and a long leg extending down from the upper end of the short leg in a substantially U-bend, the lower wall of said U-bend forming a dam against the outflow of material from said chamber with the top of the dam being on a plane below the plane of the screen and above the plane of the top of the outlet the height of the dam being sufficient to normally maintain the level of the liquid in the chamber at a height below the bottom of the screen and at least about as high as a plane passing half-way between the top and bottom of the chamber.

2,276,632
CASH REGISTER BURGLAR ALARM
Francis C. W. Stelter and Anna Dorothy M. Stelter, New York, N. Y.
Application May 15, 1939, Serial No. 273,780
9 Claims. (Cl. 177—314)



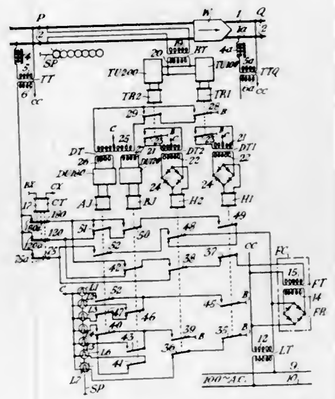
2. In a cash register burglar alarm system, in combination, a switch biased to closed-circuit position and constructed and arranged to be held open by the closed drawer of the cash register, a second switch normally biased to closed circuit position and arranged to be opened by a selected key on the cash register and means to connect said switches in series and with an alarm and source of current for the purpose described.

2,276,633
ROTARY CONVERTER CONTROL SYSTEM
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 201,937
3 Claims. (Cl. 171—123)



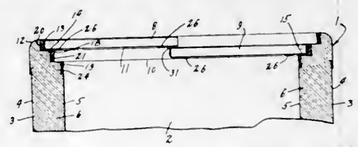
1. An automatic control system for a rotary converter comprising, means for connecting the armature of the converter to an alternating current source of reduced voltage for starting, control means for providing polarity ensuring excitation of the converter field winding during the starting period, additional means for connecting the armature to an alternating current source of normal running voltage upon the occurrence of predetermined conditions, polarity ensuring means operable after the connection of the armature to the normal voltage source responsive to a reversal of the polarity of the direct current terminals of the converter from a predetermined polarity, and circuit means including auxiliary contacts of said additional means connecting the polarity ensuring means to effect the immediate disconnection of the armature from the alternating current source upon the operation of said means.

2,276,634
RAILWAY TRAFFIC CONTROLLING APPARATUS
Herbert A. Wallace, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 7, 1941, Serial No. 377,815
12 Claims. (Cl. 246—34)



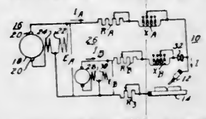
1. In combination with a stretch of railway track divided into two adjoining track sections each having the rails thereof supplied with alternating current of one frequency or another coded at one or another of a plurality of code rates, two track relays receiving current from the rails of one of said sections and selectively responsive one relay to current of one of said frequencies and the other relay to current of the other frequency, two code detecting relays one for each track relay, means responsive to a code operation of a track relay for energizing the associated code detecting relay, a plurality of code selecting relays each selectively responsive to a different one of said plurality of code rates, means governed by each of said track relays for energizing said code selecting relays, means selectively controlled by said detecting and selecting relays for governing traffic in said one section, and means also controlled by said code detecting relays for controlling the frequency of current supplied to the rails of the other of said sections.

2,276,635
LOW TEMPERATURE CABINET
Karl A. Weber, Los Angeles, Calif.
Application January 15, 1940, Serial No. 313,909
6 Claims. (Cl. 220—41)



1. A low temperature food cabinet having vertically extending walls, each of said walls being of heat insulating material and being formed at their upper end to provide vertically spaced steps, metal strips on said steps and forming tracks, overlapping doors positioned on said tracks, and breaker strips interposed between said metal tracks and insulating one from the other.

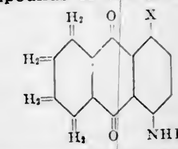
2,276,636
POWER SYSTEM
Alfred B. White, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1940, Serial No. 342,970
16 Claims. (Cl. 219—8)



10. The combination with a generator having predetermined load characteristics connected for supplying electrical energy to a load circuit, of an auxiliary source, and circuit means including a unidirectional current device so connected with the load circuit, generator and auxiliary source as to render the auxiliary source effective only when the voltage of the load circuit reaches a predetermined minimum voltage to increase the current output of the generator.

2,276,637
5,6,7,8-TETRAHYDROANTHRAQUINONE DERIVATIVES CONTAINING NITROGEN AND A PROCESS OF PREPARING THEM
Karl Zahn and Heinrich Koch, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application December 21, 1938, Serial No. 247,046. In Germany December 24, 1937
10 Claims. (Cl. 260—371)

6. The compounds of the general formula:



wherein X represents a member of the group consisting of hydroxy and the group NHR and wherein NHR represents the radical of a primary amine of the group consisting of alkylamines, hydroxy alkylamines, aralkylamines, cycloalkylamines, amines of the benzene series, the diphenyl series, and the naphthalene series, the partial hydrogenation products of such amines, and the sulfonation products of such of said amines and their partial hydrogenation products as contain an aryl nucleus.

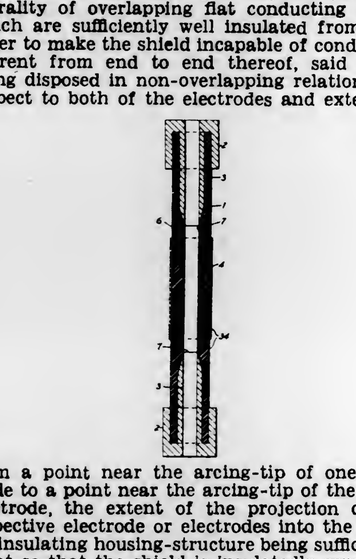
2,276,638
SHIELDED PROTECTOR TUBE
Otto Ackermann, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1939, Serial No. 270,814
3 Claims. (Cl. 175—30)

1. A shielded expulsion discharge tube comprising a tubular insulating housing-structure, two terminal electrodes at the opposite ends of the tube, respectively, at least one of said electrodes projecting into its end of said tubular insulating housing-structure and terminating at a point or points in contact with the bore of said tubular insulating housing-structure, at least one of said electrodes being vented to the outside of the tube, the internal discharge-space or spaces

between the two electrodes within the bore of the tubular insulating housing-structure including arc-responsive gas-evolving insulating material, a shield in contact with the outside surface of said tubular insulating housing-structure, said shield comprising a plurality of layers of a plurality of overlapping flat conducting bodies which are sufficiently well insulated from each other to make the shield incapable of conducting current from end to end thereof, said shield being disposed in non-overlapping relation with respect to both of the electrodes and extending

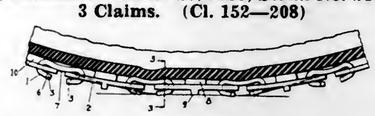
from a point near the arcing-tip of one electrode to a point near the arcing-tip of the other electrode, the extent of the projection of the respective electrode or electrodes into the tubular insulating housing-structure being sufficiently great so that the shield is insulatedly separated from both of said electrodes, externally of the tube, by creepage-distances the sum of which is greater than the effective spacing separating the arcing-tips of the electrodes within the bore of the tubular insulating housing-structure, and means for so supporting the tube that said shield is electrically insulated from ground.

2,276,639
VACUUM CONTROL SYSTEM
Otto Ackermann, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 3, 1940, Serial No. 333,121
2 Claims. (Cl. 250—27.5)



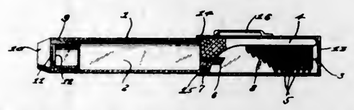
2. A gas-filled vessel for receiving a pressure responsive device, a flexible bellows receptacle containing a gas at a pressure exceeding that within said vessel, means providing a restricted leakage flow of gas from said receptacle into said vessel, said last named means including a conduit member connecting said vessel and said bellows receptacle together, and an adjustable member engaging said bellows receptacle and operable for adjusting the volume of the receptacle to vary the pressure of the gas therein and thereby control the rate of leakage of gas through said leakage means.

2,276,640
ANTISKID DEVICE
Harry R. Ansel, Cleveland, Ohio
Application December 27, 1938, Serial No. 247,803
3 Claims. (Cl. 152—208)



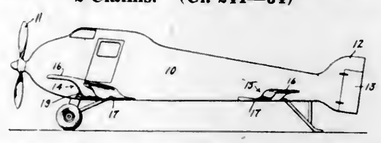
3. In combination a wheel tire provided with a circumferential groove, and an antiskid device carried thereby and comprising a plurality of chain links of resilient metal of generally elliptical form with one side concaved and an opening through the opposite side and retractile claws terminating their free ends, said links being disposed longitudinally circumferentially in said groove and members connecting said links in place about said tire, said members overlying said groove and being provided with ribs extending into said groove to maintain said antiskid device in position.

2,276,641
TOOTHBRUSH
Raymond A. Ball, Fort Wayne, Ind.
Application August 20, 1940, Serial No. 353,421
1 Claim. (Cl. 15—136)



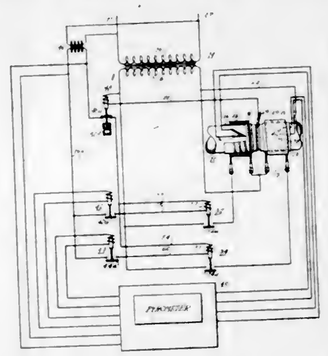
A fountain tooth brush comprising a tubular handle for the reception of a liquid dentifrice, said handle having a discharge duct in one end thereof, a head including bristles on said one end of the handle for receiving the dentifrice therefrom, a removable hollow closure plug threadedly mounted in the other end portion of the handle, a substantially frusto-conical collapsible bulb mounted on the plug and including a tubular stem extending into said plug, and an integral retaining flange on the inner end of the stem engaged with the end wall of the hollow plug for securing the bulb in position thereon, the periphery of said flange engaging the wall of the plug, said bulb constituting means for ejecting the dentifrice from the tubular handle.

2,276,642
AIRPLANE
Parrish Barker, Temple City, Calif.
Application August 2, 1939, Serial No. 287,975
2 Claims. (Cl. 244—34)



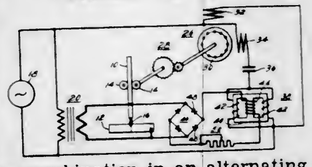
2. In combination with the fuselage of an airplane, a continuous dual main wing at each side of the fuselage intermediate the ends thereof, each wing comprising an upper aerofoil section having a convexly curved leading edge and a concavely curved trailing edge, a lower aerofoil section substantially parallel to the upper section having a concavely curved leading edge and a convexly curved trailing edge, said upper sections being superposed to said lower sections at the inner and outer end portions only and being so disposed with relation to said lower sections that the upper section on one side of the fuselage cooperates with the lower section on the opposite side to form a substantially S-like form in plan from wing tip to wing tip and the upper section on the other side cooperates with the lower section on the opposite side thereto to form a substantially reverse S-like form in plan from wing tip to wing tip, said upper and lower sections on said wings decreasing in width from the fuselage outwardly and being joined at their outer ends by a connecting section, said upper and lower sections being spaced apart a distance less than the average width of an individual aerofoil section; and a stabilizer mounted adjacent the tail end of the fuselage comprising a continuous dual wing at each side of the fuselage having the same form and construction on a smaller scale as said main wings except that the leading and trailing edges of the upper sections of the stabilizer wings are reversely curved to the corresponding edges of the upper sections of the main wing and except that the leading and trailing edges of the lower sections of the stabilizer wing are reversely curved with respect to the corresponding edges of the lower sections of the main wing.

2,276,643
SYSTEM FOR PREHEATING AND ANNEALING
Harry H. Bates, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1938, Serial No. 222,801
11 Claims. (Cl. 219—11)



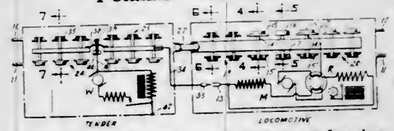
3. A system for preheating a member upon which a welding operation is to be performed comprising, a heating element disposed to be positioned about the member adjacent the zone of welding, means responsive to the temperature of the member adjacent the zone of welding effective to control the energization of the heating element from a source of electrical energy, and control means responsive to the commencement of a welding operation operable to render the said means ineffective during a welding operation.

2,276,644
WELDING SYSTEM
John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,705
7 Claims. (Cl. 219—8)



1. The combination in an alternating current control system for an alternating current motor operable to maintain a predetermined condition in a circuit and having one phase winding disposed to be connected to a substantially constant source of alternating current excitation, and an additional phase winding for the motor positioned in spacial phase relation to the said one winding, of means for providing a phase shift in the current of the additional phase winding with respect to the current in the said one phase winding in one sense, and variable reactance means connected in series circuit relation with the additional phase winding having a direct current control winding energized from the circuit to vary the phase angle of the current in said winding relative to the current in the said one phase winding in the opposite sense.

2,276,645
TOY RAILROAD
Joseph L. Bonanno, Maplewood, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application October 14, 1940, Serial No. 361,058
4 Claims. (Cl. 191—2)

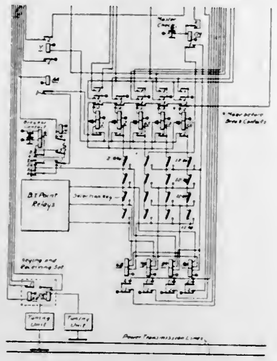


1. In a toy railroad, a track layout having two wheel bearing, current conducting rails of opposite polarity, a locomotive and a tender each having trucks provided with metal axles and wheels to fit said rails, all the wheels on one side of the locomotive being insulated from the axles and from the opposite wheels thereof so that said opposite wheels may be used as current collectors from a rail of one polarity, all the wheels on the tender which contact said rail being insulated from the axles and from the wheels opposite them so that said latter mentioned opposite wheels may act as current collectors for the rail of the other polarity, a propulsion motor carried by the locomotive and directly connected to the axles and to the current collecting wheels thereof, and a jumper connected from the opposite side of the propulsion motor to the axles and current collecting wheels of the tender.

2,276,646
SUPERVISORY CONTROL SYSTEM
Hans P. Boswau, Lorain, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1939, Serial No. 251,520
13 Claims. (Cl. 177—353)

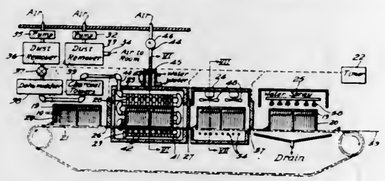
3. In a supervisory control system, a first sta-

tion, a second station, a signalling channel connecting said stations, apparatus units at the second station, means including transmitting and receiving relays at the stations for transmitting and receiving predetermined codes of impulses over the signalling channel, means responsive to said code impulses for controlling and indicating the operation of the apparatus units, manually operable means at the first station for controlling the operation of said relays to select and release an apparatus unit, indicating means at the



first station operable by said relays for indicating the position of the apparatus units, the selection code being determined by said manually operable means and the release code being determined by the condition of said indicating means, and means in the second station responsive to the release code for initiating the operation of the transmitting relays therein in case the condition of said indicating means does not agree with the actual position of the selected apparatus unit.

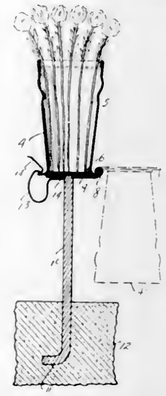
2,276,647
MANUFACTURE OF COPPER-OXIDE RECTIFIERS
Frank Conrad and Earl D. Wilson, Wilkinsburg, Carl C. Hein, Forest Hills, and Floyd T. Hague, Drexel Hill, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1938, Serial No. 247,198
28 Claims. (Cl. 175—366)



1. A method of preparing oxidized copper-electrode material for a copper-oxide rectifier, comprising heating the initially substantially unoxidized copper-electrode material to a suitable oxidizing temperature in an oxidizing chamber, conditioning air to remove solid particles and condensable vapors therefrom, furnishing a controlled supply of such conditioned air to said oxidizing chamber in a quantity more than sufficient to supply the oxygen required to suitably oxidize the surface of said electrode-material, and preheating said controlled supply of conditioned air to substantially said oxidizing temperature before admitting the same to the space occupied by the electrode-material being oxidized.

28. A method of preparing oxidized copper-electrode material for a copper-oxide rectifier, comprising cleaning a sheet of copper with one or more solutions of cleansing agents, subsequently rinsing it with distilled water, subsequently rerolling the treated sheet so as to slightly reduce its thickness, subsequently punching a plurality of blanks from said sheet, subsequently cleaning the blanks with one or more solutions of cleansing agents, then rinsing them with distilled water, then drying them, then oxidizing them.

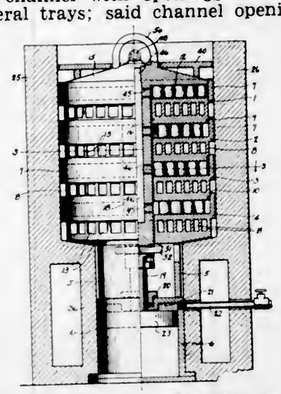
2,276,648
FLOWER HOLDING VASE
Charlie W. Fuller, Hanford, Calif.
Application March 18, 1940, Serial No. 324,542
1 Claim. (Cl. 47—41)



In a device of the character described comprising a fixed support, a flower holding receptacle hingedly connected to said support, and clamping means associated with said receptacle and said support for retaining said receptacle in an upright position, said clamping means including a spring member connected to said support and detachably secured to an extension of the receptacle.

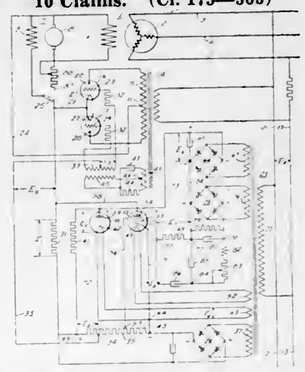
2,276,649
RETORT
Worth C. Goss, Seattle, Wash.
Application June 18, 1938, Serial No. 214,535
6 Claims. (Cl. 202—110)

6. In combination, a furnace and a retort removably disposed in the furnace for heat treatment of contained material; said retort comprising a plurality of separable trays arranged successively, one above the other, each adapted to contain a layer of material therein for distillation, and each of said trays having side walls and a base structure slidably fitted within the side walls of the next lower tray for compression of the material therein, and serving as an automatically adjustable closure for the prevention of the escape of distillate gases from the tray, a closure for the upper tray, a shaft extended from the closure, downwardly through the succession of trays, and means connected with the shaft for application of compressing forces to the material in the several trays while under heat treatment; said shaft being equipped with a longitudinal channel with openings therefrom into the several trays; said channel opening to the



exterior of the retort and equipped at its discharge end with a pressure control valve.

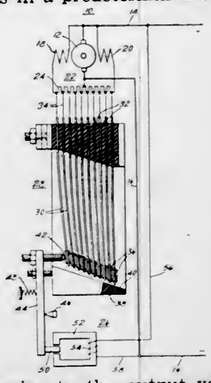
2,276,650
ELECTRONIC REGULATOR
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 7, 1937, Serial No. 135,483. Divided and this application June 23, 1939, Serial No. 280,685
10 Claims. (Cl. 175—363)



1. In a regulating system for controlling an electric characteristic of an alternating current power circuit, in combination, means including a grid controlled rectifier tube for supplying a unidirectional current from the power circuit, means for controlling the output of said rectifier tube for controlling said characteristic comprising a detector tube having an anode and a filament cathode sensitive to the said characteristic, a grid controlled amplifier tube governed thereby, and additional means sensitive to variations in the said characteristic for also influencing said amplifier tube.

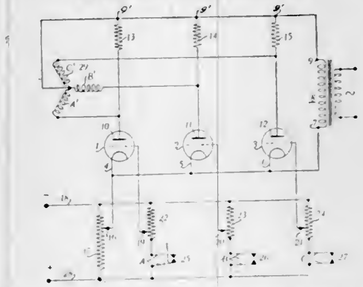
2,276,651
REGULATING SYSTEM
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1940, Serial No. 338,073
4 Claims. (Cl. 171—223)

1. In a regulating system, a generator, means for controlling the output voltage of the generator including two field windings connected in parallel circuit relation, a variable resistor having a plurality of resistor sections a number of which are disposed to be connected in series circuit relation with only one of the field windings in a predetermined sequence and the remainder of the sections being disposed to be connected in series circuit relation with only the other of the field windings in a predetermined sequence, and



means responsive to the output voltage of the generator for progressively varying the number of the resistor sections connected in circuit with the field windings, said means progressively varying the connections of the resistor sections associated with said one of the windings before the connections of the resistor sections associated with the other field windings are varied for controlling the energization of each field winding throughout its range of operation in a predetermined sequence.

2,276,652
ELECTRICAL TRANSMISSION SYSTEM
William George Harding, Whitton, and Robert Hayes Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 4, 1938, Serial No. 206,088
In Great Britain May 7, 1937
4 Claims. (Cl. 172—239)



1. In a positional control system having a controlling element and a controlled element, intermediate control means comprising a plurality of grid controlled gas discharge rectifier tubes having grid and plate circuits, an A. C. supply for said plate circuits, an independently adjustable source of potential connected to each of said grid circuits, contact means arranged to be actuated in definite sequence by said controlling element and connected to adjust said grid circuit poten-

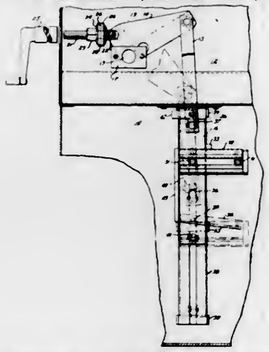
tials in a manner causing currents to flow in similar sequence in the respective plate circuits of said tubes, and a motor having a stator and a rotor, said rotor being connected to position said controlled element and one of said motor members having windings respectively connected to the plate circuits of said tubes to be energized by currents therein, the position assumed by said rotor being determined by the energized winding or windings.

2,276,653

METAL CLAD SWITCHGEAR

Benjamin I. Hayford, Wilkinsburg, and Arthur L. Fletcher, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1937, Serial No. 176,264
6 Claims. (Cl. 175—298)



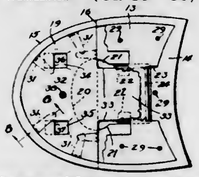
1. In switchgear apparatus, in combination, a cell structure, a circuit breaker unit disposed in the cell structure, supporting means secured to the breaker unit, vertically movable members disposed at each side of the cell structure, guide members for said vertically movable members, means carried by said vertically movable members for engaging said circuit breaker supporting means, crank arms for raising and lowering said vertically movable members, means for actuating said crank arms, and links for connecting the crank arms to the vertically movable members, said links having elongated openings therein to provide lost motion between the links and the vertically movable members.

2,276,654

DETACHABLE HEEL

Frederick A. W. Kelley, Providence, R. I., assignor of one-half to Robert Penington, Jr., Providence, R. I.

Application March 12, 1941, Serial No. 382,881
5 Claims. (Cl. 36—36)



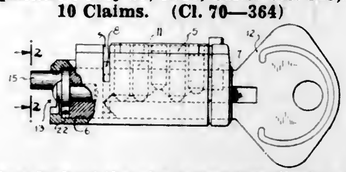
1. An interchangeable rear heel portion and a fixed front heel portion in combination with an outer sole of a shoe, a plate interposed between the said front heel portion and said outer sole, the said plate being attached to the said outer sole at its rear portion by means of nails passing through said plate into said outer sole, the front portion of said plate and said front heel portion being attached to said outer sole by means of nails passing through said front of said plate and said heel portion into said outer sole, slide ways located in said plate inside of said front heel portion, tongues located in the rear portion of said plate, a rear heel portion plate attached to said rear heel portion having a front tongue engaging in the said slide ways of said front heel portion plate and slots engaging said tongues, means for locking said rear heel portion and rear heel portion plate to said outer sole.

2,276,655

LOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 29, 1940, Serial No. 348,111
10 Claims. (Cl. 70—364)



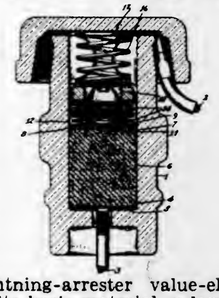
1. In a lock of the character described: a bored casing having an end wall partially closing the inner end of the bore, said end wall having a non-circular opening; a lock cylinder rotatable in the bore; a segment-like projection on the inner end of the cylinder; and a crank-like driving cam assembled between the inner end of the cylinder and said end wall of the casing, said driving cam having a part engageable by the segment-like projection to provide a lost motion driving connection between the cylinder and the cam and being engageable with edge portions of the hole to define the limits of rotation of the cylinder.

2,276,656

LIGHTNING-ARRESTER MATERIAL AND METHOD OF SELECTING THE SAME

Frederick B. Johnson, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 26, 1940, Serial No. 315,704
14 Claims. (Cl. 201—72)



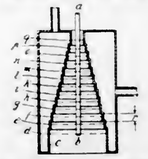
1. A lightning-arrester value-element comprising, as its basic material, a large number of M-mesh, semi-conducting, substantially contacting particles in the size-range where M is not less than 40, characterized by said particles having electric-discharge characteristics corresponding to a crest-voltage of V volts per inch when a cylindrical column of such particles, loosely packed, under a total pressure of approximately 500 pounds, and with a cylinder-diameter of approximately 2¼ inches, is discharging a surge having a crest-magnitude of 1500 amperes and a wave-shape such as to rise to crest-value in approximately 10 micro-seconds and to decay to one half of the crest-value in approximately 10 additional micro-seconds, where V is less than (200+50 M) in the range from 40-mesh to 110-mesh, and less than 5700 volts when M is larger than 110.

2,276,657

CONTINUOUS CASTING PROCESS

Siegfried Junghans, Stuttgart, Germany, assignor to Irving Rossi, New York, N. Y.

Application February 18, 1939, Serial No. 257,222
In Germany February 18, 1938
10 Claims. (Cl. 22—200)



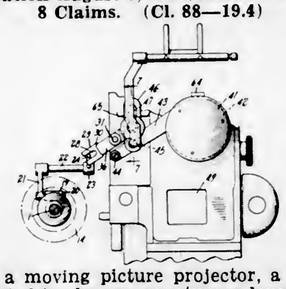
1. A mold for continuous string casting, comprising an open ended casting mold having its inner wall enclosing a hollow chamber decreasing materially in size from the bottom to the top, and a tube extending into the mold to convey the metal therein and being movable in the direction of the axis of the mold in relation to the mold.

2,276,658

SHUTTER CONTROL MECHANISM FOR MOVING PICTURE PROJECTORS

Albert Kindelmann, Floral Park, and Ewald Boecking, Great Kills, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware

Application August 5, 1938, Serial No. 223,195
8 Claims. (Cl. 88—19.4)



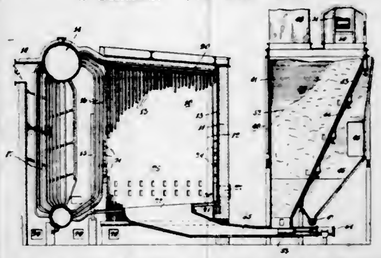
1. In a moving picture projector, a fire shutter adapted to close an aperture, a lever to which said shutter is secured, a link pivoted to said lever, said link being provided with a slot having an enlarged opening, a shaft having a normal operating speed, a speed responsive lever, means to operate said speed responsive lever by any variation in the speed of said shaft, a pin having a shank slidable in said slot and having a head larger than said slot but adapted to be projected into said opening, said pin being slidably mounted in said speed responsive lever, a film controlled lever to push the pin so as to disengage the head from the opening and allow the shutter to drop to close said aperture when film piles up beneath said lever, the pin sliding down said slot when the shutter is dropped, said film controlled lever being of such a length and so positioned as to overlie said pin in all positions of said pin and means including said speed responsive lever to reset the head in the opening.

2,276,659

WET REFUSE FURNACE AND SYSTEM

Henry Kreisinger, Piermont, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.

Application February 13, 1939, Serial No. 256,150
2 Claims. (Cl. 122—371)



2. In a furnace for burning wet refuse fuel such as wet wood chips, blocks, shavings and the like; a grate within the furnace for supporting the fuel comprising: spaced fluid circulating tubes, some of said tubes being so formed and arranged as to provide one or more openings in the grate through which the fuel to be burned thereon may be fed from therebeneath so that the fuel deposited on the grate forms one or more generally conically shaped piles; spaced metallic blocks forming a fuel supporting surface and arranged to provide narrow apertures through which air may be forced from below the grate through the latter and the body of fuel thereon, said blocks being loosely mounted on the tubes and having under surfaces conforming substantially to the contour thereof so as to be rockable thereon; means for feeding the fuel underneath said grate and through said openings therein to the supporting surfaces of said blocks; means for supplying air under pressure to the under side of said grate to pass through said apertures into the fuel on the grate and into said furnace; a member depending from each block and into the space beneath the grate; and means interconnecting a plurality of said members and operable to rock the related blocks on the associated tubes for dumping ashes on the block surfaces through said apertures.

2,276,660

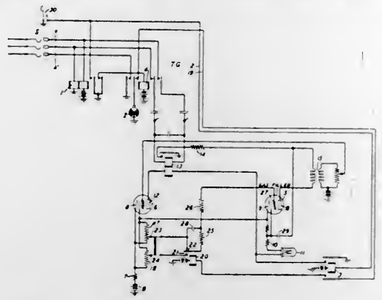
TONE GENERATOR

Myron E. Krom, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 1, 1940, Serial No. 349,117
8 Claims. (Cl. 179—84)

1. In a tone generator, a gas-filled discharge device having an anode, a cathode and a control electrode, an energizing circuit including a source of direct current and an oscillating circuit including a condenser connected in parallel across said anode and cathode, first and second sources of control potential of different voltage having their positive terminals connected to said cathode, a second condenser, a high resistance, a circuit serially including said condenser and connecting the negative pole of the higher voltage source to said control electrode, and means for

alternately and periodically connecting said resistance between said control electrode and the



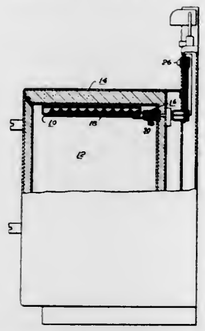
negative poles of said two control potential sources.

2,276,661

OVEN HEATING UNIT

Edwin H. Lockwood, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 8, 1940, Serial No. 334,091
3 Claims. (Cl. 219—35)



1. In combination, a thermostat and a heating unit for a range oven, comprising a rack-like supporting structure and a heating element insulatedly attached thereto, adapted to cooperate with said thermostat, the thermal responsive element thereof extending into the oven, said unit having a rearwardly extending portion for fitting about the thermal responsive element comprising two arms attached to the supporting structure, a yoke member joining the free ends of such arms, and a portion of the heating element insulatedly attached to the arms and yoke for supplementally heating the thermal responsive element.

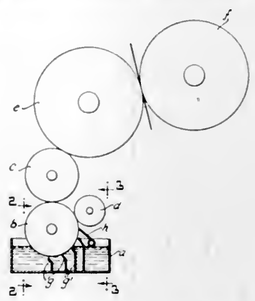
2,276,662

INKING MECHANISM FOR PRINTING MACHINES

Walter Matuschke, Berlin, Germany

Continuation of application Serial No. 259,890, March 4, 1939. This application July 22, 1939, Serial No. 285,889. In Great Britain and Germany March 2, 1938
3 Claims. (Cl. 101—363)

1. In or for a printing machine adapted to be used with thin fluid inks, an inking mechanism including, in combination, an ink trough, a rotatable fountain roller arranged during its rotation to dip into the ink, a second roller cooperating constantly with the fountain roller to control the amount of ink passed along for use in printing, said fountain roller being adapted as



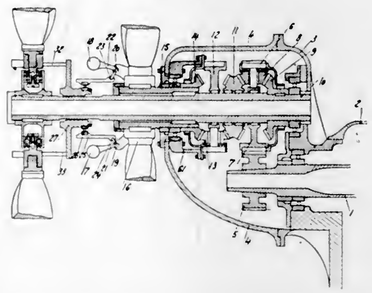
it rotates to carry along to said second roller an even supply of ink from the ink trough, and baffling means including a plurality of walls arranged in the ink trough parallel with the axis of the fountain roller, and each having one of its edges in slightly spaced relation with the cylindrical surface of the roller.

2,276,663

AIRSCREW SYSTEM

Pierre Ernest Mercier, Neuilly-sur-Seine, France

Application October 28, 1938, Serial No. 237,479
In France June 8, 1938
2 Claims. (Cl. 170—135.6)



1. An airscrew system, comprising two airscrews mounted on coaxial shafts, a differential comprising two driven wheels and a satellite gear train, one of the said driven wheels having means for operatively connecting the same to transmit the driving movement to the shaft of one of the airscrews, the second driven wheel having means for operatively connecting the latter to transmit the driving movement to the shaft of the second airscrew, means for reversing the movement of the second shaft so that the airscrews rotate in opposite directions, elastic means interposed between the reversing means and a stationary part of the aircraft for the purpose of balancing the reaction couple of the reversing means, said elastic means comprising torsion bars fixed on the casing, rigid pinions fixedly mounted on said torsion bars, a cage and pinions mounted on said cage and provided with teeth meshing with said rigid pinions, and means for driving the said satellite gear train by means of the engine of the aircraft, said last mentioned means comprising a drive shaft with the axis thereof independent of that of the coaxial driven shafts, and gears connecting said drive shaft with said coaxial driven shafts.

2,276,664

MANUFACTURE OF 4-AMINOBENZENE-SULPHONAMIDE

Fritz Mietzsch, Robert Behnisch, and Josef Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 18, 1939, Serial No. 262,780. In Germany March 25, 1938
7 Claims. (Cl. 260—397.7)

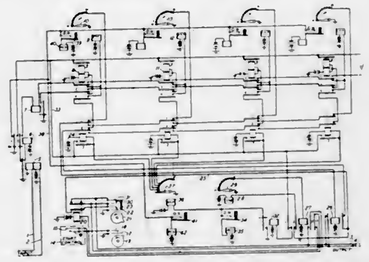
1. The process which comprises treating the crude reaction product, produced by reacting an acylanilide, the acyl radical of which is derived from a carboxylic acid, with chlorosulphonic acid and the para-acylamino-benzenesulphochloride formed with ammonia, with an aqueous alkali metal hydroxide solution, filtering off the undissolved components, precipitating the para-acylamino-benzenesulphonamide from the filtrate by decreasing its alkalinity and splitting off the acyl group from the 4-acylamino-benzenesulphonamide obtained by saponification.

2,276,665

PULSE REGENERATOR

Marcellus B. McDavitt, Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 25, 1940, Serial No. 362,807
3 Claims. (Cl. 177—380)



1. Means for regenerating trains of impulses, comprising a plurality of steppers each arranged to complete a cycle of operations on a predetermined number of steps, each said stepper being responsive to the impulses of a different train of impulses, a common stepper arranged to complete a cycle of operations on the same predetermined number of steps as said individual steppers, means for associating said common stepper with each of said individual steppers in turn, means thereupon operative under control of the associated individual stepper to step in unison said common stepper and the individual stepper with which said common stepper is at that time associated a number of steps equal to the difference between said predetermined number and the number of impulses in the train to which said individual stepper has responded, leaving said common stepper a number of remaining steps to take equal to the number of impulses in the train to which said individual stepper has responded, and means under control of said common stepper for transmitting an outgoing impulse for each of said remaining steps taken by said common stepper.

2,276,666

α-CHLORO - β - ALKOXY-BUTYRALDEHYDES AND PROCESS OF PREPARING THEM

Walter Ostrowski and Otto Nicodemus, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 3, 1939, Serial No. 271,514. In Germany May 9, 1938
13 Claims. (Cl. 260—602)

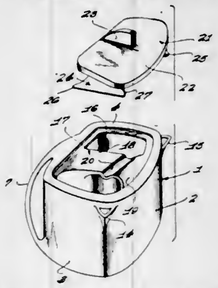
1. The process of preparing α-chloro-β-alkoxy butyraldehyde which comprises causing a lower saturated aliphatic primary alcohol to act upon α-chlorocrotonic aldehyde in a solution of an alkaline compound of an alkali metal at a temperature lower than about +10° C.

2,276,667

TEAPOT

Oscar Ottoson, Bronx, N. Y.

Application May 23, 1940, Serial No. 336,837
2 Claims. (Cl. 53—3)



1. A tea pot including a body having side walls, a front wall and a rear wall, pouring spouts carried by the body and communicating with the interior thereof, a partition carried by the body and defining a pair of compartments within the body, said compartments being of substantially inverted L shape, and a top wall carried by the partition and the front and rear walls of the body, said top wall defining baffles covering portions of each of said compartments for preventing accidental flow of liquid from one compartment to the other when the pot is tilted ordinarily during a pouring operation, said top wall having a trough formed therein and communicating between the compartments for permitting flow of liquid from one compartment to the other upon lateral tilting of the pot.

2,276,668

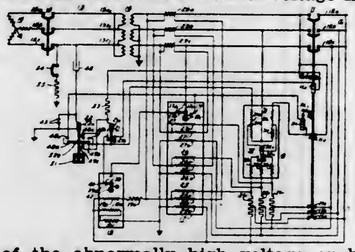
NETWORK DISTRIBUTION SYSTEM

John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 30, 1939, Serial No. 264,931
17 Claims. (Cl. 175—294)

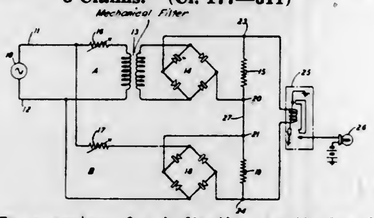
1. In an alternating-current network distribution system, a feeder circuit having a plurality of conductors, a network circuit, a transformer having its primary windings energized from the feeder circuit lines and its secondary windings arranged to be connected to the network circuit, a network circuit breaker for connecting the secondary windings of the transformer to the network, means controlled according to the voltage between one of the feeder circuit conductors and ground and effective to cause opening of the

circuit breaker whenever the controlling voltage exceeds a certain abnormal high voltage or reduces below a certain abnormal low voltage, means for inhibiting the operative response of the last said means to a control voltage in ex-



cess of the abnormally high voltage or below said abnormally low voltage to delay the opening of the circuit breaker for at least a certain predetermined time, and means responsive to the direction of power flow through said circuit breaker for tripping said circuit breaker.

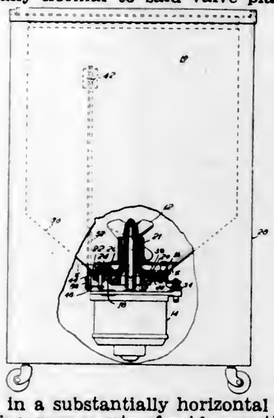
2,276,669
FREQUENCY INDICATOR
George A. Pullis, Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1940, Serial No. 372,211
8 Claims. (Cl. 177—311)



1. In a system for indicating particular frequencies above and below a predetermined frequency, a source of current having the predetermined frequency as its normal frequency, a pair of channels fed from said source and each terminating in a resistance element, means included in each channel for subjecting said resistances to direct current voltages, means for adjusting the voltages across said resistances so as to provide a voltage across one of said resistances of a greater value than the voltage across the other resistance when the frequency of said source is the predetermined frequency, means for introducing a loss in one of said channels when the frequency of said source is a particular frequency above or below the predetermined frequency, equal to the difference between the voltages across said resistances, a meter, and means for connecting said meter to said resistances so as to subject it to the difference in voltage between the voltages across said resistances.

2,276,670
DISHWASHER VALVE
Joseph H. Reifenberg and Lewis J. Greenawalt, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1940, Serial No. 319,082
2 Claims. (Cl. 137—21)

1. A dishwasher casing, a valve disposed at the lower end thereof, an operating member mounted on a vertical wall of said casing for up and down movement, said valve including a substantially horizontal valve seat, a valve plate rotatably mounted thereon, a rotatable shaft mounted substantially normal to said valve plate, means

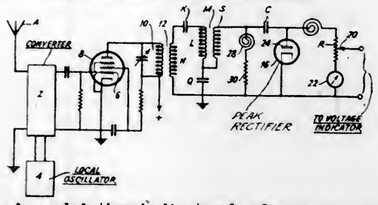


operating in a substantially horizontal plane for transmitting movements of said operating member to said shaft, and link means joining the shaft and valve together for transferring the movements of said shaft tangentially to said valve plate.

2,276,671
MOLDING IRON AND STEEL
Mahlon J. Rentschler and Charles H. Van Dusen, Jr., Willoughby Ohio
No Drawing. Application January 29, 1940, Serial No. 316,210
3 Claims. (Cl. 22—147)

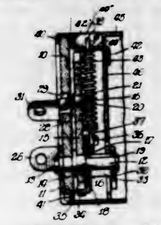
2. A composition of matter suitable for insulating and blanketing molten metal in reservoirs for molds and applicable directly to the top of the molten metal, the said composition comprising a finely divided mixture of carbon and argillaceous material from which substantially all volatile products have been expelled and which mixture will not sinter, whereby it will remain in contact with the top of the molten metal as the metal sinks in its reservoir.

2,276,672
FREQUENCY MODULATION INDICATOR
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1940, Serial No. 362,908
5 Claims. (Cl. 179—171.5)



1. A modulation indicator for frequency modulated transmission including, means for developing a voltage the amplitude of which is substantially zero at the carrier frequency and which increases substantially in proportion to the difference between the instantaneous frequency of the transmission, and the carrier frequency thereof, a peak rectifier in a circuit including impedance and capacity coupled to said means for rectifying said voltage, an indicator coupled to said rectifier for indicating the rectified voltage, the time constant of the circuit of the rectifier being greater than the longest period of the modulation, but short compared with variations in modulation level.

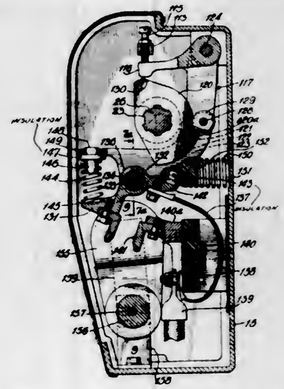
2,276,673
SWITCH CONSTRUCTION
Newton C. Schellenger, El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application April 27, 1939, Serial No. 270,280
8 Claims. (Cl. 200—67)



1. A switch comprising: a substantially circular flat base; a substantially cylindrical metal side wall extending up from the periphery of the base to coact therewith in the formation of a substantially cup-shaped enclosure, said side wall having an integral portion thereof indented a substantial distance into the enclosure directly over the adjacent face of the base with the bottom of said indentation having an opening providing a bearing lying between the axis of the cylindrical side wall and the periphery of the enclosure formed thereby; a toggle type snap switch mounted on the inner face of the base so as to be substantially within said enclosure; a spring for said snap switch; and a guiding pitman for the spring having the spring mounted thereon and having one end connected with the switch and its other end portion slidably journalled in the bearing provided by the opening in said indented portion of the side wall so as to be constrained to motion between defined limits in a plane substantially normal to the axis of the enclosure, the radial distance of said bearing for the pitman from the axis of the enclosure being so related to the length of the pitman and its extent of motion that the extremity of the slidably journalled end of the pitman is at all times maintained between the cylindrical periphery of the side wall and the bearing for the pitman.

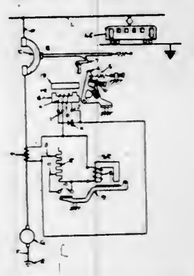
2,276,674
CONTROLLER
Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application March 26, 1938, Serial No. 198,206
5 Claims. (Cl. 200—165)

1. In a controller of the class described, a rotatable contact carrying arm comprising spaced plate portions, a contact supported on a pivot shaft mounted on the spaced plate portions of said contact carrying arm, an insulation sleeve for said pivot shaft insulating said contact from the plate portions of said contact carrying arm, a spring mounted between said arm and contact, insulation means between said spring and said contact carrying arm, limit means for limiting the rotation of said contact relatively to said arm by said spring and against which said contact is normally positioned when said contact is in open circuit position, said limit means comprising an insulation member whereby to insulate said contact from said arm, a cam for rotating said arm together with its contact until said contact makes an electric circuit with a stationary segment, further rotation of said arm by said cam acting to compress said spring to better hold said



contact against said segment while moving said limit means beyond said contact, a second spring for rotating the said contact carrying arm in a reverse direction when said cam is reversed, whereupon said limit means moves said contact away from said segment, and an extending arm formed on said contact carrying arm and engageable with said cam to move said arm and contact away from said segment should said second spring fail to do so.

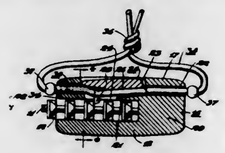
2,276,675
CIRCUIT BREAKER TRIPPING SYSTEM
William M. Scott, Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to I-T-E Circuit Breaker Company of Pennsylvania
Application August 11, 1938, Serial No. 224,286
27 Claims. (Cl. 175—294)



1. A tripping system for a circuit breaker comprising a series transformer whose primary is traversed by current through the circuit breaker, an electromagnetic device for effecting tripping of said circuit breaker energized from the secondary of said transformer, an impedance variable to modify the energization of said device from said secondary, and electromagnetic means energized from said transformer and having armature structure movable to vary said impedance so to vary the sensitivity of said elec-

tromagnetic device to changes in magnitude of said current as a function of the rate of change of said current.

2,276,676
AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS
Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application May 13, 1940, Serial No. 334,693
11 Claims. (Cl. 24—205.5)

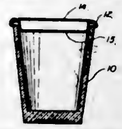


11. In a slide fastener, a slider body having a fastener member guide channel and a longitudinal locking member receiving recess spaced from said guide channel with a locking projection receiving opening extending inwardly from its lower end into said guide channel, a locking member supported within said longitudinal recess in all positions and movable pivotally about its upper end, said locking member having a locking projection at its lower end disposed in said opening and directed inwardly of said guide channel, biasing means comprising a bifurcated spring anchored to said slider body with its ends engaging and yieldingly urging the lower end of said locking member inwardly to project said locking projection into locking position in said guide channel, said slider body having a longitudinal pull member receiving bore extending therethrough and interrupted by said locking member receiving recess, said locking member having therein a longitudinal pull member receiving channel defining the unlocked position of said locking member when aligned substantially with said pull member receiving bore and a flexible cord-like pull member comprising a closed loop extending through said bore and said channel, said pull member being operative upon application thereto of tension shortening the portion of said pull member enclosed in said bore in said channel, to overbalance said spring member and align said pull member receiving channel with said pull member receiving bore for unlocking said slider by withdrawing said locking projection from said guide channel.

2,276,677
THERAPEUTICALLY ACTIVE PREPARATION
Hermann Vollmer, New York, N. Y., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Continuation of application Serial No. 299,973, October 18, 1939. This application April 8, 1941, Serial No. 387,445
6 Claims. (Cl. 167—67)

1. A therapeutically active, solid, uniform and stable preparation for the treatment of affections of the central nervous system, comprising the alkaloids hyoscyamine, atropine and scopolamine in assimilable stable form in such ratio that the hyoscyamine content of said preparation amounts to from 75.5 to 95.0 per cent, the atropine content to from 20.0 to 1.5 per cent, and the scopolamine content to from 5.0 to 0.5 per cent of the total alkaloid content of said preparation.

2,276,678
COMBINATION TOP AND MEDICINE CONTAINER FOR MEDICINE GLASSES
Louis W. Wheeler, Toronto, Ontario, Canada, assignor to Ingram & Bell, Limited, Toronto, County of York, Province of Ontario, Canada, a company of Canada
Application July 5, 1940, Serial No. 343,946
1 Claim. (Cl. 65—13)



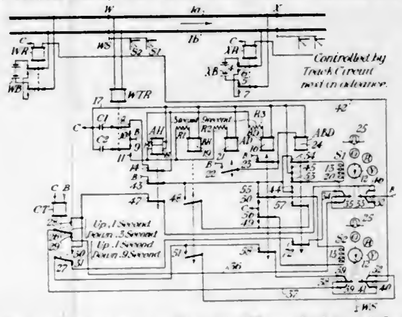
A combined cover and medicine container for a medicine glass consisting of a hollow body adapted to fit into the upper part of a medicine glass, the upper rim of the walls of said cover extending outwardly and downwardly to form a groove adapted to receive the upper rim of the medicine glass, and an interior annular flange extending from the upper part of the wall of the cover, and a disposable top seated on said annular flange and retained thereon by frictional engagement with the walls of said cover.

2,276,679
CATALYST FOR THE SYNTHESIS OF AMMONIA
Giles Warren Abbott, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 2, 1940, Serial No. 350,122
6 Claims. (Cl. 252—230)

3. A catalyst for the reaction between hydrogen and nitrogen to form ammonia which catalyst comprises iron, magnesium oxide, potassium oxide, and silicon dioxide, and is prepared by mixing iron powder with minor proportions of potassium silicate, silicon dioxide, magnesium and potassium oxide, compacting the mixture and treating the compacted mixture with superheated steam at a reaction temperature above 500° C. until at least 85 per cent of the iron is oxidized and at least 60 per cent of the iron is converted to ferroso-ferric oxide and thereafter treating the mixture with hydrogen to reduce the iron oxide to metallic iron.

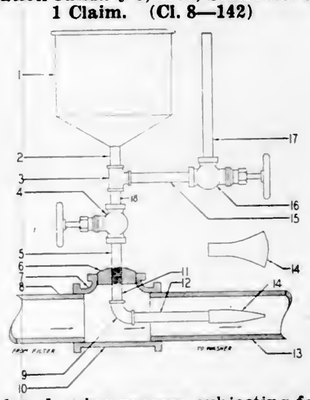
2,276,680
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 13, 1940, Serial No. 313,754
8 Claims. (Cl. 177—353)

7. In signaling apparatus for use with a signal system having a transmitting circuit supplied with coded energy of any one of a plurality of different time codes each of which codes consists of a distinctive cyclic pattern which pattern is made up of an "on" and an "off" period of a preselected duration and to which circuit a code following relay is connected for operation thereof in step with the "on" and "off" periods of the particular code supplied, the combination comprising, a first and a second reactance device, a first circuit including a contact of said code following relay to connect a source of direct current to said first reactance device during the "off" period to store energy in said first device, a second circuit including a contact of said code following relay to connect a source of direct current to said second device during the "on" period to store energy in said second device, a check relay having two windings, a first and a second decoding relay each of which is provided with a distinctive slow pick-up period, a third circuit including a contact of the code following relay closed during the "off" period to connect said second reactance device to one winding of the check relay and to said first decoding relay to pick up by the energy stored in the second device the check relay and also the first decoding relay



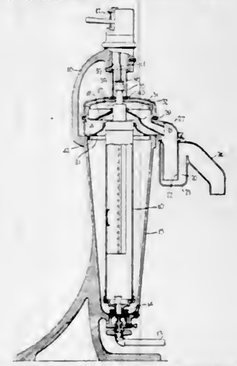
when the duration of the "off" period is at least equal to the slow pick-up period of the first decoding relay, and a fourth circuit including a contact of the code following relay closed during the "on" period and a front contact of the check relay to connect said first reactance device to the other winding of the check relay and to said second decoding relay to retain by the energy stored in the first device the check relay picked up and to pick up the second decoding relay when the duration of the "on" period is at least equal to the slow pick-up period of the second decoding relay.

2,276,681
PROCESS FOR DRY CLEANING
Dennis P. Allison, Vicksburg, Miss.
Application January 3, 1940, Serial No. 312,283
1 Claim. (Cl. 8—142)



In a dry cleaning process, subjecting fabrics in a washer to the action of a solvent solution containing a detergent, removing the detergent from the solution by filtration, circulating the filtered solvent solution, introducing sulphated fatty alcohol detergent into the circulating solvent solution in a thin fan-shaped sheet at the washer inlet, controlling the release of the sulphated fatty alcohol detergent to the circulating solvent solution to a ratio of one-half pint to every twenty-five gallons of solvent solution flowing past the point of admission of the sulphated alcohol detergent, such controlled admission and thin fan-shaped sheet form of the admission effecting the breaking up of the sulphated fatty alcohol detergent into fine particles by agitation of the solvent solution in circulation so that the detergent enters the washer in suspended form while the circulation is in progress, maintaining the solvent at less than one quarter of one per cent free fatty acid content while the sulphated fatty alcohol detergent is being applied to and suspended in the solvent solution, and returning the solvent solution with the sulphated fatty alcohol detergent suspended therein to the washer for further treatment of the fabrics.

2,276,682
CENTRIFUGAL SEPARATOR
Arthur U. Ayres, Philadelphia, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application November 18, 1939, Serial No. 305,046
6 Claims. (Cl. 233—13)

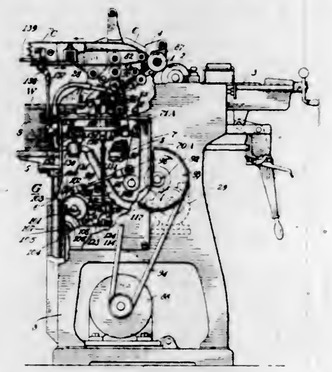


1. In a centrifugal separator, the combination comprising, a centrifugal rotor including an outlet through which a liquid is discharged from said rotor, a receiving cover for liquid discharged through said outlet, a separate receiving cover interconnected with said first-mentioned cover for receiving vapor discharged from said rotor into said first-mentioned cover, and a casing surrounding both of said covers and spaced therefrom to form a space for return of vapor discharged into said second-mentioned cover into said first-mentioned cover, said separator including means to impel vapors from said first-mentioned cover to said second-mentioned cover and directly from said second-mentioned cover through said space to said first-mentioned cover, and means for sealing said covers from the outside atmosphere.

2,276,683
APPARATUS FOR FEEDING SHEETS
Walter T. Bailey, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa., a corporation of Pennsylvania
Application May 9, 1940, Serial No. 334,149
18 Claims. (Cl. 271—31)

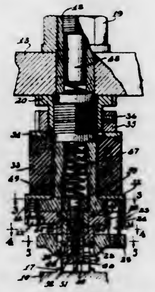
1. Apparatus for feeding sheets from a stack comprising a sheet-separating member including shoulder structure for engaging and extending across an end sheet of the stack at a distance

from an edge of the sheet and means for bending along said shoulder structure that portion of the sheet between its said edge and said shoulder structure and holding said bent portion of the sheet to said member, means for moving said



member away from said stack to separate therefrom at least said portion of said sheet, and sheet-feeding means for clamping upon said bent portion of the sheet while it is held to said member.

2,276,684
APPARATUS FOR FORMING METAL CLOSURES
Charles M. Bellg, Pitman, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 15, 1939, Serial No. 279,289
4 Claims. (Cl. 153—48)



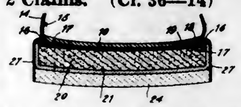
1. An apparatus for forming metal closures from skirted blanks comprising a series of concentric dies including an outer die ring, an inner die ring and an intermediate die ring, means on the outer die ring for imparting an initial inward bend to spaced portions of the rim portion of a blank skirt and drawing the intervening portions thereof slightly inwardly of the blank, means on the inner die ring for folding the inwardly bent portions into substantial parallelism with the skirt body to further draw the intervening portions inwardly of the blank, means on the intermediate die ring for imparting final shape to said inwardly drawn intervening portions to produce a series of lugs, and mechanism for first moving the dies downwardly together and then moving the inner and intermediate dies downwardly as a unit beyond the outer die.

2,276,685
PROCESS OF COATING POROUS ARTICLES
Elvin M. Bright, Dayton, Ohio, assignor to John M. Wallace, Cincinnati, Ohio, as trustee
Application November 1, 1938, Serial No. 238,215
1 Claim. (Cl. 91—68)



The method of bonding a nitrocellulose coating to a wooden article including the steps of masking the portions of the article later to be exposed without a coating, dipping the masked article into a thin solution consisting of nitrocellulose material dissolved in a suitable solvent so as to expel the air from the pores of the wood and so as to impregnate the outer surface of the wood with the nitrocellulose material priming film, partially drying the priming film, applying a filler coating by dipping the impregnated article while the priming film is moist into a solution including nitrocellulose material dissolved in a suitable solvent having added thereto a filler material, curing the coating, dipping the article into a finishing coating including nitrocellulose material dissolved in a suitable solvent and curing the finishing coating by cyclically dipping the article into a solution having an attraction for the solvent used in dissolving the nitrocellulose material in which solution the nitrocellulose material is substantially insoluble, and removing the article into a zone saturated with the fumes from the solvent used in dissolving the nitrocellulose material, so as to cure the coating, and bodily removing the nitrocellulose material overlying the masking material.

2,276,686
WELT FOOTWEAR
Henri Chevalier, Romans, Drome, France, assignor to Chaussures Unic-Usines Fenestrier Société Anonyme, Romans, Drome, France, a corporation of France
Application July 6, 1939, Serial No. 282,984
In France July 6, 1938
2 Claims. (Cl. 36—14)

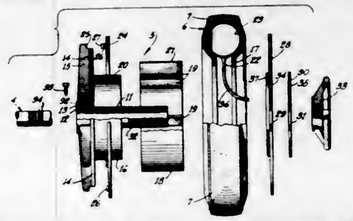


1. A welt foot-wear which in at least one of the two portions thereof including the sole and heel portions comprises a thick layer of cork, a flexible sheet of water-proof material enveloping said cork on its under surface and on its sides, a wearing layer of a wear resistant material disposed under or below the flexible sheet, and a band of flexible material sewn between the welt and the upper, and bent over the edges of said portion and also fixed to the wearing layer.

2,276,687
TIRE REPAIRING APPARATUS
Arch B. Cleveland and Charles H. Bernhardt, Los Angeles, Arthur W. Douglas, Lynwood, and Emil G. Haag, Los Angeles, Calif.; said Bernhardt, said Douglas, and said Haag assignors to said Cleveland
Application April 3, 1940, Serial No. 327,694
7 Claims. (Cl. 154—9)

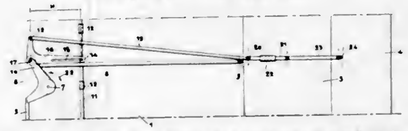
4. In a tread rolling apparatus including a roller and a tire supporting means for supporting a tire in a position engaging the tread portion

thereof with said roller, an adjustable rim structure rotatably mounted on said tire supporting means comprising: a pair of rim flanges; rim band supporting means carried on said flanges; a rim band member including means engageable with said rim band supporting means; means mounting said flanges for movement toward and away from each other to permit reception there-



between of tires of different widths; and clamping means cooperating with said mounting means for forcing said flanges toward each other, whereby rim band members of different widths and diameters may be supported on said rim band supporting means and clamped between said rim flanges to provide a rim surface of any predetermined width and diameter for supporting a corresponding size of tire.

2,276,688
CONTROL DEVICE FOR AILERONS AND FLAPS
Emile Julien Eugene Dewoitine, Neuilly-sur-Seine, France
Application November 4, 1939, Serial No. 302,803
In France November 28, 1938
5 Claims. (Cl. 244—42)

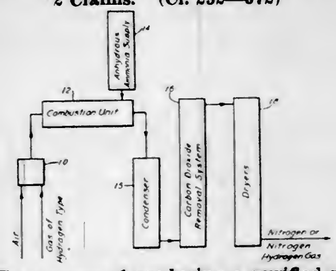


1. In an aircraft with a stationary airfoil having a curvature flap pivoted to the trailing edge thereof and a warping aileron pivoted in turn to the trailing edge of the flap, the combination, with a lever pivoted upon the stationary airfoil with one portion of said lever connected to a manual control member, and an arm of the lever having link means connecting the same to the curvature flap, of a bell-crank lever pivoted upon said arm, link means connecting one arm of said bell-crank lever to the warping aileron, and controlled means for shifting the position of said bell-crank lever independently of the position of the pivotal mounting thereof on the first mentioned lever.

2,276,689
DRAWING DIE
Frank J. Felton, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 13, 1941, Serial No. 378,773
3 Claims. (Cl. 205—26)

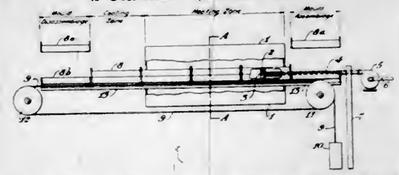
1. A drawing die blank of white cast iron having a carbon content from 2% to 3%; a manganese content from 2% to 4% which increases within the range given as the carbon content within the range given is reduced; characterized by its ready machineability and abrasive resistant qualities.

2,276,690
PROCESS OF PRODUCING A PURIFIED PROTECTIVE ATMOSPHERE
James H. Germany, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1939, Serial No. 300,379
2 Claims. (Cl. 252—372)



1. The process of producing a purified protective atmosphere from hydrocarbon gases comprising the steps of, mixing the hydrocarbon gas with a predetermined amount of air, introducing the mixture into a combustion unit where it is completely combusted to form the end product containing only carbon dioxide, water vapor and oxygen as impurities, introducing a hydrogen component selected from the group consisting of pure hydrogen and anhydrous ammonia directly into the combustion chamber at a point within the chamber remote from the introduced uncombusted mixture of hydrocarbon gas and air where the hydrogen of the introduced hydrogen component combines with all of the free oxygen to form water vapor, cooling the end products to condense the water vapor to a dew point corresponding to room temperature conditions, passing the end products containing the carbon dioxide and water vapor through a carbon dioxide removal system to remove the carbon dioxide, and drying the water vapor having a dew point corresponding to room temperature conditions from the gas to give a purified protective atmosphere.

2,276,691
POLYMERIZATION METHOD
Donald L. Gibb, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 13, 1939, Serial No. 308,992
2 Claims. (Cl. 18—55)



1. A method for the continuous polymerization of polymerizable organic compounds to produce elongated solid articles of desired length which comprises introducing a liquid polymerizable organic compound under pressure at a fixed position into an elongated movable sectional container in such manner as to cause the container to move gradually in a direction lengthwise of the container and away from said fixed position by the force exerted thereon by the liquid, exerting a force on the container to restrain the movement thereof so as to compress the charge

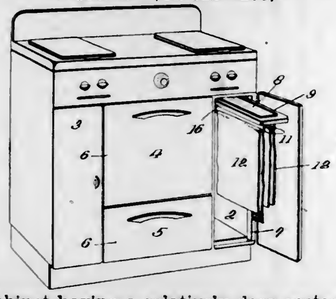
therein as a compact body substantially free of bubbles, causing the container in its lengthwise movement to travel slowly through a heating zone wherein it is heated sufficiently to polymerize the liquid organic compound and thence into a cooler zone wherein the polymer hardens while under the imposed pressure, and from time to time extending the walls of the container at a position preceding entrance of the latter into the heating zone and in a direction opposite the direction of movement of the container and removing sections of the container from the hardened polymer.

2,276,692

COMBINATION CUTTING BOARD AND TOWEL DRYING MEMBER

Christopher L. Hardwick, Cleveland, Tenn.

Application October 9, 1940, Serial No. 360,505
1 Claim. (Cl. 312—176)



A cabinet having a relatively deep rectangular heated compartment, a substantially flat cutting board slidably mounted in the upper end of said compartment, a pair of towel racks suspended from and extending longitudinally of the bottom of said board and equally spaced from its side edges, said board extending substantially from the front to the rear and from one side to the other of said compartment, said cutting board formed with a groove in its top surface extending substantially the full length thereof and therearound and adapted to prevent liquids from flowing off said board onto towels carried by said rack.

2,276,693

METHOD OF MAKING POROUS METAL-CONTAINING CATALYSTS

Sheldon B. Heath, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 2, 1940, Serial No. 350,151
3 Claims. (Cl. 252—256)

1. In a method of making a solid porous catalyst which is capable of promoting reaction between hydrogen and nitrogen to form ammonia, the steps which consist in mixing finely divided metallic iron with a suitable promoter therefor, compacting the mixture, and treating the compacted mixture with superheated steam at a reaction temperature above 500° C. to oxidize at least 85 per cent of the iron and form a solid porous composition comprising ferroso-ferric oxide.

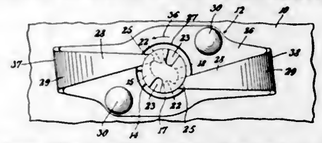
2,276,694

FASTENER

Augustus M. Henry, Brooklyn, N. Y.

Application December 4, 1940, Serial No. 368,464
6 Claims. (Cl. 24—221)

4. In a fastener of the kind described, the combination of a spring means carrying a pair of endwisely facing spaced claws; means for attaching said spring means to an underlying part to be joined by the fastener to an overlying part; means included in said spring means for then resiliently floatingly mounting said claws for dipping movement toward said underlying part and for simultaneous lateral swing to displace them from their said endwisely facing relation to abnormally space said claws; and a headed stud the shank of which is externally recessed to provide at the free end of said shank entrance grooves



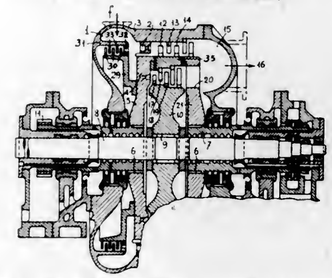
for intercepting said claws, downwardly facing spirally extending ramps in continuation of said grooves for forcing the claws to said dipping movements to draw the joint tight during turning movement of the stud in locking direction, cam-means alongside said ramps for forcing the claws to said swinging movements during said turning of the stud, and pockets beyond said cam-means positioned to allow side-swipe snap of the claws thereinto as the stud is turned sufficiently far in locking direction to release the claws from the cam-means.

2,276,695

STEAM TURBINE

Ernesto Lavarello, Genoa, Italy

Application February 25, 1939, Serial No. 258,352
7 Claims. (Cl. 253—16.5)



1. In an axial flow steam turbine having an exterior fixed casing and within the same a rotating element or wheel mounted upon a shaft so as to be rotatable within said casing, said rotating element having at least two rows of receiving blades projecting outwardly from the periphery thereof, and there being a steam-inlet port and an outlet port in said fixed casing, the combination of a hollow rotatable member surrounding said rotating element and having upon the interior thereof at least one row of guide blades projecting inwardly between said rows of receiving blades so as to cooperate therewith, said hollow member being rotatably mounted on said shaft and having nozzles in one side for directing jets of steam against said blades and outlet apertures on the other side allowing steam to escape from said blades, a plurality of rows of receiving blades projecting from the exterior of said hollow member, at least one corresponding row of stationary guide blades projecting in between said last mentioned receiving blades from the fixed casing, there being stationary nozzles fixed in said casing for directing jets of steam from one side against said stationary guide blades and the corresponding receiving blades, and sealing means including a blade support projecting from one side of said hollow rotatable member and carrying a plurality of receiving blades and a rigid annular blade supporting member within the casing co-axial with said projecting blade support and carrying a plurality of fixed guide blades cooperating with said receiving blades on the latter, said rigid annular blade supporting member also having a plurality of fixed nozzles disposed adjacent to said last mentioned receiving blades in positions effective to direct jets of steam against said latter receiving blades and the corresponding guide blades, in order to effect a maximum exhaustion of the energy from the steam used in said turbine.

2,276,696

MANUFACTURE OF HOMOLOGUES OF UREA

John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware

No Drawing. Application October 6, 1939, Serial No. 298,279
9 Claims. (Cl. 260—553)

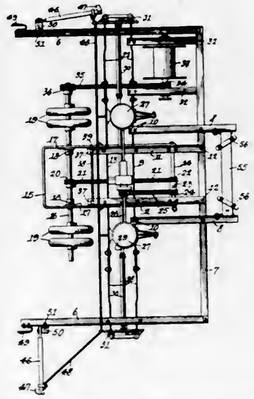
1. In the manufacture of alkyl derivatives of urea, the process comprising reacting carbon dioxide with an alkyl amine by heating a mixture thereof under super-atmospheric pressure to a temperature between 100° C. and 250° C.

2,276,697

PLANTER ATTACHMENT FOR TRACTORS

John Walfred Peterson, Canton, S. Dak.

Application September 18, 1939, Serial No. 295,541
3 Claims. (Cl. 111—59)



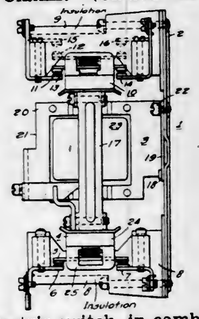
1. A planter adapted to be connected with a tractor under the tractor frame, comprising a substantially wide main frame embodying a forward bar, substantially long end bars connected with the forward bar, spaced short bars connected with the forward bar at a point adjacent to the center of the forward bar, the forward ends of said spaced short bars extending beyond the forward bar, a connecting bar having downwardly extended ends, adapted to be connected to a tractor frame, said downwardly extended ends having a plurality of vertically spaced openings, bolts extending through the forward ends of the short bars and said openings, adjustably connecting the main frame with a tractor frame, planting units mounted on the main frame, and means including a wheel-supported frame, connected with the main frame and adapted to operate said planting units.

2,276,698

CONTACTOR

Lawrence Pierce, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1939, Serial No. 297,291
3 Claims. (Cl. 200—165)



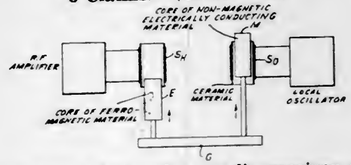
1. In an electric switch, in combination, a pair of stationary contact members, a pair of parallel plates having aligned guides of a given length, a bar having contact members at its opposite ends for bridging the stationary contact members said bar being so constructed at its mid-portion to engage the guides to thus be limited and guided in its movement over the length of the guides, a keeper plate similar in structure to the bar at its mid-portion and adapted to be selectively disposed at either end of the guides, resilient means disposed between the keeper plate and the bar to thus resiliently bias the bar to the end of the guide ways opposite to that end at which the keeper plate is positioned, and means for operating the plates in one direction whereby the interconnection between the stationary contact members may either be made or broken depending on the end of the guides at which the keeper is positioned.

2,276,699

SUPERHETERODYNE RECEIVER

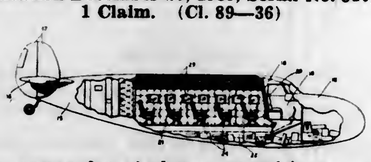
Joseph Preisig, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 11, 1940, Serial No. 334,492
In Germany March 11, 1939
3 Claims. (Cl. 250—40)



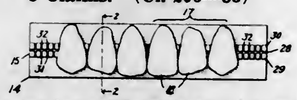
1. In a superheterodyne radio receiver of the type having a variable inductance coil for tuning the radio frequency stage and a second variable inductance coil for tuning the local oscillator stage, characterized in that a core solely of ferromagnetic material is associated with the radio frequency coil and a core solely of non-magnetic, electrically conducting material is associated with the oscillator coil.

2,276,700
SAFETY AIRPLANE
Gaetano Provenzano, Greenwich, Conn.
Application December 20, 1939, Serial No. 310,160
1 Claim. (Cl. 89—36)



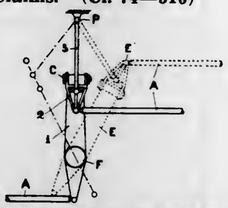
An armor for airplanes comprising a metal covering, a two ply rubber sheet interjacent said covering, a woven wire netting intermediate the plies of said sheet, a plurality of springs arranged as a mattress juxtaposed against the inner surface of said sheet, and a cushion lining for said mattress, said cushion lining filled with feathers.

2,276,701
CARRIER FOR ARTIFICIAL TEETH
George T. Pusey, Jr., Cynwyd, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application May 25, 1940, Serial No. 337,148
8 Claims. (Cl. 206—83)



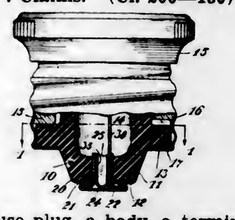
1. A carrier for artificial teeth of a type having pin means projecting therefrom, the carrier comprising a base, means associated with the base for detachably receiving and gripping said pins, said means comprising a longitudinally extending member having upwardly converging side walls their upper edges spaced to form a groove for the reception of said pins, and the groove side walls being resiliently movable to effect a gripping engagement with the pin at the uppermost portion of said side walls.

2,276,702
TRANSMISSION MECHANISM WITH AUTOMATICALLY VARIABLE RATIO
Carlo Riparbelli and Nicola De Martino, Rome, Italy
Application February 24, 1939, Serial No. 258,208
In Italy March 22, 1938
2 Claims. (Cl. 74—516)



1. Mechanism adapted to transmit in either of two directions the movement from a control element to a controlled element at an increased ratio of transmission between said two elements so as to increase the stroke of the controlled element, in either of said directions, said mechanism comprising a rod, a first class lever having one arm connected by means of said rod to the control element, the other arm being provided with a pivot on which an appendix is pivoted on an axis substantially at a right angle to the axis of the fulcrum of said lever, attached by a Cardan joint by means of a rod to a point fixed with respect to said fulcrum, so that when said lever rotates round its fulcrum in either direction, the free end of said appendix moves increasingly away from the end of said other arm of the lever connected to the control element.

2,276,703
FUSE PLUG CONSTRUCTION
Lambert Schmidt, Leeds, N. Y.
Application April 2, 1941, Serial No. 386,403
7 Claims. (Cl. 200—130)

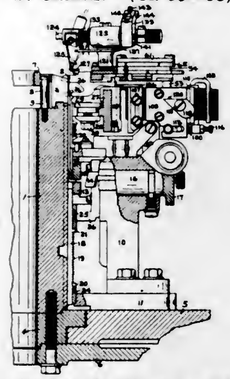


1. In a fuse plug, a body, a terminal member secured in said body, said terminal member having a hollow portion, a fuse strip having one end inserted into said hollow portion, and a spring retaining member of electrical conducting material inserted into said hollow portion to bear against the wall of the hollow portion and against the end of said strip and force said end into contact with the wall of said hollow portion.

2,276,704
THICKENING AGENT FOR PRINTING AND DISCHARGING PASTES
Alwin Schneevoigt and Julius Beck, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 4, 1939, Serial No. 297,816. In Germany October 1, 1938
4 Claims. (Cl. 8—70)

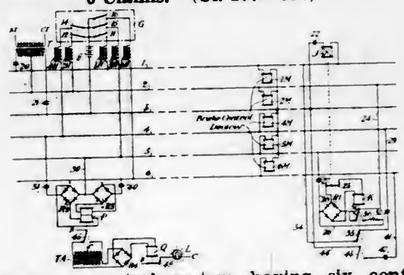
1. A composition of matter for producing patterns and designs on cloth, selected from the group consisting of printing and discharging pastes which contain as a thickening agent a product obtained by the action of a mono-halogen acetic acid on wood, which has been pretreated with an alkali metal hydroxide.

2,276,705
KNITTING MACHINE AND METHOD
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 9, 1938, Serial No. 194,909
27 Claims. (Cl. 66—93)



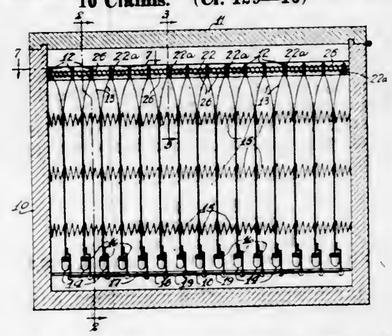
1. In a multi-feed knitting machine the combination of knitting instrumentalities including needles and sinkers said sinkers being so constructed as to have plain knitted stitches or pile loops of either of two different lengths drawn thereover, selecting means operable upon said sinkers for projecting them to different positions at any desired course of knitting, the construction and operation being such that either plain stitches, short pile loops or long pile loops may be drawn selectively at any feed and at any course.

2,276,706
ELECTRIC SIGNALING SYSTEM
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 25, 1941, Serial No. 399,662
6 Claims. (Cl. 177—311)



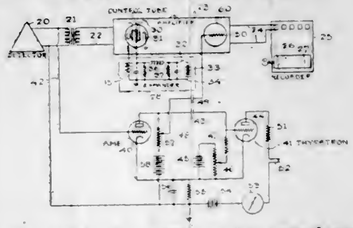
1. In a control system having six control wires each extending between two stations and employing energy of a first character for control purposes, in combination, a source of energy of a second character at one of said stations, a first means energized from said source over a first supply circuit which includes in series therewith the second, fifth, fourth and first control wires, a second means energized from said source over a second supply circuit which includes in series therewith the second, fifth, sixth and third control wires, a device energized in series with one of said supply circuits and effective when energized to interrupt said supply circuit and to establish the other supply circuit, a relay energized from said source over a circuit including in series therewith the first and third control wires and governing the supply of energy to said device, and indication means responsive to alternate energization of said first and second means.

2,276,707
PLAN FILE
Charles B. Ulrich, Jamestown, N. Y.
Application January 22, 1940, Serial No. 314,957
10 Claims. (Cl. 129—16)



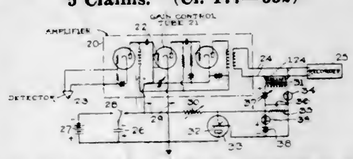
1. In a planfile, the combination of a casing having opposite sides each provided with spaced inner and outer walls, a rail horizontally supported in the space between the upper portions of the walls of each of said sides, cross-bars horizontally supported by said rails for movement longitudinally of said rails, filing pockets suspended in said casing from said cross-bars, and a horizontally disposed casing member in each of said sides of the casing and having integral angle members supporting the corresponding rail, said cross-bars being disposed in groups between said angle members.

2,276,708
SEISMOGRAPH AMPLIFIER
Ralph D. Wyckoff, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 2, 1940, Serial No. 359,439
7 Claims. (Cl. 177—352)



7. In combination with a seismograph amplifying and recording circuit including a seismograph signal amplifier, a recorder connected thereto, and sensitivity control means for the circuit constructed and arranged to increase the sensitivity of the circuit from an initial low value to higher values, an auxiliary amplifying circuit having its input side and output side coupled to said circuit on the input and output side respectively of said control means, said auxiliary circuit being initially operative to transmit signals, whereby signals are initially transmitted to the recorder at a sensitivity higher than said initial sensitivity of said amplifying and recording circuit alone, means adapted on operation to render said auxiliary circuit inoperative to transmit signals, and means for so operating said last-named means after transmission of the first signal energy through said auxiliary circuit.

2,276,709
APPARATUS FOR AND METHOD OF SEISMOGRAPH PROSPECTING
Ralph D. Wyckoff, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 14, 1940, Serial No. 361,185
5 Claims. (Cl. 177—352)



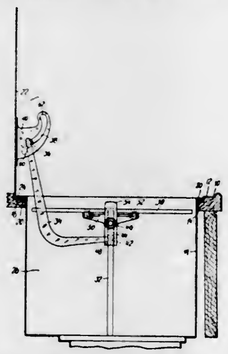
1. In a seismograph circuit including an amplifier for seismic detector signals, a recorder and an expander in said circuit adapted to increase the sensitivity thereof as a function of time, substantially independently of fluctuations in original energy, during the period of receipt of seismic waves, the improvement comprising

means adapted on supply thereto of energy of predetermined selected amplitude to arrest the sensitivity-increasing action of the expander, said selected amplitude being such that the arresting action goes into effect only for relatively high amplitude signals which tend to exceed the useful amplitude range of the recorder; and circuit means for applying signal energy to said means.

2,276,710
MANUFACTURE OF YEAST AND OTHER LIKE MICROORGANISMS
William Gordon Bennett, Epsom, England, assignor to Standard Brands Incorporated, New York, N. Y.
No Drawing. Application November 16, 1938, Serial No. 240,728. In Great Britain November 23, 1937
14 Claims. (Cl. 195—79)

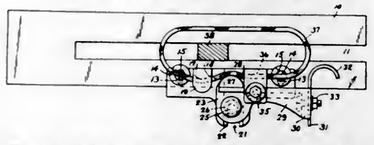
14. A process for the manufacture of a yeast having a high ergosterol content, which comprises cultivating a yeast capable of producing ergosterol in the presence of a non-toxic oxidizing agent in an aerated nutritive medium deficient in assimilable nitrogen whereby the ergosterol content is increased, and then further propagating yeast so produced by subjecting it to a further aeration in a nutrient medium deficient in assimilable nitrogen with addition of an organic nutrient devoid of nitrogen and phosphorus belonging to the lower aliphatic alcohols in conjunction with lactic acid, in the presence of a non-toxic oxidizing agent at a temperature of about 98° F. and for a period of nine to ten hours.

2,276,711
CONTAINER
Tord Erik Daniel Bilde, Ulvsunda, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application December 3, 1940, Serial No. 368,403
In Sweden October 13, 1939
5 Claims. (Cl. 312—174)



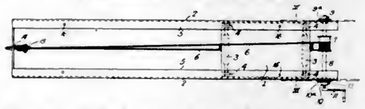
1. A container of the class described having an opening at the top thereof, a hinged lid arranged to close said opening, a movable article support within said container, a guide track on the inside of said container for guiding said support in vertical direction, a locking device connected to said support and movable therewith for locking said support in normal upper end position against downward movement, and link mechanism pivotally connected to said lid and to said locking device, said link mechanism being constructed and arranged to raise and lower said support upon opening and closing movement of said lid and to positively engage and disengage said locking device.

2,276,712
PICKER CHECK
Thomas T. Boucher, deceased, late of Norwich, Conn., by Rose A. Boucher, administratrix, Norwich, Conn.
Application January 23, 1941, Serial No. 375,706
3 Claims. (Cl. 139—165)



1. In a picker check, a lay having a picker guide, a picker oscillatable along said guide, a bracket secured to said lay at one side of said guide, a strap of elongated loop form having side portions on opposite sides of the slot and end portions crossing said slot adjacent opposite ends of the movement of the picker, said strap loosely surrounding the picker, and means carried by said bracket and sinuously flexing one side of the strap, said means including an adjustable element slidably mounted on the bracket to move lineally toward and from the picker guide for controlling the extent of flexure of the flexed side of the strap, adjustable spring means carried by the bracket and engageable by the strap upon the picker approaching one end of its path of movement, and a single bolt passing through the bracket and securing said element and spring means in adjusted position.

2,276,713
ROAD ROLLER
William Henry Bramble, Grantham, England, assignor to Aveling-Barford Limited, Grantham, Lincolnshire, England
Application March 15, 1940, Serial No. 324,223
In Great Britain March 18, 1939
8 Claims. (Cl. 94—50)

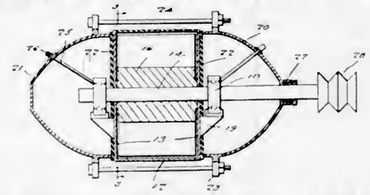


1. A road roller comprising in combination a frame, a front steering roller component connected to the frame, a hind driving roller component connected to the frame the said frame being formed with guides extending longitudinally of the roller, a ballast weight movably supported by said guides, a cable connected to the ballast weight, a rotatable drum to which the cable is connected, means to rotate the drum to move the ballast weight longitudinally to change the distribution of weight on the two roller components, and means to lock the drum against rotation.

2,276,714
FLUID MOTOR
Louie A. Brown, Pharr, Tex.
Application June 6, 1941, Serial No. 396,945
2 Claims. (Cl. 253—50)

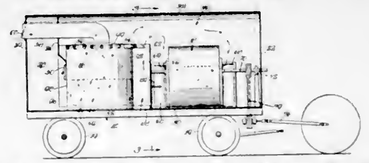
1. A turbine construction comprising, a turbine housing interposed in a pipe line and having a turbine wheel secured on a shaft journalled in the housing, bearing assemblies for the shaft

outwardly of the housing, a conical cover for each assembly positioned against the respective sides of the housing, a gasket between each cover



and the housing, apertured lugs on the sides of the covers and bolts connecting the lugs of the respective covers for clamping the latter on the housing.

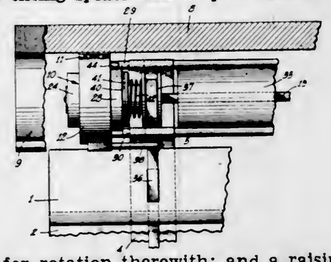
2,276,715
PORTABLE DRIER
Bowen Campbell, Des Moines, Iowa
Application September 5, 1939, Serial No. 293,414
2 Claims. (Cl. 263—19)



1. A portable drier for mixing successive quantities of air with products of combustion and expelling the mixture comprising a portable frame, an enclosure on said frame, a combustion chamber within said enclosure, a variable combustion air inlet at the bottom, wheels on said frame spacing the bottom of said chamber above a supporting surface, a fuel burner at the bottom of the combustion chamber, a variable auxiliary air inlet and a plurality of events extending horizontally outwardly in various directions at the top of said chamber for distributing a mixture of products of combustion and air from the chamber into said enclosure, a baffle positioned around said chamber with a portion thereof adjacent the vents in the path of a warm mixture emerging from the vents and forming together with the exterior wall of said chamber a supplemental air passage into the enclosure, said passage having an inlet at one end thereof communicating with the atmosphere at a location adjacent the bottom of said combustion chamber, and a blower on said frame having an inlet within the enclosure and adapted to receive its mixture at the inlet, blow it outwardly from the enclosure and constantly tend to maintain a draft through the combustion chamber and the passages connected with said enclosure.

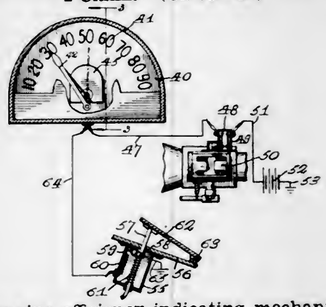
2,276,716
VENETIAN BLIND
Carlos J. Cardona, Los Angeles, Calif.
Application March 17, 1941, Serial No. 383,709
3 Claims. (Cl. 156—17)

1. An improved Venetian blind including a plurality of slats connected by ladder tapes, comprising: a pair of supporting brackets, each thereof including a housing, a shaft extending through said housing and a winding spring therein, said spring having its ends connected to the housing and shaft; a stationary ratchet, and pawls mounted on a carrier rotatable with said shaft and adapted to gravitationally engage the ratchet; a tilting spider journaled on said shaft, friction means between said shaft and spider, a top slat having its longitudinal edges connected to the tilting spider and a spool carried by the



shaft for rotation therewith; and a raising and lowering tape carried by the spool and extending through the slats to the bottom rail of the blind.

2,276,717
EFFICIENCY INDICATING MEANS FOR MOTOR VEHICLES
Charles Codebecq, Valleyfield, Quebec, Canada
Application February 2, 1939, Serial No. 254,259
1 Claim. (Cl. 73—51)



In engine efficiency-indicating mechanism for vehicles having speed indicating means including a pointer movable over a fixed dial, a foot-actuated throttle pedal for engine speed variations, a multi-speed gear transmission and a source of electric power, the combination with the speed indicating means of an electrically actuated auxiliary pointer mounted to move also over the fixed dial in a plane parallel to that of the speed indicating pointer, a resistor fixedly mounted adjacent the throttle pedal, an electric contact associated with said pedal and adapted to move in contact with the resistor for varying the resistance thereof in correspondence with the movement of said pedal, an electric switch associated with the speed transmission adapted to be closed when said transmission is in high gear only, and electric conductors connecting together in series with one side of the electric source the transmission switch, the auxiliary pointer actuating means and one end of the resistor, the pedal contact and the other side of the source being electrically connected together.

2,276,718
METHOD FOR PRODUCING HALF-TONE REPRODUCTIONS
Harold M. Crosby, Flushing, N. Y., assignor to News Syndicate Co. Inc., New York, N. Y., a corporation of New York
Application March 31, 1941, Serial No. 386,002
4 Claims. (Cl. 41—41)

1. A method of preparing original copy on pa-

per for use in making a highlight drop-out, which consists in producing a yellow chromatic tone in selected areas of said original copy, with the



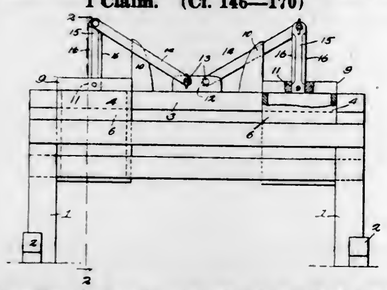
exception of the highlight areas of said original copy, by reacting para-nitro-phenol and the solution of an alkali in the selected areas of the paper.

2,276,719
CIGARETTE-MAKING DEVICE
Joseph Napoléon Daudelin, St. Hyacinthe, Quebec, Canada
Application January 22, 1941, Serial No. 375,485
5 Claims. (Cl. 131—75)



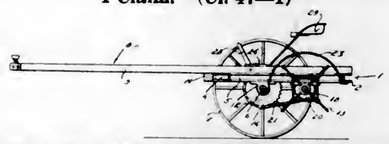
1. A device of the character described, comprising a longitudinally split former tube, and spring-retracted plungers at both ends of said tube for axially compressing a charge of tobacco in said tube.

2,276,720
CUTTER FOR SEED POTATOES
Samuel Geigel, Carbondale, Colo.
Application August 5, 1941, Serial No. 405,559
1 Claim. (Cl. 146—170)



A cutter for seed potatoes including a hopper having an outlet, a bar intersecting the top of the hopper, supporting means therefor, a block on the bar above the hopper, a potato-stop on the block, there being a groove in the block, an arm connected to the bar for up and down angular adjustment, a two-edged plate carried by the arm and seated at one end in the groove, and means for holding the arm and blade against movement relative to the block.

2,276,721
FIELD CLOVER DUSTER
Ross Wesley Hartwick and Thomas Hartwick, Pinconning, Mich.
Application October 29, 1940, Serial No. 363,364
1 Claim. (Cl. 47—1)



In a clover dusting machine, a substantially rectangular shaped frame including a rear member, parallel side members, front converging members terminating in spaced relation to each other and rearwardly diverging bars connecting the ends of the front members to the rear member, an axle underlying and extending endwise of the frame and journaled on the side members and said bars, ground wheels secured to said axle, a draft tongue including rearwardly diverging members resting on and secured to said bars, a shaft paralleling the axle rearwardly of the latter and journaled on the end members and said bars, groups of radially extending arms secured on the shaft, elongated fan blades secured to the arms, a manually controlled clutch type drive connecting the axle to said shaft, and hoods secured to the frame and overlying the fan blades.

2,276,722
MARKING IMPLEMENT
Bernard S. Hillman, Paterson, and Armond Nazzaro, Warren Point, N. J.
Application February 15, 1941, Serial No. 379,070
1 Claim. (Cl. 91—62.5)

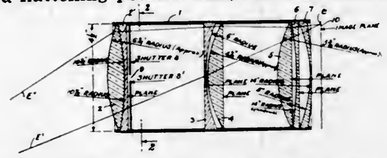


An implement for the purpose set forth including a cylinder having an outlet in one end formed with an internally facing valve-seat, a valve seated against the valve-seat and protruding at the outlet, a piston in the cylinder, and elastic means normally urging the piston toward said end of the cylinder and including a spindle independent of the valve and penetrating and having a threaded engagement with the piston and also penetrating and rotatable and slidable back and forth in the other end of the cylinder and a spring engaging the spindle and cylinder and urging the former toward the valved end of the latter, said spindle having its back and forth thrustwise movement directly limited by the cylinder to an extent less than the extent to which the piston is movable lengthwise of and in the cylinder.

2,276,723
PHOTOGRAPHIC LENS FOR THREE DIMENSIONAL EFFECT
William B. Hiner, San Jose, Calif.
Application January 2, 1941, Serial No. 372,843
10 Claims. (Cl. 88—57)

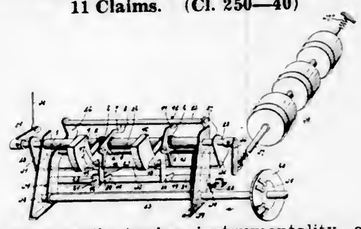
1. A compound photographic lens comprising

an achromatic front positive lens of a diameter large enough to yield from adjacent opposite margins angles of views giving definite stereoscopic effect when combined, a rearwardly spaced achromatizing and distortion correcting and field flattening positive lens, and a positive rear



lens combination spaced behind the second lens for further flattening the field, the respective focal lengths of the lenses being substantially in the order of 1, 2 and 3 and each of said lenses including a positive lens element with a parabolic face.

2,276,724
RADIO RECEIVER
Alexandre Horowitz and Pieter Harm Fennema, Eindhoven, Netherlands, assignors to Radio Corporation of America, New York, N. Y.
Application May 2, 1940, Serial No. 332,920
In the Netherlands May 2, 1939
11 Claims. (Cl. 250—40)



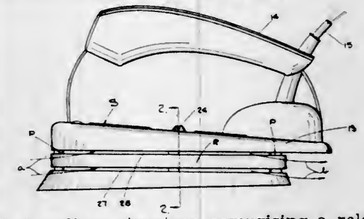
7. In a radio tuning instrumentality, a plurality of push button devices adapted to rotate about a given axis, said devices being mounted in a row along said axis, a tuning shaft concentric with said axis, a rocker on said tuning shaft, a plurality of arms, one for each of said push button devices and integral therewith, and adjustable stop means on said arms adapted to contact said rocker whereby said tuning shaft is rotated to a predetermined angular position by the operation of one of said push button devices.

2,276,725
HANDLE STRUCTURE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 21, 1941, Serial No. 375,312
4 Claims. (Cl. 38—90)



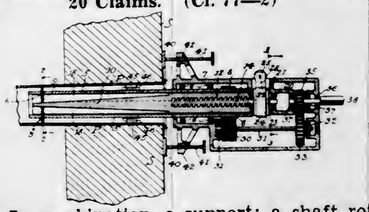
1. In a handle structure, an upper handle member and a lower handle member, each of said handle members being hollow and having rabbeted joints at their meeting edges, the ends of said handle members being arranged in overlapping engagement and being perforated, handle supports against the outer faces of said overlapped ends and countersunk with relation to the terminal ends of said handle members, and a through bolt through said handle supports and through the perforations of said overlapped ends of said handle members, said handle members being provided with vent openings in the sides thereof and extending through said rabbeted joints.

2,276,726
SADIRON SHELL STRUCTURE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 24, 1941, Serial No. 384,923
7 Claims. (Cl. 38—89)



6. A sadiron structure comprising a relatively shallow shell, means for supporting said shell spaced above a sole plate comprising a plurality of vertically arranged posts adjacent the periphery of said sole plate and interposed between said sole plate and said shell, and a flat band-like member for connecting said posts together, said member having its upper edge spaced below the lower edge of said shell and its lower edge spaced above the upper edge of said sole plate to permit air circulation.

2,276,727
BORING AND PIPE CUTTING MACHINE
Howard W. Johnson, Elizabeth, N. J.
Application May 24, 1941, Serial No. 395,097
20 Claims. (Cl. 77—2)

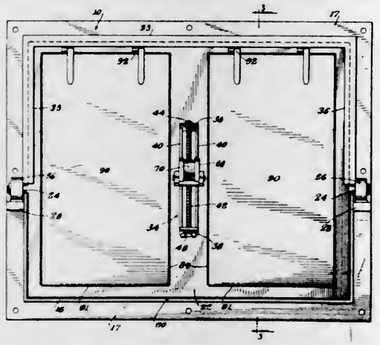


16. In combination, a support; a shaft rotatably mounted in said support and having a projecting forward end having radial slots; bore engaging tools projecting through said slots; a brake drum coaxially with the shaft and mounted for rotation relative thereto; means for rotating the shaft; means operatively connected to the shaft and drum for retracting or projecting the tools on rotation of the shaft and drum relative to each other; and adjustable brake means for varying pressure on the drum.

2,276,728
BAROMETRIC DAMPER
Roy Johnson, Scranton, and John Johnson, Moscow, Pa., assignors to Carbondale Grate-Bar Company, Scranton, Pa., a copartnership comprising Roy Johnson and John Johnson
Application April 8, 1940, Serial No. 328,536
9 Claims. (Cl. 236—45)

6. A barometric damper for operative association with a heating furnace comprising a frame for securing the damper in operative association

with the furnace, a damper plate swingably arranged on the frame, said damper plate being swingable into open position under influence of chimney draft, said damper plate having an opening therein, a pressure relief gate pivotably secured to the damper plate, said relief gate ar-



ranged over the damper plate and normally gravitating against the damper plate to close said opening, said pressure relief gate under influence of pressure within the furnace being swingable about its pivot away from the damper plate.

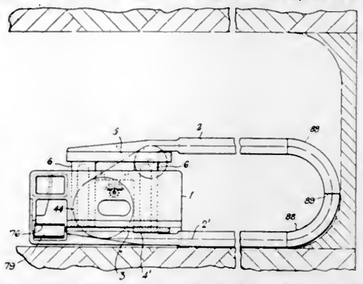
2,276,729
WINDOW HINGE
Peter H. Kuyper, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa, a corporation of Iowa
Original application October 15, 1936, Serial No. 105,687. Divided and this application December 18, 1939, Serial No. 309,850
6 Claims. (Cl. 16—163)



3. An articulated hinge for mounting a sash relative to a window frame comprising a first leaf secured to a window frame, a second leaf hinged to the first leaf, a third leaf hinged to the second leaf and secured to the sash and a latch slidable on said second leaf to secure it and said third leaf together as a unit, said third leaf having a slot to receive said latch and said latch having an enlarged head to overlap edge portions of said third leaf adjacent said slot.

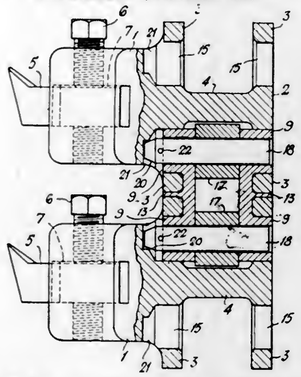
2,276,730
COAL CUTTING MACHINE
Oswald Floyd Lewis, near Sheffield, England, assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England, a corporation of Great Britain
Application March 13, 1940, Serial No. 323,804
In Great Britain March 13, 1939
4 Claims. (Cl. 262—30)

1. A coal cutting machine comprising a body and a vertical frame jib projecting laterally from said body, spaced apart vertical tubular guides in said body, vertical cylindrical columns slidable in said tubular guides, a head integral with the upper ends of said columns, clamping means projecting into said guides to bear on said columns, means for adjusting said clamping means to clamp the columns in raised positions, and trans-



verse grooves in said head and said body to receive horizontal portions of the jib frame.

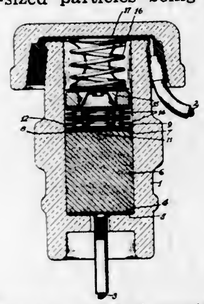
2,276,731
MINING MACHINERY
Oswald Floyd Lewis, near Sheffield, England, assignor to Newton, Chambers & Company Limited, near Sheffield, England, a corporation of Great Britain
Application June 25, 1940, Serial No. 342,395
In Great Britain June 26, 1939
8 Claims. (Cl. 262—33)



1. A mining machine cutter chain comprising pick boxes consisting of pick blocks integral with saddle portions having a pair of spaced parallel side wings provided with pairs of opposing circular holes for the reception of the ends of connecting links by which said pick boxes are joined to form an endless cutter chain, said links having circular end bosses projecting laterally from flat webs and fitted into said holes from between the side wings and separated by spacers held in position by pivot pins passing centrally through said end bosses and through the spacers.

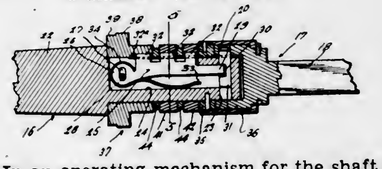
2,276,732
LIGHTNING ARRESTER
Leon R. Ludwig, Wilkinsburg, Frederick B. Johnson, Murrysville, and William E. Berkey, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,458
19 Claims. (Cl. 201—72)

1. An excess-voltage protective device comprising two spaced terminal-electrodes and a valve-element means bridging the space between said terminal-electrodes, characterized by said valve-element means comprising a large number of silicon-carbide granules which are for the most part of one size-range of a larger size than 100-mesh granules, and a smaller quantity, by volume, of smaller-sized particles disposed in the spaces between said first-mentioned granules, said smaller-sized particles being smaller than



the spaces between said first-mentioned granules and offering relatively a considerable resistance to the passage of current therethrough, characterized by said smaller-sized particles being of such small size and of roughly the approximate quantity nearly sufficient to fill the voids in the coarser material.

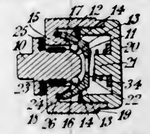
2,276,733
KEYLESS CLOSURE LOCK OPERATING MEANS
John F. Mayewski, Cleveland, Ohio
Substituted for abandoned application Serial No. 228,417, September 3, 1938. This application July 10, 1941, Serial No. 401,821
5 Claims. (Cl. 70—219)



1. In an operating mechanism for the shaft of a slidable locking bolt, a handle unit swivelly connected with said shaft, said shaft being provided with keeper means, a concealed spring pressed trip lever mounted in said handle unit, a coupling pin operatively connected with said lever and movable radially into and out of engagement with said keeper, and manually regulated multiple tumbler means mounted on said handle unit and cooperable with said lever maintaining the lever either in a retracted ineffective state or to permit it to be liberated and projected to an active state for actuating the coupling pin.

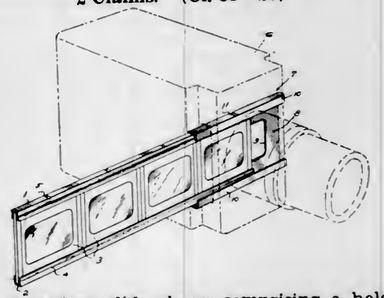
2,276,734
ROTARY BEARING
Frederick William Meredith, Cricklewood, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England
Application September 16, 1941, Serial No. 411,081
In Great Britain May 8, 1940
8 Claims. (Cl. 308—189)

1. A self-aligning rotary bearing comprising an inner race, an outer race, said outer race having a cup-like part-spherical bearing surface carrying said inner race and having a part-spherical mounting surface having the same sphere centre as said bearing surface, a support for said outer race and resilient means applying endwise pres-



sure to said outer race for holding said mounting surface of the outer race against said support.

2,276,735
LANTERN SLIDE CLAMP
Fred Duffield Miller, Altoona, Pa.
Application October 4, 1941, Serial No. 413,671
2 Claims. (Cl. 88—26)



1. A lantern slide clamp comprising a holder including a plate having a light aperture therein, angular guide flanges on the upper and lower ends of said plate, a pair of opposed channel bars, for the reception of a series of slides, operable in the holder and slidable on said guides, resilient means on one of the guides for yieldingly urging one of the bars against the other guide, and coacting means on said one bar and on said other guide for releasably securing the slides in adjusted position in the holder, the last-named means including a transverse detent on said other guide, said one bar having a series of transverse grooves therein at longitudinally spaced points for the reception of said detent.

2,276,736
CONTACT ATTACHMENT FOR CURRENT INDICATORS
Walter Olson, Glasco, Kans.
Application March 31, 1941, Serial No. 386,164
5 Claims. (Cl. 173—273))



5. In a current indicating device, a contact attachment comprising a tubular barrel of dielectric material, a hollow plug having a stem re-

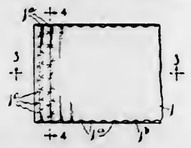
movably mounted in one end of said barrel and adapted to be connected with an electric conductor, said plug having a pointed contact fixedly secured thereto and an enlarged intermediate contact portion abutting against the adjacent end of said barrel, said plug also having an axially disposed threaded boss, a contact sleeve slidingly mounted on said barrel and engageable with said enlarged contact portion, said sleeve having a radially disposed arm, a contact member carried by said radially disposed arm, a dielectric washer through which said boss is extended, and a nut engageable with said boss and said washer to retain the latter in place and having an opening through which said fixed contact protrudes.

2,276,737

TRANSVERSELY FLEXIBLE CORRUGATED PAPER

David Harcourt Plewes and Bernard Fox, Toronto, Ontario, Canada, assignors to Dominion Corrugated Paper Company Limited, Toronto, Ontario, Canada

Application June 24, 1939, Serial No. 281,024
4 Claims. (Cl. 154—55)



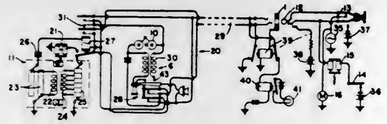
1. A transversely flexible sheet of corrugated paper, faced on one surface with a ply of plane material, the ribs of said sheet having a multiplicity of transverse lines of weakness along the sides thereof, said ribs being normally of ordinary contour and shape but adapted to crease along said lines of weakness when the sheet is bent or folded transversely of the ribs.

2,276,738

SYSTEM FOR STARTING SYNCHRONOUS TELEGRAPH MOTORS

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application September 2, 1939, Serial No. 293,160
7 Claims. (Cl. 179—3)



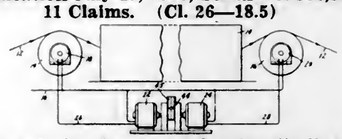
1. In a signaling system, central office apparatus, telephone and telegraph substation apparatus, a line connecting said substation apparatus and said central office apparatus, a motor included in said substation apparatus, a starting winding in said motor, a driving winding in said motor, a startng circuit including said starting winding, a driving circuit including said driving winding, a manual key included in said central office apparatus having key contacts in said starting circuit and in said driving circuit connected to close said circuits alternatively, and means effective through the operation of said key to render said telegraph apparatus effective and said telephone apparatus ineffective.

2,276,739

SPEED MEASURING APPARATUS

Robert H. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 19, 1940, Serial No. 346,387
11 Claims. (Cl. 26—18.5)



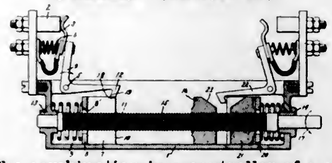
1. In a device for measuring longitudinal dimension changes in a continuously moving strip of material as the material passes through a machine which acts on the material to produce said dimensional changes therein, a pair of rotatable members, means for driving said members respectively at angular speeds proportional to the linear speeds of said material entering and issuing from the machine, said rotatable members being arranged with their rotary axes in alignment, a rotary friction wheel associated in driven relation with said rotatable members and adapted to have its rotary axis assume a position which varies in accordance with variations in the ratio between said angular speeds, and means responsive to changes in the position of said rotary axis.

2,276,740

CONTROL DEVICE

Tokutaro Saito, Yokohama, Japan, assignor to General Electric Company, a corporation of New York

Application December 18, 1940, Serial No. 370,709
In Japan December 23, 1939
5 Claims. (Cl. 200—47)



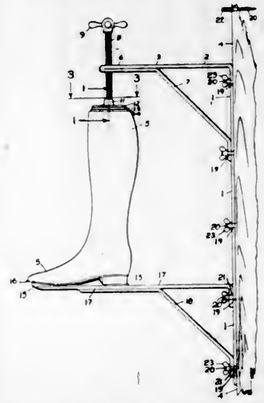
1. The combination in a controller of a rotatably mounted threaded shaft, a traveling member in threaded engagement with said shaft arranged for movement lengthwise of said shaft upon rotation of said shaft, a switch member pivoted adjacent one end of said shaft, a latch arm on said switch member, a hooked part on the end of said latch arm, a spring for biasing said switch member to one position in which said hooked part lies in the path of movement of said traveling member, a latch member surrounding said shaft mounted for movement lengthwise of said shaft, a spring biasing said latch member toward said traveling member to a position in which said latch member engages said hooked part and holds said switch member in a second position against its bias, said latch member being arranged to be engaged by said traveling member when said shaft is rotated in one direction and moved by said traveling member to a position to release said hooked part whereupon said switch member moves to said first position in accordance with its bias, said traveling member moving past said hooked part before moving said latch member to a position to release said hooked part, and a projection on said traveling member provided with an inclined surface engaging said hooked part when said shaft is turned in the opposite direction thereby to lift said hooked part and move said switch member to said second position, said latch member being moved by its spring to a latching position under said hooked part before said hooked part is released by said traveling member.

2,276,741

BOOT HOLDER

August Schelle, Elmhurst, Long Island, N. Y.

Application April 18, 1940, Serial No. 330,299
9 Claims. (Cl. 12—128)



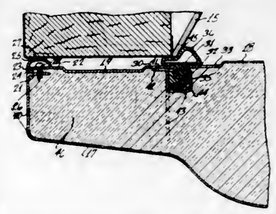
1. In a boot holder, an arm, clamping means mounted thereon, a bracket and a foot rest thereon and a wall plate securing said arm to said bracket and means adjustably securing said bracket to said wall plate whereby the distance between said arm and said bracket may be varied.

2,276,742

REFRIGERATOR

Karl F. Schmidt, Indianapolis, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application May 2, 1938, Serial No. 205,510
4 Claims. (Cl. 20—35)



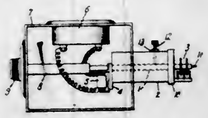
1. In a door structure of the type described, an outer metallic panel, inner metallic panels spaced from said outer panel, means for connecting said outer panel to one of said inner panels, a heat-insulating element interposed between said outer panel and said inner panel at said connection, the opposed margins of said inner panels being relatively spaced, a flange on each margin, a gasket of heat-insulating material interposed between said flanges and embracing one of said flanges, an element of heat-insulating material overlying the other of said flanges, and a member overlapping said gasket and said last named element, adapted to secure said inner panels and gasket in assembly.

2,276,743

WAVEMETER

Toshiyuki Shimizu and Shigenori Hamada, Tokyo, Japan, assignors to General Electric Company, a corporation of New York

Application February 21, 1940, Serial No. 320,082
In Japan April 13, 1939
3 Claims. (Cl. 250—39)



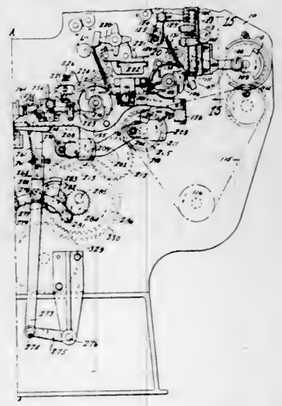
1. A wave meter comprising a casing having enclosing walls, a hollow cylindrical conductor secured to a wall of the casing and extending therefrom, a conductor mounted within said hollow cylindrical conductor substantially coaxially therewith, a variable condenser having relatively movable plates one of which is electrically connected to said internal conductor and the other of which is electrically connected to said external conductor at the ends of the conductors projecting from said casing, a reactance element connected between said conductors at the inner ends thereof within said casing, and a current responsive device mounted in said casing and electrically connected across said reactance element.

2,276,744

GUM WRAPPING MACHINE

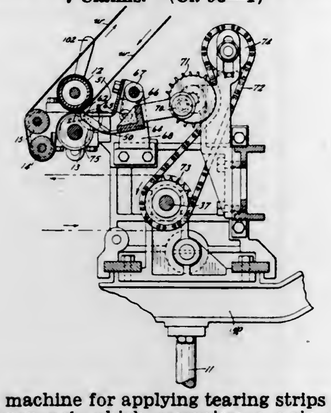
Elmer Lovell Smith, Longmeadow, and Carl E. Melhorn, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application December 7, 1939, Serial No. 307,996
33 Claims. (Cl. 93—4)



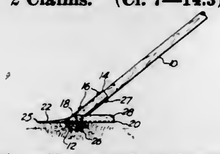
1. In a wrapping machine, an intermittently rotatable pocketed tumble box, an article magazine located in close adjacency to the tumble box, means for locating a wrapper between the magazine and the tumble box, a pusher for conveying articles from the magazine into a pocket of the tumble box and having a width substantially less than that of the articles, and mechanism for moving the pusher in a substantially straight path to carry an article from the magazine into the tumble box and then in a curved return path below the magazine to its initial position.

2,276,745
TEARING STRIP APPLYING DEVICE
Elmer Lovell Smith, Longmeadow, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application March 6, 1941, Serial No. 382,022
7 Claims. (Cl. 93—1)



1. A machine for applying tearing strips across a wrapper web which comprises a pair of web feed rolls, a shelf adjacent the bite of the rolls, means for placing an adhesive tearing strip on the shelf, and a pusher operable in timed relation to the web to engage one lateral edge of the tearing strip to shift it laterally from the shelf into the bite of the rolls.

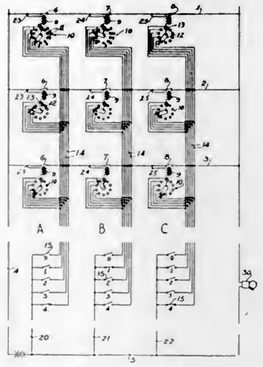
2,276,746
WEED DIGGING AND GATHERING TOOL
James W. Steele, North Kansas City, Mo.
Application May 17, 1939, Serial No. 274,122
2 Claims. (Cl. 7—14.3)



1. A plant cutting and gathering tool comprising a handle, a rake device formed with teeth and having a channel-shaped shank portion embracing and secured to one end of said handle with said teeth extending transversely across the axis of the handle, and a spading or digging member having a forked cutting terminal and a channel-shaped shank portion embracing the sides of said rake shank portion and pivoted thereto for movement about an axis intersecting said handle axis and at right angles to said rake teeth, said spading member extending normally in a plane parallel to the axis of said handle but spaced therefrom and provided with openings permitting the passage of the rake teeth therethrough when said spading member is pivoted to expose said teeth for the raking operation, said openings registering substantially flush with the ends of said teeth when said spading member is in said normally parallel relation to said handle axis.

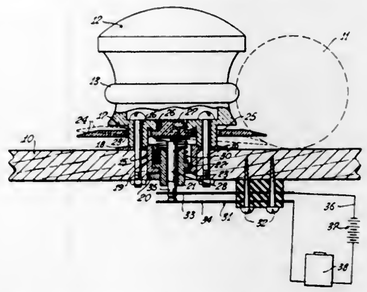
2,276,747
SELECTOR
Adam P. G. Steffes, Los Angeles, Calif.
Application November 12, 1938, Serial No. 240,192
6 Claims. (Cl. 177—311)

1. In a selector, an electrical circuit, contactors in series in the circuit, an actuator for each contactor, an operating connection for each actuator, and a control for each operating connection, the controls being operable independently of one another for selective operation of one or more controls, the operating connection for the actuator for a first contactor of the series having its associated actuator connected thereto independ-



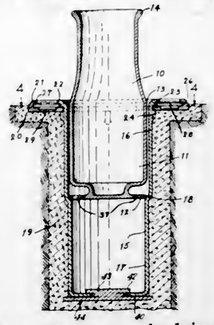
ently of the other contactors of the series, and the operating connection for the actuator for each succeeding contactor of the series having its associated actuator and the preceding contactors of the series connected in series in said operating connection for functioning of said operating connection dependently upon actuation of said preceding contactors.

2,276,748
SWITCH MEANS FOR BALL ROLLING GAMES
Harry Thompson, Chicago, Ill., assignor to Genco Mfg. Co., Chicago, Ill., a partnership composed of Louis W. Gensburg, David Gensburg, and Myer Gensburg
Application May 19, 1941, Serial No. 394,155
2 Claims. (Cl. 200—52)



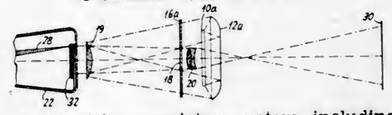
1. In combination, a table, a base having a sleeve formation embedded in the table, a switch structure comprising a pair of contact elements arranged beneath said sleeve formation, a member on said base and free to tilt in various directions, upon engagement with a rolling object, means arranged in said sleeve for vertical movement, a spring normally urging said means toward said member and adapted to permit said means to engage said switch structure when said member is tilted by a rolling object to effect engagement of said contact elements.

2,276,749
GROUND VASE
Jewell W. Vanderveer, Erie, Pa.
Application April 17, 1939, Serial No. 268,292
2 Claims. (Cl. 47—41)



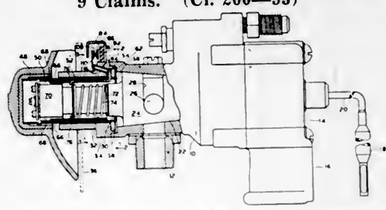
1. In a ground vase embodying a cylindrical tubular retainer having an internal shoulder intermediate its ends, a plate in the ground subjacent said retainer and means in said plate coordinated with the base of the retainer for the detachable anchorage thereof.

2,276,750
TELEVISION IMAGE PROJECTION SYSTEM
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application March 18, 1940, Serial No. 324,540
In Germany November 30, 1938
3 Claims. (Cl. 178—7.5)



1. A television receiving system including a cathode ray tube, a target area in said tube, means in said tube for electrically and cyclically scanning the target area with a modulated beam of electrons at a predetermined rate, said target area comprising a crystal plate, means for intermittently projecting polarized light against the unscanned surface of the target, the intermittent rate of projection being greater than the scanning rate and bearing a whole number ratio with respect thereto, and means including a projection lens for directing the light reflected from the target area upon an observation screen.

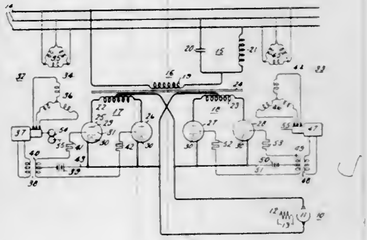
2,276,751
LIGHTING DEVICE
Victor Weber, Greensburg, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application September 21, 1940, Serial No. 357,692
9 Claims. (Cl. 200—53)



1. The combination of fuel control means and

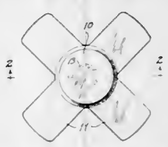
an electrical ignition switch, said means being adapted to be closed and opened, comprising means to lock said fuel control means closed, switch contacts movable to an open position by said locking means when said fuel control means is closed, and means for releasing said fuel control means for movement to open position and simultaneously closing said contacts.

2,276,752
ELECTRIC CONTROL CIRCUITS
Clodius H. Willis, Princeton, N. J., assignor to General Electric Company, a corporation of New York
Application August 25, 1939, Serial No. 291,915
8 Claims. (Cl. 172—274)



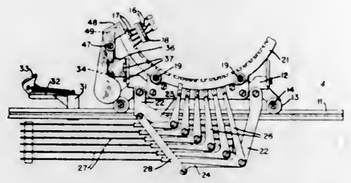
1. In combination an alternating current circuit of constant potential, means energized from said alternating current circuit for transforming the constant potential alternating current to alternating current of constant value, a variable speed reversible dynamo-electric machine, a pair of electric valve means interposed between said first-mentioned means and said dynamo-electric machine for transmitting energy therebetween, said electric valve means being reversely connected with respect to said dynamo-electric machine and means for controlling the conductivities of said electric valve means simultaneously in opposite directions to cause said dynamo-electric machine to rotate in either direction at variable speed.

2,276,753
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 12, 1940, Serial No. 365,179
10 Claims. (Cl. 287—53)



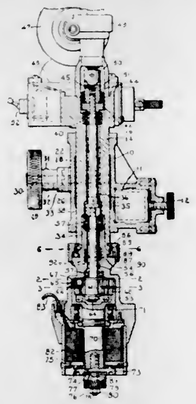
1. Means for axially engaging a sleeve and a fluted stem against relative rotation, such means comprising a tubular insert disposed in a cylindrical opening in an end of said sleeve, means for preventing rotation of said insert in said sleeve, and a pair of spaced, parallel longitudinal slits in said insert extending from one end part way only to the other end to produce flexible fingers integral with the body of the insert, said fingers being V-shaped in transverse cross section with the terminal portions of said V-shape directed inwardly for engagement with a fluted stem.

2,276,754
MOTION CONTROLLING APPARATUS
Raymond E. Zenner, Brookfield, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 13, 1939, Serial No. 304,059
13 Claims. (Cl. 178—27)



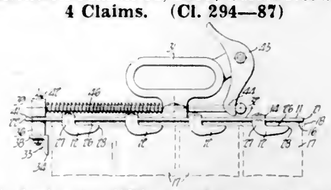
1. In a printing telegraph apparatus, a type bar carriage movable for character spacing and returnable to a beginning-of-line position, a plurality of type bar selecting code bars extending in the direction of movement of said carriage and slidably supported thereby, means for arresting said carriage at the beginning-of-line position, and means including an element cooperating with said code bars for preventing movement of said code bars due to their inertia as said carriage is arrested.

2,276,755
TRACER AND TEMPLATE-FOLLOWER APPARATUS
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1940, Serial No. 329,405
14 Claims. (Cl. 33—23)



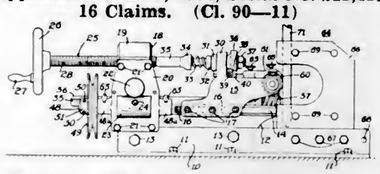
1. A template-follower unit for connection with a movable frame of a universal cutting or welding machine, said follower comprising a template-follower roller that contacts with the edge of a template, a housing with bearings supporting the rollers, a drive shaft, and motion-transmitting connections between the drive shaft and roller including an epicyclic gear train that drives the roller at a speed slower than the drive shaft speed, one gear of said train being connected with the drive shaft and another gear of said train being fixed in the housing.

2,276,756
CONTAINER CARRIER
Paul Agrillo, Gilroy, and Clifford C. Dawson, Oakland, Calif.; said Agrillo assignor to said Dawson
Application March 31, 1939, Serial No. 265,354
4 Claims. (Cl. 294—87)



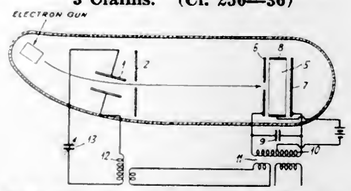
1. A device for lifting and carrying a plurality of containers each having a circumscribing bead and arranged in side-by-side relation, a supporting member, a plurality of laterally spaced members carried by and depending from said first member and having a lateral spacing substantially equal to the width of said containers adjacent said bead and each of said second named members having a lateral thickness less than twice said bead thickness so as to enter the space between a pair of said containers positioned in side-by-side engagement of the beads thereon.

2,276,757
LABORATORY MILLING MACHINE
Wilbert J. Baines, Pittsburgh, Pa.
Application June 2, 1938, Serial No. 211,419
16 Claims. (Cl. 90—11)



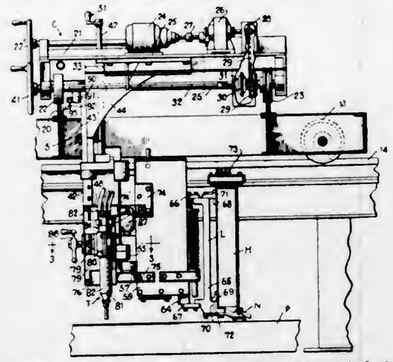
1. A laboratory milling machine comprising a slidable carriage, a rotatable milling cutter mounted on said carriage, a clamp assembly adapted to hold a work piece, mechanism for advancing said carriage and cutter until the latter contacts such work piece and mechanism for rotating said cutter and for further advancing it to a predetermined amount to remove material from said work piece.

2,276,758
ELECTRONIC BEAM DEFLECTION CIRCUITS
Ernst Brueche, Berlin-Reinickendorf, and Alfred Recknagel, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 26, 1939, Serial No. 275,822
In Germany January 22, 1938
3 Claims. (Cl. 250—36)



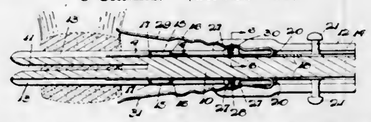
1. In a cathode ray tube apparatus, means for developing a cathode ray beam, means for deflecting said beam comprising a pair of electrostatic deflecting plates, an apertured member positioned immediately adjacent said deflecting plates whereby the cathode ray beam can pass through the aperture in said member only during definite and limited phases of energizing potential to be applied to said deflecting plates, target means comprising electron multiplier means having opposed plate members, a tuned circuit connected between the opposing plate members of said multiplier and means for feeding back a portion of the energy in said tuned circuit and impressing said fed back energy onto said deflecting means as energizing potential.

2,276,759
BILLET CONDITIONING APPARATUS
James H. Bucknam, Cranford, and Alfred J. Miller, Garwood, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Original application April 24, 1937, Serial No. 138,717, now Patent No. 2,189,753, dated February 13, 1940. Divided and this application August 19, 1939, Serial No. 291,020
15 Claims. (Cl. 266—23)



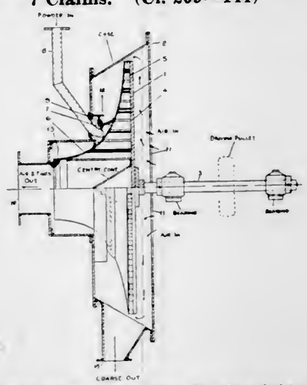
1. Apparatus for conditioning a metal body such as a steel ingot or billet and the like comprising, in combination, cropping means for cutting off a portion of said body near one end thereof to provide a square edge at the starting end of a surface to be treated; desurfacing means for removing a layer of metal from said surface; a carriage for supporting both said cropping means and said desurfacing means for movement relatively to said body; mechanism for adjusting said cropping means and said desurfacing means on said carriage and relatively with respect to said surface of said body; and means for propelling said carriage both transversely of and lengthwise of said body.

2,276,760
HAIR CURLER
Mariano E. Carbonel, Philadelphia, Pa.
Application April 12, 1941, Serial No. 388,317
5 Claims. (Cl. 132—33)



1. A hair curler including a mandrel rotatable to wind a lock of hair thereon to form a coil and provided with a groove having lateral pockets, a hair pin shifter retractable in the groove and including a head, diverging spring shanks extending from the head, complemental jaws carried by the free ends of said shanks and urged apart thereby into said pockets to release a pronged hair pin therebetween in a forward position of the shifter but movable into the groove to engage and retract the pin as the shifter is retracted, and a spreader carried by one of the jaws to enter between and spread the prongs of the pin when the shifter is retracted, the shifter being movable forwardly to shift the pin into engagement with said coil and release the pin.

2,276,761
APPARATUS FOR THE CLASSIFICATION OF MATERIAL
Windham Francis Carey, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application February 14, 1938, Serial No. 190,479
In Great Britain February 15, 1937
7 Claims. (Cl. 209—144)



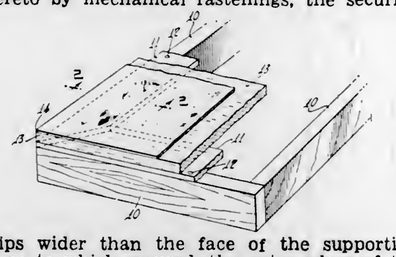
1. A device for separating finely divided solids according to size comprising a casing, a rotor within said casing, walls on said rotor forming passages extending inwardly from the periphery of said rotor a major portion of the distance to the center thereof, means providing an exit from the center of said rotor, means for rotating said rotor, means for producing a current of air inwardly through said passages and out through said outlet, means for introducing finely divided solid material into said current of air, said walls being so formed as to confine the current of air during its passage from the periphery to the exit and being so shaped that the cross sectional area of said passages increases from the periphery of said rotor for a major portion of the distance from the periphery to the center thereof at such a rate that the resultant of the centrifugal force and the force of the inwardly flowing current of air will tend to move any given particle only inward throughout the radial extent of said passages or only outwardly throughout the radial extent of said passages, depending on the size and mass of said particle.

2,276,762
WITHDRAWN

2,276,763
CONSTRUCTION UNIT
Walter W. Colpitts, Princeton, N. J., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application October 15, 1938, Serial No. 235,146
1 Claim. (Cl. 20—4)

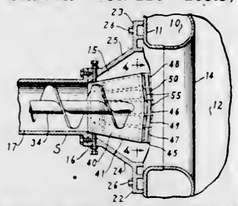
A building construction unit adapted for erec-

tion together with other similar units to provide a wall construction, the construction unit comprising a closed perimetric supporting frame composed of a plurality of structural supporting strips connected at the ends one to another providing a shallow open faced box like structure, securing strips of a width greater than the structural supporting strips secured to an edge face of the perimetric supporting frame and secured thereto by mechanical fastenings, the securing



strips wider than the face of the supporting frame to which secured, the outer edges of the securing strips substantially flush with the outer faces of the structural supporting strips and extending inwardly beyond the inner faces thereof and a facing sheet peripherally mounted on and adhesively secured to the exposed face of the securing strips, the building construction unit resulting having no mechanical fastenings extending through the facing sheet to secure the facing sheet to the supporting frame.

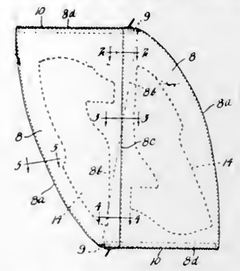
2,276,764
STOKER
Charles R. Davison, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application March 16, 1939, Serial No. 262,213
6 Claims. (Cl. 110—105.5)



1. In a stoker having a conduit for feeding fuel into a furnace through an opening in an upright wall thereof, a pressure fluid jet head at the lower forward end of said conduit provided at its foremost end with a jet face, means providing a plurality of transversely separated chambers within said pressure fluid head rearward of said face, each of said chambers arranged to receive fluid under pressure, said face being provided with a plurality of upwardly and forwardly inclined laterally distended slots arranged to issue thin, sheet-like blasts of pressure fluid toward said furnace, and means for urging substantially all the fuel through said conduit over said jet head and into the zone of action of such pressure fluid blasts.

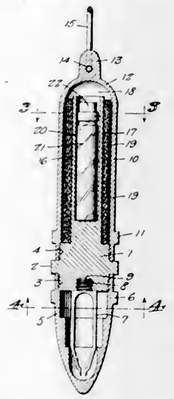
2,276,765
SHOE BAG
Susie Horn De Gree, Granite Falls, Minn.
Application October 25, 1939, Serial No. 301,221
2 Claims. (Cl. 150—52)

1. A container for a pair of shoes formed of fabric and comprising right and left flat bags, each bag comprising opposite side walls of substantially right triangular shape, each side wall having a hypotenuse edge, an altitude edge and a base edge, the altitude edge of each side wall being of less length than the base edge, the hypotenuse edges of the two side walls of each bag being joined together from the altitude edges to points spaced a short distance from the base edges but being unsecured together closely adjacent the base edges, the base edges of the opposite side walls of one bag being secured to corresponding base edges of the side walls of the other bag and the altitude edges of the opposite side walls being unsecured, the side walls being assembled to form a structure of generally rhomboid shape in plan view and with the



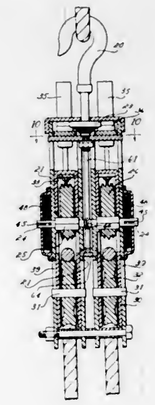
hypotenuse edges of the opposite side walls of both bags being disposed outwardly, closure means at the altitude edges for the respective ends of the container, and an elongated partition dividing the container into two compartments and having its side edges secured to the base edges of the side walls of the bags at opposite sides of the container, the end edges of said partition being folded on themselves in opposite directions when the container is collapsed and one end edge of said partition being secured to the otherwise unsecured portions of the hypotenuse edges of the opposite sides of one bag and the other end edge of said partition being secured to the otherwise unsecured portions of the hypotenuse edges of the opposite sides of the other bag.

2,276,766
POCKET FIRST-AID KIT
Stanley Rice De Witt, Maynard, Mass.
Application July 13, 1939, Serial No. 284,358
2 Claims. (Cl. 206—12)



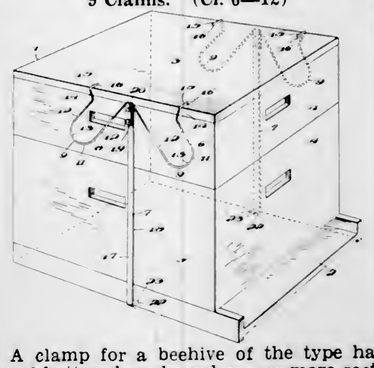
1. A pocket first-aid kit, comprising an intermediate cylindrical body, said body stepped to form a central annular collar for grasping the same, a cap-like closure removably secured on the lower end of the body, an elongated axial extension at the opposite end of the body and of a diameter considerably less than that of the body, said extension being cored axially from its outer end to provide a receptacle for a container, said extension constituting a mandrel for the winding thereon of a flexible bandage, and a separate hollow cap carried by the body and enclosing the extension and bandage wound thereon.

2,276,767
SAFETY PULLEY BLOCK
Charles Dubuque, Newark, N. J., assignor to George G. Morin, Holyoke, Mass.
Application October 26, 1939, Serial No. 301,348
6 Claims. (Cl. 254—188)



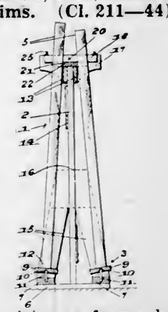
3. In a pulley rig, a safety pulley block comprising a supporting member adapted to be attached to an anchorage, a pulley mounted for rotation on a horizontal shaft below the supporting member, a braking member for a rope carried over the pulley, said braking member being located between the pulley and the supporting member and in a common plane with the pulley, a first housing for the pulley shaft and a second housing for the braking member, separate spring means connecting each of said housings to the supporting member and normally holding said housings with the periphery of the pulley spaced sufficiently from the braking member to permit easy passage of the rope between the brake and pulley but permitting each housing to be pulled downwardly in a common plane against the tension of the spring means and means on said second housing for exerting tension on said housing and moving said housing to a position spaced downwardly from the normal position when said first housing is moved downwardly, latching means for releasably holding said second housing in said downward position, means operatively connected with said braking member for releasing said latching means when the rope, passing over said pulley and holding said first housing downwardly with the rope disengaged from the braking member, breaks and engages the braking member.

2,276,768
BEEHIVE CLAMP
Bernard L. Flanagan, Wellsville, N. Y., assignor to Flanagan Supply Company, Wellsville, N. Y., a partnership composed of Clarence J. Flanagan and Bernard L. Flanagan
Application October 18, 1940, Serial No. 361,782
9 Claims. (Cl. 6—12)



1. A clamp for a beehive of the type having top and bottom boards and one or more sections intermediate said boards, said clamp comprising an energized spring means having portions thereof adapted to be removably secured to one of said boards, and link means having one end rigidly interlocked with an intermediate portion of said spring means, said link means having another end thereof adapted to be removably secured to the other of said boards.

2,276,769
RUG DISPLAY RACK
Asa W. Foster, Goreville, Ill.
Application June 26, 1940, Serial No. 342,578
8 Claims. (Cl. 211—44)

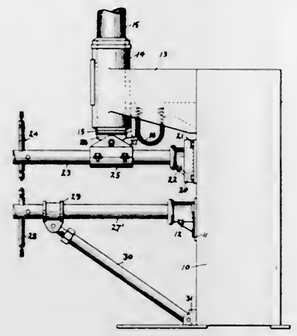


1. A rack comprising a frame having a base and a head, at least one rotatable turn-plate mounted on the base in a position in horizontal advance of the head thereby to support a rolled rug upon said plate in a leaning position against said head, and means embodied in said base and turn-plate providing for self-adaptation of the turn-plate to an unsymmetrical rug roll end.

2,276,770
ELECTRODE CARRYING ATTACHMENT FOR WELDING MACHINES
Vernor Wayne Green, Shrewsbury, Mass., assignor to Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application June 11, 1940, Serial No. 339,895
6 Claims. (Cl. 219—4)

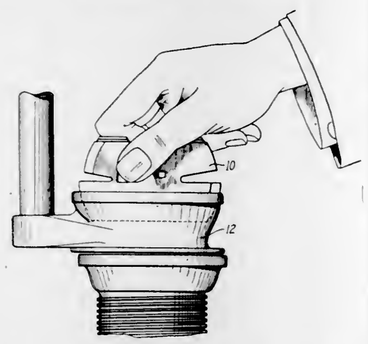
1. An electrode carrying attachment for a

press type electric spot welding machine having a frame and a longitudinally movable electrode moving member comprising an elongated arm adapted to be pivotally and detachably connected at one end thereof with said frame, a member



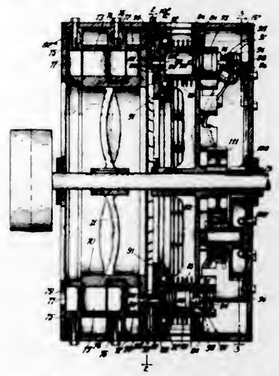
adapted to be secured to one end of said longitudinally movable member, means pivotally connecting said arm intermediate the ends thereof with said second mentioned member, and means on said arm adjacent the end thereof opposite said pivoted end to support an electrode.

2,276,771
FLUSH VALVE SEAT FORMING TOOL
Roland G. Hawker, Kingfield, Maine
Application May 29, 1936, Serial No. 82,535
6 Claims. (Cl. 29—103)



4. A valve seat cutter of generally flat wedge form and having two flat wedge-forming faces lying in intersecting planes symmetrically located on opposite sides of a central axis, and also having two curved ends each provided with two cutting edges formed of circular arcs of a common radius and having a common center located in the central axis, one cutting edge on one end and one cutting edge on the other end constituting one pair of cutting edges, and the remaining cutting edges constituting a second pair of cutting edges, said cutting edges and flat faces being relatively so positioned that if the respective arcs of each pair be joined so as to form two continuous arcs, those continuous arcs will intersect each other in a point lying in the line of intersection of the said intersecting planes.

2,276,772
TURBINE
William A. Heap, Mulvane, Kans., assignor of one-fourth to Furman Williams, Canadian, Tex., and one-fourth to Gene Howe, Amarillo, Tex.
Application March 11, 1938, Serial No. 195,223
1 Claim. (Cl. 60—13)

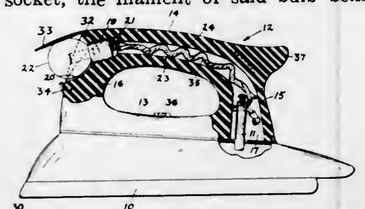


A turbine of the character described comprising an annular casing with an annular immovable wall whereby the casing is divided into two compartments, the immovable wall being provided with ports arranged in a circumferential row and in predetermined spaced relation, certain of the ports being circumferentially elongated and constituting fuel supply ports while the alternate ports constitute discharge ports arranged adjacent the respective supply ports; ignition points mounted in said immovable wall adjacent and in advance of each discharge port; an annular member rotatably mounted in one compartment of the casing substantially parallel with said immovable wall; a plurality of internal combustion cylinders secured to said annular member in circumferentially spaced relation with their ported ends arranged in gas-sealing relation with said immovable wall and adapted to successively register with the ports therein; pistons reciprocatingly mounted in the cylinders and provided with jaws on their outer ends; a fixedly secured annular member mounted in the compartment of said rotatable annular member provided with an undulating cam surface arranged between the jaws of the pistons whereby the latter are reciprocated through their intake and exhaust strokes when the first mentioned annular member with the cylinders is rotated; rotor means arranged in the other compartment of the casing in gas-sealing relation with the adjacent side of said immovable wall and having circumferentially arranged vanes adapted to register with said exhaust ports in said immovable wall; and means adapted to be actuated by said rotor means and operatively connected with said first mentioned annular member whereby the cylinders are moved through an annular path at a predetermined speed correlated with the speed of rotation of the rotor means.

2,276,773
ELECTRICALLY HEATED IRON
Hans U. Hedeby, Youngstown, Ohio
Application May 27, 1939, Serial No. 276,143
3 Claims. (Cl. 240—2)

1. In combination with an electrically heated sad iron, a handle therefor comprising a body portion having a generally horizontal hand grip

portion and vertically extending portions depending downwardly from the ends of said hand grip portion, a recess extending rearwardly from an end wall of said body and being provided with a concaved portion for the partial reception of the bulbous glass part of a light bulb and an inwardly extending portion for the reception of a light bulb socket, a light bulb in said socket, the filament of said bulb being so

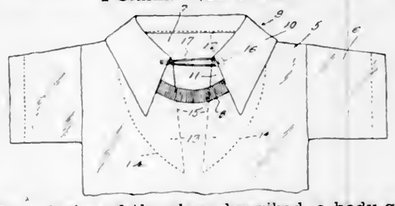


located that any line interconnecting the forward tip of said iron and any part of said filament passes closely outside the lower outer edge of said recess, a second recess extending upwardly from a lower surface of said handle to receive portions of current conducting members extending upwardly from the heating body of said iron, and a passageway for a current conductor interconnecting said recesses.

2,276,774
OXIDIZING HYDROCARBONS
Clyde O. Henke, Wilmington, Del., and Roland G. Benner, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 8, 1940, Serial No. 339,496
20 Claims. (Cl. 260—524)

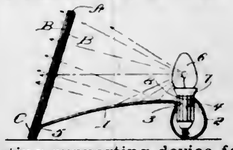
1. In the process of producing aromatic carboxylic acids by oxidizing an alkyl benzene in the liquid phase in a lower aliphatic acid as a solvent at temperatures of from about 150° C. to about 250° C. wherein the oxidation is catalyzed by a cobalt oxidation catalyst, the improvement which comprises carrying out the oxidation in a vessel composed of a chromium-bearing steel and in the presence of an acetic acid soluble compound of a metal of the group consisting of lead and barium.

2,276,775
GARMENT
John H. Hewton, Rome, N. Y.
Application August 23, 1939, Serial No. 291,597
1 Claim. (Cl. 2—95)



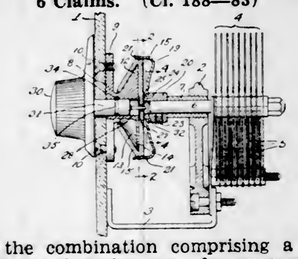
In a device of the class described, a body garment having a circular neck opening, a collar secured directly to the rear edge of said neck opening, said collar having free end portions, a pair of tapering portions secured only along their outer edges to the inside of the front of the garment from a point where the collar and shoulder line intersect to a point below the sleeve line of the garment, said portions having their upper edges secured to the free end portions of the collar, the inner edges of said portions being free of the garment, said collar overlying the edge of the circular neck opening throughout the collar length, said collar being adapted to fold wholly within the garment.

2,276,776
TRANSPARENCY SUPPORTING DEVICE
William Hofmann, Buffalo, N. Y.
Application March 6, 1941, Serial No. 382,068
3 Claims. (Cl. 40—130)



1. A reflecting supporting device for a framed transparency, comprising a substantially rectangular sheet like body, substantially cylindrical means formed on and extending below said body at one end thereof for supporting the body in an elevated position, a flange formed on the opposite end of the body for frictional engagement with the framed transparency to hold the latter at an inclination toward and above said body, and said body being slightly curved upwardly and having a mirrored upper surface for reflecting light toward and through the transparency.

2,276,777
BRAKING MECHANISM
Roger F. Horton, Cleveland Heights, Ohio
Application April 11, 1940, Serial No. 329,203
6 Claims. (Cl. 188—83)

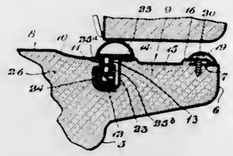


1. In the combination comprising a rotarily adjustable part and means for supporting the same; a fixed circular external braking surface, braking means connected to said part in a manner to turn it and having a radially movable internal braking surface bearing normally against said fixed surface to hold said part in adjusted position, and a rotarily supported adjusting device having a stem coaxial with the fixed braking surface and readily movable into and out of contact with a brake releasing portion of said braking means and cooperable with the braking means in a manner to release the braking pressure thereof and turn the braking means bodily when the adjusting device is turned, whereby to effect adjustment of the adjustable part.

2,276,778
REFRIGERATOR CABINET CONSTRUCTION
Robert Winter Hull, Connersville, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa.
Application May 18, 1938, Serial No. 208,683
5 Claims. (Cl. 20—35)

1. In refrigerator cabinet construction, a door

having spaced inner and outer metal walls formed of sheet metal, said inner wall including a door liner and a frame member surrounding said liner and connected at its outer edge to said outer wall, the contiguous edge portions of said



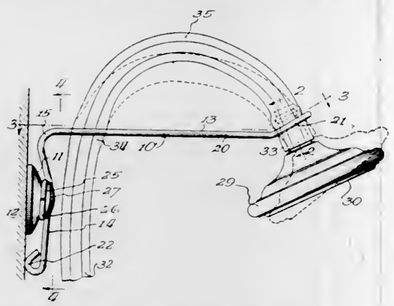
liner and frame member being formed with inturned confronting flanges spaced from one another providing a recess therebetween, and a gasket member having a web portion interlocked with one of said flanges and anchored in said recess.

2,276,779

SUPPORTING BRACKET FOR SPRAY DEVICES

Stanley Isenberg, Chicago, Ill.

Application August 14, 1939, Serial No. 290,005
3 Claims. (Cl. 248—75)



3. A shower spray bracket for application to a relatively stationary support, comprising a bracket having a pair of arms arranged substantially at right angles to each other, a cross arm attached to one of said arms intermediate the ends thereof and having a pair of rubber suction cups attached to the ends of said cross arm whereby said bracket may be caused to adhere to said wall, fulcrums provided at either end of said first arm for bearing against said support, said second arm having means whereby a shower spray head may be operatively associated therewith, said fulcrums serving to limit motion of said second arm in either direction about said suction cups and said cross arm.

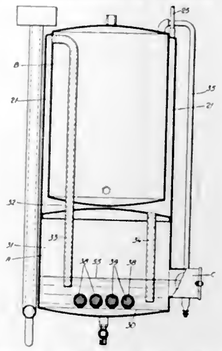
2,276,780

STEAM BOILER WITH A FEED WATER PREHEATER

Birger Johansson, Jonkoping, Sweden

Application November 14, 1938, Serial No. 240,415
In Sweden March 12, 1938
3 Claims. (Cl. 122—457)

1. A steam generating system comprising a furnace, a relatively small boiler associated with said furnace, a feed water preheater, means connecting said preheater and said boiler, a water jacket surrounding said preheater, means connecting said water jacket and said boiler so that hot water from said boiler may heat said preheater and a float-controlled valve controlling said first named connecting means in order to



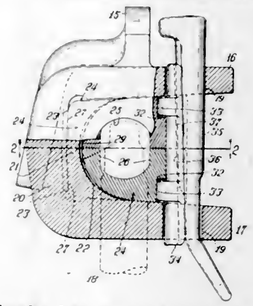
control the water passing from said preheater to said boiler.

2,276,781

BRAKE HANGER SUPPORTING AND RETAINING MEANS

Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1941, Serial No. 395,436
8 Claims. (Cl. 188—209)



1. In brake hanger supporting and retaining means, the combination of an open sided bracket with laterally disposed and vertically spaced jaws united at their inner ends by a substantially vertical wall and by a vertically extending rib intermediate the opposite sides of the jaws, the vertical wall on opposite sides of the rib presenting wide bearing surfaces, and a pair of hanger holding blocks insertible between said jaws, the rear longitudinal sides of said blocks being formed with substantially flat surfaces adapted to seat against the bearing surfaces on the vertical wall of the bracket, said blocks being provided with recesses intermediate their ends adapted to receive said bracket rib and prevent longitudinal movement of the blocks.

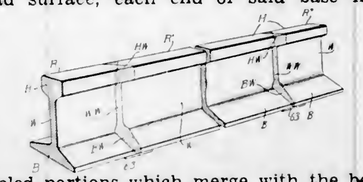
2,276,782

PRODUCTION OF BUTT-WELDED RAIL JOINTS, AND RAIL ADAPTED FOR USE THEREWITH

Paul C. Jones, Niagara Falls, N. Y., assignor to The Oxweld Railroad Service Company, a corporation of Delaware

Application September 14, 1938, Serial No. 229,843
18 Claims. (Cl. 113—112)

1. A steel rail adapted for use in the production of a substantially continuous butt-welded track, the said rail having a head, a web and a base, said head having a tread surface, each end of said head and said web having beveled portions disposed between planes intersecting along a line substantially perpendicular to said tread surface, each end of said base having



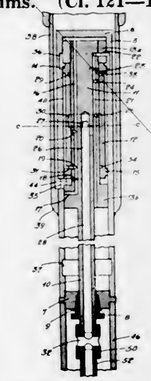
beveled portions which merge with the beveled portions of said web whereby, when such rail is positioned in longitudinal alignment with a similarly shaped end of another rail as set forth, continuous grooves extending from the lateral edges of said base to said tread will be provided to receive weld metal for uniting the respective heads, webs and bases of such rails.

2,276,783

FLUID OPERATED MOTOR FOR DEEP WELL PUMPING EQUIPMENT

Glen Kennedy and C. C. Cole, Whittier, Calif.

Application November 7, 1938, Serial No. 239,258
6 Claims. (Cl. 121—123)



1. In a fluid operated motor: a motor body providing a chamber; a piston slidable in said chamber providing a valve space, a valve in said space, a port opening through one end of said piston, another port opening through the opposite end of said piston, one of said ports cooperating with a suitable passage provided by the chamber at one extreme limit of piston travel and the other of said ports cooperating with another chamber passage at the opposite extreme limit of piston travel to set up a passage in each case for the discharge of fluid from said valve space into that end of said chamber closed off from exhaust at that time.

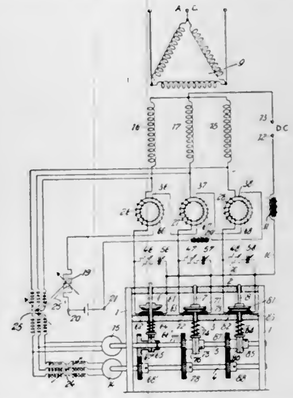
2,276,784

CONVERTER AND RECTIFIER

Floris Koppelmann, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application January 25, 1937, Serial No. 122,232
In Germany January 4, 1936
32 Claims. (Cl. 175—364)

1. A polyphase arrangement for periodically interrupting alternating current comprising an alternating-current source, a circuit breaker connected to each phase of said source, controllable means in each phase for periodically decreasing the current intensity in the neighborhood of the zero value of the current by distorting the current curve, a synchronous motor, a current path including a voltage biasing impedance connected in each phase in parallel to said circuit breaker,



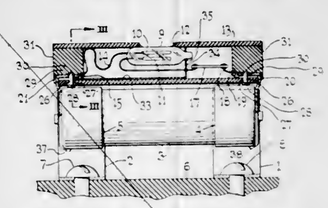
a mechanical connection between said synchronous motor and said circuit breakers adapted to open the contacts of the circuit breaker in rhythm of the alternating current during the time interval of the current intensity reduced by said means, and means for varying the duration of the closure of the contacts of said circuit breakers so as to thereby vary the output voltage of the arrangement.

2,276,785

FUSE INDICATOR

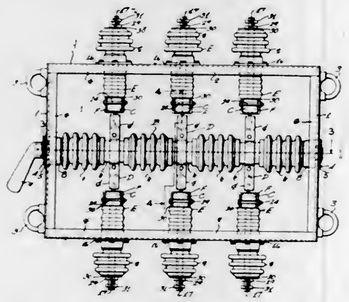
Frank C. La Mar, Tucson, Ariz.

Application November 19, 1940, Serial No. 366,255
4 Claims. (Cl. 200—121)



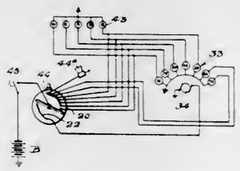
2. An indicator for fuses, including a casing, a lamp within the casing, conductor clips, means for electrically connecting said conductor clips to said lamp, said casing having recesses formed at each end thereof, tongues formed with said conductor clips and projecting into said casing, said clips also formed with a neck portion fitting into said recesses, rivets, one passing through each tongue and the casing and securing the tongues to the casing, insulating resilient plugs, each formed with a flat face, one driven into each end of the casing with the flat face abutting the said tongue and each conductor clip formed with a talon for detachably connecting the indicator to a fuse.

2,276,786
DISCONNECTING SWITCH
William H. Lindae, St. Louis, Mo., assignor of one-half to Joseph P. Pohrer, St. Louis County, Mo.
Application April 15, 1940, Serial No. 329,774
12 Claims. (Cl. 200—8)



1. An electric switch including a shell, a contact-blade comprising oppositely disposed component members each including an intermediate annular section embracing said shaft, a flanged arm projecting from one end of said section, and a U-shaped arm projecting from the opposite end of said section and embracing the flanged arm of the component member, bolts securing the respective flanged and U-shaped arms together and said members upon the shaft, and contact-plugs carried by each of said U-shaped arms for electrical engagement with a co-operable terminal.

2,276,787
ELECTRIC MILEAGE AND SPEED INDICATOR
Giles S. Moore, Indianapolis, Ind.
Application February 14, 1938, Serial No. 190,492
7 Claims. (Cl. 177—311.5)



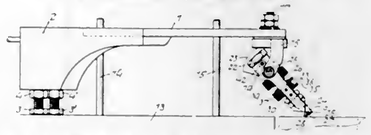
5. In combination with a vehicle having means for propelling the same, a driven member having an operative connection with said propelling means and movable in direct relation with the speed of travel of the vehicle, a plurality of lights arranged in series to indicate in consecutive order the speed of travel of the vehicle, an odometer for indicating the total mileage traveled by the vehicle, a rotary electric motor for driving the odometer, a source of electrical energy such as a battery, a series of contacts electrically connected to said lights, a resistance unit electrically connected in circuit with said motor, and a movable switch member having an operative moving connection with said driven member and an electrical connection with said battery, said switch member engaging said contacts to illuminate said lights in consecutive order and simultaneously wipe said resistance means and cause said motor to be driven in relation to the speed of travel of the vehicle.

2,276,788
BUILDING CONSTRUCTION
Ralph F. Norris, Madison, Wis., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1938, Serial No. 215,981
6 Claims. (Cl. 98—40)



1. A sound-absorbing unit of the type described comprising a foundation structure formed from a single piece of self-supporting material, said structure having a broad back surface, relatively narrow sides and means for bracing said sides relatively to said broad back surface, said means comprising bracing members formed by incompletely retroverting the marginal zones of said sheet inwardly and fastening the edges thereof to said back surface, sound-absorbing material disposed within said structure, and a sound-transparent facing diaphragm spanning the area between said sides and enclosing said sound-absorbing material within said structure.

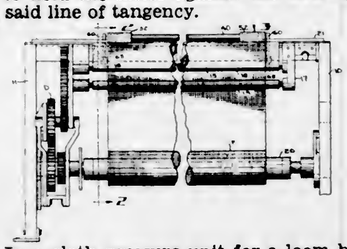
2,276,789
APPARATUS FOR GRINDING DIAMONDS AND THE LIKE
Arpád Nagy, Turnov, Czechoslovakia
Application April 14, 1938, Serial No. 202,091
In Czechoslovakia February 3, 1938
6 Claims. (Cl. 51—229)



1. An apparatus for grinding precious stones and the like comprising a universally mounted fixing member, a transverse support pivotally mounted upon said fixing member, said fixing member having a smooth bore extending longitudinally therethrough, a threaded bolt positioned in said bore, a nut threaded upon said bolt located within a recess in said fixing member for reciprocating said bolt within said bore, said bolt having a longitudinally extending recess therein, a cylindrical member positioned within said recess, said cylindrical member having a resilient threaded portion at one end thereof, a pressing support slidably mounted within said cylindrical member and means for contracting the resilient portion of said cylindrical member upon said pressing support to hold the same in fixed relation to said cylindrical member.

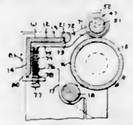
2,276,790
CLOTH PRESSURE MECHANISM FOR TAKE-UP ROLLS
Albert Palmer, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 21, 1941, Serial No. 379,912
11 Claims. (Cl. 139—307)

1. In a loom having a take-up roll to which the woven fabric extends from the weaving point to a line of tangency extending along the upper part of the roll, a pressure unit above the take-up roll having a surface in contact with the cloth, and means attached to the unit for forcing the surface of the unit downwardly against the cloth to hold the latter against the take-up roll along said line of tangency.



10. In a cloth pressure unit for a loom having a take-up roll and bearings for the unit, said unit comprising an elongated rod to extend along and above the take-up roll, said unit comprising also a cylindrical shell at each end of the rod provided with an external friction surface, each shell having a trunnion to be received by the corresponding bearing, and means within each shell and surrounding the rod capable of being clamped to the shell and rod in any one of a plurality of relative positions of the shell with respect to the rod.

2,276,791
CLOTH PRESSURE MECHANISM FOR TAKE-UP ROLLS
Albert Palmer, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application February 21, 1941, Serial No. 379,912. Divided and this application April 28, 1941, Serial No. 390,738
2 Claims. (Cl. 139—304)



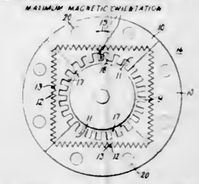
1. In a loom having a breast beam provided with a cloth guide bar and a take-up roll in front of the bar, the cloth extending over the bar and becoming tangent to the take-up roll at a given point on the periphery of the latter, a pressure unit over the take-up roll, carrier means for the unit having engagement with the bar, and means connecting the carrier means to the breast beam to force said pressure unit downwardly on the cloth substantially at said point of tangency.

2,276,792
COMBINED BABY WALKER AND STROLLER
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application April 11, 1940, Serial No. 329,139
5 Claims. (Cl. 155—22)

2. In a combination baby walker and stroller, a horizontally disposed chassis frame, ground engaging wheels carried by said frame, inverted U-shaped side members pivotally connected adjacent the lower ends thereof to the front and rear portions of said chassis frame, horizontally extending brace bars carried intermediate the height of said side members, said side members being movable from active vertical positions to inactive substantially horizontal positions, resilient stop means provided on said chassis to yieldably resist movement of said side members beyond active positions, spacer bars removably engaged with the upper end portions of said side members, fabric seat means supported by said spacer bars, and flexible strap means forming a part of said seat means and removably connected with said side members to prevent separation of said spacer bars and side members.

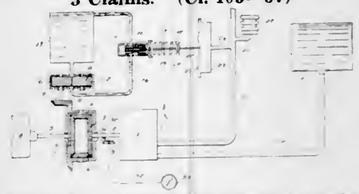


2,276,793
CORE FOR ELECTRICAL DEVICES
David C. Prince, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 30, 1941, Serial No. 391,039
11 Claims. (Cl. 171—252)



1. A core of ferro-magnetic material for electrical devices including a portion having teeth formed in an edge thereof and comprising material having maximum magnetic orientation substantially longitudinally of said teeth, and a second core portion integrally connected to said toothed portion on the side thereof away from said teeth and comprising material having maximum magnetic orientation substantially transversely of said teeth.

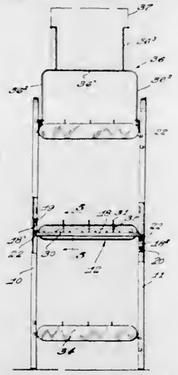
2,276,794
FUEL FEED CONTROL FOR INTERNAL COMBUSTION ENGINES
Francesco Ricci, Guidonia, Italy
Application November 20, 1939, Serial No. 305,389
In Italy December 5, 1938
5 Claims. (Cl. 103—37)



1. A fuel feed control for internal combustion engines comprising a fuel pump, a drive shaft for said pump, a sun gear mounted on said drive shaft, a second sun gear, a shaft for driving said second sun gear, a casing surrounding said sun gears, planetary gears meshing with said sun gears mounted in said casing, a crown gear on said casing and means controlled by the pressure

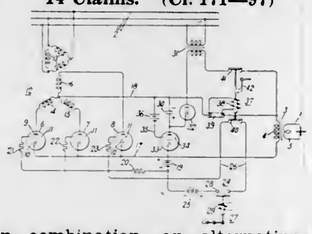
of the fuel fed by said pump controlling the rotation of said casing and thereby the speed of rotation of said pump shaft.

2,276,795
DISPLAY STAND
William Parks Rocker, Atlanta, Ga., assignor to Southern Spring Bed Company, Atlanta, Ga., a corporation of Georgia
Application December 5, 1940, Serial No. 368,704
5 Claims. (Cl. 211—132)



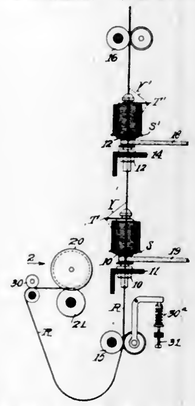
2. A display stand comprising, in combination, spaced substantially parallel vertical frames, spaced parallel horizontal frames extending between said vertical frames, each of said horizontal frames being provided at one side with an upward extension overlapping the adjacent vertical frame and pivotally connected therewith at the end of said extension, a similar downward extension provided on each of said horizontal frames at the side opposite the first named extension, overlapping the other of said vertical frames and pivotally connected at its end with said last named vertical frame, whereby the stand may be collapsed by lifting said second vertical frame relatively to the first vertical frame, bringing the horizontal frames into substantial alignment in a plane intermediate the vertical frames, and means for securing one end of at least one of said horizontal frames to the adjacent vertical frame at the base of one of said extensions, for locking the stand in uncollapsed display position.

2,276,796
ENERGY STORAGE WELDING SYSTEM
George L. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 2, 1941, Serial No. 391,508
14 Claims. (Cl. 171—97)



14. In combination, an alternating current supply circuit, a load circuit, an inductance connected to said load circuit, electric translating apparatus for transmitting unidirectional current to said inductance and comprising electric valve means including control means for controlling the current conducted thereby, excitation means connected to said control means for initiating conduction of current by said electric valve means, commutating means for interrupting the flow of current through said electric valve means and through said inductance thereby effecting the transfer of at least a portion of the electromagnetic energy stored in said inductance to said load circuit, said commutating means comprising a capacitance and a charging circuit for said capacitance including an electric discharge device having a control member, and means responsive to the current transmitted through said inductance for initiating operation of said commutating means and for controlling the potential of said control member.

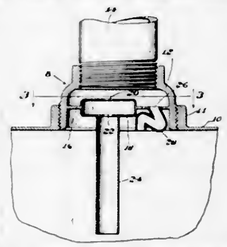
2,276,797
THREAD COVERING APPARATUS
Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application August 15, 1940, Serial No. 352,783
3 Claims. (Cl. 57—16)



1. In a thread covering apparatus, means to give a predetermined stretch to a rubber thread, and means to impart a negative draft to the thread as it is delivered to said stretching means, said negative draft means including feed rolls operating under yielding pressure, and said negative draft being in such amount that the initial tension in the thread is removed and that the thread is fully relaxed as it is delivered to said stretching means.

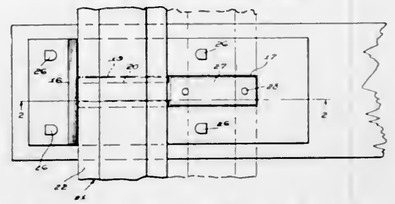
2,276,798
AUDIBLE SIGNALING MEANS FOR TANKS
Frank P. Scully, Cambridge, and Alcide E. Mathey, Auburndale, Mass., assignors to Scully Signal Co., East Cambridge, Mass., a corporation of Massachusetts
Application December 23, 1939, Serial No. 310,696
15 Claims. (Cl. 137—111)

1. A tank having filling and venting means, said venting means having two always open ports leading thereto through which gas escaping from said tank may pass, one of said ports including a fixed whistle, the resistance to flow of gas offered by the other port being such that during filling an adequate volume of gas will pass through said whistle to produce audibility, a tube connected to said whistle and extending downwardly into said tank to alter the flow of gas



through said whistle when the liquid level reaches said tube, the entrance to said other port being above the entrance to said tube.

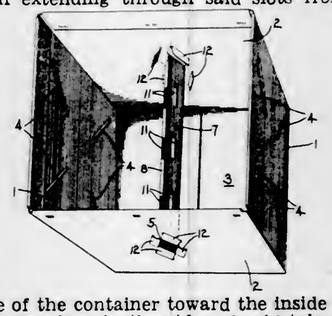
2,276,799
RAIL ANCHORING MEANS
Lee Spencer, Flushing, N. Y.
Application August 1, 1940, Serial No. 349,175
1 Claim. (Cl. 238—315)



In a structure of the class described, in combination, a rail-tie, a tie-plate secured thereon, said tie-plate being provided with a transverse upstanding abutment shoulder at one end portion, being further provided with spike holes and a longitudinally elongated slot, the slot being wide at one end and narrow at the opposite end, the last named end having undercut longitudinal edge portions functioning as retention shoulders, a rail seated on said tie-plate, the base flange of the rail on one side engaging the abutment shoulder, said rail being provided with a rib constituting a key, the rib being on the under side of the base flange of the rail and being adapted to fit into the restricted portion of said slot, the longitudinal edges of said rib being beveled to coact with the undercut shoulders of the slot, the beveled faces of the rib and coacting undercut shoulders of the slot being normally spaced apart in the manner and for the purposes described.

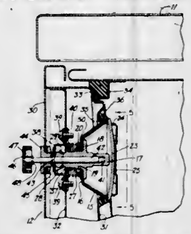
2,276,800
VENTILATED CONTAINER
Clarence B. Sprague, Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application May 2, 1940, Serial No. 332,926
5 Claims. (Cl. 229—6)

1. The combination with a container having a plurality of sides, of ventilating means comprising, openings in two opposed sides of the container, a tube formed of a single length of material folded so that its longitudinal edges overlap, means to secure said overlapped edges together, a plurality of tabs extending outwardly from each end of the tube, slots surrounding the opening in each of said opposed sides and spaced therefrom, said tube extending through said openings between said sides with the tabs thereon extending through said slots from the



outside of the container toward the inside thereof, and openings in the sides of said tube.

2,276,801
DETERGENT CUP FOR WASHING APPARATUS
Edgar S. Stoddard, Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application December 13, 1940, Serial No. 369,974
10 Claims. (Cl. 141—9)

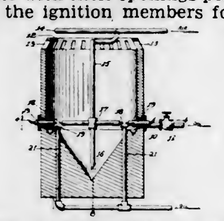


1. In a washing apparatus, a washing vat having a wall provided with an aperture, a detergent cup comprising a flexible diaphragm supported on said wall so as to cover said aperture, said diaphragm having an extended position in which it defines a cuplike member for the reception of a quantity of detergent and an inverted position in which the detergent placed on said diaphragm when said diaphragm is in said first mentioned position is discharged into said washing vat, a cover member adapted to engage the outer periphery of said diaphragm so as to form a closure for the cup portion defined by said diaphragm when it is in said extended position, and means for moving said cover member away from said periphery when said diaphragm is moved to said inverted position.

2,276,802
OIL BURNER
Henry Strautman and Karl Jauch, St. Louis, Mo.
Application September 30, 1940, Serial No. 358,949
1 Claim. (Cl. 158—91)

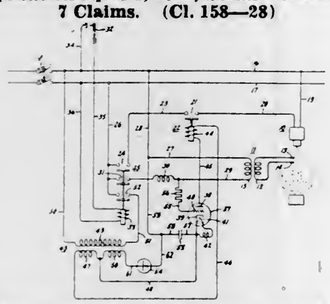
In a burner of the character described, a cylindrical body member having a contracted upper inwardly flared opening and a conical shaped bottom cavity, escape ports formed in the sides of the contracted opening, an air coil located on the top of the contracted opening with a vertical pipe portion of said coil extending downwardly into the conical shaped cavity and terminating in an air nozzle, an ignition means carried by the pipe portion of the coil, ignition means carried by the body member and registering with

the ignition means on the pipe, vertical positioned ignition fuel supply pipes located in the body member with their openings positioned relatively near the ignition members for permitting



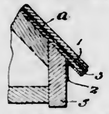
igniting of the ignition oil as it sprays from the pipes, and an oil supporting channel formed in the body member adjacent the vertical fuel pipes for ignition therefrom and into which oil is fed from a suitable source of supply.

2,276,803
CONTROL SYSTEM
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1941, Serial No. 386,332
7 Claims. (Cl. 158—28)



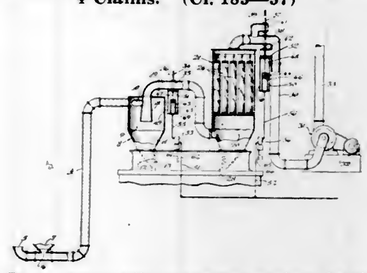
1. A control for a furnace burner having means for producing a flow of combustibles to the furnace and sparking electrodes for igniting the combustibles including an ignition transformer having an inductance in the primary circuit thereof for connecting said sparking electrodes across a source of alternating potential to cause arcing across said electrodes, an electric discharge device, means responsive to the flow of current through said device for completing the circuit through said combustible producing means, means for biasing said discharge device beyond cutoff, and means responsive to peak voltages present across the primary of said transformer when the arcing is present across said electrodes for overcoming said cutoff means.

2,276,804
BINDER FOR THE EXPOSED EDGE OF SHINGLES OR THE LIKE
Frank B. Taylor and Laura Buckwalter, Wichita, Kans.
Application July 22, 1938, Serial No. 220,744
1 Claim. (Cl. 108—26)



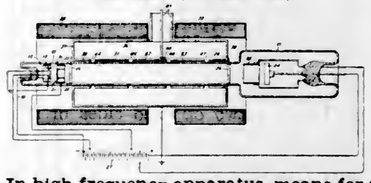
In a roof assembly of the class described comprising a cornice having a facia secured thereto, and plies of shingles for the roof, a marginal portion of the plies extending over the facia of the cornice, a binder comprised of a continuous sheet of metal with respect to cross section, the sheet having a return bend along one of its edges and spaced apart to form a channel receiving two of the plies of the roofing seating snugly therein while another ply of roofing overlaps the leg of the channel positioned above the first named plies of the roofing, the other leg extending beneath the first named plies to where it meets the facia and from thence the last named leg has a bend downward to snugly engage on the facia of the cornice and being secured thereto, the said metallic binder being so constructed, positioned and secured is a means to avoid drooping of the projecting plies of the roofing along the facia of the cornice.

2,276,805
APPARATUS FOR CLEANING FILTER SURFACES OF PNEUMATIC CONVEYER APPARATUS
Edgar B. Tolman, Jr., Chicago, Ill.
Application June 22, 1940, Serial No. 341,934
4 Claims. (Cl. 183—57)



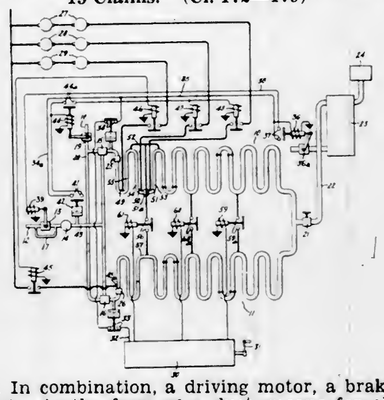
1. In a pneumatic conveyer system having a conveyer and filter course communicating with the source of solid material to be conveyed and including filtering means, and suction-producing means for creating a flow of conveyer fluid in one direction in said course for conveying therein the solid material; means for closing said course at the dusty side of said filtering means, and means for relieving the vacuum produced in said filtering means by said suction-producing means to create a flow of fluid in the opposite direction through the filtering medium of said filtering means for effecting the removal from the filtering medium of material deposited thereon.

2,276,806
HIGH FREQUENCY APPARATUS
Lewi Tonks, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1940, Serial No. 347,744
2 Claims. (Cl. 250—27)



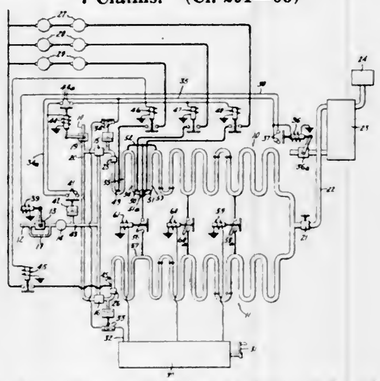
1. In high frequency apparatus, means for producing a compact stream of electrons, a high frequency electrode system wholly outside the path of the stream and comprising spaced conductive parts positioned in proximity to the outer boundary of the stream, high frequency means cooperating with the said electrode system to develop at the gaps between the said conductive parts cyclically varying electric fields which coact with the stream to produce energy conversion effects representable as an inverse function of the radial distance between the electrons acted upon and the outer stream boundary, and means for maintaining the electron density in the stream greater near the outer boundary of the stream than at the center thereof.

2,276,807
VEHICLE DRIVE SYSTEM
John F. Tritle, Jacob W. McNairy, and Charles A. Petersen, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application August 4, 1939, Serial No. 288,372
15 Claims. (Cl. 172—179)



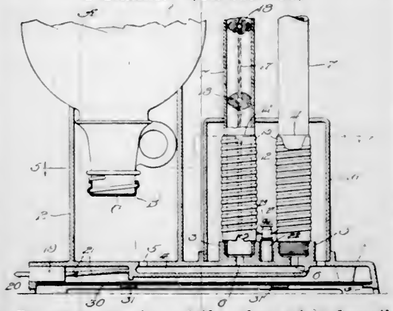
1. In combination, a driving motor, a braking resistor in the form of a duct, means for electrically connecting said resistor to said motor for dynamic braking of said motor, means for passing a cooling fluid through said resistor, and means controlled by a cooling fluid in said resistor for controlling said electrical connections.

2,276,808
RESISTOR
John F. Tritle and Charles A. Petersen, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application July 23, 1940, Serial No. 347,048
7 Claims. (Cl. 201—63)



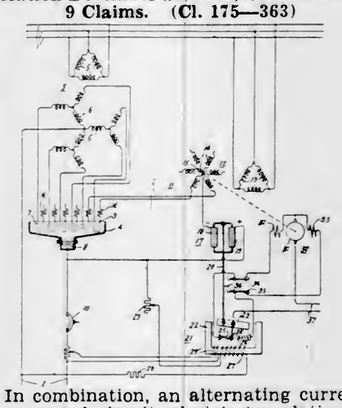
2. A resistor comprising a duct made of resistor material, positive supply means for forcing cooling fluid into said duct, conduit means connected to supply a cooling fluid under pressure to said positive supply means, a normally closed valve in said conduit means, a controller operable to cause opening of said valve to supply fluid to said positive supply means, means responsive to the pressure of the fluid supplied to said positive supply means for causing operation of said supply means to force cooling fluid into said duct, and a by-pass pipe around said valve providing for a limited flow of cooling fluid through said duct when said valve is closed.

2,276,809
HAT STEAMER
Ray C. Utley and Arthur Feilchenfeld, Jr., Chicago, Ill.
Application January 9, 1941, Serial No. 373,738
4 Claims. (Cl. 219—38)



3. In an apparatus of the character described, a base, a stand pipe open to atmosphere at its upper end mounted on the base, means to maintain a constant water level in the pipe, means to heat the pipe to vaporize the water, and a baffle device in the pipe comprising a supporting rod and a plurality of wire mesh disks distributed along the rod and forming open-work partitions across the interior of the pipe.

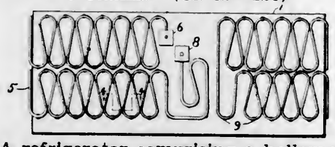
2,276,810
ELECTRIC VALVE CONTROL SYSTEM
Allan J. Wade, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1939, Serial No. 311,553
9 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a second circuit, electric translating appa-

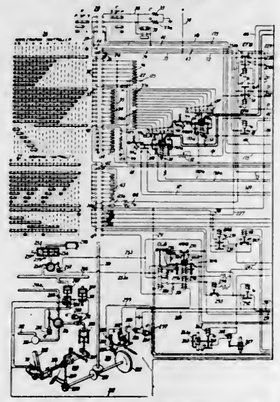
ratus connected between said circuits and including electric valve means comprising a plurality of anodes, an electrically common cathode and a plurality of control members each associated with a different one of said anodes, means for impressing on said control members alternating voltages including an inductive network having a plurality of windings and a neutral connection, a variable resistance connected between said cathode and said neutral connection and energized exclusively by the entire current transmitted between said cathode and said control members for producing a unidirectional biasing potential, and means for varying the magnitude of said resistance to vary said unidirectional biasing potential to control the conductivity of said electric valve means.

2,276,811
REFRIGERATOR
Samuel B. Ward, Chester Heights, Pa., assignor to H. H. Ward Company, Chester, Pa., a corporation of Pennsylvania
Application June 3, 1939, Serial No. 277,191
5 Claims. (Cl. 62—126)



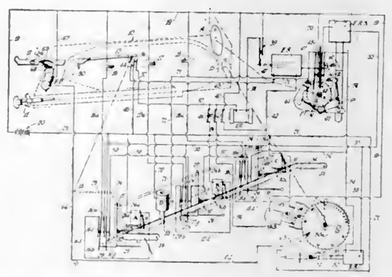
3. A refrigerator comprising a hollow metallic shell having a partition therein dividing it into a plurality of compartments; expansion tubing looped along and bonded to the upper portion of the exterior of the shell throughout the bulk of the periphery thereof, then passing through said partition, and then looped along and bonded to the lower portion of the exterior of the shell throughout the bulk of the periphery thereof; and a coating of metallic particles bonded to the exterior of said shell and tubing by a thermoplastic binder.

2,276,812
ELECTRIC VEHICLE DRIVE SYSTEM
Lewis W. Webb and Jacob W. McNairy, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application January 12, 1939, Serial No. 250,532
25 Claims. (Cl. 303—3)



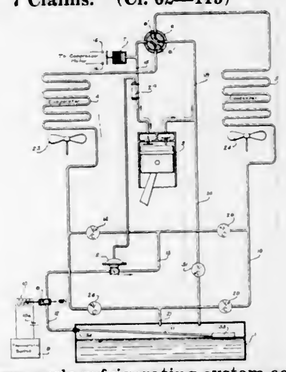
21. In a vehicle drive system, an electric vehicle driving motor, a dynamic braking resistor, a braking controller movable to connect said resistor to said motor in a dynamic braking circuit for dynamic braking and thereafter movable to exclude said resistance in a plurality of steps from the dynamic braking circuit, driving means for said braking controller, compressed air operated braking means for the vehicle, conduit means for supplying air under pressure to said air braking means to apply said air braking means, valve means for controlling the supply of air to said conduit means thereby to control the application of said air braking means, means responsive to the air pressure in said conduit means for starting said driving means when said air braking means is applied whereupon said driving means operates said braking controller to establish dynamic braking connections and thereafter exclude said resistor from the dynamic braking circuit, means responsive to the current in said braking circuit for controlling said driving means thereby to cause said braking controller to limit the current in said braking circuit to a predetermined maximum value, and means responsive to air pressure in said conduit means for changing the response of said current responsive means so as to vary the current maintained in said braking resistor in accordance with variation in the application of pressure of said air braking means.

2,276,813
AMUSEMENT APPARATUS CONTROL CIRCUIT
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application January 22, 1940, Serial No. 315,002
6 Claims. (Cl. 273—1)



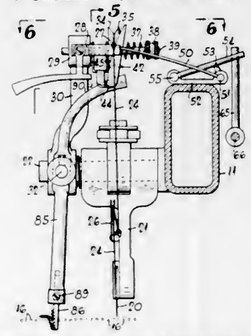
5. In a device of the class described including a playboard having ball operated switches arranged thereon and means for initially setting the device for play, the combination of a counter mechanism operatively related to said means for setting the device for play for recording the number of times the device is set for play, a plurality of relays having coil means connected in circuit with individual ball operated switches on the play board for operation by the latter, a master solenoid and a common releasing ball linked thereto and arranged to effect operation of all of said relays, switch means arranged adjacent said counter mechanism, said switch means normally disposed in open circuit condition and having circuit connection with said master solenoid, and means on said counter mechanism arranged to be moved toward said switch means to urge the latter into closed circuit connection when said counter mechanism records a predetermined number of plays as aforesaid.

2,276,814
REFRIGERATION SYSTEM
Joseph R. Zwickl, Philadelphia, Pa., assignor, by mesne assignments, to Allin B. Crouch, Schenectady, N. Y., as trustee
Application July 30, 1938, Serial No. 222,195
7 Claims. (Cl. 62—115)



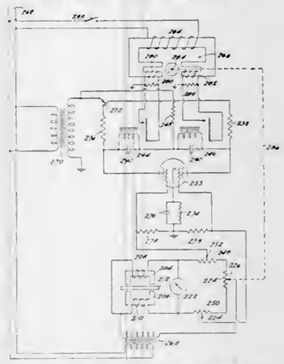
1. A reverse cycle refrigerating system comprising, in combination, a compressor having a suction line, condenser and evaporator heat exchange elements connected in a refrigerant circuit with said compressor, means for reversing the condenser and evaporator functions of said heat exchange elements, and a single thermostatic expansion valve having a power element connected to said suction line for controlling flow of liquid refrigerant to whichever one of said heat exchange elements is functioning as an evaporator.

2,276,815
CYLINDER STOPPING MECHANISM FOR DIAL LOOPERS
Colon C. Auman, Charlotte, N. C., assignor of one-half to Larkwood Silk Hosiery Mills, Incorporated, Charlotte, N. C., a corporation of North Carolina
Application November 1, 1940, Serial No. 363,886
5 Claims. (Cl. 112—219)



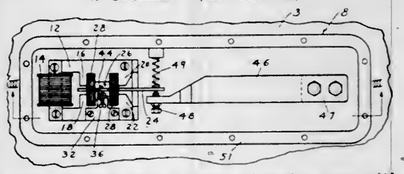
1. The combination with a looping machine including a rotatable point cylinder and a cylinder stopping mechanism normally operated by a strand deflector, of a substantially vertically disposed lever pivoted intermediate its ends, said lever having the lower end thereof disposed in close proximity to said points and having its upper end slidably engaging said strand deflector whereby waste material on the points will engage one end of the lever and impart rotation thereto to cause said strand deflector to be operated.

2,276,816
MEASURING APPARATUS
Samuel J. A. M. Bagno, New York, N. Y., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 276,117
29 Claims. (Cl. 265—1)



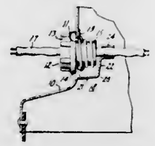
1. Apparatus for eliminating slow errors when measuring fast changes, said apparatus comprising a device responsive to the condition to be measured, an indicator responsive thereto, a compensating device for neutralizing the effect of the condition-responsive device on the indicator, a reversible motor for the compensating device, means responsive to slow changes of the condition-responsive device for so controlling the motor as to vary the compensating device in that direction which neutralizes the change, and means responsive to a fast change of the condition-responsive device for making the aforesaid compensating means inoperative.

2,276,817
STRAIN GAUGE
Samuel J. A. M. Bagno, New York, N. Y., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 24, 1939, Serial No. 291,691
2 Claims. (Cl. 265—1)



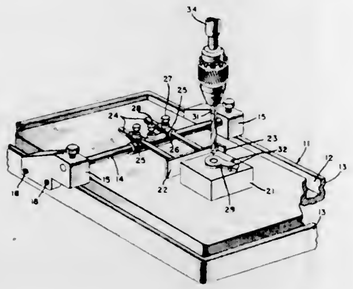
1. Strain indicating apparatus for use with a rolling mill housing having upright side posts connected at top and bottom by transverse beams subject to being bowed outwardly by roll pressure stress on the housing, said apparatus comprising a field core rigidly connected to the side of the bottom beam and having poles with a gap between them, a field coil for magnetizing said core, a pivoted armature having a part disposed in said gap and so related to said core that a part of the magnetic flux flows longitudinally of the armature, the amount of flux varying with the position of the armature, a pick-up coil surrounding the armature, means rigidly mounted on said beam for varying the position of said armature relative to the core when the beam is bowed under said pressure, and a meter operatively connected to said pick-up coil for indicating the roll pressure stress on said housing.

2,276,818
ELECTRICAL CONNECTING DEVICE
Brian C. Bellows, Jr., Orange, N. J., assignor to General Electric Company, a corporation of New York
Application November 4, 1939, Serial No. 302,883
3 Claims. (Cl. 173—322)



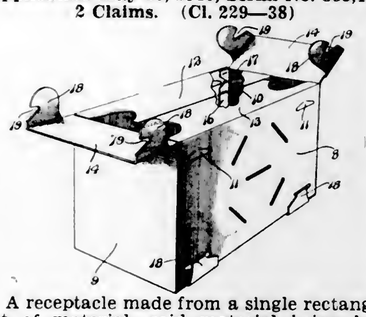
1. In an electrical device having a casing with an opening therein through which an electrical conductor is adapted to pass, a bushing in said opening constructed and arranged to insulate said conductor from said casing, said bushing having a washer portion which engages the outside surface of said casing and a threaded portion which extends through said opening and into said casing, a metallic disk having a threaded opening cooperating with the threaded portion of said bushing and engaging the inner surface of said casing to secure said bushing to said casing, and a bracket integrally formed on said metallic disk so as to be entirely within said casing and provided with clamping members adapted to be bent around said conductor to prevent any substantial movement of said conductor out of said bushing.

2,276,819
ALIGNING FIXTURE
Alexander H. Boehmer, Park Ridge, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 26, 1939, Serial No. 310,957
1 Claim. (Cl. 77—55)



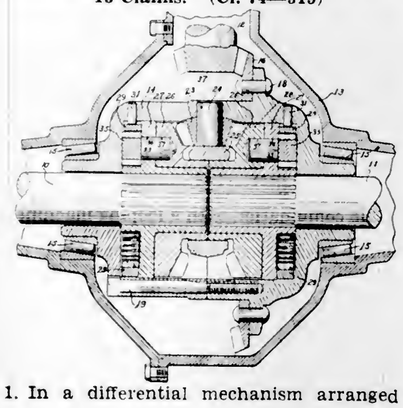
In combination with a vertical spindle machining apparatus having a horizontal bed and perimetric defining walls integrally formed with said bed, a main beam including clamping elements having portions for straddling said defining walls, an anchorage clamp comprising a sleeve fitted on said main beam and auxiliary sleeves integrally formed having openings transversely of said main beam, a pair of auxiliary beams receivable in said transverse sleeves of said anchorage means, securement screws for rigidifying each element of said main and auxiliary beams with respect to said anchorage clamp, and a fixture supporting member integrally formed with said auxiliary beams.

2,276,820
CONTAINER
Emmons W. Bonfield, Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1940, Serial No. 335,496
2 Claims. (Cl. 229—38)



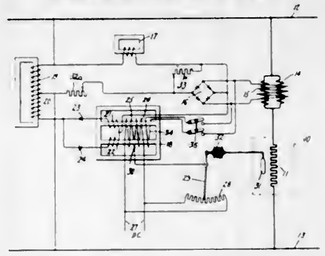
1. A receptacle made from a single rectangular sheet of material, said material being longitudinally scored on two spaced parallel lines and transversely scored on three spaced parallel lines whereby when the sheet of material is folded upon said transverse lines of scoring there is provided a receptacle body having parallel vertical sides and parallel vertical ends, and at each of the side edges of said sides there is provided a flap portion adapted to be turned inwardly at right angles to said sides at both their upper and lower edges, and also similar flap portions adapted to be turned inwardly from said ends at both their upper and lower edges, said flaps connected with the ends being separated from those connected to the side of the receptacle by separating cuts made to provide extensions at each end of the flaps connected to the ends of the receptacle, which extensions are cut from the flaps connected with the sides of the receptacle, said extensions being notched in one side to provide locking tongues, and each of the sides of the receptacle at each corner thereof being provided with a cooperating opening through which a locking tongue may pass substantially as and for the purposes specified.

2,276,821
DIFFERENTIAL MECHANISM
Francis H. Boor, La Fayette, Ind., assignor to Fairfield Manufacturing Company
Application February 6, 1941, Serial No. 377,712
13 Claims. (Cl. 74—315)



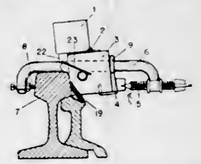
1. In a differential mechanism arranged to drive a pair of axles, a power driven case, differential gearing means including a spider core ring, spider pinions carried thereby and a pair of side compensating gears journalled in the case to differentially drive the axles, and additional gear means disposed to one side of the spider pinions for interconnecting at least one of the side compensating gears to the case to oppose differential movement when the power transmitted to the differential gearing means tends to spin one of the axles relative to the other axle, said additional gear means including an internal gear secured to the case and intermeshing pinion gear means secured to the said at least one of the side compensating gears, said internal gear having a diameter greater than the diameter of the spider core ring.

2,276,822
TEMPERATURE CONTROL SYSTEM
Kenneth K. Bowman and Martin A. Edwards, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application December 19, 1939, Serial No. 310,022
2 Claims. (Cl. 171—242)



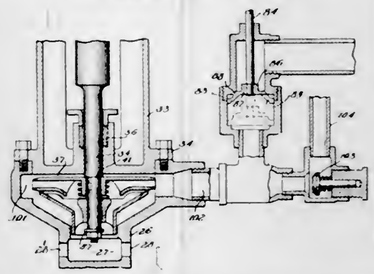
1. A control system for an energy translation device comprising a control reactor provided with a magnet core having at least three legs with their opposite ends magnetically connected together so that said three legs are in parallel magnetic circuits, two exciting windings mounted respectively on two of said legs, a one-way current rectifier connected to one terminal of each of said windings, electrical connections between said windings connecting similar terminals of said windings to each other so as to form two common points of connection forming terminals between which said windings are connected in parallel with each other each in series with one of said rectifiers, a second reactor, connections connecting said reactors in a bridge circuit, connections for supplying an alternating potential to said bridge circuit, said rectifiers being oppositely connected with respect to said terminals so that said rectifiers pass half wave currents alternately and said windings being connected to produce magnetic fluxes in the same direction through the third leg of said core when energized by said half wave currents, control means responsive to voltage unbalance of said bridge for varying a characteristic of an energy translating device, two excitation control windings mounted on said magnet core in position to be interlinked by the total magnetic flux produced by said two exciting windings, a common connection between two terminals of said excitation control windings reversely connecting said windings in series with each other, connections for supplying a direct current voltage to the remaining two terminals of said excitation control windings, an electric resistor connected across said two terminals, an adjustable contact on said resistor electrically connected to said common connection of said two excitation control windings, and means responsive to a change in said characteristic of the energy translating device from a predetermined value for moving said contact thereby to vary the relative excitations of said two excitation control windings so as to boost or oppose the magnetic flux in said core and thereby produce a voltage applied to said control means to bring said characteristic back to said predetermined value.

2,276,823
RAIL BONDING APPARATUS
Charles A. Cadwell, Cleveland, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application December 13, 1940, Serial No. 370,015
21 Claims. (Cl. 22—116)



1. A mold for cast welding the end of a rail bond conductor to a rail comprising a block of refractory material having a main cavity in one face thereof wherein the bond terminal is adapted to be cast and another cavity extending to an adjacent side of said block adapted to closely fit the body of the bond with the end of the latter extending into such main cavity, a sprue passage leading from the upper portion of said block to said main cavity, at least a portion of said passage being open to the rail contacting face of said block, and a movable member operative to enclose such open portion of said passage.

2,276,824
COMBINED PUMP AND CENTRIFUGAL SEPARATOR
Eben Hunter Carruthers, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application September 23, 1939, Serial No. 296,269
16 Claims. (Cl. 233—20)



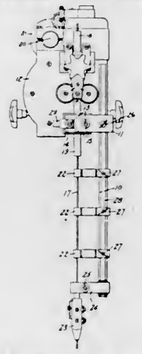
16. A combined pump and centrifuge comprising, in combination, a centrifugal separator comprising a casing formed of two separable parts, a chamber at least partly surrounding said casing, a pump having a rotatable impeller and a stationary casing forming a pressure space, and a connection between the pressure space of said pump and said chamber for exposing the exterior surface of at least one of said parts to said pressure and maintaining said separable parts together.

2,276,825

ADJUSTABLE NOZZLE EXTENSION FOR ARC WELDING HEADS

Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 16, 1941, Serial No. 415,227
6 Claims. (Cl. 219—8)



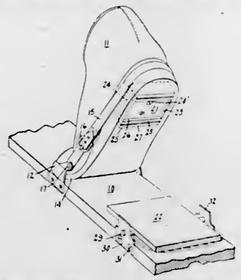
1. An arc welding head comprising electrode feeding means, means for supplying welding current to an electrode fed by said feeding means, means for adjusting and holding the spacing of said welding current supplying means and said feeding means, electrode guiding means spaced from said welding current supplying means and said feeding means, and means for adjusting and holding the spacing of said guiding means relative to said welding current supplying means and said feeding means.

2,276,826

MAGNETIC SKI HARNESS

Frederick D. Crowther, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 30, 1941, Serial No. 404,656
9 Claims. (Cl. 280—11.35)



1. A device for securing skis to boots comprising a shoe member and a ski member, a permanent magnet on one of said members and a cooperating magnetic armature on the other of said members, the magnetic attraction between the permanent magnet and the armature serving to retain the heel of the boot in association with the ski.

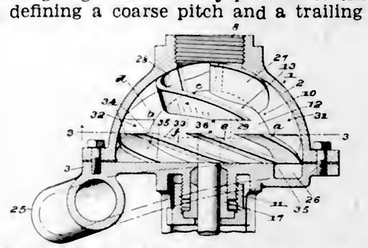
2,276,827

PUMP

John P. Damonte, New Orleans, La.

Application February 18, 1941, Serial No. 379,519
4 Claims. (Cl. 103—88)

3. A pump comprising a stator having an axially central fluid inlet at one end, a fluid outlet at the other end of the stator situated in a plane perpendicular to the stator axis, a rotor revolubly supported by the stator, having hemispherical head confronting said inlet, a set of widely spaced blades of involute curvature carried by said rotor, each blade being twisted to fit the contour of the head on a spiral order, the composite involute curvature and twist providing a leading edge substantially parallel to the axis and defining a coarse pitch and a trailing edge



substantially at right angles to said axis defining a fine pitch, an auxiliary set of closely spaced blades contiguous to the fluid outlet, the blades of said second set also carried by the rotor and being finely pitched in agreement with the trailing edges of the blades in the first set, the blades of the two sets being separated from each other to define an annular space, and a segmental fin fixed internally of the stator and occupying a portion of said annular space.

2,276,828

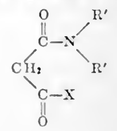
RESINOUS REACTION PRODUCTS OF ALIPHATIC ALDEHYDES AND NITROGEN-CONTAINING METHYLENE COMPOUNDS

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 29, 1938, Serial No. 205,007
22 Claims. (Cl. 260—42)

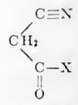
1. A resinous composition comprising the product of reaction of a mixture containing as essential components (1) urea, (2) an aliphatic aldehyde and (3) a methylene-containing nitrogen compound selected from the class of compounds represented by the general formulas

(a)



and

(b)



where X is a grouping of the class represented by R and OR, R is a member of the class consisting of alkyl and aryl groupings and R′ is a member of the class which is the same as R and, in addition, hydrogen.

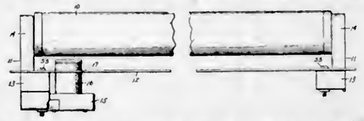
2,276,829

OPERATING MECHANISM FOR FLUORESCENT LAMPS

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application March 6, 1940, Serial No. 322,560
11 Claims. (Cl. 176—126)

5. A member for use with a lamp socket having spaced contacts mounted in recesses in a housing comprising, in combination, a base of insulating material, means projecting from the upper face of said base and adapted to nest within the recesses in said socket for positioning said base on



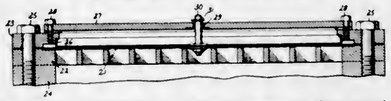
the socket housing, receptacle means on said base including spaced contacts, and a pin engaging one of said receptacle contacts passing through said base and adapted to engage one of said socket contacts for electrically interconnecting these contacts in series.

2,276,830

SAFETY DIAPHRAGM

John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 11, 1940, Serial No. 356,279
1 Claim. (Cl. 220—89)



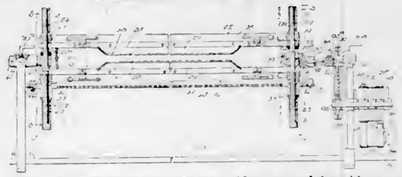
A safety diaphragm arrangement for protecting turbine plants against excess fluid pressure comprising a grid, a ring, a diaphragm securely held between the grid and the ring and a cutting member secured to the ring with a cutting edge in proximity to the diaphragm, and means associated with the ring for retaining a central portion of the diaphragm after it has been cut away during operation, said means comprising a cross-bar extending diametrically across and spaced from the diaphragm and bolted to the ring external of a chamber to be protected and a pin secured to the central portion only of the diaphragm and freely projecting through an opening in the cross-bar, the central portion of the diaphragm to which the pin is fastened being of relatively small size and considerably spaced from the cutting member so that the pin does not materially affect the flexing of the diaphragm.

2,276,831

TUFTING MACHINE

Joseph W. Droll, Chicago, Ill., assignor to J. W. Droll Company, Chicago, Ill., a corporation of Delaware

Application September 13, 1937, Serial No. 163,573
8 Claims. (Cl. 45—138)



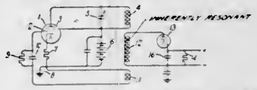
1. In a tufting machine, the combination of a pair of frames each provided with elements for compressing a mattress at the places to be tufted, a pair of supports at the ends of the frames, coaxial trunnions mounted on said supports for pivotally supporting the frames to swing vertically, a plurality of screws on each of the supports on which each of the frames is supported for rectilinear movement relatively to the axis of the trunnions, and mechanism for simultaneously operating all the screws for shifting the frames equidistantly relatively to the axis of the trunnions for compressing or releasing a mattress so that the frames will be equidistantly spaced from said axis while they are in compressing position for mattresses of different thicknesses.

2,276,832

OSCILLATION GENERATOR

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application April 23, 1941, Serial No. 389,864
1 Claim. (Cl. 250—36)



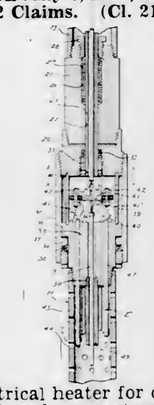
A system for producing high unidirectional voltage for operation of cathode ray apparatus and the like, comprising an electron discharge oscillation generator having an anode, a cathode, a control electrode, a source of operating potential for said anode, an inductance coil connected between said anode and cathode, an inductance coil connected between said control electrode and cathode, said coils being so positioned that direct coupling therebetween is insufficient to support oscillations, an additional coil of high reactance tuned to the frequency of oscillations to be produced coupled to both of said first two coils and proportioned relative thereto to have oscillations produced therein having intensity many times greater than the potential of said source and to induce oscillations in said second coil to maintain said oscillations, and a rectifier to rectify said oscillations and to supply the rectified potential to said apparatus.

2,276,833

ELECTRIC HEATER FOR OIL WELLS

Stanley A. Germain, Glendale, Calif.

Application May 6, 1939, Serial No. 272,203
2 Claims. (Cl. 219—33)



1. An electrical heater for oil wells including a housing having closures at upper and lower ends and being open between its ends to permit of circulation of oil therein when lowered into a well, metal enclosed electrical heating elements mounted in said housing and having ends of the metal enclosures thereof extended into openings in and retained by said closures, the terminals of the heating elements being exposed above the uppermost closure, a tubular coupling member

telescoping the upper end of the uppermost closure and having an internal annular flange for supporting said uppermost closure, said uppermost closure having an annular flange overlying the flange of said tubular coupling member, packing between said flanges a sealing gasket mounted in the lower end of the tubular coupling member and surrounding said uppermost closure, a ring threadedly engaged with said tubular coupling member and holding said packing ring in place, a member for closing the upper end of said tubular coupling member having an aperture therein, a cable having conductors connected with said terminals of the heating elements and extending therefrom through the aperture in said last-named closure member, an insulation ring mounted within said tubular coupling member, means supporting said insulation ring upon the upper end of said uppermost closure and binding posts on said ring for electrically connecting the conductors of the cable with the heating elements.

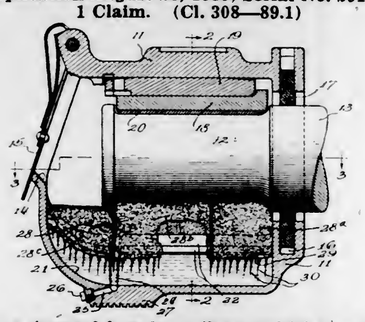
2,276,834

JOURNAL LUBRICATION

Walter M. Gibbs, Chicago, Ill.

Application August 26, 1939, Serial No. 291,997

1 Claim. (Cl. 308—89.1)



In a journal box for railway vehicles, a member having top, sides and bottom and having an aperture for reception of the journal, said box having a recess to be located below the journal in said box for the reception of waste and lubricant, the walls of said recess extending upward on all sides to the journal, said recess having its lower wall provided with a multiplicity of upwardly extending flanges, said flanges extending longitudinally of the axis of the journal and having their upper edges regularly spaced to effect a uniform support of waste in the recess below the journal, the spaces between said flanges forming a multiplicity of elongated deep grooves for receiving lubricant, the flanges segregating the lubricant into a multiplicity of separate bodies to prevent swirling and loss of lubricant through the journal box apertures under the shocks of traffic and a packing of waste adapted to be located under the journal and engaging the journal, said waste engaging the upper edges of said flanges and having threads depending into the lubricant between said flanges, the waste being compressed between the edges of said flanges and said journal, whereby the grab and shifting of waste by the action of the journal is substantially prevented and the lubricant is maintained in the journal box and fed to the journal by capillary action of the waste, said flanges having a common point of separation intermediate their length forming a transverse groove in said bottom whereby the chambers between the flanges all communicate with said groove, said groove having a discharge aperture located at its lowest point.

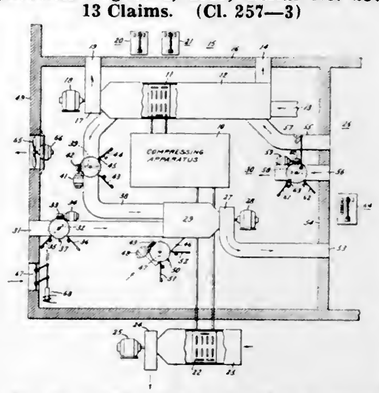
2,276,835

AIR CONDITIONING SYSTEM

Hal Gibson, Dallas, Tex., assignor to General Electric Company, a corporation of New York

Application August 1, 1939, Serial No. 287,762

13 Claims. (Cl. 257—3)



1. An air conditioning system for an enclosure comprising means including a damper for supplying heated air to said enclosure, means including a damper for supplying cooled air to said enclosure, means including a damper for supplying fresh air to said enclosure, means responsive to the temperature within said enclosure, means for closing said heated air damper and conditioning said cooled air damper and said fresh air damper for control by said enclosure temperature responsive means during one period, and means for closing said cooled air damper and conditioning said heated air damper and said fresh air damper for control by said enclosure temperature responsive means during another period.

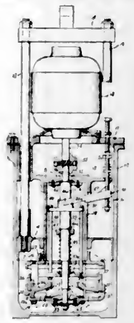
2,276,836

HYDRAULIC OPERATOR

Ernest F. Goetz, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 9, 1940, Serial No. 318,065

6 Claims. (Cl. 60—52)



1. An hydraulic operating mechanism comprising in combination, a fluid container, a piston mounted in said container for relative movement with respect thereto, an impeller housing mounted in said container having an impeller chamber, an annular shaped discharge passage surrounding said chamber and leading from said chamber to the space on one side of said piston, and an intake passage in said housing leading toward

the space on the other side of said piston, conduit means leading from the space on said other side of said piston into the space on said one side and having its open end on said one side spaced from said intake passage in said housing to provide a bypass from said conduit means around said housing to said space on said one side of said piston, an impeller rotatably mounted in said chamber for producing a differential fluid pressure for moving said piston, and a valve sleeve in said discharge passage movable in response to pressure produced by rotation of said impeller to provide a confined communication from said intake passage in said housing to said open end of said conduit means, close said bypass and open said discharge passage thereby to apply a differential pressure to said piston to effect movement thereof, and biasing means for moving said sleeve to open said bypass and close said discharge to effect quick return of said piston in response to deenergization of said impeller.

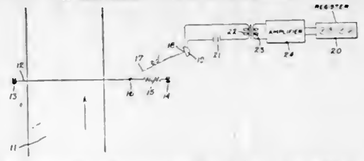
2,276,837

ROAD CONTACT FOR TRAFFIC ANALYZERS

Charles D. Greentree, Scotia, and Milton S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application April 20, 1940, Serial No. 330,746

2 Claims. (Cl. 177—339)



1. A device responsive to the passage of a vehicle along a roadway, which comprises a wire secured across and lying on such roadway with one end of the wire sufficiently loose so as not to be moved by transverse movement of the wire upon passage of a vehicle, a securing device at road level beside the roadway to which the other end of the wire is attached, a second securing device at road level on the other side of the roadway, a non-rigid connection between said securing device and a point in the wire between the first securing device and the loose end of the wire but on the same side of the roadway as the second securing device, an acoustic microphone to which the loose end of the wire is attached and electro-responsive means electrically connected to the microphone.

2,276,838

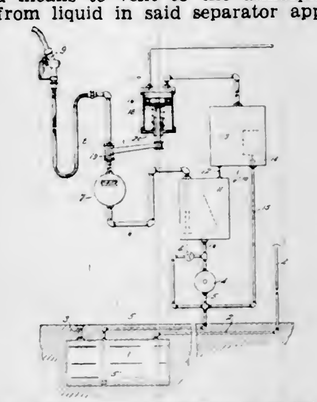
LIQUID DISPENSING APPARATUS

Alfred L. Grise, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application July 19, 1940, Serial No. 346,338

1 Claim. (Cl. 221—95)

A dispensing apparatus adapted to pump liquid from storage to dispensing points and to measure the liquid substantially freed from air, including in combination a conduit having therein a pump with a back pressure relief device, an air separator apparatus, a meter, a dispensing valve, all connected by the conduit in the recited order and somewhere in said conduit between said pump and said dispensing valve a normally open automatically controlled valve adapted for complete closing to stop dispensing entirely while the pump is operating and the dispensing valve is open and in the event of an emergency, pneumatic mechanism adapted to entirely close said valve in the event that air beyond the air venting capacity of said air separator apparatus is pumped into the latter, restricted means to vent to the atmosphere air freed from liquid in said separator apparatus,



said means being restricted enough in its venting function so as to build up air pressure in said apparatus as the latter tends to be loaded beyond its intended separating capacity, and a connection for such air pressure to operate said pneumatic mechanism for its automatic valve actuating purpose.

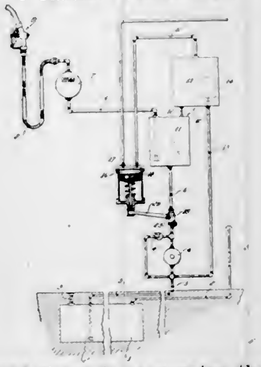
2,276,839

LIQUID DISPENSING APPARATUS

Alfred L. Grise, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application September 11, 1940, Serial No. 356,281

8 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus, the combination of a delivery pump having an automatically controlled by-pass operable to avoid excess pump pressure, an air separator to receive the pump discharge, a meter to receive the discharge from the separator, a valve in the line to control the liquid flow to the meter, automatically operated pneumatic mechanism to actuate said valve, and means including a restricted vent from the air separator to accumulate pneumatic pressure from air tending to vent from the separator, said means acting only when the separator is operating at about the limit of its efficiency, said mechanism being operable to move said valve towards closed

position only when air is accumulated by said means in the manner stated for actuating said pneumatic mechanism, said valve being otherwise open.

2,276,840
POLYMERIC VINYLIMIDES
William Edward Hanford and Halsey Bidwell Stevenson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1939, Serial No. 285,194
12 Claims. (Cl. 260—78)

1. A polymer of an N-vinylimide of an aromatic dicarboxylic acid having its two carboxyl groups on adjacent ring carbons.

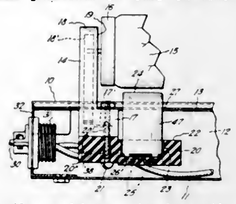
2,276,841
MILK SEDIMENT TESTING DEVICE
Oscar Hanson, Mount Sterling, Wis.
Application February 8, 1941, Serial No. 378,088
1 Claim. (Cl. 73—51)



A device of the character described, comprising, a tube adapted to be inserted into a receptacle containing liquid having sediment accumulated on the bottom of said receptacle, said tube having a lower end and provided with means for withdrawing liquid from said receptacle into said tube through said lower end, a sleeve carried by said lower end and provided with a strainer, a filter disk disposed subjacent said strainer and adapted to be positioned in proximity to the bottom of said receptacle for accumulating sediment during drawing of liquid into said tube, and means carried by said tube and detachably connected to said disk for holding the latter against the bottom of the strainer and thereby maintaining it in proximity to the bottom of said receptacle.

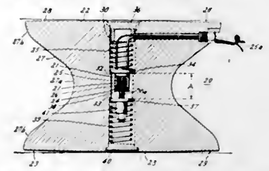
2,276,842
MOUNTING DEVICE FOR ELECTRIC LAMPS
Ward Harrison, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 18, 1939, Serial No. 309,712
5 Claims. (Cl. 173—328)

2. In combination, a lamp holder having a housing formed with an extension and a base, spaced contacts in a side face of the extension adapted to receive the spaced contact prongs of a fluorescent lamp, said spaced contacts each being provided with laterally extending terminal portions disposed within said base, a separate member of insulating material having a receptacle portion including contact elements and a laterally extending portion provided with a flat face, one of said receptacle contact elements being provided with a laterally extending terminal portion extending into the lateral portion of the member, and conducting means extending from the terminal portion of one of the lamp holder



contacts to the said terminal portion of the receptacle contact element for making a series electrical connection therewith and for securing said member and lamp holder together with the base of said lamp holder resting on the flat face of the member.

2,276,843
PRESSURE MEASURING APPARATUS
Claude M. Hathaway, Denver, Colo., assignor to General Electric Company, a corporation of New York
Application March 31, 1939, Serial No. 265,258
3 Claims. (Cl. 265—1)

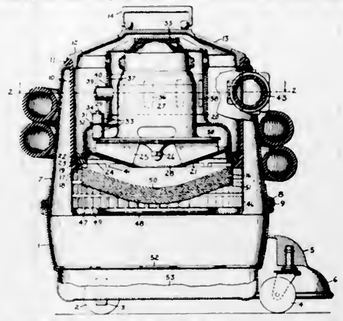


1. A pressure responsive device comprising a solid body of elastic material of axially symmetrical form having convex surfaces on the end portions thereof against which the pressure to be measured may be applied, and having an exterior lateral surface between said convex surfaces, said surface being substantially in the shape of a surface of revolution formed by the revolution of a curved line about an axis on the convex side of the curved line, and the curvature of said line being such as to form a curved section of reduced diameter intermediate said end portions, the relation between the diameter of said intermediate section for a given length along the axis of revolution and the end portion diameter of said body being such that when pressure is applied to said end surfaces compressive forces proportional thereto are concentrated in said reduced diameter section to cause a proportional longitudinal compression thereof along said axis of revolution.

2,276,844
VACUUM CLEANER
Osmund Holm-Hansen, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 10, 1937, Serial No. 173,738
9 Claims. (Cl. 183—37)

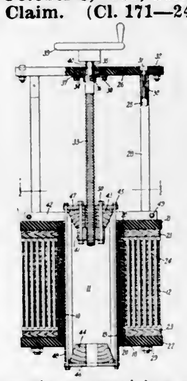
1. In a vacuum cleaner or the like, a casing having an inlet for dust laden air, means for producing a whirling annulus of air within the casing, a discharge outlet from the casing including a hollow member extending into the center of the whirling air having openings in the side walls arranged so that the air entering the openings

must turn a sharp corner and an opening at the lower end thereof, a filter covering the opening



at the lower end, and means for resiliently supporting said hollow member in said casing.

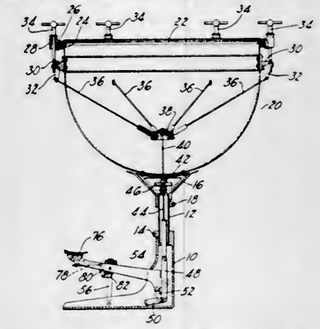
2,276,845
REACTOR
Horace S. Hubbard, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 3, 1939, Serial No. 297,707
1 Claim. (Cl. 171—242)



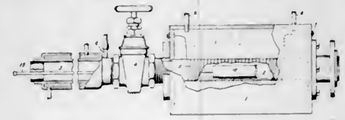
A variable reactor comprising a main coil and a control coil of substantially equal lengths concentrically located in fixed positions relative to one another, means for completing a circuit of predetermined impedance through said control coil, a support for said coils, an open magnetic core having a main portion dimensioned to pass through said coils and an end portion extending laterally into the space between said coils and said support, and means mounted on said support for moving the main portion of said core into and out of said coils through a travel limited only by the movement of the end portion of said core through the space between said coils and said support.

2,276,846
PERCUSSION MUSICAL INSTRUMENT
Leroy J. Jeffries, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application January 16, 1941, Serial No. 374,633
3 Claims. (Cl. 84—419)

1. A percussion instrument comprising a supporting base, a hollow body supported on said base, a vibratile head closing one side of said body, a pedal pivotally mounted on said base and connected to the head to vary the tension thereof, and means to hold the pedal and the head in adjusted position comprising a rod, a collar around the rod formed on its inner surface with a conical cam surface, a plurality of gripping members loosely mounted in said collar and engageable with said cam surface to be cammed thereby into gripping engagement with said rod, a sleeve slidable around said rod into said collar to move said gripping members away from the cam surface, and a toe-piece pivoted on the pedal and connected to said sleeve to move it.

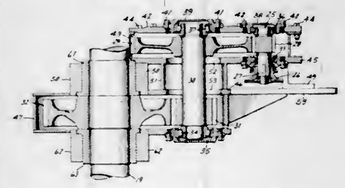


2,276,847
METHOD OF BRAZING
Floyd C. Kelley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1939, Serial No. 296,941
6 Claims. (Cl. 113—112)



1. The method of brazing two metal structures which comprises positioning a thin sheet of brazing metal between the structures to be brazed, inserting the assembled structures into a substantially closed metal container, positioning said container in a furnace supplied with a reducing gas and heated to a brazing temperature, supplying hydrogen gas free from water vapor to said container and at a pressure sufficient to provide a continuous flow of hydrogen through said container.

2,276,848
RAILWAY TRUCK AND AXLE DRIVE
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 25, 1941, Serial No. 385,046
5 Claims. (Cl. 105—108)



1. An axle driving construction including an

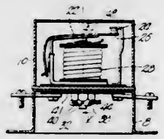
axle, a gear mounted on said axle, a drive shaft with a driving gear, a countershaft, a reduction gear mounted on said countershaft and adapted to engage said driving gear, a second reduction gear mounted on said countershaft and adapted to engage said axle gear, a gear casing arranged about said gears and formed of two chambers, one of said chambers being arranged to extend about said driving gear and said first-mentioned reduction gear, the other of said chambers being arranged to extend about said axle gear and said second reduction gear, means including openings in said chambers for providing for the removal of said countershaft and said reduction gears in assembled relationship from said gear casing, means for rotatably supporting said drive shaft on said gear casing, and means including a removable cover over one of said openings for rotatably supporting the other end of said drive shaft.

2,276,849

CURRENT CONTROL FOR GENERATORS

Roger G. Lafite, Kansas City, Mo.

Application July 13, 1939, Serial No. 284,235
1 Claim. (Cl. 175—336)



In a current regulator for automobile generators, a base; a current limiting relay supported on and above the base; a cover for the relay mounted on the base; flanges depending from the base and forming an enclosure below the base and serving as a means to support the base; said relay comprising a sleeve; a current coil surrounding said sleeve; one end of the sleeve being threaded and extending through the base within said enclosure; a nut threadedly engaging said threaded sleeve end and serving to retain the sleeve and coil on said base; an adjustable core within said sleeve; a reduced threaded portion of predetermined length on the core at one end thereof; an internally threaded reduced neck of predetermined length at the other end of the sleeve to cooperate with the threads on the core; an armature positioned adjacent the one end of said core; the other end of the core extending through and beyond the nut; indicia at said other end of the core for indicating the relative position of the core with respect to the armature; and means adjacent said other end for locking the core in selected position after rotation thereof to provide desired adjustment.

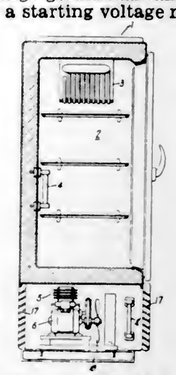
2,276,850

GERMICIDAL LAMP IN AIR CONDITIONING APPARATUS

Eugene Lemmers, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application December 24, 1940, Serial No. 371,491
10 Claims. (Cl. 62—89)

1. In combination, a chamber, apparatus for conditioning the air therein including a driving motor having starting means and having points in its circuit between which a voltage occurs, due to the functioning of said starting means, materially higher than the motor supply voltage, an electric discharge germicidal lamp in said chamber requiring a starting voltage materially higher



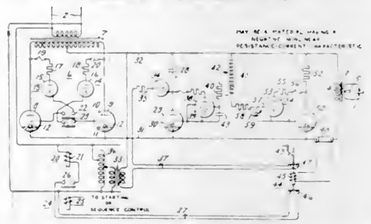
than said supply voltage, and means connecting said lamp between said points of higher voltage.

2,276,851

ELECTRIC VALVE TRANSLATING SYSTEM

Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application May 5, 1941, Serial No. 392,018
8 Claims. (Cl. 171—97)



7. In combination, an alternating current supply circuit, an inductance, a load circuit connected to said inductance, electric translating apparatus energized from said supply circuit and including electric valve means for transmitting unidirectional current to said inductance, means for interrupting the current through said inductance, means connected across said inductance to limit the voltage appearing thereacross occasioned by the interruption of the current and comprising in series relation a resistance and means including an electric discharge device having a control member, and a capacitance connected to said control member for controlling the magnitude of the voltage at which the voltage limiting means is initiated in its operation.

2,276,852

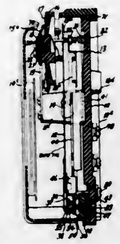
CONDITION RESPONSIVE CONTROL

Edward E. Lynch, Easthampton, Mass., assignor to General Electric Company, a corporation of New York

Application July 5, 1940, Serial No. 343,991
26 Claims. (Cl. 200—139)

1. In a thermostat, in combination, a bimetal thermostatic operating element, electrical circuit control means having a part operatively connected with one end of said element, adjustment means including a member secured to said element adjacent the other end thereof and having a pair of arms straddling the middle part of said element, and a base having a pair of spaced

throughout the entire width thereof substantially parallel to the cut into slot-shaped recesses pro-



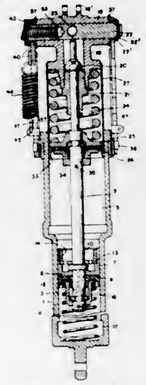
for movement of said middle part of said element across the pivot axis in response to temperature changes.

2,276,853

FLUID PRESSURE CONTROL DEVICE

Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan

Application December 23, 1940, Serial No. 371,415
12 Claims. (Cl. 60—54.6)



12. In a fluid pressure control device, a pressure cylinder having an outlet, a pressure piston within said cylinder, a piston rod operatively connected to said piston, a spring operatively connected to said rod, a fitting operatively connected to said spring for moving said piston toward said outlet, and adjustable means carried by said fitting provided with an abutment surface internally of said fitting clearing the free end of said rod in one position of said adjustable means and opposed to the free end of said rod for directly engaging the same upon movement of said fitting from its normal position in another position of said adjustable means.

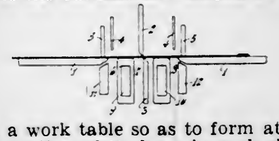
2,276,854

PROCESS AND APPARATUS FOR CUTTING AND FOLDING FABRIC STRIPS

Frans Gerard Carel Margadant, Bergen op Zoom, Netherlands, assignor to Stoombandfabriek N. V. van Engelen & Evers, Heeze, Netherlands, a corporation of the Netherlands

Application October 3, 1940, Serial No. 359,625
In the Netherlands November 7, 1938
4 Claims. (Cl. 270—61)

1. A process for treating a tape comprising cutting said tape transversely and then simultaneously pressing the ends of the tape so cut throughout the entire width thereof substantially parallel to the cut into slot-shaped recesses pro-



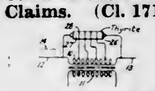
vided in a work table so as to form at each end a folded portion of U-shape in each slot.

2,276,855

ELECTRICAL INDUCTION APPARATUS

Jack R. Meador, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application November 22, 1940, Serial No. 366,569
7 Claims. (Cl. 171—119)



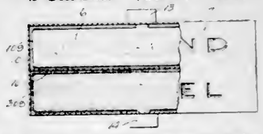
1. In combination with an electrical winding having a line terminal, means for distributing over said winding a voltage suddenly impressed on said line terminal, said means being connected to said line terminal and to spaced points of said winding extending from said line terminal, said means being substantially nonconductive during normal operating voltage conditions of said winding and being progressively increasingly conductive for higher voltages being impressed upon said terminal whereby said spaced winding points extending from said terminal are raised to progressively decreasing voltages substantially instantaneously with the raise in voltage of said line terminal.

2,276,856

ELECTRIC SIGN

Henry C. Mulberger, Waukesha County, Wis., assignor to Atomic Research & Engineering Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 28, 1939, Serial No. 292,278
2 Claims. (Cl. 40—130)



1. A sign having a luminescent tube as a source of colored light and a reflective surface comprising substantially transparent protective material mixed with a pigmented material spectroscopically similar to the color of light from said source said protective and pigmented material being underlaid by a highly reflective surface.

2,276,857

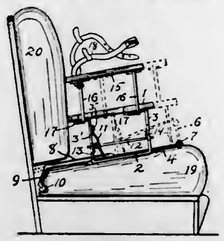
CHILD'S CHAIR FOR AUTOMOBILES

Albert B. Muller, Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc., Fort Wayne, Ind., a corporation of Indiana

Application February 5, 1941, Serial No. 377,438
3 Claims. (Cl. 155—11)

3. A child's chair attachment for an automobile seat including a seat having supporting frames at the sides thereof, and base members longitudinally and angularly movable in said frames, having hooks at their rear ends movable selectively into a horizontal plane or into

vertical planes accordingly as said members are angularly turned, and provided at their forward ends with levers for actuating same, said mem-

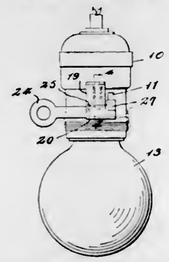


bers having means engageable with said frames to prevent angular turning movement of said members when the chair is in operative position.

2,276,858

SOCKET FOR ELECTRIC LAMPS

Titus N. Napoleon, Honolulu, Territory of Hawaii
Application June 2, 1941, Serial No. 396,301
1 Claim. (Cl. 176—31)



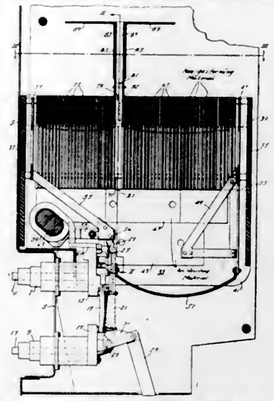
In a device of the character described comprising a receptacle for rotatively secured lamps, a lock device consisting of a case and a revoluble cylinder therein, slotted to receive a key in one end, key released plungers for locking the cylinder in one position, an arm at the end of the cylinder opposite the key slot movable with the cylinder toward and away from the case, said case being slotted to receive said arm therethrough at the inner limit of movement of the latter, a lamp base for engagement in the receptacle adapted to be secured and released by rotative movement in respective directions, and having a lug thereon which at engaged position of the lamp is aligned for movement in a path into which the end of said arm projects when at the inner limit of its movement.

2,276,859

CIRCUIT INTERRUPTER

Robert H. Nau, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1940, Serial No. 363,253
12 Claims. (Cl. 200—147)

1. In a circuit interrupter, an elongated arcing chamber at least a part of the inner walls of which are of insulating material, means for establishing an arc longitudinally of said arcing chamber, said arcing chamber having a vent passage intermediate the ends thereof of greater venting ability than is provided generally along the arcing chamber intermediate the ends thereof, and means for moving the arc laterally in said arcing chamber, said arc moving means blowing an intermediate portion of said arc into



said vent passage to form an arcing terminal for stabilizing the arc.

2,276,860

DYESTUFF OF THE PHTHALOCYANINE SERIES

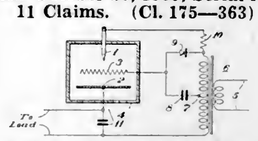
Georg Niemann, Willi Schmidt, Fritz Muehlbauer and Georg Wiest, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application December 10, 1936, Serial No. 115,194. In Germany December 19, 1935
7 Claims. (Cl. 260—314)

1. A coloring matter of the phthalocyanine series containing more than 8 halogen atoms per molecule, and being substantially identical with the compound obtained by subjecting a coloring matter of the phthalocyanine series to halogenation by the aid of a halogenating agent selected from the group consisting of chlorinating agents and brominating agents.

2,276,861

HIGH VOLTAGE RECTIFIER

Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1939, Serial No. 300,391
11 Claims. (Cl. 175—363)



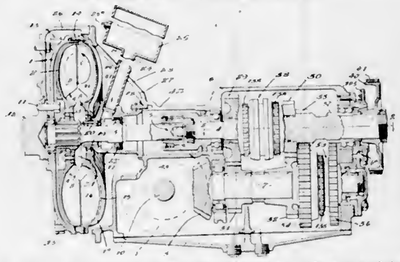
1. An electric conversion system comprising an alternating current circuit, a direct current circuit, transformer means interconnecting said circuits, an electrical translating device controlling the flow of current between said circuits, said translating device including a plate-like anode, a fine wire cathode characterized by discharge from the sides of the wire, a grid between said cathode and anode, an atmosphere of a gas which does not form negative ions filling the space between said anode and cathode, capacitor means connected between said transformer means and said grid, said capacitor means being operative during the interval that said cathode

is negative to impress a potential on said grid corresponding to the potential which the space of said grid would have if no grid were present, and auxiliary rectifier means for impressing cathode potential on said grid when said cathode is positive.

2,276,862

TRANSMISSION MECHANISM

Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application November 28, 1939, Serial No. 306,526
10 Claims. (Cl. 192—.01)



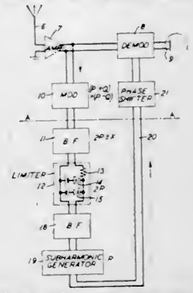
1. In a transmission mechanism, the combination of an engine having a throttle valve, a hydraulic coupling of the blade or vane type which includes an impeller element and a runner element, a change-speed transmission gearing including selectively operable balking ring clutches, each including driving and driven sections, one of which is shiftable axially, a brake on the transmission gear operable to effect crossing of the speeds of the driving and driven sections of the selected balking ring when the speed of the driven section is zero preliminary to a shifting-in of the shiftable section, a driver-controlled, power-operated clutch selecting and shifting mechanism comprising shift rods, for the clutches, a source of fluid under pressure, a fluid operated motor for actuating the selected shift rod, branch conduits leading to the fluid operated motor, a valve casing connected in said branch conduits and having normally closed two-way valves therein individual to the branch conduits, a driver-operated member having a selecting and shifting movement to successively select and operate a predetermined valve, transfer valve mechanism for controlling the flow of motive fluid to the fluid motor, a fluid operated motor for operating the transfer valve mechanism, the valve mechanism operating to control the flow of the fluid to successively operate the fluid motor for the transfer valve mechanism and the fluid motor for the shift rods, a driver-operated accelerator connected to the throttle of the engine, a fluid motor for operating said brake, an additional branch conduit having a normally closed two-way valve therein leading to the brake operating fluid motor, and means operable by the driver-operated accelerator member when operated in a retrograde direction beyond the normal engine idling position thereof for opening the valve in the additional conduit to rapidly decelerate the engine.

2,276,863

SIGNALING BY MODULATED WAVES

Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 4, 1941, Serial No. 373,097
3 Claims. (Cl. 250—20)

1. In a system for receiving amplitude modulated waves consisting of the two side-bands only, in which means is provided for producing the summation frequency of the two side-bands and in which the unmodulated carrier component is derived from halving the summation frequency of said side-bands, a symmetrical amplitude

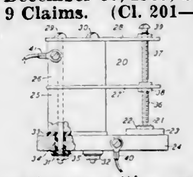


limiter following the frequency summation means, for eliminating the amplitude modulation of the summation frequency wave, and means following said limiter for halving the frequency to recover the unmodulated carrier frequency.

2,276,864

RESISTANCE DEVICE

Gerald L. Pearson, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1939, Serial No. 311,736
9 Claims. (Cl. 201—63)

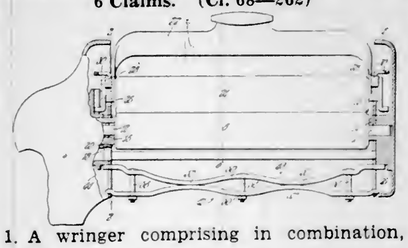


1. A temperature-sensitive resistor having low thermal inertia and a declining voltage-current characteristic, comprising a sheet of metal, a thin, relatively dense film of high resistance-temperature coefficient semiconductive material on said metal sheet and presenting a plane exterior surface, a conductive body having a convex portion making contact with said film over a small area, and means for varying the contact pressure between said body and film to thereby adjust the area of contact.

2,276,865

PRESSURE MEANS FOR WRINGER ROLLS

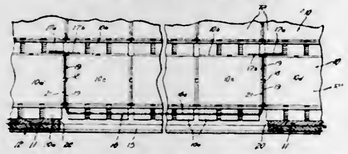
Julian L. Perkins, West Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application December 20, 1940, Serial No. 370,995
6 Claims. (Cl. 68—262)



1. A wringer comprising in combination, a

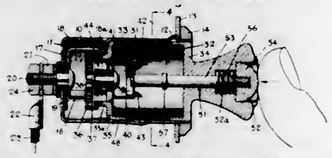
main frame having a roll journalled therein, an upper frame carrying a roll for coacting with said lower roll which is swingable between a central inoperative position to operative positions at the sides thereof, receivers slidable up and down at opposite ends of the wringer, releasable locking means associated with the opposite ends of the upper frame and receivers to facilitate releasably locking the said upper frame to the receivers in an operative position, pressure applying means including separate longitudinally extending springs having their opposite ends seated in the main frame and receivers respectively and a member holding the central portions of said springs against separation, and means connecting the said upper and lower springs to vary the tension thereof and limiting the spread of said springs at opposite ends thereof.

2,276,866
BOXED PRODUCE LOAD
Harold C. Pierce, Pomona, Calif.
Application April 10, 1940, Serial No. 328,870
5 Claims. (Cl. 105—367)



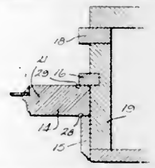
1. In a box car having a side wall with a door opening therein and containing a row of boxes or the like extending along said wall across and offset transversely of the car from the interior of the door opening; a retaining member extending longitudinally of the car along and engaging the outer walls of a series of boxes in said row facing the door opening and extending a distance less than the width of said opening, and separate anchorages for the ends of said member and to which end portions of the member extend laterally and inwardly of the car between the end boxes of said series and adjacent boxes in said row positioned beyond the sides of the door opening, each of said anchorages comprising means for holding the member to one of said adjacent boxes and to thereby prevent displacement of said series of boxes outwardly through the door opening.

2,276,867
CIGAR LIGHTER
George J. Pistey, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application May 25, 1938, Serial No. 209,863
15 Claims. (Cl. 219—32)



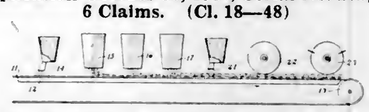
14. In an electric cigar lighter, an igniting unit adapted to be mounted on a holding device and completely removable therefrom for use; a heating element carried by the igniting unit; an energizing circuit for the heating element, including a bimetallic contact on the igniting unit connected to one terminal of said heating element; a second bimetallic contact on the igniting unit insulated from the first contact and connected to a source of current, said contacts having spaced free ends; a bridging member on the igniting unit movable into engagement with the free ends of said contacts to close the circuit from said source of current to said heating element, each of said contacts being in good heat-exchange relation with the heating element, and flexing when the heating element has been brought to the desired temperature to automatically open the circuit through the heating element at the bridging member.

2,276,868
WINDOW SASH
Rudolph J. Polenz, Milwaukee, Wis.
Application September 1, 1939, Serial No. 293,067
1 Claim. (Cl. 20—52)



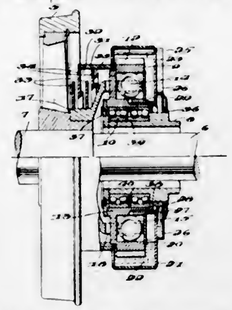
In a guillotine window, a conventional sash having a horizontal groove on a side face of one of the rails thereof, and having a vertical groove on each of the opposite side faces of each of the vertical stiles, the vertical grooves on the side faces of the stiles which correspond to the face of the rail in which the horizontal groove is formed being interconnected with the horizontal groove and all the grooves being disposed to lie at least in part outwardly beyond the adjacent edges of the window frame and being permanently exposed and in free communication with the surrounding atmosphere, so as to form visible and permanent depressed lines of demarcations between the exposed faces of the sash and the adjacent trim or frame of the window to prevent formation of a paint film or deposit bridging the space between the edge of the groove farthest from the frame or trim and the adjacent face of the latter whereby paint after prepriming can be applied to the sash in closed position of the window and will be held out of contact with the frame so as to prevent sticking of the sash to the frame.

2,276,869
METHOD OF MAKING SHEET PRODUCTS
Thomas C. Pond, Larchmont, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 30, 1937, Serial No. 172,022
6 Claims. (Cl. 18—48)



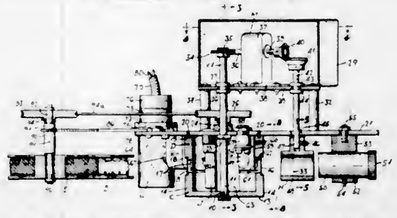
1. In making a sheet product, the method which comprises forming, in turn, a plurality of layers, one upon another, including each an intimate dry mixture of fibres and a binder adapted to be hardened and including fibres of average length greater in the one of the said layers that is to constitute a face of the product than in the adjacent one of the said layers, applying water in excess to the materials forming the several layers, strongly compressing and consolidating the several layers, and then hardening the binder.

2,276,870
RESILIENT WHEEL DRIVE FOR RAILWAY VEHICLES AND LUBRICATING MEANS THEREFOR
Franz Prantl, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application March 4, 1940, Serial No. 322,233
In Hungary March 7, 1939
4 Claims. (Cl. 105—131)



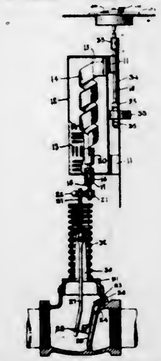
1. In drive mechanism for electrically driven railway vehicles of the type comprising a driving axle, wheels mounted on the ends of said axle, a bushing surrounding said axle, a gear wheel journalled on one end of said bushing adjacent one of said axle wheels, torque transmitting connections between said gear and axle wheel comprising helical springs carried by said gear wheel and coupling arms carried by said axle wheel extending between and bearing against opposed ends of adjacent springs, and a casing enclosing said gear wheel and providing an oil sump into which said gear dips, the combination with said gear of oil passages leading from the hub portion thereof to said springs for forcing oil by centrifugal force to said springs, means for collecting oil thrown onto the casing wall and for conveying the collected oil by gravity flow to the inlet ends of said oil passages, and means for returning excess oil supplied to said springs to said sump by gravity flow.

2,276,871
FILM FEEDING MECHANISM
Myron H. Press, Woodside, N. Y.
Application August 15, 1939, Serial No. 290,204
6 Claims. (Cl. 88—16.2)



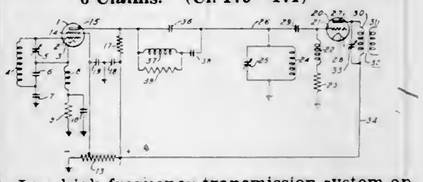
1. A film feeding and projection device comprising a feed reel, a take up reel, rotating and fixed drums having a common axis, said drums being positioned side by side, said fixed drum being hollow and including a source of light and a window and means on said rotating drum carrying said film across said window, said window having a condensing lens and a projection lens aligned with said window and means to cut off passage of light at intervals between said condensing and projection lens.

2,276,872
THERMOSTATIC CONTROL MEANS
Clara E. Quinn, St. Petersburg, Fla., assignor to Broquinda, Inc., St. Petersburg, Fla., a corporation of Delaware
Application April 26, 1941, Serial No. 390,451
2 Claims. (Cl. 236—101)



1. In a thermostatic control means, in combination, a mounting plate, a box-like structure hingedly mounted on said plate, a helical bi-metal element mounted in said box with its upper end fixed thereto, a shaft attached to the lower end of said element and rotatably mounted in the lower portion of said box-like structure and operable by said bi-metal element, said shaft being adapted to operate a valve, a cam rotatably mounted on said mounting plate in position to cause said box to pivot about its hinges, resilient means for retaining said box against said cam, and means comprising a dial and pointer for rotating said cam to adjust the tension of said helical bi-metal element.

2,276,873
VARIABLE FREQUENCY COUPLING
Sheldon I. Rambo, Baltimore, and Reuben Lee, Catonsville, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 8, 1941, Serial No. 373,616
6 Claims. (Cl. 179—171)



1. In a high frequency transmission system operable within a wide range of frequencies wherein certain desired ranges of frequencies are separated by an undesired range, a circuit for energy transfer between the output circuit of a vacuum tube and the input circuit of a succeeding vacuum tube, said first mentioned circuit including a coupling element whose impedance changes within said wide band of frequencies causing undesirable variation in said energy transfer, means for maintaining the effective coupling impedance substantially the same in one said desired range as in the other comprising a circuit in parallel with said coupling element including reactive components, the combined impedance of which changes in the opposite sense than does said coupling element in passing from

one said desired range to the other, said reactive components, together with said element, forming an effective coupling impedance which is greater at said undesired range than in said desired ranges.

2,276,874
ACID AND ALKALI RESISTANT CELLULOSE ESTER COATING COMPOSITION
Harold C. Reynolds, Jr., Roselle Park, and Henry B. Kellog, Union City, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 19, 1938, Serial No. 235,776
6 Claims. (Cl. 260—17)

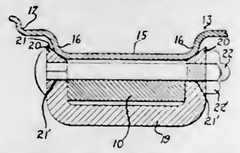
1. A hard, tough, flexible, acid- and alkali-resistant coating composition comprising a cellulose derivative selected from the class consisting of cellulose esters and cellulose ethers, a halogen derivative of a substantially saturated aliphatic hydrocarbon polymer having a molecular weight above 1,000 and an iodine number below about 50, containing at least 10% of halogen, a non-volatile mutual solvent for said cellulose derivative and polymer comprising a high-boiling ester, and a volatile solvent, said non-volatile solvent being present in an amount sufficient to maintain the residual non-volatile constituents in clear condition upon evaporation of the volatile solvent.

2,276,875
THREAD ROLLING DIE
Cecil Charles Richards, West New York, N. J., assignor to Groov-Pin Corporation, Union City, N. J., a corporation of New York
Application May 3, 1939, Serial No. 271,472
4 Claims. (Cl. 80—9)



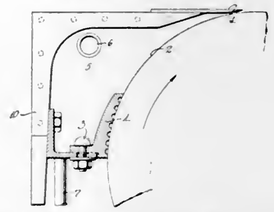
1. A thread rolling die having a thread rolling rib along the face thereof, said die being transversely slotted near one end thereof from the under face to near the thread rolling face, said die having a screw extending longitudinally from the end thereof, traversing the thickness of said slot and threaded into the body of the die and serving to depress the corresponding end portion of the die rolling face.

2,276,876
WHEEL
Edward L. Rietz, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 20, 1941, Serial No. 384,299
5 Claims. (Cl. 301—18)



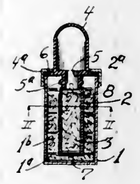
1. In a wheel structure having an outer rim and an inner rim, rim clamping means for attaching the outer rim concentrically about the inner rim, the rims when assembled having an annular space therebetween, said means comprising a plurality of clamping devices, each including a U-shaped member adapted to fit the inner rim from its inner side with the legs of the U extending diametrically outwardly and adapted to engage respectively opposite side portions of the second rim, said legs being apertured on an axis diametrically outwardly of the periphery of the inner rim and inwardly of the inner periphery of the outer rim, and a bolt passed through said apertures between the rims and adapted to draw the legs of the U together to clamp the outer rim.

2,276,877
PAPER MACHINE
Oscar Rolls, Honefoss, Norway
Application January 21, 1937, Serial No. 121,502
In Norway January 17, 1936
8 Claims. (Cl. 92—44)



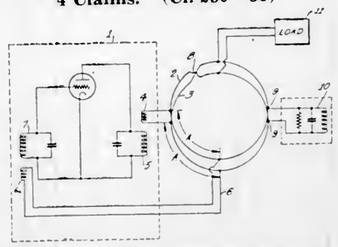
1. In a paper-machine of the Fourdrinier type, the combination of a breast-roll, a wire-cloth running over said breast-roll, a pulp outlet for supplying pulp to said wire-cloth above said breast-roll, and a vacuum box located below said pulp outlet in front of the upward moving portion of said breast-roll, a portion of the surface of said breast-roll forming a wall of said vacuum box.

2,276,878
NEBULIZER
William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware
Application August 22, 1940, Serial No. 353,600
4 Claims. (Cl. 299—88)



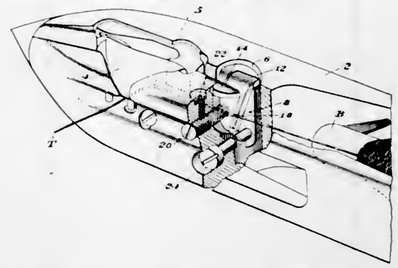
1. A nebulizer device, comprising a tubular body member, a spray nozzle at one end of said member, a pressure element at the other end of said member, an annular body insert member of a compressible material integral with said pressure element, engaging said body in fluid-tight relation, said insert member providing communication between pressure element and tube, a tube core of an absorbent material at one end abutting against the end of said insert, disposed substantially in spaced relation to the walls of said body member, and at the other end substantially covering the opening in said nozzle, the insert and core having a combined length slightly greater than that of the body member, and means for distributing pressure air from the pressure element into the space between the core and the body member.

2,276,879
HIGH FREQUENCY OSCILLATOR
Melvin A. Rote, Newark, N. J., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware
Application November 10, 1939, Serial No. 303,750
4 Claims. (Cl. 250—36)



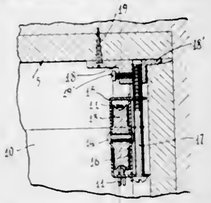
1. An oscillator comprising an output circuit, a conjugate bridge network comprising a re-entrant loop circuit connected at one point to said output circuit, a balancing circuit connected to said network at a second point, means for connecting a load circuit to said network intermediate said points, and an input circuit for said oscillator connected to said network and electrically remote from said means.

2,276,880
SELF-THREADING AND THREAD-TENSIONING SHUTTLE
Arthur G. Russell, Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application April 17, 1940, Serial No. 330,074
10 Claims. (Cl. 139—217)



1. An automatic threading and thread-tensioning shuttle including a shuttle body with a bobbin chamber and an eye providing a longitudinal thread passage centrally of the shuttle, a fixed jaw and a relatively movable jaw for tensioning the thread, located between said chamber and said passage providing a wedge-shaped entrance therebetween to initially engage and tension an entering thread and presenting upper faces merging with substantially lower respective normal thread-engaging tensioning portions of said jaws substantially at the level of said passage, said jaws having their rear thread-engaging margins inclined downwardly and forwardly whereby an entering thread initially engaged and tensioned is urged and moves downwardly towards and to said normal thread-engaging tensioning portions towards said passage, guiding means for said movable jaw to maintain said jaws in substantially fixed angular relationship in their relative movement to and from one another, and means yieldingly urging said jaws together in thread-engaging relation.

2,276,881
COUNTERBALANCED WINDOW SASH
Fridolin Schimmel, Faribault, Minn., assignor to Herbert E. Schimmel, Minneapolis, Minn.
Application January 31, 1940, Serial No. 316,541
2 Claims. (Cl. 16—211)

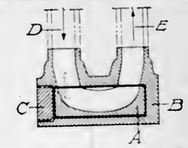


1. A belt supporting and guiding device of the kind described involving a casing having at least one laterally projecting flange, a pulley journaled in said casing, a fixed support above said casing, and a screw rod passed through said flange and having a threaded upper end adjustably engaging said fixed support, said screw rod having a head engaging said flange and directly supporting said casing with freedom for oscillatory movements around said rod, said rod affording the sole means for vertically adjusting said casing and the pulley journaled in the latter, said casing, when said device is removed from working position, being capable of at least 180° rotation on said rod, whereby, said device is made applicable to either side of a window casing.

2,276,882
GASTRIC MUCIN PRODUCT AND PROCESS FOR PRODUCING SAME
Herman J. Schneiderwirth, Mount Vernon, N. Y.
No Drawing. Application February 23, 1940, Serial No. 320,420
8 Claims. (Cl. 260—112)

5. A process for the treatment of natural gastric mucin, which comprises treating natural gastric mucin with an excess of ammonia to produce a solution containing not less than 0.5% of ammonia, separating the thus formed precipitate from the liquid, and evaporating the liquid to dryness.

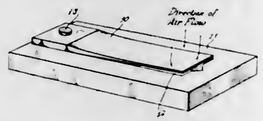
2,276,883
APPARATUS FOR PREHEATING LIQUID CARBONACEOUS MATERIAL
Ewald Schön and Alfred Schiwy, Buer, and Ewald Woehner, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard Catalytic Company, a corporation of Delaware
Application February 11, 1939, Serial No. 256,002
In Germany May 18, 1937
1 Claim. (Cl. 196—133)



An apparatus for preheating liquid distillable carbonaceous materials containing solid matter in dispersion with gases selected from the group consisting of hydrogen and gases containing free hydrogen, before treating them under high pressure of at least 50 atmospheres and at high temperatures above 300° C., which consists in a tube preheater provided with return bends furnished with interchangeable tube-shaped pieces fixed

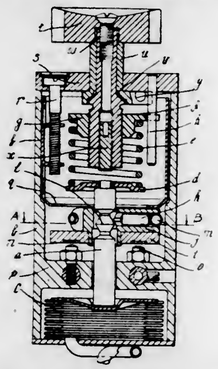
therein and made of a ceramic material as hard as substances having a Brinell hardness of more than 400.

2,276,884
REED STRUCTURE
Howard Scott, Wilkinsburg, Pa.
Application October 19, 1939, Serial No. 300,192
6 Claims. (Cl. 84—363)



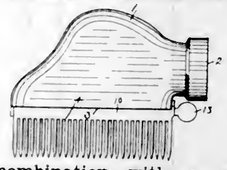
1. In a reed structure, in combination, a base plate having an opening extending therethrough, the opening being provided for the flow of air, and a reed disposed in alignment with the opening in the base plate, the reed fitting the opening closely enough to control the flow of air through the opening, the base plate having a groove leading from the surface into the opening to cooperate with the reed in controlling the flow of air, the maximum depth of the groove being about one-half of the amplitude of the reed.

2,276,885
THERMALLY OPERATED ELECTRIC SWITCH
John Edward Sherlock, Sunbury-on-Thames, England
Application February 17, 1940, Serial No. 319,520
In Great Britain February 20, 1939
1 Claim. (Cl. 200—83)



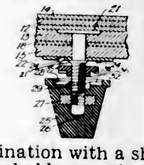
A thermally operated electrical switch device, comprising a thermostatic control element, a spindle responsive to the movements of said element, a double conical ramp formed on said spindle, a housing, fixed electrical switch contact elements within said housing, a ring freely mounted around said spindle, a plurality of plungers equidistantly spaced around and movable radially within said ring, spring means maintaining the inner ends of said plungers in contact with one or the other of the coned surfaces of said ramp and guiding said ring for movement axially of said spindle, movable electrical switch contact elements carried by said ring and movable thereby into and out of operative engagement with said fixed contacts, and means for varying the extent of movement of said ring in the direction which disengages said contacts to thereby adjust the temperature differential of the device.

2,276,886
HAIR AND SCALP CLEANING DEVICE
George A. Smith, Baltimore, Md.
Application May 1, 1939, Serial No. 271,195
6 Claims. (Cl. 128—297)



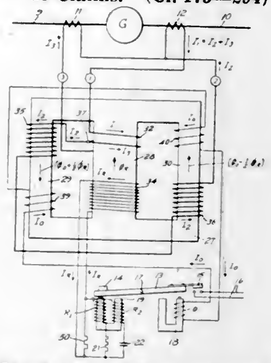
6. The combination with a suction head adapted to be connected to a suitable suction-producing mechanism and having a mouth therein, and a comb removably secured in said head and having serrated teeth.

2,276,887
ATHLETIC SHOE
Tucker P. Smith, Columbus, Ohio
Application February 10, 1939, Serial No. 255,681
18 Claims. (Cl. 36—59)



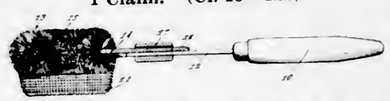
1. The combination with a shoe, of a cleat, and means for detachably securing said cleat to said shoe, comprising interengaging members in the shoe sole and in the cleat, a disc interposed between the cleat and the sole formed of frictional and distortable material, and means on the sole and on the cleat, respectively adapted to distort and interlock with said disc when the parts are assembled, whereby the cleat may not be displaced from the sole except by means of a force greater than that applied under ordinary playing conditions.

2,276,888
FLARED-RATIO DIFFERENTIAL RELAY AND AUXILIARY TRANSFORMER THEREFOR
William K. Sonnemann, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1939, Serial No. 311,377
15 Claims. (Cl. 175—294)



1. A flared-ratio differential-relay assembly for use in connection with current-responsive input and output transforming-means for deriving additive and differential relaying-currents, respectively, from a differentially protected device, said differential-relay assembly comprising the combination, with said relaying-current transforming-means, of a differential relay element having an operating winding or windings and a restraining winding or windings, and an auxiliary transformer, said auxiliary transformer having a three-legged magnetizable core having a center-leg magnetic circuit and an outer-leg magnetic circuit, an additive-current primary winding-means and a restraining-current secondary winding-means both disposed upon one of the magnetic circuits of the auxiliary transformer, a differential-current primary winding-means and an operating-current secondary winding-means both disposed upon the other magnetic circuit of the auxiliary transformer; the additive-current primary winding-means being electrically connected so as to circulate an additive-current flux around its magnetic circuit of the auxiliary transformer, the differential-current primary winding-means being electrically connected so as to circulate a differential-current flux around its magnetic circuit of the auxiliary transformer, the operating-current secondary winding-means being electrically connected so as to energize the operating winding or windings of the differential relay element, and the restraining-current secondary winding-means being electrically connected so as to energize the restraining winding or windings of the differential relay element.

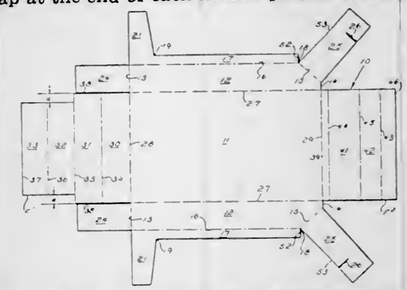
2,276,889
DISHWASHING BRUSH
Elsie M. Stark, New York, N. Y.
Application February 26, 1940, Serial No. 320,916
1 Claim. (Cl. 15—122)



A dish washing brush comprising a substantially circular wire basket open at the top having a handle projecting laterally from the open top, a circular wire brush assembled with the basket including a circular twisted wire core to which bristles are attached, the bristles extending from the center to the periphery of the open top of the basket and forming a cover for the basket through which water may freely pass into and out of the basket, the bristles in flexing rubbing the soap in the basket to accelerate the formation of suds, the twisted wire core of the brush being extended laterally to form a loop shank disposed to extend along the handle of the basket, and a coupling sleeve surrounding the shank and the handle of the basket to removably secure the brush to the basket.

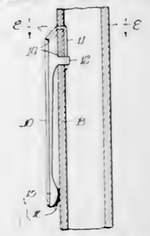
2,276,890
PACKING AND MERCHANDISING CONTAINER
Carl H. Steinbiss, San Francisco, Calif., assignor to Lyons-Magnus, Incorporated, San Francisco, Calif., a corporation of Delaware
Application July 22, 1938, Serial No. 220,760
4 Claims. (Cl. 229—34)

1. A blank for forming a confection or like carton capable of being secured in final form without the use of adhesives or locking means comprising a main body portion, a projecting portion at each end, having substantially parallel scored lines where each projecting portion may be folded into panels forming the ends of the carton, a projecting side panel portion at each side for forming the sides of the carton; a diagonally disposed flap at the matching ends of each side panel portion adapted to be folded transversely of said body portion to form a sloping top end portion overhanging said end of said body portion and having cooperating slits for locking said flaps and side panels in proper position; a narrow projecting portion at the free side of each of said second mentioned projecting portions for forming top side portions overhanging said body portion; a coplanar right angularly extending flap at the end of each narrow projecting portion



adjacent the opposite ends of said second mentioned projecting portions adapted to be folded transversely of said body portion to form a top end portion overhanging the other end of said body portion; and a flap at said same opposite end of each of said second mentioned projecting portions adapted to be folded transversely of said body portion to form an end wall at that end of said body portion, said first mentioned projecting portions being adapted to be folded at said scored lines to form connected panels engaging both the exterior and the interior of said top end portions and said end wall respectively, and having end portions engaging the main body portion for locking the blank in its final folded formation.

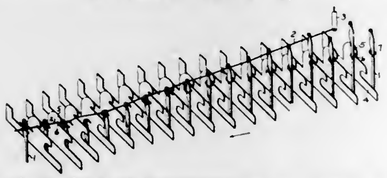
2,276,891
CLIP FOR POCKET ARTICLES
Albert H. Stenersen, Chicago, Ill., assignor to Eversharp, Inc., a corporation of Delaware
Application October 6, 1939, Serial No. 298,167
6 Claims. (Cl. 24—11)



4. A clip of the sort described comprising an integral body having an elongate shank portion, a longitudinal tang extending rearwardly from one end of the shank portion and lateral tangs extending rearwardly from the opposite sides of the shank portion at locations spaced from the longitudinal tang by a distance less than the length of the longitudinal tang, said lateral tangs being spaced laterally from each other to accommodate the longitudinal tang between them when it is bent to a position behind and approximately

parallel with the shank, said lateral tangs being of sufficient length to permit their being bent toward each other to overlap the rearward side of the longitudinal tang when it is in said relationship.

2,276,892
METHOD OF KNITTING
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 2, 1939, Serial No. 254,247
4 Claims. (Cl. 66—8)



1. A method of incorporating an elastic yarn in a knitted fabric including the steps of feeding that yarn to hooks of some of the needles and not to others and maintaining it in the hooks of those needles until it is to be drawn into knitted stitches and at that time, projecting sinkers inwardly for casting off a loop previously drawn, and at the same time, controlling said elastic by said sinkers to prevent its being taken within the hooks of needles to which it is not intended to be fed.

2,276,893
POLYMERIZATION OF OLEFINS TO HIGH MOLECULAR WEIGHT HYDROCARBON POLYMERS
Robert M. Thomas, Union, and Irving E. Lightbown, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1938, Serial No. 248,790
7 Claims. (Cl. 260—93)

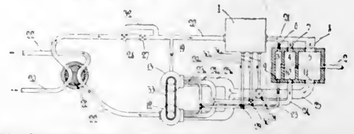
6. In the process of preparing hydrocarbon viscous to solid linear hydrocarbon polymers having molecular weights above 1,000 by the polymerization of low molecular weight iso-olefin and low molecular weight conjugated diolefin reactants with a Friedel-Craft halide catalyst at a temperature below —10° C., the improvement consisting in dispersing said catalyst in an organic liquid having a freezing point substantially below —10° C. and having no deleterious effect on the polymerization reaction, atomizing said liquid containing the dispersed catalyst into finely divided liquid particles, and dispersing said particles into the iso-olefin and diolefin reactants maintained in a liquid phase at a reaction temperature below —10° C.

2,276,894
HEEL SUPPORT FOR BACKLESS SLIPPERS
Michael Vardy, New York, N. Y.
Application May 8, 1940, Serial No. 333,923
2 Claims. (Cl. 36—58.5)



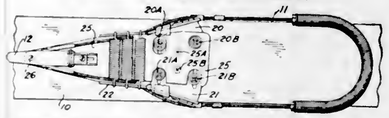
1. In a backless slipper having a very low counter portion for engaging about the base of one's heel, a cresent shaped lining of elastic material having the central portion of its top edge stretched, said stretched central top edge portion being attached to the top edge of said counter portion leaving the ends and bottom edge of said lining free to engage frictionally about the base of the back of one's heel to hold the heel of said slipper in position thereon, and means for holding the bottom edge of said lining in various forward projected positions to increase the frictional engagement of said bottom edge against the base of the back of one's heel.

2,276,895
HYDRAULIC TRANSMISSION MEANS
Heinrich Franz Vosseler and Harry Albert William Pierard, Stratford, New Zealand, assignors to said Vosseler, said Pierard, William Henry Young, Hawera, New Zealand, and Bertram George Aiken Harkness, New Plymouth, New Zealand
Application November 13, 1939, Serial No. 304,250
In New Zealand November 18, 1938
3 Claims. (Cl. 103—11)



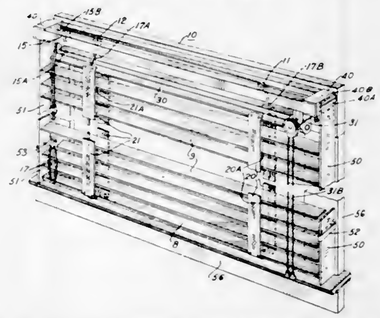
1. Hydraulic transmission means including a reservoir in combination with a fluid circuit, a series of pumping units communicating with said reservoir and each succeeding unit having twice the output capacity of the preceding unit and all of said units being adapted to operate at continuously full capacity to draw fluid from said reservoir, branched discharge pipes extending from each unit, each succeeding discharge pipe having twice the size of the preceding pipe to conform to the output capacity of its corresponding pumping unit, flow control valve means arranged at one branched end of said discharge pipes and exhaust control valve means arranged at the other branched end of said discharge pipes, said valve means adapted to operate in unison whereby the pumping units may be regulated so that the full capacity is utilized for work or diverted back to said reservoir, or so that any portion of the output can be utilized for work and the remainder diverted back to the reservoir without performing work.

2,276,896
SKI BINDING
Brooks Walker, Piedmont, Calif.
Application April 2, 1940, Serial No. 327,384
5 Claims. (Cl. 280—11.35)



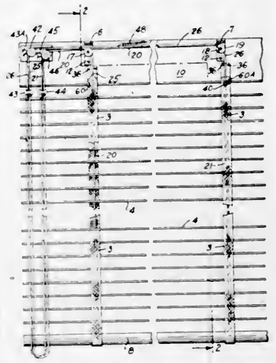
1. In combination a ski binding and a ski, said binding including a pair of toe plates, each including a substantially vertical member, one of said toe plates being rigidly secured to said ski, the other toe plate being yieldably urged to a normal position, said vertical member of the movable toe plate being so mounted that it will move outward bodily from end to end on application of excess pressure and returning to said normal position automatically when said excess pressure is removed, the vertical member of said movable toe plate remaining substantially vertical during the outward movement.

2,276,897
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application June 17, 1940, Serial No. 340,919
2 Claims. (Cl. 156—17)



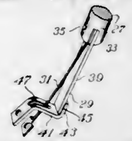
1. A Venetian blind attachable to a window frame, including in combination, a header rail, brackets for supporting said header bar on said frame, said bracket having integral holding means, a plurality of horizontally disposed slats, vertically disposed tapes for supporting said slats on said rail, and a pair of vertical slats releasably secured to said brackets by said holding means and extending downwardly adjacent the ends of said horizontal slats for sealing the ends of the slats to said window frame.

2,276,898
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application April 30, 1941, Serial No. 391,103
12 Claims. (Cl. 156—17)



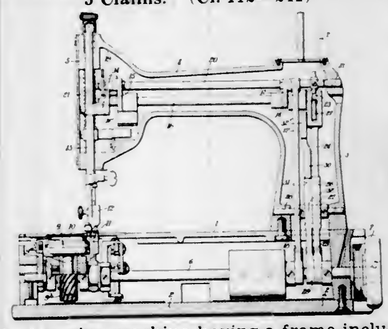
1. A Venetian blind supporting means, including a main support, a plurality of blind slats suspended by flexible elements from said main support, said flexible elements including front and rear portions relative to said slats, a fascia element at the top of said blind, one side of said flexible element rigidly secured to said fascia, a support for said fascia, flexible lifting elements for collapsing and tilting said slats, pulleys for said flexible elements, said pulleys supported at least partially by said fascia support.

2,276,899
CIRCUIT INTERRUPTER
James M. Wallace, North Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1938, Serial No. 222,815
8 Claims. (Cl. 200—117)



1. In a circuit interrupter, a pair of relatively rigid conducting members normally secured together and separable upon the occurrence of predetermined conditions, biasing means for applying a force to move one of said conducting members longitudinally, and means cooperating with said biasing means to cause said biasing means to move said conducting members laterally apart prior to substantial movement of said one member longitudinally, and said conducting members being rigid with respect to the force exerted by said biasing means in a direction to move said conducting members laterally apart.

2,276,900
TAKE-UP FOR SEWING MACHINES
Max L. Waterman, Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 25, 1939, Serial No. 291,839
5 Claims. (Cl. 112—241)

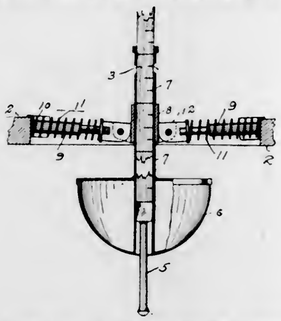


1. A sewing machine having a frame including a bed and overhanging bracket-arm with upright and laterally overhanging portions, a main shaft in said bed, a needle and needle-operating rock-shaft carried by said bracket-arm, a loop-taker in said bed cooperatively related to said needle, a needle-thread take-up arm, a take-up rock-shaft carrying said take-up arm and disposed within the laterally overhanging portion of said bracket-arm, a take-up eccentric on said main-shaft, a take-up actuating lever embracing said eccentric and extending upwardly within the upright portion of said bracket-arm, a fulcrum for said lever between the ends of the latter, and an operative connection between the upper end of said lever and said take-up rock-shaft.

2,276,901
LIQUID GAUGE
Oliver Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio
Application October 2, 1939, Serial No. 297,523
18 Claims. (Cl. 73—319)

18. A liquid gauge, including a guide sleeve,

gauge elements freely movable relative thereto, and oppositely disposed arms pivotally connected to the guide sleeve and detachably engageable



with the margin of a container opening into which the gauge elements are loosely inserted through said guide sleeve.

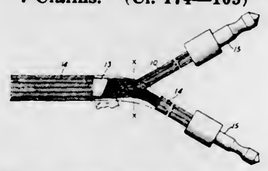
2,276,902

ELECTRICAL CONDUCTOR

Carroll A. Webber, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 25, 1939, Serial No. 306,068

7 Claims. (Cl. 174—105)



1. A flexible electric cable comprising a pair of concentric conductors separated by a layer of insulating material, a textile braiding extending over the entire length of the inner of said conductors, a layer of vinyl chloride tape surrounding the greater portion of the outer conductor and a second braiding placed over the layer of vinyl chloride and extending over the end portion of said outer conductor, the end portions of said braidings being impregnated with a solution of vinyl chloride to form an intimate bond with said tape.

2,276,903

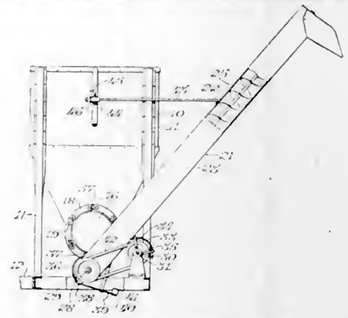
CONVEYER DRIVE

Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 12, 1940, Serial No. 329,328

7 Claims. (Cl. 214—17)

2. In combination, a tank having a discharge outlet at its lower end, an elevator pivotally mounted adjacent its discharge end upon the discharge outlet of the tank and adapted to extend vertically upwardly in a non-operating position and upwardly at an angle to the vertical in an operating position, a source of power including a pulley rotatably mounted on an axis spaced from the pivot axis of the elevator on the discharge outlet of the tank, a pulley for driving the elevator rotatably mounted thereon below the mounting of the elevator on the discharge outlet of the tank and adapted to move toward the pulley included in the source of power with movement of the elevator from operating to non-operating position, and a belt connecting the pulleys and operative to transmit power therebe-



tween only with the elevator in operating position.

2,276,904

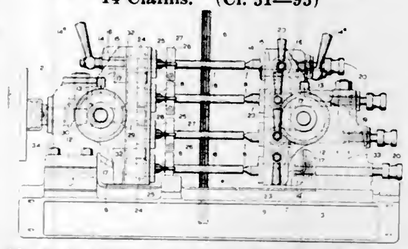
PRODUCTION OF METAL COMPONENTS BY GRINDING

Frederick William Whitehead, Bristol, and Stanley Jaffa Harley, Coventry, England

Application January 19, 1940, Serial No. 314,716

In Great Britain February 1, 1939

14 Claims. (Cl. 51—95)



10. A headstock for grinding machines employing a rotary grinding wheel comprising a supporting member disposed adjacent said grinding wheel, a transversely slidable member carried by said supporting member for sliding movement relative thereto in a direction perpendicular to the axis of said grinding wheel, and relatively symmetrically disposed work centres carried by said respective members.

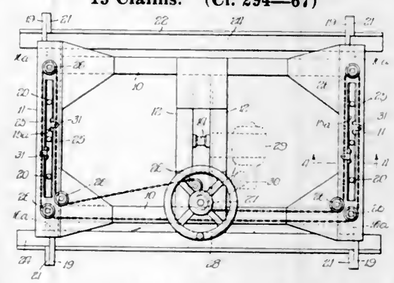
2,276,905

SHEET GRAB FOR HOISTS

Nelson Windsor, South Bend, Ind.

Application July 27, 1940, Serial No. 347,861

13 Claims. (Cl. 294—67)



1. In a grab of the sort described, a frame having bar-supporting members affording rigidly associated upper and lower bearing walls, a pair of slide bars mounted on each of said bar-supporting members with their lower sides in bearing engagement with said lower walls and their upper sides in bearing association with said upper walls, one bar of each pair carrying a jaw at one of its ends and the other bar of each pair carrying a jaw at its opposite end, each jaw depending from its bar in a position offset laterally toward the associated bar of the pair and said lower walls affording slots between the bars of each pair to accommodate movement of the offset jaw portions to positions under the bar-supporting members, and means for actuating the slide bars to shift them longitudinally.

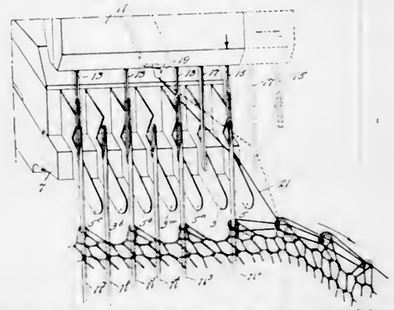
2,276,906

METHOD OF FORMING SELVAGES ON FULL FASHIONED KNITTING MACHINES

Ervin S. Sachsenmaier, Cordele, Ga., assignor to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C., a corporation of Delaware

Application March 29, 1941, Serial No. 385,906

12 Claims. (Cl. 66—96)



1. In a method of forming on a full-fashioned-knitting machine a selvage on the loops of an end course of a fabric, the steps of successively engaging said loops on a single needle of said machine and knitting successive loops of a stitch chain on said needle in the loops of said end course successively placed thereon.

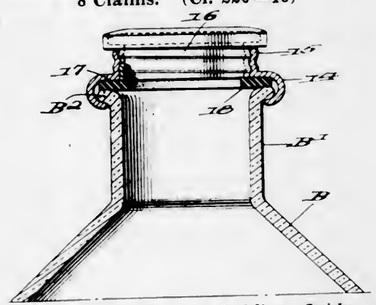
2,276,907

CLOSURE

Hugh W. Sanford, Knoxville, Tenn.

Application May 12, 1937, Serial No. 142,251

8 Claims. (Cl. 220—46)



1. In a receptacle for holding fluids under more than atmospheric pressure, the combination of an openable outlet portion attached to said receptacle, a rigid member securely, adjustably and removably engaged with said outlet portion and at least in part constituting a closure member when closed for preventing the escape of the fluid from the receptacle, said closure member having a leakable crack between itself and said outlet portion with relatively smooth surfaces on opposite sides of said crack, a flexible substantially yieldable annular sealing ring spanning said crack through its entire length and bearing in uninterrupted contact with the surfaces on opposite sides of said crack providing a seal therefor to prevent the escape of fluid under pressure through said crack when said closure member is in closed and engaged position, a shoulder secured in fixed relation to the neck portion underlying the periphery of the ring and the outlet portion surface and cooperating therewith to secure the ring in fixed position, said shoulder being substantially beneath the crack and cooperating with the closure member surface adjacent the crack to pinch the ring therebetween, said sealing ring being in position to be forced by the fluid pressure against the surfaces on both sides of said crack so as to press against said surfaces with pressure in proportion to the internal fluid pressure whereby the greatest internal pressure that the remainder of the receptacle can withstand will be sealed against leakage of the fluid through said crack when the closure member is securely adjusted.

2,276,908

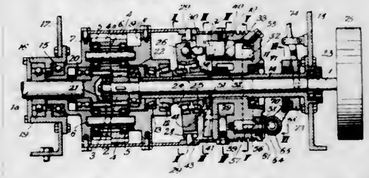
INFINITELY VARIABLE SPEED GEAR

Franz Schmid, Lucerne, Switzerland

Application April 26, 1940, Serial No. 331,860

In Switzerland May 27, 1939

12 Claims. (Cl. 74—293)



1. In an infinitely variable speed gear, a driving shaft and a driven shaft, planetary gearing, a planet wheel carrier arranged in said planetary gearing, planet wheels rotatably mounted on said planet wheel carrier, two central wheels included in said planetary gearing in driving association with said planet wheels, one of said central wheels being fixed on said driving shaft and the second of said central wheels being fixed on said driven shaft, a support stationarily mounted relative to the variable speed gear, a revolvably mounted piston operated liquid pumping means intercalated between said stationary support and said planet wheel carrier, a closed liquid circulation channel communicating with said pumping means, and throttling means included in said channel for infinitely varying the speed of said carrier.

2,276,909

THERMOELECTRIC SAFETY SHUTOFF VALVE AND THERMALLY OPERATED CONTROL THEREFOR

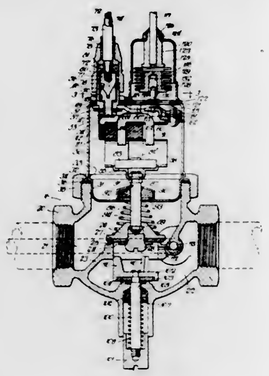
Henry F. Alfery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 26, 1938, Serial No. 186,967

8 Claims. (Cl. 175—335)

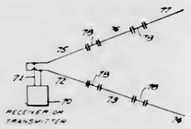
1. In a device of the class described, in combination, a thermoelectric generator, a hood, a first conducting member disposed within said

hood and connected in circuit with one side of said thermoelectric generator, a second conducting member disposed within said hood and insulated from said first conducting member and connected in circuit with the other side of said thermoelectric generator, an electromagnet disposed within said hood and having a magnet frame supported by said first conducting member, and a coil for said magnet frame, said coil



having its terminals connected in circuit with the opposite sides of said thermoelectric generator, a contact on one of said conducting members, a resiliently supported contact connected, within said hood, in circuit with the other conducting member, and means for moving said resiliently supported contact into engagement with the other contact for closing the thermoelectric circuit ahead of said electromagnet to short circuit the electromagnet.

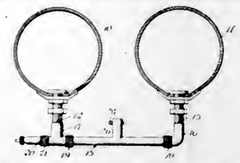
2,276,910
PHASE SHIFTING NETWORK
Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Application August 3, 1939, Serial No. 288,132
8 Claims. (Cl. 250—33)



1. An antenna comprising a first radiant acting conductor, a second radiant acting conductor and a phase advancing network comprising two phase advancing reactance elements connected in conjugate relation with respect to the operating frequency of said antenna interconnecting said radiant acting conductors.

2,276,911
COMMUNICATING VALVE
Francis Alward, Lexington, Mass.
Application October 13, 1941, Serial No. 414,753
7 Claims. (Cl. 152—429)

5. In combination with dual tires, a communicating valve therebetween, said valve including a flexible tubing, a bore in said tubing, and means for exerting a predetermined pressure against



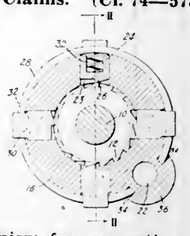
said tubing to close said bore when the pressure in said tires falls below a predetermined point.

2,276,912
CLIPPER BLADE SET
Matthew G. Andis, Jr., Racine, Wis.
Application May 10, 1941, Serial No. 392,837
5 Claims. (Cl. 30—224)



1. A blade set comprising complementary toothed blades having hardened bearing surfaces in mutual contact, one of said blades being provided with a porous oil-filled metal insert constituting an extension of its bearing surface and partially overlapped by the bearing surface of the other blade.

2,276,913
MECHANISM FOR CONVERTING MOTION
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 17, 1941, Serial No. 423,348
5 Claims. (Cl. 74—578)

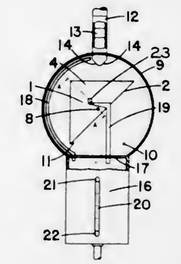


1. A mechanism for converting an oscillatory motion into an intermittent unidirectional rotary motion, having in combination, a shaft, a ratchet wheel fixed on the shaft, an oscillatory carrier loose on the shaft, radial pawls movably mounted in the carrier, coil springs for maintaining the teeth of the pawls in contact with the teeth of the ratchet, a single C-shaped means for maintaining the pawls and coil springs in position in the carrier, and means to prevent rotation of the C-shaped means relatively to the carrier.

2,276,914
FLUID SAMPLER AND CONTAINER
Burton Atkinson, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 21, 1939, Serial No. 310,393
2 Claims. (Cl. 73—21)

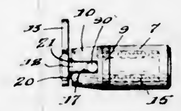
1. A sampling device comprising a casing, a

movable unit arranged in the upper portion of said casing, said movable unit having two compartments with a sample receiving compartment arranged between them, a pivot attached to each end of said movable unit arranged to be supported by said casing, a partition arranged in said casing to define a closed chamber in the lower portion thereof, a conduit leading through said partition for conducting a liquid stream from



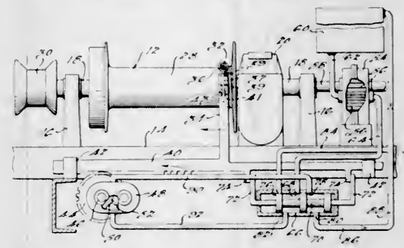
the sample receiving compartment to said chamber, a conduit arranged for conducting gases from the upper portion of said chamber to the upper portion of said casing, a conduit leading from said casing at a point above said partition, but below said movable unit, a conduit extending into an upper portion of said casing to discharge into said movable unit and a conduit leading from the lower portion of said sample receiving compartment.

2,276,915
FASTENER
Roy T. Axe, Syracuse, and Russell B. Nelson, Onondaga, N. Y., assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 4, 1940, Serial No. 338,784
1 Claim. (Cl. 292—60)



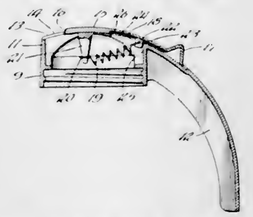
A fastener for clamping two parts together comprising a hollow body for securement to one of said parts, an axially movable and partially rotatable member including a stud mounted in the body and a radial arm at one end of the stud and located outside the body, the stud being movable into and out of fastening engagement with the other of said parts, a spring acting in opposite directions against the body and the operating member, the body being formed at one end with two sets of diametrically opposite slots located so that the slots are substantially 90° apart, and the arm being provided with diametrically opposite shoulders for moving endwise in either set of slots when alined therewith and movable into one set of diametrically opposite slots when the arm is in fastening position and in the other set when the arm is in unfastened position, whereby the arm is held in either of said positions and axial shifting of the operating member is required to move the shoulders out of the slots preliminary to moving the arm into fastened position and into unfastened position.

2,276,916
LEVEL WINDER FOR CABLE DRUM (HYDRAULIC)
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application January 27, 1941, Serial No. 376,042
7 Claims. (Cl. 242—158)



1. A power winch construction comprising, in combination, a drum having a cable wound therearound, driving means for rotating said drum and including a drive shaft, a reciprocable guide arm having a cable receiving guide portion and movable longitudinally of said drum between the ends thereof, and power means for reciprocating said arm, said power means including a reciprocating rack connected to said arm, a pinion in mesh with said rack, a reversible fluid motor operatively connected to said pinion to drive the same, and means to reversibly drive said fluid motor in synchronism with rotation of said drum to cause said arm to reciprocate therealong.

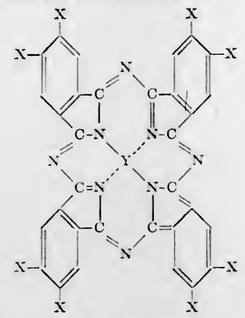
2,276,917
SERVER OR PITCHER
Rudolph Bernhardt, Chicago, Ill.
Application January 27, 1941, Serial No. 376,173
1 Claim. (Cl. 65—31)



A combined closure and dispenser for a container, comprising a body portion engageable with the outlet of the container and having a pouring spout at one side thereof, a handle projecting from the opposite side of the body portion, a guideway in alignment with the spout defined by parallel ridges, a blade slidably mounted in the guideway and extending over the spout when in closing position, means on the blade for manually retracting the same, a projection on the blade extending inwardly through a hole in the bottom of the guideway, the sides of said hole serving as abutments for limiting the movement of the blade, a post extending inwardly from the center of the body portion, and a spring having one end connected with the post and the other end connected with said projection and positioned so that it will at all times tend to hold the blade against the body portion with its forward end in close shearing contact with the spout and also serving to move the blade to closing position.

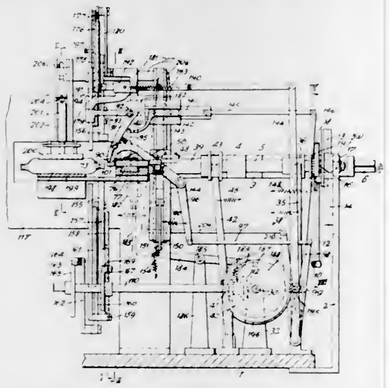
2,276,918
DYESTUFFS OF THE PHTHALOCYANINE SERIES
Berthold Bienert, Leverkusen-Wiesdorf, and Hermann Thielert, Cologne-Merheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 30, 1939, Serial No. 282,130. In Germany July 14, 1938
5 Claims. (Cl. 260—314)

1. The products of the formula:



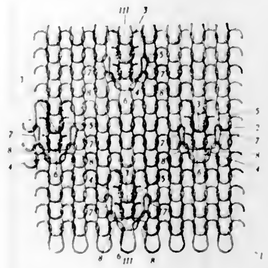
wherein in each of the benzene nuclei one of the X's stands for a sulfonic acid group, the remaining X standing for a member of the group consisting of alkoxy and aryloxy and Y indicates that the products contain a heavy metal in complex combination.

2,276,919
METHOD OF AND MEANS FOR TYING KNOTS
Ernst Brassel and Erwin Münger, Thayngen, Switzerland, assignors to Knorr-Nährmittel Aktiengesellschaft, Thayngen, Switzerland
Application October 16, 1939, Serial No. 299,756
In Switzerland October 29, 1938
12 Claims. (Cl. 226—57)



1. A machine for tying knots of string or the like, comprising a winding device having a rotatable winding member arranged for axial movement, means for clamping a piece of knot material thereto, means for imparting at least two revolutions to the winding member to place the knot material in at least two windings about the latter, means for axially moving the winding member to-and-fro during its movement of rotation, and a stripping member for stripping the wound knot from the winding member and sliding it upon an article.

2,276,920
KNITTED FABRIC AND THE METHOD OF MAKING SAME
Thomas Charles Bromley and Arthur Shortland, Leicester, Thomas Archibald Montgomerie Hill, Sutton Bonington, and Henry Hooper, Woodthorpe, England, assignors to Mellor Bromley & Co. Limited, Leicester, England, a British company, and C. L. K. Limited, London, England, a British company
Application August 10, 1939, Serial No. 289,508
In Great Britain September 3, 1938
5 Claims. (Cl. 66—196)



1. A knitted fabric comprising independently knitted webs, and transferred loops connecting one web with the other in such a manner as to leave holes in at least one of the webs.

2,276,921
PROCESS FOR THE REGENERATION OF CATALYSTS
Ralph Lyman Brown, Bala-Cynwyd, Pa., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application September 26, 1939, Serial No. 296,625
6 Claims. (Cl. 260—449)

1. In a process for the catalysis of a gas to promote a chemical reaction therein by direct contact with a catalyst substantially free from metals of the iron group and compounds of said metals which are reducible by carbon monoxide under the conditions of the catalysis of said gas, wherein contamination of the catalyst with material from the group consisting of the metals of the iron group and compounds thereof reducible by carbon monoxide and resulting loss of activity of the catalyst occurs during passage of the catalysis gas in contact with the catalyst, that improvement which comprises regenerating the activity of the catalyst thus contaminated by heating the contaminated catalyst at 100° to 300° C. and flowing in direct contact with the thus heated catalyst a gas containing carbon monoxide in which the carbon monoxide partial pressure is at least 50 atmospheres and which contains an amount of carbonyl of a metal of the iron group less than the equilibrium concentration of the metal carbonyl in said gas containing carbon monoxide at the temperature at which the gas is flowed in contact with the contaminated catalyst, thereby removing from said catalyst the metal of the iron group contaminating the catalyst.

2,276,922
PURIFICATION OF CYCLOPROPANE
Morton A. Buchman, Cleveland Heights, and Amos G. Horney, East Cleveland, Ohio, assignors, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
No Drawing. Application April 26, 1939, Serial No. 270,226
6 Claims. (Cl. 260—666)

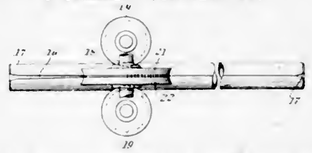
6. The process of purifying cyclopropane commercially which includes the steps of treating cyclopropane contaminated with impurities in the form of unsaturated compounds with a hypochlorous acid solution containing a slight excess of chlorine, removing the chlorine from the thus treated cyclopropane by treating the latter with an alkaline solution, cooling the thus treated cyclopropane to remove higher boiling substances, passing the cyclopropane thru charcoal, drying and liquefying the thus treated cyclopropane and distilling it.

2,276,923
CONDENSER DEVICE
Gordon A. Burr, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 15, 1939, Serial No. 304,535
4 Claims. (Cl. 174—143)



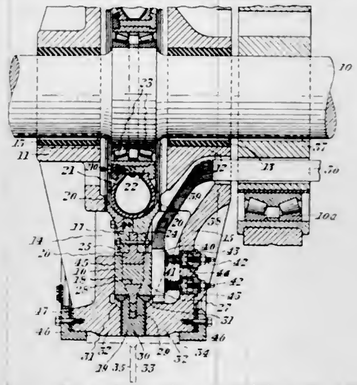
1. In an insulator of the condenser bushing type, a plurality of condenser layers each of which includes a dielectric strip and a conducting strip of substantially equal widths wound into a plurality of corresponding axially progressing turns, said strips in each layer being arranged in such manner that a first edge portion of said conducting strip overlaps a first edge portion of said dielectric strip and a second edge portion of said conducting strip is overlapped by a second edge portion of said dielectric strip, additional dielectric means disposed between said layers, and adhesive material for bonding normally contacting surfaces together.

2,276,924
METHOD OF WELDING
James V. Caputo, Crafton, Pa.
Original application December 31, 1934, Serial No. 759,809, now Patent No. 2,202,898, dated June 4, 1940. Divided and this application April 23, 1940, Serial No. 331,138
9 Claims. (Cl. 219—10)



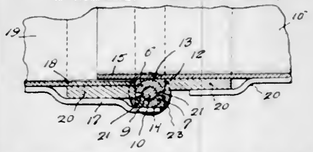
9. In a method of making pipe, the steps including forming skelp into blanks, each having a longitudinal seam cleft, and progressively welding said edges together by causing engagement thereof with electrodes, thereby passing current between said edges to heat them to fusion and pressing them together, and causing said current to vary gradually during the engagement of said electrodes with said edges adjacent one end of the blank by widening the seam cleft at said end whereby the current traversing said edges is gradually shifted between a path across said cleft and a path around the blank.

2,276,925
WELDING ELECTRODE
James V. Caputo, Crafton, Pa.
Application June 24, 1940, Serial No. 342,181
8 Claims. (Cl. 219—4)



2. A welding electrode comprising an annular body of copper or like material, and a rim of an alloy having high electrical conductivity and a hardness greater than that of copper.

2,276,926
SHAKING CONVEYER
Dalton Carden, Mount Harris, Colo.
Application August 4, 1941, Serial No. 405,416
2 Claims. (Cl. 198—220)

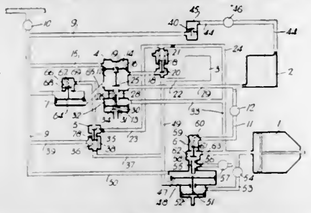


1. A coupling unit provided with a pair of members each formed with a longitudinal groove disposed one adjacent the other and with said members adapted to be secured to the adjacent ends of a pair of conveyer pans respectively, a shaft disposed in said grooves and normally maintaining said members in sufficient spatiality to permit limited relative rotation of said members about said shaft, the ends of one of said members being provided with pins, and collars sleeved on the ends of both of said members and provided with bayonet slots receiving said pins for detachably securing said collars about the respective ends of said members to maintain the latter together in coupled relation about said shaft.

2,276,927
FLUID PRESSURE BRAKING SYSTEM AND VALVE MECHANISM RELATING THERETO
Fernand Christen, Berne, Switzerland
Application September 14, 1940, Serial No. 356,849
In Switzerland September 30, 1939
13 Claims. (Cl. 303—74)

1. In a fluid pressure brake equipment, in combination, a normally charged brake pipe, a nor-

mally charged auxiliary reservoir, a normally charged control reservoir, said reservoirs being normally connected together, a brake controlling valve device normally subject to the opposing pressures of the brake pipe and control reservoir and operative upon a reduction in brake pipe pressure to supply fluid under pressure from the



auxiliary reservoir to effect an application of the brakes, means operative upon a reduction in brake pipe pressure for locally venting fluid under pressure from the brake pipe to effect a quick service reduction in brake pipe pressure, and means responsive to the pressure of fluid locally vented from the brake pipe for closing the connection between said reservoirs.

2,276,928

CUTTING TOOL AND HOLDER

Edward A. Christoph, Chicago, Ill.

Application May 11, 1939, Serial No. 272,977
3 Claims. (Cl. 30—336)



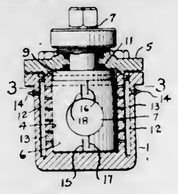
1. In a knife, a handle having a slot at one end, said handle being tapered at the slotted end, a ferrule disposed about said slotted end of the handle, a blade having a shank adapted to be forced into said slot after the ferrule has been disposed about the slotted portion of the handle, said ferrule having portions resiliently engaging opposite edges of said shank so as to hold said shank and ferrule against relative movement, outward movement of the ferrule and blade relative to the tapered portion of the handle serving to cause the ferrule to force the portions of the handle on opposite sides of the slot into firm gripping engagement with the sides of said shank.

2,276,929

VALVE ASSEMBLY

Walter L. Church, Houston, Tex., assignor of one-half to William K. Holleron, Victoria County, Tex.

Application May 21, 1940, Serial No. 336,317
2 Claims. (Cl. 251—101)



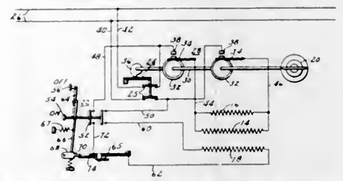
1. A valve assembly comprising a valve casing having a passageway therethrough for fluid and having a bore across the passageway forming a valve seat, a unitary valve on the seat having a bore and turnable to bring its bore into and out of alignment with the passageway, said valve having slits across the valve in staggered relation to render the valve transversely yieldable.

2,276,930

OVEN HEATING SYSTEM

Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 19, 1940, Serial No. 357,365
2 Claims. (Cl. 219—20)



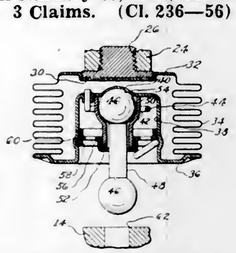
1. An electric heating system for an oven comprising a first heating element and a second heating element respectively connected to a power source alone for baking and for broiling purposes and connected to said source jointly for preheating purposes only, a first thermostat for controlling the circuits of both of said heating elements, a switch biased to the open position and when closed connecting said second heating element in circuit, a second thermostat in circuit with said second heating element only, and means for holding said switch in its closed position in opposition to its biasing force, said second thermostat in the cooling portion of its cycle, when said first thermostat opens to deenergize both of said heating elements during the joint or preheating connection thereof, actuating said holding means whereby said switch is operated by its biasing force to open position.

2,276,931

STEAM TRAP

Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware

Application January 26, 1940, Serial No. 315,864
3 Claims. (Cl. 236—56)



1. A steam trap comprising a body having a valve seat, a bellows unit within said body and having one end secured thereto, a head having the free end of said bellows unit, said head having a cup-shaped reentrant portion extending into the interior of said bellows unit, a valve having a shank portion provided with a ball portion at one end and a curved seating surface at the opposite end thereof, a sleeve surrounding said shank portion, said sleeve being enlarged at one end, and means for securing said sleeve within said reentrant portion in such manner that the enlarged end of said sleeve cooperates with the inner wall of said reentrant portion to form a swivel mounting socket for said ball portion, the opposite end portion being disposed in cooperative relationship with said valve seat.

2,276,932

TREATMENT OF RUBBER

Clyde Coleman, Montclair, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 28, 1939, Serial No. 264,595
6 Claims. (Cl. 260—800)

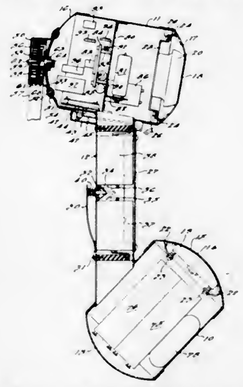
1. A process of inhibiting the deterioration of organic substances which tend to deteriorate by absorption of oxygen from the air which comprises treating the same with a compound having the general formula A—X where X is the ring nitrogen atom of a 2,5-dialkyl pyrrol group, and A is an aliphatic group containing a plurality of open-chain carbon atoms, with one carbon atom directly attached to said ring nitrogen atom.

2,276,933

RADIO APPARATUS

Cletus J. Collom, Detroit, Mich., assignor to Weltronic Corporation, Detroit, Mich., a corporation of Michigan

Application October 1, 1941, Serial No. 413,111
10 Claims. (Cl. 250—13)



1. A portable radio telephone receiving and sending unit comprising a casing, a microphone and a receiver supported by said casing and spaced and angularly positioned to be placed in simultaneous juxtaposition to the mouth and ear respectively of the operator, said casing having a handle portion by which the casing may be supported by one hand of the operator with the microphone and receiver in juxtaposed position, and a complete radio transmitting and receiving apparatus located within the casing and operatively connected to said microphone and receiver.

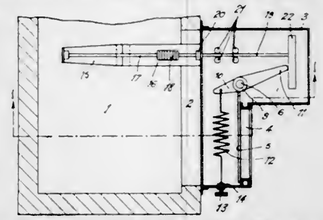
2,276,934

COMBUSTION HEATING INSTALLATION

Charles Colombi and Louis Monney, Lausanne, Switzerland, assignors to the firm Recomatic S. A., Geneva, Switzerland, a firm of Switzerland

Application June 6, 1939, Serial No. 277,728
In Switzerland June 15, 1938
4 Claims. (Cl. 236—93)

1. Draught regulator for combustion heating installation, in combination with a flue having a lateral aperture for admission of atmospheric air, of a damper mounted on the flue to more or less open said aperture under the influence of depression existing in the flue, a straight thermostatic blade disposed entirely within the flue to be directly affected by the temperature of the hot flue



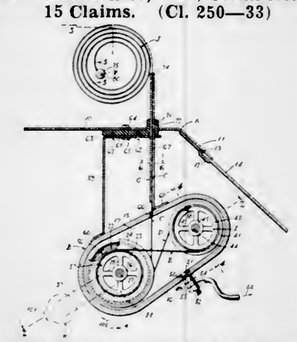
gases, a rod movable along its axis and being mechanically connected at one of its extremities to the thermostatic blade, and a movable arresting member connected to the other extremity of said rod for limiting the distance of travel of the damper in function of the flue gas temperature.

2,276,935

AERIAL DEVICE FOR AUTOMOBILES

Hugh Harold Como, Babylon, N. Y.

Application March 26, 1940, Serial No. 325,980
15 Claims. (Cl. 250—33)



1. A retractible automobile aerial construction for an automobile of the closed sheet metal body type having an opening to permit projection and retraction of the aerial, said aerial including a metal aerial tape designed to be coiled above the outside of the automobile when projected and another tape to be coiled inside of the automobile to keep said aerial tape in tightly coiled condition when retracted, said construction including drum means upon which both of said tapes are to be coiled together with the second tape being coiled on the outside of the first tape and a second drum means upon which said last mentioned tape is coiled when said first mentioned tape is projected onto the top of the automobile, both of said tapes being attached to the first drum means and the last mentioned tape being attached to the second drum means.

2,276,936

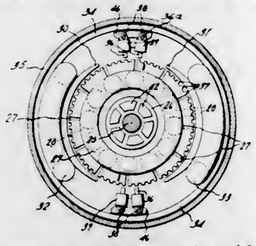
COMPOSITE ELECTRIC MOTOR

Austin G. Cooley, Hudson View Gardens, N. Y., assignor, by mesne assignments, to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,464
3 Claims. (Cl. 172—36)

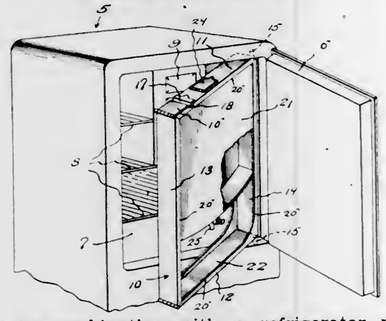
1. A rotor for a synchronous motor of the

phonic-wheel type comprising a bearing sleeve of porous metal, a pile-up of annular laminations surrounding said sleeve, a supply of lubricating medium between the internal periphery of said pile-up and the external periphery of said sleeve,



and end plates closely fitted on to said sleeve and between which said laminations are clamped, the outer periphery of said pile-up being provided with a plurality of teeth extending parallel to to the rotor axis.

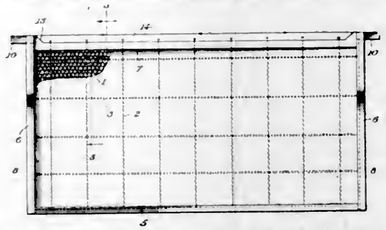
2,276,937
REFRIGERATOR
Arturo Cordova, Banes, Cuba
Application May 6, 1941, Serial No. 392,139
2 Claims. (Cl. 62—89)



1. In combination with a refrigerator provided with a food compartment and a door normally closing said compartment, a frame hinged to said refrigerator in confronting relation with said compartment and postjacent said door and operable to open position upon opening of said door, and a tank carried by said frame and movable with the latter to open position to permit free access to said compartment upon opening of said door, said frame provided with a pair of hinged members normally embracing said tank and operable to open position to effect removal of said tank from said frame.

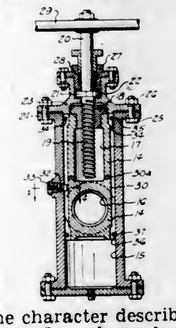
2,276,938
BEEHIVE DEVICE
William L. Culbertson, III, Worland Wyo., assignor of one-half to R. J. Read, Worland, Wyo.
Application September 30, 1940, Serial No. 359,149
2 Claims. (Cl. 6—10)

1. A beehive device comprising an elongated comb foundation including a sheet of comb material, wires embedded within the sheet and extending vertically and longitudinally thereof throughout its height and length, certain of the wires being corrugated, a frame having the foundation mounted therein and including grooved side bars and a slotted upper bar, the longitudinal wires extending beyond the side edges of the sheet and mounted in the grooves, said side bars having holes therethrough for receiving the extending ends of the longitudinal wires, the vertical wires extending beyond the upper edge of the sheet and mounted in the slot of the upper bar, substantially spherical shaped beadlike



heads formed on the upper ends of the vertical wires, said upper bar being recessed laterally along its upper edge portion and the recess having beveled ends, and a wedging strip shaped to fit the recess and secured therein to embrace the heads for securing the foundation to the frame.

2,276,939
LUBRICATED PISTON VALVE
Kenneth W. Davis, Fort Worth, Tex.
Application April 15, 1940, Serial No. 329,771
1 Claim. (Cl. 251—20)

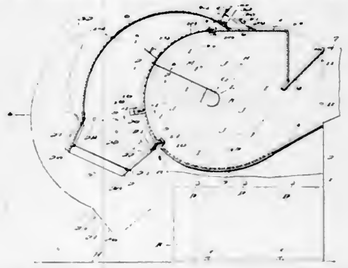


A valve of the character described including, a housing having a flow channel and a bore intersecting said channel, a piston slidable in said bore and having a passage adapted for registration with the flow channel to permit a flow therethrough, said piston having grooves in its exterior surface which establish communication between the upper and lower ends of the housing on opposite sides of the piston, and means for introducing a lubricant into the housing, whereby said lubricant enters the grooves and lubricates the exterior wall of said piston.

2,276,940
COMBINED GRINDING AND BAGGING MILL
Paul C. Dellinger and Miles L. Sensenig, Lancaster, Pa., assignor to Dellinger Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 19, 1939, Serial No. 300,264
6 Claims. (Cl. 83—11)

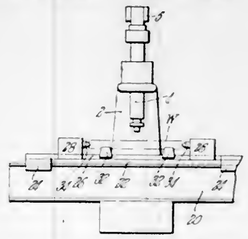
1. A combined grinding mill and bagger consisting of a main casing defining a grinding chamber, a grinding hammer rotor assembly mounted for rotation in said chamber, a feed hopper for discharging material to be ground into said grinding chamber on one side of the axis of said grinding rotor, a screen removably disposed

in the wall of said main casing on the other side of the axis of said grinding rotor, and support means carried by said main casing to engage marginal portions of said screen, in combination with a discharge casing mounted on said main casing to cover said screen, hinge means for connecting said discharge casing to said main casing, means for holding said discharge casing in operative closed position with its marginal portions in substantially dust-tight contact with



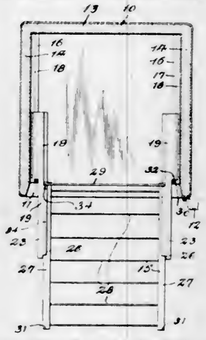
opposed portions of the main casing beyond and at all points about the marginal portions of said screen which constitutes a perforated wall common to said casings, special lugs and a transverse bar carried by said discharge casing and engaging, in the closed operative position of the latter, the radially outer face of the screen to press the latter against said support means, and a bagging attachment secured to the lower portion of said discharge casing and in communication with the lower portion of the discharge chamber therein.

2,276,941
STRAIGHTENING MACHINE
Louis E. Deloghia, Agawam, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application October 2, 1940, Serial No. 359,395
2 Claims. (Cl. 153—48)



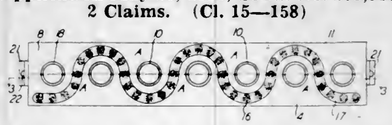
1. Apparatus of the class described comprising in combination, a support having a ram vertically reciprocable therein, a slide member guided on said support for horizontal movements therebelow, a pair of spaced blocks guided on said slide member for relative sliding movements having cavities in adjacent sides, centering devices having rear ends disposed in said cavities and forward work supporting ends, pivotal connections associated with the rear ends of the centering devices and blocks whereby the forward ends thereof may swing up and down, spring means acting on said devices urging them upwardly, and adjustable means limiting upward movements of said devices, the said pivotal connections including pivot pins in the said blocks receivable in longitudinally extending closed slots in said centering devices.

2,276,942
REFRIGERATOR SHELF CONSTRUCTION
Willis B. Dibble, Detroit, Mich.
Application March 17, 1941, Serial No. 383,846
1 Claim. (Cl. 211—143)



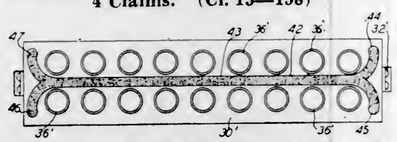
A shelf mounting for refrigerators and the like, comprising side wall rails for a storage compartment, respective slides thereon, each consisting of an inner end portion grooved on its lateral outer side to fit slidably on the respective rail, said slides being relieved on their lateral sides forwardly of the grooved portions defining shoulders and including forward portions having inner laterally extended grooved parts stopping short of the forward end forming a shoulder, a shelf longitudinally slidable in the last named grooved parts, stop means on the rails and shelf cooperable with respective shoulders to limit relative sliding movement of the slidable engaged parts, and said shelf being also provided with a rear stop member, consisting of a transverse guard element spaced above the shelf and having downturned ends set in the side members of the shelf in position to engage a shoulder of the slides when the shelf is moved to the forward limit of its movement on the slides.

2,276,943
VACUUM CLEANER FLOOR MOP
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application May 26, 1939, Serial No. 275,830
2 Claims. (Cl. 15—158)



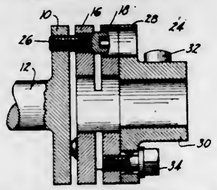
1. A suction operated floor brush comprising an elongated brush back having a plurality of suction inlets arranged in a row extending longitudinally of the back, and bristle tufts projecting beyond the plane of the mouths of said inlets and mounted in said back in a substantially continuous row forming a series of alternately oppositely facing semi-circular brush pockets each embracing one of said inlets, whereby said inlets are divided into two series, one disposed on one side and the other on the other side of said row of bristles, and whereby said bristles will sweep toward one series of inlets when the tool is moved in one direction and toward the other series of inlets when the tool is moved in the opposite direction, said suction inlets each having an opening the area of which is smaller than that of the pocket in which it is disposed.

2,276,944
VACUUM CLEANER FLOOR MOP
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application May 26, 1939, Serial No. 275,831
4 Claims. (Cl. 15—158)



1. A cleaning tool for attachment to a vacuum cleaner nozzle, comprising a back, two parallel rows of suction inlets in said back, projecting beyond the surface thereof, and a continuous row of brush bristles extending between said rows of inlets from end to end thereof and in proximity thereto, and projecting beyond the plane of the mouths of said inlets, whereby to sweep dust and dirt toward one row of inlets when the tool is moved in one direction, and toward the other row of inlets when the tool is moved in the reverse direction.

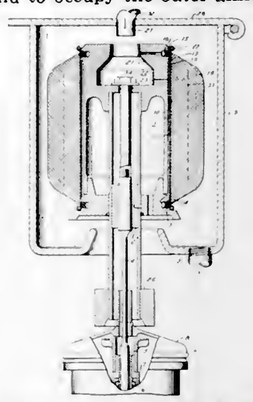
2,276,945
ADJUSTABLE HOLDING DEVICE
Donn G. Ehrich, South Bend, Ind.
Application May 20, 1940, Serial No. 336,100
7 Claims. (Cl. 279—5)



1. An adjustable holding device comprising a first plate having a substantially plane surface on one side and having on its other side means for connection to a chuck or the like, a compound plate including a plurality of flat plate parts lying parallel and spaced apart axially and connected together by a relatively thin connection of less sectional area than either of the plate parts which will transmit torque between the plate parts without transmitting distortion of one plate part to the other, adjustable means connecting one of the plate parts to the plane surface of the first plate to adjust the angle therebetween, and a third plate shiftably connected to another plate part.

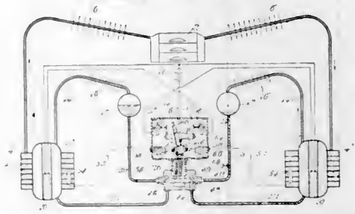
2,276,946
CENTRIFUGAL WASHING CHUCK
Harry D. Else, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1939, Serial No. 306,765
4 Claims. (Cl. 68—205)

1. A high-speed washing-chuck comprising a hub adapted to be mounted on the upper end of a vertical high-speed shaft, a hollow cylindrical member joined to the hub and having a substantially smooth cylindrical outer surface, a radially thin, annular bobbin-supporting means at each end of said smooth cylindrical outer surface for making a tight, removable joint to the inside of a perforated tubular bobbin adapted to carry a wound package of material to be washed, whereby there will be only a slight radial spacing between said cylindrical outer surface of the chuck and the inner surface of said perforated tubular bobbin, said hollow cylindrical member having a central entrance-opening at its top end, said central entrance-opening having its top end open to receive a washing-liquid, and also having a flared portion whereby its open top end is of a smaller diameter than its lower end and whereby the washing-liquid is constrained, by centrifugal force, to follow the flaring wall of the flared portion and to occupy the outer annular portion



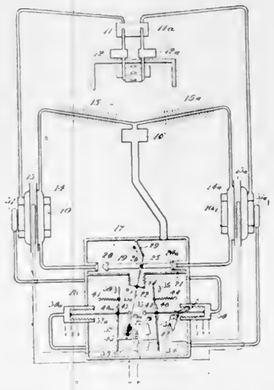
of the said lower, enlarged end of said entrance-opening, and a smooth annular chamber communicating with the lower, large end of said central entrance-opening, said annular chamber being substantially unrestricted in a circumferential direction so that the washing-liquid is free to flow circumferentially around the radially outward portion of said annular chamber, and one or more openings communicating between said annular chamber and said cylindrical outer surface.

2,276,947
REFRIGERATING APPARATUS
Nils Erland af Kleen, Stockholm, Sweden
Application May 9, 1939, Serial No. 272,599½
In Sweden October 1, 1938
5 Claims. (Cl. 62—5)



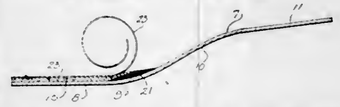
1. A refrigerator of the type described, comprising a plurality of intermittently functioning units, each unit including a boiler absorber, a condenser, and an evaporator coupled together to form a primary circuit for a refrigerant, means for supplying heat to the boiler absorber of each unit, a plurality of members forming secondary circuit means for a cooling medium to cool the boiler absorber of each unit, said plurality of members including separate elements in heat exchanging relationship with respective boiler absorbers, condensing means, condensate collecting means, and pipe connections coupling said plurality of members together, said condensate collecting means being arranged at a higher level than said separate elements, valve means for controlling the circulation of the cooling medium to respective units, said valve means being interposed between said condensate collecting means and said separate elements so that a portion of the liquid cooling medium in said secondary circuit means is stored in said collecting means when the circulation of cooling medium to one unit is stopped by the closure of said valve means, and a common switching device controlling the supply of heat to respective boiler absorbers and selectively actuating said valve means to control the circulation of cooling medium to respective units, said switching device being operable to stop the circulation of cooling medium to each unit at the same time as it starts the supply of heat to the boiler absorber of that unit.

2,276,948
ABSORPTION REFRIGERATING APPARATUS
Nils Erland af Kleen, Stockholm, Sweden
Application July 2, 1940, Serial No. 343,520
8 Claims. (Cl. 62—5)



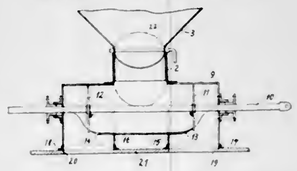
1. In absorption refrigerating apparatus of the class described including two units operating alternately and intermittently in the absorption and expulsion phases, respectively, each unit having a boiler absorber, means for heating the boiler absorber of each unit for the expulsion phase operation thereof, means for cooling the boiler absorber of each unit for the absorption phase operation thereof, valve means for controlling said cooling means, a changing-over device movable between two operating positions for selectively connecting and disconnecting said heating means and respectively closing and opening said valve means to control the operation of said units from one phase to the other, and separate elements responsive to the temperature of respective boiler absorbers for selectively actuating said changing-over device to its two operating positions; mechanism for effecting heat exchange between said boiler absorbers during the operation of said changing-over device, comprising a pair of members movable into and out of the path of movement of said changing-over device intermediate the two operating positions of the latter for respectively arresting and releasing said changing-over device during its movement from one operating position to the other, and means operatively connecting said members to said temperature responsive elements for controlling the movement of said members.

2,276,949
SHOE
Joseph H. Everston, Milwaukee, Wis.
Application March 25, 1940, Serial No. 325,765
8 Claims. (Cl. 36—71)



1. The combination with an insole provided with a forward portion and an upwardly inclined shank portion, of a cushion provided with means marginally connecting it with the forward insole portion, said means being so disposed in spaced relation to the rear margin of the cushion as to provide a pocket adjacent the shank portion of the insole and a metatarsal pad releasably positioned in said pocket and lapping said cushion and the shank portion of the insole whereby to be positioned in said pocket.

2,276,950
DEVICE FOR DUSTLESS TRANSFERRING OF POWDERY SUBSTANCES
Leopold Faller, Cologne-on-the-Rhine, Germany
Application May 3, 1939, Serial No. 271,597
In Germany August 3, 1938
2 Claims. (Cl. 221—142)

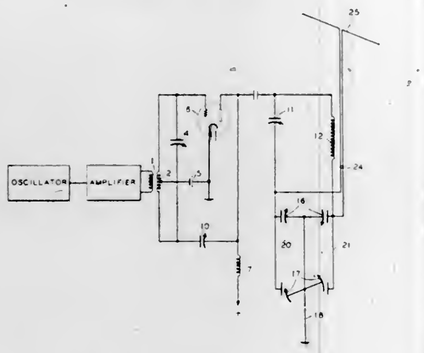


1. A transferring device of the character described comprising a base, a casing mounted upon said base, the base being formed with openings, said casing having its end portions provided with outlets spaced from each other longitudinally thereof and communicating with the openings of the base, an inlet neck rising from said casing between the outlets, a container communicating with said neck, a rod extending longitudinally through the casing over its outlets and slidably passing through ends of the casing for reciprocating movement, and agitators carried by the rod within the casing over the outlets, said agitators being engageable with ends of the casing to limit reciprocating movement of the rod and being adjustable along the rod to set positions for controlling the extent of the reciprocating movement.

2,276,951
CHLORINATED POLYISOBUTYLENE AND PROCESS OF MAKING THE SAME
Harold W. Fisher, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 25, 1939, Serial No. 258,457
2 Claims. (Cl. 204—163)

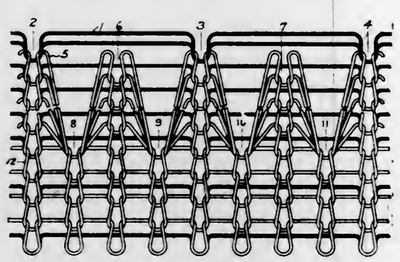
1. An article composed of polymerized isobutylene characterized by a molecular weight above 30,000, having a surface coating thereon of chlorinated poly-isobutylene characterized by a hardened, non-sticky surface, a percentage content within the range of 20% to 50% by weight of chlorine and a substantial thickness of less than about $\frac{1}{100}$ inch.

2,276,952
WAVE TRANSMISSION SYSTEM
Lawrence W. Franklin, Hasbrouck Heights, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application November 4, 1938, Serial No. 238,737
8 Claims. (Cl. 250—17)



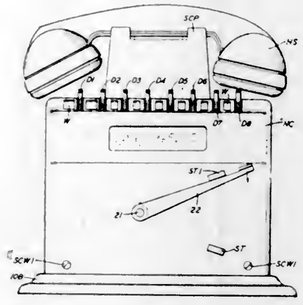
1. In a radio transmitter, a radio frequency amplifier having a single wire output, a doublet antenna, a two wire transmission line connected thereto, an inductance connected between said single wire and one wire of said transmission line, a condenser connected between said single wire and the other wire of said transmission line, a split-stator condenser connected across said transmission line and a second split-stator condenser connected across said transmission line, one section of said second condenser being 180 degrees out of phase with the other section, the rotors of both condensers being grounded.

2,276,953
KNITTED FABRIC AND METHOD
Oscar Fregeolle and Isaac H. C. Green, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application August 21, 1940, Serial No. 353,548
12 Claims. (Cl. 66—172)
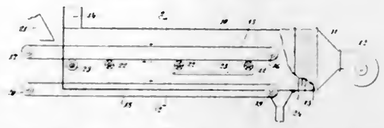


3. A selvage for a knitted fabric having in combination elastic and non-elastic yarns, the non-elastic yarn being knitted at every fourth wale and being tucked at at least some of the wales intermediate said fourth wales, the elastic yarn being inlaid to be held at the said fourth wales only in the initial course and constituting the only yarn preventing raveling of the fabric.

2,276,954
CALL TRANSMITTER
Morris Fritts, Orange, and Frederick A. Voos, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 13, 1939, Serial No. 308,941
3 Claims. (Cl. 179—90)



3. In a call transmitter, a plurality of manually operable members, adjustable camming elements set by the operation of said members, a shaft rotatable in two directions, a pulsing mechanism actuated by said shaft, means to render the operation of said shaft ineffective relative to said mechanism when said shaft is rotating in one of said directions, a lever member carried by said shaft, a two-way movable pawl pivoted at the free end of said lever, a contact carried by said lever disposed for operation by the movement of said pawl one way, a motor spring and a handle for rotating said shaft in said ineffective direction for tensioning said spring and moving said pawl ineffectively relative to said contact, said spring operating said shaft in the other direction for engaging said pawl with the camming elements set by said manually operable members for operating said pawl the other way to cause the operation of said contact for negativing predetermined operations of said pulsing mechanism.

2,276,955
DRIER
Orville Gano, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J., a corporation of Idaho
Application January 11, 1939, Serial No. 250,258
8 Claims. (Cl. 34—208)



3. Drying mechanism for use in drying sticky substances such as cooked riced potato and the like comprising a drying chamber, means to exert a drying action in the chamber, an endless conveyor in the chamber formed of a material having a specific heat sufficiently low to cause the substance to adhere thereto during drying, spaced elements extending across the underside of the lower length of the conveyor to support said lower length in a manner preventing substantial injury to the substance on the said underside, means at one end of the chamber to introduce the said substance onto the conveyor at one end thereof, means to remove the substance from the underside of the conveyor at the said one end thereof, discharge means at the opposite end of the chamber, and a second conveyor in the chamber beneath the first conveyor to receive substance removed therefrom and carry it to the discharge means.

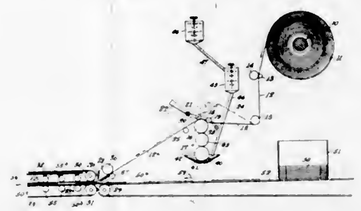
2,276,956
LUBRICATING PRODUCT
Anthony H. Gleason, Westfield, N. J., and William J. Sparks, Peoria, Ill., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 22, 1940, Serial No. 341,958
9 Claims. (Cl. 252—54)

1. A lubricating composition comprising a lubricating hydrocarbon oil blended with a minor proportion of a chemically combined addition product of a high molecular weight unsaturated polymeric hydrocarbon and an alkyl hypochlorite.

2,276,957
PROCESS OF MANUFACTURING CYCLO-HEXYL-AMINO DIPHENYLAMINE
Willis A. Gibbons, Montclair, and Frederick M. Lewis, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 10, 1941, Serial No. 392,938
6 Claims. (Cl. 260—576)

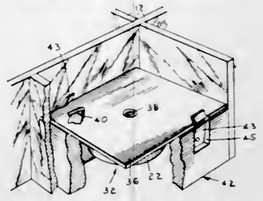
1. A method of preparing a cyclo-hexyl-amino diphenylamine which comprises catalytically reducing an N,N'-diphenyl phenylene diamine with hydrogen gas.

2,276,958
TAPING MACHINE FOR THE MANUFACTURE OF CORRUGATED BOXES
Albert J. Goldsmith, Kew Gardens, N. Y.
Application May 3, 1940, Serial No. 333,198
1 Claim. (Cl. 93—56)



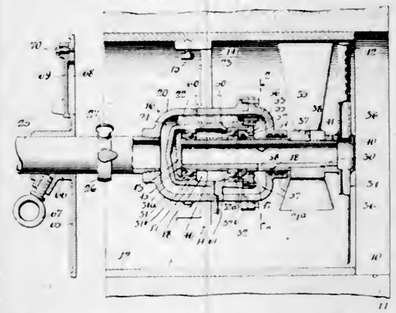
In a machine for uniting a pair of contiguous free ends of a corrugated box in collapsed condition by means of a tape; means for continuously feeding from a tape roll said tape to said free ends of said box, a pressure device including a receptacle containing an adhesive in a warm state, swingable pressure rollers engageable with said device and oppositely positioned thereto, said pressure rollers being adapted to selectively engage said tape at said pressure device whereby said adhesive may be applied to a face of said tape, means for smoothing said adhesive on said tape and for forwardly moving a portion of said tape provided with said adhesive to said ends for deposit thereon, and knife means for severing said portion from the remainder of said tape.

2,276,959
DISPENSING AND DISPLAYING MEANS FOR NARROW FABRICS
Bertram J. Goldsmith, Neshanic, N. J.
Original application August 20, 1937, Serial No. 160,039. Divided and this application April 24, 1939, Serial No. 269,731
3 Claims. (Cl. 206—77)



1. Means for displaying ribbons or other narrow fabrics comprising a container for such fabric having a quantity of the fabric disposed therein, said container comprising a spool for carrying said fabric, said spool having at least one non-circular flange adapted to engage the vertical walls of a counter cell when said container is disposed therein with said flange in horizontal position above the fabric on the spool, and a core on which the fabric is wound, said core being rotatable in relation to said flange, whereby the fabric may be unwound while said flange remains stationary in wall engaging position, said flange being formed to provide a passage for the ribbon from the spool below said flange thereof to the space in said cell above the flange when said container is in the cell.

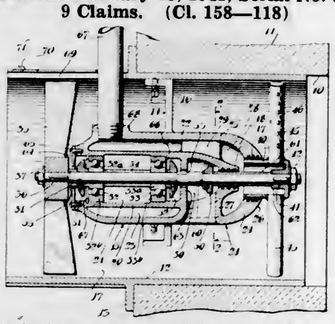
2,276,960
BURNER
David P. Graham, Flushing, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York
Application February 18, 1941, Serial No. 379,421
10 Claims. (Cl. 158—118)



1. A burner comprising a stationary supporting hub having a central bearing chamber, a shaft rotatably mounted in said bearing chamber, an air fan to supply air for combustion mounted on said shaft, a reaction rotor driven by the fuel for combustion mounted on said shaft to drive said shaft and said fan, said reaction rotor including a hollow hub member and reaction arms having passages communicating therewith and apertures forming reaction jets, a fuel passage rotating with said hollow hub member and communicating therewith to supply fuel to said rotor for driving the same, and a stationary fuel supply conduit communicating with said rotating fuel passage at a point between said

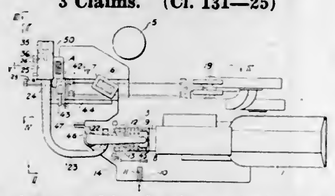
bearing chamber and said reaction rotor, said conduit being constructed and arranged to avoid flow of fuel through said bearing chamber.

2,276,961
BURNER
David P. Graham, Flushing, N. Y., and Robert C. Vroom, Montclair, N. J., assignors to Peabody Engineering Corporation, New York, N. Y., a corporation of New York
Application February 18, 1941, Serial No. 379,422
9 Claims. (Cl. 158—118)



1. A fuel burner comprising a hollow stationary hub having a bearing chamber therein, an annular fuel supply chamber coaxial with said bearing chamber and spaced axially therefrom to provide an air space therebetween, a shaft journalled in said bearing chamber and extending through said fuel supply chamber, an air fan to supply air for combustion mounted on said shaft, a reaction rotor driven by the fuel for combustion mounted on said shaft to drive said shaft and said fan, said reaction rotor including a hollow hub member and reaction arms having passages communicating therewith and apertures forming reaction jets, and means to supply fuel from said annular fuel supply chamber to said reaction rotor, said air space preventing the building up of pressure in excess of that in the bearing chamber and thereby eliminating the tendency for leakage fuel to flow into said bearing chamber.

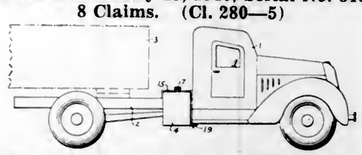
2,276,962
CIGAR MACHINE
Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden
Application June 24, 1939, Serial No. 281,040
In Germany June 25, 1938
3 Claims. (Cl. 131—25)



1. A cigar machine having a device for rolling a tobacco filler into a wrapper, means forming a suction channel, means for delivering the finished product to said channel, means for creating suction in said channel, a closure device for discharging said product from said channel, a valve in said channel between said suction-creating means and said closure device, and automatic [redacted]

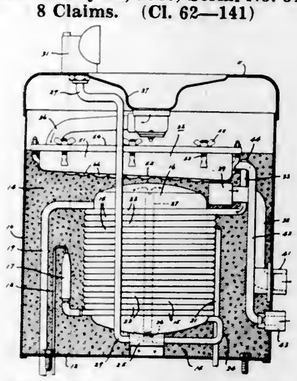
mechanical means to first operate said delivery means and open said valve and thereafter to shut said valve and open said closure device.

2,276,963
FUEL TANK
James F. Griffin, Dallas, Tex.
Application February 13, 1940, Serial No. 318,754
8 Claims. (Cl. 280—5)



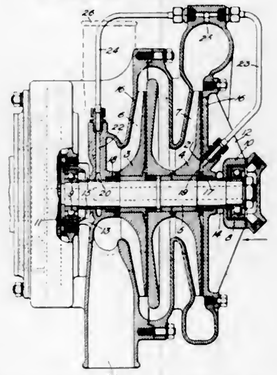
1. In a motor vehicle, the combination with a chassis frame having opposed channel bars, a fuel tank mounted on the chassis frame, tie rods extending transversely over the fuel tank substantially parallel with the channel bars, and cross bars secured to the tie rods and extending transversely between the channel bars with the ends of said cross bars engaging under flanges of the channel bars for anchoring the receptacle in place thereon.

2,276,964
REFRIGERATING APPARATUS
Vernet I. Grove, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1940, Serial No. 348,699
8 Claims. (Cl. 62—141)



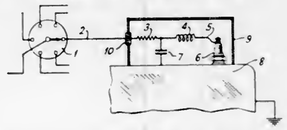
1. An apparatus for cooling drinking water comprising in combination, a cooling chamber and means for conveying water thereto to be cooled, means for cooling the water delivered to said cooling chamber, means for delivering the cooled water to a place of use, said first named means including a precooler, said precooler comprising a pan having an inclined bottom wall and a pipe disposed thereupon, said pipe being bent into a serpentine form with the portions thereof intermediate its bends extending across the pan transversely of the direction of inclination of the pan bottom, means for admitting cooled waste water to said pan at the top of the inclination of the pan bottom wall, and said pipe and said pan being so constructed and arranged with respect to one another as to direct the waste water back and forth across said pan and in contact with the intermediate portions of said pipe during flow thereof down the inclined bottom pan wall for lowering the temperature of water to be cooled by said second named means.

2,276,965
COMPRESSOR
George Frederic Halliday, Kingswood, Bristol, England, assignor to Aero Engines Limited, Kingswood, Bristol, England
Application February 10, 1940, Serial No. 318,347
In Great Britain February 11, 1939
2 Claims. (Cl. 230—132)



1. A compressor comprising a body having a chamber provided with an inlet and an outlet, bearing means carried by said body, a shaft mounted in said bearing means, a rotor mounted on said shaft within said chamber, said body having a portion around said shaft between the chamber and the bearing, said body having a space therein between the chamber and such means, means connecting such space to the outlet, said space being otherwise closed to the atmosphere, said compressor having a space around said shaft between such portion and the bearing communicating with the atmosphere.

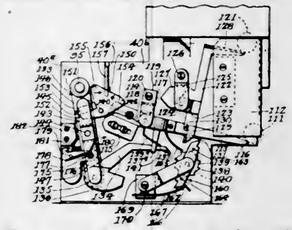
2,276,966
GASOLINE ENGINE IGNITION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 20, 1940, Serial No. 357,537
10 Claims. (Cl. 123—148)



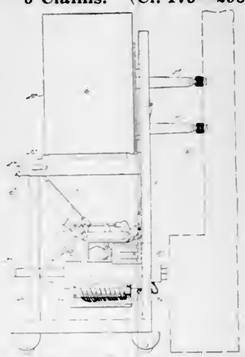
1. An ignition system for a gas engine comprising a source of high potential, a spark plug, a lumped resistance located between said source and the high potential electrode of said spark plug, a lumped condenser connecting that terminal of the resistance nearest the spark plug to the other electrode of said spark plug, and a shield surrounding said resistance, condenser and spark plug.

2,276,967
COIN-CONTROL MECHANISM FOR DISPENSING MACHINES
William Andrew Harris, Greenville, S. C.
Application March 23, 1939, Serial No. 263,759
8 Claims. (Cl. 194—48)

8. A coin-controlled mechanism for vending machines providing with an operating element to release articles comprising means normally locking the operating element of the vending machine against actuation, a frame, a coin chute, a lever pivoted on the frame and having a free end projecting into the chute, said chute adapted to direct a coin onto the free end of the lever for lowering the same, said lever having means engageable with the locking means when the free end of the lever is lowered for moving said locking means to an inoperative position, means retaining the lever in lowered position, means causing the free end of the lever to be returned to a raised and inoperative position, means carried by the retaining means and projecting into the chute for holding a second coin prematurely inserted into the chute in an inoperative position until the lever has been released, and means actuated by the operating element for moving the retaining means to an inoperative position to release the lever and second coin retaining means so that the lever will again be lowered when the second coin is discharged upon the lever and release locking means.

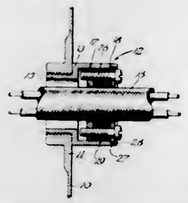


2,276,968
SWITCHGEAR
Benjamin I. Hayford, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1940, Serial No. 319,886
5 Claims. (Cl. 175—298)



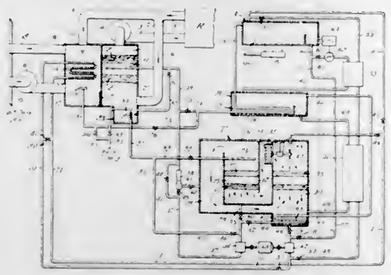
1. The combination with a stationary cell and a breaker unit movable from an operating position in the cell to a test position, of a secondary disconnecting device comprising a stationary portion mounted in the cell and a movable portion carried by the breaker unit, means carried by the breaker unit for actuating the movable portion of the secondary disconnecting device when the breaker unit is in the test position, said actuating means being operable from in front of the breaker unit, and means on the breaker unit for preventing movement of the disconnecting device when the breaker unit is in the operating position.

2,276,969
SERVICE ENTRANCE CABLE CONNECTOR
Harry H. Heinichen, Chicago, Ill.
Application June 22, 1939, Serial No. 280,485
2 Claims. (Cl. 285—6.5)



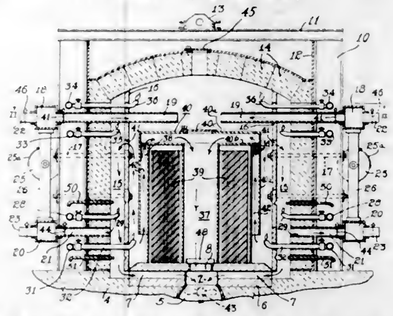
1. A service entrance cable connector comprising, in combination, a hollow casing having an open outer face, and a connector assembly mounted in said casing adjoining and traversing said open face, said assembly having a central opening therein to receive a cable and permit it to extend through said casing and including inner and outer compression members, an intermediate distortable member, and screw means extending through said outer and intermediate members and engaged with said inner member, said casing having an internal rabbeted groove at the open outer face end thereof, said outer member being larger than the other of said members to engage said groove, and said casing being distorted over the outer margin of said outer member to secure said assembly for rotation and against axial movement relative to said casing.

2,276,970
AIR CONDITIONING SYSTEM
Frederick Hyde Hibberd, Harrison, N. Y.
Application April 23, 1940, Serial No. 331,101
12 Claims. (Cl. 257—9)



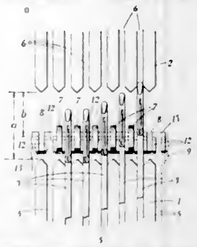
1. In an air conditioning system, in combination, means for cooling and dehumidifying the air comprising a contact means, a radiator, means for circulating air under treatment through said contact means, means for circulating a liquid through said contact means in contact with the treated air, means including a heated evaporator for transferring heat from said liquid to said radiator, and means for circulating outdoor air in heat exchanging relation with said radiator, means for heating and humidifying the air passing through said contact means comprising means for circulating said liquid through said contact means independently of said heat transfer means, means for transferring heat from said evaporator to said radiator and means for circulating air under treatment successively in heat exchanging relation with said radiator and through said contact means.

2,276,971
ANNEALING FURNACE
Clarence B. Hoak, Steubenville, Ohio
Application September 8, 1941, Serial No. 410,014
12 Claims. (Cl. 263—43)



5. Annealing apparatus comprising a chamber, heat-radiating walls within the chamber and having their front sides exposed to the work-receiving space, passageways formed at the rear sides of the said walls and having communication with the said space, through openings at the upper portions of said walls, means for supplying burner flames at the front sides of said walls, means for supplying burner flames to the rear sides of the walls, and means for producing a down-draft in the said passageways, the said openings being in approximately vertical alignment with the first-named burners.

2,276,972
CIRCULAR KNITTING MACHINE OF THE DOUBLE AXIALLY OPPOSED NEEDLE CYLINDER TYPE
Henry Harold Holmes, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company
Application November 25, 1940, Serial No. 367,120
In Great Britain October 7, 1939
6 Claims. (Cl. 66—14)



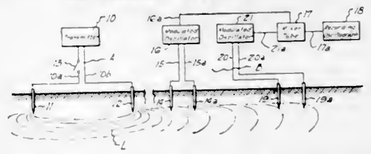
1. In a circular knitting machine, in combination, a bottom cylinder formed with slots for reception of needles, a superimposed top cylinder which is similarly formed with needle-receiving slots and is arranged with its lower end spaced apart from the opposing end of said bottom cylinder, needles in said slots, a circular series of arcuate shaped inside holding-down sinkers, and a ring having therein at its inner face arcuate grooves for accommodation of said sinkers, the upper portion of said ring at its outer face having formed around it a protuberant bead through which the aforesaid arcuate grooves are continued and which is tricked at intervals so as to form on and integrally with the sinker ring projecting needle guides between which are vertical needle-receiving tricks extending in alignment with corresponding needle slots in the superimposed cylinders, said guides being located in the space between the opposing ends of the cylinders and thereby adapted to afford lateral support for the needles when advanced beyond the end of either of said cylinders, for the purposes herein specified.

2,276,973
INSULATED ELECTRIC HEATER AND METHOD OF MAKING THE SAME
Homer D. Holler, Export, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1939, Serial No. 295,053
7 Claims. (Cl. 201—64)



3. An insulated electric heater comprising in combination, a resistor wire and a coating of insulating material disposed thereon, said coating comprising a hard, dense, non-corrosive material having a high electrical resistivity and comprising an intimate and homogeneous mixture of magnesium oxide and magnesium borate as essential binding elements thereof.

2,276,974
METHOD OF AND MEANS FOR DETERMINING THE VELOCITY OF PROPAGATION OF WAVES THROUGH SUBSURFACE FORMATIONS
Gerald M. Howard, Dallas, Tex.
Application June 14, 1940, Serial No. 340,502
14 Claims. (Cl. 175—182)

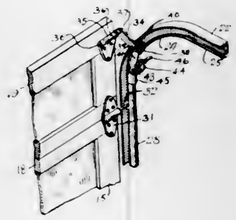


1. The method of determining the velocity of propagation of electrical or seismic waves through a sub-surface formation which includes, utilizing the waves for varying the frequencies of devices generating electrical oscillations, and then comparing the variations in the frequencies of said devices to ascertain the differences therebetween and thereby determine the velocity of propagation of the waves through the formation.

2,276,975
VULCANIZATION ACCELERATOR
Louis H. Howland, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 9, 1938,
Serial No. 212,699
5 Claims. (Cl. 260—784)

4. A process of producing vulcanized rubber products which comprises incorporating in rubber prior to vulcanization thereof, a compound having a parent nucleus composed of one nitrogen atom joined to itself by a series of at least five and not more than six ring carbon atoms, all of the said carbon atoms being members of but one ring system, and having a ring carbon atom adjacent the nitrogen joined to a non-nuclear sulphur atom.

2,276,976
OVERHEAD DOOR GUIDING MEANS
Edward N. Howell, Overbrook Hills, and Frank Boylan, Philadelphia, Pa.; said Boylan assignor to said Howell
Application May 5, 1941, Serial No. 391,948
4 Claims. (Cl. 20—20)

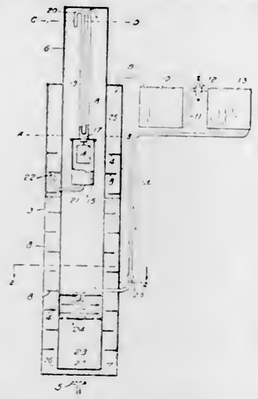


1. A guiding means for the uppermost panel of a hinged, sectional, overhead door, which door is mounted with rollers on side tracks, to travel thereon, where said tracks are of L-formation, with upright and substantially horizontal portions, said guiding means comprising, a support fixed to the said uppermost panel, in spaced relation with the bottom, hinged line of said panel, a fulcrum element engaging said track in the path of said door rollers, an arm pivoted at one of its ends to said support, and connected at its other end with said fulcrum element, forming between the ends of said arm, a positive strut for said uppermost panel, relative to said track, when said door is closed, and said uppermost panel stands upright, a second arm pivotally connected at one of its ends with the fulcrum, element end, of said first mentioned arm, a second track engaging element at the opposite end of said second arm, a stop means on said arms, near said fulcrum element, in spaced relation with the pivotal connection of said arms, with one another, for limiting the rotation of said arms, relative to one another, in one direction, to form a cantilever support for said uppermost panel, when the latter is in a horizontal position, on a horizontal portion of said track, and a second stop fixed to said track, in position to be in the path of said second track engaging element, as said panel becomes upright, upon the closing of said door.

2,276,977
ABSORPTION REFRIGERATION SYSTEM
James W. Huffman, Forth Worth, Tex.
Application September 19, 1939, Serial No. 295,557
14 Claims. (Cl. 62—5)

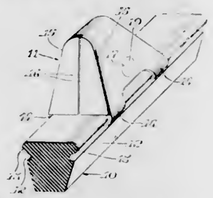
1. In an ammonia absorption refrigerating system, a generator, an absorber extending downwardly in said generator, a concentration responsive valve in said absorber adjacent its lower end and adapted to permit liquor of a predetermined concentration to flow thereinto from the lower part of said generator, means for heating the contents of said generator, a float chamber within said absorber, a float valve in said chamber, means for permitting liquor from the upper part of said absorber to flow into said chamber when said float valve is open, a conduit from said chamber to said generator whereby liquor is expelled from said chamber into said generator in response to increases of pressure within said chamber, means leading from the

upper part of said generator for conducting ammonia gas to a point of use for refrigeration



purposes, and means for returning spent ammonia gas into the lower part of said absorber.

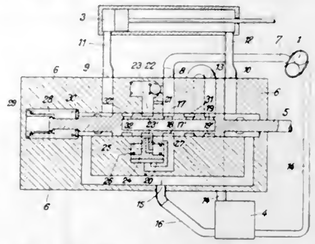
2,276,978
CONVEYER
Benjamin M. Hyman and Elof Karlsson, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 27, 1940, Serial No. 342,789
8 Claims. (Cl. 198—176)



1. A belt for a conveyer having a first side, second and third sides extending in spaced relation from the first side and adapted to engage a pulley, and grooves formed in the second and third sides above the pulley-engaging portions of said second and third sides.

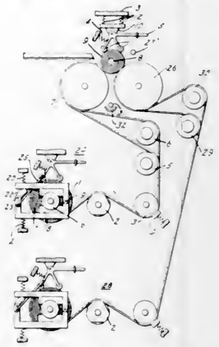
2,276,979
APPARATUS FOR LOCKING CONTROL PLUNGERS IN SLIDE VALVE CONTROL DEVICES
Hermann Jacobi, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application September 6, 1940, Serial No. 355,703
In Germany December 1, 1938
7 Claims. (Cl. 137—139)

1. In a slide valve control device having a double-acting locking plunger, said locking plunger being movable into and out of locking relationship with a slidable control element by a pressure fluid, compression chambers on opposite sides of said plunger, said opposed compression chambers being separately connected with said pressure fluid, throttling means between said pressure fluid and one of said compression chambers effective upon appropriate movement of said slidable element to produce a difference in pressure of pressure fluid in the two compression



chambers for moving said locking plunger into locking relationship with said device.

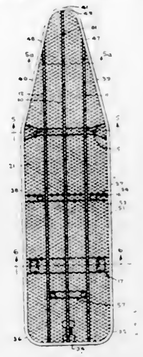
2,276,980
CONDENSER BUSHING WINDING MACHINE
William H. Jacobi, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1939, Serial No. 258,558
12 Claims. (Cl. 242—75)



1. In a machine for uniformly winding a plurality of sheets onto a single spindle, comprising, in combination, a spindle, supply means for furnishing two sheets to be wrapped around said spindle to form a single roll, a means for continuously applying a force to a small area along the length of the outermost sheet layer of said roll as it is being wound to effect tight wrapping thereof, a means responsive to an increase in the diameter of the roll for distributing said force into a plurality of smaller components which are applied to a plurality of small arcs along different lines on said outermost sheet layer.

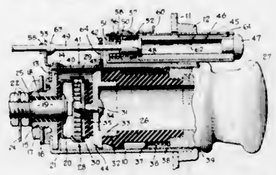
2,276,981
VENTILATING METAL IRONING TABLE TOP
Edward T. John, Minneapolis, Minn., assignor to The J. R. Clark Company, Minneapolis, Minn., a corporation of Minnesota
Application March 8, 1941, Serial No. 382,359
4 Claims. (Cl. 38—137)

4. An ironing table top, comprising a framework formed of longitudinal and transverse members and a peripheral frame member united with the longitudinal and transverse members, and a surface member consisting of a single sheet of flat expanded metal resting upon the longitudinal frame member and having edges thereof secured to the peripheral member, said expanded metal comprising elongated diamond-shaped



openings with the long dimension of the diamonds extending transversely of the table top.

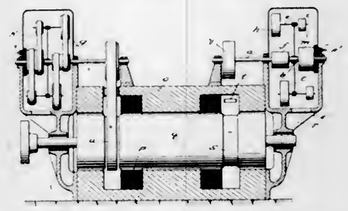
2,276,982
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 15, 1938, Serial No. 235,145
12 Claims. (Cl. 219—32)



3. An electric cigar lighter having a holding device and an igniting unit mounted on the holding device for complete removal for use; a heating element carried by said igniting unit; means for normally urging said igniting unit into an open-circuit position; manually operable means for moving said igniting unit to a position closing a circuit to said heating element; timing means, manually operable independent of said circuit-closing means, for indicating a predetermined period of time within which said heating element will reach a useful temperature after the igniting unit has been moved to closed-circuit position, independently of the heat generated by said heating element; and means rendered operative upon manually operation of the timing means for holding the igniting unit in closed-circuit position and automatically rendered inoperative by the same upon the expiration of the said predetermined period of time.

2,276,983
ELECTRIC CURRENT TRANSMISSION MECHANISM
Julius Jonas, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application October 4, 1940, Serial No. 359,787
In Switzerland September 30, 1939
12 Claims. (Cl. 171—322)

1. Apparatus for conducting electrical current comprising a current source, a rotating electrically conductive cylindrical member electrically connected to said current source, a stationary electrically conductive cylindrical member coaxial with said rotating member, a rigid member pivoted about the common axis of said rotating and stationary members, a plurality of rotatable electrically conductive cylindrical members carried by said rigid member on an axis spaced apart from but parallel to said common axis,

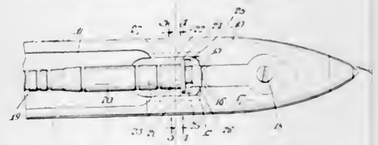


said last named rotatable members being electrically and mechanically connected to rotate together, a flexible electrically conductive belt connecting the first named rotating member with one of said last named rotatable members, a flexible electrically conductive belt connecting said stationary member with another of said rotatable members, and a stationary contact member electrically connected to said stationary member.

2,276,984
MANUFACTURE OF THIN BOILING STARCHES
Hans O. Kauffmann, Eggertsville, Paul H. Margulies, Kenmore, and Joseph R. Ryan, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application April 23, 1941, Serial No. 389,930
2 Claims. (Cl. 127—33)

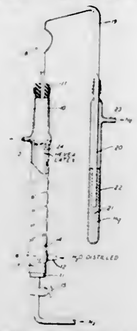
1. A method of preparing thin boiling starch from raw starch which comprises treating the raw starch with a peroxide at a temperature below the gel point of the starch in the presence of an amount not more than 0.1% of an oxidation stimulant selected from the group consisting of metallic copper, copper compounds, metallic manganese and manganese compounds whereby the action of the peroxide on the starch is catalyzed but the peroxide is not decomposed rapidly.

2,276,985
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 24, 1940, Serial No. 342,014
4 Claims. (Cl. 139—208)



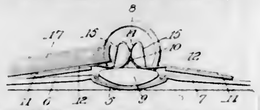
4. In a loom shuttle in which a flanged bobbin is supported in normal operative position, the means for holding the bobbin against longitudinal movement within the shuttle comprising a rubber block member fixedly positioned in the shuttle body and having an internal recess in which the flange of the bobbin is seated in its operative position.

2,276,986
LATEX
Archie R. Kemp, Westwood, N. J., and William G. Straitiff, Kew Gardens, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1939, Serial No. 294,102
6 Claims. (Cl. 260—821)



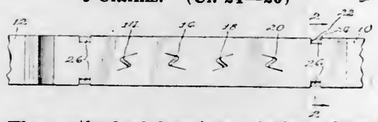
1. The method of producing an improved latex which comprises removing salts from a natural latex until the natural ash content does not exceed .15 per cent of the total solids of said latex and reducing the pH of the latex to below about 3.5.

2,276,987
SHEET-LIFTING DEVICE FOR LOOSE-LEAF BINDERS
Raymond J. Kengott, Chicago, Ill.
Application November 20, 1940, Serial No. 366,492
5 Claims. (Cl. 129—4)



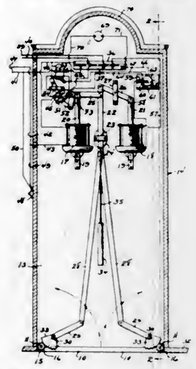
1. A sheet-lifting device for use in a loose-leaf ring binder, comprising: a longitudinal strip of thin stiff material adapted to lie between the leaves and one cover of the binder, said strip having a pair of inwardly extending supports and each of said supports being slotted longitudinally to make a lost-motion connection with one of the rings, the inner end of said support being curled back on itself within the ring on a large radius to provide an abutment for the inner end of the leaves when the binder is closed.

2,276,988
SLEEVELESS STRAP JOINT
John W. Leslie, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application September 7, 1940, Serial No. 355,730
6 Claims. (Cl. 24—20)



4. The method of forming a locked sleeveless strap joint in overlapped portions of metal strap which comprises cutting and deforming said overlapped portions to provide registering interengaging elements in each strap portion, slipping said strap portions relative to each other under tension to interengage said elements, and finally providing mutually abutting shoulders between said strap portion with the plane of abutment of said shoulders being substantially normal to the strap axis to prevent reverse slipping of said overlapped strap portions, the formation of said mutually abutting shoulders being accomplished after the said slipping operation.

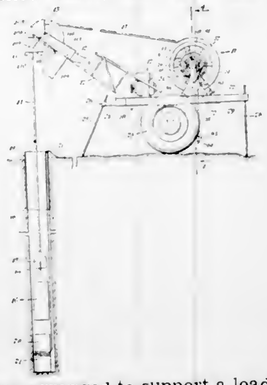
2,276,989
ELECTRICALLY CONTROLLED DOOR
Joseph A. Levesque, Fall River, Mass.
Application April 8, 1941, Serial No. 387,503
3 Claims. (Cl. 268—11)



1. In electrically controlled fire house doors, a hinged trap door, a pair of solenoids having cores, means connected to the cores and to the door for opening the door when one solenoid is energized and closing the door when the other solenoid is energized, a pair of mercury switches, means connecting both switches to the core of the door opening solenoid to be actuated as a unit by the core, one of said switches being normally closed and the other being normally open, a fire alarm circuit including a manual switch, the door opening solenoid and the normally closed mercury switch, a current supply circuit connected to the fire alarm circuit, a circuit connected to the supply circuit and including the normally open mercury switch, a motor in the last named circuit, a time switch actuated by the motor, and a circuit connected to the supply circuit and including the time switch and the door closing solenoid, energizing of the door opening solenoid by closing of the fire alarm circuit reversing the inclination of both mercury switches to open the normally closed mercury switch and simultaneously close the normally open mercury switch for energizing the motor to actuate the time switch for energizing the door closing solenoid to close the door and simultaneously reset the core of the door opening solenoid and both mercury switches for the next operation.

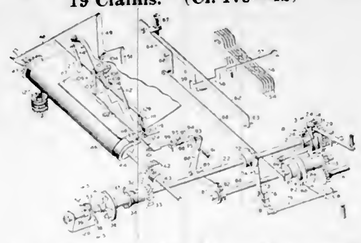
2,276,990
POWDER LOADING MACHINE
Albert I. Long, Ajo, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application December 19, 1940, Serial No. 370,743
8 Claims. (Cl. 214—95)

1. Apparatus for loading explosives into drill holes and the like which comprises a carriage having a boom arranged to be supported with its end over a drill hole, a hoisting drum mounted on said carriage and means for operating said drum, a hollow cable arranged to be wound on said drum, fluid operated coupling means secured to said hollow cable, said cable and coupling



means being arranged to support a load of explosives, and means for increasing the fluid pressure within said cable to operate said coupling means for releasing the load of explosives.

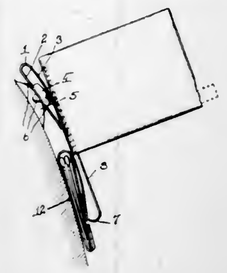
2,276,991
TELEGRAPH APPARATUS
James W. Long, Plainfield, and George I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 9, 1939, Serial No. 278,260
19 Claims. (Cl. 178—42)



1. In a printing telegraph machine responsive to received permutation signals, a recording paper, a main paper feeding mechanism operative in response to an associated signal and adapted to feed said paper a predetermined amount on each operation thereof, an auxiliary paper feeding mechanism operative in response to an associated signal and adapted to feed said paper variable amounts consisting of at least a predetermined amount on each operation thereof, means controlled by each operation of said main paper feeding mechanism following an operation of said auxiliary paper feeding mechanism for invariably decreasing the amount of paper to be fed on a subsequent operation of said auxiliary paper feeding mechanism in excess of said least predetermined amount, and means operative during said subsequent operation of said auxiliary paper feeding mechanism for feeding said paper in accordance with said last mentioned means.

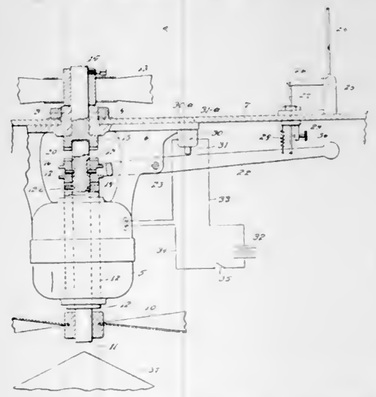
2,276,992
UTILITY HOLDER
Clarence H. Manzler, Rochester, N. Y.
Application June 2, 1941, Serial No. 396,247
4 Claims. (Cl. 24—85)

1. A holder having a flat supporting surface, a tongue of reduced width in front of said supporting surface substantially parallel therewith and held urged toward said supporting surface, a pointed end on said tongue for forcible engagement into an article and clamping action of



the engaged portion of the article against the flat supporting surface, and means cooperating with the pointed end of said tongue for limiting the engagement of the tongue into the article and limiting clamping contact between the article and the supporting surface.

2,276,993
VENTILATING FAN
Antonio Marti, Hartford, Conn.
Application December 1, 1939, Serial No. 307,007
5 Claims. (Cl. 98—23)

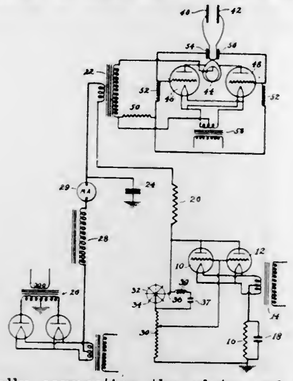


1. For a device of the character described, the combination comprising an electric motor, a shaft extending through said motor and rotatable free thereof, an air driven propeller for rotating said shaft, a fan carried by said shaft, and means on said shaft for independently connecting the same either to said propeller or to said motor for operating the said fan.

2,276,994
ELECTROTHERAPY
Arthur S. Milinowski, Jr., New York, N. Y., assignor to Abraham J. Ginsberg, New York, N. Y.
Application January 22, 1938, Serial No. 186,329
7 Claims. (Cl. 128—422)

1. In ultra short wave apparatus: a pulse producing circuit comprising a condenser, means for charging said condenser, a vacuum discharge

tube across said condenser, said vacuum discharge tube having at least one grid, and means for



periodically connecting the plate and the grid of said vacuum discharge tube.

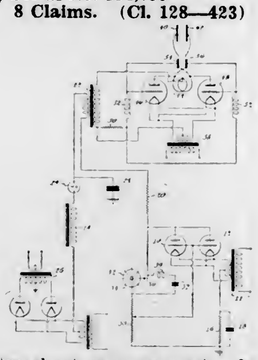
2,276,995

ELECTROTHERAPY

Arthur S. Milinowski, New York, N. Y., assignor to A. J. Ginsberg, New York, N. Y.

Original application January 22, 1938, Serial No. 186,329. Divided and this application August 30, 1940, Serial No. 354,799

8 Claims. (Cl. 128—423)



1. An ultra short wave apparatus for administering therapeutical treatments comprising a source of relatively high voltage electrical current, independent means connected to said source and operable to modulate the potential of said original source and to convert the same into pulsating current of a pulse duration of less than $\frac{1}{100}$ of a second with an interval between pulses of the order of ten or more times the pulse duration, means electrically connected to said independent means and energizable by the modulated potential for transforming the pulsating current into still higher voltage pulsating current, and means energized by the ultra high voltage pulsating current for generating high frequency oscillations and for applying the same to a patient.

2,276,996

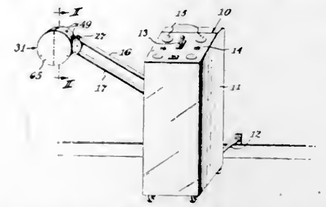
NON-RADIO-INTERFERING THERAPEUTIC APPARATUS

Arthur S. Milinowski, New York, N. Y., assignor to A. J. Ginsberg, New York, N. Y.

Application November 30, 1940, Serial No. 367,895

18 Claims. (Cl. 128—422)

1. A short wave diathermy apparatus shielded to prevent radio interference comprising a cabinet, connections in said cabinet for a source of electrical energy to supply high potential electrical energy, an arm extending from said cabinet, a treatment head supported by said arm, conductors extending along said arm for supplying energy from said source to said treatment head, means associated with said conductors to prevent the transmission of radio frequencies



by said conductors, an oscillating circuit in said treatment head connected to the conductors extending from said source, said oscillating circuit including a vacuum tube generator of short waves, an oscillating coil and condenser, and said treatment head being shielded to prevent the emanation of radiations of radio frequency therefrom but enabling said radiations to be applied to a patient when inductively coupled to said treatment head.

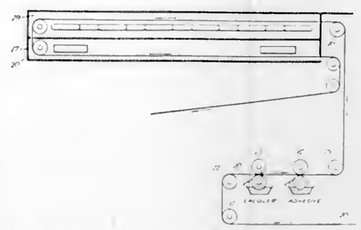
2,276,997

CARTON MAKING APPARATUS

Ralph R. Richardson, Chicago, Ill., assignor to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware

Application September 20, 1939, Serial No. 295,715

3 Claims. (Cl. 91—51)



3. In apparatus of the class described, a printing unit adapted to print on a predetermined area of a sheet, a second printing unit adapted to print on another predetermined area of such sheet, said printing units being operable in closely coupled relation to each other so that the last applied printing is applied before the first applied printing is dried, said second mentioned unit comprising a platen roll and a rotary intaglio member cooperating with said platen roll, said rotary intaglio member having a cylindrical surface portion provided with an intaglio printing design and having its peripheral portions beyond said design recessed relative to said cylindrical portion so as to be disposed in spaced relation to the surface of said platen roll, said printing units being so synchronized that said second printing unit is operative to print on a continuous sheet in predetermined areas intermediate areas printed by the first unit, said recessed portions of said rotary members permitting portions of said web to pass through said second printing unit free of engagement between the first printed areas and the rotary members of said second unit.

2,276,998

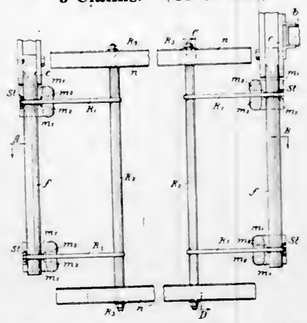
COLLAPSIBLE TRESTLE FOR STRETCHERS

Johann Stollenwerk, Nowawes, near Potsdam, Germany

Application February 9, 1938, Serial No. 189,700

In Germany February 16, 1937

3 Claims. (Cl. 5—210)



1. A stretcher frame including a base, uprights carried by the base, bars pivotally connected to the uprights for upward swinging, means for limiting the downward swinging of the bars, supports swingingly connected to and extending laterally of each bar in spaced relation, carriers connected to and supported by the ends of the supports remote from the bars, rails carried by the free ends of the carriers beyond the bars, and resilient supporting means for the supports, said supporting means being arranged adjacent the bars and forming the sole positioning means for the supports and their connected parts.

2,276,999

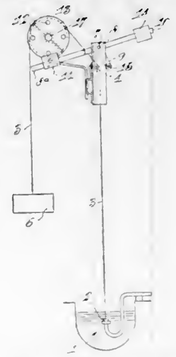
APPARATUS FOR VARIATION OF DENIER

Erwin Bauer, Wuppertal-Elberfeld, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application February 5, 1938, Serial No. 188,826

In Germany February 5, 1937

2 Claims. (Cl. 18—8)



2. Apparatus for the production of rayon thread characterized by irregularly varying denier throughout its length comprising, a spinning bath, a spinning nozzle disposed therein, a driven take-up roller for collecting the thread as it issues from the spinning bath, braking means in the path of said thread between said spinning nozzle and said take-up roller, said braking means including relatively movable normally convergent gripping elements positioned in the path of movement of the thread to grip the same therebetween without displacement thereof from its normal path of travel to substantially stop the movement of the thread at the gripping zone, and means for intermittently separating said gripping elements, whereby when the gripping elements are in gripping position a nub is formed between said spinning nozzle and said braking means while the thread between said braking means and said roller is stretched.

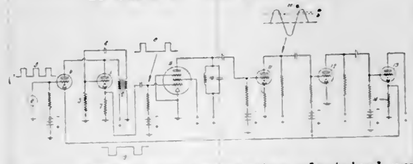
2,277,000

SYNCHRONIZING SYSTEM

Frank James Bingley, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application September 17, 1940, Serial No. 357,179

19 Claims. (Cl. 178—69.5)



1. In a system for generating electrical pulse signals in response to periodically recurring timing pulse signals and in which the generation of a pulse signal is initiated by the triggering action of a timing pulse, a source of periodically recurring timing pulses coupled to said system, and means for effectively increasing the tendency of said system to respond to at least some of said timing signals and for effectively reducing the tendency of said system to respond to other timing signals which may be supplied by said source and to extraneous signals which may unavoidably be introduced into said system, said means comprising a resonant circuit coupled to a part of said system so as to have impressed thereon the pulse signals generated by said system, and a connection between said resonant circuit and another part of said system for applying the waveform developed by said generated pulse signals to said system in a manner to control the responsiveness of the system.

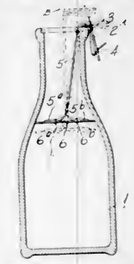
2,277,001

CREAM LINE SEPARATOR FOR MILK CONTAINERS

Ezekiel Hanson, San Diego, Calif.

Application January 29, 1940, Serial No. 316,162

5 Claims. (Cl. 210—51.5)



1. In a cream line separator for milk containers of the class described, the combination with the conventional milk container cap, which fits with its edge in the opening of said milk container of a partition arranged to be placed in the container through the opening at the top and

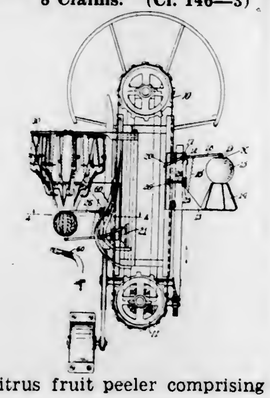
means connecting said cap and partition for shiftably supporting said partition substantially at the line between the cream and milk in the container.

2,277,002
WELL SWAB
John W. MacClatchie, Los Angeles, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application August 19, 1938, Serial No. 225,781
1 Claim. (Cl. 103—225)



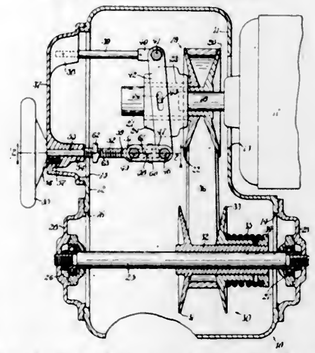
A well swab including a tapered mandrel, a cylindrical resilient packing member divided into at least two sections, the abutting faces of said sections being tapered, the upper and lower portions of said tapered abutting faces being at a greater angle to the axis of the swab that the center portions of said tapered abutting faces, at least one of said sections being slidably mounted on said mandrel, said slidable section being adapted to be longitudinally displaced in one direction to form a water passageway between said tapered faces when said well swab is lowered in a well casing and to be longitudinally displaced in the opposite direction to form a water-tight fit between said tapered faces and between said packing member and said well casing when said swab is raised in said well casing.

2,277,003
FRUIT PEELER
Ralph Polk, Jr., Haines City, Fla., assignor to The Polk Development Company (Unincorporated), Tampa, Fla.
Application December 20, 1940, Serial No. 370,931
8 Claims. (Cl. 146—3)



1. A citrus fruit peeler comprising a circumferential group of skin-slitters and skin-rakers formed to engage skin segments and strip them from the body of the fruit and each of said slitters and rakers movable in a plane radially of the group, a fruit holder, and means for projecting said holder axially through said group of slitters and rakers and back to the receiving end of the group without reverse movement therethrough.

2,277,004
SHIFTING MEANS FOR VARIABLE SPEED DRIVE
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application November 9, 1940, Serial No. 364,991
9 Claims. (Cl. 74—230.17)



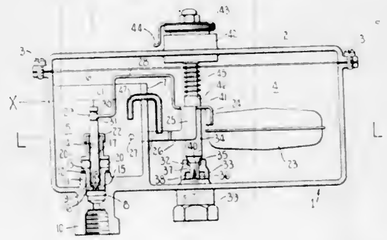
1. In a device of the class described, a casing, substantially aligned apertures in opposite walls of said casing, a motor mounted outside said casing and having a spindle projecting through one of said apertures into said casing and substantially centered in said one aperture, an expansible V-pulley mounted on said spindle within said casing and comprising a coned disc fixed with respect to said spindle and a mating coned disc axially shiftable with respect to said spindle, a non-rotatable element axially fixed with respect to said shiftable disc, a closure for the other of said apertures, an abutment carried by said closure and projecting into proximity to said non-rotatable element, a lever pivoted on said abutment and operatively connected to said non-rotatable element, a screw shaft rotatably carried by said closure, said screw shaft being positioned on the opposite side of said non-rotatable element from the pivotal axis of said lever, and means providing an operative connection between said screw shaft and said lever for converting rotation of said screw shaft into swinging movement of said lever, and said closure and the elements carried thereby being adjustable substantially about the axis of said spindle and including means for securing said closure to said casing in any one of a plurality of adjusted positions.

2,277,005
VITREOUS ENAMELING
Carl R. Ruse, Toledo, Ohio, assignor to Plastic Lights, Inc., Toledo, Ohio, a corporation of Ohio
No Drawing. Application July 13, 1939, Serial No. 286,017
3 Claims. (Cl. 91—72)

1. A process of vitreous enamel coating, which

comprises subjecting glass tubing of desired configuration having portions in two planes, front and rear, to coating on the front portion with a liquid suspension of fusible mineral matter, drying such coating, placing the coated tubing on a bed of plaster of Paris powder with the coated portion exposed, subjecting the exposed surfaces to furnace heat, sufficient to fuse said coating, removing the coated tubing, coating the rear portion with a liquid suspension of fusible mineral matter for opaquing obscuration, drying the coating, placing the coated article on a bed of plaster of Paris powder with the first coated portions buried and the last coated portions exposed, and subjecting the exposed portions to furnace heat sufficient to fuse said coating.

2,277,006
CONTROL DEVICE
Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application November 23, 1937, Serial No. 176,145, now Patent No. 2,230,911, dated February 4, 1941. Divided and this application August 2, 1940, Serial No. 349,997
3 Claims. (Cl. 137—68)



1. In a constant liquid level control device, a casing having two chambers, one of said chambers having a small liquid surface area relative to the other of said chambers, an inlet passageway opening into said one chamber, an outlet passageway opening from said other chamber, means to siphon liquid from said one chamber into said other chamber, a float member in said other chamber responsive to liquid level therein and operable to maintain a substantially constant liquid level therein, a valve member in said one chamber and controlling said inlet passageway, and means operatively connecting said float member to said valve member, said one chamber liquid area being so related to said other chamber liquid area that one siphonic action will not materially affect the liquid level in said other chamber.

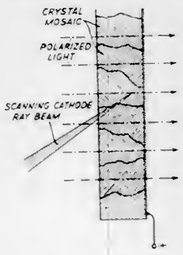
2,277,007
STORAGE PROJECTION TUBE
Manfred von Ardenne, Berlin, Germany
Application November 29, 1939, Serial No. 306,610
In Germany November 14, 1938
2 Claims. (Cl. 178—7.5)

1. A television receiving system comprising a cathode ray tube having means therein for generating a beam of electrons, a target area, means for deflecting the beam of electrons to cause the same to scan the target area, said target area comprising a transparent support base, a layer of crystals of substantially uniform thickness positioned on said base, and a translucent film of insulating material positioned upon the crystal layer, said film of material having a predetermined uniform secondary electron emissive characteristic whereby charge conditions are produced on the target area as a result of the scanning operation, means for directing polarized light upon the target area, and means including



a polarizing screen for focusing the polarized light transmitted through the target area upon an image screen whereby an image may be produced upon the image screen in accordance with the rotation of the plane of polarization of the crystal layer as a result of modulations of the scanning cathode ray beam.

2,277,008
TELEVISION PROJECTION TUBE
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application December 5, 1939, Serial No. 307,573
In Germany October 24, 1938
5 Claims. (Cl. 178—7.5)

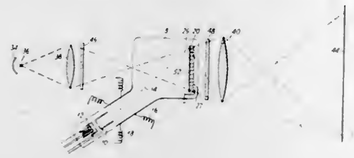


1. A television receiving tube of the image projection type comprising a screen, an electron gun structure for generating a beam of electrons for scanning the screen, means for projecting a source of polarized light on the screen, said screen comprising a thin plate of crystalline sulphide of zinc with the crystal plane parallel to the plane of the screen and with the joints between the individual crystals being less than ten percent of the size of a picture element.

2,277,009
TELEVISION IMAGE PROJECTION TUBE
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application June 6, 1940, Serial No. 339,052
In Germany December 6, 1938
3 Claims. (Cl. 250—164)

1. A cathode ray tube for a television receiving system having means therein adapted for generating a beam of electrons, a target area, means for deflecting the beam of electrons to cause the same to scan the target area, said target area comprising a transparent support base, a layer of crystals of substantially uniform thickness positioned on the support base, and a translucent film or auxiliary layer of material positioned upon the crystal layer, said auxiliary layer

having a predetermined secondary electron emissive characteristic, the ratio of the conductivity of the auxiliary layer in a direction normal to its



surface to the dielectric constant of the auxiliary layer being substantially equal to the corresponding characteristics of the crystal layer.

2,277,010

PROCESS OF SEPARATION OF ORE MATERIALS

Robert B. Booth, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 3, 1939, Serial No. 259,577

10 Claims. (Cl. 209—5)

1. A method of separation of ore materials by differential settling which comprises subjecting an aqueous suspension containing slimy and coarser ore materials including gangue slime to differential settling in the presence of a coloring matter included in the group consisting of sulfonated Nigrosine, Sap Brown, sulfonated beta-naphthol still tars and Sun Yellow.

2,277,011

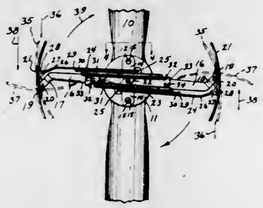
GOVERNOR FOR WIND DRIVEN PROPELLERS

John R. Albers, Sioux City, and Gerhard H. Albers, Cherokee, Iowa, assignors to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota

Application February 26, 1936, Serial No. 65,834

Renewed December 22, 1939

6 Claims. (Cl. 170—75)



1. A governor for wind driven propellers comprising, in combination with a propeller blade supported to rotate about an axis, an arm secured to turn with and be driven by said blade and extending from the axis thereof, a plate pivotally attached to the free-end-part of said arm, and spring resisting means acting upon said plate as it is swung by centrifugal force upon its pivotal attachment to said arm to offer opposing wind effects to the rotation of said blade, the pivotal axis of the plate being positioned at right angles to the plane of rotation of the propeller, and said pivotal axis being positioned off the horizontal center of the plate.

2,277,012

SOCK

Fred Blount, Belper, England

Application June 25, 1940, Serial No. 342,209

In Great Britain May 9, 1940

3 Claims. (Cl. 66—172)

1. A sock comprising a top band knitted in two halves having elastic threads laid in courses on the outer face of the band, a leg, a foot, and two



suspension pieces connecting the two halves of said top band with said leg, said suspension pieces having wide upper and lower regions where they are joined respectively to said top band and said leg and being narrowed intermediately between said upper and lower regions.

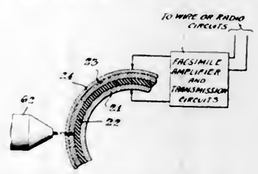
2,277,013

ELECTRIC RECORDING AND TRANSMISSION OF PICTURES

Chester F. Carlson, Jackson Heights, N. Y.

Application June 27, 1939, Serial No. 281,316

15 Claims. (Cl. 178—5)



1. An electrophotographic element comprising two layers of conductive material separated by two intervening layers, one of said intervening layers being formed of insulating material and the other of said intervening layers being formed of photoconductive insulating material, at least one of said conductive layers being light pervious.

2,277,014

RAIL BONDING APPARATUS

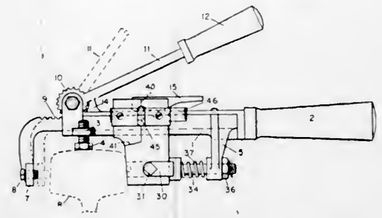
Noble G. Carlson, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio

Application July 6, 1940, Serial No. 344,267

15 Claims. (Cl. 22—116)

1. In bonding apparatus of the character described, the combination of relatively reciprocable frame and rack members, one provided with mold supporting means and the other with rail-engaging means, a spring tending to move said members in a direction to separate said means, a pinion on said frame member engaging the rack on said rack member and adapted on oscillation to draw said means together, and

a mold held by said mold supporting means adapted to be clamped in close engagement with



a rail by cooperative action of said rail engaging means.

2,277,015

PREPARATION OF ORGANIC COMPOUNDS

Herbert H. Guest, West Hartford, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut

No Drawing. Application November 9, 1937, Serial No. 173,608

21 Claims. (Cl. 260—404)

10. A method for preparing an organic compound suitable for use as a detergent, comprising adding diethanolamine and diethylene glycol to methyl alpha bromo myristate and heating the mixture at about 180 to 200° C. for about 60 to 90 minutes while stirring and refluxing the solvent, removing the solvent and adding potassium hydroxide dissolved in ethyl alcohol, filtering the mixture to remove potassium bromide, and distilling to remove the alcohol.

19. As a new product of manufacture, an alkylol amide of an alkylol amino aliphatic acid containing 6 to 22 carbon atoms in the aliphatic radical.

2,277,016

PREPARATION OF ORGANIC COMPOUNDS

Herbert H. Guest, West Hartford, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut

No Drawing. Application August 1, 1940, Serial No. 349,247

36 Claims. (Cl. 260—404)

1. A method of producing an organic compound comprising reacting an alkylol amine, having at least one hydrogen atom connected to the nitrogen of the amino group, with a halogenated aliphatic compound, in which the halogen is connected to a carbon of the aliphatic compound not more than 7 carbon atoms distant from the alpha position, of the class consisting of monocarboxylic acids, esters and alkylol amides of the halogenated aliphatic compound, to replace the halogen with the alkylol amine.

2,277,017

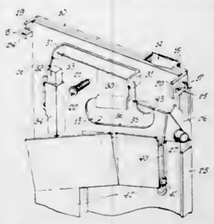
COIN CHUTE SCAVENGING MEANS

William Patzer and Walter A. Tratsch, Chicago, Ill.

Application February 9, 1939, Serial No. 255,368

1 Claim. (Cl. 194—97)

In a coin chute of the type having a coin passage with a movable wall portion constituting a gate movable from a normally closed position to provide a discharge opening, the combination of testing means in the form of a feeler pivoted on the gate and having a coin engaging portion arranged to project into the passage to engage and arrest certain coin elements, means yieldingly urging said feeler to project said coin engaging portion into the passage, means for opening said gate, and feeler tripping means including a member movably mounted on a part of said chute which is stationary relative to said gate, said member having a part engaging said gate in closed position for movement of the member when the gate is opened, said member being ar-



ranged and constructed to engage said feeler when moved as aforesaid to pivot the same out of said passage to release an arrested coin, said member being arranged and constructed to be moved by said gate a predetermined amount prior to movement of said feeler, said predetermined amount being such that said gate will be in a predetermined open position before said feeler is moved to release an arrested coin element.

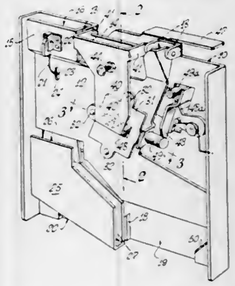
2,277,018

COIN CHUTE

William Patzer and Walter A. Tratsch, Chicago, Ill.

Application October 2, 1939, Serial No. 297,474

4 Claims. (Cl. 194—101)



1. In a coin chute, means providing a coin passage having an opening constituting a reject exit, a gate normally closing said opening and exit and arranged to be opened to permit discharge of arrested coin elements from said passage, a magnet disposed on a side of said passage opposite said gate, magnetic means on said gate for concentrating the field of force of said magnet with respect to a certain region of said passage, and stationary magnetic means mounted in position with respect to said first-mentioned magnetic means to limit the spreading of said field of force when the gate is opened and moves said first-mentioned magnetic means away from the magnet.

2,277,019

FILM STABILIZER

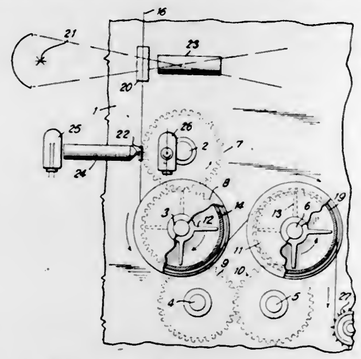
Herbert Griffin, Jersey City, N. J.

Application December 31, 1938, Serial No. 248,673

17 Claims. (Cl. 271—2.3)

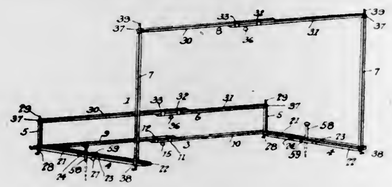
1. A stabilizer consisting of a rotatable hollow

drum, means to pull a flexible member while it is in contact with said drum so as to rotate said drum, a vane in the hollow portion of said drum,



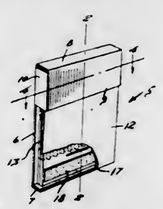
a viscous fluid in the hollow portion of the drum and in contact with the vane, and means to prevent the vane from rotating in the same direction as the drum.

2,277,020
TENT
Moore Lynn, Los Angeles, Calif.
Application December 26, 1940, Serial No. 371,738
7 Claims. (Cl. 135—3)



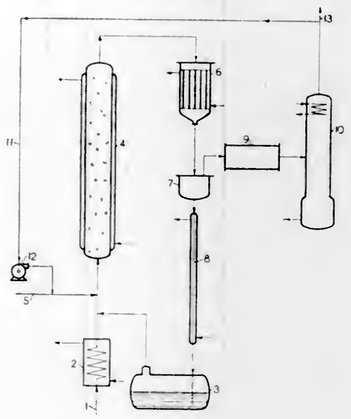
3. In a tent frame, a rear base rail, end base rails, rear corner posts, clamps for clamping said rear corner posts to the rear ends of said end base rails, respectively, front corner posts, and clamps for clamping said front corner posts to the front ends of said end base rails, respectively.

2,277,021
MATCHBOX OR THE LIKE
Herbert F. Swain, Tappan, N. Y.
Application January 30, 1941, Serial No. 376,696
4 Claims. (Cl. 206—29)



1. A device comprising a back wall, a narrow bottom wall projecting laterally from the lower end of said back wall, a front cover flap projecting upwardly from the front edge of said bottom, a packet of paper fingers fixed to said back wall, said paper fingers being partly severed at their connected ends and said fingers having one longitudinal edge at their sides adjacent the severed portion deflected forwardly to provide means affording easy gripping of the individual fingers for removal thereof and a hood on the upper part of said back wall receiving and enclosing the heads of the paper fingers with the upper end of said front cover flap inserted between the paper fingers and the front wall of said hood.

2,277,022
METHOD FOR EXECUTING CATALYZED VAPOR PHASE REACTIONS
Frank M. McMillan and George S. Parsons, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 10, 1940, Serial No. 339,733
3 Claims. (Cl. 260—676)



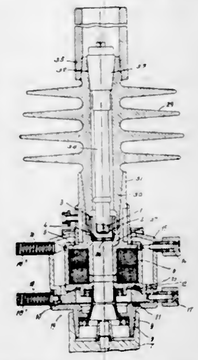
1. A method for the vapor phase isomerization of butane with the aid of aluminum chloride which comprises passing vapors of butane with vapors of aluminum chloride and vapors of a hydrogen halide promoter through a bed of an adsorptive alumina at a temperature above 230° C. but below that causing substantial cracking of the reactant vapors, and recovering and recycling aluminum chloride and hydrogen halide promoter from the vaporous reaction product.

2,277,023
COMPOSITE BEARING
Carl Steiner and Roland Sterner-Rainer, Heilbronn-on-the-Neckar, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 11, 1936, Serial No. 110,302. In Germany November 16, 1935
7 Claims. (Cl. 308—237)

7. A rolled composite aluminum bearing having a unitary structure comprising a metallic foundation having a rolled structure of substantial structural strength, a liner constituted of an aluminum alloy having aluminum as a major component having a rolled structure of good bearing qualities and a hardness less than about 100° Brinell, and an autogenous bond uniting said shell with said liner to form a unitary structure.

2,277,024
ELECTRONIC MICROSCOPE
Ernst Ruska and Hans Schuchmann, Berlin-Spandau, Germany, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application September 15, 1939, Serial No. 294,998
In Germany September 16, 1938
15 Claims. (Cl. 250—49.5)

1. In an electron microscope having irradiation means for producing an electron beam, condenser lens means for concentrating said beam, a microscope structure containing object-holding means and a magnifying lens system, in combination, a holder of annular shape surrounding said beam and arranged between said structure and said condenser lens, said holder being displaceably mounted on said structure to be movable transversely with respect to the optical axis of said structure, means for adjusting the position of said displaceable holder relative to said structure, said irradiation means and said condenser lens means being connected with each other to form a single irradiation unit, said unit being tiltably mounted on said holder, and ad-



justing screws mounted on said holder and bearing against said unit for varying and securing the angular position of said unit relative to said holder.

DESIGNS

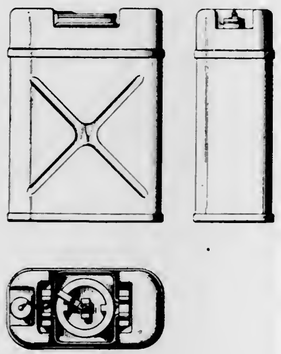
MARCH 17, 1942

131,615
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Hattie M. Babl, Detroit, Mich.
Application December 26, 1941, Serial No. 104,857
Term of patent 7 years



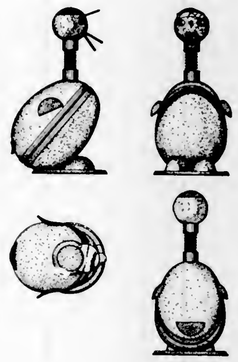
The ornamental design for a plaque or similar article, as shown.

131,616
DESIGN FOR A PORTABLE CONTAINER FOR LIQUIDS
David Thomas Clements, United States Army, Arlington, Va.
Application November 3, 1941, Serial No. 104,008
Term of patent 3½ years



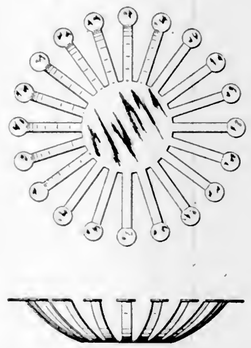
The ornamental design for a portable container for liquids as shown and described.

131,617
DESIGN FOR A FIGURE BOX
Daniel Jacoby, New York, N. Y.
Application November 4, 1941, Serial No. 104,023
Term of patent 3½ years



The ornamental design for a figure box, as shown.

131,618
DESIGN FOR AN EJECTOR SPRING FOR A CIGARETTE DISPENSER
Louis Kriegsfeld, Jersey City, N. J.
Application January 18, 1941, Serial No. 98,182
Term of patent 3½ years



The ornamental design for a ejector spring for a cigarette dispenser, as shown.

131,619
DESIGN FOR A GLASS BOTTLE
Albert C. Meyer, Glenshaw, Pa., assignor to Glenshaw Glass Company, Glenshaw, Pa., a corporation of Pennsylvania
Application September 12, 1941, Serial No. 103,317
Term of patent 7 years



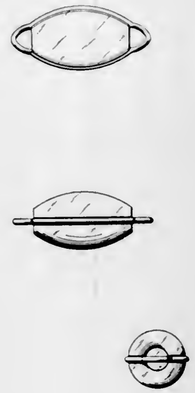
The ornamental design for a glass bottle, as shown.

131,620
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Gustave Miller, New Haven, Conn.
Application December 1, 1941, Serial No. 104,422
Term of patent 7 years



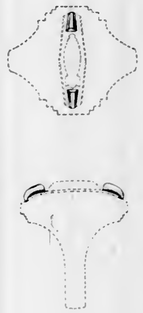
The ornamental design for a jewelry finding or similar article, substantially as shown.

131,621
DESIGN FOR A ROSARY BEAD
Horace Randall, Pawtucket, R. I., assignor to H. M. H. Company, Pawtucket, R. I.
Application June 6, 1941, Serial No. 101,331
Term of patent 14 years



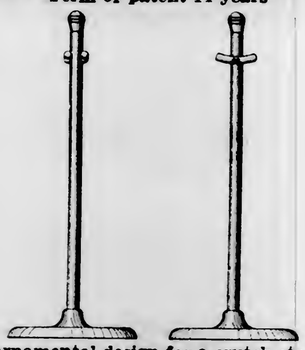
The ornamental design for a rosary bead, as shown.

131,622
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
William R. Rowan, North Attleboro, Mass., assignor to L. G. Balfour Company, a corporation of Massachusetts
Application August 26, 1941, Serial No. 103,015
Term of patent 3½ years



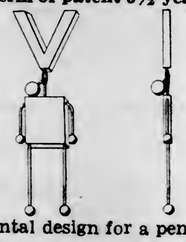
The ornamental design for a finger ring or similar article, substantially as shown and described.

131,623
DESIGN FOR A CRUTCH STAND
John A. Tackaberry, East Port Chester, Conn.
Application October 8, 1941, Serial No. 103,685
Term of patent 14 years



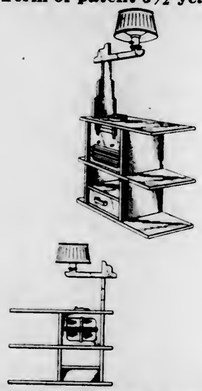
The ornamental design for a crutch stand, substantially as shown and described.

131,624
DESIGN FOR A PENDANT
Adolph Wertheim, Brooklyn, N. Y.
Application December 17, 1941, Serial No. 104,667
Term of patent 3½ years



The ornamental design for a pendant, substantially as shown.

131,625
DESIGN FOR A COMBINATION BOOK AND MAGAZINE CABINET, RADIO, LAMP, AND LAMP SUPPORT
Mitchell Reid Wright, Covington, Ga.
Application July 2, 1941, Serial No. 101,861
Term of patent 3½ years



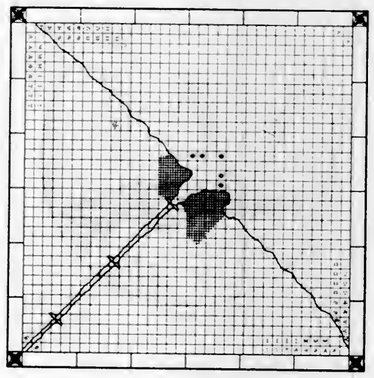
The ornamental design for a combination book and magazine cabinet, radio, lamp, and lamp support, as shown and described.

131,626
DESIGN FOR A GAUGE
Sheldon B. Ellwood, Studio City, and Ralph E. Pettit, Jr., Hollywood, Calif.
Application February 10, 1941, Serial No. 98,877
Term of patent 7 years



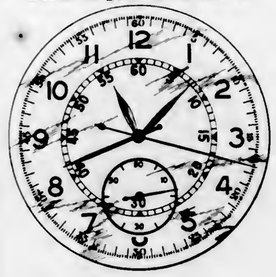
The ornamental design for a gauge, as shown.

131,627
DESIGN FOR A GAME BOARD
Otto Hammer, Whittier, Calif.
Application May 31, 1941, Serial No. 101,242
Term of patent 7 years



The ornamental design for a game board, as shown and described.

131,628
DESIGN FOR A COMBINED DIAL AND HANDS FOR A WATCH OR SIMILAR ARTICLE
John P. V. Heinmuller, Katonah, N. Y., assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y., a corporation of New York
Application January 1, 1942, Serial No. 104,963
Term of patent 14 years



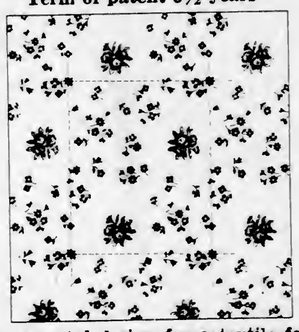
The ornamental design for a combined dial and hands for a watch or similar article, as shown.

131,629
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application January 16, 1942, Serial No. 105,220
Term of patent 3½ years



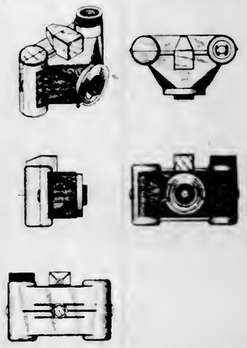
The ornamental design for a shoe, substantially as shown and described.

131,630
DESIGN FOR A TEXTILE FABRIC
Alice Klinke, New York, N. Y., assignor to Electro-Technical Products, Inc., Nutley, N. J., a corporation of New Jersey
Application July 1, 1941, Serial No. 101,838
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

131,631
DESIGN FOR A CAMERA
George L. Lawrence, Peru, Ind., assignor, by mesne assignments, to Jack Galter, Chicago, Ill.
Application August 21, 1941, Serial No. 102,979
Term of patent 14 years

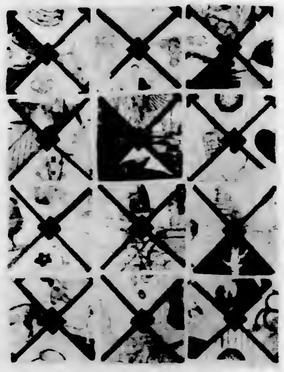


The ornamental design for a camera, as shown.

131,632
DESIGN FOR A DECK OF CARDS
Antoinette Morré, New York, N. Y.
Application July 25, 1941, Serial No. 102,478
Term of patent 7 years

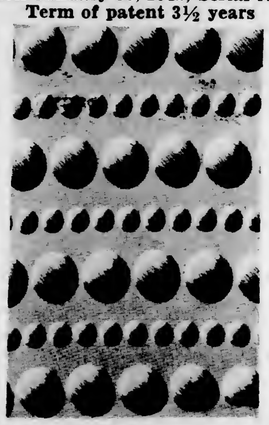


131,632—Continued



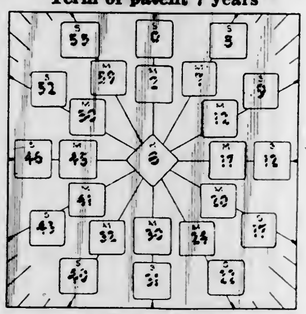
The ornamental design for a deck of cards, as shown and described.

131,633
DESIGN FOR A TEXTILE FABRIC
Willard David Roberson, New York, N. Y.
Application January 30, 1942, Serial No. 105,512
Term of patent 3½ years



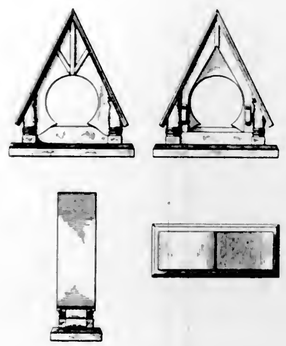
The ornamental design for a textile fabric, substantially as shown.

131,634
DESIGN FOR A GAME BOARD
Eugene S. Villeneuve, Detroit, Mich.
Application September 20, 1941, Serial No. 103,435
Term of patent 7 years



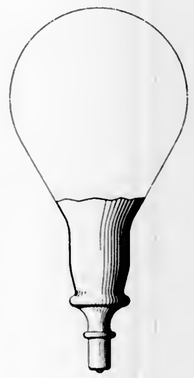
The ornamental design for a game board, as shown and described.

131,635
DESIGN FOR A CLOCK CASE
Charles B. Aske, Duluth, Minn.
Application December 18, 1941, Serial No. 104,711
Term of patent 7 years



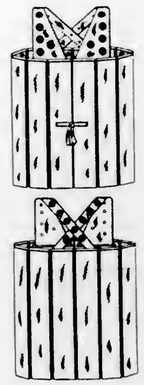
The ornamental design for a clock case, as shown.

131,636
DESIGN FOR A FIRE EXTINGUISHER
Powell Evans, Haverford, Howard P. Jarden, Philadelphia, and George W. Schmunk, Croydon, Pa., assignors to said Powell Evans
Application December 30, 1941, Serial No. 104,920
Term of patent 14 years



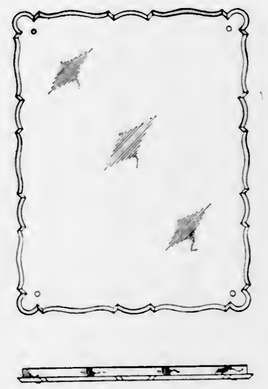
The ornamental design for a fire extinguisher, substantially as shown and described.

131,637
DESIGN FOR A REFLECTOR-EQUIPPED LIFE PRESERVER
Raymond S. Smuland, Duluth, Minn.
Application September 4, 1941, Serial No. 103,157
Term of patent 3½ years



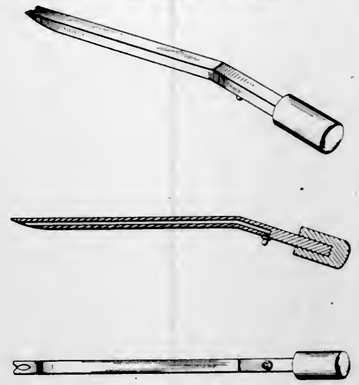
The ornamental design for a reflector-equipped life preserver, as shown.

131,638
DESIGN FOR A CABINET DOOR
Adolph Marchand, Jackson Heights, N. Y.
Application July 19, 1941, Serial No. 102,288
Term of patent 3½ years



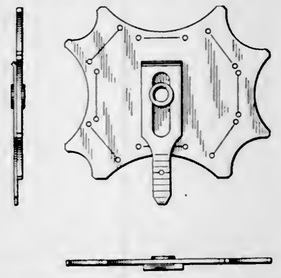
The ornamental design for a cabinet door, as shown.

131,639
DESIGN FOR A COMBINATION SPRING COVER REPACKER AND LEAF SPRING LUBRICATOR
Oliver Frank Vrchota, Indianapolis, Ind.
Application December 3, 1941, Serial No. 104,450
Term of patent 14 years



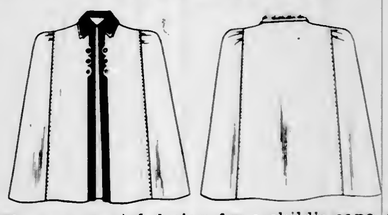
The ornamental design for a combination spring cover repacker and leaf spring lubricator, as shown.

131,640
DESIGN FOR A GAUGE OR SIMILAR ARTICLE
Walter E. Hollingshead, York, Pa.
Application June 23, 1941, Serial No. 101,619
Term of patent 14 years



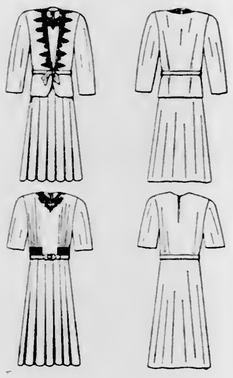
The ornamental design for a gauge or similar article, as shown.

131,641
DESIGN FOR A CHILD'S CAPE
Jerome M. Schwartz, New York, N. Y.
Application February 6, 1942, Serial No. 105,669
Term of patent 3½ years



The ornamental design for a child's cape, substantially as shown.

131,642
DESIGN FOR A DRESS ENSEMBLE
William Slepin, Philadelphia, Pa.
Application November 27, 1941, Serial No. 104,351
Term of patent 3½ years



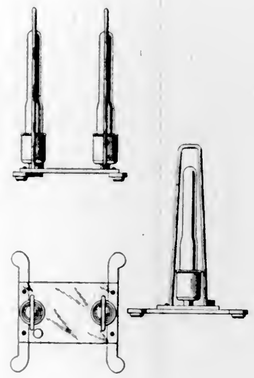
The ornamental design for a dress ensemble, as shown and described.

131,643
DESIGN FOR A DRESS ENSEMBLE
William Slepin, Philadelphia, Pa.
Application November 27, 1941, Serial No. 104,352
Term of patent 3½ years



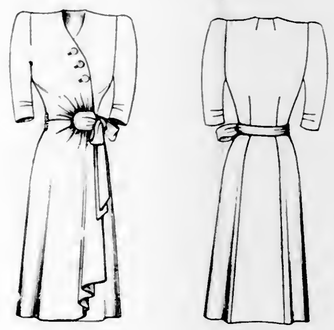
The ornamental design for a dress ensemble, as shown and described.

131,644
DESIGN FOR AN ULTRA-VIOLET SHOE STERILIZER
Norman A. Whittaker, Seattle, Wash.
Application June 14, 1941, Serial No. 101,466
Term of patent 3½ years



The ornamental design for an ultra-violet shoe sterilizer, as shown.

131,645
DESIGN FOR A DRESS
Leah Asteroff, New York, N. Y.
Application January 12, 1942, Serial No. 105,153
Term of patent 3½ years



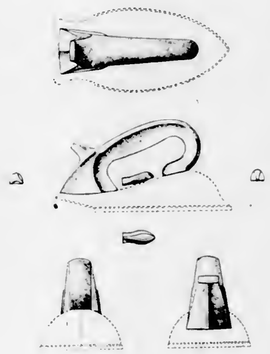
The ornamental design for a dress, substantially as shown.

131,646
DESIGN FOR A DRESS
Leah Asteroff, New York, N. Y.
Application January 12, 1942, Serial No. 105,154
Term of patent 3½ years



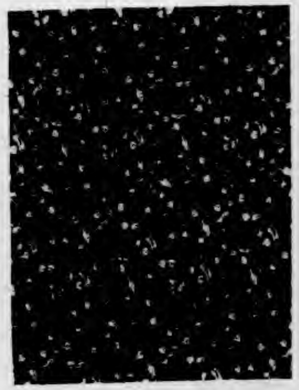
The ornamental design for a dress, substantially as shown and described.

131,647
DESIGN FOR AN ELECTRIC IRON OR SIMILAR ARTICLE
Irving Edelman, Brooklyn, N. Y.
Application May 19, 1941, Serial No. 101,005
Term of patent 3½ years



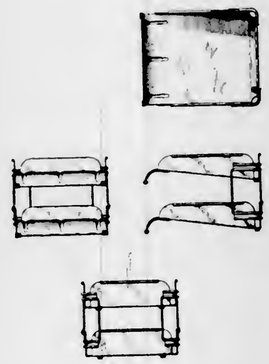
The ornamental design for an electric iron or similar article, as shown and described.

131,648
DESIGN FOR A TEXTILE FABRIC
Mary F. Faulconer, New York, N. Y.
Application January 12, 1942, Serial No. 105,160
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,649
DESIGN FOR A LETTER TRAY
Earl S. Gavin, Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 10, 1941, Serial No. 104,560
Term of patent 14 years



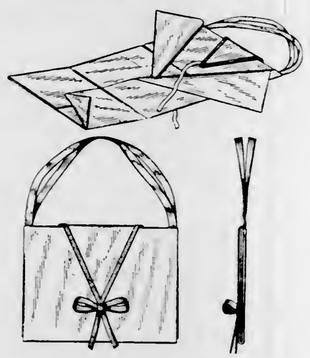
The ornamental design for a letter tray, as shown.

131,650
DESIGN FOR A DRESS
Mildred Giordano, New York, N. Y.
Application December 19, 1941, Serial No. 104,721
Term of patent 3½ years



The ornamental design for a dress, substantially, as shown and described.

131,651
DESIGN FOR A SHOPPING BAG OR THE LIKE
Isabel Manning Hewson, New York, N. Y.
Application February 3, 1942, Serial No. 105,604
Term of patent 7 years



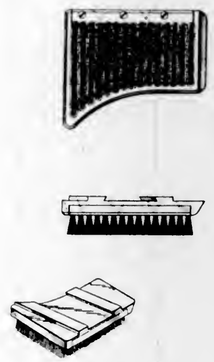
The ornamental design for a shopping bag or the like, substantially as shown.

131,652
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Albert Horwig, New York, N. Y.
Application January 10, 1942, Serial No. 105,114
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,653
DESIGN FOR A DABBING BRUSH
Clarence G. Rowland, North Newington, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application December 19, 1940, Serial No. 97,466
Term of patent 14 years



The ornamental design for a dabbing brush, as shown.

131,654
DESIGN FOR A VENTILATOR FOR BUILDINGS
Charles S. Warnock, Los Angeles, Calif.
Application September 24, 1941, Serial No. 103,468
Term of patent 7 years



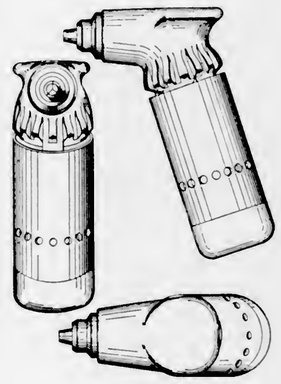
The ornamental design for a ventilator for buildings, as shown.

131,655
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application December 19, 1941, Serial No. 104,717
Term of patent 3½ years



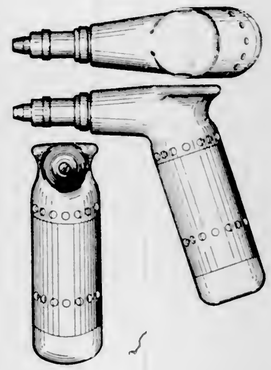
The ornamental design for a dress, substantially as shown.

131,656
DESIGN FOR A PORTABLE POWER TOOL UNIT
Alonzo G. Decker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application July 17, 1941, Serial No. 102,196
Term of patent 7 years



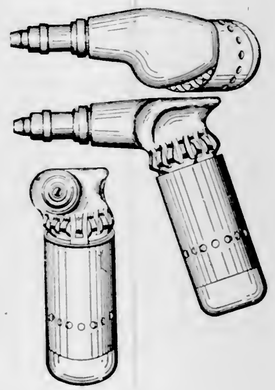
The ornamental design for a portable power tool unit substantially as shown and described.

131,657
DESIGN FOR A PORTABLE ELECTRIC SCREW DRIVER UNIT
Alonzo G. Decker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application July 17, 1941, Serial No. 102,197
Term of patent 7 years



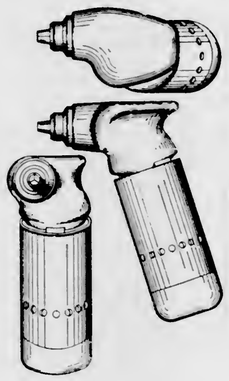
The ornamental design for a portable electric screw driver unit substantially as shown.

131,658
DESIGN FOR A PORTABLE POWER DRIVEN SCREW DRIVER UNIT
Alonzo G. Decker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application July 17, 1941, Serial No. 102,198
Term of patent 7 years



The ornamental design for a portable power driven screw driver unit, substantially as shown.

131,659
DESIGN FOR A PORTABLE POWER TOOL UNIT
Alonzo G. Decker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application July 17, 1941, Serial No. 102,199
Term of patent 7 years



The ornamental design for a portable power tool unit, substantially as shown and described.

131,660
DESIGN FOR A DRESS
Helen May, Garden City, N. Y.
Application January 26, 1942, Serial No. 105,421
Term of patent 3½ years



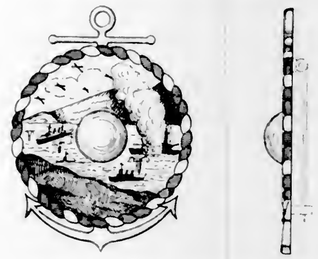
The ornamental design for a dress, substantially as shown.

131,661
DESIGN FOR A JEWELRY FINDING
Kurt Ferdinand von Pantz, Kansas City, Mo.
Application December 6, 1941, Serial No. 104,527
Term of patent 3½ years



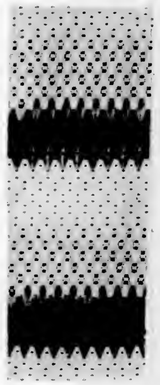
The ornamental design for a jewelry finding, substantially shown.

131,662
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Boris S. Holmstock and Anne Evalenko, New York, N. Y.
Application December 26, 1941, Serial No. 104,860
Term of patent 3½ years



The ornamental design for a badge or similar article, substantially as shown.

131,663
DESIGN FOR A KNITTED TEXTILE FABRIC
Adolph Lehmann, New York, N. Y.
Application February 16, 1942, Serial No. 105,830
Term of patent 3½ years



The ornamental design for a knitted textile fabric, substantially as shown.

131,664
DESIGN FOR A DRESS
Samuel Berkowitz, New York, N. Y.
Application January 26, 1942, Serial No. 105,409
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,665
DESIGN FOR A CONTAINER FOR PERFUME BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application January 5, 1942, Serial No. 105,022
Term of patent 14 years



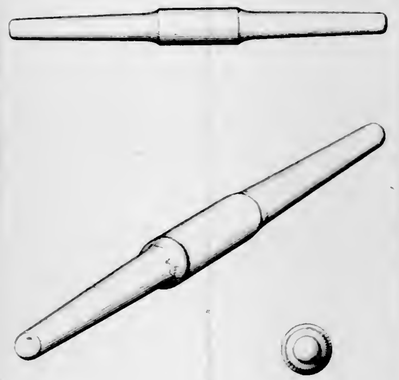
The ornamental design for a container for perfume bottle or similar article, as shown.

131,666
WRAPPING PAPER
John W. Elder, Middletown, Ohio
Application October 8, 1941, Serial No. 103,678
Term of patent 14 years



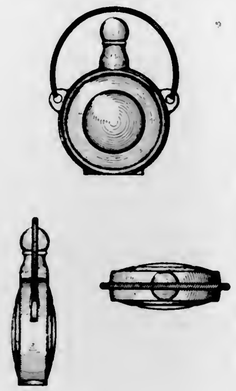
The ornamental design for wrapping paper, as shown and described.

131,667
DESIGN FOR A LAWN MOWER HANDLE CROSS PIECE
Truman B. Funk, Jackson, Mich., assignor to Yard-Man, Inc., Jackson, Mich., a corporation of Michigan
Application April 24, 1940, Serial No. 91,900
Term of patent 14 years



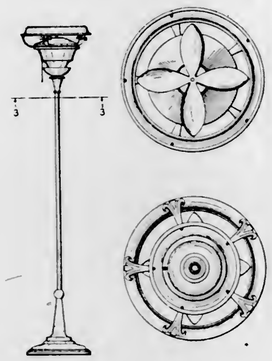
The ornamental design for a lawn mower handle crosspiece, substantially as shown.

131,668
DESIGN FOR A BOTTLE
Major A. Glueck, Kansas City, Mo.
Application October 17, 1941, Serial No. 103,793
Term of patent 7 years



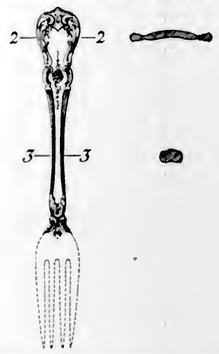
The ornamental design for a bottle, substantially as shown.

131,669
DESIGN FOR A PEDESTAL FAN
William L. Kisling, St. Louis, Mo.
Application February 5, 1941, Serial No. 98,762
Term of patent 7 years



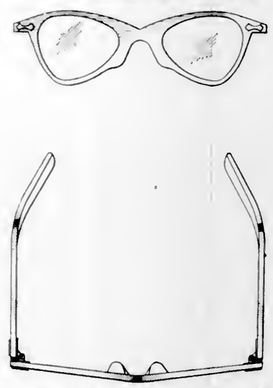
The ornamental design for a pedestal fan, substantially as shown.

131,670
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application November 24, 1941, Serial No. 104,277
Term of patent 14 years



The ornamental design for a fork or analogous article, substantially as shown and described.

131,671
DESIGN FOR A PAIR OF SPECTACLES
Edward W. Smith, Jr., Flushing, N. Y., assignor to Alexander Kono, Maspeth, Long Island, N. Y., doing business under the name of Kono Manufacturing Company, Woodside, Long Island, N. Y.
Application December 30, 1941, Serial No. 104,925
Term of patent 14 years



The ornamental design for a pair of spectacles, as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

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March 24, 1942

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T. M. Renewals	87		
Reissues	6	No. 22,050 to No.	22,055, inclusive.
Patents	633	No. 2,277,025 to No.	2,277,657, inclusive.
Designs	117	No. 131,672 to No.	131,788, inclusive.
Total	953		

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In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Notice

Notice is hereby given that by Order of His Excellency the Governor General in Council, on the recommendation of the Secretary of State, the Rules and Regulations under The Patent Act, 1935, made by Order in Council P. C. 3038, dated September 26th, 1935, have been amended by Order in Council P. C. 812, dated February 3rd, 1942, by revoking Rules 13, 31 and 33 and substituting the following rules therefor:—

"13. The oath of an inventor shall show that it has been sworn not earlier than thirty days before the date of the filing of the application for patent to which it relates, but, during the War in which Canada is presently engaged and for such period thereafter until His Excellency the Governor General in Council may otherwise order the said period of thirty days shall be extended to three months in respect of the oaths of inventors resident in any of His Majesty's dominions outside Canada, and in respect of the oaths of inventors resident in the United States of America.

"31. Each application shall be treated as entitled to priority as of the date of filing thereof, unless the applicant requests the recognition of an earlier priority date. In support of such request the applicant shall furnish to the Office (*a*) a certificate from the Patent Office in which such application is filed showing the actual date of its filing therein and (*b*) evidence on oath establishing to the satisfaction of the Commissioner that such application was the first application made for a patent on the invention in question filed by the applicant or any one claiming under him in any country specified in Section 27 of the Patent Act, 1935.

"The Commissioner may require the applicant to furnish a duly certified copy of the previous application upon which he relies.

"If the certificate or the previous application relied upon, if required as aforesaid, is not in either the English or French language, a duly certified translation into either English or French shall be filed.

"33. An application shall not be entitled to any exceptional priority based upon a previous application or previous applications made in any country outside Canada which do not disclose the whole of the invention as defined in at least one of the claims presented in Canada."

His Excellency in Council, on the same recommendation, and under the authority of the Patent Act, 1935, and the War Measures Act, is pleased to authorize and doth hereby authorize the Commissioner of Patents to deal with applications presently pending in the Patent Office as if the above new Rules 13, 31 and 33 had come into effect on the first day of January, 1940.

J. T. MITCHELL,
Commissioner of Patents.

Condition of Applications Under Examination at Close of Business March 7, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,300; Trade-Mark Division, 1,166. Oldest new case, May 12, 1941; oldest amended, April 25, 1941.)
(The dates given are 1941 except where † indicates 1942)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action		No. of applications awaiting action
		New	Amended	
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 30	June 26	755
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 3	Sept. 8	690
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 21	Nov. 12	609
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 8	Oct. 23	534
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 20	Sept. 17	460
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 4	Aug. 12	1034
5725	7. JARBOE, C. G., Optics; Photography	Aug. 16	Aug. 15	1050
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 24	Aug. 21	820
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 20	Sept. 4	602
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 9	July 9	908
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 27	Oct. 9	419
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Sept. 17	Sept. 5	579
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 14	July 5	645
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 30	Nov. 4	573
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 12	Aug. 8	1158
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 7	Oct. 7	491
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 2	July 9	949
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 15	Sept. 27	586
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 24	Aug. 1	682
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 20	Sept. 8	411
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 18	Sept. 5	403
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 12	May 12	1735
7624	23. BUTTNER, W. J., Registers (part)	May 24	Apr. 25	249
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 21	Aug. 26	876
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 4	Oct. 15	587
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 15	Sept. 29	439
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 2	July 28	618
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Sept. 9	July 31	372
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 5	Aug. 6	696
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 7	Nov. 21	404
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 10	Sept. 10	1558
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 1	July 3	961
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	July 10	July 9	907
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 1	Oct. 16	402
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 15	July 11	957
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 9	Sept. 18	644
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 30	Nov. 3	621
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 25	July 16	710
4878	39. WHITNEY, F. I., Fluid Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 25	Oct. 27	541
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	July 22	July 25	1619
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Sept. 13	Sept. 11	570
5882	42. CUTTING, H. O., Electric Signaling	Oct. 15	Oct. 4	408
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 29	Sept. 2	764
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 9	Sept. 4	370
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 17	Dec. 19	347
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 18	Aug. 18	781
6082	47. KANOF, W. J., Clutches; Brakes	Oct. 4	Sept. 17	378
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 14	Aug. 13	776
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 21	Aug. 11	688
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 9	Aug. 12	1521
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 3	Nov. 27	313
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 18	Sept. 11	450
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 8	Apr. 28	593
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 10	Oct. 27	378
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 11	Oct. 1	300
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 11	July 14	1401
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 10	Oct. 11	330
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 17	Nov. 6	442
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 8	July 15	1193
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 6	Sept. 20	359
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 21	Aug. 15	700
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 29	Aug. 25	737
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 9	1398
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 30	Aug. 22	1568
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 10	Sept. 19	353
2099 B	Trade-Marks: F. A. RICHMOND	Jan. 28	Feb. 11	1166
2605	Designs: H. H. KALUPY	Jan. 7	Jan. 21	928

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE DUGGAN ET AL.

No. 4,548. Decided December 29, 1941. Petition for Rehearing

[124 F.(2d) 215]

PATENTABILITY—CLAIMS—FUNCTIONAL LIMITATION.

Where the sole patentable novelty in certain claims to a method of preshrinking and finishing cellulosic textile fabric rests in a functional statement that the strength and temperature of the treating baths and the time of treatment are so adjusted that substantial solubilizing of the fiber is avoided *Held* that the claims do not comply with the requirements of section 4888 R. S. in that they fail to teach the art a new, patentable discovery, but merely vaguely and indefinitely suggest a course of action to workers in the art whereby, if the proper conditions were discovered, followed and applied, desirable results would be obtained, and *Held* that the claims properly were rejected.

APPEAL from Patent Office. Affirmed.

Mr. Frank H. Marks (*Mr. Ivan P. Tashof* of counsel) for Duggan et al.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

This case presents the not unusual situation of an application in the United States Patent Office for a patent for a process in which certain claims, specific to certain concentrations of reagents and temperatures, were allowed, and certain claims, couched broadly in terms of result or function, were denied. It is with the question of whether or not these latter claims were properly denied by the Board of Appeals of the Patent Office that we are here concerned.

Appellants' process is in the art of finishing cellulosic textile fabrics such as cotton cloth used for making shirts. The process is particularly useful in finishing cotton broadcloth. The process accomplishes two purposes: (1) it preshrinks the fabric, and (2) it gives it a permanent finish and attractive appearance. There are a number of steps involved in the process, including putting the fabric to be treated in a copper sulphate bath, where it is impregnated or "padded" with copper sulphate, and then passing it into a bath made up of a mixture of caustic soda and ammonia, causing the filaments to swell. Following this bath, the fabric is rinsed in cold water, subjected, with agitation, to a bath of dilute sulphuric acid, and washed in cold water to remove the acid. The excess moisture is then removed and the material is stentered or stretched to not more than its original width.

The specification calls for a certain range of concentration of the chemicals involved, and also calls for definite times and temperatures in order to obtain the desired result. In their specification, appellants lay considerable stress on the fact that a slight change in the composition of the baths, or in the conditions of time and temperature may have quite an influence in the result obtained. We quote:

> We are aware that other methods have been suggested for treating fabrics, but we have found from a long and thorough study thereof that said previously suggested methods, in most cases, fail to produce the optimum results. Inasmuch as said treatments involve a wide variety of physical and chemical factors, a comparatively slight variation of one or more of said factors is found to produce a great change in the final results, and in view of the close inter-relation of said factors, said results are not usually predictable.

The Primary Examiner, in his statement made following appeal to the Board of Appeals, quoted from "the remarks on page 4 of the amendment of Nov. 21, 1939," submitted by appellants (not otherwise found in the record) as follows:

> It is desired to emphasize again the point which we brought out in the interview that even slight changes in the baths may produce very important differences in results. These changes may take the form of variation in the composition of the baths themselves as well as differences in the conditions of concentration, time and temperature. Applicants recognize as experts in this art that cuprammonium sulphate and caustic soda have been used for years in the treating of textile fabrics.

The allowed claims 6, 7, 10, and 11 recite specifically the conditions emphasized by the applicants as being critical.

The Examiner rejected appealed claims 1, 2, and 5, which do not include the critical conditions, on certain prior art and for the further reason that the claims, the sole novelty of which resides in a functional limitation, were vague and indefinite. Upon appeal, the Board affirmed the action of the Examiner in rejecting said claims 1, 2, and 5 for substantially the same reasons. Upon reconsideration, the Board adhered to its former opinion and went into somewhat more detail in its rejection on the references. The concluding sentence of this latter opinion states: "The Examiner's action is therefore again affirmed for the reasons herein and heretofore given."

From the aforesaid decisions of the Board, appellants have appealed to this court.

We regard claim 1 as illustrative of the three claims on appeal. It follows:

> 1. A method of pre-shrinking and finishing cellulosic textile fabric, consisting in padding the same with copper sulphate, subjecting the padded cloth to a bath containing caustic soda and ammonia, removing excess alkali, setting the fibre by means of acid, and removing the excess acid, *the strength and temperature of said baths and the time of treatment being so adjusted that substantial solubilizing of the fiber is avoided.* [Italics ours.]

The italicized language in the above-quoted claim (which language also appears in the other appealed claims) is the only attempt to define the critical conditions and this, as is apparent, is done solely in terms of result or function. Claims 2 and 5 have the additional limitation of "stentering the fabric to a width not substantially greater than its original width" and claim 5 additionally specifies the functional effect of the alkali treatment "to swell the

fibre" and the subsequent acid bath for "deflating and setting the fibre."

In view of our conclusion it becomes unnecessary to either cite or discuss the prior art.

The Examiner in his statement said that if the appealed claims involved any novelty over the references cited, it would reside solely in the above-italicized functional limitation. Appellants have pointed out that there is a difference between their invention and the inventions of the references other than that of the novelty of the said functional clause. They do not urge, however, that such slight differences as they have called attention to, of themselves lend patentability to the claims. Appellants also differ with the holding of the Examiner in that they insist that the phrase "stentering the fabric to a width not substantially greater than its original width" in claims 2 and 5 relates to a step which accomplishes important objectives, and that such step of stentering, limited as it is in the claims, is not found in the prior art. Appellants do not urge, however, that the prior art does not show stentering of the fabric in a process quite similar to that here involved.

It is pointed out in the brief of the Solicitor for the Patent Office that stentering is old in the art. He does not state, however, that the exact degree of stentering called for by claims 2 and 5 is shown in the prior art. The Solicitor states that the appellants did not raise this question before the Examiner or the Board and that this fact accounts for the failure of the Board and the Examiner to make mention of it. He further points out that appellants have not called attention to this fact in the reasons of appeal and also argues that this feature could not possibly lend patentability to the claims. Appellants do not refute said statement of the Solicitor except they contend that some of the general reasons of appeal would properly raise the question.

Assuming, without deciding, that appellants' reasons of appeal sufficiently present the question, it is, we think, proper to say that stentering of the degree called for in claims 2 and 5 would not lend patentability to otherwise unpatentable claims. And so, upon this record, the question presented to us is whether the sole patentable novelty in the process claims at bar can rest alone in the said functional statement.

It is to be noted that the functional statement in each of the appealed claims is as follows:

> the strength and temperature of said baths and the time of treatment being so adjusted that substantial solubilizing of the fibre is avoided.

and that it calls for such a strength, temperature of the baths and time of treatment as will avoid "substantial solubilizing" (dissolving of the fibres).

We observe that the Examiner calls attention to the fact that the said functional phrase first found its way into the application by way of amendment and that nothing is said in the original specification or claims on the subject of solubilizing.

The Examiner said:

> • • • If claims 1, 2, and 5 present any novelty over these references [citing the prior art], it resides solely in the functional limitation quoted above. But in these claims applicants appear to make their steps dependent on the result rather than the result dependent upon the steps. It is well established that if the sole novelty of a claim resides in a functional limitation that the claim is vague and indefinite. *Ex parte Pacholder*, 1890 C. D. 55, and particularly *In re Count [Caunt]*, 465, O. G. 461; 23 C. C. P. A. 855; 81 F.(2d) 405; 1936 C. D. 205.
>
> What are the actual and decisive conditions in applicants' process are not defined in the functional clause. The worker skilled in the art in order to practice the process of claims 1, 2, and 5 would have to resort to lengthy experimentation to determine what the critical conditions are. They certainly are not pointed out in these claims. Applicants state page 1, next to the last paragraph that it required extensive experimentation on their part to determine the critical conditions.

On this phase of the case the Board in its original decision said:

> • • • Moreover, we agree with the Examiner that the concluding clause of each claim, which is primarily relied on to distinguish from the prior art, is highly functional and little more than an invitation to experiment.

Upon request for reconsideration, the Board rendered a second decision and without discussing this particular phase of the case said:

> We have given the arguments presented careful consideration but are still unable to see that the appealed claims patentably define over the art relied upon.
>
> The Examiner's action is therefore again affirmed for the reasons herein and heretofore given.

We are in agreement with the tribunals below that under the circumstances at bar appellants cannot rely on said functional statement lending patentability to the claims which are otherwise unpatentable. We agree with the Board of Appeals that the said functional statement attempts to cover appellants' real invention by stating results rather than conditions and leaves it open to subsequent workers in the art to experiment on the strength and temperatures of the baths and the time of treatment so as to accomplish the desirable results although they say such results flow from certain stated critical strengths and temperatures of the baths and the time of treatment in the process. Appellants have obtained the allowance of claims specifically defining their invention. They now seek to obtain claims which do not mark the limits of the invention and which, in our opinion do not comply with the statutory requirements relating to such subject matter.

It is not necessary to review the abundance of authority which clearly supports the conclusions of the tribunals below. We think that the case of *In re Caunt*, 23 C. C. P. A. (Patents) 855, 81 F.(2d) 405, 465 O. G. 461, decided by this court, is apposite and points out the fallacy of appellants' contention here. The process in that case was for carbonizing solid carbonizable material in a retort. One of the claims of the application read:

> 21. In the process of carbonizing solid carbonizable material in a retort, the steps comprising supplying the material to the retort, *applying heat thereto at such temperature and moving the retort relative to the material at such speed as to carbonize the material and to form a core of adherent coked material extending throughout a substantial portion of the length of the retort and independent of the retort wall.* [Italics ours.]

There the functional limitation in the claim was relied upon as imparting patentability to the claim. We there said:

> It seems to us, as it evidently did to the tribunals of the Patent Office, that appellant makes his steps dependent upon the result obtained rather than the result dependent upon the steps. In no one of his claims is there recited a speed of rotation and in only claim 39 is any specific temperature mentioned.
>
> The claims teach nothing more than that to obtain a certain result heat must be supplied at some temperature and the retort rotated at some speed. Supplying some temperature to material and rotating the retort at some speed is old in the art. At most, appellant only teaches a different result. He obtains a coke product in the form of a core, where others obtain it in the form of balls.
>
> When appellant's result is disregarded and his steps alone are looked to, the claims which, as so often has been declared, constitute the measure of the invention, teach the art nothing new.
>
> If appellant does produce something different from the article produced by Wisner's process, it would seem, as is, in effect, said by the Board, that it must be due to some step different from Wisner's steps. Had appellant disclosed and claimed such a step, a different question would be presented, but no such step, as a step, is claimed.
>
> Reduced to the final analysis, the case presents itself to us as though one were saying to the public, "if you would obtain a core of coke of the kind described, apply the proper temperatures and rotate the retort at the proper speeds; you must determine for yourself what are proper temperatures and proper speeds. At least, I do not, in my claim, teach or disclose them. I have found that the result can be obtained, however, and I claim a method patent based upon that result without claiming any step, which, as a step, I distinguish from those steps already taught and used by others in producing coke in a different form."
>
> It is not meant to suggest that there is anything improper in stating the result in the claims, but we do not think the public may properly be remitted solely to the result, in order to determine what the actual and decisive step or steps may be.
>
> Whether one skilled in the art could so determine, we do not undertake to say, but should such be the case, then it is not improper to remark that invention would seem to be lacking.
>
> • • • • • •
>
> • • • The question here is not one of infringement, but one of whether the claims distinguish from the prior art in a manner which makes proper the grant of a patent.
>
> Section 4888 R. S.; 35 U. S. C. A. 33, provides that the inventor shall not only file "a written description" of his invention and discovery but that "he shall particularly point out and *distinctly claim* the part, improvement, or combination which he claims as his invention or discovery." [Language italicized by the court in the opinion quoted from.]
>
> As has been indicated, the only actual steps here emphasized (the result being disregarded as we think it must be) which appellant "distinctly claims," are the broad steps of applying temperature, and rotating the retort at some speed (not defined except as it may be implicit in the disregarded result) and these are steps old in the art. • • •

We think the above statement is the law applicable to this case. The claims do not comply with the requirements of the statute in that they fail to teach the art a new, patentable discovery, but merely vaguely and indefinitely suggest a course of action to workers in the art whereby, if the proper conditions were discovered, followed and applied, desirable results would be obtained. See also *In re Stack*, 24 C. C. P. A. (Patents) 836, 87 F.(2d) 210, 479 O. G. 997.

As supporting the position of the decisions of the tribunals below, the following cases are cited by the Solicitor: *In re Allen, Jr.*, 28 C. C. P. A. (Patents) 794, 115 F.(2d) 936, 526 O. G. 576; *In re Andrus*, 28 C. C. P. A. (Patents) 1113, 530 O. G. 268, 119 F.(2d) 428; and *Minnesota Mining & Mfg. Co.* v. *Coe*, 72 App. D. C. 183, 113 F.(2d) 512, 519 O. G. 519. While the last three above-cited cases tend to support the position of the Patent Office, the facts and circumstances involved therein differ to a considerable degree from those at bar.

Being of the opinion that the appealed claims, in respects with which we are here concerned are too vague and indefinite to comply with the patent laws, we find ourselves in agreement with the decision of the Board of Appeals and the same is affirmed.

Affirmed.

Disclaimers

2,206,888.—*Charles T. Greenidge*, Columbus, Ohio. METHOD OF CONTINUOUS METAL CASTING. Patent dated July 9, 1940. Disclaimer filed March 3, 1942, by the assignees, *Edward R. Williams* and *Julia Lee Cox Williams*.

Hereby enter this disclaimer to claim 1 of said patent.

2,214,064.—*Joseph A. Niles*, Tulsa, Okla. OIL PRODUCTION. Patent dated September 10, 1940. Disclaimer filed February 25, 1942, by the assignee, *Stanolind Oil and Gas Company*.

Hereby enters this disclaimer to claims 1, 2, 3, and 4, in said specification.

2,217,021.—*Joseph Klepac*, Grand Haven, Mich. PIANO STRING PLATE CONSTRUCTION. Patent dated October 8, 1940. Disclaimer filed February 25, 1942, by the assignee, *Story & Clark Piano Co.*

Hereby enters this disclaimer to claims 11, 12, and 13, in said specification.

2,246,332.—*Joseph O. Whiteley, Jr.*, York, Pa. PROCESS OF PRODUCING MOLDED ARTICLES. Patent dated June 17, 1941. Disclaimer filed January 28, 1942, by the inventor; the assignee, *The Dentists' Supply Company of New York*, consenting.

Hereby disclaims the following words on page 1, second column, lines 50 to 52, inclusive—

"Some of these solutions are ether-alcohol, turpentine-alcohol, carbon tetrachloride-alcohol."

and disclaims claims 1, 2, 3, 4, 6, and 7.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,233,077, C. P. Gillespie, et al., Well-controlling apparatus, decided February 26, 1942, claims 4 and 7.

Pat. 2,205,208, Erwin Kübler, Rectifier system, decided February 25, 1942, claim 3.

Notice

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(Ct. Cl.) Reed patent, No. 1,463,556, for aeronautical propeller, claims 1–4 and 13 *Held* invalid and if valid *Held* not infringed. *Reed Propeller Co.* v. *U. S.*, 42 F. Supp. 545.

(Ct. Cl.) Reed patent, No. 1,518,410, for aeronautical propeller, claims 1, 5, 14, 15, and 16 *Held* invalid and if valid *Held* not infringed, claims 11, 12, and 13 *Held* invalid. *Id.*

(C. C. A. Mass.) Nichols patent, No. 1,647,710, for portable electrocardiograph, *Held* invalid. *Nichols* v. *Sanborn Co.*, 124 F.(2d) 654.

(C. C. A. Mass.) Nichols patent, No. 1,888,139, for interference eliminator, *Held* not infringed. *Id.*

(D. C. N. Y.) Lee and Kaufmann patent, No. 2,002,638, for traveling bag, *Held* not infringed. *K. Kaufmann & Co.* v. *Leitman*, 42 F. Supp. 417.

(C. C. A. N. Y.) Gollwitzer patent, No. 2,030,865, for address plate, claims 1, 3, 13, and 14 *Held* not infringed. *Addressograph-Multigraph Corporation* v. *Staudt*, 124 F.(2d) 672.

(C. C. A. Ill.) Bellah reissue patent, No. 20,698, for game apparatus, claims 3, 13, and 15 *Held* valid and infringed. *Chicago Patent Corporation* v. *Genco, Inc.*, 124 F.(2d) 725.

(C. C. A. Ill.) Orr reissue patent, No. 21,274, for electric cutter and trimmer, claims 5 and 7 *Held* invalid. *Orr* v. *Skilsaw, Inc.*, 124 F.(2d) 751.

(C. C. A. Ill.) Orr reissue patent, No. 21,289, for grass cutter and hedge trimmer, claims 3, 4, and 7 *Held* invalid. *Id.*

(C. C. A. Ill.) Seibert and Williams design patent, No. 102,517, for design for a grave marker, *Held* invalid and if valid *Held* infringed. *Jas. H. Matthews & Co.* v. *Bronze, Inc.*, 124 F.(2d) 770.

(C. C. A. Ill.) Seibert & Williams design patent, No. 102,518, for design for a grave marker, *Held* invalid and if valid *Held* infringed. *Id.*

Cross-References in Cases Relating to Same Subject

RULE 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the office in separate letters.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 24, 1942

[VOL. 536. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 449,385. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Dec. 11, 1941.

Shocking de Schiaparelli

The mark "Schiaparelli" comprises the autographic surname signature of Elsa Schiaparelli, president of applicant corporation.

FOR BATH SPONGES.

Claims use since July 10, 1937.

Ser. No. 449,527. E. W. MCLELLAN CO., San Francisco, Calif. Filed Dec. 16, 1941.

Tailored

FOR REAL FLOWERS.

Claims use since Aug. 12, 1941.

Ser. No. 450,018. THE MEAD CORPORATION, Chillicothe, Ohio. Filed Jan. 6, 1942.

MEADOL

FOR RESINOUS MATERIAL.

Claims use since Nov. 5, 1937.

Ser. No. 450,075. NORTHRUP, KING & Co., doing business as Westland Seed Company, Berkeley, Calif. Filed Jan. 8, 1942.

Sierra

FOR FIELD AND GARDEN SEEDS AND FARM AND GRASS SEEDS.

Claims use since August, 1938.

Ser. No. 450,213. SHOE COVERS CORPORATION, New York, N. Y. Filed Jan. 14, 1942.

SPRAYLAT

FOR RUBBER OR LATEX IN SOLUTION OR AQUEOUS SUSPENSION, FOR USE IN THE PROCESS OF SHOE MANUFACTURING.

Claims use since June, 1939.

Ser. No. 450,328. MAX BRILL SONS, INC., New York, N. Y. Filed Jan. 20, 1942.

STOWAY

FOR FINISHED AND PARTLY FINISHED PREPARED LEATHERS, USED IN THE MANUFACTURE OF HANDBAGS.

Claims use since Jan. 2, 1940.

Ser. No. 450,380. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 21, 1942.

CHALLENGE

FOR GENERAL PURPOSE BLEACHED COTTON.
Claims use since July 9, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 428,635. JOSEPH C. SHEPARD, Wilmington, N. C. Filed Feb. 17, 1940.

"EEE-ZEE-WASH"

The word "Wash" is disclaimed apart from the mark.
FOR WASHING POWDER FOR CLEANING DISHES, DAIRY UTENSILS, BOTTLES, AND THE LIKE.
Claims use since Dec. 31, 1937.

Ser. No. 445,088. DOUBLE DUTY PRODUCTS, INC., doing business as Safeway Chemical Company, Cleveland, Ohio. Filed July 5, 1941.

Safeway

FOR CLEANSING FLUIDS FOR THE REMOVAL OF SPOTS, ETC. FROM FABRICS AND THE LIKE AND FOR THE CLEANING OF GLASS SURFACES AND THE LIKE
Claims use since July, 1934.

Ser. No. 448,723. JOSEPH CONTRINO, doing business as Dixie White Washing Fluid Co., Newark, N. J. Filed Nov. 18, 1941.

Dixie White



Applicant disclaims the word "White" apart from the mark.
FOR WASHING AND CLEANING PREPARATION HAVING INCIDENTAL DISINFECTANT PROPERTIES.
Claims use since Sept. 1, 1937.

Ser. No. 449,794. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Dec. 27, 1941.

LEATHEROL

FOR PREPARATION FOR PRESERVING LEATHER.
Claims use since Dec. 15, 1941.

Ser. No. 449,831. H. R. DAVI, doing business as H. R. Davi Company, Oakland, Calif. Filed Dec. 29, 1941.

MIRACLE FOAM

No claim is made to the word "Foam" apart from the mark.
FOR CLEANING PREPARATION FOR RUGS, FURNITURE, AUTOMOBILE AND FURNITURE UPHOLSTERY AND FOR GENERAL HOUSEHOLD USE.
Claims use since Feb. 5, 1933

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 446,955. PERSONAL APPEARANCE, INC., Provincetown, Mass. Filed Sept. 10, 1941.

BAYBERRY MIST

No claim is made to the word "Bayberry" alone as a trade-mark.
FOR COLOGNE AND TOILET WATER.
Claims use since June 1, 1941.

Ser. No. 450,011. FULD BROS., Baltimore, Md. Filed Jan. 6, 1942.

Full Defense

FOR DISINFECTANTS.
Claims use since November, 1941.

Ser. No. 450,243. PARFUM L'ORLE, INC., New York, N. Y. Filed Jan. 15, 1942.

DUFFLE-BAG

FOR DEODORIZING FRESHENER FOR PERSONAL USE.
Claims use since Dec. 17, 1941.

Ser. No. 450,782. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

ANOVO

FOR TONIC USED IN THE TREATMENT OF HYPOTENSION AND ASTHENIA.
Claims use since Oct. 19, 1936.

Ser. No. 450,783. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

BARBISODITE

FOR PREPARATION FOR USE IN CONTROLLING HYPERTENSION.
Claims use since Sept. 3, 1935.

Ser. No. 450,784. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

Enterdigalis

FOR PREPARATION OF DIGITALIS FOR USE IN THE TREATMENT OF CARDIAC CONDITIONS REQUIRING DIGITALIS.
Claims use since Feb. 3, 1936.

Ser. No. 450,785. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

PHENALCO

FOR ANTISEPTIC AND GERMICIDE.
Claims use since Mar. 12, 1935.

Ser. No. 450,787. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

PROPALCAIN

FOR PHARMACEUTICAL PREPARATION FOR RECTAL ANESTHESIA.
Claims use since Aug. 22, 1939.

Ser. No. 450,834. GOURIELLI, INC., New York, N. Y. Filed Feb. 7, 1942.

DREAM PRINCESS

FOR PERFUMES.
Claims use since Jan. 29, 1942.

Ser. No. 450,872. WISHNICK-TUMPEER, INC., Chicago, Ill. Filed Feb. 9, 1942.

WITCARB

FOR PRECIPITATED CALCIUM CARBONATE.
Claims use since September, 1940.

Ser. No. 450,874. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed Feb. 10, 1942.

Theodigital

FOR THEOBROMINE AND DIGITALIS PREPARATION IN TABLET FORM INDICATED IN HEART CONDITIONS.
Claims use since Oct. 9, 1935.

Ser. No. 450,893. F. D. BUXTON, INCORPORATED, Baltimore, Md. Filed Feb. 11, 1942.

CALPANATE

FOR MEDICINAL DRUG IN THE VITAMINE FIELD.
Claims use since Feb. 6, 1942.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 450,375. O'NEIL, KEITH AND HOPKINS, Spokane, Wash. Filed Jan. 21, 1942.

O. K. H.

FOR CARTRIDGES.
Claims use since Jan. 1, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 439,775. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Jan. 18, 1941.

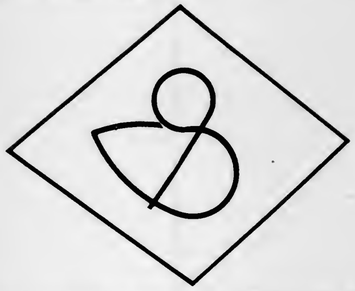
ANCHORFAST

FOR NAILS FOR BOATS, PARTICULARLY THOSE MADE OF NICKEL-COPPER ALLOYS.
Claims use since Nov. 12, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 446,150. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Aug. 11, 1941.



FOR DIE CASTINGS OF NON-FERROUS METAL PRINCIPALLY OF ALUMINUM ALLOYS.
Claims use since Jan. 1, 1923.

Ser. No. 450,322. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y. Filed Jan. 19, 1942.

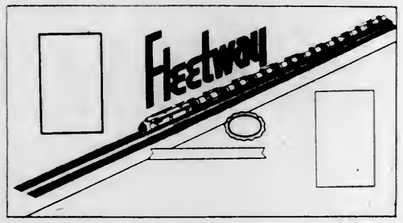
TINTITE

FOR NON-FERROUS ALLOY.
Claims use since March, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 449,797. FLEET OIL COMPANY, Lafollette, Tenn. Filed Dec. 27, 1941.



No claim is made to the representation of the label per se.
FOR GASOLINE AND MOTOR OILS.
Claims use since Mar. 20, 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 448,857. FARBOIL PAINT COMPANY, INC., Baltimore, Md. Filed Nov. 24, 1941.

"NU-ROOM"

FOR WALL PAPER COATING COMPOSITION IN THE NATURE OF A PAINT, VARNISH, OR ENAMEL.
Claims use since June 10, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 449,743. ROTH TOBACCO COMPANY, Cape Girardeau, Mo. Filed Dec. 24, 1941.



The drawing is lined for red.
FOR PLUG TOBACCO.
Claims use since Nov. 15, 1915.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 439,328. THE ART METAL COMPANY, Cleveland, Ohio. Filed Jan. 2, 1941.

ART METAL

No claim is made to the word "Metal" apart from the mark.
FOR ELECTRIC LIGHTING FIXTURES.
Claims use since 1933.

Ser. No. 441,723. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed Mar. 20, 1941.

SOUND CELL

FOR MICROPHONES.
Claims use since Nov. 1, 1932.

Ser. No. 449,110. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 2, 1941.

CONDENS-O-WELD

FOR CONTROL APPARATUS FOR ELECTRIC WELDERS.
Claims use since Oct. 25, 1941.

Ser. No. 449,459. KISCO COMPANY, INC., St. Louis, Mo. Filed Dec. 13, 1941.

CIRCULAIR

"Successor to the Fan"

The word "Fan" is disclaimed apart from the mark.
FOR CIRCULATOR FAN ASSEMBLIES.
Claims use since Feb. 15, 1940.

Ser. No. 449,477. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Dec. 15, 1941.

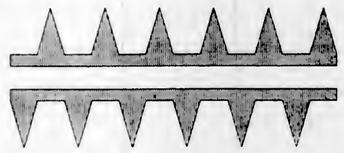
LITEWAY

FOR ELECTRIC LIGHTING FIXTURES—NAMELY, FLUORESCENT COMMERCIAL FIXTURES.
Claims use since Dec. 2, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 450,272. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Jan. 17, 1942.



The drawing is lined for red.
FOR BOWLING PINS.
Claims use since June 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 441,793. THREADWELL TAP & DIE COMPANY, Greenfield, Mass. Filed Mar. 21, 1941.



THREADWELL

The drawing is lined for red. No claim is made to the word "Threadwell" except to indicate the relation of the red dot to the word.
FOR HIGH SPEED CUT THREAD TAPS.
Claims use since October, 1940.

Ser. No. 441,794. THREADWELL TAP & DIE COMPANY, Greenfield, Mass. Filed Mar. 21, 1941.

White

THREADWELL

No claim is made to the word "Threadwell" except to indicate the relation of the white dot to the word. The word "White" and its lead line are disclaimed.
FOR HIGH SPEED COMMERCIAL GROUND THREAD TAPS.
Claims use since October, 1940.

Ser. No. 441,795. THREADWELL TAP & DIE COMPANY, Greenfield, Mass. Filed Mar. 21, 1941.



THREADWELL

The drawing is lined for blue. No claim is made to the word "Threadwell" except to indicate the relation of the blue dot to the word.
FOR HIGH SPEED PRECISION GROUND THREAD TAPS.
Claims use since October, 1940.

Ser. No. 443,324. THE DURIRON COMPANY, INC., Dayton, Ohio. Filed May 7, 1941.

DURCOPUMP

FOR PUMPS FOR HANDLING CORROSIVE LIQUORS.
Claims use since Apr. 29, 1941.

Ser. No 446,259. KARL F. BERGER, doing business as Berger Manufacturing Company, Bridgeport, Conn. Filed Aug. 15, 1941.



FOR HAND OPERATED TAPPING MACHINES FOR CUTTING INTERNAL SCREW THREADS.
Claims use since July 29, 1941.

Ser. No. 448,706. PENBERTHY INJECTOR COMPANY, Detroit, Mich. Filed Nov. 17, 1941.

PENBERTHY PRODUCTS

The word "Products" is disclaimed apart from the mark.
FOR ELECTRIC SUMP PUMPS.
Claims use since February, 1928.

Ser. No. 448,719. BOUND BROOK OIL-LESS BEARING COMPANY, Boundbrook, N. J. Filed Nov. 18, 1941.

OIL-RETAINING COMPO POROUS BRONZE

No claim is made to any of the words, "Compo" excepted, apart from the mark.
FOR MACHINERY BEARINGS, BUSHINGS FOR MECHANICAL WORKING JOINTS AND MACHINE PARTS INCLUDING PISTONS, VALVE STEM GUIDES, POROUS BRONZE PLUGS, TOGGLE PINS, FILTER ELEMENTS, SLIDES, GEARS, POROUS BRONZE RINGS, END PLATES, THRUST WASHERS, POROUS BRONZE RETAINERS, AND SIMILAR PARTS OF POROUS BRONZE FOR BEARING SURFACES.
Claims use since Oct. 1, 1941.

Ser. No. 449,024. LANDON P. SMITH, INC., Irvington, N. J. Filed Nov. 28, 1941.

Red Devil

FOR UNITARY KITS INCLUDING AN ASSEMBLY OF GLASS CUTTERS, PUTTY KNIVES, WALL SCRAPERS, AND SCRAPERS FOR GENERAL PURPOSES, USED BY PAINTERS, GLAZIERS, AND THE LIKE.
Claims use since Oct. 1, 1940.

Ser. No. 449,278. HOLLY MOLDING DEVICES, Chicago, Ill. Filed Dec. 8, 1941.

ESQUIRE

FOR HAMBURGER MOLDING MACHINES.
Claims use since Oct. 27, 1941.

Ser. No. 449,337. THE CINCINNATI BALL CRANK CO., Cincinnati, Ohio. Filed Dec. 10, 1941.

CARPET OF VELVET

FOR LUBRICATION EQUIPMENT—NAMELY, LUBRICATOR WALL BATTERIES, PORTABLE AND STATIONARY BARREL PUMPS, OIL DRAINS, GREASE AND LUBRICANT HOSE ROLLS.
Claims use since Mar. 17, 1941.

Ser. No. 449,706. THOMPSON PRODUCTS, INCORPORATED, Cleveland, Ohio. Filed Dec. 22, 1941.

MAGNALINER

FOR VEHICLE WHEEL ALIGNING DEVICES FOR SHOP SERVICE.
Claims use since Apr. 14, 1941.

Ser. No. 449,723. INGERSOLL-RAND COMPANY, New York, N. Y. Filed Dec. 23, 1941.



No claim is made to the words "Air" or "Power" apart from the mark. The drawing is lined for blue, red, and yellow.
FOR PORTABLE GAS COMPRESSORS.
Claims use since Jan. 13, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 448,883. THE UNIVIS LENS COMPANY, Dayton, Ohio. Filed Nov. 24, 1941.



The words "Vision" and "Efficiency" are disclaimed apart from the mark.
FOR OPHTHALMIC LENS BLANKS AND EYEGLASS LENSES.
Claims use since Apr. 10, 1940.

Ser. No. 450,215. UNITED PRECISION PRODUCTS CO., Chicago, Ill. Filed Jan. 14, 1942.

DUBLIFE

FOR PLUG GAUGES AND PARTS THEREFOR.
Claims use since July 1, 1936.

Ser. No. 450,216. UNITED PRECISION PRODUCTS CO., Chicago, Ill. Filed Jan. 14, 1942.



FOR PLUG GAUGES AND PARTS THEREFOR.
Claims use since Jan. 1, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 447,358. CAROL JEWELRY COMPANY, INC., New York, N. Y. Filed Sept. 27, 1941.

CAROL

FOR WATCH CASES, WATCHES, AND WATCH MOVEMENTS.
Claims use since Mar. 1, 1941.

Ser. No. 449,164. PAUL WYLER, Forest Hills, N. Y. Filed Dec. 3, 1941.

Wyco

FOR WATCHES CASED AND UNCASED.
Claims use since January, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 443,096. WILLIAM LESTER WEBBER, Vancouver, British Columbia, Canada. Filed Apr. 29, 1941.



FOR JEWELRY USED FOR PERSONAL WEAR—NAMELY, RINGS, BROOCHES, AND BRACELETS
Claims use since July 25, 1938.

Ser. No. 449,344. JACOBY-BENDER, INC., New York, N. Y. Filed Dec. 10, 1941.



FOR MEN'S AND LADIES' BRACELETS AND WATCH BRACELETS SOLD SEPARATELY FROM THE WATCHES.
Claims use since January, 1937.

Ser. No. 450,103. KUSHNER & PINES, INC., New York, N. Y. Filed Jan. 9, 1942.



No claim is made to the word "Ring" and to the representation of the goods apart from the mark.
FOR FINGER RINGS.
Claims use since Dec. 15, 1941.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 448,654. MABEL CUMBOW RUSKIN, doing business as Cumbow China Decorating Company, Abingdon, Va. Filed Nov. 14, 1941.

Cumbow

FOR CERAMIC TABLE AND COOKING WARE, VASES, JARS, JUGS, JARDINIERES, CROCKS, CUSPIDORS, AND FLOWER POTS.
Claims use since January, 1933.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 450,382. UNITED COMMERCIAL SALES CO., Los Angeles, Calif. Filed Jan. 21, 1942.

COLDEW

FOR REFRIGERATORS.
Claims use since Sept. 1, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 442,391. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 8, 1941.



The drawing is lined for red, but coloring is disclaimed.
FOR GAS WATER HEATERS.
Claims use since Dec. 28, 1939.

Ser. No. 450,465. THE WILDER MANUFACTURING CO., Niles, Ohio. Filed Jan. 24, 1942.



FOR DRAFT DIVERTERS FOR HOT WATER HEATERS, GAS FURNACES, AND UNIT HEATERS.
Claims use since May 15, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 444,351. LYONS BAND INSTRUMENT COMPANY, Chicago, Ill. Filed June 9, 1941.

LYONS

MONARCH

The word "Lyons" is disclaimed apart from the mark.
FOR BAND AND ORCHESTRA MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, HORNS, MELLOPHONES, BASSES, TUBAS, CLARINETS, OBOES, BASSOONS, FLUTES, PICCOLOS, SAXOPHONES, CELLOS, VIOLAS, VIOLINS, AND ACCESSORIES FOR SAID INSTRUMENTS.
Claims use since May 1, 1933.

CLASS 37

PAPER AND STATIONERY

Ser. No. 439,823. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Jan. 21, 1941.

SEALING LINE

The word "Sealing" is disclaimed apart from the mark.
FOR GUMMED PAPER TAPE.
Claims use since May 1, 1940.

Ser. No. 446,629. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Aug. 28, 1941.

Serv-A-Wax

The word "Wax" is disclaimed apart from the mark.
FOR WAXED PAPER.
Claims use since Aug. 4, 1941.

Ser. No. 449,338. FABRIZUE SUISSE DE CRAYONS CARAN D'ACHE, S. A., Geneva, Switzerland. Filed Dec. 10, 1941.

FIXPENCIL

FOR MECHANICAL PENCILS, LEAD-HOLDERS, PENCIL-LEADS, BLACK, COLOURED, COPYING AND INDELIBLE PENCILS.
Claims use since 1930.

Ser. No. 449,458. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Dec. 13, 1941.



The word "Fibre" is disclaimed apart from the mark.
FOR WRAPPING PAPER.
Claims use since Oct. 15, 1941.

Ser. No. 449,722. CRITERION PAPER & TWINE COMPANY, New York, N. Y. Filed Dec. 23, 1941.



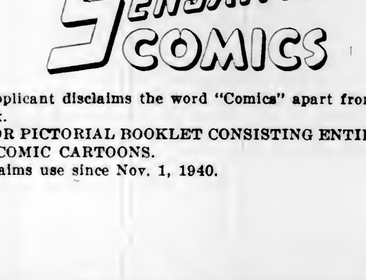
FOR PAPER, PARTICULARLY ROUGH WRAPPING PAPER, TISSUE PAPER, AND GUMMED PAPER.
Claims use since Dec. 3, 1941.

Ser. No. 449,885. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 31, 1941. Under section 5b of the act of 1905 as amended in 1920.

Bradley's

FOR BLACKBOARD ERASERS.
Claims use since Sept. 2, 1925.

Ser. No. 450,074. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 8, 1942.



No claim is made to the words "Weatherproof" and "Offset" apart from the mark.
FOR OFFSET PAPER IN ROLLS.
Claims use since Nov. 1, 1941.

Ser. No. 450,242. NATIONAL ARTIST MATERIALS COMPANY, INC., New York, N. Y. Filed Jan. 15, 1942.



FOR PHOTO MAT-MOUNTS, ARTIST ILLUSTRATION BOARD, MOUNTING BOARD, PORTFOLIOS, AND PAPER PADS.
Claims use since July, 1937.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 438,927. M. CHARLES GAINES, New York, N. Y., assignor to Jesse Gaines and Rose Liebowitz, doing business as J. R. Publishing Company, New York, N. Y. Filed Dec. 17, 1940.



Applicant disclaims the word "Comics" apart from the mark.
FOR PICTORIAL BOOKLET CONSISTING ENTIRELY OF COMIC CARTOONS.
Claims use since Nov. 1, 1940.

CLASS 39

CLOTHING

Ser. No. 445,968. M. & W. THOMAS CORPORATION, New York, N. Y. Filed Aug. 4, 1941.



FOR NECKTIES.
Claims use since December, 1940.

Ser. No. 448,245. M. C. COWAN AND COMPANY LIMITED, Toronto, Ontario, Canada. Filed Oct. 30, 1941.

LAVOWEL

FOR MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC GLOVES.
Claims use since Aug. 23, 1941.

Ser. No. 448,417. LORETTA HAIRNETS INC., New York, N. Y. Filed Nov. 5, 1941.

ELVETTA

FOR HAIRNETS.
Claims use since Oct. 15, 1941.

Ser. No. 449,194. THE SELBY SHOE COMPANY, Portsmouth, Ohio. Filed Dec. 4, 1941.

NATIVES

FOR SHOES MADE FROM LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF THESE MATERIALS.
Claims use since April, 1939.

Ser. No. 450,023. RASMUSSEN SHOE COMPANY, Westboro, Mass. Filed Jan. 6, 1942.

the genka

FOR LEATHER SHOES FOR MEN, WOMEN, AND CHILDREN.
Claims use since Dec. 12, 1941.

Ser. No. 450,117. SAKS & COMPANY, New York, N. Y. Filed Jan. 9, 1942.

Dittos

FOR MISSES' AND WOMEN'S GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Nov. 10, 1941.

Ser. No. 450,162. THE JULIAN & KOKENGE CO., Columbus, Ohio. Filed Jan. 12, 1942.

WELT-FLEX

No claim is made to the word "Welt" apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC, OR A COMBINATION OF THESE MATERIALS.
Claims use since August, 1939.

Ser. No. 450,284. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Jan. 17, 1942.

RESISTOFLEX

FOR GLOVES AND APRONS MADE IN WHOLE OR IN PART OF POLYVINYL ALCOHOL FOR SHOP, INDUSTRIAL, LABORATORY AND HOUSEHOLD USE, IN THE HANDLING OF AND FOR PROTECTION OF THE PERSON AGAINST OILS, HYDROCARBON FUELS AND ORGANIC SOLVENTS.
Claims use since Jan. 14, 1940.

Ser. No. 450,578. WOLFE & LANG, INC., New York, N. Y. Filed Jan. 29, 1942.

YOUTH MUST BE CURVED

FOR GIRDLES AND CORSETS.
Claims use since Jan. 5, 1942.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 449,573. GEMEX COMPANY, Newark, N. J. Filed Dec. 18, 1941.

PONTIAC

FOR WRIST WATCH STRAPS OF LEATHER OR FABRIC; APPAREL BUCKLES AND COLLAR AND CUFF BUTTONS MADE OF NON-PRECIOUS METAL.
Claims use since Dec. 2, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 445,403. AMBASSADOR COMPANY, New York, N. Y. Filed July 17, 1941.

MOUNTAIN-AIR FABRIC

No claim is made to the word "Fabric" apart from the mark.
FOR PIECE GOODS OF WOOLEN, WORSTED, COTTON, AND RAYON.
Claims use since Apr. 1, 1932.

Ser. No. 446,753. THE ESMOND MILLS, INC., Village of Esmond, Town of Smithfield, R. I. Filed Sept. 3, 1941.

Sunnyspun

FOR BLANKETS.
Claims use since 1936.

Ser. No. 447,225. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Sept. 22, 1941.

Labtex

FOR SPUN RAYON FABRICS.
Claims use since Jan. 1, 1941.

Ser. No. 448,924. CLIFFORD R. SMITH, doing business as The Robert Company, Atlanta, Ga. Filed Nov. 25, 1941.

PERMA-FLUFF

The word "Fluff" is disclaimed apart from the mark.
FOR CHENILLE FABRICS.
Claims use since Nov. 21, 1941.

Ser. No. 449,365. AMERICAN SPECTATOR, INC., New York, N. Y. Filed Dec. 11, 1941.

SAND PIPER TWEED

The word "Tweed" is disclaimed apart from the mark.
FOR WOOLENS AND WORSTEDS PIECE GOODS.
Claims use since October, 1941.

Ser. No. 449,609. HOWARDS FIFTH AVE. INC., New York, N. Y. Filed Dec. 19, 1941.

STRATO-SHEER

The word "Sheer" is disclaimed apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, ACETATE, SILK AND COMBINATIONS THEREOF.
Claims use since September, 1941.

Ser. No. 449,828. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Yorkshire, England. Filed Dec. 29, 1941.

CONVALE

FOR TWEEDS, BEING TEXTILE PIECE GOODS.
Claims use since June 5, 1941.

Ser. No. 450,190. THE BARBIZON CORPORATION, New York, N. Y. Filed Jan. 14, 1942.

BONCLAIRE

FOR PIECE GOODS OF NYLON AND RAYON FABRICS.
Claims use since Dec. 1, 1941.

Ser. No. 450,277. HORNER WOOLEN MILLS COMPANY, Eaton Rapids, Mich. Filed Jan. 17, 1942.

HEALTHGLOW

FOR BLANKETS—NAMELY, COTTON AND WOOL BLANKETS, ALL WOOL BLANKETS, KNITTED BLANKETS, AND WOVEN BLANKETS.
Claims use since Jan. 9, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 449,321. HENRY M. HAENDEL, Brooklyn, N. Y. Filed Dec. 9, 1941.

CENTER-POISE

designed partials

No claim is made to the words "Designed partials."
FOR PARTIAL DENTURES, DENTAL BRIDGES, DENTAL CROWNS AND DENTAL PLATES.
Claims use since Dec. 3, 1941.

Ser. No. 450,325. ACME PROTECTION EQUIPMENT CO., INC., Pittsburgh, Pa. Filed Jan. 20, 1942.

ACME

FOR GAS MASKS, GAS MASK CANISTERS AND PARTS OF EACH
Claims use since Dec. 15, 1936.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 447,050. SUNWAY FRUIT PRODUCTS, doing business as Sunway Vitamin Company, Chicago, Ill. Filed Sept. 15, 1941.

SUNWAY

FOR FRUIT JUICES IN CRYSTAL FORM USED PRIMARILY AS A BEVERAGE BASE AND ADAPTED FOR USE IN MAKING BEVERAGES.
Claims use since August, 1937.

Ser. No. 449,580. KALAK WATER CO. OF NEW YORK, INC., Louisville, Ky., and New York, N. Y. Filed Dec. 18, 1941.

DEXALE

The drawing is lined for green. No claim is made to the syllable "Ale" except as shown.
FOR NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since Aug. 9, 1939.

CLASS 46

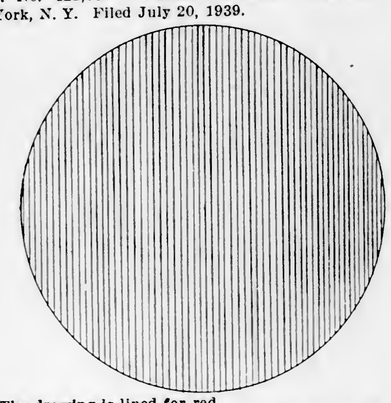
FOODS AND INGREDIENTS OF FOODS

Ser. No. 413,800. SOUTHERN DAIRIES, INC., doing business as Southern Dairies Laboratories, Washington, D. C. Filed Dec. 13, 1938.

DAIRY-SELTZ

Applicant disclaims the word "Dairy."
FOR EFFERVESCENT MILK DRINK.
Claims use since Nov. 22, 1938.

Ser. No. 421,786. STANDARD MILLING COMPANY, New York, N. Y. Filed July 20, 1939.



The drawing is lined for red.
FOR WHEAT FLOUR, RED DOG WHEAT FLOUR, WHEAT MIDDLINGS, WHEAT SCREENINGS, MIXED FEED FOR LIVE STOCK AND POULTRY, BRAN, CAKE FLOUR, BRAN FLOUR.
Claims use since 1890.

Ser. No. 430,408. JOE LOWE CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

SNOW SUGAR

Applicant disclaims the word "Sugar" apart from the mark.
FOR PREPARED POWDERY COATING OR DUSTING ADMIXTURE CONSISTING OF SUGAR AND SHORTENING WITH OR WITHOUT STARCH, FOR COATING DOUGHNUTS AND OTHER BAKERY PRODUCTS, SUCH AS CUP CAKES, CAKES OF ALL KINDS, PIES AND OTHER SIMILAR PRODUCTS, WHICH IS SOLD ONLY IN BULK OR WHOLESALE LOTS IN BARRELS, LARGE CONTAINERS, AND THE LIKE, TO COMMERCIAL BAKERS.
Claims use since Dec. 3, 1934.

Ser. No. 436,055. KELLOGG COMPANY, Battle Creek, Mich. Filed Sept. 17, 1940.

ATTA BOY

FOR LIVE STOCK FEED, POULTRY FEED AND MASH, AND FOOD FOR DOGS AND OTHER CARNIVOROUS ANIMALS.
Claims use since Mar. 19, 1923.

Ser. No. 444,481. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed June 12, 1941.



Applicant is the owner of trade-mark registration No. 26,043.
FOR FLAVORING EXTRACTS FOR FOOD PURPOSES, COCOA, PICKLES, CORN STARCH, COCOANUT, CANNED FRUITS, MUSTARD, JELLIES, COFFEE, MAYONNAISE, AND CATSUP.
Claims use on flavoring extracts for food purposes, since 1923; on cocoa, cornstarch and mustard, since 1933; on pickles, since 1931; on cocoanut, since 1936; on canned fruit, since 1907; on jellies, since 1934; on coffee, since 1913; on mayonnaise, since 1939; and on catsup, since 1935.

Ser. No. 445,160. SOUTH CAROLINA PEACH GROWERS ASSOCIATION, Spartanburg, S. C. Filed July 7, 1941.

CAROLINA GOLD

FOR CANNED AND PRESERVED PEACHES.
Claims use since July, 1940.

Ser. No. 446,817. SNIDER PACKING CORPORATION, Rochester, N. Y. Filed Sept. 5, 1941.



Applicant is owner of T. M. Reg. No. 235,770 effected under the 10-year proviso.
FOR CHILI SAUCE.
Claims use since September, 1938.

Ser. No. 447,374. THOMAS SLADE GORTON, JR., doing business as Slade Gorton Company, Chicago, Ill. Filed Sept. 27, 1941.

CHICKEN LEG

FOR SPECIALLY PREPARED WHITING FISH.
Clafms use since Sept. 1, 1939.

Ser. No. 448,509. GRIFFITH-DURNEY COMPANY OF WASHINGTON, Seattle, Wash. Filed Nov. 10, 1941.

NAKAT

FOR CANNED SALMON.
Claims use since 1915.

Ser. No. 449,328. RENNEX CORPORATION, New York N. Y. Filed Dec. 9, 1941.

RENNEX

FOR LIQUID OR POWDER RENNET PREPARATION USED IN THE MANUFACTURE OF CHEESE, DAIRY PRODUCTS ICE CREAM, AND PUDDING AND DESSERT PREPARATIONS.
Claims use since Apr. 15, 1941.

Ser. No. 449,401. W. H. GARVIN, doing business as United Marketing Exchange, Delta, Colo. Filed Dec. 3, 1941.

TOM-TOM

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 3, 1928.

Ser. No. 449,404. ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn. Filed Dec. 12, 1941.



The drawing is lined for red and blue. The word "Brand" is disclaimed.
FOR SOYBEAN FLOUR, LINSEED MEAL FOR LIVESTOCK FOOD, SOYBEAN OIL MEAL FOR LIVESTOCK FOOD, AND MIXED FEEDS FOR POULTRY AND LIVESTOCK.
Claims use since Dec. 1, 1936.

Ser. No. 449,826. CERTIFIED EXTRACTS, INC., New York, N. Y. Filed Dec. 29, 1941.

BAKEX

FOR IMITATION VANILLA FLAVOR FOR USE IN FOODS.
Claims use since Nov. 7, 1940.

Ser. No. 450,306. EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Oreg. Filed Jan. 19, 1942.

SUPER-SIX

FOR VEGETABLE JUICE COCKTAIL.
Claims use since Aug. 7, 1941.

Ser. No. 450,308. PETER P. GRUPCHEFF, Los Angeles, Calif. Filed Jan. 19, 1942.

BUL GOURT

FOR "BULGAR BACILLI," A CULTURED BACILLUS OR CULTURED MILK FOR HUMAN CONSUMPTION.
Claims use since Sept. 15, 1941.

Ser. No. 450,586. FLOTILL PRODUCTS, INCORPORATED, Stockton, Calif. Filed Jan. 30, 1942.

VITA-GIFT

FOR CANNED VEGETABLES.
Claims use since Jan. 4, 1942.

Ser. No. 450,775. ARMOUR AND COMPANY, Chicago, Ill. Filed Feb. 6, 1942.

Nu-ola

FOR OLEOMARGARINE.
Claims use since Jan. 29, 1942.

CLASS 47

WINES

Ser. No. 449,342. GOLAN WINES, INC., Los Angeles, Calif. Filed Dec. 10, 1941.



FOR WINES.
Claims use since Nov. 18, 1941.

Ser. No. 449,429. NAPA & SONOMA WINE CO., San Francisco, Calif. Filed Dec. 12, 1941.

GOLDEN POPPY

FOR WINES.
Claims use since 1910.

Ser. No. 450,098. GEETINO & FROMM, INC., Chicago, Ill. Filed Jan. 9, 1942.



FOR STILL AND SPARKLING WINES.
Claims use since Dec. 11, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 449,549. HAMPDEN BREWING COMPANY, Willimansett, Mass. Filed Dec. 17, 1941.



Applicant is owner of T. M. Reg. No. 355,989 effected under the 10-year proviso. No claim is made to the words "Mild" and "Ale" or to the representation of a glass of ale apart from the combination shown. No claim is made to the outline of the label.
FOR ALE.
Claims use since Dec. 3, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 442,779. JOHN U. BIRNIE, doing business as Korktone Company, Los Angeles, Calif. Filed Apr. 21, 1941.

KORKTONE

Application disclaims the word "Kork" apart from the mark.
FOR SHEET MATERIAL CONSISTING OF A FLEXIBLE SHEET HAVING A COATING THEREON OF GRANULATED CORK AND EMPLOYED AS RUG AND CARPET CUSHIONING MATERIAL.
Claims use since Jan. 1, 1941.

Ser. No. 445,087. DOUBLE DUTY PRODUCTS, INC., Cleveland, Ohio. Filed July 5, 1941.

FLEXI-CAP

No claim is made to the word "Cap" apart from the mark.
FOR CLOSURE CAPS FOR VARIOUS CONTAINERS.
Claims use since Sept. 1, 1940.

Ser. No. 448,713. THE VITRO-AGATE COMPANY, Parkersburg, W. Va. Filed Nov. 17, 1941.

AQUA JEWELS

FOR ORNAMENTAL ARTICLES IN THE NATURE OF SMALL COLORED BALLS FOR USE IN FISH BOWLS, DISH GARDENS, AND THE LIKE.
Claims use since Mar. 15, 1941.

Ser. No. 448,714. THE VITRO-AGATE COMPANY, Parkersburg, W. Va. Filed Nov. 17, 1941.

MARINE GEMS

FOR ORNAMENTAL ARTICLES IN THE NATURE OF SMALL COLORED BALLS FOR USE IN FISH BOWLS, DISH GARDENS, AND THE LIKE.
Claims use since Mar. 15, 1941.

Ser. No. 448,715. ALFRED WEBER, St. Louis, Mo. Filed Nov. 17, 1941.



FOR CANINE IDENTIFICATION DEVICES EMPLOYED IN INSCRIBING IDENTIFICATION CHARACTERS ON DOGS.
Claims use since Apr. 30, 1941.

Ser. No. 449,689. EDWIN M. JONES, Silver Spring, Md. Filed Dec. 22, 1941.

MBAS Emj

FOR ADVERTISING COLLAR OR DEVICE FOR BOTTLES.
Claims use since Dec. 3, 1941.

Ser. No. 450,250. TEXTILEATHER CORPORATION, Toledo, Ohio. Filed Jan. 15, 1942.

TOLEX

FOR COATED FABRICS.
Claims use since Dec. 29, 1941.

Ser. No. 450,251. TEXTILEATHER CORPORATION, Toledo, Ohio. Filed Jan. 15, 1942.

TUREX

FOR COATED FABRICS.
Claims use since Dec. 29, 1941.

Ser. No. 450,346. SCHELTER LAST CO., INC., doing business as Rochester Shoe Tree Co., Rochester, N. Y. Filed Jan. 20, 1942.

SHOE-KEEPER

No claim is made to the word "Shoe" apart from the mark.
FOR SHOE TREES.
Claims use since Dec. 20, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 24, 1942

394,140. COFFEE. STANDARD BRANDS INCORPORATED, New York, N. Y
Filed November 15, 1939. Serial No. 425,657. PUBLISHED JANUARY 13, 1942. Class 46.

394,141. POWER TOOLS—NAMELY, PORTABLE ELECTRIC ROTARY COMBINATION TOOLS FOR DRILLING, GRINDING, CARVING, POLISHING, ENGRAVING, SAWING, SANDING, CUTTING, ROUTING, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed April 22, 1940. Serial No. 431,085. PUBLISHED JANUARY 6, 1942. Class 21.

394,142. DOLLS FOR EXHIBITION PURPOSES AND USE AS MANNEQUINS MARGIT NILSEN STUDIOS INC., New York, N. Y.
Filed October 9, 1940. Serial No. 436,776. PUBLISHED JANUARY 13, 1942. Class 22.

394,143. CANNED FRUITS AND FRUIT JUICES FOR FOOD PURPOSES. MACLEOD LABORATORIES, Palmyra, N. J., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware.
Filed October 23, 1940. Serial No. 437,207. PUBLISHED SEPTEMBER 23, 1941. Class 46.

394,144. SANDWICHES, WAFFLE SANDWICHES, AND PIES. MACLEOD LABORATORIES, Palmyra, N. J, assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware.
Filed October 23, 1940. Serial No. 437,209. PUBLISHED SEPTEMBER 23, 1941. Class 46.

394,145. PAPER ARTICLES—NAMELY, SANITARY TOILET SEAT COVERS AND DISPENSERS THEREFOR. SANCO MANUFACTURING COMPANY, Chicago, Ill
Filed January 14, 1941. Serial No. 439,666. PUBLISHED JANUARY 13, 1942. Class 50.

394,146. DIRECT RECORDING OSCILLOGRAPH UNITS, ELECTROMETERS FOR USE AS PARTS OF MEASURING DEVICES, VIBRATION PICK-UPS FOR USE AS A PART OF A MEASURING DEVICE, HEART BEAT PICKUPS FOR USE AS A PART OF A MEASURING DEVICE, HEADPHONES FOR USE WITH MEASURING AND TESTING EQUIPMENT, AND MICROPHONES FOR USE WITH MEASURING AND TESTING EQUIPMENT. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio.
Filed January 21, 1941. Serial No. 439,801. PUBLISHED DECEMBER 30, 1941. Class 26.

394,147. TOYS AND PLAYTHINGS, INCLUDING AERIAL TOYS, BALLS AND BALLOONS, BLACKBOARDS, BOATS, ETC. TOY MANUFACTURERS OF THE U. S A. INC., New York, N. Y.
Filed March 12, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 441,496. PUBLISHED JANUARY 13, 1942. Class 22.

394,148. SHALLOW WELL PUMPS FOR HOUSEHOLD AND INDUSTRIAL USE AND HOUSEHOLD WATER SYSTEMS, ETC. THE DEMING COMPANY, Salem, Ohio.
Filed March 15, 1941. Serial No. 441,568. PUBLISHED JULY 15, 1941. Class 23.

394,149 PHONOGRAPHS FOR REPRODUCING VOICE, MUSIC, AND SOUND GENERALLY, ETC. THE WILCOX-GAY CORPORATION, Charlotte, Mich.
Filed March 22, 1941. Serial No. 441,839. PUBLISHED JANUARY 13, 1942. Class 36.

394,150. PUMPS. NIAGARO PUMPS INCORPORATED, Huntsville, Ala.
Filed April 7, 1941. Serial No. 442,364. PUBLISHED DECEMBER 30, 1941. Class 23.

394,151. CARPETS, RUGS, DRAPERIES, UPHOLSTERY FABRICS. DENICRON CORPORATION, Carlisle, Pa.
Filed May 1, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 443,156. PUBLISHED JANUARY 6, 1942. Class 42.

394,152. UNITARY ELECTRIC PRESSURE CONTROL DEVICES COMPRISING IN THE MAIN A PRESSURE RESPONSIVE MOTOR, A SWITCH, ETC. MANNING, MAXWELL & MOORE, INCORPORATED, New York, N. Y.
Filed May 7, 1941. Serial No. 443,335. PUBLISHED DECEMBER 30, 1941. Class 21.

394,153. ABSORBEFACIENT AND DETERGENT FOR DRY CLEANING. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,495. PUBLISHED JANUARY 13, 1942. Class 4.

394,154. ABSORBEFACIENT AND DETERGENT USED IN DRY CLEANING, HAND SPOTTING AND FOR GENERAL CLEANING PURPOSES. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,496. PUBLISHED JANUARY 13, 1942. Class 4.

394,155. ABSORBEFACIENT FOR DRY CLEANING. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,497. PUBLISHED JANUARY 13, 1942. Class 4.

394,156. RUBBERIZED COTTON FABRIC IN THE PIECE WHICH MAY BE ATTACHED TO THE BACK OF FUR SKINS FOR THE PURPOSE OF REINFORCING OR STRENGTHENING SAID SKINS. NU-STAY PROCESS CORP., New York, N. Y.
Filed May 14, 1941. Serial No. 443,576. PUBLISHED JANUARY 13, 1942. Class 50.

394,157. ARTIFICIAL PEARL NECKLACES AND PEARL BEADS. RAND BROTHERS, New York, N. Y.
Filed May 21, 1941. Serial No. 443,781. PUBLISHED JANUARY 13, 1942. Class 28.

394,158. ADHESIVE PASTE. J. HARRY BLAMEY, doing business as Blamey Decorating Co., Sacramento, Calif.
Filed June 23, 1941. Serial No. 444,748. PUBLISHED JANUARY 13, 1942. Class 5.

394,159. ORGANIZATION ADVISER PINS, BADGES, AND BUTTONS, BUCKLES, COLLEGIATE CHAPTER PINS, TROPHY CUPS, ETC. FUTURE FARMERS OF AMERICA, INC., Richmond, Va., and Washington, D. C.
Filed July 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 445,050. PUBLISHED JANUARY 13, 1942. Class 28.

394,160. PENNANTS, BANNERS, PLAQUES, EMBLEMS NOT OF PRECIOUS METAL, BUTTONS, FLAGS AND FLAG POLES, ETC. FUTURE FARMERS OF AMERICA, INC., Richmond, Va. and Washington, D. C.
Filed July 3, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 445,051. PUBLISHED JANUARY 13, 1942. Class 50.

394,161. READY-MIXED MATERIAL FOR PATCHING AND/OR RESURFACING CONCRETE AND OTHER MASONRY SURFACES. ROXSEAL COMPANY, INC., Long Island City, N. Y.
Filed July 8, 1941. Serial No. 445,181. PUBLISHED JANUARY 6, 1942. Class 12.

394,162. CERAMIC INSULATORS FOR ELECTRICAL INSULATION. STEATITE & PORCELAIN PRODUCTS LIMITED, Slough, England.
Filed July 8, 1941. Serial No. 445,182. PUBLISHED DECEMBER 30, 1941. Class 21.

394,163. POTATO CHIPS. RED DOT FOODS, INC., Madison, Wis.
Filed July 21, 1941. Serial No. 445,530. PUBLISHED JANUARY 13, 1942. Class 46.

394,164. AVIATION EQUIPMENT—NAMELY, PARACHUTES, PARACHUTE PACKS, PARACHUTE HARNESSES, PILOT CHUTES, AND PARTS OF ALL SUCH EQUIPMENT. PIONEER PARACHUTE COMPANY, INC., Manchester, Conn.
Filed July 22, 1941. Serial No. 445,559. PUBLISHED JANUARY 13, 1942. Class 19.

394,165. MECHANICAL PENCILS, FOUNTAIN PENS, RUBBER STAMPS, INK PADS, BUSINESS CARDS, BLANK FORMS—NAMELY, BILLHEADS, GUMMED STICKERS, NOT-AT-HOME CARDS, GUMMED SHIPPING LABELS, AND ORDER PADS. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed July 26, 1941. Serial No. 445,669. PUBLISHED JANUARY 13, 1942. Class 37.

394,166. FILLERS FOR SEA FOOD SANDWICHES HAVING OYSTERS AS THEIR BASE. THE NOMIS CORPORATION, La Fayette, Ind., and Jacksonville, Fla.
Filed July 31, 1941. Serial No. 445,821. PUBLISHED JANUARY 13, 1942. Class 46.

394,167. ELECTRIC HOISTS. CHISHOLM-MOORE HOIST CORPORATION, Tonawanda, N. Y.
Filed August 8, 1941. Serial No. 446,073. PUBLISHED JANUARY 6, 1942. Class 21.

394,168. PHONOGRAPH RECORDS. MUSIC YOU ENJOY, INC., New York, N. Y.
Filed August 15, 1941. Serial No. 446,276. PUBLISHED DECEMBER 30, 1941. Class 36.

394,169. FILLERS FOR SEA FOOD SANDWICHES HAVING FISH AS THEIR BASE. THE NOMIS CORPORATION, La Fayette. Ind., and Jacksonville, Fla.
Filed August 18, 1941. Serial No. 446,332. PUBLISHED JANUARY 13, 1942. Class 46.

394,170. RADIO RECEIVING SETS AND ELECTRICAL PARTS THEREFOR, SUCH AS ELECTRIC INSULATORS, PANELS, DIALS, SOCKETS, BINDING POSTS, INSULATED AND UNINSULATED WIRES. INSULINE CORP. OF AMERICA, INC., Long Island City, N. Y.
Filed August 19, 1941. Serial No. 446,359. PUBLISHED JANUARY 6, 1942. Class 21.

394,171. COMBINATION TRAFFIC CONTROL AND FLASH LIGHT. TRAF-O-LITE, Oak Park, Ill.
Filed August 20, 1941. Serial No. 446,405. PUBLISHED DECEMBER 30, 1941. Class 21.

394,172. SPECIALLY PREPARED FRIED CHICKEN DINNER, AND SOLD TO THE TRADE AS SUCH. HARRY W. DORAN, doing business as Harry's Diner, New Orleans, La.
Filed August 28, 1941. Serial No. 446,620. PUBLISHED JANUARY 13, 1942. Class 46.

394,173. METALLIC COMMINUTED PARAMAGNETIC MATERIAL FOR USE IN LOCATING DEFECTS IN MAGNETIC BODIES. MAGNAFLUX CORPORATION, Chicago, Ill.
Filed September 2, 1941. Serial No. 446,740. PUBLISHED JANUARY 13, 1942. Class 14.

394,174. WHEAT FLOUR. OMAR INCORPORATED, Omaha, Nebr.
Filed September 5, 1941. Serial No. 446,810. PUBLISHED JANUARY 13, 1942. Class 46.

394,175. CIGARS AND SMOKING TOBACCO. DE NOBILI CIGAR COMPANY, Long Island City, N. Y.
Filed September 5, 1941. Serial No. 446,829. PUBLISHED JANUARY 13, 1942. Class 17.

394,176. TUBE BENDING MACHINES. THE PARKER APPLIANCE COMPANY, Cleveland, Ohio.
Filed September 9, 1941. Serial No. 446,923. PUBLISHED JANUARY 6, 1942. Class 23.

394,177. CERAMIC MATERIALS TO BE USED AS A MONOLITHIC LINING FOR LADLES, CUPOLAS, BRICK SETTING, CRUCIBLES, AND WELL. THE UNION MINING COMPANY, Mount Savage, Md., and Pittsburgh, Pa.
Filed September 16, 1941. Serial No. 447,084. PUBLISHED JANUARY 13, 1942. Class 1.

394,178. ARTIFICIAL TREES, CHRISTMAS TREE DECORATIONS AND ORNAMENTS. EVA GORDON, New York, N. Y.
Filed September 17, 1941. Serial No. 447,102. PUBLISHED JANUARY 13, 1942. Class 50.

394,179. MILLING MACHINES, TOOL ROOM MILLING MACHINES, INTERCHANGEABLE UNIT HORIZONTAL AND VERTICAL MILLING MACHINES, ETC., PRODUCTION ENGINEERING CO., Detroit, Mich.
Filed September 19, 1941. Serial No. 447,189. PUBLISHED DECEMBER 30, 1941. Class 23.

394,180. PACKAGED DRIED SHRIMP. PACIFIC TRADING COMPANY, INC., San Francisco, Calif.
Filed September 22, 1941. Serial No. 447,248. PUBLISHED JANUARY 13, 1942. Class 46.

394,181. PLASTIC SELF-ADJUSTING CASTING FLOATS. DILLON-BECK MANUFACTURING COMPANY, Irvington, N. J.
Filed September 23, 1941. Serial No. 447,266. PUBLISHED JANUARY 13, 1942. Class 22.

394,182. BURIAL VAULTS. WILBERT W. HAASE CO., INC., Forest Park, Ill.
Filed September 26, 1941. Serial No. 447,331. PUBLISHED JANUARY 13, 1942. Class 2.

394,183. ALKALI RESISTANT PIGMENTED COATING FOR USE ON NEW PLASTER AS A PAINT SEALER. UNITED VARNISH CORPORATION, Long Island City, N. Y.
Filed September 27, 1941. Serial No. 447,382. PUBLISHED JANUARY 13, 1942. Class 16.

394,184. HYDRAULIC PUMPS AND ROLLING MILL SUPPLIES INCLUDING CAST IRON, CAST STEEL, AND ALLOY STEEL ROLLS. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa.
Filed September 29, 1941. Serial No. 447,386. PUBLISHED JANUARY 6, 1942. Class 23.

394,185. HYDRAULIC PUMPS AND ROLLING MILL SUPPLIES, INCLUDING CAST IRON, CAST STEEL, AND ALLOY STEEL ROLLS. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa.
Filed September 29, 1941. Serial No. 447,387. PUBLISHED JANUARY 6, 1942. Class 23.

394,186. OPTICAL GOODS—NAMELY, OPHTHALMIC AND OBJECTIVE LENSES, EYE-GLASSES, SPECTACLES, SPECTACLE FRAMES, ETC. KOHN-STAMM-WOLFE, INC., New York, N. Y.
Filed September 29, 1941. Serial No. 447,397. PUBLISHED DECEMBER 30, 1941. Class 26.

394,187. CUTTING ATTACHMENTS FOR MACHINE TOOLS, FIXTURES FOR ASSEMBLING MACHINE PARTS, AND STAMPING AND CUTTING DIES. AIRCRAFT INDUSTRIES CORPORATION, Tenafly, N. J.
Filed September 30, 1941. Serial No. 447,420. PUBLISHED JANUARY 6, 1942. Class 23.

394,188. FARM BUILDINGS—NAMELY, UNASSEMBLED OR KNOCKED DOWN METAL AND IRON CLAD BUILDINGS AND ESSENTIAL PARTS THEREOF SUCH AS STUDS, SHEATHING, METAL WINDOWS AND DOORS, FOR HOUSING COWS, HORSES, HOGS, SHEEP, AND POULTRY. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis.
Filed October 2, 1941. Serial No. 447,482. PUBLISHED JANUARY 6, 1942. Class 12.

394,189. CHEESE. CERRUTI & COMINELLI, New York, N. Y.
Filed October 4, 1941. Serial No. 447,536. PUBLISHED JANUARY 13, 1942. Class 46.

394,190. METALLIC WELDING ELECTRODES. A. O. SMITH CORPORATION, Milwaukee, Wis.
Filed October 8, 1941. Serial No. 447,618. PUBLISHED JANUARY 13, 1942. Class 14.

394,191. PHOTOGRAPHIC SPECIALTIES—VIZ., HAND FLASH GUNS; CARRYING CASES FOR CAMERAS; ETC. RAYGRAM CORPORATION, New York, N. Y.
Filed October 10, 1941. Serial No. 447,668. PUBLISHED JANUARY 13, 1942. Class 26.

394,192. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed October 11, 1941. Serial No. 447,706. PUBLISHED JANUARY 13, 1942. Class 27.

394,193. HAIR CLIPPERS AND ELECTRIC SHAVERS. KNAPP-MONARCH COMPANY, St. Louis, Mo.
Filed October 13, 1941. Serial No. 447,741. PUBLISHED JANUARY 6, 1942. Class 23.

394,194. THREAD GAUGES. SUPREX GAGE COMPANY, Pleasant Ridge, Mich.
Filed October 13, 1941. Serial No. 447,770. PUBLISHED DECEMBER 30, 1941. Class 26.

394,195. THREAD GAUGES. SUPREX GAGE COMPANY, Pleasant Ridge, Mich.
Filed October 13, 1941. Serial No. 447,771. PUBLISHED DECEMBER 30, 1941. Class 26.

394,196. CANNED FOOD PRODUCTS — NAMELY, CANNED BAKED BEANS. MAINE CANNED FOODS, INC., Portland, Maine.
Filed October 15, 1941. Serial No. 447,814. PUBLISHED JANUARY 13, 1942. Class 46.

394,197. COMBINATION COIN-OPERATED PHONOGRAPH AND TALKING PICTURE MACHINES. AUTOMATIC INSTRUMENT COMPANY, Chicago, Ill.
Filed October 20, 1941. Serial No. 447,929. PUBLISHED JANUARY 6, 1942. Class 26.

394,198. GASKETS AND PLANT FIBRE SHEET PACKING MATERIAL. THE CLEVELAND GASKET AND MANUFACTURING COMPANY, Cleveland, Ohio.
Filed October 20, 1941. Serial No. 447,932. PUBLISHED JANUARY 13, 1942. Class 35.

394,199. ELECTRIC VACUUM CLEANERS. DAVID A. STARR, doing business as United Vacuum & Appliance Company, Minneapolis, Minn.
Filed October 20, 1941. Serial No. 447,961. PUBLISHED JANUARY 6, 1942. Class 21.

394,200. PHONOGRAPH NEEDLES. F. E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill.
Filed October 20, 1941. Serial No. 447,965. PUBLISHED JANUARY 6, 1942. Class 36.

394,201. CONTAINER CLOSURES OF THE CROWN TYPE. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed October 22, 1941. Serial No. 447,999. PUBLISHED JANUARY 13, 1942. Class 50.

394,202. NUT CRACKING AND PROCESSING MACHINES AND PARTS THEREOF. THE CHAMPION PECAN MACHINE COMPANY, San Antonio, Tex.
Filed October 23, 1941. Serial No. 448,038. PUBLISHED JANUARY 13, 1942. Class 23.

394,203. FRESH VEGETABLES AND FRESH CITRUS FRUITS. CRAWFORD PRODUCE COMPANY, San Benito, Tex.
Filed October 23, 1941. Serial No. 448,040. PUBLISHED JANUARY 13, 1942. Class 46.

394,204. RAFFIA. MCHUTCHISON & CO., New York, N. Y.
Filed October 25, 1941. Serial No. 448,107. PUBLISHED JANUARY 13, 1942. Class 1.

394,205. RAFFIA. MCHUTCHISON & CO., New York, N. Y.
Filed October 25, 1941. Serial No. 448,108. PUBLISHED JANUARY 13, 1942. Class 1.

394,206. CHEMICALLY TREATED POLISHING CLOTHS. THE AUTO SUPPLIES MFG. CO., INC., Denver, Colo.
Filed October 27, 1941. Serial No. 448,128. PUBLISHED JANUARY 13, 1942. Class 4.

394,207. BRAN MUFFIN MIX, CORN MUFFIN MIX. BERTHA HUTCHINGS PARKER, doing business as On-On-Or Food Co., Rochester, N. Y.
Filed October 27, 1941. Serial No. 448,163. PUBLISHED JANUARY 13, 1942. Class 46.

394,208. CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, CANNED MILK, CANNED FRUITS, CANNED VEGETABLES AND PREPARED MILK BABY FOODS. J. P. MEYENBERG, JR., doing business as J. P. Meyenberg Jr. Sales Co., Salinas, Calif.
Filed October 28, 1941. Serial No. 448,198. PUBLISHED JANUARY 13, 1942. Class 46.

394,209. MIXED COTTON AND RAYON PIECE GOODS, WOOL AND RAYON PIECE GOODS, WOOL AND COTTON PIECE GOODS, AND COTTON, AND RAYON, AND WOOLEN PIECE GOODS. MOORESVILLE COTTON MILLS, Mooresville, N. C.
Filed October 30, 1941. Serial No. 448,260. PUBLISHED JANUARY 6, 1942. Class 42.

394,210. METAL CURTAIN RODS AND METAL CURTAIN ROD FIXTURES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 30, 1941. Serial No. 448,262. PUBLISHED JANUARY 13, 1942. Class 13.

394,211. HAND TRUCKS IN THE NATURE OF WHEELED SHOPPING BAGS. GORDON HURD, Flushing, N. Y.
Filed October 31, 1941. Serial No. 448,294. PUBLISHED JANUARY 13, 1942. Class 19.

394,212. OPHTHALMIC MOUNTINGS AND LENSES AND PARTS THEREOF. THE HARLEQUIN CORPORATION, New York, N. Y.
Filed November 4, 1941. Serial No. 448,384. PUBLISHED DECEMBER 30, 1941. Class 26.

394,213. OPHTHALMIC MOUNTINGS AND LENSES AND PARTS THEREOF. THE HARLEQUIN CORPORATION, New York, N. Y.
Filed November 4, 1941. Serial No. 448,385. PUBLISHED DECEMBER 30, 1941. Class 26.

394,214. COTTON DUCKS, WATER-PROOF DUCKS, AND COTTON PIECE GOODS. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md.
Filed November 4, 1941. Serial No. 448,391. PUBLISHED JANUARY 6, 1942. Class 42.

394,215. AUTOMOBILE AND TRUCK BODIES AND MOTOR BOATS INCLUDING PLASTIC TRIM MOLDINGS THEREFOR. ERLINDER-PLATT SALES CORPORATION, Chicago, Ill.
Filed November 5, 1941. Serial No. 448,410. PUBLISHED JANUARY 13, 1942. Class 19.

394,216. IMPULSE STEAM TRAPS. YARNALL-WARING COMPANY, Philadelphia, Pa.
Filed November 6, 1941. Serial No. 448,444. PUBLISHED JANUARY 13, 1942. Class 13.

394,217. PREPARED FOOD PRODUCTS—NAMELY, CANNED FISH. EDWARD SASSOON, doing business as Fidelity Trading Company, San Francisco, Calif.
Filed November 7, 1941. Serial No. 448,462. PUBLISHED JANUARY 13, 1942. Class 46.

394,218. PLASTIC MATERIAL USED IN THE MANUFACTURE OF DENTURES. ECONOMY DENTAL SUPPLY CO., Portland, Oreg.
Filed November 10, 1941. Serial No. 448,504. PUBLISHED JANUARY 13, 1942. Class 44.

394,219. LACE CURTAINS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 10, 1941. Serial No. 448,506. PUBLISHED JANUARY 6, 1942. Class 42.

394,220. PETROLEUM PRODUCTS PARTICULARLY MOTOR OILS, GASOLINES, DIESEL FUELS, FUEL OILS, AND ROAD OIL. KRIEGER OIL CO. OF CALIFORNIA, Clearwater, Calif.
Filed November 10, 1941. Serial No. 448,512. PUBLISHED JANUARY 6, 1942. Class 15.

394,221. POWDERED MILK. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y.
Filed October 4, 1941. Serial No. 447,547. PUBLISHED JANUARY 13, 1942. Class 46.

394,222. ELECTRIC FANS. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed November 12, 1941. Serial No. 448,549. PUBLISHED JANUARY 13, 1942. Class 21.

394,223. ELECTRIC FANS. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed November 12, 1941. Serial No. 448,550. PUBLISHED JANUARY 13, 1942. Class 21.

394,224. FRESH CITRUS FRUIT. ORANGE BELT FRUIT DISTRIBUTORS, Pomona, Calif.
Filed November 12, 1941. Serial No. 448,577. PUBLISHED JANUARY 13, 1942. Class 46.

394,225. FRESH GRAPES. RUNCIMAN & RUNCIMAN, Exeter, Calif.
Filed November 13, 1941. Serial No. 448,622. PUBLISHED JANUARY 13, 1942. Class 46.

394,226. SHOE LACES. THOMAS TAYLOR & SONS, INC., Hudson, Mass.
Filed November 13, 1941. Serial No. 448,628. PUBLISHED JANUARY 13, 1942. Class 40.

394,227. SUGAR. THE NATIONAL SUGAR REFINING COMPANY, New York, N. Y.
Filed November 14, 1941. Serial No. 448,646. PUBLISHED JANUARY 13, 1942. Class 46.

394,228. GLASS COOKING UTENSILS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 14, 1941. Serial No. 448,659. PUBLISHED JANUARY 13, 1942. Class 33.

394,229. WASHING POWDER. CHARLOTTE CHEMICAL LABORATORIES, INC., Charlotte, N. C.
Filed November 15, 1941. Serial No. 448,672. PUBLISHED JANUARY 13, 1942. Class 4.

394,230. SALAD DRESSING. WHITE'S, INC., Richmond, Va.
Filed November 18, 1941. Serial No. 448,746. PUBLISHED JANUARY 13, 1942. Class 46.

394,231. SOAPS. COSMATA, INC., Long Island City, N. Y.
Filed November 19, 1941. Serial No. 448,756. PUBLISHED JANUARY 13, 1942. Class 4.

394,232. FRESH CITRUS FRUIT. SAN FERNANDO CITRUS ASSOCIATION, San Fernando, Calif.
Filed November 19, 1941. Serial No. 448,767. PUBLISHED JANUARY 13, 1942. Class 46.

394,233. WOMEN'S HANDBAGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 24, 1941. Serial No. 448,860. PUBLISHED JANUARY 13, 1942. Class 3.

394,234. SEPARABLE FASTENERS OF THE SLIDER-CONTROLLED TYPE. TALON, INC., Meadville, Pa.
Filed December 2, 1941. Serial No. 449,108. PUBLISHED JANUARY 13, 1942. Class 13.

394,235. CANVAS CARRYING CASES AND LEATHER CARRYING CASES. PHILCO CORPORATION, Philadelphia, Pa.
Filed December 3, 1941. Serial No. 449,150. PUBLISHED JANUARY 13, 1942. Class 3.

394,236. WOMEN'S HANDBAGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 4, 1941. Serial No. 449,174. PUBLISHED JANUARY 13, 1942. Class 3.

394,237. WOMEN'S HANDBAGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 4, 1941. Serial No. 449,175. PUBLISHED JANUARY 13, 1942. Class 3.

394,238. MATTRESSES, PILLOWS, AND BOX-SPRINGS. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md.
Filed December 4, 1941. Serial No. 449,181. PUBLISHED JANUARY 13, 1942. Class 32.

394,239. TOY CARPET SWEEPERS, TOY HOUSE-CLEANING SETS AND THEIR CONTENTS CONSISTING OF FLOOR MOPS, CORN BROOMS, ETC. PAUL A. JONES, doing business as Kiddie Brush & Toy Company, Jonesville, Mich.
Filed December 4, 1941. Serial No. 449,182. PUBLISHED JANUARY 13, 1942. Class 22.

394,240. DESK CUPS OF COMPOSITION MATERIAL AND RUBBER DESK SHOES. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 5, 1941. Serial No. 449,200. PUBLISHED JANUARY 13, 1942. Class 32.

394,241. PISTON RINGS. MUSKEGON PISTON RING COMPANY, Muskegon, Mich.
Filed December 8, 1941. Serial No. 449,287. PUBLISHED JANUARY 13, 1942. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

394,242. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEINER SALES COMPANY, Chicago, Ill. Filed Dec. 21, 1940. Serial No. 439,081.

Precision

FOR PRESSURE SPRAYERS.
Claims use since Dec. 10, 1940.

394,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CER-LAX COMPANY, Canton, Ohio. Filed Jan. 10, 1941. Serial No. 439,535.

SOY-SEREAL

FOR PREPARED CEREAL FOOD.
Claims use since Dec. 1, 1940.

394,244. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION SPECIAL MACHINE COMPANY, Chicago, Ill. Filed Jan. 17, 1941. Serial No. 439,764.

UNION SPECIAL THREAD Ratio CONTROL

FOR THREAD RATIO CONTROL ATTACHMENTS FOR SEWING MACHINES.
Claims use since Dec. 27, 1940.

394,245. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMALGAMATED TEXTILES LIMITED, New York, N. Y. Filed Feb. 26, 1941. Serial No. 441,008.

Henry Cordy

FOR WOOLEN AND WORSTED TEXTILE PIECE GOODS.
Claims use since Jan. 15, 1941.

394,246. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PERMO PRODUCTS CORPORATION, Chicago, Ill. Filed Apr. 18, 1941. Serial No. 442,720.

FLOATING POINT

FOR PHONOGRAPH NEEDLES.
Claims use since Nov. 25, 1940.

394,247. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WESTON INTERNATIONAL CORP., New York, N. Y. Filed Apr. 19, 1941. Serial No. 442,765.

Wonhand



FOR PYROPHORIC LIGHTERS FOR PIPES, CIGARS, AND CIGARETTES.
Claims use since January, 1941.

394,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HILLS BROS. COFFEE INC., San Francisco, Calif. Filed May 14, 1941. Serial No. 443,565.

Correct Grind

FOR COFFEE.
Claims use since Dec. 12, 1936.

394,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TRINIDAD CREAMERY CO., Trinidad, Colo., Clovis and Albuquerque, N. Mex., Tucson, Ariz., El Paso, Tex., and Los Angeles, Calif. Filed Sept. 3, 1941. Serial No. 446,766.

MOUNTAIN STATES

FOR CREAMERY BUTTER.
Claims use since June, 1915.

TRADE-MARK REGISTRATIONS RENEWED

20,678. **PINTSCH.** LAMPS. Registered February 2, 1892. THE SAFETY CAR HEATING AND LIGHTING COMPANY. Re-renewed February 2, 1942, to The Safety Car Heating and Lighting Company, Inc., New York, N. Y., a corporation of Delaware, by merger.

144,220. **ANTOINETTE DONNELLY'S.** TOILET AND LAUNDRY SOAP. Registered June 28, 1921. GRAHAM BROS. SOAP COMPANY, Chicago, Ill. Renewed June 28, 1941, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio, successor.

144,914. **REMMO.** TOILET SOAP. Registered July 19, 1921. THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Renewed July 19, 1941, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio, successor.

149,046. **RED TANG.** FILES. Registered December 6, 1921. EVER SHARP FILE CO., Taunton, Mass. Renewed December 6, 1941, to Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts, successor.

150,807. **EUTHOLA.** FACE POWDERS, FACE CREAMS, COLD CREAMS, HAIR GROWER, AND ROUGES. Registered January 10, 1922. EUTHOLA MFG. CO., St. Louis, Mo. Renewed January 10, 1942, to Julius A. Stevenson, Chicago, Ill., successor.

151,249. **ORANGE BLOSSOMS.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING SAME. Registered January 24, 1922. STANDARD BOTTLING COMPANY, Newark, N. J., assignor to Cherry Blossom Mfg. Co., Newton, Iowa. Renewed January 24, 1942, to Cherry Blossom Manufacturing Company, St. Louis, Mo., a corporation of Iowa, assignee.

151,653. **REPRESENTATION OF A BULL AND A BEAR.** FLINT PAPER AND FLINT CLOTH, GARNET PAPER AND GARNET CLOTH, EMERY PAPER AND EMERY CLOTH. Registered February 14, 1922. BAEDER ADAMSON COMPANY, Boston, Mass. Renewed February 14, 1942, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee by mesne assignments.

151,654. **A CIRCLE WITHIN A HEXAGON DESIGN.** FLINT PAPER AND FLINT CLOTH. Registered February 14, 1922. BAEDER ADAMSON COMPANY, Boston, Mass. Renewed February 14, 1942, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee by mesne assignments.

151,715. **RESOLUTE.** WHEAT FLOUR. Registered February 14, 1922. THE COLORADO MILLING & ELEVATOR CO., Denver and Eaton, Colo., a corporation of Colorado. Renewed February 14, 1942.

151,852. **RAMONA.** TOILET SOAP. Registered February 14, 1922. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed February 14, 1942.

151,854. **MERMAID QUEEN.** LAUNDRY SOAP. Registered February 14, 1922. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed February 14, 1942.

151,855. **MERMAID.** WASHING POWDER. Registered February 14, 1922. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed February 14, 1942.

151,961. **THE VIKINGS REMEDY.** A LINIMENT AND PREPARATION FOR CERTAIN USES. Registered February 14, 1922. ELIZABETH B. SPENCER, Wilkes-Barre, Pa. Renewed February 14, 1942.

151,984. **PILGRIM RED.** PRINTING INKS. Registered February 14, 1922. SIGMUND ULLMAN COMPANY. Renewed February 14, 1942, to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware, assignee.

152,011. **ARMCO SPECIAL.** LARD SUBSTITUTE CONSISTING OF COTTONSEED OIL AND OTHER INGREDIENTS. Registered February 14, 1922. OLIVER WYNNE, Norfolk, Va. Renewed February 14, 1942, to Lookout Oil & Refining Company, Chattanooga, Tenn., a corporation of Delaware, assignee.

152,287. **AGENE.** WHEAT FLOUR. Registered February 21, 1922. WALLACE & TIERNAN CO., INC., Newark, N. J. Renewed February 21, 1942, to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware, assignee by mesne assignments.

152,384. **LITTLE WONDER.** HEDGE TRIMMERS. Registered February 28, 1922. JOHN C. DETTRA. Renewed February 28, 1942, to Howard C. Dettra, doing business as Detco Manufacturing Co., Oaks, Pa., assignee.

152,412. **G W.** CERTAIN NONFERROUS METALS AND ALLOYS. Registered February 28, 1922. GREAT WESTERN SMELTING & REFINING COMPANY, Chicago, Ill. Renewed February 28, 1942, to Great Western Smelting & Refining Company, New York, N. Y., a corporation of Illinois.

152,719. **JUNKET.** PREPARATIONS FOR COAGULATING OR CURDLING MILK. Registered March 7, 1922. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y., a corporation of New York. Renewed March 7, 1942.

152,920. **OLUMCO.** DRESSED LUMBER, SHINGLES, WALL BOARD, MANTELS, SASH, DOORS, WINDOW BLINDS, AND MOLDINGS. Registered March 7, 1922. OETTINGER LUMBER COMPANY, Greensboro, N. C., a firm. Renewed March 7, 1942.

153,293. **BP.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered March 14, 1922. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed March 14, 1942.

153,443. **SPONGEEN.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,444. **JUINA.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,445. **HERA.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,446. **ORINA.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,447. **JEWELLA.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,448. **MELROSA.** WOOLEN PIECE GOODS. Registered March 21, 1922. FORSTMANN & HUFFMANN COMPANY. Renewed March 21, 1942, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

153,556. **MME. C. J. WALKER.** CERTAIN NAMED TOILET PREPARATIONS. Registered March 21, 1922. THE MME. C. J. WALKER MANUFACTURING COMPANY, INC., Indianapolis, Ind., a corporation of Indiana. Renewed March 21, 1942.

153,701. **DOWCO.** INSECTICIDES AND FUNGICIDES. Registered March 28, 1922. THE DOW CHEMICAL COMPANY, Midland, Mich., a corporation of Michigan. Renewed March 28, 1942.

153,835. **SOCIETY.** VEILS AND VEILINGS IN THE PIECE. Registered March 28, 1922. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed March 28, 1942.

153,888. **UNITED.** AWLS, DRIVERS, USED FOR INSERTING SUCH FASTENINGS AS NAILS, ETC. AND SEWING-MACHINE NEEDLES. Registered March 28, 1922. UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Renewed March 28, 1942, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey.

153,971. **TAN FIBRE.** PACKING PREPARED FROM PAPER TREATED WITH GLYCERINE, FORMALDEHYDE, AND GLUE FOR GASKETS, VALVES, PIPE JOINTS. Registered April 4, 1922. BAEDER ADAMSON COMPANY, Boston, Mass. Renewed April 4, 1942, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee by mesne assignments.

153,986. **REPRESENTATION OF A DEER.** FINISHES FOR LEATHERS. Registered April 4, 1922. WILLIAM B. CARROLL. Renewed April 4, 1942, to Hart Leather Finish Corporation, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

154,018. **ELAINE.** LUBRICATING OILS MADE FROM ANIMAL FATS. Registered April 4, 1922. THE EMERY CANDLE COMPANY. Renewed April 4, 1942, to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee.

154,025. **TIME TO RE-TIRE!** CERTAIN NAMED TIRES, TUBES, AND ACCESSORIES. Registered April 4, 1922. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Renewed April 4, 1942, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

154,048. **RUBBERTEX.** PREPARED ROOFING ORDINARILY SOLD IN ROLLS. Registered April 4, 1922. THE HEPPES-NELSON ROOFING COMPANY, assignor to The Richardson Company, Chicago, Ill. Renewed April 4, 1942, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts, assignee by mesne assignments.

154,050. **MAYDALE.** MALTLESS CEREAL AND NONCEREAL BEVERAGES CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL BY VOLUME SOLD AS SOFT DRINKS. Registered April 4, 1922. K. PAUL HILANDER. Renewed April 4, 1942, to Maydale Beverage Company, Inc., Maynard, Mass., a corporation of Massachusetts, successor.

154,155. **LAUREL.** LINEN THREAD. Registered April 4, 1922. SMITH & DOVE MFG. CO., Andover, Mass. Renewed April 4, 1942, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

154,246. **CASCO.** CERTAIN NAMED DENTAL APPARATUS AND SUPPLIES. Registered April 11, 1922. CLAUDIUS ASH, SONS & COMPANY LIMITED. Renewed April 11, 1942, to The Amalgamated Dental Company Limited, London, England, a corporation of Great Britain, by change of name.

154,347. **NEY-ORO.** GOLD ALLOYS FOR DENTAL PURPOSES. Registered April 11, 1922. THE J. M. NEY COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed April 11, 1942.

154,407. **NAUGAHYDE.** TRAVELING BAGS, ENVELOPES OF WALLET FORM, BRIEF CASES, MUSIC ROLLS, MUSIC FOLDS, AND COLLAR BAGS. Registered April 11, 1922. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed April 11, 1942, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

154,746. **WYNNE'S WYNNER.** LARD SUBSTITUTE COMPOSED OF COTTONSEED OIL AND OTHER INGREDIENTS. Registered April 18, 1922. OLIVER WYNNE, Norfolk, Va. Renewed April 18, 1942, to Lookout Oil & Refining Company, Chattanooga, Tenn., a corporation of Delaware, assignee.

154,865. **REPRESENTATION OF TWO HEMISPHERES ON A SHIELD.** WIRE ROPE AND CABLES OF EVERY FORM AND FOR ALL USES, AND AEROPLANE CABLES. Registered May 16, 1922. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed May 16, 1942.

154,897. **TROJAN.** ALLOY STEEL IN BARS, BILLETS, AND SHAPES. Registered May 16, 1922. THE CARPENTER STEEL COMPANY, Reading, Pa., a corporation of New Jersey. Renewed May 16, 1942.

155,023. **NATIONAL.** CERTAIN ARTICLES OF CLOTHING. Registered May 16, 1922. NATIONAL CLOAK & SUIT CO., New York, N. Y. Renewed May 16, 1942, to National Bellas Hess Inc., North Kansas City, Mo., a corporation of Delaware, assignee by mesne assignments.

155,053. **MOTORTONE.** LUBRICATING OIL. Registered May 16, 1922. THE POWER-OIL CO. LTD., St. Louis, Mo. Renewed May 16, 1942, to Arthur W. Butterfield, University City, Mo., assignee by mesne assignments.

155,426. **A BEAR FOR WEAR.** RUBBER VEHICLE TIRES AND RUBBER TIRE TREADS. Registered May 30, 1922. GILLETTE RUBBER COMPANY, assignor to Gillette Rubber Company, Eau Claire, Wis. Renewed May 30, 1942, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

155,428. **MILAGRO.** SOAP. Registered May 30, 1922. THE GLOBE SOAP COMPANY. Renewed May 30, 1942, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

155,598. **REPRESENTATION OF TWO HEMISPHERES ON A SHIELD.** ELECTRICAL WIRES, COVERED OR UNCOVERED, FOR ALL CONDUCTING PURPOSES, AND RAIL BONDS FOR ELECTRICAL CONNECTION OF RAILWAY RAILS. Registered June 6, 1922. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed June 6, 1942.

155,669. **NELLY DON.** WASH DRESSES, APRONS, AND HOUSE DRESSES. Registered June 6, 1922. DONNELLY GARMENT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed June 6, 1942.

155,734. **CHORE BOY.** SCOURING CLOTHS. Registered June 6, 1922. RUSSELL B. KINGMAN, assignor to The Chore Utensils Corporation of America, Orange, N. J. Renewed June 6, 1942, to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware, assignee by mesne assignments.

155,739. **THE PILOT BRAND.** MIDDY BLOUSES. Registered June 6, 1922. KRAMER, SAUBER & KESTING, INCORPORATED. Renewed June 6, 1942, to The Kramer Company, Baltimore, Md., a partnership, successor.

155,918. **REPRESENTATION OF TWO HEMISPHERES ON A SHIELD.** CERTAIN AERIAL TRAMWAYS AND TRAMWAY CARRIERS AND TOOLS AND SHAFTING. Registered June 13, 1922. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed June 13, 1942.

155,927. **JEWEL.** COAL. Registered June 13, 1922. BEATTY COAL COMPANY. Renewed June 13, 1942, to Jewel Coal and Mining Company, Kansas City, Mo., a corporation of Arkansas, successor.

156,465. **RED MILL.** TOILET PAPER. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed June 20, 1942.

156,466. **CAMEL.** TOILET PAPER. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed June 20, 1942.

156,467. **ORANGE BLOSSOM.** TOILET PAPER. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed June 20, 1942.

156,572. **ANCHOR.** DATES. Registered June 27, 1922. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed June 27, 1942.

156,636. **BRUNSWICK.** PHONOGRAPHS AND PHONOGRAPH RECORDS. Registered July 11, 1922. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed July 11, 1942, to Brunswick Radio Corporation, New York, N. Y., a corporation of Delaware, assignee.

156,715. **WEMCO.** FIRE BRICK, FURNACE TILE, BAFFLE TILE, HIGH-TEMPERATURE CEMENT. Registered July 11, 1922. W. E. MUSHET, trading as W. E. Mushet Company, San Francisco, Calif. Renewed July 11, 1942.

156,716. **WEMCO.** FIRE BRICK, FURNACE TILE, BAFFLE TILE, HIGH-TEMPERATURE CEMENT. Registered July 11, 1922. W. E. MUSHET, trading as W. E. Mushet Company, San Francisco, Calif. Renewed July 11, 1942.

156,759. **STACY.** LOAD BINDERS. Registered July 11, 1922. EUGENE C. STACY. Renewed July 11, 1942, to Eugene C. Stacy, Tiffin, Ohio, a partnership, successor.

156,769. **REPRESENTATION OF AN ARROW AND LETTER U.** FINGER RINGS WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. Registered July 11, 1922. UNCAS MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed July 11, 1942.

156,775. **W & T CO INC.** CHEMICAL-CONTROL EQUIPMENT FOR WATER PURIFICATION, CHLORINE-CONTROL APPARATUS, AND CERTAIN OTHER NAMED APPARATUS. Registered July 11, 1922. WALLACE & TIERMAN CO., INC., Newark, N. J., a corporation of New York. Renewed July 11, 1942.

156,783. **WHITE MOUNTAIN.** TOILET PAPER. Registered July 11, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Renewed July 11, 1942.

156,987. **OXFORD.** SPOOL COTTON, SEWING COTTON, THREAD, AND COTTON YARNS. Registered July 25, 1922. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 25, 1942, to The American Thread Company, New York, N. Y., a corporation of New Jersey.

157,023. **"TITAN".** TOOL STEELS IN BARS, BILLETS, AND SHAPES. Registered July 25, 1922. THE CARPENTER STEEL COMPANY, Reading, Pa., a corporation of New Jersey. Renewed July 25, 1942.

157,064. **FLOCK'S FAULTLESS YARNS.** THREAD AND YARN. Registered July 25, 1922. THE FLOCK MANUFACTURING COMPANY, Philadelphia, Pa., a firm. Renewed July 25, 1942.

157,084. **CROWN.** MEN'S DRESS, WORK AND NEGLIGEE SHIRTS. Registered July 25, 1922. GREENBAUM, WEIL & MICHELS. Renewed July 25, 1942, to Crown Manufacturing Company, Inc., San Francisco, Calif., a corporation of California, assignee.

157,158. **RED CROSS.** MEN'S, WOMEN'S, AND CHILDREN'S KNITTED OR TEXTILE UNDERWEAR; SWEATERS, NECKTIES, CORSETS, HATS, CAPS, AND SCARFS. MYERS DRY GOODS CO. Renewed July 25, 1942, to Myers Dry Goods Co., Inc., Morristown, Tenn., a corporation of Tennessee, successor.

157,307. **BEECH-NUT.** BAKING POWDER. Registered August 1, 1922. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y., a corporation of New York. Renewed August 1, 1942.

157,310. **BISODOL.** MEDICINAL PREPARATION USED AS AN ANTIACID DIGESTANT. Registered August 1, 1922. BISODOL CO., INC., New York, N. Y. Renewed August 1, 1942, to The Bisodol Company, New Haven, Conn., a corporation of Connecticut, assignee.

157,316. **FROLIC.** PERFUME, TOILET WATER, FACE LOTION, FACE POWDER, ROUGE, SACHET, BRILLIANTINE, AND TALCUM POWDER. Registered August 1, 1922. CHERAMY, INC., New York, N. Y., a corporation of New York. Renewed August 1, 1942.

157,399. **BLATZ.** NEAR BEER, MALT TONIC, MALT SIRUP, AND MALT EXTRACT. Registered August 1, 1922. VAL BLATZ BREWING COMPANY. Renewed August 1, 1942, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin, by change of name.

157,472. **VINCITORE.** HORSESHOE NAILS. Registered August 8, 1922. THE CAPEWELL HORSE NAIL COMPANY. Renewed August 8, 1942, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, by merger.

157,473. **VAINQUEUR.** HORSESHOE NAILS. Registered August 8, 1922. THE CAPEWELL HORSE NAIL COMPANY. Renewed August 8, 1942, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, by merger.

157,479. **COLUMBUS.** COTTON SHEETINGS. Registered August 8, 1922. COLUMBUS MANUFACTURING COMPANY, Columbus, Ga., a corporation of Georgia. Renewed August 8, 1942.

157,582. **MINETTE.** HAIR NETS. Registered August 8, 1922. SITROUX IMPORTING COMPANY, INC. Renewed August 8, 1942, to The Sitroux Company, Inc., New York, N. Y., a corporation of New York, by change of name.

157,596. **T.** CERTAIN PUMPS, ENGINES, FARM IMPLEMENTS, WOOD AND METAL WORKING MACHINERY, AND ACCESSORIES FOR MACHINERY. Registered August 8, 1922. TRANTER MANUFACTURING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed August 8, 1942.

157,634. **GLORIA.** EVAPORATED MILK. Registered August 15, 1922. AMERICAN MILK PRODUCTS CORPORATION. Renewed August 15, 1942, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

157,644. **BINDER.** TAR AND ANTISEPTIC SOAP. Registered August 15, 1922. RICHARD C. R. BINDER and LAURA B. SCHREIBER, Philadelphia, Pa., trustees of the estate of Richard Binder, deceased. Renewed August 15, 1942, to Richard C. R. Binder and Laura B. Schreiber, Margate, N. J., trustees of the estate of Richard Binder, deceased.

157,654. **CAPPI.** TOILET SOAP. Registered August 15, 1922. CHERAMY, INC., New York, N. Y., a corporation of New York. Renewed August 15, 1942.

157,680. **VOLCANIC.** TOILET SOAP. Registered August 15, 1922. HASKINS BROS. & COMPANY, Sioux City, Iowa, and Omaha, Nebr. Renewed August 15, 1942, to Haskins Bros. & Company, Omaha, Nebr., a corporation of Iowa

157,690. **MAGIC WASHER.** LAUNDRY SOAP. Registered August 15, 1922. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Renewed August 15, 1942.

157,706. **LOTTMAN'S SOUTHERN QUEEN.** MATTRESSES. Registered August 15, 1922. C. F. LOTTMAN & SONS, Houston, Tex., a firm. Renewed August 15, 1942.

157,713. **RIVER-SIDE.** SMOKED MEATS AND LARD. Registered August 15, 1922. MEMPHIS PACKING CORPORATION, Memphis, Tenn. Renewed August 15, 1942, to Armour and Company, Chicago, Ill., a corporation of Illinois, assignee.

157,715. **VITAM.** ARTIFICIALLY-COMPOUNDED FOOD SUPPLEMENT FOR CHILDREN AND INVALIDS. Registered August 15, 1922. HERMAN A. METZ, New York, N. Y. Renewed August 15, 1942, to Dr. W. B. Caldwell, Inc., Monticello, Ill., a corporation of Illinois, assignee by mesne assignments.

22,050

METHOD OF FORMING BASIC LININGS OF FURNACES

Giovanni Battista Crespi, Ceriana, Italy

No Drawing. Original No. 2,206,277, dated July 2, 1940, Serial No. 225,614, August 18, 1938. Application for reissue June 21, 1941, Serial No. 399,220. In Italy August 27, 1937

3 Claims. (Cl. 266—43)

1. A method of forming a basic lining in a hearth or in other structural parts of a furnace, which consists in applying finely ground pure calcined dolomite in cold condition in successive layers upon the inner face of the furnace to be treated, tamping said dolomite layers one after the other against said face by a suitable tool until a unified and compact lining is formed, and transforming said lining by action of heat during furnace operation into a petrified monobloc mass.

22,051

DIRECTIVE ANTENNA SYSTEM

Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original No. 1,899,410, dated February 28, 1933, Serial No. 398,920, October 11, 1929. Application for reissue February 26, 1935, Serial No. 8,414

34 Claims. (Cl. 250—11)



1. An antenna comprising a conductor positioned at an angle greater than zero degrees and less than ninety degrees to a plane perpendicularly related to the path of propagation of a wave and having a length substantially equal to a half-wave length of the desired wave plus the projection of the antenna on the path of the propagated wave.

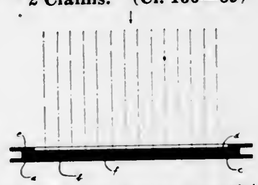
22,052

LIGHT-SENSITIVE DEVICE

Ottmar Geisler and Josef Eisele, Nuremberg, Germany, assignors, by mesne assignments, to Suddeutsche Apparatefabrik Gesellschaft m. b. H., Nuremberg, Germany, a corporation of Germany

Original No. 2,096,170, dated October 19, 1937, Serial No. 718,426, March 31, 1934. Application for reissue March 3, 1938, Serial No. 195,060. In Germany April 6, 1933

2 Claims. (Cl. 136—89)



1. A light sensitive device comprising a metallic base coated with a layer of light-sensitive selenium and a light-permeable layer covering said selenium consisting primarily of the product of the successive deposit on said selenium of cadmium and a relatively chemically inactive metal.

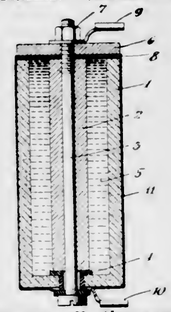
22,053

MAGNESIUM PRIMARY CELL

Samuel Ruben, New Rochelle, N. Y.

Original No. 2,257,130, dated September 30, 1941, Serial No. 340,738, June 15, 1940. Application for reissue December 24, 1941, Serial No. 424,305

9 Claims. (Cl. 136—100)



6. In a primary cell, the combination with a magnesium electrode of a cooperating electrode and an electrolyte, said electrolyte essentially comprising two compounds in each of which the magnesium is separately passive, one of said compounds being chromic acid and the other of said compounds being a fluoride having the property of causing the magnesium to lose its passivity in respect to the chromic acid during current flow.

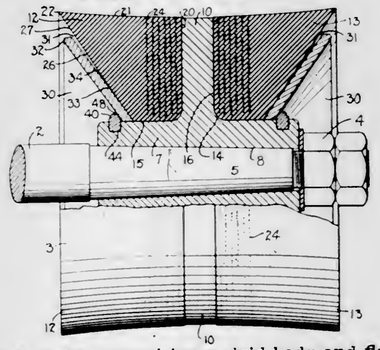
22,054

SLUSH PUMP PISTON

Dudley C. Sharp and Ranald M. Garrison, Houston, Tex., assignors to Mission Manufacturing Company, Houston, Tex., a corporation of Texas

Original No. 2,189,839, dated February 13, 1940, Serial No. 52,086, November 29, 1935. Application for reissue January 21, 1941, Serial No. 375,339

9 Claims. (Cl. 309—23)

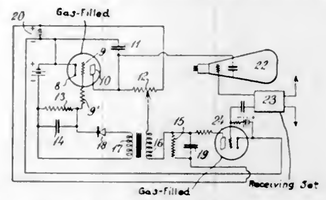


5. A piston comprising a rigid body and flange

assembly, a packing ring to slip on each end of the body and to abut against said flange to be supported thereby, said ring having a resilient outstanding lip and a reenforced support portion to abut said flange, a conical end on each ring, a conical retainer plate of a different taper than said end, a lock ring to hold said plate to said body, the different tapers of said plate and packing ring providing an annular space between the plate and packing ring so that said packing ring may move into said space when subjected to drag or pressures so that excessive friction on the liner walls will be avoided.

22,055
SYNCHRONIZATION SYSTEM FOR TELEVISION
Pierre Marie Gabriel Toulon, Puteaux, France, assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Original No. 2,227,815, dated January 7, 1941, Serial No. 151,807, July 3, 1937. Application for reissue April 24, 1941, Serial No. 390,212. In France July 8, 1936
13 Claims. (Cl. 250—36)

5. In a television receiver, a circuit for supplying periodic synchronizing signals consisting of a series of periodic pulses of small energy content relative to that of a sine wave of the same frequency and amplitude and subject to spurious pulses of similar nature, a relaxation device for generating a periodic output wave of approximately the same average frequency as said synchronizing signals, and means for substantially eliminating the effect of said spurious pulses and momentary interruptions of said periodic pulses comprising, means for deriving a periodic wave dependent in wave form upon the phase difference between said synchronizing signals and said

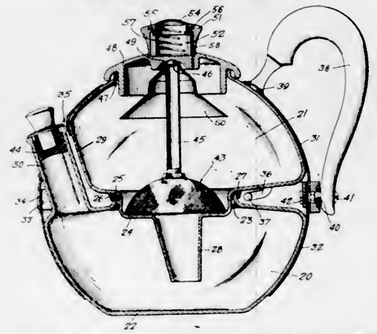


output wave of said relaxation device, rectifier means for developing from said derived wave a unidirectional control voltage, means for utilizing said control voltage to vary the instantaneous frequency of said relaxation device, thereby substantially to maintain said output of said device in phase with said synchronizing signals, and means for utilizing an output wave of said relaxation device to effect a scanning operation of said receiver.

PATENTS

GRANTED MARCH 24, 1942

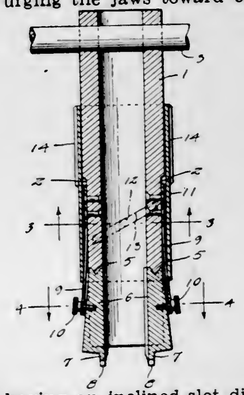
2,277,025
COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 27, 1939, Serial No. 301,524
18 Claims. (Cl. 53—3)



3. A coffee maker of the vacuum type comprising a lower vessel and an upper vessel superposed on the lower vessel and having a tube extending into the lower vessel near the bottom thereof; means for securing the vessels together so as to form a unitary utensil for brewing and pouring of the coffee; a pouring spout on the lower vessel; means for closing the spout against the passage of air while the water in the lower vessel is being expelled through the said tube and while the brewed coffee is returning to the lower vessel; a combined filter means and air inlet means mounted in said upper vessel comprising a plate for supporting a filtering medium and an air inlet tube mounted on and extending through said plate and in communication with the tube on the upper vessel extending into the lower vessel, said air inlet tube extending to a point above the highest liquid level in said upper vessel; a valve seating on the upper end of the tube; a cap closing an opening in the upper vessel; and means associated with said plate for urging said tube upward and holding said valve tightly against the undersurface of said cap.

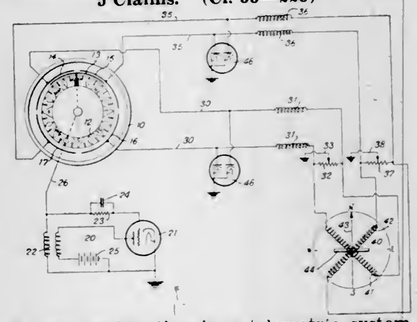
2,277,026
WRENCH
Carlos Saucedo, El Paso, Tex.
Application July 8, 1940, Serial No. 344,441
1 Claim. (Cl. 81—114)

A wrench for applying and removing notched ring packing nuts into and out of use and comprising a hollow cylindrical body having diametrically opposed flat faces on its outer surface and extending longitudinally thereof for a portion of its length, said body having diametrically opposed slots extending longitudinally thereof from one end to the flat faces, substantially V-shaped tongues formed on the inner ends of the slots, toothed jaws mounted in the slots and being notched to provide seats fitting and receiving the tongues therein for rocking movement of the jaws toward and away from each other, leaf spring having one of their ends secured to the flat faces and extending along the length thereof, said springs having their opposite end portions outwardly flared from the body and detachably secured to the jaws for normally urging the latter away from each other, a sleeve slidably mounted on the body and engaged with the springs for urging the jaws toward each other,



said sleeve having an inclined slot disposed circumferentially thereof, a set screw secured to the body and mounted in the slot of the sleeve for guiding the sleeve in a spiral path about the body, ribs formed on and extending longitudinally of the sleeve to facilitate movement thereof, and a handle detachably secured to the body.

2,277,027
TELEMETRIC SYSTEM
Francis West, Jr., Boston, Mass., assignor to West Instrument Co., Inc., New York, N. Y., a corporation of New York
Application May 2, 1940, Serial No. 332,906
5 Claims. (Cl. 33—223)



1. The combination in a telemetric system of a movable element, a condenser plate movable with said element, a plurality of relatively stationary condenser plates adjacent the path of movement of said movable plate, a receiver comprising a plurality of coils, conductors connecting said plates to said coils, a source of high frequency current connected to said movable plate and said conductors, means actuated thereby for establishing direct current in said coils whereby the magnetic field of said coils varies in ac-

cordance with the movement of said movable element and plate, and a movable member controlled by said field.

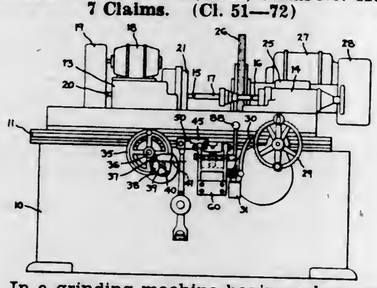
5. The combination in a telemetric system, of a rotatable element movable through 360°, a condenser plate movable with said element, a plurality of cooperating condenser plates adjacent to the path of movement of said movable plate, conductors connected to said plurality of plates and forming the opposite sides of an impedance capacity bridge, a source of substantially constant high frequency current connected to said conductors through said condenser plates, means for establishing direct current in said conductors, a repeater mechanism including a member rotatable through 360° for repeating the movement of said element, means for controlling the movement of said member including a movable magnetic element and a current responsive device connected across the conductors forming said bridge and having a coil cooperating with said magnetic element to control the movement thereof, whereby relative movement between said first named condenser plate and said co-operating plates unbalances said bridge to produce an actuating current through said device and said coil to operate said magnetic element and cause said member to move.

2,277,028

GRINDING MACHINE TABLE POSITIONING MECHANISM

Helm Fred Widener, West Boylston, and George T. Muskovin, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 17, 1941, Serial No. 419,458
7 Claims. (Cl. 51—72)



1. In a grinding machine having a base and a table slidably mounted thereon, a stop adjustably mounted on one of said parts having a plurality of spaced stop surfaces, an adjustable member on the other of said parts, a dial indicator on said member, a lever on said member arranged to actuate said indicator, said lever being arranged in the path of one of said stop surfaces, and means successively to position said member and lever in the path of successive stop surfaces on said stop dog.

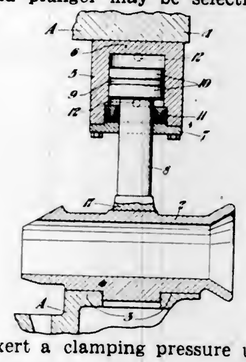
2,277,029

CANNON CLAMP

Raymond J. Anater, Glassport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application July 26, 1940, Serial No. 347,775
4 Claims. (Cl. 80—51)

1. A clamp for holding the cannon of a tube mill or the like, including a cylinder, a fluid-operated plunger vertically reciprocable therein and extending beyond one end of the cylinder, and means for pivotally mounting the cylinder upon the mill for horizontal swinging movement between the cannon and a vertically spaced abutment of the mill thereabove, whereby the cylinder and plunger may be selectively positioned to exert a clamping pressure upon said cannon.

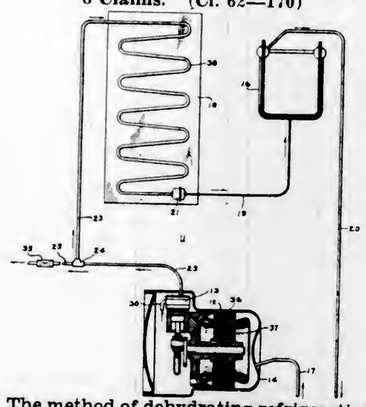


2,277,030

METHOD OF MANUFACTURING REFRIGERATING SYSTEMS

William B. Anderson, West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 25, 1940, Serial No. 362,717
8 Claims. (Cl. 62—170)



1. The method of dehydrating refrigeration apparatus before it is charged with a refrigerant, which refrigeration apparatus includes a motor, a compressor, a condenser, an evaporator, a flow-restricting device disposed between the condenser and evaporator and passages connecting said parts and forming therewith a circuit for the flow of gas, which method comprises passing gas first through said motor, exhausting a portion of the gas which has passed through said motor exteriorly of said circuit before it enters the condenser or evaporator, passing another portion of said gas, which has passed through said motor, through the condenser, flow-restricting device and evaporator and then exhausting said latter gas from said circuit.

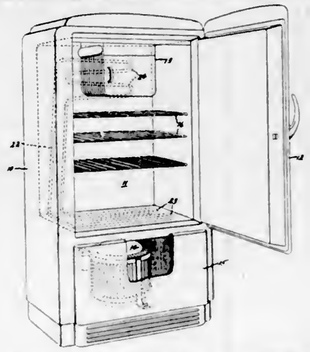
2,277,031

REFRIGERATOR

Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 1, 1939, Serial No. 302,388
3 Claims. (Cl. 62—89)

1. A refrigerator including a thermally insulated cabinet having inner walls providing a compartment to be cooled, a cooling element arranged to cool the air within said compartment by inducing a circulation of air in said compartment and tending to maintain one portion of said inner walls at a lower temperature than that of another portion thereof, said cooling element being spaced from said one portion of said inner walls, and means for substantially equalizing the temperatures in said portions of said inner walls, said means including a sealed container partially filled



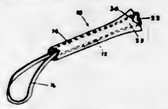
with a vaporizable liquid and comprising a vapor condensing portion arranged in good thermal conducting relation with said one portion of said inner walls and a liquid evaporating portion arranged in good thermal conducting relation with said other portion of said inner walls and a conduit connecting said condensing and evaporating portions whereby heat is absorbed by the vaporization of liquid in said evaporating portion and is conveyed by the vapor to said condensing portion.

2,277,032

HAIR CURLER

Riva Berman, New York, N. Y.

Application November 28, 1940, Serial No. 367,531
8 Claims. (Cl. 132—41)



1. A hair curler comprising a frame member, a tubular sheath fitting over said frame member in direct engagement therewith and thereby held in position thereon, said tubular sheath constituting means for the winding thereon of a strand of hair for the curling thereof, and a non-metallic hair-retaining member attached to said frame member at one end thereof and adapted to extend longitudinally of said sheath over the strand of hair wound thereon and adapted to be connected to said frame member at the opposite end thereof.

2,277,033

ALKYL ESTER OF 9-CYANO-NONANOIC ACID

William S. Bishop, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 22, 1940, Serial No. 366,717
2 Claims. (Cl. 260—464)

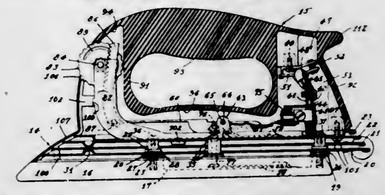
1. An alkyl ester of 9-cyano-nonanoic acid.

2,277,034

SADIRON

William Frank Bisley, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application March 30, 1939, Serial No. 264,925
32 Claims. (Cl. 219—25)



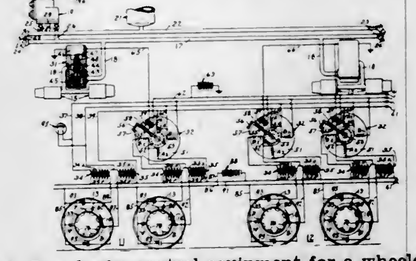
28. The combination in a sad-iron of an electrically heated sole plate unit, a handle unit having a handle proper and a base joined by a supporting portion, said handle parts being molded of insulation material, and an attachment insert molded into the underside of the base, said insert and the sole plate unit being shaped to provide inter-engaging parts for attachment of the one unit to the other.

2,277,035

BRAKE CONTROL MEANS

John Canetta, Wilkinsburg, and Paul N. Bossart, Cheswick, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 31, 1940, Serial No. 354,938
11 Claims. (Cl. 303—21)



1. In a brake control equipment for a wheeled vehicle of the type having means under the control of the operator for effecting application and release of the brakes associated with the vehicle wheels, in combination, means for supplying a polyphase voltage at a frequency proportional to the rotational speed of one wheel unit, means for supplying a polyphase voltage at a frequency proportional to the rotational speed of another wheel unit, and means effective upon the occurrence of at least a certain difference in the frequencies supplied by said polyphase supply means for causing a variation in the degree of application of the brakes associated with at least one of said wheel units.

2,277,036

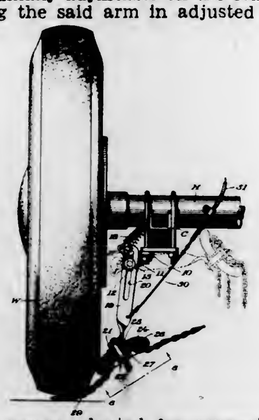
ANTISKID DEVICE

Francis P. Chaussee, Missoula, Mont.

Application March 10, 1941, Serial No. 382,630
3 Claims. (Cl. 188—4)

1. In an antiskid device for vehicles, a bearing member adapted for connection with the vehicle, a pivot stud rotatably mounted in the bearing member, an arm connected to and ro-

tatable with the said pivot stud, the said arm being longitudinally adjustable on the stud, means for securing the said arm in adjusted position,



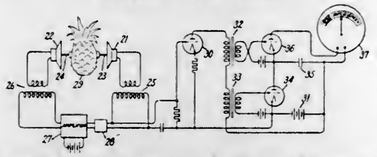
and spring means adapted for connection with the stud for yieldingly urging the stud and arm to a predetermined operative position.

2,277,037

FRUIT RIPENESS TESTER

Howard L. Clark, Ballston Lake, and Walter Mikelson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application January 16, 1940, Serial No. 314,075
1 Claim. (Cl. 73—51)



Apparatus for testing fruit to determine its condition of ripeness comprising an electro-magnetic transmitter and an electro-magnetic receiver, each of the telephone type and each having their vibratory magnetic membrane members adapted to be connected in vibration transmitting relation with a sample of fruit to be tested such that mechanical vibrations may be transmitted from transmitter to receiver through such fruit sample in accordance with the mechanical vibration characteristics of such sample, electrical connections including an amplifier coupling the coils of the transmitter and receiver such that when a fruit sample is in testing position a regenerative feed-back oscillatory circuit is formed, the frequency of oscillation of which is determined by the mechanical vibration characteristics of such sample, and means for measuring the frequency of said oscillating circuit independently of the intensity of the oscillating current therein in terms of the condition of fruit ripeness.

2,277,038

ANESTHETIC PREPARATION

David Curtis, New York, N. Y.

No Drawing. Application October 30, 1937, Serial No. 171,992
10 Claims. (Cl. 167—52)

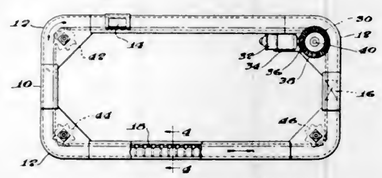
2. An anesthetic preparation comprising essentially procaine borate and as an agent for increasing the stability thereof, at least one acid-reacting acid anesthetic salt of a polybasic acid.

2,277,039

CONVEYER

Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts

Application April 3, 1940, Serial No. 327,667
7 Claims. (Cl. 198—174)



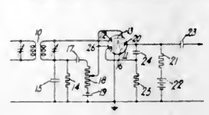
1. In a conveyer of the character described, in combination, a casing, an endless conveying element traversable therethrough, said conveyer element comprising a plurality of detachably and pivotally connected flight members, said flights comprising substantially rectangular and transversely extended flight portions of solid construction each having a top edge, and longitudinally extended connecting links disposed above said flight portions and intermediate the side edges thereof, each of said links being provided with a vertically disposed hollow hub portion and a relatively narrow portion extended angularly from one side of said top edge for integrally connecting the top edge of said flight to the hub, each of said links being also provided with a lug for reception in the hollow hub of a preceding member, and means within said casing extending from a wall thereof and including a transverse portion disposed between said rectangular flight portions and said connecting links and serving as a support for said conveyer element.

2,277,040

NOISE LIMITING CIRCUIT

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application May 18, 1940, Serial No. 335,975
2 Claims. (Cl. 250—20)



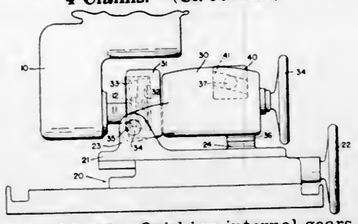
1. The combination, in a receiver of carrier waves modulated in accordance with audio frequency signals, of a detector for demodulating the received carrier waves, an amplifier for amplifying the audio frequency demodulation products of said detector, a resistance element and a capacity element serially connected in circuit across the output of said amplifier, said elements having a time constant approximating the syllabic inflections of the human voice, a unilaterally conducting path connected across said resistance element, and means comprising said path and said elements for producing across said path, by rectification of said products in said path itself, a syllabic bias which varies substantially in accordance with the envelope of said audio frequency signals, said path being poled to be conductive in response to voltage surges which are transmitted through said detector and said amplifier and which exceed said bias.

2,277,041

APPARATUS FOR CROWNING INTERNAL GEARS

Robert S. Drummond, Detroit, Mich.

Application June 14, 1937, Serial No. 148,225
4 Claims. (Cl. 90—1.6)



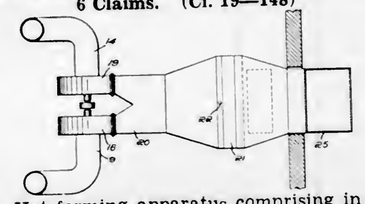
1. A machine for finishing internal gears comprising a tool supporting head, a tool in the form of a gear member rotatably mounted on said head, a work carriage mounted for translation, a work supporting head pivotally mounted on said carriage, means on said work supporting head for rotatably carrying an internal gear member to be finished in mesh with said tool with the axes of said gear members crossed at an angle less than 30°, means for rotating one of said gear members directly and the other gear member only through the intermeshing engagement of said members, means for translating said carriage in a direction oblique to the axis of said tool, and means operable automatically in accordance with translation of said carriage for pivoting said work supporting head about an axis passing substantially through the zone of meshing engagement of said members.

2,277,042

HAT FORMING SYSTEM

Lester O. Ray Clark, West Hartford, Conn., assignor to B. F. Sturtevant Company, Boston, Mass.

Application February 20, 1941, Serial No. 379,817
6 Claims. (Cl. 19—148)



1. Hat forming apparatus comprising in combination, a former housing, a pair of former cones adapted alternately, one to be moved into and the other to be moved simultaneously out of said housing, means for feeding fur into said housing for deposit upon one of said cones for forming a hat thereon, means for spraying a liquid upon the other of said cones for wetting a hat bat previously formed thereon, a pair of fans, ducts connecting the inlets of said fans with the bases of said cones for applying suction thereto, an eliminator for entrained moisture, a duct connecting the outlets of said fans with the inlet of said eliminator, and another duct connecting the outlet of said eliminator with said housing above said fur feeding means.

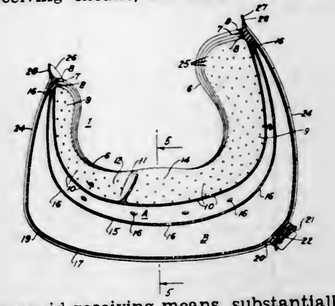
2,277,043

INFANT'S DIAPER SUBSTITUTE

Lee Cohn, San Francisco, Calif., assignor of forty-nine per cent to L. J. Miller, San Francisco, Calif.

Application July 20, 1940, Serial No. 346,580
12 Claims. (Cl. 128—284)

1. A diaper substitute, comprising discharge-receiving means arranged to enclose the urinary and fecal organs, means for maintaining and discharge-receiving means in sealing relation about said organs, drainage means formed through said receiving means, an inner enclosure sur-



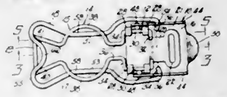
rounding said receiving means, substantially undirectional drainage means associated with said inner enclosure, an outer enclosure surrounding said inner enclosure, an outlet formed in said outer enclosure, and means for closing said outlet.

2,277,044

CLASP

John B. Freysinger, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut

Application December 15, 1939, Serial No. 309,382
5 Claims. (Cl. 24—248)



1. A clasp comprising a base member having a portion securable to a flexible anchor strap, a gripping member mounted on the base member, said gripping member comprising a loop having a reduced outer end, a clamping member pivotally mounted on the base member, a second gripping member pivotally mounted on the clamping member and comprising a loop having an enlarged outer end through which the reduced end of the first gripping member may pass and cooperating means carried by the outer ends of said gripping members for interlocking same when the end of one gripping member is positioned within the other.

2,277,045

COMBINED REFRIGERATIVE COOLING AND PRESSURE VENTILATION SYSTEM

Milton E. Hanson, Haddonfield, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.

Application August 17, 1940, Serial No. 353,019
4 Claims. (Cl. 62—6)



3. An air conditioning system for a passenger vehicle comprising an overhead duct connecting with outdoor air, a plurality of fans including a centrally located fan, connecting through said duct with the passenger space of said vehicle, dampers in said duct on one side of said centrally located fan and evaporator tubes in said duct in the other side of said centrally located fan, means including a compressor for supplying re-

frigeration to said tubes, and means including a thermostat in said passenger space for energizing said compressor and for adjusting said dampers to decrease the volume of air passing therethrough to said one of said fans, upon an increase in temperature above a predetermined point.

2,277,046

OXIDATION OF MERCUROUS SULPHATE

Karl M. Herstein, Brooklyn, N. Y., assignor to Acrolein Corporation, a corporation of Delaware

No Drawing. Application September 27, 1939, Serial No. 296,772

5 Claims. (Cl. 23—117)

1. The process of treating compositions containing mercurous sulphate and sulphuric acid which comprises separating the mercurous sulphate from the composition, converting sulphuric acid in the composition into persulphuric acid and treating mercurous sulphate originally separated with the persulphuric acid produced.

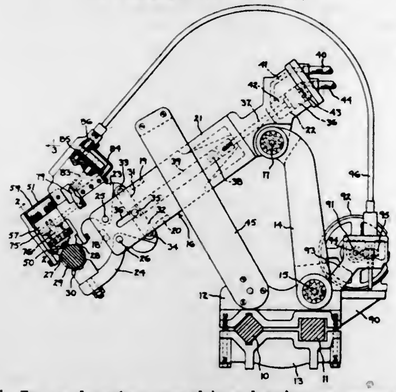
2,277,047

LAPPING ARM

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 17, 1941, Serial No. 383,755

8 Claims. (Cl. 51—67)



1. In a lapping machine having a movable lapping arm, a work engaging shoe on said arm to engage the periphery of a work piece so as to take up the thrust of said arm, a reciprocable lapping stick on said arm adjacent to said shoe, a flat spring on said arm which is free to move in a direction normal to the work axis to support said lapping stick, and means to flex said spring so as to impart a reciprocatory movement to said lapping stick.

2,277,048

THIXOTROPIC COMPOSITION OF MATTER

Martin Leatherman, Hyattsville, Md.; dedicated to the free use of the People in the territory of the United States of America

No Drawing. Application October 22, 1940, Serial No. 362,243

2 Claims. (Cl. 252—311)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A thixotropic composition of matter, comprising an aqueous dispersion of water-insoluble metallic resinate, calcium proteinate, and a trace of lime.

2,277,049

TEXTILE FABRIC AND METHOD OF MAKING SAME

Raymond E. Reed, Walpole, Mass., assignor to The Kendall Company, Walpole, Mass., a corporation of Massachusetts

No Drawing. Application November 6, 1939, Serial No. 303,021

23 Claims. (Cl. 154—2)

1. A textile sheet material comprising a plurality of superposed carded webs of heterogeneously mixed textile fibers of different types, one type of said fibers having latent coalescent properties and both kinds of fibers being bonded together by the coalescent characteristics of the fibers of the latter type and being secured thereby in a relatively fixed relationship to each other, with relatively long lengths of a high proportion of said fibers free from attachment to other fibers.

14. That improvement in methods of making textile structures which consists in making a web in which textile fibers and binder fibers having normally latent coalescent properties adapted to be developed by heat are intimately dry mixed with each other in an unspun or heterogeneous relationship, heating said web and thereby developing the coalescent properties of said binder fibers, and, while the latter fibers are so rendered coalescent, pressing the web to unite the two kinds of said fibers to each other in a relatively fixed relationship, and thereby to produce a unified sheeted structure but with relatively long lengths of said textile fibers free from attachment to said binder fibers.

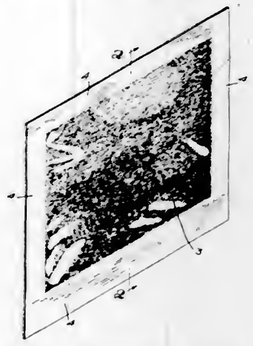
2,277,050

INFUSER

Raymond E. Reed and John F. Ryan, Walpole, Mass., assignors to The Kendall Company, Walpole, Mass., a corporation of Massachusetts

Application August 31, 1940, Serial No. 355,062

17 Claims. (Cl. 99—77.1)



16. An infuser comprising a porous envelope for enclosing a material adapted to be infused in a liquid, a substantial portion at least of said envelope consisting essentially of an unwoven sheet material composed of unspun textile fibers and water-insoluble thermoplastic binder fibers intimately intermingled with each other and united by the coalescence of the fibers, said binder fibers being stable in hot water but being adapted to become adhesive at temperatures above that of boiling water.

17. An infuser according to preceding claim 16, in which both said unspun fibers and said binder fibers are of a cellulosic nature.

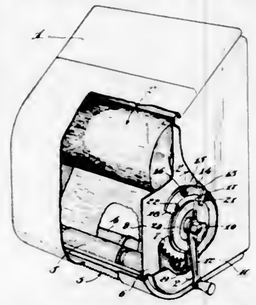
2,277,051

TOWEL DISPENSER

Wilfred H. West, San Francisco, Calif., assignor to Towlsaver, Inc., Los Angeles, Calif.

Application April 16, 1938, Serial No. 202,489

8 Claims. (Cl. 271—2.3)



1. A towel dispenser comprising a cabinet adapted to contain toweling and having a dispensing opening, means for dispensing toweling through said opening including a manually rotatable operating member disposed exteriorly of said cabinet, and stop means for controlling said dispensing means including a dog pivotally and bodily movable mounted on said cabinet, and a stop member mounted to rotate with said operating member and cooperating portions on said dog and stop member for stopping the operation of said dispensing means when a predetermined amount of toweling has been dispensed and for releasing said dispensing means when the operating member is moved in a direction other than that required to dispense toweling.

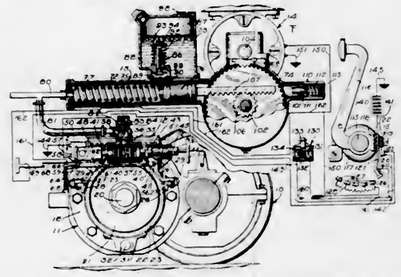
2,277,052

BRAKE APPARATUS

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 21, 1940, Serial No. 357,736

10 Claims. (Cl. 188—170)



1. A vehicle brake equipment comprising spring actuated braking means, apparatus for releasing said spring braking means including a torque motor and means for transmitting a force corresponding to the static torque of said motor to said spring actuated braking means, an electroresponsive latch device operative when energized to maintain said spring actuated braking means in release position, controller means having a release position for energizing said electroresponsive latch device while said torque motor is deenergized, and switch means constructed and arranged to close a circuit for energizing said torque motor in the event of failure of said latch device while said controller is disposed in release position.

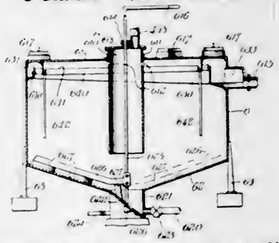
2,277,053

APPARATUS FOR RECOVERY OF LIQUIDS FROM SOLIDS

Henry L. Alexander, Wilmington, and Hubert I. Du Pont, Rockland, Del., and Willing B. Foulke, Media, Pa., assignors to Delaware Chemical Engineering and Development Company, Wilmington, Del., a corporation of Delaware

Original application August 31, 1936, Serial No. 98,819, now Patent No. 2,150,899, dated March 21, 1939. Divided and this application March 20, 1939, Serial No. 263,083

3 Claims. (Cl. 210—55)



1. A settling tank for separating solid matter suspended in a liquid from said liquid which comprises; a tank of generally circular cross-section provided with a generally conical bottom; an inlet pipe centrally disposed within said settling tank and having its outlet end positioned below the normal level of liquid in said settling tank whereby a suspension of solids in liquid may be introduced through said inlet pipe into said settling tank adjacent the bottom of said tank and in such manner that the settling of solids previously introduced into said tank is not appreciably disturbed by the introduction of further amounts of said suspension, said centrally disposed inlet pipe being in communication with a conduit for supplying a suspension of solids in liquids from an outside source to said settling tank; a circumferentially extending channel positioned within said settling tank and at the upper portion thereof, said channel paralleling the circumferential external wall of said settling tank and being provided with a weir portion over which supernatant liquid may flow from said settling tank into said circumferentially extending channel; a scum gutter positioned closely adjacent said channel and closely paralleling said channel, said scum gutter being formed with an edge portion positioned at a slightly lower level than the level of said weir, whereby floating scum may be withdrawn from said supernatant liquid into said scum gutter before said supernatant liquid can overflow said weir into said circumferentially extending channel; means for returning said removed scum to the lower portion of said settling tank; a conduit for transporting said supernatant liquid from said circumferentially extending channel outside of said settling tank; and means for removing precipitated solids from the bottom of said settling tank.

2,277,054

RAIL CROPPING MACHINE

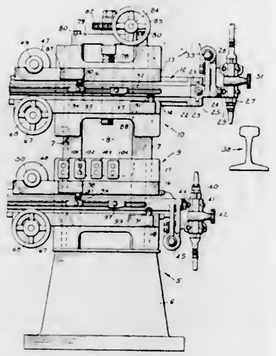
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application January 10, 1941, Serial No. 373,920

26 Claims. (Cl. 266—23)

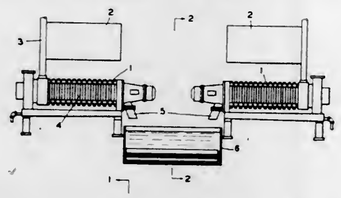
1. A rail cutting machine including a frame,

two independently movable slides, guides on the frame in which said slides move horizontally and parallel to one another, a torch holder on one slide in position to support a torch over the ball



of a rail for cutting through the ball and a portion of the web, and a torch holder on the other slide in position to support a torch under the flange of the rail for cutting through the flange and the remaining portion of the web.

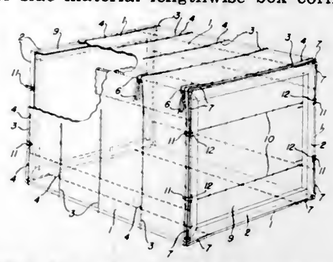
2,277,055
TREATMENT OF OIL CAKE
Orlin S. Anderson, Lakewood, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1940, Serial No. 342,857
9 Claims. (Cl. 99—2)



1. The method of treating oil bearing proteinacious materials, comprising subjecting the material to increasing pressure in a continuously acting high pressure screw press to thereby separate oil from cake fragments which are at a temperature sufficiently high to cause deterioration, and without appreciable loss of heat immersing the hot cake fragments in water for a predetermined period to thereby simultaneously cool them and increase their moisture content.

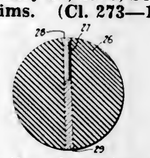
2,277,056
BOX
Guilford C. Babcock, Morris Township, Morris County, and Earl R. Stivers, Rockaway, N. J., assignors to Stapling Machines Co., a corporation of Delaware
Application March 14, 1940, Serial No. 323,906
13 Claims. (Cl. 229—23)

1. A wirebound fiberboard box comprising four separate sections of fiberboard side material and end cleats connected together by wires tensioned over box corners and stapled to the side material and the cleats; edges of each section of fiberboard side material being folded under the body of the side material to provide a double thickness of side material lengthwise box corners to



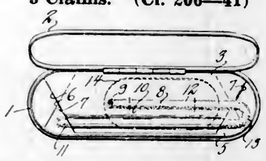
strengthen the corners and resist the pressure of the tensioned wires.

2,277,057
MAGNETIC DEVICE
Jesse M. Bach, Bronx, N. Y.
Application February 24, 1940, Serial No. 320,615
7 Claims. (Cl. 273—118)



1. A device of the character described comprising a body of non-magnetic material having a substantially spherical surface, and permanent magnetic means, at least one portion of said means lying in said surface and providing magnetic flux thereat, said portion being conformed substantially to the contour of said surface whereas the remainder of said means is embedded within said body.

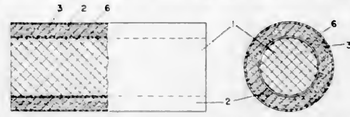
2,277,058
PACKAGING
William O. Ballard and Clifford J. Kraemer, Toledo, Ohio
Application November 4, 1937, Serial No. 172,730
3 Claims. (Cl. 206—41)



1. A can having a cover, a material housing envelope in said can provided with a fold as a seal therefor, a resilient U-shaped member between said cover and envelope providing a pair of legs, one of said legs embraced by said fold and the other leg free to spring outwardly from said can upon shifting said cover to can-open position.

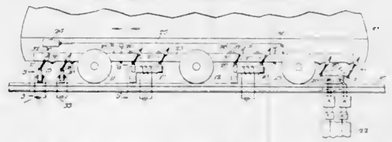
2,277,059
BLASTING CARTRIDGE
Jacob Barab, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application August 17, 1938. Serial No. 225,342
6 Claims. (Cl. 102—6)

1. An improved blasting assembly including an explosive cartridge surrounded by a preformed, annular, tubular sheath comprising an admixture of expanded mica pellets and a flame quenching salt, said sheath characterized by a semi-



rigid, cellular, favose structure which is adapted to provide a cushioning action for the initial explosive shock.

2,277,060
FLAW DETECTION APPARATUS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application July 15, 1937, Serial No. 153,804
8 Claims. (Cl. 175—183)



1. In a car for detecting flaws in rails, the combination of a magnet adapted to send a magnetic flux progressively through the rail, a detecting unit positioned outside of the field of said magnet and responsive only to residual magnetism in the rail, a wheel intermediate the magnet and the detecting unit and means for mounting the magnet and detector unit on the car so that in operative position, both are above and out of contact with the rail, whereby the distance between the detecting unit and the rail surface varies as the car moves along the track.

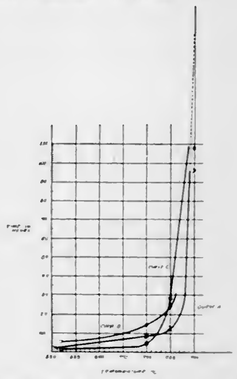
2,277,061
LEAD ALUMINATE PIGMENT AND PAINT AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application March 28, 1939, Serial No. 264,583
20 Claims. (Cl. 23—52)

11. The method of making an essentially pure, white hydrated lead aluminate pigment having improved hiding power and dispersibility in vehicles which consists in making a mixture of such lead and aluminum compounds as will, upon heating, supply to the product only lead and aluminum oxides, heating the mixture until the said oxides chemically combine in the solid phase without fusion and then treating the product with water for a time sufficient to form said hydrated lead aluminate pigment but insufficient to discolor the product.

2,277,062
LEAD ALUMINATE PIGMENT AND PAINT AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application April 25, 1939, Serial No. 270,012
13 Claims. (Cl. 23—52)

1. The method of making an essentially pure, white, stabilized hydrated lead aluminate pigment, which consists in pre-calcining aluminum oxide at temperatures above 900° C., mixing the pre-calcined aluminum oxide and a lead compound which, upon heating, will supply to the product only lead oxide, heating the mixture in the temperature range 725° C. to 880° C. until the oxides of lead and aluminum chemically combine in the solid phase without fusion and treating the product with water to form said stabilized hydrated lead aluminate pigment.

2,277,063
LEAD ALUMINATE PIGMENT AND PAINT AND METHOD OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application April 25, 1939, Serial No. 270,013
24 Claims. (Cl. 23—52)



12. The method of making an essentially pure, white, anhydrous, water-insoluble lead aluminate pigment, which consists in intimately mixing such lead and aluminum compounds as will, upon heating, supply to the product only lead oxide (PbO) and aluminum oxide and then heating the mixture in the temperature range 725° C. to 880° C. for a time not exceeding 40 hours until the oxides substantially completely combine in the solid phase without fusion to form said lead aluminate pigment.

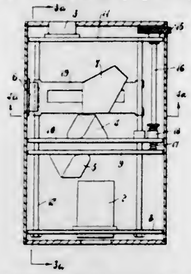
2,277,064
FLUX
Jerome Milton Bialosky and Menahem Merlub-Sobel, Cleveland Heights, Ohio, assignors, by mesne assignments, to William L. Ulmer, Cleveland, Ohio
No Drawing. Continuation of application Serial No. 228,398, September 3, 1938. This application May 15, 1940, Serial No. 335,406
13 Claims. (Cl. 148—23)

1. A liquid for entrainment by gas to be delivered to a torch containing compounds selected from the group of volatile halides and compounds selected from the group of volatile boron compounds.

2,277,065
PRISM-MONOCULAR
Richard Bock, London, England
Application October 2, 1939, Serial No. 297,609
In Great Britain October 5, 1938
8 Claims. (Cl. 88—33)

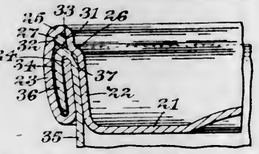
1. A prism-monocular for the purpose set forth comprising a casing including a pair of sides and front and rear ends, said rear being formed with an opening therein, said front being formed with an opening between its center and one of said sides, said one of said sides being formed with an opening between its center and said front end, an eyepiece within the rear por-

tion of the casing and aligning with said opening in said rear end, an achromatic objective arranged at the opening in the front portion of and within the casing, a second achromatic objective arranged at the opening in the side of the casing rearwardly of said first mentioned objective, and offset relative to said eyepiece, a pentagonal



prism within said casing and opposing said second objective, front and rear oppositely disposed doubly reflecting prisms arranged within the casing between the pentagonal prism and said eyepiece, said front and rear prisms being offset with respect to the axis of said eyepiece and with respect to the axis of the first objective.

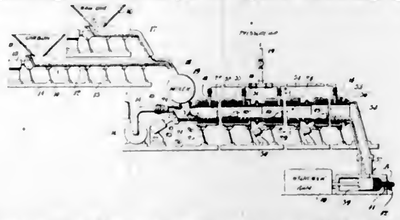
2,277,066
TIN OR SHEET METAL CONTAINER
Peter Bogner, London, England, assignor to Saml. Hanson & Son Limited, London, England, a British company
Application February 18, 1938, Serial No. 191,230
In Great Britain July 1, 1937
6 Claims. (Cl. 220—49)



5. A container end closure made of bent sheet metal, comprising a central portion having its edges bent upwardly to form a flange adapted to fit within the body of a container, then bent outwardly to form a shoulder, then bent upwardly, outwardly and downwardly to form a ridge with a channel therein, and then bent outwardly to form a skirt adapted for lock-seaming, and a rip wire in the channel, said wire having one end extending through the ridge and along the upper surface of the closure, the innermost face of the ridge extending upwardly in such a direction relative to the central vertical axis of the closure that it does not project upwardly and inwardly toward the axis at any point, the channel being of a total depth approximating the diameter of the rip wire and being of a width approximating the diameter of the rip wire.

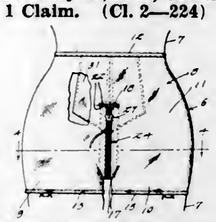
2,277,067
MANUFACTURE OF METAL PRODUCTS
Herman A. Brassert, New York, N. Y., assignor to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware
Application February 16, 1940, Serial No. 319,197
6 Claims. (Cl. 75—10)

1. The process of making a metallic product, which comprises mixing pulverulent raw ore and pulverulent carbon, vibrating the mixture at high frequency while heating the same by electric induction to effect reduction of the raw ore without fusion, whereby the mixture is moved through the zone of heating and the rubbing between the particles caused by said vibration accelerates the reducing reaction by repeatedly rupturing the envelope of spent reducing gas



surrounding the ore particles to admit fresh reagent thereto, effecting a constant movement of the gaseous products of the reduction out of the reaction zone in counterflow relation to the movement of said mixture therethrough and supplying oxygen sufficient only to burn the combustible constituents of said gaseous products of the reduction during said counterflow movement.

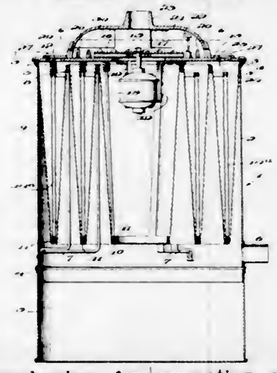
2,277,068
GARMENT
Evelyn Ford Bulloch, Pasadena, Calif.
Application January 18, 1940, Serial No. 314,539
1 Claim. (Cl. 2—224)



In a foundation garment for women's wear, an endless girdle part possessing inherent close fitting characteristics and formed of a front, a back, a pair of sides and a crotch, spaced short leg parts possessing inherent snug fitting characteristics integral with and depending from said girdle part adjacent opposite sides of the crotch, said girdle part being formed with a slit having a rear portion disposed downwardly on the vertical median of said back, a front portion disposed upwardly on the vertical median of said front and an intermediate portion disposed on the horizontal median of the crotch from said rear to said front portions, said slit having front and rear ends, said rear end being closed and so located at said back to provide when the garment is worn to align with a point above and in close proximity to the upper end of the rectal cavity of the wearer, slide fastener means secured to the inner face of said front, crotch and back, bordering both sides of, coextensive with and extended from both sides of the slit and providing for opening and closing the latter, the slide of said means when the slit is closed being located at the front end of the slit and when the slit is opened being located at the rear end of the slit, a folded protecting member of strip-like form secured to the inner face of a side portion of said means, corresponding in length to the length of the slit, extending from such side and opposing the inner face of the other side of said means when the slit is closed, said slit having its front end closed, said front end being so located in

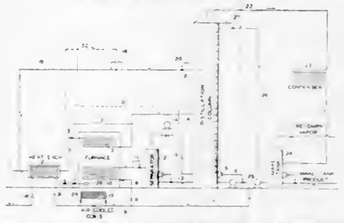
said front of the girdle part to provide, when the garment is worn to align with a point above and in proximity to the pubic region of the wearer and below the top of said front of the girdle part, reinforcing means for the rear end of the slit carried by the back of the girdle part, reinforcing means for the front end of the slit carried by the front of the girdle part, and a non-elastic reinforcing means secured to the inner face of the upper portion of the front of the girdle part and slitted centrally of its lower portion, the slit in said reinforcing means registering with the upper part of the front portion of the said other slit.

2,277,069
VACUUM CLEANER
Maurel G. Burwell, Columbus, Ohio
Application March 31, 1939, Serial No. 265,318
7 Claims. (Cl. 183—37)



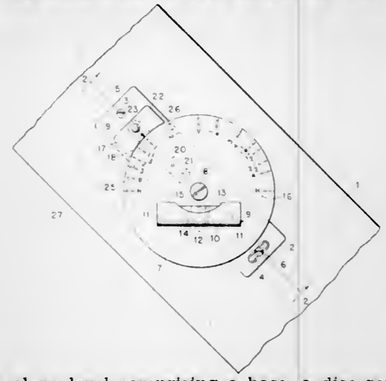
4. A mechanism for converting a vacuum cleaner of the type having a casing formed with primary air inlet and outlets and a motor driven fan for establishing a flow of air through said casing into a blower, comprising secondary air inlet and outlets, and valve means normally closing the secondary air inlet, said valve means being movable to a position to close the first air outlet and open the secondary air inlet.

2,277,070
METHOD OF SEPARATING LIQUIDS AND GASES
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 28, 1939, Serial No. 270,683
2 Claims. (Cl. 196—8)



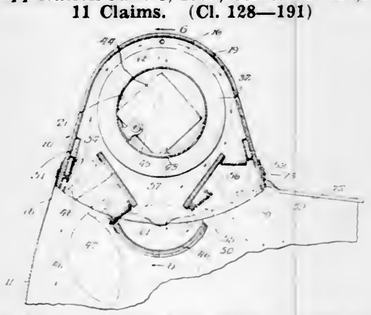
1. The process of removing the desirable constituents from an enriched absorption oil which comprises heating the enriched absorption oil to the desired temperature in a fire still, passing the enriched absorption oil to the feed zone of a distillation column from which the desired product is taken off as a vapor, condensing said vapor and returning a part of the same as reflux, passing the denuded absorption oil from the distillation zone back to the absorber, diverting a portion of the denuded absorption oil to a heater to vaporize a part of the same, passing the unvaporized liquid and a controlled amount of vapor back to the distillation zone and contacting the enriched absorption oil in the distillation zone with the proper amount of vapor to separate the desired constituents from the absorption oil.

2,277,071
SLOPE LEVEL
James T. Cassell, Oroville, Calif.
Application June 17, 1941, Serial No. 398,443
1 Claim. (Cl. 33—213)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A slope level comprising a base, a disc rotatably carried by the base and having slope indicating marks thereon with a recess associated with each mark, said base having a projection with an arcuate edge coinciding with the disc periphery, a leaf spring carried by the base and carrying a projection designed to enter any one of the recesses for locking the disc against rotation, and a push button for moving the spring and freeing the projection from a recess.

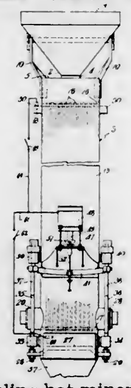
2,277,072
OXYGEN TENT
David J. Cohn, Chicago, Ill.
Application June 3, 1938, Serial No. 211,540
11 Claims. (Cl. 128—191)



10. In an oxygen tent of the character described, a control unit adapted to be supported directly above a patient, cooling means including a cylindrical container for dry ice forming a part

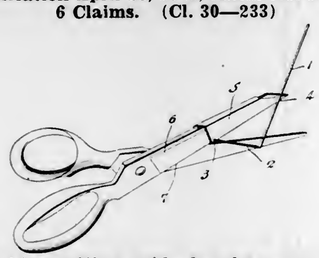
of said control unit, and means other than circulation of air around said dry ice container for controlling the temperature of said cooling unit when a given quantity of dry ice is disposed within the container, said last-mentioned means comprising an insulating support within the container covering a portion of the interior surface thereof, and adapted to be moved radially to cause said dry ice to contact more or less of the surface of the container, the cooling effect of the dry ice being determined by the relative proportion thereof in contact with said insulating support as compared to the proportion thereof in contact with the inner wall of the container.

2,277,073
METHOD AND APPARATUS FOR TREATING GRANULAR MATERIALS
Clarence L. Colbert, Elizabeth, N. J., assignor to Fiske Brick & Granule Company, Boston, Mass., a corporation of Massachusetts
Application April 3, 1937, Serial No. 134,832
7 Claims. (Cl. 62—104)



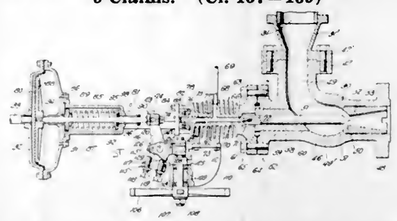
1. Method of cooling hot mineral granular materials comprising the step of conducting heated granules and the hot gases associated therewith into the form of an extended stream, causing the stream to flow in contact with impermeable enclosing walls of heat conductive material, withdrawing said gases, introducing a cooling stream of gas inert to such hot mineral material into the stream, and circulating cooling water in contact with the outside surface of said enclosing walls.

2,277,074
GUIDE FOR SHEARS
Alice B. Copeland, Turlock, Calif.
Application April 23, 1940, Serial No. 331,149
6 Claims. (Cl. 30—233)



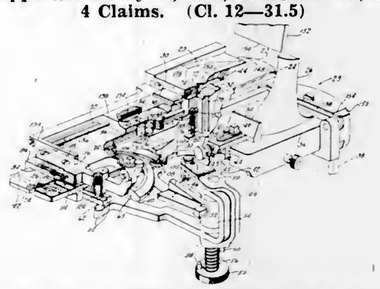
1. A bias cutting guide for shears comprising a support and a guide bar affixed thereto, substantially as specified.

2,277,075
APPARATUS FOR THE CONTROL OF HYDROCARBONS
Edward T. Dahl, Abington, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary trust of Massachusetts
Application February 11, 1938, Serial No. 189,950
5 Claims. (Cl. 137—139)



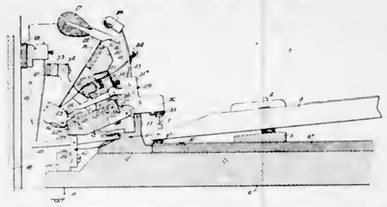
1. A control valve having a passage for the flow of a controlled medium and a valve plug for controlling the flow through said passage, a power device capable of actuating said plug throughout its total range of movement, means connected to said plug and movable therewith, a pivotally mounted angle lever having a free end in the range of movement of said means for restricting the movement effected by said power device to a portion only of the total range of movement of said plug, and a hand device in operative connection with the other end of said lever for varying the position of its free end within the path of movement of said means to adjust the range of plug movement effected by the power device within its total range of movement.

2,277,076
HEEL-SEAT FITTING MACHINE
William S. Dallas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 25, 1940, Serial No. 347,450
4 Claims. (Cl. 12—31.5)



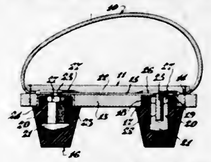
1. A heel-seat fitting machine having, in combination, a stop, a measuring gage which comprises a movable abutment constructed and arranged to engage one end of a heel and which comprises a fixed but readily interchangeable abutment constructed and arranged to engage an opposite end of the heel, mechanism for connecting said movable abutment to the stop to move said stop into different operative positions in accordance with the position of said movable abutment, a member constructed and arranged to be moved into engagement with the stop, a back gage which is adjustable with relation to said member and is constructed and arranged to be engaged by the rear end of a shoe to position said shoe lengthwise in the machine, markings for selectively locating the back gage in any one of several predetermined positions in accordance with the particular fixed abutment used in the heel measuring gage, and means comprising a pawl and recess arrangement for securing the positioned back gage to said member, said back gage and said member being movable under pressure of the shoe until said member is moved against the stop thereby positioning the shoe lengthwise in the machine in accordance with the length of the heel in the heel measuring gage.

2,277,077
PIANO ACTION
Charles H. Dasenbrook, Rockford, Ill., assignor to Thayer Action Company, Rockford, Ill., a corporation of Illinois
Application March 9, 1940, Serial No. 323,080
11 Claims. (Cl. 84—240)



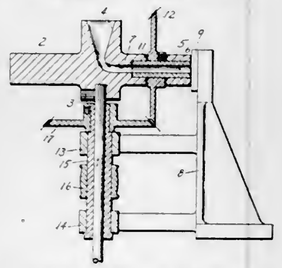
1. An action for a piano of the vertical string type having, in combination, a horizontal key bed, a key fulcrumed thereon and having a capstan projecting upwardly from its rear end, a generally horizontal main rail supported above said bed and extending transversely of said key, said rail being inclined downwardly and rearwardly relative to the bed, a hammer swingable in a vertical plane and having a shank with a butt at its lower end pivotally supported on and adjacent the rear edge of said rail, said butt having a knuckle adjacent said shank facing upwardly and forwardly, a whip in the form of a bellcrank pivotally supported intermediate its ends from the forward edge of said rail and having upstanding and horizontal arms, the horizontal arm overlying and bearing downwardly against said capstan, a jack fulcrumed on said upstanding arm and extending horizontally and rearwardly along the top of said rail with its free end engaging said knuckle, a catcher on the upper end of said shank and on the side of the latter opposite hammer, and a back check engageable with said catcher and supported from the upper end of said upstanding whip arm.

2,277,078
ATHLETIC SHOE
Olin W. Davis and William E. McClure, Dayton, Ky.
Application February 19, 1940, Serial No. 319,572
3 Claims. (Cl. 36—2.5)
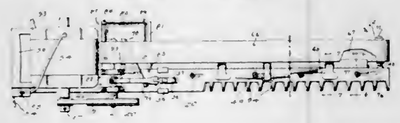


1. A sole construction for a shoe comprising an inner sole, an outer sole, a plate disposed between said soles, said outer sole including an opening therethrough, a socket element secured in said opening, a stud disposed axially in the opening and fixed to the plate and the socket, and a cleat element countersunk in said opening and including a sleeve element embedded axially therein, said sleeve element including a portion screw threaded on the stud and a rounded head disposed downwardly.

2,277,079
STAPLE FIBER CUTTER
Hobart O. Davidson, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 25, 1941, Serial No. 412,237
7 Claims. (Cl. 164—61)



7. An apparatus of the character described comprising a rotatable disc, a channel therethrough having a generally axially extending portion and a radially extending portion, means for feeding a filamentary bundle into the first-mentioned portion of said channel, a cylindrical sleeve surrounding at least part of said radially extended portion, cutting means adjacent the periphery of said disc, means for rotating said disc and means for rotating said sleeve about its axis at a speed sufficient to remove from said bundle the twist acquired by virtue of the rotation of said disc.

2,277,080
HEDGE TRIMMER
William Lawrence Davis, Alexandria, Va.
Application November 20, 1940, Serial No. 366,487
9 Claims. (Cl. 30—124)

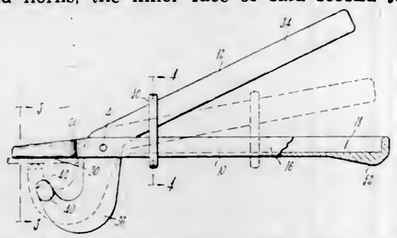


2. A hedge trimmer comprising a stationary cutter, a reciprocal cutter, means for reciprocating said reciprocal cutter, a collector, means supporting said collector at one end of said cutters, an endless means for conveying the cuttings in the direction of said collector including an upper and a lower run, a guard means for the cuttings overlapping a part of said lower run, and means for discharging the cuttings from said conveyor from off said lower run into said collector.

2,277,081
TONGS
Edward De Lillo, Brockton, Mass.
Application October 23, 1939, Serial No. 300,759
1 Claim. (Cl. 113—99)

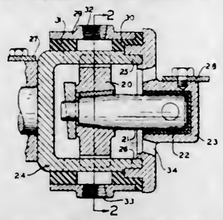
Tongs of the type described having one arcuate jaw terminating in a transverse bar having a rounded gripping surface with a central notch, and a second jaw having a pair of horns engage-

able by said bar so that said notch is between said horns, the inner face of said second jaw



opposed to said arcuate jaw being in a single plane.

2,277,082
HEAT TREATING APPARATUS
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Original application August 19, 1935, Serial No. 36,842. Divided and this application March 28, 1939, Serial No. 264,530
10 Claims. (Cl. 266—4)



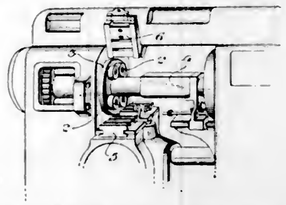
1. In apparatus of the character described for heating gears and the like, a substantially cup-like element having a projection interiorly thereof so that a gear may be inserted in said element with said projection extending between adjacent teeth thereof, a rotatable electrical conducting cap in communication with said projection for sealing said cup, an arbor carried by said cap and adapted for supporting a gear in heating relation with said projection, said cap having openings therein in registration with said cup, means for supplying quench interiorly of said cup for quenching said gear so that the quench may exit by means of said openings and electrical lead-ins one in communication with said element and the other in communication with said cap.

2,277,083
COMPOSITION
George Lowrance Dorough, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1940, Serial No. 339,005
20 Claims. (Cl. 260—73)

2. Process which comprises treating, at 20–150° C., a hydroxylated polyvinyl resin with 0.1–10%, based on the weight of the resin, of an aliphatic diisocyanate.

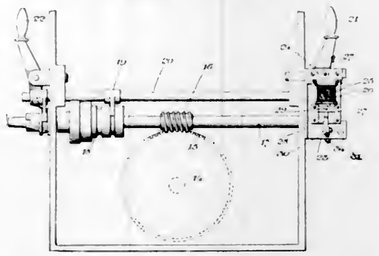
2,277,084
BURNISHING TOOL FOR GEAR BLANKS
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1938, Serial No. 207,237
4 Claims. (Cl. 29—57)

1. A device of the class described comprising a burnishing tool in the form of a disk having a periphery rounded longitudinally of its axis and a shank to one end of which said tool is secured, the construction and location of the disk at the



end of the shank being such that the tool is effective to burnish blind holes of the work, said disk having a passage therethrough between said shank and its periphery.

2,277,085
SOLENOID OPERATED FEED STOP MECHANISM
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application December 8, 1939, Serial No. 308,156
27 Claims. (Cl. 29—64)

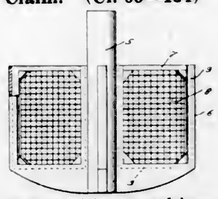


1. In a machine of the class described having feed mechanism, the combination of means for automatically throwing said feed mechanism out of operation and comprising spring actuated means, means for holding said spring actuated means inoperative, a solenoid for releasing said holding means and to the core of which the holding means is shiftably connected, and means operated by said spring actuated means for throwing said feed mechanism out of operation on the abnormal operation of a part of the machine.

2,277,086
PRODUCTION OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 30, 1939, Serial No. 306,904. In Great Britain January 6, 1939
12 Claims. (Cl. 19—66)

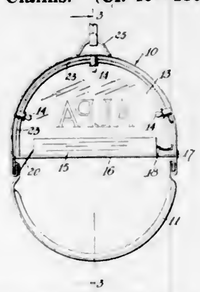
1. Process for improving the properties of staple fibres having a basis of an organic derivative of cellulose and produced by cutting filamentary materials, which comprises subjecting the fibers, while in a condition in which they are substantially free to contract, to the action of a medium which comprises a latent solvent for the celllulose derivative and which is substantially free from water.

2,277,087
WASHING MACHINE AGITATOR
Mary A. Erhart, Auburn, N. Y.
Application October 29, 1940, Serial No. 363,373
1 Claim. (Cl. 68—134)



An agitator for washing machines embodying a central post having vanes extending radially therefrom, and each of said vanes having an open portion therein extending downwardly from the upper edge of the vane, the edges of the vane which define the sides and inner end of said open portion being provided with grooves, a frame having a sliding fit in said slot with the sides and one end member of the frame being seated in said grooves, and a sheet of reticulated material mounted in the frame, said sheet-carrying frame being insertible and removable from the open portion by movement thereof in a line parallel to the axis of said post.

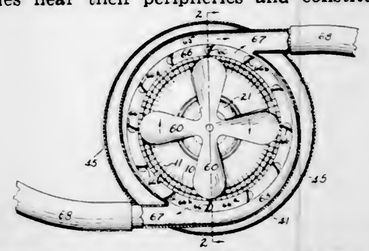
2,277,088
ADVERTISING STRAPHANGER
Viktor Ehrenhaft, Prague, Bohemia
Application July 23, 1940, Serial No. 347,018
In Germany August 7, 1939
3 Claims. (Cl. 40—130)



1. An advertising strap hanger comprising a frame having an upper stationary section and a lower section formed with a loop and slidably mounted in said upper frame section, a spring interposed between said upper and said lower frame section for normally spacing them apart, translucent advertising plates removably secured to the surfaces of said upper frame section, a plurality of electric light bulbs in said upper frame section, an electric circuit including a current source, said bulbs and a switch including a stationary contact in said upper frame section and a movable contact in said lower frame section, whereby when said lower frame section is pulled downwards said switch is closed and said light bulbs are energized.

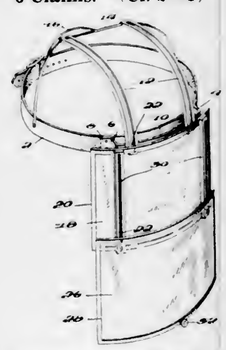
2,277,089
CAR HEATER AND DEFROSTER
Warren Ewald, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.
Application February 3, 1937, Serial No. 123,844
3 Claims. (Cl. 257—137)

1. In a heater, a core, a casing for the core, having main and auxiliary air discharge openings, an air impeller of the axial delivery type adapted to move air through the core, said impeller having a plurality of blades, and an annular series of blades carried by said impeller blades near their peripheries and constituting



a blower of radial delivery type, said last mentioned blades being in number substantially greater than the number of blades of said axial delivery type impeller, said blower being adapted for forcing air through said auxiliary opening, and means for rotating said impeller.

2,277,090
FACE PROTECTOR
Malwin Feiler, New York, N. Y.
Application May 3, 1939, Serial No. 271,569
6 Claims. (Cl. 2—8)

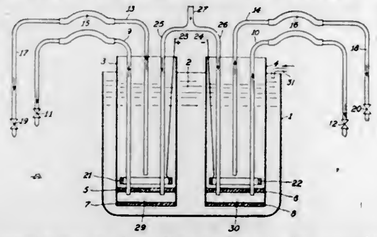


6. A face protector comprising a head band adapted to be removably fixed to the head of a user of the protector, trackways depending from said headband adjacent opposite sides of the face of the user, a face shield mounted for vertical sliding movement in said trackways in front of the face of the user, and means mounting said trackways upon said headband for movement to a position above said headband.

2,277,091
APPARATUS FOR PURIFICATION OF LIQUIDS BY ELECTRO-OSMOSIS
Alfred Hubert Feyens, Brussels, Belgium
Application December 15, 1937, Serial No. 179,812
In Belgium December 19, 1936
2 Claims. (Cl. 204—301)

1. In an apparatus for the purification of liquids by electro-osmosis, means forming a liquid receiving chamber, two containers insertable into said chamber, a positive electrode in one container, a negative electrode in the other container, each of said containers having impervious vertical walls separating the interior thereof from the interior of said chamber, and having an

opening in the bottom portion thereof, and at least two spaced filtering walls below the electrode and within said impervious vertical walls closing said opening and forming a compartment



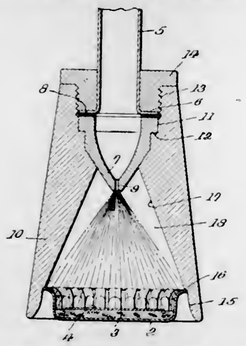
therebetween and so disposed as to be completely immersed when said chamber is filled with liquid and the container is inserted therein, and means to withdraw purified liquid from at least one of said compartments.

2,277,092

APPARATUS FOR SPRAYING CROWN CAPS AND THE LIKE

Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application February 21, 1940, Serial No. 320,187
2 Claims. (Cl. 91—44)



1. An apparatus for spraying crown caps and the like comprising in combination a supply pipe, a spray nozzle and a hood, means for rigidly attaching said nozzle and hood to said pipe, said hood having a portion thereof surrounding the nozzle and extending outwardly therefrom, said hood being shaped to provide a concentric member having formed on its inner face adjacent the end thereof a seat adapted to engage and overlie the flange of a crown cap for centering the cap relative to the nozzle and controlling the area of the cap which is to be sprayed.

2,277,093

TREATMENT OF ARTIFICIAL TEXTILE MATERIALS

Donald Finlayson and Richard Gilbert Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 24, 1940, Serial No. 347,300. In Great Britain August 29, 1939
6 Claims. (Cl. 8—131)

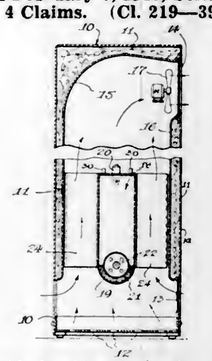
1. Process for crimping artificial staple fibre made of or containing an organic derivative of cellulose, which comprises subjecting the fibres, while they are substantially free to contract, to the action of a shrinking medium containing acetaldehyde and a diluent selected from the group consisting of water and alcohols.

2,277,094

CABINET RADIATOR AND HEATING UNIT

Roy R. Fisher, Detroit, Mich.

Application February 7, 1940, Serial No. 317,683
4 Claims. (Cl. 219—39)



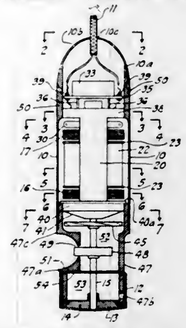
1. A portable heating device for the heating of buildings and enclosures including a heating unit comprising a single longitudinally extending horizontal metal container having a height approximately three to four times its width, and formed with a semi-cylindrical bottom, a tube extending longitudinally of said container directly adjacent but spaced slightly from, the bottom thereof, an electrical heating unit within said tube for passing heat to liquid within said container, and heat exchange elements comprising sinuous metal strips fastened in heat conducting relation at spaced points along each side of said container whereby flues are formed for the passage of air being heated.

2,277,095

ELECTRIC ROTARY HAND TOOL

Theodore Fleischmann, New York, N. Y., assignor to Raylite Electric Corporation, Long Island City, N. Y., a corporation of New York

Application February 26, 1940, Serial No. 320,962
12 Claims. (Cl. 172—36)



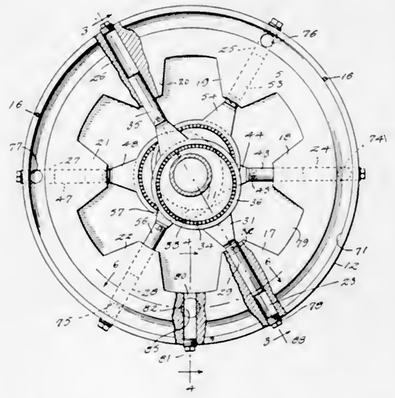
1. In an electric rotary tool, the combination with a unitary cylindrical case, rounded and substantially closed at one end and open at the opposite end thereof, an electric motor having a magnetic stator of less diameter than the inner diameter of said case, a coil nesting within said stator, a shaft, and polar elements, all of said named parts of said motor having their respective longitudinal axes of symmetry coincident with the longitudinal axis of said case, means adjacent said closed end of said case for supporting one end of said stator in spaced relation with said case, a collar having legs engaging both the inner wall of said case and said stator for supporting the opposite end of said stator in spaced relation with said case, said motor shaft extending centrally through said collar, said collar having annular spaces therethrough disposed eccentrically with respect to each other, a fan disposed within one of said spaces, a starting element driven by said shaft and disposed within a second of said spaces with a peripheral portion extending exteriorly of said collar, and a driven element concentric with a third of said spaces, the eccentricity of said second and third spaces providing for the movement of said element through said one space into said second space and thence into its position with said peripheral portion exteriorly of said collar and said shaft concentric with said third space.

2,277,096

FLUID BRAKE

John Clyde Foster and John Henry Biggs, Odessa, Tex.

Application April 7, 1941, Serial No. 387,298
5 Claims. (Cl. 188—99)



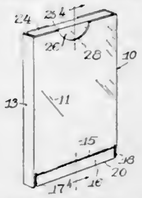
1. A fluid brake comprising a stationary body formed with an internal fluid reservoir and a plurality of radially arranged cylinders, a rotatable shaft journalled in said housing, a plurality of eccentrics fixed to said shaft within said reservoir, a plurality of pistons slidable in said cylinders, a pair of rings rotatable on each eccentric, means connecting one ring of each pair to a piston, means connecting the other ring of each pair to a diametrically opposed piston, said body having a pair of spaced apart annular channels disposed on opposite sides of said pistons, said body also having openings communicating certain of said cylinders with one of said channels and other openings communicating the remaining cylinders with the other of said channels, said body also having means for communicating said channels with said reservoir, and a manually operable valve member engageable with said latter means for controlling the flow of fluid from said channels to said reservoir.

2,277,097

CARTON

Augie L. Hansen, Chicago, Ill., assignor to A. L. Hansen Mfg. Co., Chicago, Ill., a corporation of Illinois

Application August 31, 1939, Serial No. 292,811
4 Claims. (Cl. 229—9)



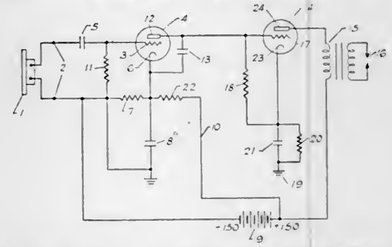
1. A carton having a body consisting of front, rear and side walls, a flap movable relative to said body and consisting of a plurality of hinged portions including a front panel hinged to said front wall and normally disposed in the same plane as the latter, a bottom panel hinged to said front panel and normally defining a bottom for said carton body, a rear panel extending along the inner face of said rear wall, and a top panel and front cover flap normally closing the upper end of said body, said front panel being separated from said side walls so that said movable flap can be partially withdrawn bodily from the top of said carton and thereby move said front panel into position to form a temporary bottom disposed in a plane above the normal bottom of the carton body.

2,277,098

ELECTRICAL CIRCUIT

Kenneth Frederick Haines, West Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

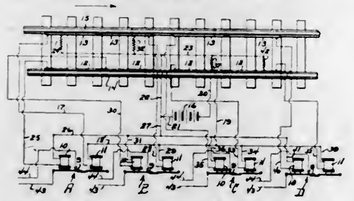
Application July 18, 1938, Serial No. 219,856
3 Claims. (Cl. 250—27)



1. An impulse repeating circuit comprising, in combination, a gaseous tube and a vacuum tube each having cathode, anode and grid electrodes and circuits associated therewith including means connecting the anode of the gaseous tube to the grid of the vacuum tube, a condenser connected directly between the cathode and anode of the gaseous tube, means for establishing normal steady anode-cathode current through said vacuum tube, means including part of said last-named means for charging said condenser by said vacuum tube current, means for impressing a signal impulse upon the cathode grid circuit of the gaseous tube whereby the resistance of its anode-cathode circuit is reduced substantially to zero producing discharge of the condenser and consequent lowering of the potential of the grid of the vacuum tube to cut off the anode-cathode current of the vacuum tube, means responsive to rapid change in said vacuum tube current for

producing an impulse and means for restoring said normal vacuum tube current and thereby recharging said condenser.

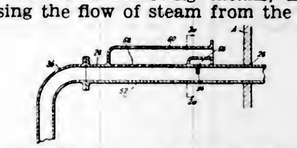
2,277,099
BROKEN FLANGE DETECTOR FOR RAIL CARS
Harold R. Harshman, Tehachapi, Calif.
Application July 10, 1940, Serial No. 344,825
2 Claims. (Cl. 246—169)



1. A railway signal system for detecting broken wheel treads and flanges, comprising track rails, spring pressed detector plates spaced laterally from and slightly below the heads of respective rails, the rails and respective detector plates being bridged by car wheels having unbroken flanges to form circuit closers, a source of electricity, a locking relay, a normally closed car wheel controlled circuit including the coil of the relay, a conductor connecting one end of the coil to the detector plate of one rail, a conductor connecting the last named detector plate with one terminal of the source of electricity, a conductor connecting the other terminal of the source of electricity with the opposite rail, and a conductor connecting said opposite rail to the other end of the coil, said circuit being shorted through a car axle to the last named rail when a car wheel having an unbroken flange bridges the first named detector plate and the respective rail to deenergize the relay, an alarm circuit, an alarm device in the alarm circuit, an alarm relay having its armature in the alarm circuit, the armature of the locking relay normally engaging and holding the alarm relay armature in circuit closing position and releasing the alarm relay armature when the locking relay coil is shorted, and a normally open car wheel controlled circuit including the alarm relay coil, a conductor connecting one end of the coil with the first named terminal of the source of electricity and with the first named detector plate, and a conductor connecting the other end of the coil with the other detector plate, the last named circuit being closed when a wheel with an unbroken flange bridges the last named detector plate and respective rail to maintain the alarm relay armature in circuit closing position after the first named wheel controlled circuit has been shorted but being broken when a wheel with a broken flange fails to bridge the last named detector plate and respective rail and deenergizing the alarm relay to permit the armature thereof to move to open circuit position and deenergize the alarm device.

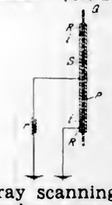
2,277,100
HIGH PRESSURE STEAM GENERATOR
Otto Hartmann, Kassel-Wilhelmshohe, Germany
Application December 30, 1938, Serial No. 248,629
In Germany January 17, 1938
6 Claims. (Cl. 183—2.5)

1. A steam and water separating device for a steam generator comprising a pipe for conducting a steam and water mixture, means for removing separated steam from said pipe, means for throttling the flow of said mixture in said pipe toward said removing means, means for by-passing the flow of steam from the inlet side



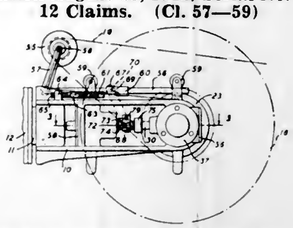
of said throttling means around said throttling means to said separated steam removing means, and means for discharging water from said device remote from said throttling means.

2,277,101
CATHODE RAY SCANNING DEVICE
Walter Heimann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 31, 1939, Serial No. 265,326
In Germany March 30, 1938
4 Claims. (Cl. 178—7.2)



1. A cathode ray scanning device comprising an insulating member, a mosaic screen comprising a layer of photoelectric material mounted on one surface of said member, a conductive signal plate mounted on the opposite surface of said member, a conductive, frame-shaped, layer encircling said signal plate and insulated therefrom mounted on said opposite surface of said member, said signal plate and at least a portion of said frame-shaped layer being directly behind, in capacitative relation with and in close proximity to said screen, and means for grounding said layer.

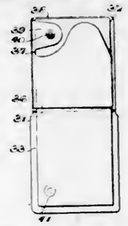
2,277,102
TENSION CONTROL APPARATUS
George E. Henning, Joppa, and Julius A. Wagner, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1941, Serial No. 408,610
12 Claims. (Cl. 57—59)



1. A tension control apparatus for a strand being withdrawn from a supply reel rotated about its axis by the withdrawal of the strand and revolved about an axis normal to the reel axis, a brake element operatively connected to the reel for rotation thereby about an axis disposed at right angles to the reel axis, a brake member held against rotation with the brake element and cooperating therewith to apply a braking force to the reel to create a given tension in the strand,

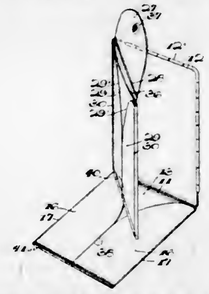
and means controlled by the strand to affect the brake element and member to vary the braking force with variations in the tension of the strand.

2,277,103
BILL FOLDER
Henry M. Herbener, Thomasville, Ga.
Application March 9, 1939, Serial No. 260,845
5 Claims. (Cl. 150—38)



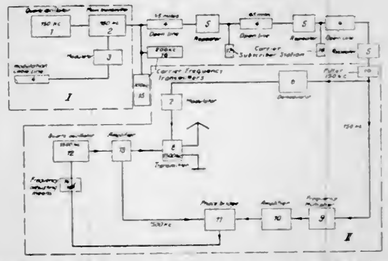
1. A folder for carrying bills, money or the like, comprising a blank including an elongated body portion having a transverse folding line for affording opposed sides, said blank including a partition carried by one side and foldable over a line extending longitudinally of such side adjacent to one edge thereof, a flap carried by the partition carrying side and foldable over a line extending longitudinally of the side at the same edge thereof with the folding line of the partition, the partition having a transverse bill folding edge arranged near the transverse line of folding of the body portion, the partition being adapted to be arranged between the folded portions of the bills and the flap being adapted to be arranged upon the face of the folded portion of the bill remote from the partition, and means for effecting a detachable connection between the flap and the adjacent side.

2,277,104
FOLDER FOR BILLS, PAPERS, OR THE LIKE
Henry M. Herbener, Thomasville, Ga.
Application December 21, 1939, Serial No. 310,390
11 Claims. (Cl. 150—38)



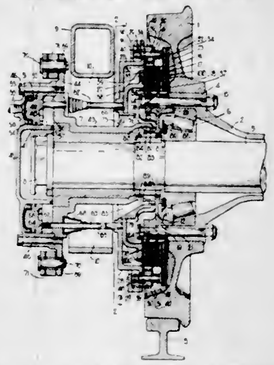
6. A folder of the character described comprising first and second sides which are connected and foldable upon a transverse line to assume an opposed closed position, a partition carried by the first side and foldable about a longitudinal line to be arranged between the first and second sides, the inner end of the partition being arranged adjacent to the transverse folding line, and a flap carried by the outer end of the partition and foldable transversely of the partition over the outer end of the side which does not carry the partition, and means to detachably secure the flap to the side which does not carry the partition, the outer corner of the side which carries the partition being free to be bent back while the flap is secured to the second side which does not carry the partition.

2,277,105
COMMON WAVE TRANSMITTER SYSTEM
Robert Herzog, Alfred Wiessner, and Erich Schulze-Herringen, Berlin, and Fritz Gutzmann, Schöneiche, near Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 13, 1939, Serial No. 299,350
In Germany October 13, 1938
1 Claim. (Cl. 250—2)



The method of effecting common wave transmission, which comprises, generating a carrier frequency in a master transmitter, impressing low frequency modulation oscillations upon the carrier frequency in the master transmitter, transmitting the resulting low frequency modulated carrier frequency to a secondary transmitter over a line circuit, and causing the incoming modulated carrier frequency to effect frequency control in this secondary transmitter.

2,277,106
BRAKE MECHANISM
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 28, 1939, Serial No. 253,316
31 Claims. (Cl. 188—153)



1. A brake mechanism for a wheel and axle assembly of a railway vehicle truck having a journal box carried by said assembly and a truck frame mounted on said journal box, said mechanism comprising an annular rotatable friction braking element disposed adjacent the inner end of said journal box and secured to rotate with one of the wheels of said assembly, an

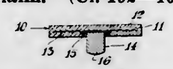
annular non-rotatable friction braking element adapted to be moved into frictional braking engagement with said rotatable braking element for braking said wheel, a brake cylinder device disposed at the outer end of said journal box and operatively connected to said non-rotatable element for controlling the operation thereof, and means for supporting said brake-cylinder device on the outer end of said journal box.

2,277,107

CLUTCH FACING

Robert H. Imes, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application January 4, 1940, Serial No. 312,341
1 Claim. (Cl. 192—107)



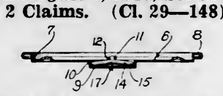
A metallic clutch facing element comprising a disc formed of a mass of mixed particles of copper, graphite and lower melting point metal selected from the group consisting of lead, tin and zinc sintered together, a wire mesh reenforcement disc within said mass, said particles being sintered to said mesh, and a metal attaching member having a head and a shank, the head of said member being secured to said mesh by metal fusion and the shank projecting from one face of said facing element.

2,277,108

METHOD OF ATTACHING OPENER KEYS TO END CLOSURES OF TEAR STRIP CANS

George F. Jackson, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 7, 1940, Serial No. 351,676
2 Claims. (Cl. 29—148)



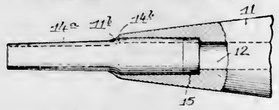
1. The method of temporarily securing a tear strip winding key to a metallic receptacle which consists in forming an upright wall defined tear strip key portion receiving recess in the receptacle, forming a tear strip winding key with a head portion shaped in the form of a shallow V dimensioned to slip freely into and extend transversely across said depression with its end extremities proximate said upright recess defining wall, placing said key head in the recess, and applying force to and straightening the V to cause said end extremities to indent in said wall and effect temporary attachment of said key.

2,277,109

MECHANICAL PENCIL AND METHOD FOR MAKING THE SAME

Helmer R. Jochim, Chicago, Ill., assignor to Rite-Rite Mfg. Co., Chicago, Ill., a corporation of Illinois

Application July 10, 1941, Serial No. 401,709
2 Claims. (Cl. 120—9)



1. In a mechanical pencil, a tapered metal tip provided with a bore and with a counter-bore of greater diameter at its end, a steel sleeve of the diameter of said counter-bore fixed therein with a substantial part of its length projecting beyond said tip, said tube and the end of said tip being swaged down the one upon the other to form a shoulder on said tube overlapped by the metal of said tip to interlock the tube and tip together and to reduce the tube projecting beyond the tip to a predetermined small interior diameter.

2,277,110

METHOD OF DETERMINING WHERE PIPE IS STUCK IN A WELL

Curtis H. Johnson, Santa Monica, Calif.

Application December 31, 1938, Serial No. 248,818
8 Claims. (Cl. 181—0.5)



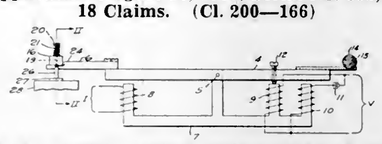
1. In a method of determining the condition of a pipe in a bore hole, the improvement which comprises imparting to the solid material forming the wall of the pipe at a point adjacent the upper end thereof an impulse which travels downward in the pipe wall and is partially reflected upward at reflection points at different depths in the pipe wall, at least one of the reflection points being at an unknown depth, receiving the reflected impulses at a point adjacent the upper end of the pipe, and measuring the time required for impulses to travel from the point of impulse origin to the respective reflection points and from there to the receiving point.

2,277,111

LOW-BOUNCE CONTACT DEVICE AND THE LIKE

Welton V. Johnson, Short Hills, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 16, 1940, Serial No. 352,915
18 Claims. (Cl. 200—166)



1. An electric contact-make-and-break device having a movable element, actuating-means and stop-means therefor, said movable element having a chamber-portion, and tungsten powder held within said chamber-portion, said actuating-means and stop-means being of such nature as to cause a sufficiently sudden change in motion to develop a material amount of damping by friction as a result of tungsten grains shifting against each other under the operating conditions of said device.

2,277,112

METHOD OF MANUFACTURING INTEGRATED CROSSOVER ASSEMBLIES FOR SUSPENDERS

Marion Rogers Joyce, Greensboro, N. C., assignor to William I. Blanton, Greenville, S. C.

Application June 21, 1940, Serial No. 341,756
2 Claims. (Cl. 2—338)



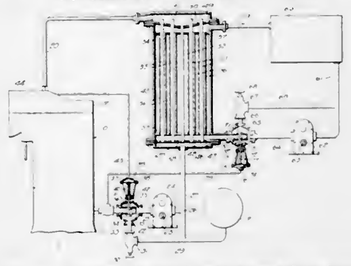
1. Method of making suspender crossover members, each of which consists of a plurality of parallel webbing sections in side by side relation, with cementitious bonding films at both ends of one member and one end of another member maintaining said sections in side by side relation, comprising, providing parallel lengths of webbing in side by side relation, severing them transversely at intervals equal to the desired length of the members, applying alternate wide and narrow adhesive films transversely of said lengths of webbing at such length intervals that the lines of severance come in the middle of the wide films and at one edge of the narrow films, said films commonly incorporating both lengths, for bonding the severed sections together.

2,277,113

INTERNAL COMBUSTION ENGINE

Joseph G. Kimmel, Sarasota, Fla.

Application February 28, 1939, Serial No. 259,013
17 Claims. (Cl. 123—178)



1. In an internal combustion engine having a combustion chamber provided with a wall, a fluid conduit in intimate heat transferring association with said combustion chamber wall, means for effecting a flow of fluid through said conduit, and means in contact with and controlled by the temperature of said combustion chamber wall for controlling the rate of flow of fluid through said conduit.

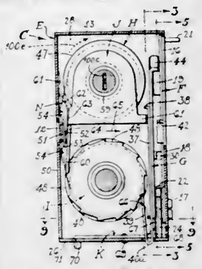
2,277,114

REGISTERING MECHANISM

Edwin Klahn, New York, N. Y., assignor to Adolph C. Blechner, New York, N. Y.

Application November 21, 1938, Serial No. 241,567
4 Claims. (Cl. 194—74)

1. In a coin actuated registering device, a box like structure having a coin receiving slot in one wall and a coin ejecting slot in an adjacent wall, said slots lying in the same plane, two plates positioned closely adjacent to still another wall which last mentioned wall is parallel to the plane of the slots, said plates being spaced sufficiently apart to receive a coin between them, the space between them extending from the coin receiving



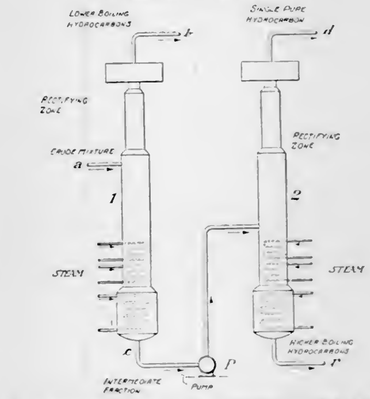
slot to the coin ejecting slot, one plate being pivotally mounted on a wall of said box and having outstanding lugs to receive a coin from said receiving slot and to carry it to said ejecting slot upon movement of the plate from adjacent the first slot to adacent the second slot and the other plate being mounted for reciprocatory movement and having a lug actuated by the coin carried by the pivotally mounted plate.

2,277,115

PROCESS FOR PRODUCING PURE BENZENE HYDROCARBONS

Hugo Krüger, Gottesberg, Kreis Waldenburg in Schlesien, and Kurt Gieseler, Hermsdorf, Kreis Waldenburg in Schlesien, Germany, assignors to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York

Application August 4, 1938, Serial No. 223,072
In Germany August 5, 1937
6 Claims. (Cl. 202—67)



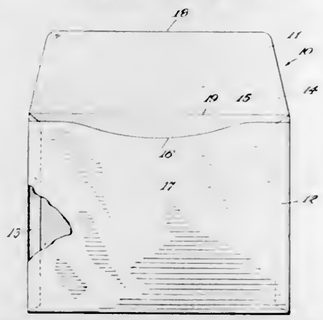
1. A process for the production of a pure hydrocarbon taken from the class consisting of benzene, toluene, and xylenes from crude liquid mixtures with other hydrocarbons of the benzene series which comprises introducing into the rectification zone of a column such a crude mixture together with higher boiling hydrocarbon constituents, the latter being in sufficient amount to raise the boiling range of the mixture (after vaporization of constituents boiling below said pure hydrocarbon) sufficiently above the normal

boiling point of said pure hydrocarbon to substantially prevent distillation of said pure hydrocarbon during said vaporization, subjecting the same to the action of vaporizing and rectifying zones in said column, causing vaporization of substantially all of the lower boiling hydrocarbons until the liquid residue in said column has a boiling range substantially above the boiling point of the pure hydrocarbon to be produced, passing said residue into a second column and causing vaporization of said hydrocarbon from said residue, and condensing the pure vapors of the desired hydrocarbon.

2,277,116

ENVELOPE SEALING CLOSURE AND METHOD OF MAKING IT

Theodore H. Krueger, Shelton, Conn.
Application October 6, 1938, Serial No. 233,513
2 Claims. (Cl. 229—80)



1. An envelope having a body including a flap held by a water-soluble adhesive, and closure flap carrying a continuous strip of an adhesive sealable under heat and pressure to the body of the envelope, said last named adhesive consisting of a large proportion of paraffine wax and less than one third as much rubber and adapted to soften to become adhesive below 200° F. so as to adhere to the body of the envelope to seal it.

2,277,117

METHOD OF TREATING CUTTING TOOLS

Jean La Force, San Francisco, Calif., and Arthur K. Seemann, Garden City, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application July 11, 1940, Serial No. 344,915
6 Claims. (Cl. 148—12)

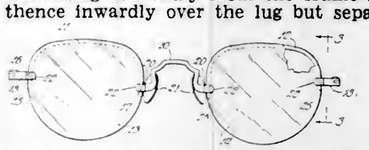
1. A method of treating a quench-hardenable cutting tool having at least one cutting edge, which comprises locally heating the surfaces of said tool adjacent each cutting edge; reforming and shaping the cutting end of said tool to provide new cutting edges; and substantially immediately thereafter cooling at least each new cutting edge from the critical temperature at a sufficiently rapid rate to harden the same.

2,277,118

EYEGLASS FRAME

Abe A. Leavitt, Chicago, Ill., assignor of one-half to Bert H. Quint
Application June 4, 1941, Serial No. 396,556
2 Claims. (Cl. 88—47)

1. In an eyeglass frame having spring strips adapted to bear against the rear surfaces of inserted lenses, a means for holding said lenses in position in the frame, said means comprising lugs extending forwardly from said spring strips and adapted to engage spaced notches in the lens periphery, said lugs extending forwardly from the frame strip a distance no greater than the smallest thickness of lens to be held, and caps extending forwardly from the frame strip and thence inwardly over the lug but separate

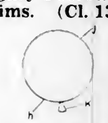


from the front surface of the lug, said caps overlying the lugs and being substantially wider than the lugs whereby to cover a notch in the lens periphery in which a lug is seated, said caps being bendable toward the lugs to accommodate lenses of various thicknesses and to hold said lenses in contact with the spring strips, said spring strips extending beyond the lugs whereby the pressure of said caps against the lenses prevents rocking of the lenses about the lugs.

2,277,119

MANUALLY OPERATED WEAVING APPARATUS

Zoltán Lichtner, Budapest, Hungary, assignor to István Tividar Székely, Budapest, Hungary
Application February 2, 1940, Serial No. 317,038
In Hungary February 9, 1939
3 Claims. (Cl. 139—33)

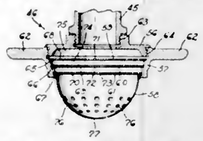


1. A manually operated weaving apparatus comprising: a weaving cylinder, said cylinder having the form of a hollow tube having a plurality of parallel circumferentially arranged slots spaced along said cylinder, alternate slots being in a circumferentially rotated position with relation to the remaining slots; a substantially H shaped frame composed of a pair of spaced and parallel side uprights and a pair of spaced and parallel cross bars arranged at right angles to the uprights and connected at the ends thereof to said side uprights, the inner opposed edges of said cross bars forming a trough shaped support for said cylinder.

2,277,120

MIXING, DISPERSING, AND EMULSIFYING MACHINE

Ernest E. Lindsey, Los Angeles, Calif., assignor, by mesne assignments, to A. T. Case Company, Los Angeles, Calif., a corporation of California
Application January 2, 1940, Serial No. 313,194
8 Claims. (Cl. 259—95)



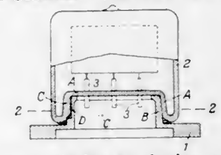
1. In a discharge head for a mixing machine, the combination of: a housing; a first multiple apertured, smooth-surfaced, rigid plate mounted in said housing transversely of the flow path of

the material to be mixed; and a second apertured, smooth-surfaced, rigid plate mounted in said housing transversely of the flow path of the material downstream from and spaced from said first plate, the total apertured area of the second plate being less than the total apertured area of the first plate, the walls of said apertures in said first plate forming sharp intersecting edges at their downstream ends with the downstream face of said first plate and said apertures being adapted to act as nozzles to produce high pressure jets of liquid when liquid is supplied at high pressure to the upstream surface of said first plate, and the space between said plates being sufficiently great in relation to said jets to allow the formation between said plates of eddy or vortex currents of said liquid which impinge upon the downstream side of said first plate.

2,277,121

ELECTRIC DISCHARGE DEVICE

Edmund Löpp, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application February 4, 1941, Serial No. 377,311
In Germany January 20, 1940
4 Claims. (Cl. 250—27.5)

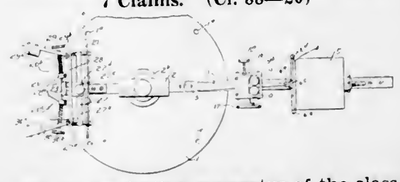


1. An electric discharge device comprising an electron tube and a socket therefor, this tube having a bottom arranged to act as a stop adapted to come against a stop forming part of the socket, the stop of the socket being a central annular projection thereof while the said bottom is shaped to grip over this projection.

2,277,122

EYE TESTING APPARATUS

Homer T. Lowry, San Diego, Calif.
Application July 3, 1939, Serial No. 282,681
7 Claims. (Cl. 88—20)

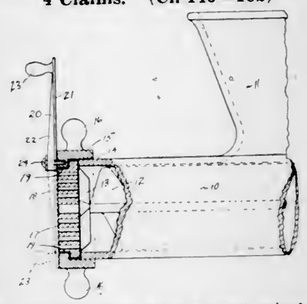


1. In an eye testing apparatus of the class described, the combination of a pair of revolubly mounted base joined prism members, a target member provided with a single colored circular spot positioned in alignment with the base line of said base joined prism members, means for shifting said target member toward and away from said base joined prism members, indicating means in connection with said target member for indicating the shiftable movement of said target relatively to said base joined prism members, and a pair of circular objective indicators in cooperative relation with said target and wedge-shaped means in connection with said target for shifting said circular objective indicators toward and away from each other corresponding to the apparition of the target caused by said base joined prism members.

2,277,123

CLOSURE FOR MEAT GRINDER

Mitchell F. Majestic, Youngstown, Ohio
Application January 11, 1941, Serial No. 374,024
4 Claims. (Cl. 146—182)

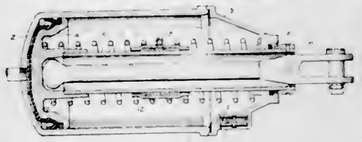


1. The combination with a meat grinder having a perforated meat delivery die, of a disk like knife adapted to cut off meat protruding from said meat delivery die and form a closure therefore, said disk like knife pivoted to said grinder at one side of the said die.

2,277,124

BRAKE CYLINDER DEVICE

Charles W. Maliphant and Harold R. Sennstrom, Wilmerding, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 30, 1939, Serial No. 306,892
10 Claims. (Cl. 60—62.6)



1. The combination in a motor device comprising a cylinder having a non-pressure head, of a piston and piston rod slidably mounted in said casing and operable in one direction by fluid under pressure, spring means interposed between said non-pressure head and piston and adapted to move said piston and piston rod in the opposite direction upon the release of the actuating fluid, a sleeve for supporting said spring means intermediate its ends, said sleeve being carried by and slidably mounted on the piston rod, and means for maintaining the sleeve in a position intermediate the length of the spring means.

7. A support for a spring control means of the type which encircles a rod, said support comprising sleeve means slidably mounted on said rod, and lubricating means incorporated in said sleeve means and contacting said rod for lubricating the rod.

2,277,125

PREPARATION OF POLYAMIDES

Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1939, Serial No. 298,140
7 Claims. (Cl. 260—78)

1. A process for making polyamides which comprises heating at polymerizing temperatures a linear polycarbonamide-forming composition

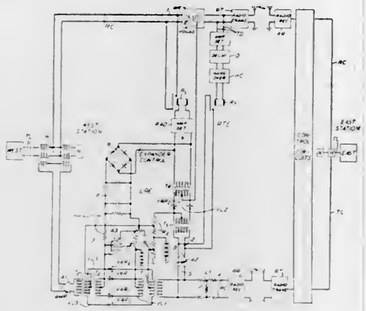
comprising a bifunctional polycarbonamide-forming reactant containing at least one formylamino group.

2,277,126

TWO-WAY SIGNAL TRANSMISSION SYSTEM

Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 29, 1941, Serial No. 395,697
6 Claims. (Cl. 178—44)



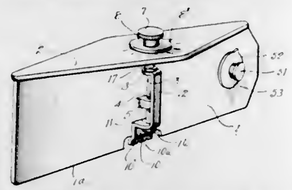
1. In a terminal of a two-way telephone system including a signal transmitting path and a signal receiving path, a volume-operated gain-adjusting device in said transmitting path, a limited volume range expander in said receiving path, operating as a combined singing suppressor and received signal amplifier, an echo suppressor device connected to said receiving path normally responsive to received signals of a given level to insert an echo suppression loss in said transmitting path in front of said gain-adjusting device, and means to reduce signal clipping and facilitate breaking comprising means for making the amount of singing suppression provided by said expander and the sensitivity of said echo suppressor device vary as a function of the transmitting path gain provided by said gain-adjusting device.

2,277,127

IMPROVEMENT IN SAW GAUGING MEANS

Henry G. Merchant, Concrete, Wash.

Application July 8, 1940, Serial No. 344,403
3 Claims. (Cl. 33—202)



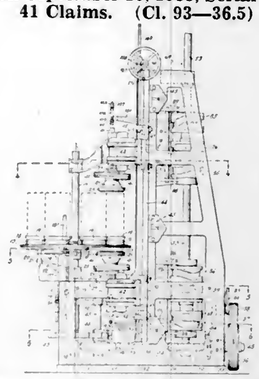
1. A device of the character described comprising a flat plate formed with a straight edge and a recess in said edge, a threaded shaft mounted by the plate and extending perpendicular to the line of said straight edge, a contact shoe pivotally fixed on the shaft at one end and having a contact portion disposed within the said recess and adjustable, by turning the shaft, toward and from the line of said straight edge, a turning knob on the shaft and a graduated scale on the plate for indicating the position of adjustment of the contact shoe.

2,277,128

MACHINE FOR MAKING PAPER CONTAINERS

Albert F. Miller, New York, N. Y., assignor, by mesne assignments, to president and directors of The Manhattan Company, New York, N. Y., a corporation of New York, as trustee for Gibson Patent Containers, Ltd.

Application September 16, 1938, Serial No. 230,183
41 Claims. (Cl. 93—36.5)



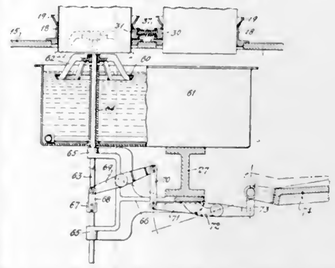
1. In a container forming machine, the combination of a horizontally rotatable support having a plurality of tubular shaped holders adapted to retain tubular shaped blanks inserted therein with their ends projecting therefrom, means for rotating said support to advance said holders step by step along a continuous prescribed path, means for defining the inserted position of the blanks within said holders, a pair of vertically aligned beading units disposed on opposite sides of said support, each of said beading units including a beading die presenting an annular shaped groove adapted to receive the adjacent end of a tubular blank, means for vertically moving said beading units simultaneously into and out of engagement with the projecting ends of a blank positioned therebetween, and means for rotating the dies of said beading units in opposite directions.

2,277,129

MACHINE FOR MAKING PAPER CONTAINERS

Albert F. Miller, New York, N. Y., assignor, by mesne assignments, to president and directors of The Manhattan Company, New York, N. Y., a corporation of New York, as trustee for Gibson Patent Containers, Ltd.

Original application September 16, 1938, Serial No. 230,183. Divided and this application September 17, 1940, Serial No. 357,075
18 Claims. (Cl. 91—47)



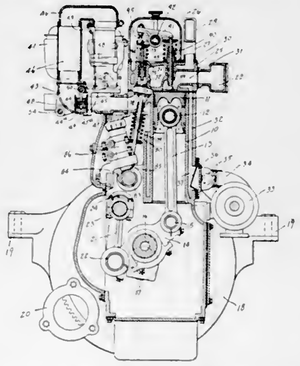
3. In a container forming machine, the combination of a rotatable support having a plurality of holders each adapted to hold a tubular shaped container blank, means for rotating said support to advance said holders to and away from a waxing station, an annular wax applying member having an annular groove so shaped that the adjacent end of said tubular blank telescopes into the groove, means for supplying wax to the annular groove of said waxing member, and means for reciprocating said waxing member into and out of waxing engagement with the adjacent end of said container blank.

2,277,130

DIFFERENTIAL CONVERTIBLE GASOLINE-DIESEL ENGINE

Lauritz N. Miller, Eugene, Oreg.

Application March 31, 1938, Serial No. 199,210
6 Claims. (Cl. 123—1)



1. In a convertible gasoline-Diesel engine, the combination of a cylinder, a piston therein, a crank shaft, means connecting the piston to the throw portion of the shaft, adjustable means operatively associated with the aforementioned means for varying piston travel for compression ratio change, and means for retaining said adjustment whereby for any given adjustment for piston travel, the travel is the same during further operation under such adjustment, a gasoline fuel arrangement, a Diesel fuel supply arrangement, and means coordinated with the second mentioned means selectively operating one of the arrangements for a selected engine type of operation, said third mentioned means and said second mentioned means including mechanism variable at will during Diesel operation for adjusting the compression ratio, and said Diesel fuel supply arrangement having cooperative coordination with said third mentioned means for automatically varying the Diesel fuel supply.

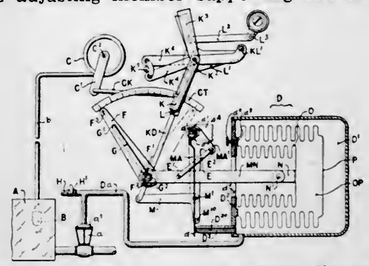
2,277,131

AUTOMATIC CONTROL APPARATUS

Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 4, 1938, Serial No. 188,739
2 Claims. (Cl. 236—86)

1. In a pneumatic control device, an element deflectable in accordance with changes in a measurable condition, a nozzle supplied with air under pressure and communicating with pressure responsive means controling said condition, a movable member adapted to cooperate with said nozzle to effect control of said condition proportionately to its position, means including a floating lever connecting said element and member for movement of the latter by said element, means adapted to partially neutralize the pressure change resulting from a movement of said member including a part responsive to said pressure change and a connection between said part and member including a link pivotally attached at one end to said part, a second link, a ratio adjusting member supporting one end of



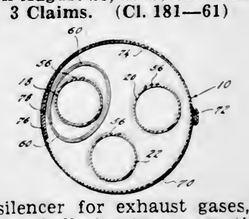
said second link, a connection between the second ends of said two links adapted to constrain movement of said first link through a path depending upon the position of said ratio adjusting member, and a third link pivoted to said first link at a point between its connection to said pressure responsive part and said second link and operative to connect said first link and floating lever to move said member by movement of said first link.

2,277,132

SILENCER

Chester C. Moss, Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, a corporation of Wisconsin

Application August 28, 1939, Serial No. 292,169
3 Claims. (Cl. 181—61)



1. In a silencer for exhaust gases, the combination of a shell structure, acoustic silencing structure within said shell and cooperating with the shell to define at least one chamber, a portion at least of the wall whereof is constituted by said shell, said silencer having means for introducing gases into said chamber, said shell comprising an outer shell-like member and an inner shell-like member received in the outer member, the adjacent surfaces of the members being in continuous engagement with each other, each said member having a longitudinal joint therein, and said joints being in angularly displaced relation to each other.

2,277,133

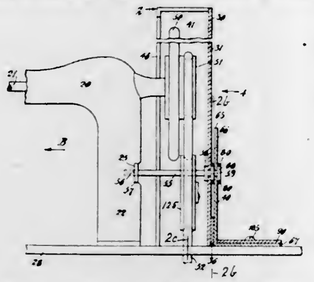
SEWING MACHINE GUARD

Matthew Murino, New York, N. Y.

Application June 1, 1940, Serial No. 338,327
2 Claims. (Cl. 112—261)

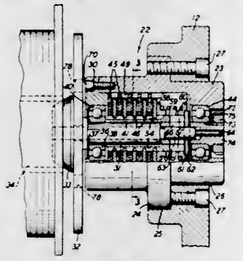
1. In a guard for a sewing machine and the like the combination of a housing comprising a main outer side wall having a clearance opening with extensions, a rear wall extending from said

main outer side wall, an inner side wall extending from said rear wall, a locking shaft extending from the sewing machine and having a pair of collars integral therewith, said locking shaft



adapted to be detachably seated in one of the extensions of the openings of the said main outer side wall and said collars adapted to be located adjacent to the faces of said outer side wall to maintain the latter in operative position.

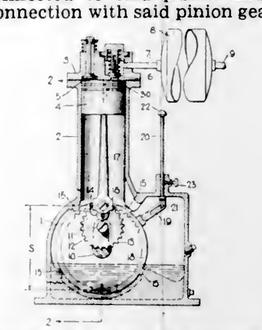
2,277,134
BRAKE
Oscar G. Nelson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1940, Serial No. 342,872
5 Claims. (Cl. 188—83)



1. A brake comprising an assembly of a rotatable element, spaced bearing members disposed on the element, brake members disposed around the element certain of which are connected for rotation with the element, a spring positioned around the element between the bearings to apply a force to the brake members, and means to hold the bearing members, brake members and spring in the assembly, a housing to receive the assembly and hold the remaining brake members against rotation with the element, and means to secure the assembly in the housing.

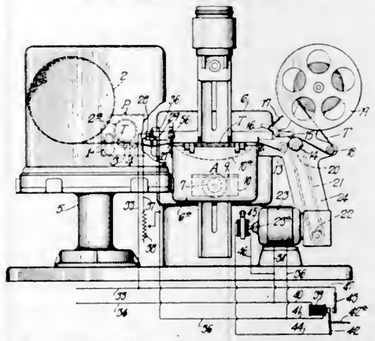
2,277,135
COMPRESSOR APPARATUS
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 29, 1940, Serial No. 332,197
11 Claims. (Cl. 230—20)

1. A fluid compressor comprising a crank shaft having a crank pin, a pinion gear journaled on said crank pin, a ring gear disposed in coaxial relation with said crank shaft and having twice the number of teeth as said pinion gear, the teeth on said gears being in mesh to effect rotation of said pinion gear upon rotation of said crank shaft, a fluid displacement piston, and means connected to said piston and having a journal connection with said pinion gear adjacent



the periphery thereof for effecting reciprocation of said piston upon rotation of said pinion gear.

2,277,136
TAPE-CONTROLLING ARRANGEMENT
David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application January 15, 1938, Serial No. 185,100
5 Claims. (Cl. 271—2.3)

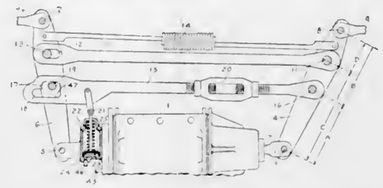


1. In combination, a motor, means operated by said motor for drawing a tape through a projection field after passage thereof from a printing mechanism, means for changing the speed of operation of said drawing means to thereby cause the tape to be drawn through said projection field at different rates of speed, said last named means comprising a movable member operated by a tape loop positioned between said printing mechanism and said projection field, and means for overcoming the inertia of said drawing means and discontinuing the operation thereof substantially in an instantaneous manner, the tape loop being short when operation of said drawing means is discontinued and the inertia-overcoming means serving to prevent the tape from being damaged or improperly pulled through the printing mechanism.

2,277,137
BRAKE MECHANISM
Anselme Neveu, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 9, 1939, Serial No. 289,151
In France February 9, 1939
9 Claims. (Cl. 188—195)

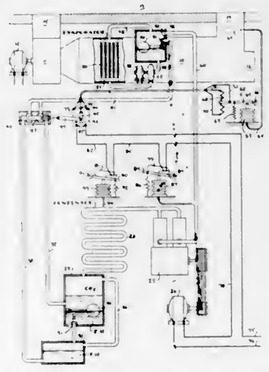
1. In a brake system, in combination, a pair of

brake levers operative to effect an application of the brakes, means for actuating said levers, a pair of rods each of which has at the end thereof a slot, two pivot pins associated with one of said brake levers and adapted to be operatively related to said slots in said pair of rods, and fluid pressure operated means associated with one of



said rods for controlling the operative relation between said slots and said pins in a manner to cause one of said rods to become effective to establish one leverage ratio for said levers and the other of said rods to become effective to establish a different leverage ratio for said pair of brake levers.

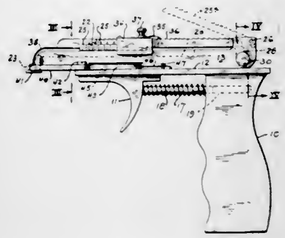
2,277,138
AIR CONDITIONING SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 31, 1938, Serial No. 227,727
19 Claims. (Cl. 62—6)



1. In a refrigeration system including an evaporator and an expansion means, a supply of refrigerant having certain characteristics, a supply of refrigerant having characteristics differing from said first mentioned refrigerant, means for passing the refrigerants through the expansion means to the evaporator, and means for selectively controlling relative amounts of the refrigerants passing through the expansion means.

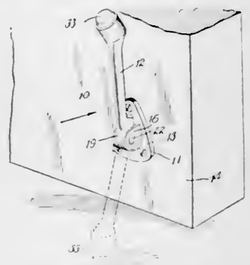
2,277,139
SURGICAL INSTRUMENT
Frederick G. Niemand, San Francisco, Calif.
Application December 15, 1939, Serial No. 309,383
5 Claims. (Cl. 1—49.1)

1. An instrument for applying surgical ligatures comprising a pair of levers pivotable to engage and bend a ligature, a magazine to contain a plurality of ligatures and present them one at a time to a position between said levers, a pistol-grip handle supporting said levers and magazine, a trigger, and means operable upon



compression of the trigger to retract the magazine and pivot said levers.

2,277,140
DOOR HOLDER
John J. O'Connell, Brooklyn, N. Y.
Application December 27, 1939, Serial No. 311,205
2 Claims. (Cl. 292—338)

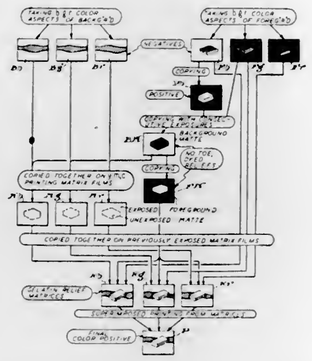


1. In a door stop, a mount having spaced bearings, a bolt fixedly sustained by said bearings and including a non-circular end, a swingable retaining arm having a head rotatably mounted on said bolt and including a recess, a washer disposed within said recess adjacent one of said bearings and independent of said mount and non-rotatably supported on said end and provided with a notch, and spring controlled means carried by said head for disconnectably interlocking with the walls of said notch in a raised position of said arm.

2,277,141
COMPOSITE COLOR PHOTOGRAPHY
Leslie W. Oliver, Amersham, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application July 18, 1939, Serial No. 285,067
7 Claims. (Cl. 88—16)

5. In the art of color photography the method of producing pictures which comprises making records of color aspect ranges of a background field, making color aspect records of the said ranges of light as reflected from a foreground field illuminated with light of said ranges and placed in front of a uniform backing emitting light within said ranges but lacking one of said ranges, making a matte print by exposure in register with a foreground color aspect record substantially responsive, and a second foreground color aspect record substantially unresponsive to said lacking range, and photographically print-

ing said background and foreground records together with said matte print, whereby foreground



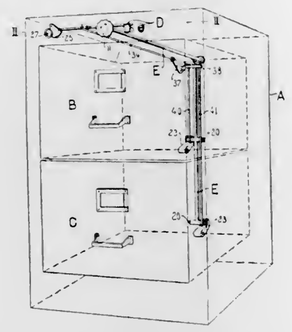
and background areas can be combined on a single record.

2,277,142

CABINET LOCKING MECHANISM

Willem van Osselen, Culemborg, Netherlands, assignor to Gispen's Fabriek voor Metaalbewerking N. V., Culemborg, Netherlands, a company of the Netherlands

Application February 17, 1938, Serial No. 190,890
In the Netherlands February 18, 1937
3 Claims. (Cl. 70—438)

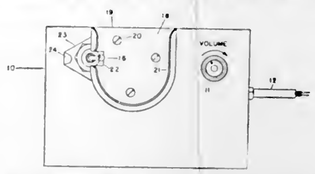


1. In a cabinet provided with a part, such as a drawer, door or the like, adapted to be opened or shut, said part carrying engageable means; a locking mechanism for said part, an indicating device, means operatively coupling said device with said locking mechanism so as to hold it in one position as long as said locking mechanism remains unlocked and in another position when the locking mechanism is locked, a feeler adapted for cooperation with said engageable means carried on said part, and mechanical means cooperating with both said feeler and with said indicating device to maintain said device in said one position as long as said part is not properly shut, and under the control of said feeler to allow said device to move to said another position when said part is properly shut.

2,277,143

MICROPHONE HOLDER

Leo E. Perry, United States Navy
Application August 12, 1940, Serial No. 352,269
5 Claims. (Cl. 179—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

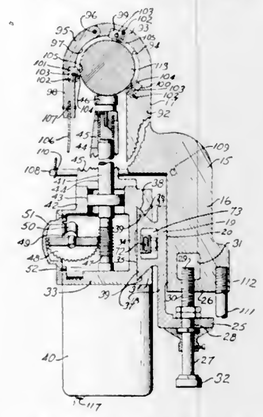


1. In combination, a microphone holder having a predetermined path which must be followed by a microphone being placed into said holder, a switch movable to two positions to selectively connect either of two circuits to the microphone placeable in said holder, a switch toggle movable to either of two positions for operating said switch, one position of said toggle being in the predetermined path of the microphone entering the holder, the other position being out of said path whereby the microphone entering and leaving the holder necessarily leaves the switch toggle in the position out of its path and necessitates manual operation of said toggle if the switch is to be operated to the other circuit connecting position.

2,277,144

GRINDER

Hans Petersen, Minneapolis, Minn., assignor to Storm Manufacturing Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application January 29, 1940, Serial No. 316,091
7 Claims. (Cl. 51—241)



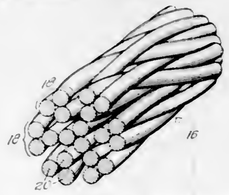
1. In a machine for grinding a rotating journal, a frame, means for mounting said frame upon said journal, a bracket member mounted upon said frame for adjustment toward and away from said journal, a carriage mounted upon said bracket member for reciprocatory movement longitudinally of said journal, a motor rigid with said carriage, a motor shaft, a grinding entity rigid with said motor shaft and adapted to be operative upon said journal, means actuated by said motor shaft for causing said carriage to be reciprocated relatively to said bracket member, means for adjusting the length of the reciproca-

tions of said carriage, and means for adjusting said bracket member with said carriage, motor, motor shaft and grinding entity toward and away from said journal.

2,277,145

REINFORCING CABLE

Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application April 19, 1941, Serial No. 389,460
7 Claims. (Cl. 57—145)

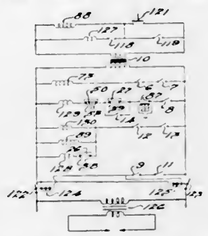


1. An elongated member consisting of a plurality of bent metallic filaments lying close together and having substantially only point contacts with each other and rubber covering, impregnating, and penetrating entirely through said member, said rubber in contact with substantially the entire surface of each metallic filament except where said filaments have point contact with each other.

2,277,146

SYSTEM OF ELECTRIC WELDING

Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 4, 1939, Serial No. 259,764
14 Claims. (Cl. 219—4)



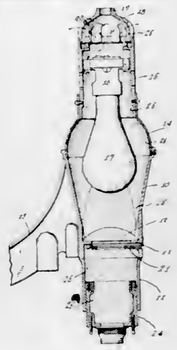
1. A control system for an electric welder having electrodes adapted to be clamped against the work and to transmit current through the work to perform the welding operation, comprising means for initiating the pressing of said electrodes against work to be welded, means for periodically energizing said welding electrodes, means for counting the number of impulses transmitted to the electrodes, and means for discontinuing the current impulses after a predetermined number have been transmitted, said counting means being readily adjustable to selectively vary the number of impulses transmitted.

2,277,147

ENLARGER

Elwood C. Rogers, Indianapolis, Ind.
Application October 9, 1939, Serial No. 298,574
6 Claims. (Cl. 88—24)

1. A photographic enlarger, having a housing in which a lamp may be mounted and which may carry one or more lenses, the walls of which housing are provided internally with a layer of

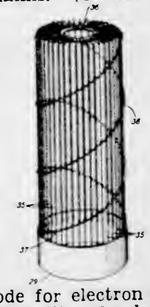


heat-resistant adhesive material to which is attached a layer of heat-insulating flock.

2,277,148

ELECTRODE FOR ELECTRON DISCHARGE DEVICES

Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1941. Serial No. 376,564
6 Claims. (Cl. 250—27.5)



1. An electrode for electron discharge devices comprising a plurality of relatively rigid wires arranged in parallel relation, means mounting said wires to allow substantially free longitudinal expansion and contraction thereof with temperature variations and spacing said wires at one portion thereof, and means for maintaining said wires in parallel relation during expansion and contraction thereof including a plurality of cantilever spring elements each having its ends fixed to one pair of said wires, said elements being sections of a resilient wire extending obliquely with respect to said parallel wires.

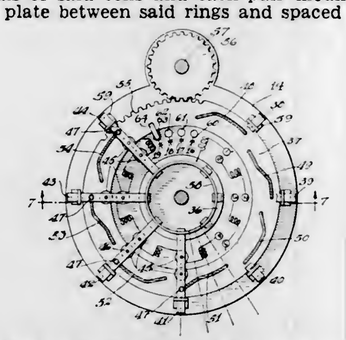
2,277,149

SWITCHING MECHANISM FOR MULTIPLE FREQUENCY BAND RECEIVERS

William A. Schaper, Cicero, and George B. McClellan, Chicago, Ill., assignors to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 8, 1940, Serial No. 328,458
4 Claims. (Cl. 200—11)

1. As a means for selectively connecting a plurality of permeability tuned inductance coils in different ones of series, parallel and series-parallel arrangements, the combination of a

mounting plate, concentric flat metal rings mounted on said plate and spaced from each other radially by a substantial amount, pairs of electrical contacts for connection with the terminals of said coils and each pair mounted on said plate between said rings and spaced there-



from and from each other, said rings constituting bus-connections for the selective connecting means, movable switch arms having conductive contactors for selectively connecting said electrical contacts and said rings, and cam mechanism for actuating said switch arms.

2,277,150

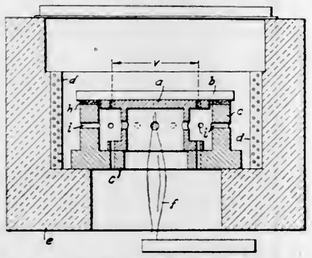
METHOD OF MANUFACTURING VACUUM TUBE DEVICES

Rudolf Scharfnagel, Stuttgart, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application April 14, 1939, Serial No. 267,743

In Germany April 14, 1938

2 Claims. (Cl. 250—27.5)



1. The method of manufacturing vacuum tube devices comprising the steps of placing a ceramic closure member provided with holes in the interior of a metallic die forming part of a heater device, covering said closure member and the upper end of said die with a glass disc of adequate size, pre-heating the closure member and disc located in said heater device to a temperature at which the glass is converted from its solid to its soft state to fuse said glass disc onto said closure member, applying additional heat by a flame to the center of said closure member to partially convert the glass from a soft to a fluid condition, pushing glass collar equipped lead-in conductors through the fluid layer of glass and said holes in the said closure member, cooling the heater device, connecting an electrode system to said lead-in conductors, inserting the glass-covered closure member with its electrode system into a metallic envelope having a substantially flat sealing surface at right angles to its major axis, adjusting the projecting portion of said glass disc in abutting relation with the flat surface of said envelope, pre-heating said abutting surfaces in a heater device, and sealing said surfaces together in a high frequency current heat treatment.

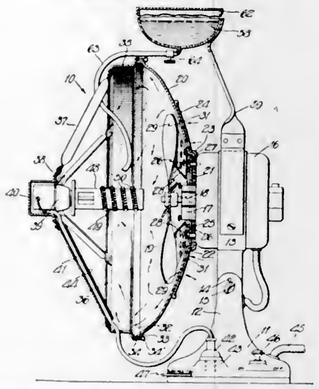
2,277,151

HOT AIR CIRCULATING HEATER

Carl Schoonmaker, New York, N. Y.

Application April 5, 1939, Serial No. 266,079

1 Claim. (Cl. 219—39)



A hot air circulating heater comprising an electric fan including an electric motor having a driven rotatable shaft and a blade fan element fixed thereto, an annular bowl shaped casing fixed to said motor and within which said fan element is disposed in close spaced proximity to the concave side thereof, said casing having air inlet openings therein, a straight annular flange formed integral with the periphery of said bowl shaped casing and being concentric to the axis of said casing, an annular air confining band having its inner portion frictionally telescoping said flange and having its outer portion extending forwardly thereof, a hub member in axial alinement with the axis of rotation of said fan element and disposed forward of the plane of the outer edge of said band, radially arranged bars rigidly connecting said hub member and said band together, an electric socket mounted in said hub member and having its open end facing inwardly, and an electric heating element mounted in said socket and extending inwardly therefrom, substantially as and for the purpose specified.

2,277,152

PREPARATION OF POLYAMIDES

Paul Schlack, Berlin-Treptow, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del.

No Drawing. Application December 7, 1939, Serial No. 307,984. In Germany December 8, 1938

3 Claims. (Cl. 260—78)

1. A process of producing highly polymeric linear polyamides, which comprises heating at polyamide-forming temperatures a N-acyl-derivative of a substance selected from the class consisting of a monoaminomonocarboxylic acid, the esters, lactams, chlorides and amides of said acid, the chain between the amino and carboxyl groups in said acid having at least 5 carbon atoms and being free from reactive groups, the acyl radical in said N-acyl derivative being that derived by removal of the hydroxyl group from a carboxylic acid.

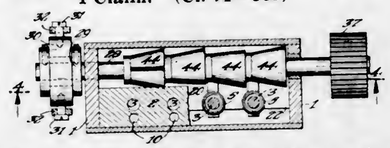
2,277,153

INJECTOR FOR DIESEL ENGINES

Wallace J. Scott and Wallace J. Scott, Jr., White Plains, N. Y.

Application May 26, 1939, Serial No. 275,876

1 Claim. (Cl. 74—568)



A rotatable cam element adapted for actuating fuel injectors for Diesel engines and the like, said cam element having a cam device adapted to simultaneously change the degree of actuation and period of actuation of the injector by the longitudinal movement of said cam, and having an arcuate lift surface adapted to effect a maximum active movement of the injector at the beginning of the cam action and progressively lesser active movement thereafter, the two sections of the cam, at opposite sides of a line drawn transversely therethrough at its axis, being symmetrical.

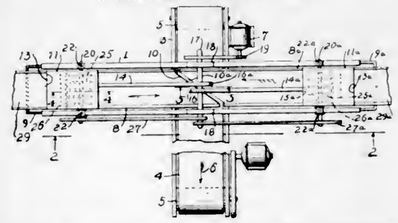
2,277,154

CONVEYER FEEDER

Byron W. Scott, near Los Gatos, Calif.

Application April 6, 1940, Serial No. 328,352

3 Claims. (Cl. 198—59)



1. In a device of the character described, a horizontal traveling belt, a shaking chute disposed at a right angle thereto with an angular discharge end extending over the width of the belt, means operative to shake the chute and move material thereover to its discharge end, and means operative to control the quantity of material flowing over the chute.

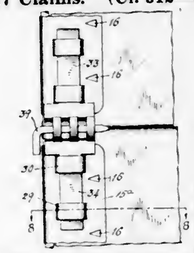
2,277,155

STACKING DEVICE FOR STORAGE FILES

Sol Scheinman, White Plains, N. Y.

Application February 21, 1936, Serial No. 65,037

17 Claims. (Cl. 312—111)



1. A stacking member for individual files adapted to be arranged in vertical columns and horizontal rows, said member having end portions adapted to engage suitable anchoring means at the top of one casing and at the bottom of a superposed casing and having an intermediate portion composed of outwardly bent, spaced ribs, the spaces between the ribs being sufficiently wide to enable the ribs of a second similar member to interengage with the ribs of the aforementioned member, and means for limiting the movement of the stacking member with respect to the anchoring means at the top of the casing so as to position the spaced ribs for interfingering with the spaced ribs at a reversely positioned stacking member on an adjacent column of casings.

2,277,156

FEEDING MEANS FOR RECORDING MACHINES

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner executors of said John Q. Sherman, deceased

Original application August 29, 1933, Serial No. 687,303. Divided and this application October 15, 1936, Serial No. 106,586

11 Claims. (Cl. 197—133)



6. In a writing machine wherein a strip of marginally punched record material is progressively advanced past a writing position, a rotary platen roll about which the material is advanced, frictional feeding means for cooperating therewith, a pin type feeding device comprising a single series of travelling pins located above the level of and rearwardly offset relative to the platen roll beyond the normal path of advancement of the material by the frictional rollers engageable in marginally punched holes in one margin only of the record material after the engaged portion thereof has been advanced past the platen roll to continue the advancement thereof independently of the frictional feeding means, and means for actuating the pin type feeding device in synchronism with the rotation of the platen.

2,277,157

TRANSMISSION

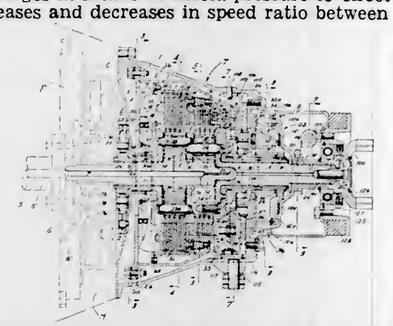
John Sneed, Grosse Pointe Shores, Mich.

Application December 31, 1935, Serial No. 57,017

20 Claims. (Cl. 74—259)

1. In a motor vehicle having an engine with an intake manifold and a transmission having driving and driven shafts, two change-speed mechanisms arranged between said shafts, one of said

mechanisms being responsive to speed and torque to effect changes in speed ratio between said shafts, the other mechanism being responsive to changes in intake manifold pressure to effect increases and decreases in speed ratio between the



first mechanism and one of said shafts, said second named mechanism increasing said speed ratios automatically when manifold pressure exceeds a predetermined amount and decreasing said speed ratios automatically when manifold pressure falls below a predetermined amount.

2,277,158

INSECTICIDAL COMPOSITION

Wilfred Archibald Sexton, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 2, 1940, Serial No. 333,033. In Great Britain April 14, 1939

3 Claims. (Cl. 167—22)

1. Insecticidal compositions comprising at least one member of the class consisting of N:N'-di-(1-cyanoalkyl)-substituted aliphatic and heterocyclic diamines and an inert carrier.

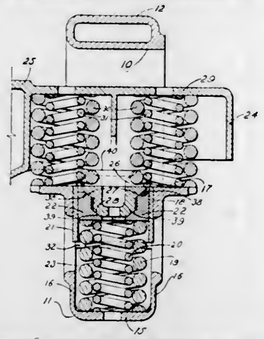
2,277,159

CAR TRUCK

James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application October 25, 1940, Serial No. 362,747

4 Claims. (Cl. 105—197)



2. In a car truck, a side frame having a bolster receiving opening and a shelf therebelow, a bolster extending into said opening, lugs on said bolster extending downwardly through apertures in said shelf, spring means positioned in said side frame below said lugs, a single friction member mounted in each of said apertures, friction shoes disposed within said friction member and interposed between said spring means and one of said lugs, wedging surfaces on said shoes adapted to cooperate with corresponding wedging surfaces on said lug to urge said shoes outwardly against said friction member upon downward movement of said bolster relative to said side frame, and means on said shoes adapted to cooperate with portions of said friction members to correctly position said friction shoes circumferentially of said friction members during assembly of said shoes with said members.

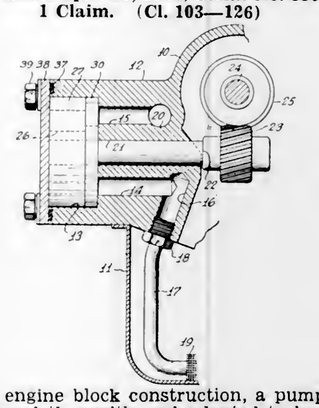
2,277,160

PUMP CONSTRUCTION

Clarence W. Shaw, Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 19, 1940, Serial No. 330,521

1 Claim. (Cl. 103—126)



In an engine block construction, a pump boss cast integral therewith and adapted to be operated upon incidental to machining operations performed upon the block in reducing it to finished form so as to provide a counterbore including inlet and outlet passages therein, a shaft bore terminating in said counterbore, a shaft housed in the shaft bore including a drive connection upon the inner end adapted to be meshed with a driving means in the engine, an inlet conduit in registration with the inlet passage in said counterbore, matched male and female toothed pump rotor parts adapted to be inserted in said counterbore with said male rotor secured to said shaft for rotation of said rotors by said driving means in eccentric relation to each other thereby forming chambers which expand and contract, and a separately fabricated porting plate adapted for insertion in said counterbore including means to restrain said porting plate in indexed relation to the eccentricity between said rotor parts and the chambers defined by the matched relationship of the said rotors, whereby an accurate relation may be maintained between the ports in said plate and the chambers defined by said rotors.

2,277,161

ELECTRICAL PLUG

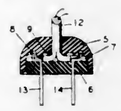
Paul Sickinger, San Jose, Calif.

Application December 24, 1940, Serial No. 371,500

3 Claims. (Cl. 173—361)

1. In an electrical plug, a body portion having a central opening therethrough for the reception of an electric wire carrying cord, a recess formed in said body portion, concentric grooves formed in said body portion within said recess and concentric with said opening and forming

two concentric circular portions, the inner of which impinges on the insulation of said electric cord and the outer of which impinges on the wire of said cord, and a prong carrying threaded member engaging said body portion, the inner



and outer concentric portion of said body portion and said threaded member serving to compress the ends of said cord and the wires thereof individually to produce a locking effect between said cord and said threaded member and an electrical contact between the wires and said prongs.

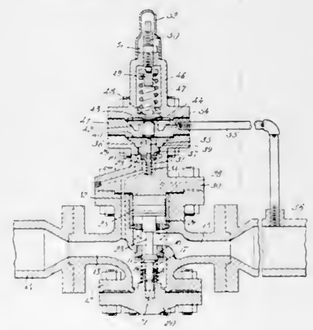
2,277,162

PRESSURE REGULATOR

Sten Soderberg, Passaic, N. J., assignor to Leslie Company, Lyndhurst, N. J., a corporation of New Jersey

Application December 17, 1940, Serial No. 370,487

7 Claims. (Cl. 50—11)



1. In a pressure regulator, a regulating valve, a pair of pressure responsive elements operatively connected to the valve, each of said elements being subjected on its opposite sides to relatively variable fluid pressures and one of the elements being subjected on one side to a relatively high fluid pressure, and means for gradually decreasing the effective pressure area of said last element as it moves in the direction in which it is urged by said relatively high fluid pressure.

2,277,163

TREATMENT OF ARTIFICIAL TEXTILE MATERIALS

Percy Frederick Combe Sowter and Richard Gilbert Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 14, 1940, Serial No. 352,632. In Great Britain September 15, 1939

5 Claims. (Cl. 8—131)

1. Process for the crimping of artificial staple fiber made of an organic derivative of cellulose, which comprises subjecting the staple fiber, while in a condition in which the individual fibers are substantially free to contract, to the action of a medium comprising ethyl acetate, water and ethyl alcohol.

2,277,164

METHOD OF CRINKLING STAPLE FIBERS

Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 10, 1941, Serial No. 392,950. In Great Britain June 1, 1940

5 Claims. (Cl. 8—131)

1. Process for crinkling staple fiber having a basis of an organic derivative of cellulose, which comprises subjecting said staple fiber to the action of a medium comprising a lower aliphatic alcohol and a chlorinated hydrocarbon selected from the group consisting of trichlorethylene, dichlorethylene and carbon tetrachloride, while the fibers are substantially free to contract.

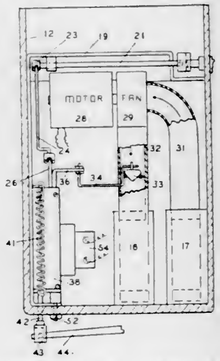
2,277,165

TOILET VENTING DEVICE

Percy H. Stebbing and Leon L. Wallace, Petaluma, Calif.

Application September 8, 1941, Serial No. 410,012

2 Claims. (Cl. 4—213)



1. In a device of the character described, in combination with a toilet bowl, of a tank positioned thereon, a seat pivoted to said bowl, a chamber formed in said tank, passages connecting said chamber and said bowl to a discharge from said bowl, a motor driven fan interposed between said bowl and said discharge, an actuating mechanism for controlling the actuation of said fan and comprising an actuator having a pair of opposed pivoted dogs, a flushing actuated slider having a nose in alignment with one of said dogs, a switch toggle in alignment with the other of said dogs, cam means for alternately moving said dogs into engagement with said nose and said toggle, and a seat operated lever for moving said actuator against a spring tension.

2,277,166

VACUUM CLEANER FAN

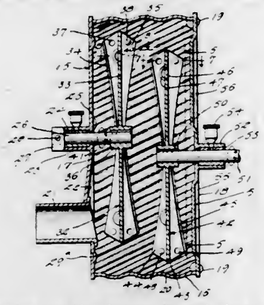
Curtis E. Steele, Garrattsville, N. Y.

Application December 10, 1940, Serial No. 369,504

9 Claims. (Cl. 230—125)

1. A fan structure comprising an annular housing, intake and outlet members for said housing, a fan member in said housing, a drive shaft journalled in said housing and fixed to said fan member, a second shaft journalled in said housing eccentrically of said first shaft and extending oppositely therefrom, a second fan member fixed to said second shaft and having a portion thereof confronting said intake member, said second fan member comprising a disc, fan

blades on opposite faces of said disc so arranged that the incoming air striking the blades on the outer face of said disc will effect rotation there-



of, the blades on the inner face being so arranged as to force the air inwardly in the direction of said first fan member.

2,277,167

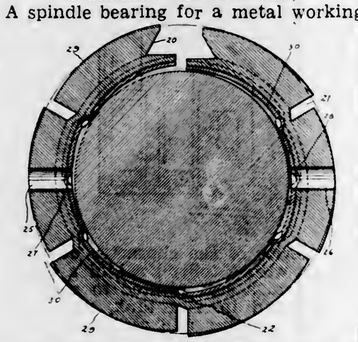
BEARING

Amos P. Steiner, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.

Application November 24, 1939, Serial No. 306,017

6 Claims. (Cl. 308—240)

1. A spindle bearing for a metal working ma-



chine consisting of a cylindrical member split axially and having the outer surface curved in an axial direction, spaced axial slots in said outer surface, and oil grooves on the inner surface of said member parallel with the axis thereof and in radial alignment with said slots.

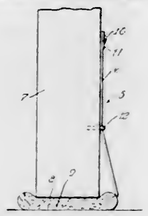
2,277,168

DOOR HOLDER

Edwin E. Strom, Ely, Minn.

Application November 12, 1940, Serial No. 365,351

1 Claim. (Cl. 292—342)



In a holding attachment for a door, an elastic strip adapted to be fastened in vertical position to the lower portion of the door, and a member of resilient material easily yieldable to pressure secured to the lower end of the said strip, the said resilient member formed to assume a spherical shape in released inoperative position and compressible to a deformed flat shape between the bottom of the door and a floor in operative door holding position.

2,277,169

PRESS PROCESS OF MAKING REPRODUCTION IMPRESSES AND PRODUCT THEREOF

Joseph L. Switzer and Robert C. Switzer, Cleveland, Ohio

No Drawing. Application August 2, 1938, Serial No. 222,676

24 Claims. (Cl. 41—26)

1. A process of making duplicate luminescent reproduction impresses which comprises the printing of fluorescent inks upon a receiving surface in fractional-tone structures, the quantities of which inks per unit of area are increased in accordance with any increase in fluorescence brightness desired and decreased in accordance with any decrease in fluorescence brightness desired, and the printing of non-fluorescent reproduction impresses in visible light absorbing inks upon the same receiving surface in selected areas substantially free of fluorescent inks.

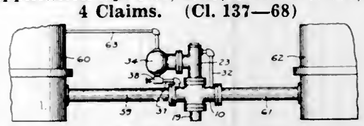
2,277,170

VALVE MECHANISM

Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Application April 21, 1939, Serial No. 269,143

4 Claims. (Cl. 137—68)



3. In combination with a vessel arranged to be filled with liquid refrigerant at a predetermined pressure and having an outlet conduit, a main valve to control the flow in the conduit, a fluid-pressure responsive device connected to the valve to move the same toward open position, a pilot valve arranged to control the flow of refrigerant to the device, means to actuate the pilot valve and admit refrigerant to the device when the liquid level is above a predetermined height, and means biasing the main valve toward its closed position with a force sufficient to hold it closed when the refrigerant in the vessel is at the said predetermined pressure and arranged to yield and allow the fluid-pressure responsive device to open the main valve when the pressure of the refrigerant on the said device materially exceeds the said predetermined pressure.

2,277,171

APPARATUS FOR SUSPENDING SELF-LEVELING PLATFORMS

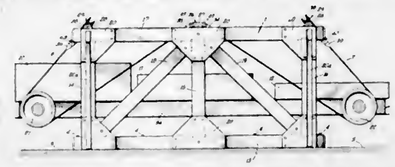
John A. Traylor, deceased, late of Denver, Colo., by Tessie S. Traylor, Edna T. Eisenhand, and John B. Traylor, executors, Denver, Colo.

Application January 22, 1940, Serial No. 314,956

12 Claims. (Cl. 114—191)

5. In a device for maintaining level apparatus to be carried by a deck subjected to a rocking motion, the combination of: a platform on said deck for supporting said apparatus; supporting means interposed between said deck and said

platform; and means extending from said platform near the ends thereof and engaging said supporting means at a point above the center of



gravity of said platform for defining for said ends upright paths of movement each comprising a portion of an ellipse.

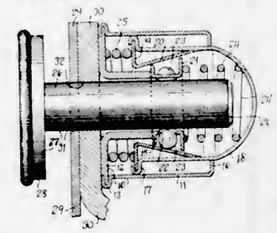
2,277,172

SEPARABLE FASTENER

John L. Vacher, deceased, late of Bridgeport, Conn., by Martin F. McKeon, administrator, Bridgeport, Conn., assignor to Madeleine D. Vacher, Bridgeport, Conn.

Application December 4, 1940, Serial No. 368,445

4 Claims. (Cl. 24—211)



1. A separable fastener comprising: a hollow body having a retaining-member opening in its front end and a clutch-carrier opening in its rear end; a releasing-abutment projecting rearwardly from the forward portion of the said body into the hollow interior thereof; a clutch-carrier projecting outwardly through the clutch-carrier opening in the rear of the said body and having a portion reciprocating in the latter; clutch-means carried by the said clutch-carrier and constructed and arranged to releasably grip a retaining-member inserted through the retaining-member opening in the front of the said body and positioned for engagement with the said releasing-abutment of the said body when the said clutch-carrier is moved forwardly relative to the said body; spring-means mounted in the said clutch-carrier and urging the said clutch-means forwardly and into clutching engagement with a retaining-member; and a second or clamping-spring within the said body and engaging with the said clutch-carrier to urge the same rearwardly with respect to the said body.

2,277,173

AIRPLANE MECHANISM

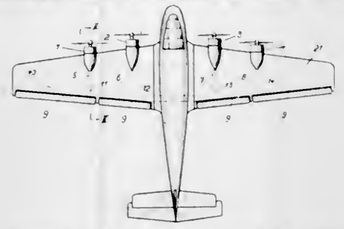
Herbert Wagner, Hans Gropler and Georg Backhaus, Dessau, Germany, assignors to Junkers Flugzeug - und - Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany

Application July 7, 1939, Serial No. 283,252

In Germany July 11, 1938

24 Claims. (Cl. 244—40)

1. An airplane mechanism of the character described comprising a passage provided through a portion of an airplane, said passage having laterally disposed apertures therethrough opening to the outer air, a plurality of branches extending from the passage each opening into the outer air, a separate pumping means for forcing air through each branch, and valve means in



each branch operable to prevent a reversal of air flow upon failure of the pumping means for that branch, and means for operating each valve means.

2,277,174

PROCESS FOR PRODUCING WATER-REPELLENT TEXTILE MATERIALS AND PRODUCT THEREFROM

Ernst Waltmann, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 14, 1937, Serial No. 142,623. In Germany May 19, 1936

17 Claims. (Cl. 8—113)

1. A process for treating textiles which comprises subjecting a textile material of animal origin to a water-soluble quaternary ammonium compound of methyl halogen ether of a higher fatty alcohol having the general formula

$$\begin{matrix} R.O.CH_2 \\ | \\ NX.halogen \end{matrix}$$

in which R is an aliphatic radical containing at least 10 carbon atoms, and NX stands for a tertiary amine, and heating the so treated textile material to increase the water-repellence thereof.

2,277,175

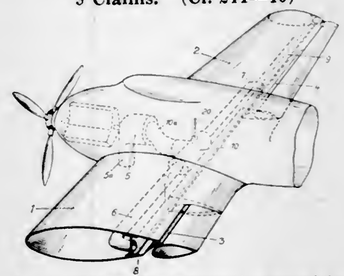
MEANS FOR EQUALIZING THE AIR FLOW FROM OR INTO THE SKIN LAYER

Herbert Wagner, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany

Application July 7, 1939, Serial No. 283,253

In Germany July 8, 1938

9 Claims. (Cl. 244—40)



1. An airplane arrangement comprising a fuselage, wings extending on opposite sides thereof and having slots therein, pumping means, a mechanism connected thereto, opposed pipes extending from opposite sides of the mechanism and terminating in said slots, said mechanism including rigidly connected valves spring-bal-

anced in opposite directions mounted therein for movement in unison to increase the area of passage between said mechanism and the other pipe and seats mounted around said valves whereby the suction flow from the skin layer adjacent opposite sides of the wings to the pumping means is automatically equalized.

2,277,176
HINGE
Robert S. Wagner, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 15, 1940, Serial No. 352,721
4 Claims. (Cl. 16—163)



1. A multiple pintle hinge having a single flat bodied connector leaf, wing leaves pivotally secured to said connector leaf, said wing leaves being provided with integral fastening prongs extending at right angles to the plane of said wing leaves and adapted to be driven into the material to be hinged by pressure applied against said connector leaf when a wing leaf is flatly folded thereagainst.

2,277,177
SHIELD FOR ELECTRICAL CONDUCTORS
Hugo H. Wermine, Wheaton, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1940, Serial No. 317,921
10 Claims. (Cl. 174—121)



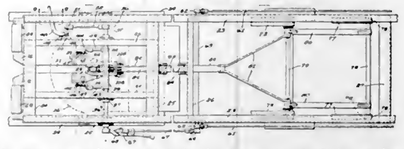
1. A continuous cord, comprising a flexible core, a flexible, tubular conductor disposed about said core, and a flexible sleeve of insulating material which includes a fabric sheath in contact with and bonded to said conductor, said core being capable of being withdrawn from within said conductor sleeve in substantial lengths to provide a flexible hollow shield, said sleeve serving to support and mechanically strengthen said conductor so as to render said shield self supporting when said core is removed therefrom.

2,277,178
ELECTRICAL INSULATION
Hugo H. Wermine, Wheaton, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1940, Serial No. 317,922
7 Claims. (Cl. 138—55)



1. A continuous cord comprising a solid, continuous, flexible core of disposable, twisted paper construction and a tubular sheath of insulating material positioned about said core, said core supporting the said sheath so as to prevent crushing or collapse thereof when said cord is wound onto a reel, and said core being capable of being withdrawn from said sheath in substantial lengths to provide a flexible, tubular insulation.

2,277,179
TRACTOR-TRAILER VEHICLE
Sidney B. Winn, Lapeer, Mich.
Application February 24, 1941, Serial No. 380,324
9 Claims. (Cl. 280—33.1)



1. In a trailer vehicle to be coupled to a tractor, a frame supported in part by rear wheels having brakes, a prop for supporting the forward end of the frame, said prop having a raised position, a lever fulcrumed on said frame and operatively connected to the trailer brakes, said lever being operable by means on the tractor for operating the brakes, a push rod operatively connected to said prop, said push rod being movable rearwardly by the tractor backing into the trailer for raising said prop, locking means carried by said frame and engageable with the cooperating means on said push rod and operable for releasably holding said lever in a position to hold the brakes applied when the prop is in lowered position, and means carried by said push rod and operable to release said locking means.

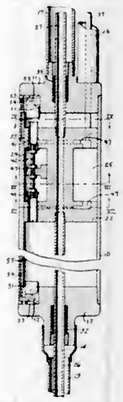
2,277,180
ALKYLENE DIAMINE ALKYL MERCURY COMPOUNDS
Fritz Wolff, Berlin-Pankow, Karl Görnitz, Teltow-Seehof, and Willy Harnack, Berlin-Friedrichshafen, Germany, assignors to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York
No Drawing. Application August 6, 1938, Serial No. 223,450. In Germany August 7, 1937
3 Claims. (Cl. 260—431)

3. The compounds of the formula:

$$(Cl.Hg.C_2H_5)_x.(NH_2.CH_2.CH_2.NH_2)_y$$

wherein x is a whole number from 2 to 3 and y is from 1 to 2.

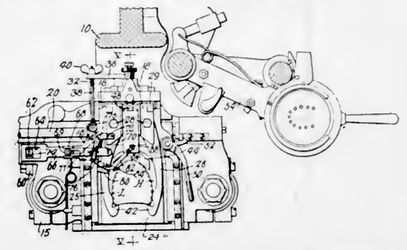
2,277,181
APPARATUS FOR PUMPING DEEP DRIVEN WELLS
Donald W. Zuck, Dewey, Okla.
Application September 20, 1939, Serial No. 295,734
7 Claims. (Cl. 121—123)



1. In a reciprocating engine, a double acting

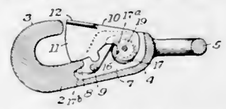
piston having a chamber therein, axially slidable valve means extending through the ends of said piston and through said chamber, said valve means comprising a pair of valve elements slidable in holes in the ends of said piston and having outwardly facing shoulders adapted to engage the ends of said chamber, and valve stem means threaded into and interconnecting said valve elements.

2,277,182
HEEL HOLDER FOR HEEL-ATTACHING MACHINES
George J. Reardon, Bridgewater, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 29, 1940, Serial No. 337,846
16 Claims. (Cl. 1—32)



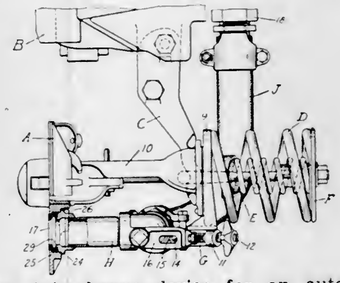
1. In a heel-attaching machine, nail-driving mechanism, a holder movable into and out of co-operation with the driving mechanism and having movable upon it members between which a heel-portion is grasped for nailing, and means movable under the power of the machine for separating the grasping members.

2,277,183
SNAP HOOK
Charles F. Reynolds, Cleveland, Ohio, assignor to The Eastern Malleable Iron Company, Naugatuck, Conn., a corporation of Connecticut
Application November 22, 1940, Serial No. 366,625
5 Claims. (Cl. 24—235)



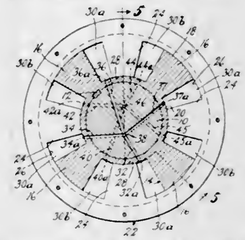
5. A snap hook of the type having a body and a pivoted tongue which is pulled outwardly to open the snap and which is closed by spring action, comprising a body member with a hook thereon, a tongue member for cooperation with the hook received within the body member, said tongue member being provided with a web portion offset from the plane of the longitudinal center of the tongue, the web being provided with a hub portion, said hub portion having a shoulder thereon, a pin passing through the body and through said hub to pivotally secure said tongue in the body, and a flat torsion spring encircling the hub having an inner terminal portion which engages the shoulder on said hub and having an outer terminal portion cooperatively engaging a part of the body, the body having a transverse portion under which the said outer terminal portion of the spring is engaged, said torsion spring serving to resiliently hold the tongue in a position to close the hook.

2,277,184
AUTOMATIC TRAIN PIPE CONNECTOR
Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin
Application December 27, 1938, Serial No. 247,817
6 Claims. (Cl. 285—58)



1. An interchange device for an automatic train pipe connector comprising, in combination, a fitting removably connected to the connector head and adapted to conduct a fluid thereto, an interchange dummy adapted to connect said fitting into interchange communication with the train pipe hose of a car not equipped with said connector, and manually operated means pivotally mounted on said dummy for removably connecting the dummy to said fitting when the fitting is removed from said head, said means including an anchor member, and a clamping device adapted to rotate the anchor member on its bearing on said dummy to move it against one end of said fitting to clamp the dummy and the fitting together.

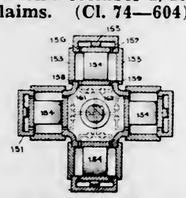
2,277,185
TORSIONAL VIBRATION DAMPER
Edvin Ossian Parcival Thege, Stockholm, Sweden
Original application November 9, 1934, Serial No. 752,324. Divided and this application April 27, 1940, Serial No. 331,985. In Sweden December 4, 1933
15 Claims. (Cl. 74—604)



1. In a torsional vibration damper, a rotatable member subject to torsional vibration, an inertia member mounted to rotate with the first mentioned member and to have limited angular movement relative thereto, one of said members providing a piston and the other of said members having a recess in which said piston is movably mounted, said recess providing a chamber for fluid at each side of said piston, and channel means interconnecting said chambers and providing for flow of fluid therebetween, said channel means communicating with the respective chambers through ports spaced from the end walls thereof and located to be closed by said piston in its terminal positions to thereby provide abutments consisting of trapped fluid bodies for stopping said piston, and said piston being

mounted to move to said terminal positions under the influence of forces resulting from torsional deflection of said rotatable member.

2,277,186
TORSIONAL VIBRATION DAMPER
Edvin Ossian Parcival Thege, Stockholm, Sweden
Application November 9, 1934, Serial No. 752,324
In Sweden December 4, 1933
7 Claims. (Cl. 74—604)

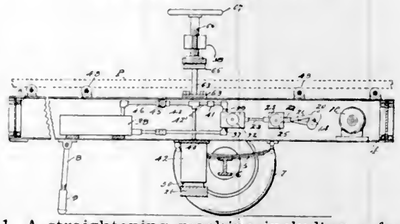


1. In a torsional vibration damper, a torsionally vibratory rotatable member, vibration dampening means including a second member providing inertia mass, said second member being carried by said rotatable member, said second member having limited movement between terminal positions with respect to said rotatable member, and means for determining said terminal positions including a primary fluid chamber formed in one of said members, the other of said members comprising a piston movably disposed in said chamber, a secondary fluid chamber formed in one of said members and having a substantially smaller cross sectional area than said primary chamber, a secondary piston movably positioned in said secondary chamber, means forming a passageway connecting said primary chamber with said secondary chamber at one side of said secondary piston, and means comprising an outlet port in said secondary chamber at the opposite side of said secondary piston, said outlet port being arranged to be substantially completely closed by said secondary piston in a terminal position thereof whereby movement of said secondary piston relative to the member containing said secondary chamber is stopped due to fluid trapped in said secondary chamber upon closure of said port, the stopping of said secondary piston serving to stop said primary piston, due to fluid trapped between said pistons.

2,277,187
CORONA DISCHARGE PROTECTIVE DEVICE
Henry L. Transtrom, Glendale, Calif.
Application October 5, 1938, Serial No. 233,376
3 Claims. (Cl. 174—5)

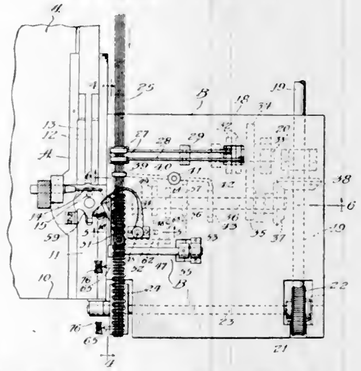
2. Apparatus as disclosed including means for introducing a charge of electricity into a human body, and a conductor cap placed on the end of a digit of the hands of said body to protect said digit against the objectionable effects of corona discharge of said electricity through said digit.

2,277,188
PORTABLE PIPE STRAIGHTENER
Clifford E. Van Stone and Arthur E. Johnson, Taft, Calif., assignors to Shaffer Tool Works, Brea, Calif., a corporation of California
Application August 12, 1939, Serial No. 289,820
3 Claims. (Cl. 153—48)



1. A straightening machine including a frame having spaced side walls, and a press assembly including a pressure chamber block, a piston rod guide block, and a crank shaft each having end trunnion supports rigidly set into and secured to the frame walls whereby to secure rigidity and correct alinement of assembly.

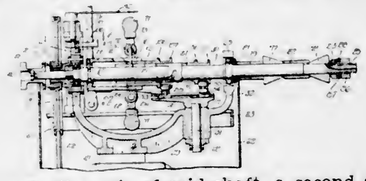
2,277,189
HEADING FORMING MACHINE
Robert E. Walliser, Libertyville, Ill., assignor to Lewis G. Blessing
Application April 8, 1939, Serial No. 266,883
10 Claims. (Cl. 28—2)



1. In heading forming mechanism of the character set forth, means for weaving a heading material, means for advancing a thread forwardly from said heading material in the weaving thereof to form a loop extending therefrom, and means for engaging said loop to hold the same in extended position and prevent the withdrawal of said loop in the weaving operation, said means including part of an ornamentation-applying device adapted to receive a loop for fixing an ornament thereto.

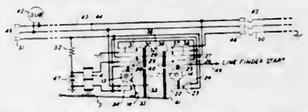
2,277,190
WHEEL-BALANCING MACHINE
Ira A. Weaver, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application July 28, 1939, Serial No. 287,128
6 Claims. (Cl. 73—53)

1. In a dynamic body-balancing appliance having a main-support, a member having a vertical-bearing on said support and capable of rocking in a horizontal plane about the axis of said bearing, a rotary shaft, bearing-means on said member accommodating said shaft, means to mount the body to be balanced fixedly on said shaft to rotate therewith, and means to rotate said shaft and body, the novel features of a first sleeve, means mounting said first sleeve on said shaft to turn around the axis of said shaft but against longitudinal movement on said shaft, a rock-arm pivoted on said sleeve and extending radially in opposite directions from the axis of said shaft, a pair of equal weights mounted on said rock-arm 180° apart and equal distances from the axis of said shaft, the axis of said pivot of said rock-arm being at right-angles to, and extending



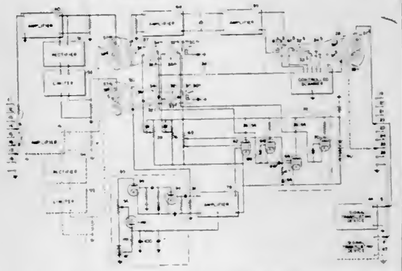
through, the axis of said shaft, a second sleeve on said shaft having a spiral-slot and pin connection with said shaft, means to slide said second sleeve manually longitudinally on said shaft to cause angular turning of said second sleeve around the axis of said shaft, a third sleeve on, rotatable with, and slidable longitudinally on, said shaft, means to adjust said third sleeve manually lengthwise on said shaft, and means connecting said three sleeves to said rock-arm, whereby manual adjustment of said second sleeve lengthwise of said shaft causes angular turning of said first, second and third sleeves and said rock-arm and weights about the axis of said shaft, and manual adjustment of said third sleeve lengthwise of said shaft effects rocking of said weights simultaneously and equally in opposite directions lengthwise of said shaft.

2,277,191
COMBINED LINE AND CUTOFF RELAY FOR TELEPHONE SYSTEMS
Ray S. Wilbur, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,517
5 Claims. (Cl. 179—18)



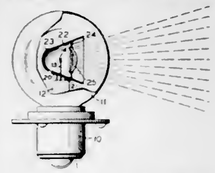
1. A relay having a core, windings thereon, an armature cooperating with said core, sets of springs having contacts operable by said armature, a first energizing circuit for said windings extending over normally closed contacts of certain of said springs, means controlled by the first energization of said windings over said circuit to operate certain of said springs to disconnect said windings from said circuit and to connect one of said windings to a second operating circuit, means operative upon the deenergization of said windings to operate certain of said springs to close a signaling circuit and means operative upon the reenergization of said one winding over said second operating circuit to operate certain of said springs to open said signaling circuit, said winding becoming deenergized upon the subsequent opening of said second operating circuit to restore all springs to their normal condition whereby said windings are reconnected to said first operating circuit.

2,277,192
MULTIPLEX SIGNAL-TRANSLATING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 28, 1940, Serial No. 337,569
13 Claims. (Cl. 179—15)



1. A multiplex signal-translating system comprising, a signal-transmission channel, a plurality of signal-input channels, a plurality of corresponding signal-output channels, means for cyclically simultaneously connecting and simultaneously disconnecting said signal-input channels and corresponding signal-output channels to said signal-transmission channel in a predetermined sequence and at a frequency which is higher than that of the highest-frequency signal component to be transmitted from any of said signal-input channels over said signal-transmission channel, and means for controlling the fraction of an operating cycle of said first-named means that any particular signal-input channel which is in use and its corresponding signal-output channel are connected together through said signal-transmission channel inversely in accordance with the number of signal-input channels which are in use during said operating cycle.

2,277,193
RADIANT ENERGY DIRECTIVE DEVICE
Clement H. Wyss, Jr., Tuckahoe, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,840
8 Claims. (Cl. 176—34)

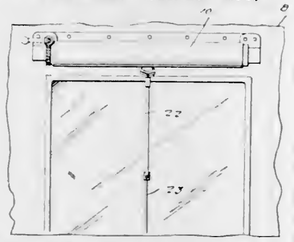


2. A controlled flux electric lamp comprising, a transparent envelope, a base for said lamp formed at one end of said envelope, an insulating stem extending from said base to the interior of said envelope, a filament mounted at the interior end of said stem, a reflector mounted on said stem and spaced a predetermined distance on one side of said filament, and a lens mounted on said reflector and spaced a predetermined distance on the other side of said filament.

2,277,194
COLOR LAKES AND METHOD OF PRODUCING SAME
Gellert Alleman, Wallingford, and John Harold Perrine, Prospect Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application July 21, 1938, Serial No. 220,518
8 Claims. (Cl. 260—1)

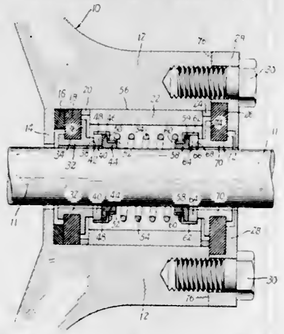
1. A color lake comprising the water-insoluble metal salts, precipitated in the presence of a water-soluble dyestuff, of a mixture of acids derived from asphaltic still bottoms obtained in the distillation of petroleum said acids including ones having the generic formula $C_nH_{2n-10}O_2$.

2,277,195
WINDOW WIPER
Edward J. Alpaugh, New York, N. Y.
Application May 19, 1941, Serial No. 394,174
3 Claims. (Cl. 15—253)



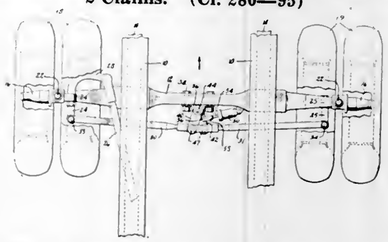
1. A window wiper comprising a tubular housing, brackets rotatably supporting the ends of the housing outwardly of a window, said housing having a longitudinal slot, a mechanically actuated wiper arm projecting through the slot for reciprocating movement, said arm having a blade thereon, a gear on the housing, and means operable inwardly of the window for actuating the gear and rotating the housing to swing the blade toward or away from the window.

2,277,196
PACKING GLAND CONSTRUCTION
Herman Richard Arf, Chicago, Ill., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application February 27, 1940, Serial No. 321,040
4 Claims. (Cl. 286—11)



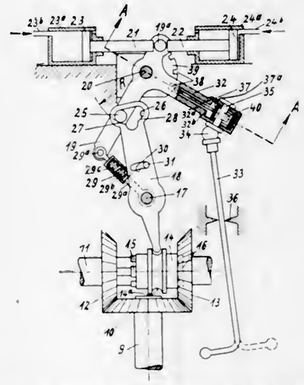
1. In a packing gland construction for providing a fluid-tight seal between a shaft and a wall structure through which the shaft extends, the combination of: two substantially independently operating sealing units which are positioned in spaced relationship along said shaft with each unit forming a fluid-tight seal between the shaft and the wall structure to thereby form a fluid chamber which is adapted to contain a lubricating fluid, each of said sealing units comprising, a shaft sealing ring tightly grasping the shaft to thereby form a seal around the shaft and having an outwardly extending resilient flange portion, a flanged metallic sleeve snugly receiving said flange portion and having a cooperating flange extending inwardly along and overlapping the side of said flange portion nearest the central portion of said chamber, a bearing ring retained by said sleeve and tightly engaging said shaft sealing ring at the end farthest from the central portion of said chamber, said bearing ring having an inner diameter such that it may move and tilt freely with respect to said shaft and having at its end a bearing face, a cooperating bearing ring having a cooperating bearing face tightly engaging said first-mentioned bearing face, said cooperating bearing ring having an external groove, a resilient sealing ring fitted into said groove and encircling and snugly receiving said cooperating bearing ring to thereby provide a flexible support for said cooperating bearing ring, and clamping means engaging and rigidly holding said resilient sealing ring and providing a fluid-tight seal along the periphery of said resilient sealing ring with respect to said wall structure, the peripheral portion of said resilient sealing ring being positively distorted so that said resilient sealing ring is displaced toward said cooperating bearing ring in a uniform manner; and compressed spring means within said chamber exerting pressure in opposite directions upon the two flanged sleeves of the two sealing units.

2,277,197
DIRIGIBLE DUAL WHEEL VEHICLE
Charles S. Ash, Milford, Mich.
Application August 5, 1939, Serial No. 288,485
2 Claims. (Cl. 280—95)



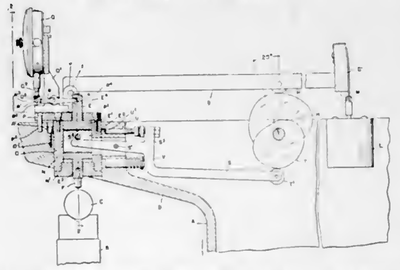
1. In a road vehicle steering mechanism, a drop axle having end portions disposed above the plane of the axle body, a pair of coaxial inner and outer wheels at each side of the vehicle, the inner wheel of each pair being arranged to rotate about the adjacent end of the axle, a dirigible mounting for each set of wheels including a stub axle pivotally connected with the adjacent end of the axle by a substantially vertical king pin disposed in a plane between the outer and inner wheels of the set, a pair of tie rods pivotally connected to said dirigible mountings below the plane of the ends of the axles and inwardly and rearwardly of said king pins and within the planes of the inner wheels, and a pivoted member to which the tie rods are pivotally interconnected in overlapping relation, said links being mounted by the pivotal connections substantially in the horizontal plane of the axle body and substantially parallel to each other.

2,277,198
SHIFTING MECHANISM FOR CHANGE GEARING
Wilhelm Auer, Heidenheim, Brenz, Germany
Application June 19, 1939, Serial No. 280,011
In Germany June 22, 1938
12 Claims. (Cl. 74—473)



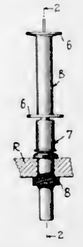
1. In a shifting mechanism for controlling the shifting of change gearing, a gear shift member, a shift lever engaging said shift member and having a cut-away portion therein, a control lever swingable about a pivot and having means for engaging said cut-away portion, and means for swinging said control lever, said cut-away portion having an approximately heart-shaped outline with two oppositely inclined surfaces, and said control lever means comprising a pin adapted alternately to engage said oppositely inclined surfaces of said cut-away portion to lock the shift lever, the arcuate portions of said heart-shaped cut-away portion having radii equal to the distance between the center of said pin and the pivot axis of said control lever plus the radius of said pin.

2,277,199
HARDNESS TESTING MACHINE
Samuel Baxendale, Dearborn, Mich., assignor to Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan
Application September 3, 1940, Serial No. 355,250
4 Claims. (Cl. 265—12)



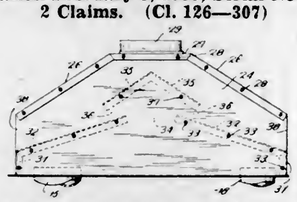
1. In a hardness testing machine, the combination with a frame, of a work supporting member and a penetrator member mounted on said frame for relative movement towards and from each other, one of said members being stationary with respect to said frame and the other movable, said movable member including a plunger, a sleeve surrounding and having a shouldered engagement with said plunger, said sleeve being slidably mounted in a bearing on said frame, an indicator mounted on said sleeve to be carried thereby, an operator for said indicator engaging said plunger, reciprocatory means for raising said plunger together with said sleeve and indicator to separate the penetrator from the work, said reciprocatory means permitting the descent of the plunger sleeve and indicator under gravity to contact the penetrator with the work and apply a minor load thereto, means operative after the application of the minor load for locking said sleeve in its bearing to hold it in rigid relation to said frame, reciprocating means for applying a major load to the penetrator, and timed means controlling the movement of said reciprocating means and said locking means whereby the major load is applied to the plunger subsequent to the application thereto of the minor load.

2,277,200
SPINDLE
Herbert G. Beede and Frederic N. Beede, Pawtucket, R. I.
Application August 25, 1939, Serial No. 291,970
19 Claims. (Cl. 308—228)



1. A spindle, comprising, in combination, a bolster case, a spindle blade extending substantially vertically and substantially centrally of said bolster case, a plurality of bolster means contained in nested closely spaced relationship within said bolster case and adapted to be relatively movable laterally one within the other relative to said bolster case, spindle blade and to each other on rotation of said spindle blade in use, all of said bolster means extending upwardly a substantial distance within said bolster case from substantially the lower end thereof and one of said bolster means extending towards the top of said bolster case in closely spaced relationship thereto throughout the height of such bolster means and provided with an upper bearing near the upper end thereof to take up the radial thrust of said spindle blade and a bearing fixed in the lower end of the innermost bolster means having a vertical hole substantially centrally thereof for loosely containing the lower end of said blade, said bolster means having passage means from said lower bearing hole for the radial circulation of lubricant radially outwardly therethrough to be urged upwardly at a modulated speed between said bolster means and said outermost bolster means and bolster case on rotation of the spindle blade to provide therein continuous cushioning bodies of lubricant for dampening different sets of vibrations and a continuous circulation of lubricant upwardly between said bolster means and bolster case to be discharged radially inwardly over the upper end of said upwardly extending bolster means and downwardly over said upper bearing and within said lower bearing hole for successive continuous cycles of recirculation.

2,277,201
COMBINED MANIFOLD AND DRAFT DIVERTER
Verland W. Belt, East Cleveland, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application February 8, 1939, Serial No. 255,271
2 Claims. (Cl. 126—307)



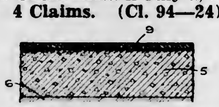
1. In apparatus of the class described, a hood having spaced openings at the bottom for the reception of a plurality of draft outlets, said hood comprising manifolding means for directing exhaust gases from all of said outlets to a central opening within the hood, said hood having openings to the atmosphere exteriorly of said manifolding means, baffle means within the hood above the said central opening for directing down draft away from said central opening, and a flue connection at the top of the hood above said baffle means.

2,277,202
PROCESS AND AUXILIARY FOR IMPROVING TEXTILE FABRICS
Karl Brodersen and Mathias Quaedvlieg, Dessau in Anhalt, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 16, 1938, Serial No. 240,852. In Germany November 29, 1937
11 Claims. (Cl. 8—142.5)

1. The process for improving uncolored textile fabrics which comprises treating them with a complex compound of a water-soluble copper salt and a guanide containing an alkyl radical of at least 10 carbon atoms, said complex compound being obtained by reacting said copper salt and said guanide in molecular proportions, with neither constituent present in excess so that the resulting reaction mixture contains no free ions of copper or of said guanide.

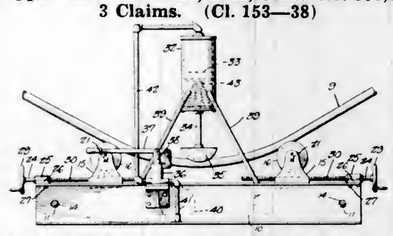
10. Improving agents for textile fabrics containing a complex compound of a water-soluble copper salt and a guanide containing an alkyl radical of at least 10 carbon atoms, said complex compound being obtained by reacting said copper salt and said guanide in molecular proportions, with neither constituent present in excess so that the resulting reaction mixture contains no free ions of copper or of said guanide.

2,277,203
METHOD OF CONSTRUCTING CONCRETE FLOORING AND LIKE SURFACES
Louise Gertrude Boult, Olton, Birmingham, England
Application December 2, 1938, Serial No. 243,661
In Great Britain July 1, 1938
4 Claims. (Cl. 94—24)



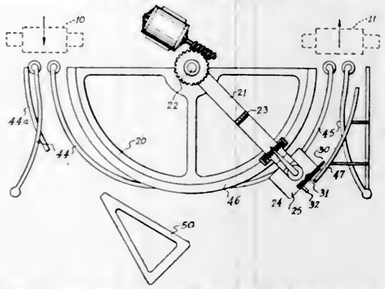
1. A method of constructing concrete floorings and like surfaces involving the steps of constructing a foundation layer, applying to said layer prior to the completion of the drying thereof a liquid hardening agent comprising three parts water and one part commercial liquid hardener and a dry mixture of aggregate in the proportion of from six to nine pounds by weight per yard super and dry cement in the proportion of from four to six pounds by weight per yard super, said dry mixture being forced into the surface of the foundation layer to form a monolithic structure, the liquid hardener being relied on to hydrate and to fix said materials to form a topping layer and treating the finished surface of the topping layer with a liquid hardening agent.

2,277,204
CONDUIT BENDER
Jack A. Byler, Springhill, La.
Application March 14, 1941, Serial No. 383,426
3 Claims. (Cl. 153—38)



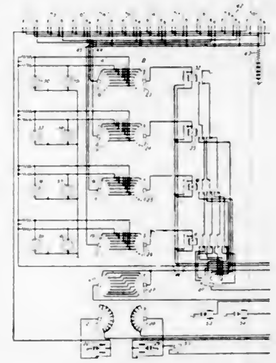
1. A conduit bender comprising a base including horizontal I-beams arranged in spaced parallel relation, a vertically disposed hydraulic cylinder, downwardly diverging rods extending from the cylinder to the upper flanges of the I-beams securing the cylinder to the I-beams above and intermediate the ends of the I-beams, supports mounted upon the I-beams for adjustment longitudinally of the I-beams toward or away from the center of the I-beams, concave rollers carried by said supports, said supports being provided with guide grooves receiving the inner edges of the upper flanges of the I-beams, means carried by the I-beams and engaging the supports for adjusting the supports, a piston in the cylinder having a piston rod terminating in a shoe below the cylinder for engaging a conduit supported upon the rollers, and means for supplying a fluid pressure medium to the cylinder.

2,277,205
SYSTEM FOR HANDLING AND PROCESSING STEEL
De Witt E. Carpenter, Detroit, Mich., assignor to E. V. Blum
Application October 25, 1939, Serial No. 301,189
2 Claims. (Cl. 80—52)



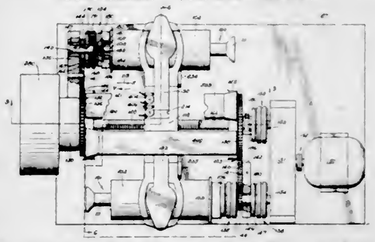
1. For use in the rolling and shaping of bar stock, wherein there are employed two substantially parallel sets of shaping rolls, with the finish end of the first set being adjacent the starting end of the second set, a machine for transferring bar stock from one set of shaping rolls to the other, and for causing the leading end of the bar stock to move through an arc of about 180°, and for whipping the bar stock as its leading end so moves, comprising a traveler arranged to move in a feeding stroke from the starting end of said arc to the finishing end and to return in a return stroke, means for so moving the traveler, a bar gripping clamp carried by said traveler, with the clamp being so arranged with respect to the traveler that the clamp can move relatively of the traveler, means for preventing relative movement between the clamp and traveler, means operable during the last part of the feeding stroke for inhibiting the action of the last mentioned means and thus permitting relative movement of the clamp and traveler at that time.

2,277,206
KEY SENDER
Orfeo Cesareo, Washington Township, Bergen County, N. J., and Robert O. Rippere, Massapequa, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1940, Serial No. 341,812
5 Claims. (Cl. 179—90)



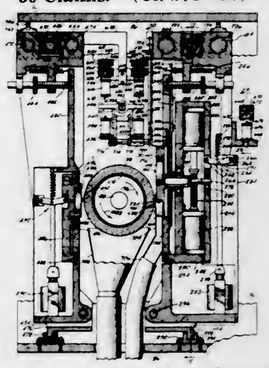
5. In a communication system, a keyboard sender comprising a timed signal transmitter for sending switch setting signals at an established rate, a single set of manually operated designation keys responsive at any rate of operation of which an operator is capable, a plurality of sets of two element cold cathode tubes for recording designations in code responsive to said keys, each said tube being included in a circuit having one branch leading to said keys for firing said tube and another branch leading to a source of sustaining potential for maintaining said tube in operation after being fired, said first branches of said tube circuits leading also to detecting means, said detecting means and means operated thereby for controlling said timed signal transmitter, and overtake means for further controlling said timed signal transmitter when said keys are operated at a slower rate than said signal transmitter.

2,277,207
DICTATING MACHINE
Ray M. Chenoweth, Los Angeles, and Emmett M. Irwin and Walter P. Huntley, Pasadena, Calif., assignors to C-W-B Development Co., Los Angeles, Calif., a corporation of California
Application April 22, 1935, Serial No. 17,666
50 Claims. (Cl. 179—100.4)



35. In a dictating machine, the combination of: a recording medium; a recording means operable to transmit to said recording medium material for record; means for mounting said recording means for movement relative to said recording medium between a recording and a non-recording position; drive means for advancing said recording means and said recording medium relative to each other to record said material; means operated by said drive means and in proportion to said advancing movement to define the point of farthest advance of said recording means; a pair of electrical contacts cooperating with said point defining means and said recording means and engageable in response to advancing movement of said recording means to a position coincident with the point defined by said point defining means; motor driven shift means normally actuated by said electrical contacts when said recording means arrives at a position coincident with the point defined by said point defining means for normally shifting said recording means to said recording position; and control means operable to render said electrical contacts ineffective to operate said shift means, to allow said recording means to advance beyond said point without recording.

2,277,208
DICTATING MACHINE
Ray M. Chenoweth, Los Angeles, and Emmett M. Irwin and Walter P. Huntley, Pasadena, Calif., assignors to C-W-B Development Co., Los Angeles, Calif., a corporation of California
Application December 7, 1935, Serial No. 53,396
39 Claims. (Cl. 274—17)



17. In a dictating machine, the combination

of: a recording medium; a recording means operable to transmit to said recording medium material for record; shift means for moving said recording means relative to said recording medium between a recording and a non-recording position; drive means for advancing said recording means and said recording medium relative to each other to record said material, and for retracting; means operated by said drive means and in proportion to said advancing movement to define the point of farthest advance of said recording means; indicating means coupled to said drive means for normally indicating the location of said recording means; means for moving said indicating means at will to a position displaced from said indicating position; control means cooperating with said drive means and responsive to movement of said indicating means to a displaced position in advance of said point defined by said point defining means for moving said recording means toward correspondence with the then position of said indicating means; and means cooperating with said shift means and with said drive means and operatively responsive to arrival of said recording means at a position coincident with the point defined by said point defining means for stopping said drive means and for actuating said shift means to shift said recording means to said recording position.

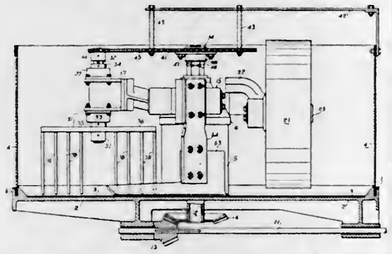
2,277,209

MULLER-AGITATOR

Alfred C. Christensen and Barney Castor, Chicago, Ill., assignors to Herbert S. Simpson, Chicago, Ill.

Application June 22, 1939, Serial No. 280,604

2 Claims. (Cl. 83—45)



1. A muller-agitator comprising a muller pan, a cross-head in said pan, means for rotating said cross-head in said pan about its central axis which substantially coincides with the central axis of said pan, a muller wheel adapted to rotate about its own horizontal axis and revolved by said cross-head in an orbital path about said central axis, said muller wheel being carried at one end of said cross-head, an agitator assembly carried by the other end of said cross-head having its axis of rotation intermediate the side of the pan and the center thereof and revolved thereby in an orbital path which extends on both sides of said muller wheel, said agitator assembly comprising a vertical shaft journaled in said cross head, a horizontal member fixedly attached at approximately its center to said shaft, and a plurality of rectilinearly aligned spaced mixing blades fixedly carried by said horizontal member and depending downwardly therefrom towards said muller pan, there being an equal number of said blades on each side of said vertical shaft, and means for positively rotating said vertical shaft and thereby said mixing assembly as said mixing assembly is revolved by said cross-head, to produce an intensive rotary mixing action within an orbital path in advance of said mulling wheel and of greater width than said wheel.

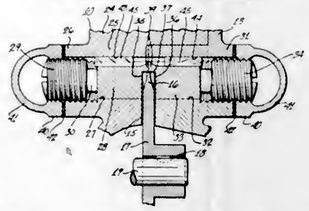
2,277,210

PERIPHERAL PUMP

Robert V. Cook, Chicago, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application February 26, 1940, Serial No. 320,734

10 Claims. (Cl. 103—96)



1. In a fluid pump of the general character described, including a casing providing an annular fluid channel and adjacent inlet and discharge passages in communication therewith, a pump rotor of peripheral fluid impelling type, operable in said channel, and fluid sealing means in the zone of said channel between said passages, said means comprising laterally adjustable cooperating elements carried by the casing and closely embracing the periphery of the rotor in said channel zone.

2,277,211

METHOD OF PRODUCING LOW CARBON CHROMIUM-CONTAINING IRON ALLOYS

Hugh S. Cooper, New York, N. Y.

No Drawing. Application October 11, 1940, Serial No. 360,748

3 Claims. (Cl. 75—51)

1. The method of decarburizing a carbon-containing iron-chromium alloy which comprises subdividing the alloy to pass about 100 mesh, mixing therewith chromium oxide of about the same particle size in an amount in slight excess of the theoretical amount to combine with all of the carbon content of the said alloy, adding a flux comprised at least in part of an alkaline earth metal fluoride therewith in an amount approximating one-third of the amount of chromium oxide added, compacting the mixture into briquets and then heating the briquets on a hearth enclosed from the atmosphere to fusion and to temperatures within the range 1600–2200° C. for a time interval at least sufficient to complete the reaction of the carbon content of the alloy with the chromium oxide maintaining during said reaction time interval a non-oxidizing and reducing atmosphere over the said fused bath at atmospheric pressures.

2,277,212

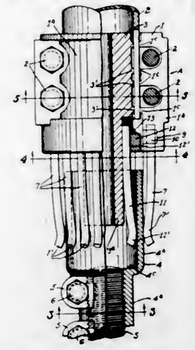
JOINT FOR ELECTRICAL CONDUCTORS

Firmin M. Cunningham, Maplewood, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application June 5, 1940, Serial No. 338,879

6 Claims. (Cl. 173—324)

3. A joint for mechanically engaging and electrically connecting an electrical conductor, comprising in combination a tubular electrical conductor, a support, a contractile clamp mounted on said support, a member having a portion engaged within said clamp for securement to said support by contractile clamping action of said clamp, a plurality of elongated resilient contact elements supported by said clamp and extended beyond an end thereof and arranged in contact



with the outer face of said tubular electrical conductor, and a plurality of elongated resilient contact elements supported by said member and extended from an end thereof and arranged in contact with the inner face of said tubular electrical conductor.

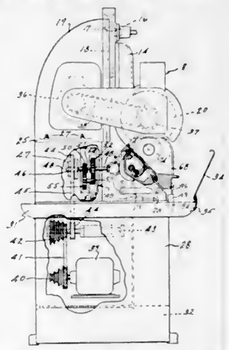
2,277,213

THREAD GRINDING MACHINE

William F. Dalzen, Grosse Pointe, Mich.

Application April 19, 1941, Serial No. 389,263

27 Claims. (Cl. 51—95)



1. A thread grinding machine comprised of a base, a slide longitudinally adjustable thereon, an angularly adjustable column upon said slide, a rotatable grinding wheel adjustably supported upon said column, a longitudinally reciprocable carriage supported upon said base, a work supporting and rotating spindle upon said carriage with an operating gear joined to said spindle, a reversible power shaft having a gear thereon, a rotatable lead screw in threaded engagement with said carriage, and having a gear joined thereto intermeshing with said power shaft gear and said spindle operating gear.

2,277,214

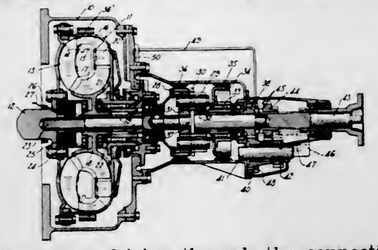
TRANSMISSION

Adiel Y. Dodge, Rockford, Ill.

Application April 27, 1940, Serial No. 331,911

8 Claims. (Cl. 74—189.5)

1. A transmission for connecting a driving shaft to a driven shaft comprising a differential gear chain having one element connected to the driven shaft, an infinitely variable speed torque-multiplying device including a driving member connected to the driving shaft, a driven member connected to another element of the gear set and a reaction member forming a fulcrum for torque multiplication, said gear chain including an element held against rotation to provide a fulcrum



for low range driving through the connections described above, and controllable clutch means to connect a third element of the gear chain to the driving shaft whereby by controlling said clutch means, the drives may be changed from the single path drive including said device and said gear set to a two path drive including said clutch means in one path and said device in the other to provide two-path higher range driving connections.

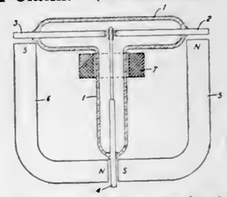
2,277,215

RELAY CONTACT DEVICE

Walter B. Ellwood, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 27, 1940, Serial No. 342,628

1 Claim. (Cl. 200—93)



A magnetically operated polarized relay contact structure comprising a T-shaped vessel having two stationary magnetic elements and one movable magnetic element forming parts of both the magnetic circuit and the electrical circuit thereof sealed within said vessel, immersed in an inert gas and influenced by permanent magnetic and electromagnetic fields external to said vessel, said movable magnetic element being a flexible reed secured at one end by being sealed through the vertical stem of said vessel, said reed being sufficiently stiff to normally remain out of contact with either of said stationary magnetic elements, said stationary magnetic elements being each sealed through one of the horizontal arms of said vessel, permanent magnets having poles contiguous to the external ends of said stationary elements to polarize one of said elements north and the other south and a coil encircling the said vertical stem of said vessel.

2,277,216

ELECTRICAL OUTLET

Louis Epstein, New York, N. Y.

Application December 6, 1939, Serial No. 307,723

1 Claim. (Cl. 178—44)

As an article of manufacture an electrical unit

of the character described comprising a housing having a top wall and being open at its bottom, a closure plate for said open bottom, a conventional fuse, a threaded tubular shell in said housing, said top wall having an opening in register with said shell through which said fuse may be projected for threaded engagement with said shell, a pair of electrical terminals in said housing, said top wall having a pair of slots in respective alignment with said terminals through which the prongs of a plug may be projected for elec-



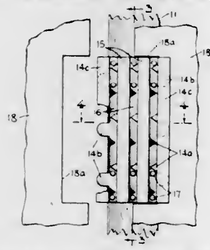
trical contact with said terminals, an electrical conductor in said housing connecting one of said terminals with said shell, a second electrical conductor secured to said housing and extending to a position adjacent said shell contacting with said fuse, a cable having one wire connected to the other of said terminals and another wire connected to said second conductor, a ground terminal on said housing, and a condenser in said housing connected across said one of said terminals and said terminal for ground connection.

2,277,217

BUILDING CONSTRUCTION

Herbert Alfred Faber, Cincinnati, Ohio

Application March 2, 1939, Serial No. 259,315
1 Claim. (Cl. 20—4)



In wall construction, a series of studs aligned side-by-side in mutually spaced relationship forming studding, the studs of said series being notched forming a series of notches extending across a face of said studding, a substantially continuous service-providing means within said series of notches and extending from notch to notch thereof across said studding, tie plates extending across the respective notches, bridging the same, and being secured to the respective studs at opposite sides of the said respective notches, said tie plates reinforcing said studs and being of plaster-receiving and plaster-retaining formation, plaster-receiving and plaster-retaining wall facing material secured to the said face of the studding and extending between the studs thereof, said wall facing material being indentured and fitting snugly about said tie plates, and plaster spread over said facing material and said tie plates, concealing the same.

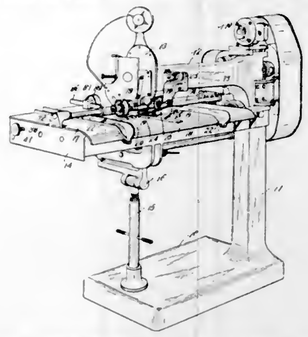
2,277,218

SEMIAUTOMATIC WIRE STITCHER

Paul E. Flowers, Mount Gilead, and Elmo P. Crim, Dayton, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application March 30, 1940, Serial No. 326,934
30 Claims. (Cl. 1—11)

1. In a semi-automatic wire stitcher, a stitcher head, two elongated feed rollers arranged on opposite sides of the stitch line adapted to engage the under surfaces of the work, means for driving said rollers, a pair of drop rollers mounted above



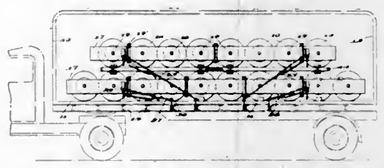
said feed rollers adapted to engage the upper surfaces of the work, and means permitting the adjustment of said drop rollers toward and away from said stitch line.

2,277,219

LOADING DEVICE

Joel B. Fulton, High Point, N. C., assignor to Atlantic States Motor Lines, Inc., High Point, N. C.

Application June 15, 1940, Serial No. 340,801
4 Claims. (Cl. 214—10.5)



1. Apparatus for stacking and loading spool-shaped articles comprising in combination, a floor for receiving a plurality of spools in a row, side clamp members for securing the spools together in rigid and spaced relation, means for anchoring the spool clamping members to the floor including a flexible member, a bracket member on each spool clamping member having means for detachably gripping different linear portions of the flexible member, and means for tensioning the flexible member to rigidly anchor the spool row unit to the floor.

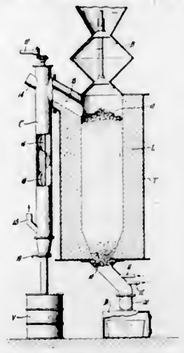
2,277,220

ORE TREATMENT

Andrew J. Gailey, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

Application December 28, 1939, Serial No. 311,369
5 Claims. (Cl. 75—1)

1. Method of removing iron from a material containing oxides of both chromium and iron which comprises subjecting such material, at a temperature above about 600° C., but below the temperature at which substantial amounts of chromium chlorides are formed, to the action of a gaseous mixture consisting essentially of carbon monoxide, a chlorinating agent selected from the group consisting of chlorine, sulfur chloride, and mixtures thereof, and a diluent gas substantially free from hydrogen, whereby iron oxide is converted to iron chloride but no substantial proportion of chromium oxide is attacked; and



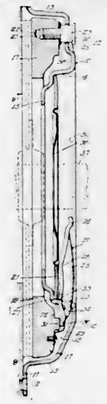
volatilizing and removing at least the major portion of the iron chloride so formed.

2,277,221

FRICTION CLUTCH

David E. Gamble, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application June 3, 1939, Serial No. 277,239
14 Claims. (Cl. 192—68)



1. In a friction clutch, a driven plate, pressure plate, and annular cover, coaxially arranged one behind the other in the order named, said cover having a rim portion and a reentrant portion, the latter providing a forwardly facing fulcrum member, a washer type spring, having one periphery engaging a rear surface of said reentrant portion and its other periphery free to move forwardly in the flexing of the spring, and a release lever having its outer end in pressure transmitting association with said pressure plate and engaging said fulcrum member and said free periphery of the spring at points successively spaced from its outer end in the order named, whereby said lever is adapted, when its inner end is moved forwardly, to be maintained by said spring in engagement with said fulcrum and to pivot around said fulcrum, with its outer end moving rearwardly to release the clutch, and, when its inner end is allowed to move rearwardly, to pivot about said fulcrum member and to thereby transfer the spring pressure to the pressure plate for packing the clutch.

2,277,222

GAP LINK

George W. Goldner, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application October 16, 1939, Serial No. 299,625
6 Claims. (Cl. 200—118)



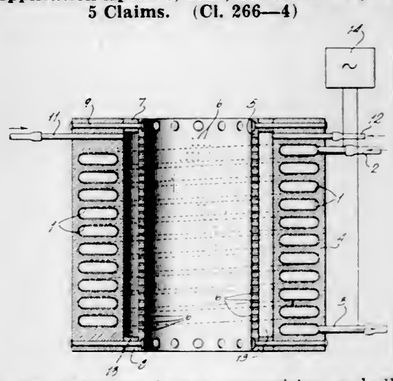
1. A gap link for an electrical cutout associated with an electrical circuit, which comprises a unitary link structure provided with spaced elements providing a gap, means supported by one of said spaced elements for movement across the gap and into contact with the other of said spaced elements to close said gap for passage of current thereover in response to a change in voltage in the electrical circuit with which the cutout is associated, meltable means for normally maintaining said gap-closing means in a position where the gap is not closed thereby, and means for moving said gap-closing means to the gap-closing position on melting of said meltable means as a result of heat produced by an arc formed across the gap, said meltable means being adapted also to weld said movable means to the spaced element into contact with which it moves to provide good electrical connection between said parts.

2,277,223

ELECTRIC INDUCTION FURNACE

Edward S. Goodridge, Port Washington, N. Y., assignor to Induction Heating Corporation, New York, N. Y., a corporation of New York

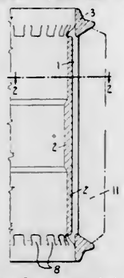
Application April 26, 1941, Serial No. 390,470
5 Claims. (Cl. 266—4)



1. An induction heater comprising a hollow convoluted field coil, a body of refractory in-

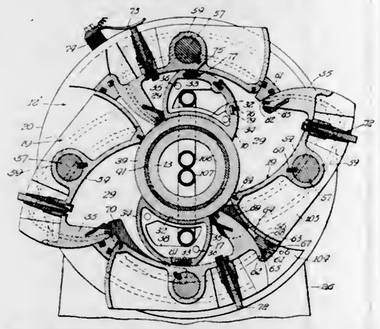
sulating material enveloping said coil, a perforated insulating baffle mounted in spaced relation on said body to define a chamber to receive a quenching medium and also serving as a heat screen between the heated charge and said coil, and a connection for supplying said medium to said chamber.

2,277,224
SPINNING SPOOL FOR WINDING UP FRESH SPUN ARTIFICIAL SILK
Theodor Grauer, Horn, Thurgau, Switzerland
Application September 3, 1938, Serial No. 228,428
In Switzerland September 9, 1937
5 Claims. (Cl. 68—198)



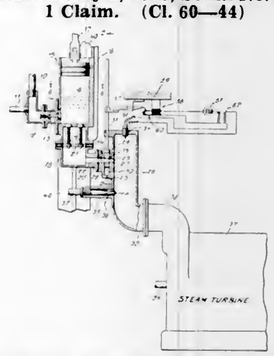
1. A spinning spool comprising an elongated central hollow body, a flange at each end of said body, spacedly arranged parallel bars extending substantially from one to the other of said flanges, and a mantle extending along at least a part of said central body and constituting the base of troughs formed by said bars and the outer face of said mantle, the inner face of said mantle forming the inside surface of said hollow body, said flanges including channel means and passages extending from said channel means towards said troughs and being in registry therewith.

2,277,225
INTERNAL COMBUSTION ENGINE
Edward H. Green, Chicago, Ill.
Application July 21, 1941, Serial No. 403,300
16 Claims. (Cl. 123—8)



1. An internal combustion engine comprising a central member, a pair of heads at opposite sides of the member, a flywheel at one side of the heads adapted to rotate in one direction relatively to the central member and heads, a plurality of centrally pivoted hammer-shaped elements carried by the flywheel in an annular series around said central member and heads and having inwardly extending abutments at their leading ends and also combustion chambers between them and said central member and heads, means for causing the elements during rotation or travel thereof between the heads to rock in such direction as to swing the abutments outwards for head accommodating purposes and also causing the elements during rotation past the heads to rock in the opposite direction around said heads in order to decrease the size of the combustion chambers, means for introducing fluid into the combustion chambers as the elements rotate past and beyond one of the heads, and means for exhausting the said chambers as elements rotate toward one of the heads.

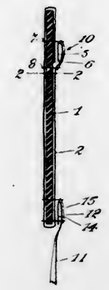
2,277,226
ENGINE
Archie Hansen, Prophetstown, Ill.
Application July 1, 1940, Serial No. 343,358
1 Claim. (Cl. 60—44)



In a machine comprising a vertical reciprocating compressor adapted to receive and compress a mixture of fuel vapor and air and an explosion chamber adapted to receive said mixture, a housing enclosing an intermediate chamber and secured to the outlet of the compressor, a union between said housing and the wall of said explosion chamber coupling the same together, said union having a horizontal opening extending therethrough and providing communication between said housing and said explosion chamber, said union having a vertical opening extending downward through the top thereof into the lower portion thereof and through said horizontal opening, a slide valve registering in said vertical opening and having a horizontal opening therethrough adapted to be intermittently aligned with said union opening, outlet valves in said compressor having means for opening during the compression stroke thereof and for closing during the suction stroke, means for actuating said compressor, means actuated by said first means for reciprocating said slide valve from a position of alignment of said slide valve opening with said union opening during the suction stroke to a position in which said slide valve opening is out of alignment with said union opening to obstruct the passage therethrough.

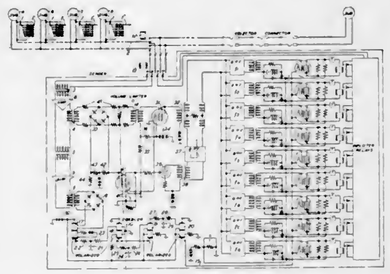
2,277,227
GARMENT BAND
Harry Hardie, Baltimore, Md., assignor to The Faultless Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application August 8, 1941, Serial No. 405,905
1 Claim. (Cl. 2—237)

In a garment band, the combination of a strip of sheet rubber, thin stretchable textile material completely and snugly enclosing said strip of sheet rubber and forming a sheath therefor, the edges of said textile material being overlapped and folded in overlapped relation on the inside face of the band, and sewed through with a stretchable cover stitch to form a bead, said bead being located adjacent the upper inside edge of said band and parallel thereto, the garment having



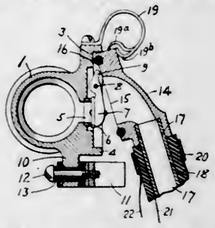
the edge thereof folded over and sewed to the lower edge of said band to provide a second bead extending circumferentially on the inside face of said band and located substantially at the lower edge thereof, whereby a plurality of beads extending circumferentially of said band and on the inside thereof are adapted to render said band more efficient in supporting a garment on the body of a wearer.

2,277,228
TELEPHONE SYSTEM
George Hecht, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 29, 1940, Serial No. 367,691
3 Claims. (Cl. 179—17)



1. In a telephone system, a line, a resistance network connected across said line, a plurality of stations for said line adapted to generate alternating impulse signals characteristic of a wanted number and the identity of the station, a plurality of channel detectors connected to said line, each of said channel detectors being adapted for individual response to each of the frequencies, respectively, of which said impulse signals are composed, and means responsive to the frequency in the signal which designates the station for causing signal energy to be drawn through said resistance network whereby the quantity of signal energy admitted into said channel detectors is reduced by the amount drawn through said resistance network.

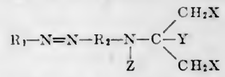
2,277,229
CONNECTOR FOR MILKING MACHINES
John L. Hulbert, Poughkeepsie, N. Y., assignor to the De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application October 30, 1939, Serial No. 302,005
12 Claims. (Cl. 173—326)



1. A device for connecting and disconnecting the vacuum pipe line of a milking machine installation with the portable hose of a milking machine unit, comprising means providing a port opening from the interior of the pipe line to the atmosphere, a valve adapted by the pressure of the atmosphere to be normally seated on and held in position to close said port, a terminal connector carrying said hose having a passage communicating with said hose and adapted to be placed in position to connect said hose through said passage with said port and seal said port and passage from the atmosphere, and means, operable in the placement of the connector, to seal said valve against atmospheric pressure and at the same time unseat it and thereby pneumatically connect the hose with the pipe line.

2,277,230
AZO DYESTUFFS
Ernst Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,153. In Germany November 4, 1938
4 Claims. (Cl. 260—205)

1. Azodyestuff of the general formula:

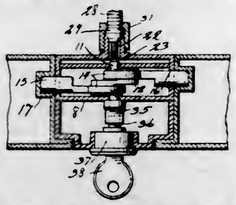


in which formula R_1 and R_2 stand for radicles of the benzene series not containing a water solubilizing group, Z for a member of the group consisting of hydrogen. alkyl, hydroxyalkyl and cyanalkyl, X for a member of the group consisting of hydrogen and methyl, Y for a member of the group consisting of CN, $CONH_2$ and $COOR_3$, R_3 standing for a member of the group consisting of alkyl and hydroxyalkyl, which dyestuffs dye cellulose esters and ethers, particularly acetate silk mostly bright shades of a remarkable fastness, particularly to light.

2,277,231
LOCK MECHANISM
Ilion Ilieff, Tarrytown, N. Y.
Application January 4, 1941, Serial No. 373,176
1 Claim. (Cl. 70—264)

In a lock for a vehicle body having double doors at the respective sides of the vehicle and having oppositely disposed rectangular hollow post members arranged between the doors, the said post members having substantially rectangular aligned openings within their inner faces and side walls respectively, closure plates each hav-

ing an opening at the axial center thereof surrounded by an outstanding nipple being exteriorly threaded, substantially rectangular shaped brackets carried by the closure plates and adapted to be positioned within the openings of the side walls of the post members when the closure plates are in applied position, said brackets including side plates having guide openings therethrough and inner and outer plates having aligned bearing openings therethrough which register with the openings of the closure plates, oppositely disposed eccentrics supported by trunnions rotatably mounted within the aligned bearing openings of the brackets, the said eccentrics and trunnions having an angular opening therethrough, oppositely directed sliding bolts operatively connected with the eccentrics and having



their free ends extending through the guide openings of the brackets, angular shafts extending through the eccentrics and trunnions, the inner ends of the angular shafts terminating at points slightly beyond the inner faces of the inner plates of the brackets, a substantially straight flexible shaft whose terminals are adapted for clutching engagement with the inner ends of the angular shaft, a flexible conduit surrounding the flexible shaft and having its terminals provided with enlargements, interiorly threaded clamping nuts enclosing the enlargements of the conduit, and adapted to hold the said conduit in position against the outstanding nipples and means associated with one of the locking members for simultaneously turning the eccentrics to project or retract the bolts.

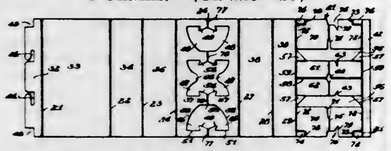
2,277,232

EGG BOX AND THE LIKE

William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York

Application November 23, 1938, Serial No. 242,015

3 Claims. (Cl. 229—29)



1. A cell type box formed from a single blank of material comprising a top section, a front wall section, a pair of bottom sections, a pair of longitudinal partition forming sections separated by a fold line, said longitudinal partition forming sections lying between the bottom sections and having cut-outs and longitudinally projecting locking portions extending into said cut-outs, a rear wall section, a crosswise partition forming section, and means in connection with said crosswise partition forming section, after the blank has been folded on the fold line between said longitudinal partition forming section and on the fold line between said rear wall and the adjacent bottom section, enabling said locking portions to be extended through parts of the crosswise partition forming section without folding or bending any additional portion of the longitudinal partition forming section, said means including longitudinally extending fold lines in said crosswise partition forming section and cut-out notches spaced transversely from said last-mentioned fold lines.

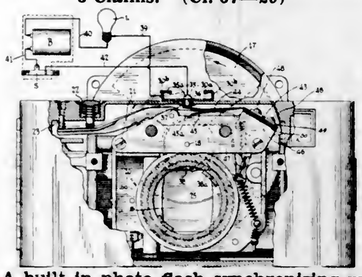
2,277,233

CAMERA

George Kende, New York, N. Y., and Philip J. Brownscombe, East Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware

Application January 6, 1939, Serial No. 249,568

3 Claims. (Cl. 67—29)



1. A built-in photo-flash synchronizing mechanism for use in a camera which includes a rotary shutter having an adjustable opening adapted to move past a film aperture in the camera, said mechanism comprising an electrical switch member having a circular segmental portion, means permanently and positively interconnecting said shutter and said switch member to rotate said member synchronously with said shutter, the leading edge of said segmental portion being disposed in fixed predetermined relationship relative to the leading edge of the adjustable opening in said shutter, a contact disposed in the path of travel of the circular periphery of said segmental portion to contact said periphery and close an energizing circuit for said photo-flash through said switch member and said contact, and means to lightly resiliently urge said contact towards said segmental portion in a direction normal to the circular periphery thereof.

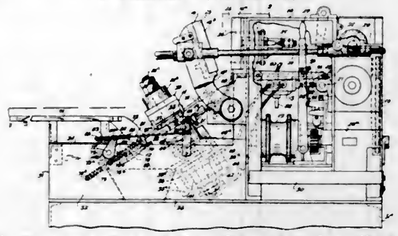
2,277,234

CASTING AND TRIMMING MACHINE

Fred R. Kerns, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application September 25, 1939, Serial No. 296,381

6 Claims. (Cl. 29—2)



6. In apparatus of the character described, a mold comprising relatively movable members providing a mold cavity lying in a substantially upright plane and adapted to be opened for the discharge of a casting therefrom by gravity, a trimming means below said mold comprising cooperating relatively reciprocable press members the lower of which has a working face adapted to receive a casting to be trimmed, means for actuating said trimming means, a curved chute extending from the mold cavity to the trimming means for transferring castings from the former to the latter, a rack providing a holder for trimmed castings, a swinging support having an article-receiving position adjacent the trimming means and adapted to receive a trimmed casting and to deliver the same onto said rack, said swinging support, said working face of the trimming means and the lower portion of said chute all lying substantially in a common plane extending downwardly and outwardly with respect to the plane of the mold cavity, a stop adapted to control the passage of castings from the delivery end of said chute to said trimming means and being movable into and out of an article-engaging position in the chute, and means for actuating said stop and said swinging support in timed relation to the actuation of said trimming means, said chute comprising bars spaced laterally to permit lead particles to drop therethrough and the article-receiving position of said swinging support being spaced from the trimming means to permit trimmings to drop therebetween.

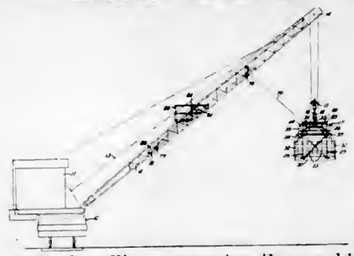
2,277,235

TIE HANDLING APPARATUS

Elwin H. Kidder, La Porte, Ind., assignor to American Creosoting Company, Inc., Louisville, Ky., a corporation of Delaware

Application July 27, 1940, Serial No. 347,954

11 Claims. (Cl. 212—42)



1. In tie handling apparatus the combination with a hoist mechanism including a hoist cable and a tie grab connected to said hoist cable for operation by said hoist mechanism, of a control station on said hoist mechanism, flexible members extending from said control station and connected to said tie grab and operable from said control station to orient said tie grab while the latter is suspended from said hoist cable and means for tensioning said flexible members in all relative positions of said hoist mechanism and said tie grab.

2,277,236

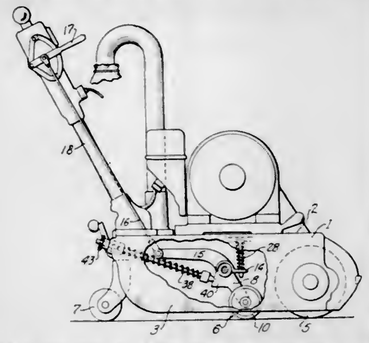
SURFACING MACHINE

Richard F. Kneisley and Otto M. St. John, Toledo, Ohio, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio

Application March 19, 1940, Serial No. 324,760

12 Claims. (Cl. 51—176)

1. In a drum type surfacing machine, a pressure adjusting truck having two relatively rockable transversely spaced supporting wheels, control means operable to positively raise and lower one of said wheels to vary the drum working pressure, and a yielding connection between said



wheels urging a downward movement of one wheel when the other positively operated wheel is lowered.

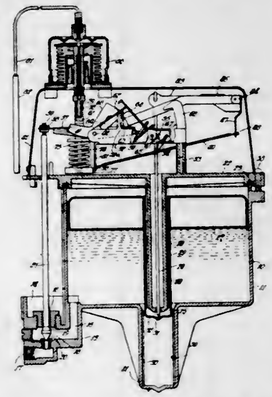
2,277,237

CONTROL MECHANISM FOR LIQUID FUEL BURNERS

John Lithgow and Leslie K. Jackson, Cleveland, Ohio, and Earnest J. Dillman, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

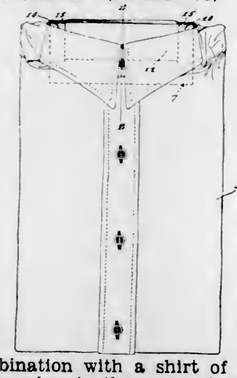
Application October 4, 1939, Serial No. 297,958

6 Claims. (Cl. 137—68)



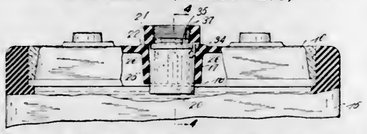
1. In a control mechanism for a liquid fuel burner, a casing having a relatively large metering chamber, a laterally extending member having an upper trough-like portion and a valve casing depending therefrom, said valve casing having one port opening into the trough-like portion, a second port opening into the lower portion of the metering chamber, and a third port communicating with a source of liquid fuel, a valve core operative in one position to connect the second and third ports to feed fuel into the chamber and in another position to connect the first and second ports to discharge fuel from the chamber into the trough-like portion, an outlet for said trough-like portion and means to limit the flow of fuel from said chamber into said trough-like portion in accordance with the flow from said trough-like portion through said outlet.

2,277,238
COLLAR HOLDER
Elizabeth S. Little, Milton, Fla.
Application July 15, 1940, Serial No. 345,615
4 Claims. (Cl. 223—83)



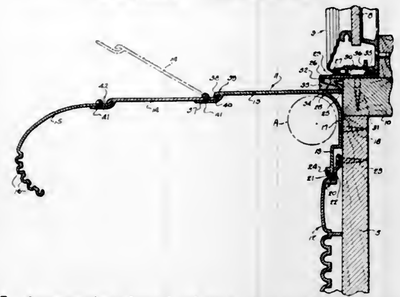
1. In combination with a shirt of the collar attached type wherein the rear yoke portion of said shirt is disposed in overlying relation with the rear face of the rear portion of the collar of said shirt to provide a fold section forming a pocket postjacent said collar and with both the collar and said fold section disposed in flatwise relation across the shirt, a body fashioned with oppositely disposed connected walls with one of said walls overlying said fold section and the other wall provided with means overlying said front face of the rear portion of the collar, and said last mentioned wall provided with means disposed within said pocket and coacting with said first mentioned means and the wall overlying said fold section to maintain said collar in connected relation with said fold section and in said flatwise relation.

2,277,239
BATTERY FILLING WELL
Henry W. Lormor, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 16, 1940, Serial No. 319,298
3 Claims. (Cl. 136—178)



1. In an electric storage battery, a cell, a cell cover, a filling well comprising a fixed sleeve element extending downwardly from the cover and a threaded tube element rotatable in said sleeve element, said tube element projecting upwardly beyond said sleeve and beyond said cell cover, one of said elements extending downwardly to the desired liquid level, means carried by the sleeve and tube for limiting their relative angular movement, a threaded vent plug connected with the upper end of said tube, said sleeve having an opening therethrough below the cover and said tube having a port therethrough above the liquid level adapted to register with said opening when the tube is turned in one direction to the limit of its motion, and to be thrown out of register when the said tube is turned in the opposite direction to the limit of its motion, whereby when the vent plug is turned in the latter direction the tube is moved to the out of register position and the plug is unthreaded from the tube and whereby when the plug is replaced and screwed down the tube is turned to the registering position, and whereby the projecting portion of the tube may be grasped by the operator and turned in the event that the turning of the plug fails to move the tube.

2,277,240
AWNING HOOD
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 1, 1938, Serial No. 222,311
11 Claims. (Cl. 156—15)



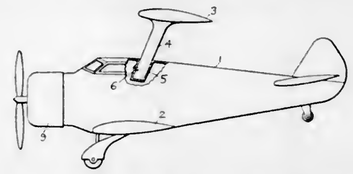
5. An awning hood of the character described, comprising a plurality of longitudinally extending sections arranged side by side and having portions overlapping and interengaging one another, and means for rigidly securing said overlapping portions together, the inner section being provided at its rear end with a vertical leg and a forwardly directed wedge portion providing a horizontally disposed channel for receiving means adapting said hood to different arrangements, said wedge portion having a flat upper surface and a beveled lower surface.

2,277,241
PORTABLE MIRROR DEVICE
George C. Lynch, Los Angeles, Calif., assignor, by mesne assignments, to George C. Lynch and Josephine A. Lynch, as joint tenants, with right of survivorship
Application February 28, 1938, Serial No. 193,098
6 Claims. (Cl. 88—101)



2. A portable mirror device which comprises an elongated member adapted to engage the front of the body of a wearer in a transverse position, a mirror support pivotally mounted on said elongated member for swinging movement about an axis generally longitudinal of said member, a pair of hangers pivotally supported by said elongated member for movement about individual spaced-apart axes substantially perpendicular to said axis, said hangers having portions curved toward each other in a plane substantially perpendicular to said spaced-apart axes and movable substantially in said plane for cooperatively passing around the neck of a wearer.

2,277,242
AIRPLANE
Vadim S. Makaroff, New York, N. Y.
Application January 26, 1940, Serial No. 315,651
1 Claim. (Cl. 244—43)



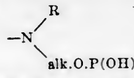
An airplane having a body with permanent wings, auxiliary wings, struts extending downward from the auxiliary wings at both sides of the body, the body having sockets for the struts, gear teeth on the struts, pinions in mesh with the gear teeth, a shaft mounting the pinions at its ends, means to rotatively support the shaft in the body, and means to rotate the shaft for simultaneously ejecting both struts from the sockets.

2,277,243
AZO DYESTUFFS
Gottfried Manz, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application November 16, 1937, Serial No. 174,829. In Germany November 21, 1936
5 Claims. (Cl. 260—205)

1. Watersoluble azo dyestuffs of the general formula:

A—N=N—B

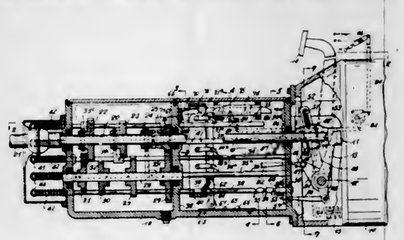
wherein A and B stand for aromatic radicals selected from the group consisting of radicals of the benzene and naphthalene series of which B bears the group



in which R stands for a radical selected from the group consisting of hydrogen and alkyl and alk means an alkylene radical, these dyestuffs being free from carboxylic acid and sulfonic acid groups and dyeing cellulose acetate artificial silk various shades of good fastness properties.

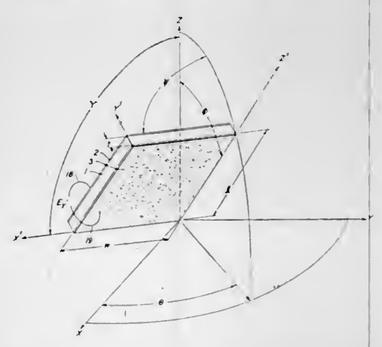
2,277,244
GEARSHIFT MECHANISM
James H. Marcum, Cleveland Heights, Ohio
Application June 14, 1939, Serial No. 279,085
12 Claims. (Cl. 192—3.5)

1. In combination with a transmission having a neutral condition and a plurality of forward speed ratios comprising transmission setting means individually movable in the same direction for each ratio, a clutch, a clutch pedal adapted to be moved forward by foot pressure and automatically returnable to normal position, and means associated with said pedal and actuated exclusively by the forward movement of the pedal for effecting a shift from one of said forward speed ratios to the next higher speed ratio and for simultaneously returning the transmission setting means of said first-named speed



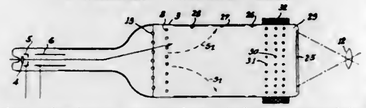
ratio to the position which it occupies when the transmission is in neutral condition.

2,277,245
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 112,685
17 Claims. (Cl. 171—327)



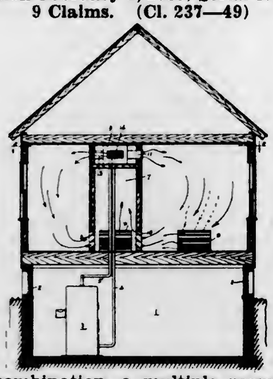
1. A quartz piezoelectric element having a substantially rectangular major plane, and means for applying an electric field thereto in the direction of its thickness axis or smallest dimension perpendicular to said major plane for vibrating said element in a shear mode of motion at a frequency which is determined substantially by said thickness axis dimension, said thickness dimension being made of a value in accordance with the value of said frequency, the width or X′ axis of said major plane being inclined at an acute angle with respect to the Z axis, the length or Z′ axis of said major plane being inclined at an acute angle with respect to said Z axis, and the plane formed by said Z and Z′ axes being inclined at a selected angle with respect to an X axis as measured in the plane of said X axis and a Y axis, said acute angles and said selected angle being a set of angles of values substantially as given by the solid line curves of Figs. 4 to 15 at a point thereon corresponding to an effective or relatively large value near to a maximum value of the shear piezoelectric driving constant as given by the broken line curves of said Figs. 4 to 15, to obtain a relatively small temperature coefficient of frequency and a relatively large electromechanical coupling when vibrated in said shear mode of motion.

2,277,246
ELECTRON DISCHARGE DEVICE
James Dwyer McGee, Ealing, London, and Hans Gerhard Lubszynski, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 4, 1938, Serial No. 238,794
In Great Britain November 4, 1937
3 Claims. (Cl. 250—153)



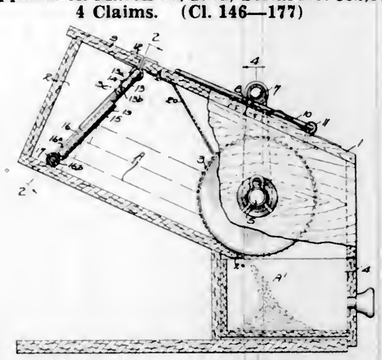
1. An electron scanning tube comprising a photoelectric means adapted to release a current image in response to the impingement of an optical image thereon, a double sided mosaic member having interstices therein, means interposed between said photoelectric means and said mosaic for multiplying the value of substantially each element of the current image, means for moving said multiplied image onto and in impingement with said mosaic member, means for developing a scanning beam for impingement on the side of said mosaic remote from said photoelectric means, means for directing said scanning beam onto said mosaic member whereby at least a portion thereof is modulated by the charge on said mosaic member and whereby said modulated beam passes through the interstices of said mosaic, a first collector electrode interposed between said electron scanning beam developing means and said mosaic member, and a second collector electrode interposed between said electron image multiplying means and said mosaic member and positioned so that the passage of the electron image from the photoelectric means to the mosaic member is substantially without impedance thereby.

2,277,247
APPARATUS FOR MULTIPLE ROOM HEATING AND AIR CONDITIONING
Clark T. Morse, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application February 1, 1939, Serial No. 254,073
9 Claims. (Cl. 237—49)



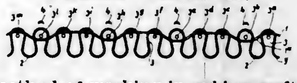
5. In combination, a multiple room house, a closet in one of said rooms adjacent all of the rooms, said closet having an inlet air opening in the bottom thereof, means partitioning said closet to form an air discharge plenum chamber in the top portion thereof having means for the passage of air therethrough, a heating and ventilating unit mounted at the top of said closet and discharging air into said plenum chamber, said plenum chamber having discharge openings therefrom to each of said rooms, said unit comprising a heat exchange coil and a fan within said coil positioned over the air passage means in said partitioning means, and means for supporting a fan driving motor in said air passage means in said partitioning means at the top of the closet in the path of the incoming air.

2,277,248
GRATER
John M. Nardi, Detroit, Mich.
Application March 10, 1941, Serial No. 382,535
4 Claims. (Cl. 146—177)



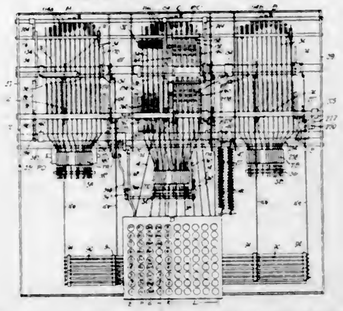
1. A grater comprising a receptacle to contain material to be grated, a rotary grating member extending across the receptacle and spaced from the base thereof to permit passage of grated material therebetween, a spring closed cover on said receptacle, a feeding member pivoted on the underside of said cover, said feeding member being adapted to force material to be grated towards said grating member, spring means urging said feeding member against said material, an extension member carried by the feeding member for sliding movement relative thereto towards and from said base, and means tending to retain said extension member against the base of said receptacle during the pivotal movement of the feeding member.

2,277,249
PRODUCTION OF SINGLE TOPS FOR STOCKINGS
Max Nebel, Chemnitz, Germany
Application August 12, 1938, Serial No. 224,548
In Germany December 4, 1937
4 Claims. (Cl. 66—83)



1. A method of working in rubber weft threads in knit fabric which comprises the steps of forming the initial course, placing the weft thread during laying operation thereof under the beards of predetermined repeating groups of bearded frame needles, slipping the weft thread over the beards of the interposed needles between said repeating groups to cause knocking over of the same, retaining the needle loops of the initial course and the hooked portions of the weft thread thereon on the needles until working of the next course, and pressing off and knocking over the loops of the initial course and the hooked portions of the weft thread during formation of the next course thereby tying the hooked portions of the weft thread between the initial and new courses when knit.

2,277,250
BOOKKEEPING MACHINE
Ernst Vilhelm Nyberg, Stockholm, Sweden, assignor, by mesne assignments, to Ekonomiregister Inc., New York, N. Y., a corporation of New York
Application November 30, 1937, Serial No. 177,377
In Sweden June 7, 1928
7 Claims. (Cl. 235—60)



1. In apparatus for maintaining an account of a plurality of related factors, the combination of a plurality of totalizers each adapted to be operated in an additive or a subtractive sense to register one of said factors, a plurality of mechanisms each operable to select at least two of said totalizers corresponding to factors affected by a transaction to be recorded and simultaneously to condition one of said selected totalizers for actuation in a desired sense and to condition the second selected totalizer for actuation in the same or alternatively in the opposite sense in accordance with the nature of the particular transaction, a manually operable control member individual to each of said selecting mechanisms, a key-board on which the number involved in said transaction may be set, and means for simultaneously registering the set number in each of the selected totalizers.

2,277,251
PACKING WASHER
Edson F. Palmer, Waterbury, Vt.
Application January 16, 1941, Serial No. 374,778
2 Claims. (Cl. 251—160)



1. A washer for connection with the end of a valve stem having a retaining screw engaging a threaded bore in the stem comprising a washer body having a central bore therethrough, a ferrule having a length approximately equal to the thickness of the washer fitted in the bore of the said washer, a longer ferrule disposed within the first mentioned ferrule and adapted to be fitted on the stem retaining screw, a disk having a central opening fitted about the inner end of the said longer interior ferrule, the said disk having an annular outwardly directed flange formed about the center opening thereof, and an outer disk having a central opening, the said outer disk disposed parallel with and adjacent the first mentioned inner disk with the edge of the center opening extending about the flange, the outer shorter ferrule being mounted so that its outer end is flush with the outer end of the washer body and its inner end abuts the outer edge of the flange so that the body with the outer ferrule is rotatable and axially slidable about the shank of the retaining screw between the end of the stem and the head of the screw.

2,277,252
POLYMERS FROM OIL AND EXTRACT OF THE GENUS COFFEA
Herbert S. Polin, Albert I. Nerken, and Henry Wettingfeld, Jr., New York, N. Y., assignors to Coffee X Corporation, a corporation of Delaware
No Drawing. Application August 7, 1940, Serial No. 351,667
6 Claims. (Cl. 260—407)

1. Process for polymerizing oil extracted from the genus Coffea which comprises the steps of: halogenating said oil, and thereafter treating with a polymerizing agent selected from the group consisting of alkalies, polybasic acids, and aldehydes.

2,277,253
SHOE DISPLAY STAND
Morris D. Pollinger, Stamford, Conn.
Application April 12, 1939, Serial No. 267,413
2 Claims. (Cl. 211—37)

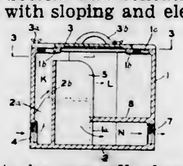


1. In a shoe display stand, a weighted base, an upwardly and rearwardly inclined supporting arm having a semi-circular rebent lower forward terminal secured tangentially to the base, a transversely arranged sole rest secured to said arm adjacent the upper end thereof, and a transverse rest having sole edge embracing hooks located at the juncture of the arm with the semi-circular terminal and disposed forwardly of the center of the base.

2,277,254
GREASE TRAP
Dan Ridge and Lloyd L. Seestedt, Romulus, Mich., assignors to Henry W. Seestedt, Romulus, Mich., doing business as Romulus Gray Iron Foundry
Application November 18, 1938, Serial No. 241,125
3 Claims. (Cl. 210—56)

2. A grease trap of the class described comprising a container providing a chamber having a low lateral inlet and an outlet, upright baffle means arranged within said chamber to provide a passageway above the bottom wall of said

container and leading laterally from said inlet and to bound a substantial space wherein relative quiescence will be had, said container having the part of its bottom wall beneath said passageway arranged with sloping and elevated portions



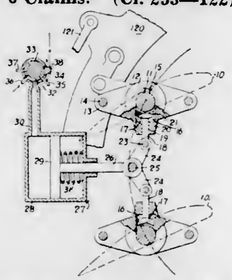
to cause flow to be upwardly from said inlet to said space, and drain means carried by said elevated bottom portion and opening into that portion of the container chamber above said elevated bottom portion.

2,277,255

GUIDE BLADE BRAKE

Max Rudert, Ludwig Meissner, and Rudolf Ungethüm, Heidenheim, Brenz, Germany, assignors to J. M. Voith, Heidenheim on the Brenz, Germany, a copartnership composed of Walther Voith, Hermann Voith, and Hanns Voith

Application May 19, 1938, Serial No. 208,908
In Germany May 24, 1937
6 Claims. (Cl. 253—122)



1. In a hydraulic machine having adjustable guide blades, means for adjusting the positions of said guide blades, rotatable spindles for supporting said guide blades, brake shoes engaging said spindles, and means for urging said brake shoes into engagement with said spindles.

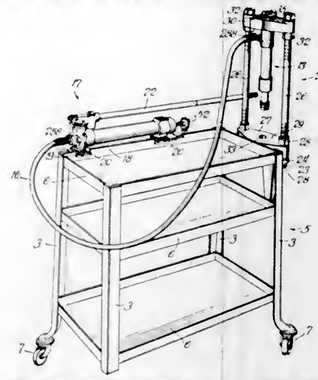
2,277,256

HYDRAULIC APPARATUS

Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Original application April 4, 1936, Serial No. 72,750. Divided and this application December 20, 1937, Serial No. 180,757
2 Claims. (Cl. 103—218)

1. In a device of the class described, a portable hydraulic pump comprising a frame member having a cylinder, check valve for said cylinder, a piston for the cylinder, a hose coupling socket connected through the discharge check valve to said cylinder, a tubular reservoir member communicating through the inlet check valve with said cylinder and extending substantially at right angles thereto, a manually controlled by-pass valve from said socket to said reservoir member, said reservoir member comprising a relatively long tubular casing rigid with the frame and suitable to serve as a handle member, a beam pivoted on said frame member for operating the pump plunger, a handle member coupled to the beam and disposed to swing in substantially the same plane as the reservoir casing whereby the pump is capable of being operated by relative movement of said handle members toward and away from each other, and supporting means for the frame member and the reservoir member respectively, means carried by the outer end of the reservoir member for hold-



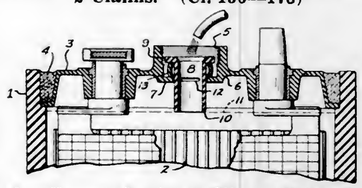
ing said reservoir member on the floor, said beam having a horizontal handle receiving socket and a vertical handle receiving socket for optional attachment of the handle in one position or the other.

2,277,257

OVERFILL-PREVENTING DEVICE FOR STORAGE BATTERIES

Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application August 7, 1939, Serial No. 288,748
2 Claims. (Cl. 136—178)



1. A cell cover having a filler well terminating downwardly in an inwardly turned flange having a central perforation, a rigid tubular member slidable in said perforation and terminating upwardly in an outturned flange, resilient means supporting said tubular member and positioned between said flanges, the wall of said tubular member having an aperture therein, a vented filler cap for said filler opening and having a portion adapted to engage said tubular member and axially move it in the said perforation until said aperture is below said inwardly turned flange when said cap is seated, said aperture being closed by said flange when said cap is unseated.

2,277,258

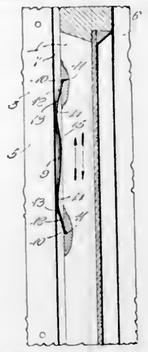
WINDOW ATTACHMENT

Adell Santrey, New York, N. Y.

Application June 9, 1941, Serial No. 397,323
2 Claims. (Cl. 292—76)

1. A sash holder adapted to be fitted between a side portion of a window sash and a confronting surface of a window frame and anchored to the sash, said holder comprising a strip of spring metal bowed longitudinally for the major portion of its length and having straight end portions constituting integral extensions of the bowed portion and having anchoring teeth at their free ends spaced outwardly from the junctions of the

straight end portions with ends of the bowed portion, the straight end portions of the strip causing the bowed portion when subjected to pressure to assume a reverse curvature defining



an inwardly curved intermediate portion merging into outwardly curved gripping portions at the junctions of the straight portions with end of the initially bowed portion.

2,277,259

PLASTIC POLYVINYL ALCOHOL COMPOSITIONS

Ernst Schnabel, Berlin-Lichterfelde, Germany, and Charles Dangelmajer, Dover, N. J., assignors to Resistoflex Corporation, New York, N. Y., a corporation of New York

No Drawing. Application April 19, 1939, Serial No. 268,754
36 Claims. (Cl. 260—4)

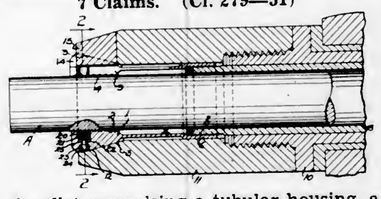
1. A solid plastic and apparently homogeneous composition for forming articles comprising polyvinyl alcohol and a solvent for polyvinyl alcohol in an amount by weight less than said alcohol containing, as a plasticizer for said composition, non-hygroscopic organic material uniformly dispered throughout said composition in the form of fine particles, said plasticizer being substantially non-volatile in the composition, insoluble in said solvent, having substantially no solvent power for polyvinyl alcohol and having a deformability at least as great as that of said composition, the amount of said plasticizer being from about 9% to about 59% by weight of the polyvinyl alcohol.

2,277,260

COLLET

Irving H. Sheffer, Detroit, Mich.

Application October 16, 1939, Serial No. 299,613
7 Claims. (Cl. 279—51)



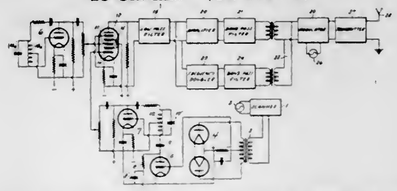
1. A collet comprising a tubular housing, a tubular member mounted therein through which work is adapted to be fed, said member being longitudinally split from one extremity into a plurality of separated segments, coacting means on the housing and member for forcing the segments inwardly to constrict that portion of the bore of said member, the bore of the segments being serrated to grip the periphery of the work, said segments having radial openings formed therein, buttons seated in said openings having serrated faces projecting inwardly slightly beyond the serrated bore of the segments to bite into the work so that the serrated bore of the segments is spaced a slightly greater radial distance from the axis of the work than the serrated faces of the buttons, and means holding said buttons in position.

2,277,261

SYSTEM FOR TRANSMISSION AND RECEPTION OF FREQUENCY MODULATED SIGNALS

James Ernest Smith, Brooklyn, N. Y., James N. Whitaker, Weehawken, N. J., and Gilbert R. Clark, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Original application April 27, 1939, Serial No. 270,332. Divided and this application May 15, 1940, Serial No. 335,204
13 Claims. (Cl. 178—5)



1. In a signaling system, means for producing a sub-carrier frequency, means for varying said sub-carrier frequency in accordance with a signal, means for producing a second harmonic of said varying sub-carrier frequency, means for producing a radio frequency carrier, means for modulating the radio frequency carrier by both said sub-carrier frequency and said second harmonic, means for transmitting the modulated radio frequency carrier, and means at the receiver for utilizing the second harmonic only of the sub-carrier frequency and rejecting the fundamental thereof.

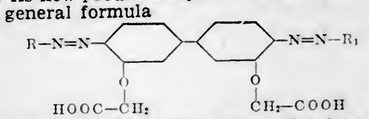
2,277,262

AZO DYESTUFFS

Eberhard Stein, Leverkusen-Schlebusch, Carl Taube, Leverkusen-I. G.-Werk, and Siegfried Petersen, Cologne-Mulheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 18, 1940, Serial No. 314,452. In Germany January 25, 1939
4 Claims. (Cl. 260—181)

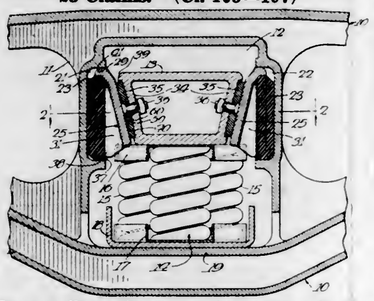
1. As new products asymmetric azodyestuffs of the general formula



wherein R stands for the radical of a 1-aryl azo compound selected from the group consisting of mono- and disazo compounds of 2-amino-5-hydroxynaphthalene-7-sulfonic acid, aryl being a radicle of the benzene series and R_1 stands for the radical of a coupling component selected from the group consisting of 1- and 2-hydroxynaphthalene, the amino-, alkylamino-, arylamino, acylamino, and aroylamino-, $-SO_3H$ and $-COOH$ derivatives thereof, pyrazolones and 1-aryl azo compounds selected from the group consisting of mono- and disazo compounds of 2-amino-5-hydroxynaphthalene-7-sulfonic acid, aryl being a radicle of the benzene series, the

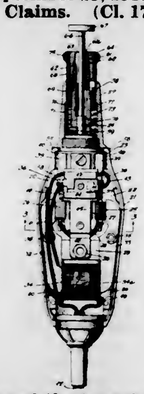
radicals R and R_1 being different from each other, dyeing cellulosic fibers in general grey to black shades the fastness properties of which become improved by an aftertreatment with agents yielding metals.

2,277,263
STABILIZING MECHANISM FOR RAILWAY TRUCKS AND THE LIKE
Herbert E. Tucker, Chicago, Ill., assignor to James R. Cardwell, Chicago, Ill.
Application April 11, 1940, Serial No. 329,141
23 Claims. (Cl. 105—197)



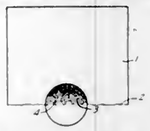
2. In a railway truck, a side frame, having a bolster opening therein, a bolster within said opening, resilient means for supporting each end of said bolster, means for frictionally resisting harmonic movement of said resilient means beyond predetermined limits, said last named means comprising rubber members and friction shoes forced into frictional contact with said bolster and so constructed as to permit said bolster supporting means and shoes to move freely together between predetermined limits under all load conditions and to frictionally resist relative movement between said shoes and bolster beyond those limits within any zone of vibration for said bolster.

2,277,264
ELECTRIC MOTOR
Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application September 28, 1940, Serial No. 358,875
18 Claims. (Cl. 172—36)



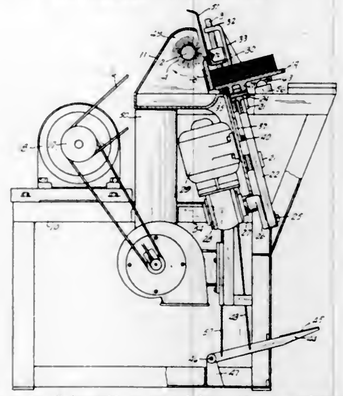
1. In a device of the type described, a rotating armature comprising a slotted core wound with a plurality of turns of wire; a field; and a plurality of blades frictionally anchored in the slots of said armature for moving air over said field and armature to cool the same.

2,277,265
LEAF ASSEMBLY AND METHOD OF MAKING THE SAME
Logan F. Zahniser, Erie, Pa., assignor to Erie Foundry Company, Erie, Pa., a corporation of Pennsylvania
Application January 10, 1940, Serial No. 313,266
10 Claims. (Cl. 281—21)



1. The method of treating a leaf for a leaf assembly which consists in removing a portion of the leaf on a face along the edge thereof and loosening the fibers along the thinned edge.

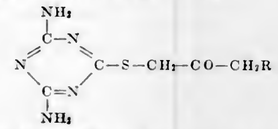
2,277,266
MACHINE FOR TREATING LEAVES FOR BINDING
Logan F. Zahniser, Erie, Pa., assignor to Erie Foundry Company, Erie, Pa., a corporation of Pennsylvania
Application February 9, 1940, Serial No. 318,087
11 Claims. (Cl. 15—21)



5. In a leaf treating machine, the combination of a leaf assembly support; a clamp for securing the leaf assembly on the support; an abrading means; mechanism reciprocating the means and support relatively to each other; and devices automatically setting the clamp with each complete reciprocation.

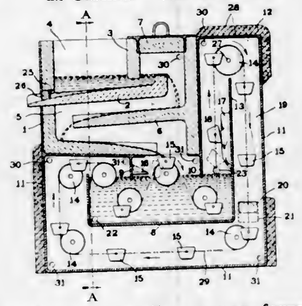
2,277,267
RESIN-FORMING THIOAMMELINE ETHER KETONE AND PROCESS FOR PREPARING SAME
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 18, 1941, Serial No. 389,205
6 Claims. (Cl. 260—248)

1. A ketone having the formula



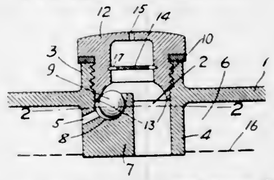
wherein R is a member of the group consisting of hydrogen and lower alkyl radicals.

2,277,268
METAL TREATMENT PROCESS AND APPARATUS
Gustave W. Goerner, Bourne, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 6, 1940, Serial No. 364,569
12 Claims. (Cl. 22—57)



1. A process for casting a non-ferrous metal which comprises flowing a stream of the molten metal through an atmosphere of an alkali metal vapor into a mold and then contacting the mold with a bath of liquid alkali metal.

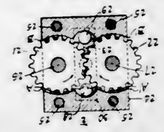
2,277,269
FILLING AND VENTING PLUG FOR STORAGE BATTERY CELLS
Harold C. Riggs, Langhorne, and William C. Leingang, Philadelphia, Pa., assignors to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application December 12, 1938, Serial No. 245,110
5 Claims. (Cl. 136—178)



1. A filling and venting structure for a storage battery cell having a cover and containing electrolyte comprising, in combination, a wall defining a filling and venting duct through the cell cover extending downwardly approximately to the normal electrolyte level, an auxiliary vent through said wall at a point just below the under surface of the cover, a ball valve member, a support for said ball valve adapted to retain it in proximity to the outer end of the auxiliary vent and to permit it to roll by gravity to close said vent, and a vent plug adapted to be inserted into the filling and venting duct and when so inserted to engage the ball valve to move it away from the auxiliary vent to open the latter.

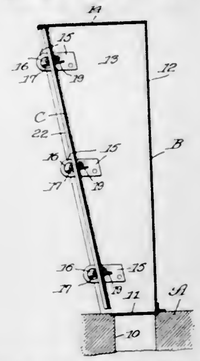
2,277,270
GEAR PUMP
Walter P. Schmitter, Wauwatosa, and Ralph Wiken, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1938, Serial No. 229,439
9 Claims. (Cl. 103—126)

6. In a gear pump the combination of intermeshing gears each having fluid-carrying teeth, a casing closely fitting portions of the peripheries of said gears and completely enclosing the areas adjacent the point of interengagement of said gears to form separate chambers on each



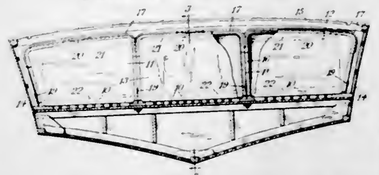
side thereof, and fluid inlet and outlet means for said casing including an opening at one end thereof, the teeth of one of said gears being exposed through said opening.

2,277,271
VENTILATOR FOR DUST CREATING OPERATIONS
Claude B. Schneible, Chicago, Ill.
Application October 21, 1938, Serial No. 236,337
6 Claims. (Cl. 98—115)



1. In suction apparatus of the character set forth, a housing having one side open, suction means communicating with said housing, supporting beams adjacent said open side, and Venturi ribs supported by said beams, said ribs being provided with horizontal slots, members carried by said supporting beams and slidably received within said slots of said ribs whereby said ribs are adjustable to vary the spaces therebetween.

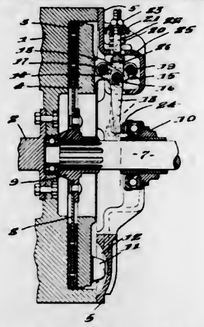
2,277,272
STOWAGE OF FUEL TANKS
Hubert Scott-Paine, Hythe, Southampton, England
Application May 15, 1940, Serial No. 335,268
In Great Britain June 5, 1939
4 Claims. (Cl. 114—0.5)



1. In a high-speed motor-boat, the combination with a fuel tank of a blanket-like packing of felt impregnated with petroleum jelly surrounding said tank, a rigid bridge-piece constructed and arranged to be fitted over said

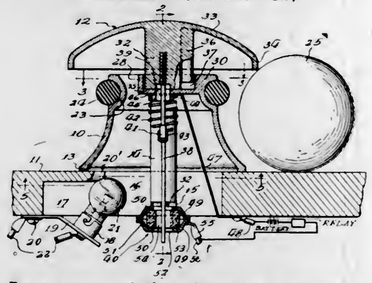
packing and tank, and flexible means engaged with said bridge-piece anchored at each end to the structure of the boat.

2,277,273
FRICTION CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application May 31, 1940, Serial No. 338,067
8 Claims. (Cl. 192—68)



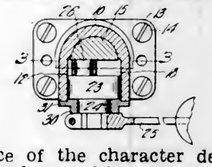
1. In a friction clutch including driving and driven elements, a pressure ring opposed to the driving element and rotatable therewith, the driven element including a clutch shaft and a friction plate rotatable therewith and shiftable axially thereof, the plate extending between the pressure ring and the driving element, and a back plate rotatable with the driving element; the combination of clutch operating mechanism including a throw-out collar slidable axially along the shaft, levers extending radially relatively to the clutch shaft and coacting at their inner ends with the throw-out collar and toggle means for transferring the movement of the levers to the pressure ring, arranged with the joint of the toggle movable radially outward to straighten the toggle during engagement of the clutch and inward during disengagement thereof, a link connected to the joint of the toggle and extending radially outward, and a spring arranged outside of the back plate to thrust outwardly on said link.

2,277,274
BUMPER CONTACT SWITCH
Harry B. Stoner and Fred W. Moxey, Aurora, Ill., assignors to Stoner Manufacturing Corporation, Aurora, Ill., a corporation of Illinois
Application March 21, 1940, Serial No. 325,202
9 Claims. (Cl. 200—52)



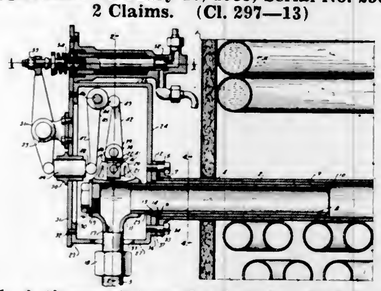
1. In a game of the character described, the combination of a game board, a support disposed upon said game board, a member presenting a target at which objects movable upon said game board may be directed disposed upon said support and arranged to be tilted thereon when struck by said movable objects, said member having its lowest engageable portion substantially higher above said game board than the center of gravity of said movable objects whereby when said objects engage thereagainst, same will move inwardly of and underneath said member, lifting said engageable portion and causing tilting thereof, said objects being adapted to continue in their motion after striking said target member to impact and expand all of their kinetic energy against said support, said support being provided with shock absorbing means for cushioning said impact, said member having a downwardly extending electrical conductor, an electrical contact presenting a contact surface to said conductor, said conductor being normally maintained out of contacting engagement with said contact and an electrical circuit within which said conductor and contact are connected adapted to be closed upon the tilting of said member.

2,277,275
RAM MOVING AND LOCKING MEANS
Guy E. Swartz, Detroit, Mich.
Application October 26, 1938, Serial No. 237,161
4 Claims. (Cl. 74—107)



1. A device of the character described consisting of an elongated housing, a ram mounted therein and slidable longitudinally thereof, said ram being provided with a transverse groove, a portion of which is at substantially right angles to the axis of the ram and a part of which is arcuate, a shaft mounted for rotation in a wall of said housing and with its axis at right angles to the axis of the ram, said shaft having an enlarged cylindrical portion at its inner end adjacent the ram, an eccentrically located crank pin carried by said enlarged portion on its inner face in position and adapted to cooperate with said groove, and means to rotate said shaft.

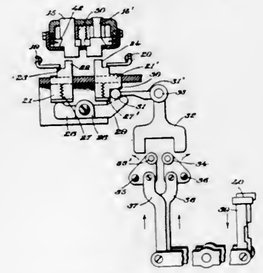
2,277,276
THERMOSTAT
Frank S. Thomas, Topeka, Kans., assignor of one-half to Fred P. Martin, Topeka, Kans.
Application February 17, 1939, Serial No. 256,918
2 Claims. (Cl. 297—13)



1. A thermostat mechanism for fluid heating devices having a heating chamber and a flow duct

contained in said chamber in direct exposure to heating medium in said chamber including, lever carrying means exteriorly of said chamber, a lever pivoted on said carrying means, a rigid connection between the duct and said carrying means to bodily support said carrying means from said duct, and a plurality of telescoped tubes sleeved within said duct with the outermost of said tubes rigidly anchored with respect to said carrying means and the innermost tube having free relative movement with respect to said carrying means and connected with said lever, said telescoped tubes having different coefficients of expansion from each other and being interconnected to provide relative movement between said tubes responsive to temperature of the heating medium acting upon said duct and modified by the temperature of fluid flowing from said duct through the innermost tube to produce said relative movement between the innermost tube and said carrying means for actuating said lever.

2,277,277
TYPEWRITER
Alfredo Tombolini, Milan, Italy
Original application July 8, 1935, Serial No. 30,387. Divided and this application August 2, 1939, Serial No. 288,055. In Italy July 11, 1934
2 Claims. (Cl. 197—63)

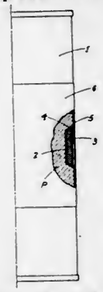


1. A margin setting device for typewriters comprising, a carriage adapted for step-by-step movement, two rows of settable stop members adapted to coact with said carriage to limit the movement thereof, each row including stop members equal in number to the step movements of the carriage, the stop members of one row serving to limit the movement of the carriage in one direction while the stop members of the other row serve to limit the movement of the carriage in the other direction, guides supporting said stop members for vertical sliding movement from inoperative to operative position, separate members mounted on said carriage, one for setting the stop members of each of the two rows, manually operable keys, actuating means connecting said keys with said members, and resilient means for holding each stop member in operative position against accidental displacement.

2,277,278
INDICATOR FOR FROZEN CANNED GOODS
Stanley F. Triplett, Modesto, Calif.
Application January 24, 1939, Serial No. 252,578
6 Claims. (Cl. 99—192)

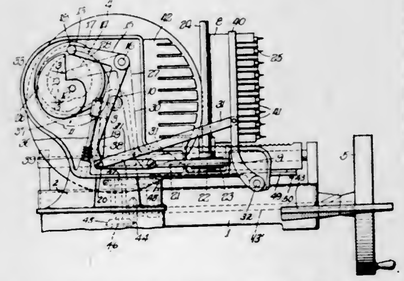
1. In combination with a can for frozen goods and having a label thereon, a reservoir open to the exterior of the can, an ice cake in said reservoir, and a label defacing ingredient in said ice cake; the reservoir being disposed on the can in such position that liquid resulting from melting of the ice cake will flow onto said label.

4. In the combination of a can having frozen goods therein, a cup formed in the can and open



to the exterior thereof, and an ice cake frozen in said cup; said cup having a bleed hole initially opening from the cup into the interior of the can, said bleed hole normally being sealed by the ice cake.

2,277,279
SLICING MACHINE
Cornelis F. M. van Berkel, Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application June 3, 1939, Serial No. 277,216
In Great Britain June 9, 1938
11 Claims. (Cl. 146—94)

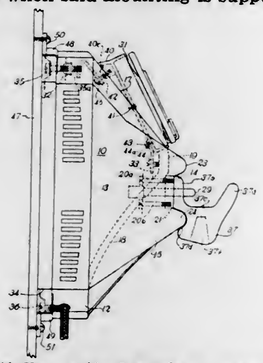


1. In a slicing machine having a carriage, a slicing knife, means for operating the carriage, and knife driving means driven by said last named means, the combination with a slice conveyor and discharge fly, and driving means driven by the knife driving means, for operating the conveyor and fly in timed relationship with the movement of the carriage, said last named means comprising a cam, a driving connection between the cam and conveyor, a second cam, a driving connection between the second cam and the fly to operate the fly, and a driving connection between said cams to cause said cams to operate together in proper timed relationship, said driving connection between said cams becoming disconnected upon operation in a predetermined direction.

2,277,280
HAND TELEPHONE MOUNTING
Orley M. Vaughan, South Haven, Mich., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 31, 1940, Serial No. 355,063
6 Claims. (Cl. 179—146)

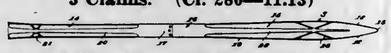
1. A mounting for a hand telephone, compris-

ing a base, a cradle structure integral with said base and comprising means defining a cradle adapted for use in supporting a hand telephone when said mounting is supported upon



a substantially vertical surface, means for detachably mounting said auxiliary cradle structure upon said first-named cradle structure, and a switch operating element disposed to be controlled in accordance with the removal of said hand telephone from either of said cradles and the replacement of said hand telephone upon either of said cradles.

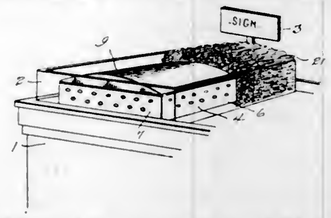
2,277,281
SKI
William H. Vinton, Brattleboro, Vt.
Application February 7, 1940, Serial No. 317,756
3 Claims. (Cl. 280—11.13)



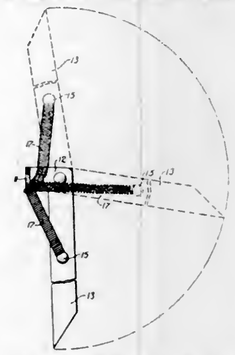
1. A metallic ski comprising an elongated base plate including an intermediate portion and front and rear portions, the intermediate portion being of uniform and maximum thickness, the front and rear portions continuously diminishing in thickness from said intermediate portion toward the opposite ends of the plate, raised elements integral with the plate for reinforcing the front and rear portions, and a guide channel in the lower face of the plate in substantially the longitudinal centre line thereof, said raised reinforcing elements including marginal flanges, medially disposed longitudinal ridges, and diagonally disposed ribs interconnecting the flanges and ridges adjacent the ends of the front and rear portions.

2,277,282
PRETZEL HEATER AND DISPLAY DEVICE
John H. Walborn, Harrisburg, Pa.
Application February 8, 1940, Serial No. 317,936
2 Claims. (Cl. 219—19)

1. The combination in an illuminated counter display and heating device for food products, of a transparent container having an open bottom and adapted to rest upon a counter and within which the food products are carried, a housing within the transparent container and formed with sides, ends, a bottom and a removable top part, the bottom being insulated and the housing being disposed on the counter and spaced from all of the walls of the container, the end and side walls of the housing having spaced openings therein, and the removable top being reticulated and arched, and the space between the side and end walls of the housing and over the arched top adapted to receive the food products to support the same in covering relationship with respect to the housing and in full view for inspection through the container, and combined heating and illuminating elements within the housing to be effective in respect of the food products.



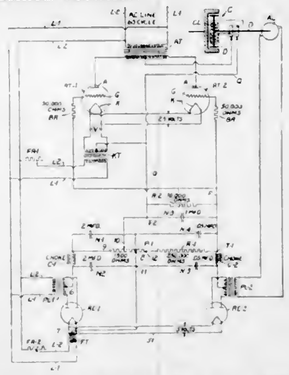
2,277,283
DOOR CHECK
Donald P. Wallace, Indianapolis, Ind.
Application October 23, 1940, Serial No. 362,366
4 Claims. (Cl. 292—338)



1. A door check comprising in combination a mounting bracket having a door attachment base, a leg outturned from the base, a check bar rockably mounted on the leg to swing about a horizontally disposed axis, said axis being spaced forwardly of said base, and a coil spring normally contracted having its coils each consecutively in contact one with an adjacent coil, one end of said spring being secured to said base and the other end carried by said bar spaced from said axis, the respective ends of said spring abutting said base and said bar, said spring being of that length to serve as a stop in said contracted condition to limit downward and rearward travel of said bar to a downturned position forwardly of said base, whereby pressure exerted to rock said bar back toward said base tends to force the spring coils one against the other in a spring axial direction to form in effect a rigid column between said spring and abutments.

2,277,284
ELECTRICAL GOVERNOR
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, as trustee
Application June 28, 1941, Serial No. 400,220
13 Claims. (Cl. 172—284)

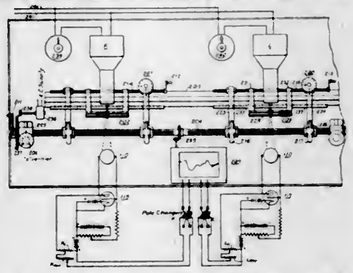
1. Control apparatus for an eddy-current clutch having a driving member and a driven member and a D. C. field coil, comprising an A. C. supply circuit, at least one rectifier tube energized from the A. C. supply circuit to supply direct current to said coil, a control grid in the tube, a second rectifier supplied from said A. C. circuit, a circuit for said second rectifier adapted to apply grid bias to control the action of said first-named tube in exciting said field coil, an adjustable potentiometer in said second rectifier circuit, a generator connected with said driven member for proportional angular velocity in relation thereto, and a third circuit supplied by the generator and adapted to apply a modifying potential to said control grid in accordance with the angular velocity of the generator, to modify the adjusted bias from said second-named rectifier.



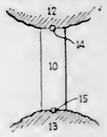
13. Control apparatus for an eddy-current clutch having a driving member and a driven member and a D. C. field coil, a D. C. circuit including said field coil, at least one rectifier tube in said D. C. circuit and supplying said D. C. circuit with direct current to energize said field coil, a control grid in the tube, a second circuit including means for applying a predetermined constant biasing potential to said control grid causing current normally to flow in said field coil circuit, a generator connected with said driven member for proportional angular velocity in relation thereto, and a third circuit supplied from the generator and including means connected with the grid to apply potential in opposition to said biasing potential to modify the bias on the control grid in accordance with angular velocity of the generator, thus tending to reduce current flow in said field coil circuit as the speed of said driven member incipiently increases.

2,277,285
MEASURING DEVICE
George V. Woodling, Cleveland, Ohio
Original application April 22, 1932, Serial No. 606,837. Divided and this application November 2, 1938, Serial No. 238,488
24 Claims. (Cl. 73—206)

1. In combination, a plurality of light-sensitive devices, light source means for influencing the light sensitive devices, a current responsive device, circuit connections interconnecting the current responsive device and each of the light-sensitive devices, and a light varying means for each light-sensitive device, each said light-sensitive device and the light varying means therefor being in alignment with the light directed toward the light-sensitive device, said alignment being variable between two spaced limits, and individual means for varying the said alignment between said two spaced limits to individually govern the amount of light falling upon each light-sensitive device, thus making the current responsive device influenced by the total amount of light passed by the individual light varying means upon the plurality of light-sensitive devices, each said light varying means individually intercepting and being positioned laterally with respect to the light directed toward each light-sensitive device, said individual varying means being independently movable with respect to each other.

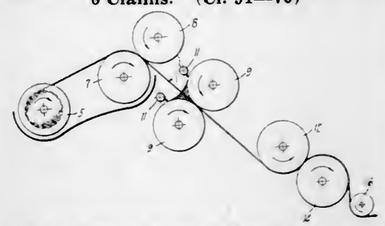


2,277,286
METHOD AND MEANS FOR IMPEDING THE SEEPAGE OR FLOW OF WATER
Paul Bechtner, Chicago, Ill., assignor to American Colloid Co., Chicago, Ill., a corporation of South Dakota
Application November 5, 1936, Serial No. 109,245
13 Claims. (Cl. 61—30)



6. The method of preventing flow or seepage from bodies of water which comprises forming and supporting and confining across the water path a compact blanket of finely-divided, substantially dry swellable bentonite of sufficient thickness and bentonite concentration to swell adjacent its face upon contact by the water and form across said path a water-impervious barrier of swollen bentonite merging into a reserve mass of substantially unswollen bentonite.

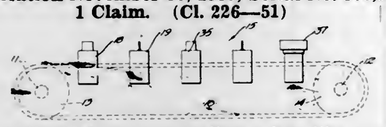
2,277,287
MANUFACTURE OF COATED MATERIALS AND PRODUCT
Arnold O. Beckman, Altadena, and William A. Bush, and Harry Rubin, Los Angeles, Calif.
Application February 4, 1939, Serial No. 254,680
6 Claims. (Cl. 91—70)



2. In the manufacture of a coated structure from an impregnatable base sheet, the steps of applying to the base as a first coating a heated

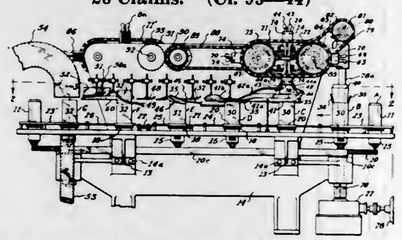
material fluid but stable at an elevated temperature of application of about 200° F. and which penetrates said base and is normally tacky when cold, said first coating material comprising rosin dissolved in a non-volatile oil, applying to said base, coated as aforesaid, as a second coating a heated material fluid but stable at an elevated temperature of application of about 300° F. and compatible and miscible with said first coating on said sheet and normally non-tacky when cold, said second coating comprising ethyl cellulose and a resin in which ethyl cellulose is soluble, and heating the sheet, coated as aforesaid to homogenize said coatings.

2,277,288
METHOD OF SEALING CONTAINERS
Samuel H. Berch, Beverly Hills, Calif.
Application November 30, 1939, Serial No. 306,924
1 Claim. (Cl. 226—51)



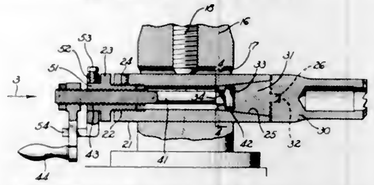
A method of vacuum sealing a bag-like package, characterized as having walls which are flexible and pliable, the inner surfaces of the walls having thereon a material which when said surfaces are pressed together under the action of heat will form a vacuum-tight joint, said method comprising placing a container in a mold with its open mouth portion extending above the level of the mouth of the mold, thereafter filling the container with a product to be packed up to the level of the mouth of the mold, then stretching the mouth of the container by applying pressure upon points on the side walls intermediate the length of said walls, whereby said side walls and the opposite side walls will be stretched and drawn together and vertical creases will be formed in the side walls against which pressure was applied, thereafter releasing said pressure whereby the mouth of the container may be opened, then applying vacuum to the container and its contents to vacuumize the same, thereafter again closing the mouth of the container between the previously formed creases, and then applying heat and pressure to said closed mouth, whereby the material coating the inner surfaces of the container will form an hermetically sealed seam.

2,277,289
ROTATABLE PACKAGING MACHINE AND METHOD
Samuel Bergstein, Cincinnati, and Louis J. Van Guelpen, Middletown, Ohio, assignors to Robert Morris Bergstein and Frank David Bergstein, trustees
Application August 20, 1940, Serial No. 353,402
28 Claims. (Cl. 93—44)



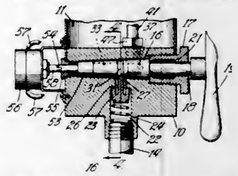
1. A method of forming end closures on cartons in erect form, having articulated end flaps projecting from at least two adjoining side-wall panels thereof, which includes retaining said cartons in erect form, moving said cartons along, and, at successive stages in the course of travel, changing the position of the carton in relation to its direction of motion, said flaps being successively folded inwardly between said stages, and while traveling there-between in a direction of motion parallel to the respective lines of articulation of said flaps.

2,277,290
TOOLHOLDER
Claude W. Bennett, Lynwood, Calif.
Application September 13, 1940, Serial No. 356,635
14 Claims. (Cl. 29—96)



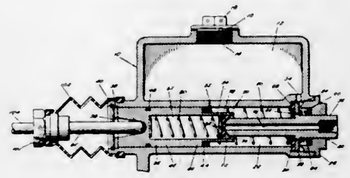
1. A device of the character described in the foregoing specification comprising the combination of: a body member; a tool-carrying shank fitting into one end of said body member, said shank and body being formed for interlocking engagement to prevent said shank from turning in said body when fitted into said body, and being further formed to provide a firm seat for said shank when fitted in said body; a rod passing through a central opening in said body and provided with means at its inner end for detachably engaging the inner end of said shank; and means for exerting tension on said rod while said last mentioned means engages said shank, so that said rod pulls said shank to said firm seat in said body.

2,277,291
DISHWASHING DEVICE
Frank P. Blair, Chicago, Ill.
Application June 12, 1939, Serial No. 278,695
3 Claims. (Cl. 219—39)



1. In a dish washing device of the character described, a base member having a valve therein, a pair of ports in said base member, a tube having its ends in communication with said ports, a water inlet port delivering water to said valve, a discharge port, one of said pair of ports communicating with said outlet port, said valve having passageways and communicating ports therein, adapted to receive water from said inlet port and deliver the same to said outlet port, or to one of said pair of ports, said valve adjustable to deliver water to neither said outlet port nor said port in communication with said tube, electric heating means associated with said tube, and a discharge nozzle connected to said outlet port whereby water may be directed through said valve directly to said outlet port, or through said tube for conversion to steam discharged through said outlet port, said heating means comprising an electrical resistance and said valve, having three positions, including an off position, water discharge position and steam discharge position, being connected to an electric switch functioning to deliver electric current to said electrical resistance when the valve is at water discharge position and steam discharge position.

2,277,292
FLUID PRESSURE DEVICE
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application August 23, 1940, Serial No. 353,987
9 Claims. (Cl. 60—54.6)



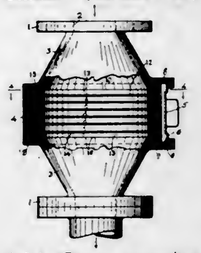
1. A fluid pressure producing device comprising a cylinder having a head and a supply port, a small piston reciprocable in the head having a part for control of the supply port and a fluid discharge passage extended therethrough, a relatively large piston reciprocable in the cylinder having a chamber receiving the small piston, and means for actuating the large piston.

2,277,293
SEPARABLE ELECTRICAL ATTACHMENT PLUG
Bruce B. Bradford, Danville, Iowa
Application July 13, 1940, Serial No. 345,388
3 Claims. (Cl. 173—361)



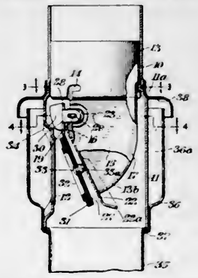
3. A separable electrical attachment plug assembly, comprising a plug cap of insulating material with hollowed out body portion and two finger-grip sections loosely recessed therein; contact blades or prongs, bearing rigid wire holding binding posts, yet hingedly secured to said body portion, intermediate of their ends, one end of each being embedded in each of said finger-grip sections, and their other ends extending outwardly from said body portion for contactive insertion in a cooperating plug base, said finger-grip sections so designed that when they are fully pressed together the extended ends of said contact prongs will be definitely and accurately aligned so as to be in correct position for insertion in its cooperative plug base or any standard plug base.

2,277,294
SELF-CONTAINED FLAME ARRESTER BANK OR UNIT
Stephen H. Brooks, New York, N. Y.
Application August 11, 1939, Serial No. 289,660
1 Claim. (Cl. 220—88)



In light weight flame arresters serviceable without the use of nuts or bolts, an aluminum casing having two annular attaching flanges, an enlargement between the flanges, a separate conical connection from the enlargement to each flange, a tangential face on the enlargement extending over its full width and covering the opening leading to its inside, a plurality of separate perforated flame arrester disks positioned within the walls of the enlargement and separable therefrom, a retaining ring positioned around the circumference of all the disks, a plurality of rings between the disks to hold them spaced apart, said rings having an outside diameter corresponding approximately to the outside diameter of the perforated disks and the inside diameter of the retaining ring, a door slidable on the tangential face to cover the opening through which the disks separating rings and the retaining ring as a unit are passed into the inside, slightly tapered top and bottom flanges formed lengthwise of the door on its face, and grooves on the tangential face above and below the opening said grooves being tapered similarly to the tapered edges of the door whereby an end movement of the door will cause the tapered grooves and tapered edges to finally hold the door against the retaining ring to hold the arrester parts assembled and the inside of the arrester tightly closed without the use of nuts or bolts.

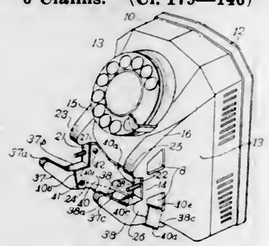
2,277,295
VACUUM BREAKER
Gregory Brown, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 24, 1941, Serial No. 403,795
21 Claims. (Cl. 137—69)



1. A device of the character described, including, in combination, a flushing valve construction having a vent opening, a conduit in said construction terminating in an outlet directed

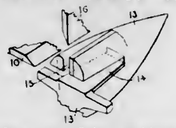
toward said vent opening, a pivotally supported conduit closure, a vent closure pivotally supported independently of said conduit closure, common pivot means for pivotally supporting both said closures independently and gravity-actuated means tending to swing said vent closure out of operative or closing position, and said conduit closure into operative or closing position.

2,277,296
HAND TELEPHONE MOUNTING
Raymond H. Burfeind, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 5, 1940, Serial No. 355,416
6 Claims. (Cl. 179—146)



1. A mounting for a hand telephone, comprising a base, a cradle structure carried by said base and comprising tines defining a first cradle for supporting a hand telephone when said mounting is supported upon a substantially horizontal surface, said cradle structure being provided with recesses adjacent opposite tines thereof, a pair of said tines being provided with non-integral extensions arranged to define a second cradle for supporting said hand telephone when said mounting is supported upon a substantially vertical surface, means coacting with said recesses to secure said extensions to said pair of tines, and a switch operating element disposed to be controlled in accordance with the removal of said hand telephone from either of said cradles and the replacement of said hand telephone upon either of said cradles.

2,277,297
REAPER ATTACHMENT
George L. Cadwell, Valparaiso, Ind.
Application September 26, 1940, Serial No. 358,517
2 Claims. (Cl. 56—316)



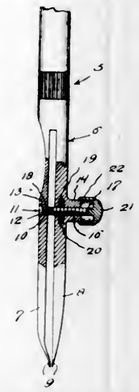
1. In a reaping machine attachment, a horizontal cutter bar, a reciprocating knife or sickle movable on the bar, a supplemental vertical cutter bar attached to the horizontal bar, a reciprocating sickle in the vertical bar, means for coordinating the movement of the two separate knives so as to cause the vertical knife to come into close engagement with the horizontal knife at their point of intersection, a unitary guard at the intersection of the two knives provided with a cutting edge on a horizontal plane, a second cutting edge on a vertical plane positioned directly above the horizontal cutting edge, and means for translating the movement of the horizontal knife into vertical movement on the vertical knife.

2,277,298
ELECTRODE HOLDER
Norbert J. Carbis, Cleveland Heights, Ohio
Application June 27, 1941, Serial No. 400,034
3 Claims. (Cl. 219—8)



1. An electrode holder comprising a clamping pin having a threaded portion intermediate its ends, means connecting an electrical conductor to the rear end of the pin, a tubular handle of insulating material surrounding and attached to said rear end of the pin and enclosing the adjacent part of the conductor, an internally threaded clamping tube screwed onto the threaded portion of the pin for adjustment therealong and projecting forwardly of the front end of the pin, a sleeve of insulating material fitted over and enclosing the tube, the sleeve and tube having registering transverse openings through which an electrode may be extended for clamping engagement between the forward sides of the openings of the tube and the front end of the pin, a finger piece applied to and extending laterally from the rear end portion of the sleeve, and means serving the two-fold purpose of connecting the finger piece to the sleeve and detachably securing the sleeve to the tube.

2,277,299
DRAFTING INSTRUMENT
Edward William Carlton, Chicago, Ill.
Application March 20, 1941, Serial No. 384,411
3 Claims. (Cl. 120—109.5)



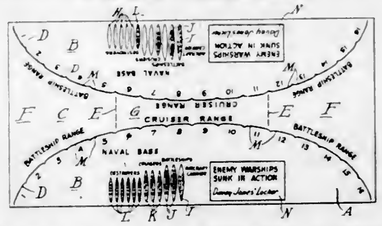
1. A drafting pen equipped with a pair of relatively adjustable blades having nibs for forming lines of various widths, one of said blades provided with a cylindriform boss having a scale marking on its periphery, a threaded pin swivelly connected to the other blade and threaded through said first defined blade and boss and movable for effecting relative adjustment of said blades, said first defined blade formed with a slot through which said pin extends, a lock nut threaded on said pin and disposed in said slot and coacting with one of the walls defining said slot to lock said pin against movement, a cap carried by said pin and formed with a skirt surrounding said boss, said skirt provided with calibrations for selective registry with said marking for denoting the relative positions of the nibs of said blade.

2,277,300
RING TRAVELER
Arthur Dewey Carter, Gastonia, N. C., assignor to Carter Traveller Company, Gastonia, N. C., a corporation of North Carolina
Application May 28, 1941, Serial No. 395,526
9 Claims. (Cl. 57—125)



1. A ring traveler comprising a semi-circular body provided with an opening, said opening having an inclined baffle extending from one side of the opening to a point beyond a plane defining the surface of the traveler.

2,277,301
NAVAL BATTLE GAME
Frederick W. Channer, Glencoe, Ill.
Application March 12, 1940, Serial No. 323,599
1 Claim. (Cl. 273—134)



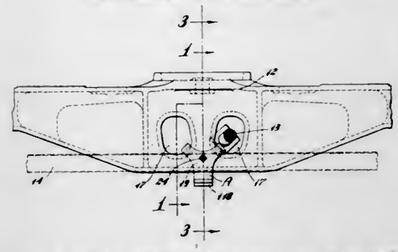
In a naval game, a rectangular game board divided into two opposed maneuvering regions adjacent opposed sides thereof and an intermediate battle area converging from maximum width at the other opposed sides of the board to minimum width at the center thereof, the maneuvering regions and the battle area being divided by convexly opposed lines of ship movement, each line defining a battle line and being subdivided and indexed to indicate corresponding units of progressive movement of opposed war vessels along the battle lines in the same direction on opposing sides of the battle area, the board being further provided with a plurality of various sized spaces within each maneuvering region for initially receiving war vessel playing pieces and with a single space for receiving playing pieces during progress of the game, the battle area at each of its ends of increased width serving to indicate greater and variable battleship range and being subdivided from the intermediate narrow portion of the battle area which serves to indicate lesser cruiser range.

2,277,302
PORTABLE HAND TRUCK
Joseph C. Chenette, Flat Rock, Mich.
Application August 3, 1940, Serial No. 350,694
8 Claims. (Cl. 280—34)

1. In a hand truck of the class described, in combination, a frame including a pair of side members having telescopic sections therein extensible longitudinally for reception of articles of various length, a transversely extending frame member having a depressed mid-section for cradling an article to be carried and connecting said side frame members adjacent their upper ends, transverse load supporting means connecting said frame side members adjacent their lower ends, a pair of wheels rotatably secured to the side frame members adjacent their lower ends, and spaced bearing pads secured to the upper end of each of said extensible telescopic frame sections including hand holds depending from the opposite face thereof.



2,277,303
BRAKE BEAM SAFETY SUPPORT
George C. Christy, Chicago, Ill.
Application May 12, 1941, Serial No. 393,079
10 Claims. (Cl. 188—210)

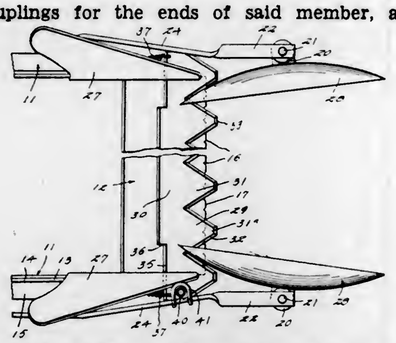


1. In a brake beam safety support adapted for attachment to a railway car truck bolster having a pair of openings in the vertical side face thereof, the combination with a horizontal supporting arm, of an upright section from the lower end of which said arm projects, said upright section bearing against the vertical side face of the bolster; and hooks at the upper end of said upright section hooked over the rims of said openings.

2,277,304
CLEANER FOR POTATO DIGGING BLADES
Anton Cihak, Culver, Ind.
Application October 25, 1940, Serial No. 362,849
10 Claims. (Cl. 55—53)

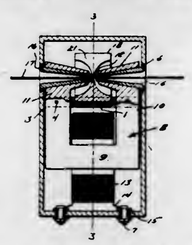
1. In a potato digging machine including a downwardly inclined digging blade provided with a substantially straight forward edge; a downwardly inclined blade cleaning member disposed in superimposed relation with respect to said blade, means slidably mounting said cleaning member on said blade and including resilient

couplings for the ends of said member, and



means for shifting said member relative to said blade.

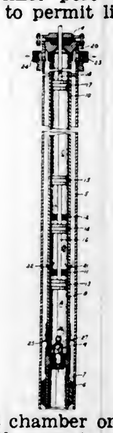
2,277,305
RECORDING AND REPRODUCING DEVICE
Alexander Browning Clopton, Enid, Okla.
Application April 18, 1941, Serial No. 389,250
8 Claims. (Cl. 179—100.2)



1. In a recording and reproducing device, a substantially U-shaped core having poles at the ends thereof and spaced a limited distance from each other, a winding for said core including connections to an alternating electric current source, non-magnetic wire guides carried by said poles and spaced a limited distance apart, and a non-magnetic block having a passage therethrough arranged to receive the adjacent ends of the guides and poles and coacting therewith to form a throat to subject a small area of a wire as it passes from one guide to the other guide to pulsating parts of the flux of said poles.

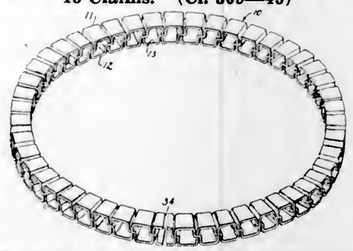
2,277,306
DEEP WELL PUMP
Eugene E. Coffey, Norman, Okla.
Application December 12, 1940, Serial No. 369,853
6 Claims. (Cl. 103—44)

1. A deep well pump comprising: an outer barrel; an inner barrel surrounded by said outer barrel; means sealing off the space between the two barrels near their respective opposite ends; discharge ports affording an outlet for liquid from the sealed space between the barrels; packing means dividing the inner barrel into three elongated superposed chambers, a downstroke power chamber, an upstroke power chamber, and a producing chamber; tandem floating plungers, one in each of said chambers; means connecting said floating plungers together; a power reciprocating plunger in that end of said downstroke power chamber remote from the tandem plunger therein; liquid occupying the space in the downstroke power chamber between the two plungers and adapted to transmit motion from one to the other; open ports affording communication between the interior of the upstroke power chamber, below the path of travel of its piston, and the sealed space between the two barrels; a check valve controlled inlet port in the producing chamber adapted to permit liquid to flow from



the well into that chamber only as the plunger therein moves to the remote end thereof; and a check valve controlled outlet port affording liquid flow from said producing chamber into the space between the two barrels as the plunger in said chamber moves to the opposite end thereof.

2,277,307
PISTON RING
Frederick C. Crawford, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1939, Serial No. 278,432
15 Claims. (Cl. 309—45)

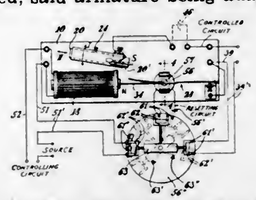


3. A piston ring comprising two similarly dimensioned and radially corrugated annular strips of resilient sheet metal facing in opposite axial directions and having upper and lower horizontal plane segments with radially bent and slotted cross-over segments therebetween adapted to permit intercrossing of said strips, said strips repeatedly intercrossing intermediate said upper and lower planes to define a plurality of tubularly closed radial oil passages.

2,277,308
RELAY DEVICE
Carvel Dillard, Ozone Park, N. Y.
Application July 27, 1940, Serial No. 347,949
14 Claims. (Cl. 175—320)

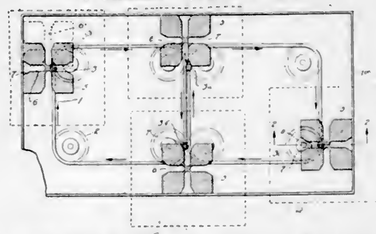
9. In a control instrument, the combination with a solenoid, of a permanent magnet, both instrumentalities being disposed within the magnetic fields of one another, and an armature within the influence of the magnetic fields of

both instrumentalities, said armature being permanently spaced from said solenoid and being positioned in substantially the direction of the longitudinal center axis of the solenoid and normally assuming that position while the solenoid is energized, said armature being adapted to be-



come attracted by the permanent magnet when the solenoid becomes deenergized, means for preventing physical contact between the armature and said permanent magnet, and means for resetting the armature to its normal position when the solenoid is again energized.

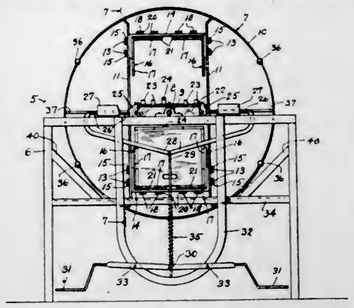
2,277,309
SHUFFLE CONVEYER
Frank A. Doll, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 12, 1939, Serial No. 299,181
6 Claims. (Cl. 198—19)



1. In a shuffle conveyer system, the combination of a plurality of juxtapositioned horizontal conveyers arranged to travel in angular endless paths, each comprising a flexible linear member, rotatable members over which the linear members pass and change their direction, each linear member having a plurality of driving members thereon, and carriages guided to travel in said angular paths and each provided with means adapted to receive a driving member as the driving member and linear member change their direction of travel and adapted to release the driving member when the driving member changes its direction of travel a second time, said carriage arranged to be then engaged by a driving member of the next adjoining conveyer as that driving member comes along and the linear member and the driving member change their direction of travel and to be released again when the last mentioned driving member and the linear member again change their direction of travel a second time, whereby a selectable number of work stations and carriages may be afforded by conveyers in juxtaposition.

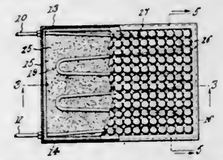
2,277,310
BOTTLE BEVERAGE MIXING MACHINE
William J. Engelhart, Flint, Mich.
Application September 30, 1941, Serial No. 413,036
2 Claims. (Cl. 259—57)

1. In a bottled beverage mixing machine, a supporting frame, a rotatable crate holding carriage axially journalled in said frame and provided with diametrically opposed crate receiving tracks, latch keepers carried by said tracks each having an arcuate latch engaging surface and a latch receiving notch centrally of the arcuate



surface, spring actuated latches mounted on said frames and engaging normally in the notches of said keepers, means for simultaneously retracting said latches from said notches, and means for manually rotating said carriage.

2,277,311
SUN WATER HEATER
Charles M. Freeman, Manatee, Fla., assignor of one-half to D. B. Whittle, Palmetto, Fla.
Application May 24, 1940, Serial No. 337,068
6 Claims. (Cl. 126—271)

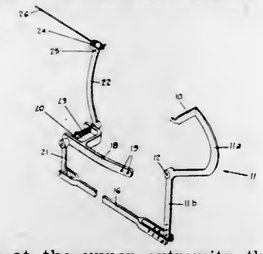


1. In a sun water heater, a heating unit comprising a container having a bottom, sides and ends, a transparent lens fitted in the top of said container and having upper and lower bulbs thereon for intercepting, concentrating and diffusing the rays from the sun into said container, a heat absorbing metallic plate in said container spaced substantially above the bottom thereof but spaced below said lens and forming between said lens and said plate a heating chamber, a water coil in said chamber spaced below said lens, an aluminum alloy insulation sheet directly below said plate, and non-metallic insulation below said aluminum alloy insulation, the bottom of said container and said body of non-metallic insulation being spaced apart to provide an insulating air space therebetween.

2,277,312
FOOT TRIP
Henry Fehr, Sutton, Nebr.
Application May 29, 1940, Serial No. 337,856
8 Claims. (Cl. 74—512)

1. A foot-operated vertical lever adapted for pivotal attachment at an intermediate portion of its length to a fixed portion of the frame of a tractor and having a pedal within convenient reach of the driver of the tractor, a rearwardly projecting link, said lever being provided with a plurality of aligning apertures at the lower portion thereof and said link having a plurality of aligning apertures at the forward end portion,

an upstanding lever pivotally secured to said link at the rear extremity thereof, a bracket adapted for attachment to a fixed portion of the tractor adjacent the draw bar, a pivot shaft secured to



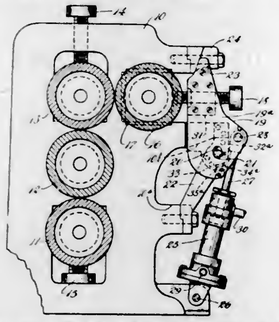
said lever at the upper extremity thereof and having its bearing in said bracket, a clutch-operating lever secured to said pivot shaft, and a torsion spring surrounding said shaft for restoring said levers to neutral position.

2,277,313

CHANGE-ROLL CALENDER

Fred D. Fowler, Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 1, 1940, Serial No. 349,355
5 Claims. (Cl. 18—2)



3. A change-roll calender comprising a frame, a roll mounted in said frame, a yoke for retaining said roll in place, said yoke being pivotally mounted by a lost-motion connection to said frame, a shoulder on said frame behind which the yoke is adapted to be positioned by virtue of the lost-motion connection, cam means for resisting linear movement of said yoke during pivotal movement thereof, said cam means permitting movement in translation of said yoke to engage said shoulder, and means for swinging the yoke about its pivot and for moving the yoke to and from the position behind said shoulder.

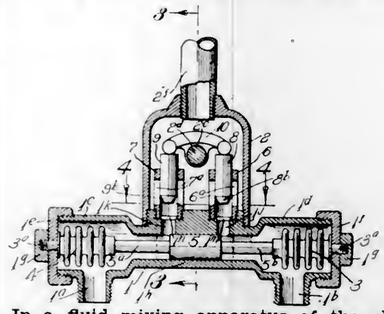
2,277,314

FLUID MIXING APPARATUS

James W. Gallagher, Chula Vista, Calif., assignor of one-half to Arthur W. Schiefer, San Diego, Calif.

Application June 17, 1940, Serial No. 340,945
8 Claims. (Cl. 236—12)

1. In a fluid mixing apparatus of the class described, the combination of an inlet casing member provided with separate cold and hot water inlets, separate bellows in close direct communication with each of said inlets and a cylindrical variable passage control valve member rigidly interposed between said bellows and reciprocally mounted in said inlet casing, said inlet casing provided with outlet passage openings therein arranged in communicative relation with opposite ends of said variable passage control valve member.



8. In a fluid mixing apparatus of the class described, the combination of an inlet casing provided with separate hot and cold water inlets and outlets, a single cylindrical valve member reciprocally mounted in said inlet casing intermediate said outlets and arranged to alternately close and open said outlets, and separate bellows rigidly connected with said single cylindrical valve member and communicating with said hot and cold water inlets, one of said bellows in communication with the cold water inlet provided with volatile fluid temperature control means therein.

2,277,315

RECOVERY OF CARBOXYLIC ACIDS

Lionel S. Galstaun, San Francisco, Calif., assignor to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 13, 1940, Serial No. 345,375
14 Claims. (Cl. 260—514)

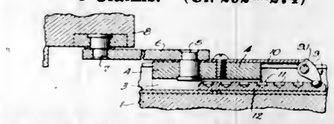
1. The process of recovering organic acids from alkali solutions containing salts of the same which comprises: neutralizing with sulphur dioxide an aqueous alkali solution containing alkali metal salts of carboxylic acids and alkali metal salts of phenols whereby there is formed an aqueous layer and an oily layer containing free phenols and carboxylic acid salts, separating the oily layer from the aqueous layer, separating carboxylic acid salts from the oily layer, and recovering carboxylic acids from said carboxylic acid salts.

2,277,316

DOOR HOLDER

Forrest C. Garrison, Highland Park, Ill., assignor to The Oscar C. Rixson Company, Chicago, Ill., a corporation of Illinois

Application January 2, 1941, Serial No. 372,860
5 Claims. (Cl. 292—274)



1. A door controller including a connection between a door and a door frame, the connection having pivoted attachment points to the door and door frame, a pivoted pendant pawl carried by the connection, a pair of plates spaced apart and positioned on the door below the pawl in the path thereof for coaction with the pawl, and a plurality of pawl sockets in each plate.

2,277,317

TOBACCO HARVESTING DEVICE

John Crocket Gilbert, Buchanan, Va.

Application July 25, 1941, Serial No. 404,068
5 Claims. (Cl. 294—5.5)



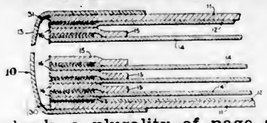
1. A device for use in harvesting tobacco comprising an anchoring member in the form of a socket provided with a ground-penetrating point, an impaling stick having an end thereof fitting within said socket, and a tobacco plant impaling spear having a socket portion fitted on the free end of said stick.

2,277,318

BOOKBINDING

Joseph E. Grant, Beverly Hills, Calif.

Application March 14, 1941, Serial No. 383,270
2 Claims. (Cl. 281—22)



1. In a book, a plurality of page assemblies, each page assembly comprising a page, a reinforcement of less width than the page, and an adhesive strip of less length than the reinforcement and secured to one face of the page and to the corresponding face of the reinforcement, each reinforcement being folded with its associated strip as a hinge to overlap the adjacent page, said assemblies being arranged so that the adhesive strips have their surfaces in direct engagement, adhesive means connecting the engaged portions of the strips, said reinforcements projecting beyond the strips and engaging the succeeding page and adhesive means connecting the projecting portion of each reinforcement with the succeeding page.

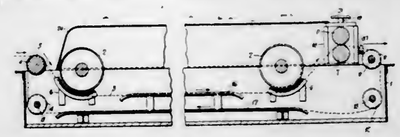
2,277,319

STRIP PROCESSING APPARATUS

Joseph I. Greenberger, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1940, Serial No. 321,273
7 Claims. (Cl. 271—2.1)

7. For use in a continuous processing line, apparatus comprising means for guiding continuous strip through a processing tank and into contact with a strip-processing solution contained therein, continuous conveyor means adapted to be detachably secured to the end of the strip to be threaded through the tank along substantially the same path through which the strip normally



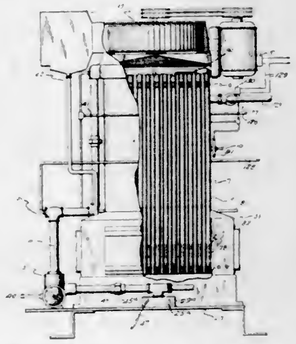
passes during the continuous processing operation, means for guiding said conveyor means in both the forward and return paths, and means comprising a plurality of rotating elements about which the conveyor means are adapted to pass, being driven and supported thereby.

2,277,320

EVAPORATIVE CONDENSER

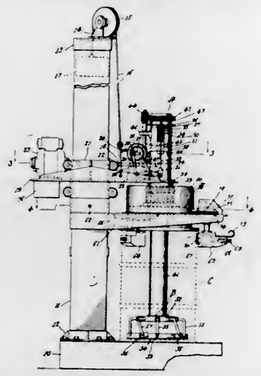
Ernest Gygax, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Mo., a corporation of Missouri

Application August 22, 1938, Serial No. 226,017
2 Claims. (Cl. 257—37)



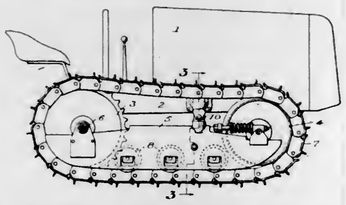
1. An evaporative condenser arranged to condense gaseous refrigerant in a refrigeration system, comprising a vertical shell adapted to receive said gaseous refrigerant, horizontal tube sheets at opposite ends of the vertical shell, a plurality of tubes extending between and passing through the tube sheets, said tubes being secured to the tube sheets in such a manner that the vertical shell is air tight, said tubes being arranged to have all of the tops thereof at the same level, a water storage receptacle beneath the tubes, means for lifting water from the storage receptacle and discharging it around the tops of the tubes, said means comprising a pump discharging water into an annular trough extending about the circumference of the vertical shell, said trough being above the level of the tops of the tubes, and a plurality of pipes in communication with the water in the said annular trough, said pipes extending inwardly from the trough and being arranged to distribute the water in the trough between the upper ends of the tubes, a fan positioned for moving air through the tubes, and a valve responsive to the amount of water in the water storage receptacle for admitting make-up water from a supply line to the storage receptacle.

2,277,321
ELECTRIC MECHANICAL PACKER
Moses A. Harris, Milford, Conn.
Application June 9, 1938, Serial No. 212,839
7 Claims. (Cl. 226—23)



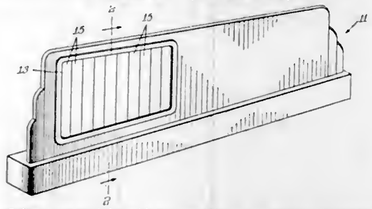
1. An improved packer comprising a support for a container to be packed, a platform mounted for vertical movement above the support, means for counterbalancing said platform, a guide tube fixed to said platform, a non-rotative carrier tube fitted to reciprocate vertically in said guide tube, a tamper tube carried by and within said carrier tube and having its upper end disposed to receive a supply of material to be packed in said container, tamper means carried by the lower end of said tamper tube and disposed within said container, means for imposing on said carrier tube a vertically reciprocating motion, and means for imposing on said tamper tube a rotating motion within said carrier tube.

2,277,322
TRACK SUPPORT FOR CRAWLER TRACTORS
James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application February 5, 1940, Serial No. 317,425
6 Claims. (Cl. 305—9)



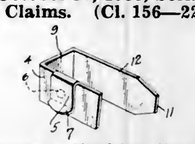
1. In a crawler type tractor of the type having a main frame and rearwardly pivoted side frames, a forward suspension for said side frames, said suspension comprising lateral brackets secured to the main frame and extending across the side frames, spaced apart horizontal pivot pins lying at right angles to the main frame and fixedly mounted in the ends of the brackets and in the side walls of the side frames, yokes mounted on said pivot pins and a rod secured in the upper of said yokes and slidably passing through the lower of said yokes, the axes of the pivot pins secured in side frames being offset in a horizontal direction from the axes of the pivot pins in the brackets.

2,277,323
DRIVE MECHANISM AND SIGN ACTUATED THEREBY
Hans U. Hjermstad and Carl J. Kopp, Chicago, Ill., assignors to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application August 2, 1940, Serial No. 349,558
7 Claims. (Cl. 40—76)



1. The combination with a sign having a movable part and a driving motor, of means connecting the motor to move the part intermittently, comprising a driving cam movable in a circular path about a fixed center and drivingly connected with said motor, a follower member drivingly connected with said movable part and turnable about an axis spaced from the center of said path, said follower member having radial grooves for receiving said cam when the grooves are positioned tangential to the circular path of the cam, said grooves being equally spaced in the follower member with adjacent grooves subtending an angle at said axis such that both grooves of a pair of said grooves may simultaneously extend tangential with respect to the circular path of the driving cam, and a latch member movable radially with respect to said axis and adapted alternately to latch said follower against and release it for turning movement about said axis.

2,277,324
CURTAIN ROD ATTACHING LINK
Earl E. Holwick, Laguna Beach, Calif.
Application October 10, 1938, Serial No. 234,108
4 Claims. (Cl. 156—22)

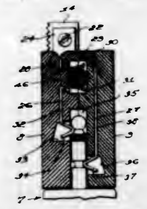


1. A curtain rod attaching link comprising a clip, a shank, and a base plate intermediate said clip and shank, said clip adapted to removably engage a shade bracket and said shank adapted to be pressed and secured within an opening in the end of a curtain rod of standard construction.

2,277,325
SULPHONYL HALIDES
Richard Hueter, Haus Waldfrieden, Dessau-Rosslau, Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application April 20, 1939, Serial No. 268,952. In Germany May 5, 1938
3 Claims. (Cl. 260—543)

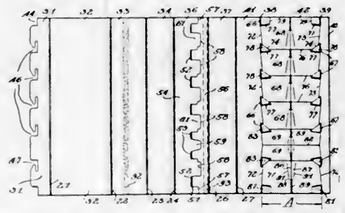
2. The process of producing a sulphonyl halide which comprises subjecting an aliphatically bound disulphide to the action of a halogen in the presence of water while cooling the reaction mass to maintain a temperature which produces said halide.

2,277,326
ELECTRICAL CONNECTOR
Duane Edward Huss, Alton, Ill.
Application September 30, 1939, Serial No. 297,382
10 Claims. (Cl. 173—355)



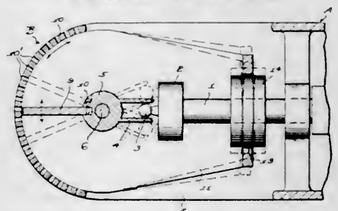
1. An electrical connector comprising a receptacle and a plug member, said receptacle comprising a body formed of a pair of side by side sections, means securing the sections together, the meeting faces of said sections being formed with registered depressions together defining a bore opening through one end of said body for reception of said plug member and a pair of longitudinally spaced laterally extending pockets, said pockets being oppositely laterally outwardly offset, channels extending in said sections from one end of said body into the respective pockets, said channels having major portions thereof arranged substantially parallel to said bore, first and second contact members having major portions thereof conformably fitting said channels and minor portions located in said pockets, said minor portions being laterally inwardly deflected to constitute terminals projecting into said bore for engagement in longitudinally spaced grooves formed in said plug member, the said major portion of one of said contact members comprising two spaced parts having laterally inwardly projecting extensions, the meeting faces of said sections being formed with registering recesses defining a chamber extending transversely through opposite sides of the receptacle body, a push bar mounted for longitudinal movement through said chamber, said push bar having a conductive part arranged to be carried into and out of bridging relation to said extensions by shifting of said push bar in opposite directions across said receptacle body.

2,277,327
EGG BOX AND THE LIKE
William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application February 14, 1939, Serial No. 256,290
7 Claims. (Cl. 229—29)



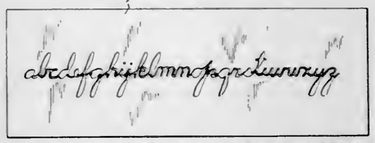
1. A cell type box comprising a blank, cut, scored and folded to form a box having a longitudinal partition and a plurality of transverse partitions, certain of said transverse partitions each having a substantially T-shaped slit adapted to receive the longitudinal partition when said transverse partition is folded down into straddling engagement therewith, the material of said transverse partition adjacent said T slit being displaceable out of the plane of the remainder of said transverse partition and the margins of said slit frictionally engaging the sides of the longitudinal partition.

2,277,328
ELECTRIC RAZOR
Ferdinand L. Kamholz, Buffalo, N. Y.
Application March 11, 1940, Serial No. 323,424
7 Claims. (Cl. 30—43)



1. An electric razor of the class described comprising a body, a motor therein, said body having side extension members of a flexible nature, a comb member held between said side members and removable when the side members are moved apart, a shaft journaled in said side members and released when the side members are moved apart, a blade member carried by the shaft and engaging the inner wall of the comb member, and means for moving the comb member and the blade assembly from the motor.

2,277,329
EDUCATIONAL DEVICE
Charley Samuel Kimbrough, Wiville, Ark.
Application December 6, 1939, Serial No. 307,814
1 Claim. (Cl. 35—37)

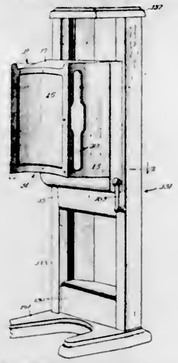


An educational appliance for teaching penmanship comprising a plate having characters cut therein to be followed by a pointed member, said cuts being in the form of slots extending entirely through the plate, said characters being connected together in a long row and grooved bridge pieces extending across certain parts of the cut characters for strengthening the plate, the grooves in the bridge pieces being formed in the upper faces of said bridge pieces and said grooves being wide enough to accommodate the pointed member, said grooves extending in the direction of the slot of which the grooves form a continuation.

2,277,330
PLATE CHANGER
Arthur J. Kizaur, Cicero, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application May 25, 1940, Serial No. 337,185
13 Claims. (Cl. 250—66)

1. A plate shifter for X-ray sensitive material comprising panel means, means for supporting sensitive material on the opposite sides of said panel means, and driving means connected with

said panel means and operable to reverse said panel means in place, whereby to successively



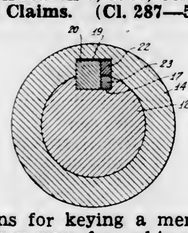
present light-sensitive material on the opposite sides of said panel means in position for exposure.

2,277,331

KEY AND KEYWAY CONSTRUCTION

Karl D. Kysor, Northville, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application March 8, 1940, Serial No. 323,045
4 Claims. (Cl. 287—52.05)



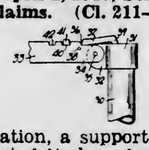
1. A means for keying a member to a shaft comprising key-ways formed in said member and said shaft, said key-ways being engaged by a system of three tapered keys, one of said keys engaging said key-ways of both said member and said shaft and said other two keys each engaging but one of said key-ways respectively.

2,277,332

COLLAPSIBLE COSTUMER

David C. Lamb, Nappanee, Ind., assignor to Goshen Cushion & Body Co., Goshen, Ind., a corporation of Indiana

Application April 4, 1940, Serial No. 327,798
3 Claims. (Cl. 211—178)



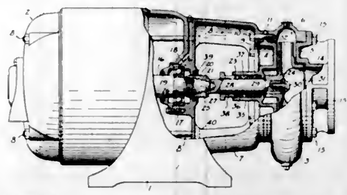
3. In combination, a support having a socket, an arm of inverted U-shaped cross section having parallel ears projecting from one end thereof, means pivotally connecting said ears to said support at predetermined points thereof, and a latch positioned within said arm and pivoted thereto inwardly of the pivots of the ears, an upwardly offset portion of said latch projecting beyond said ears and having a hooked end for releasable engagement with the edge of said socket to hold said arm in horizontal position, said arm depending from said pivot means when said latch is released.

2,277,333

PUMP AND MOTOR ASSEMBLY

Hugo Leopold, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware

Application January 20, 1940, Serial No. 314,871
1 Claim. (Cl. 103—87)



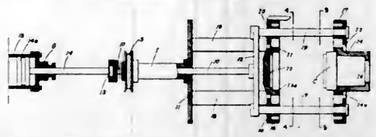
In a fluid pump unit combination including a motor having a housing structure with a bearing in one end thereof and a driven pump assembly having a casing secured to and supported by said structure, a main drive shaft journaled in said bearing and having a free end projecting beyond the end of the structure in the direction of the pump assembly, said free end being formed with an external conical taper, a rotor in the pump casing, an unjournaled stub shaft having one end thereof formed with an internal conical taper to mate with the taper of the main shaft and the other end thereof extending into the casing and rotatably mounting the rotor therewithin, said housing structure including means forming a lubricant chamber surrounding the free end of the main shaft and including sealing means defining a circular opening concentric with the rotational axis of the main shaft, said one end of the stub shaft extending through said opening into the lubricant chamber and having a running fit with the sealing means whereby the circular line of connection between the mating parts of the shafts and at said one end of the stub shaft is disposed within the lubricant chamber to protect the connection against rusting and corrosion and thereby facilitate disassembly, and screw threads on the shafts cooperating to draw the tapered ends thereof together in accurate axial alignment.

2,277,334

CENTRIFUGAL CASTING APPARATUS

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California

Application March 14, 1941, Serial No. 383,310
2 Claims. (Cl. 22—65)



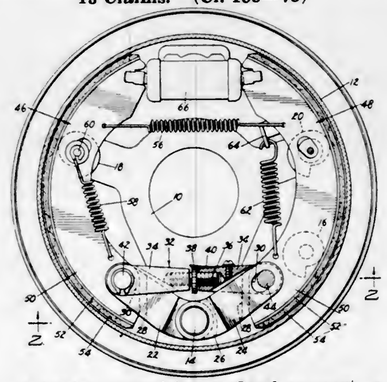
1. In a centrifugal casting apparatus, a tubular drive shaft, a head plate on the outer end of the shaft, a die holder having a central opening spaced from the plate beyond said end of the shaft, rigid members connecting said plate and holder radially out from the opening thereof, another die holder disposed outwardly beyond the first named holder, rods parallel to the shaft secured on said other holder and slidably projecting through the first named holder radially out from the central opening thereof, a spider disposed between the head plate and first named holder on which the rods are secured at their adjacent end, and a shaft secured on the spider and projecting through the tubular shaft in axially movable relation thereto; there being means to move said last named shaft axially.

2,277,335

BRAKE

Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application December 27, 1938, Serial No. 247,959
13 Claims. (Cl. 188—78)



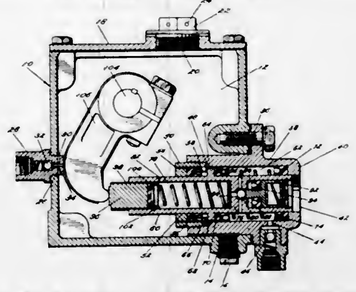
1. A brake comprising a fixed support, a rotatable drum associated therewith, a pair of friction elements for cooperation with the drum, an anchor on the support, a pair of links pivotally mounted on the anchor, an adjustable link connecting the friction elements, means shiftably connecting the friction elements to the links, and means for actuating the friction elements.

2,277,336

FLUID PRESSURE PRODUCING DEVICE

Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application August 12, 1940, Serial No. 352,315
6 Claims. (Cl. 60—54.6)



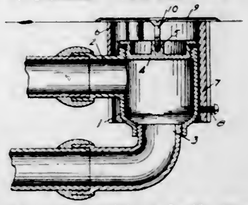
1. A fluid pressure producing device comprising a cylinder, a piston movable therein having a head dividing the cylinder into two chambers, one having a discharge port and the other adapted to draw fluid therein during movement of the piston, means controlling the fluid drawn into the chamber the piston having a small chamber communicating with the chamber having the discharge port, means for control of the communication, and means for subjecting the fluid in the small chamber to pressure.

2,277,337

ADJUSTABLE BATH TRAP

Henry J. Luff, Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application June 13, 1940, Serial No. 340,310
2 Claims. (Cl. 182—24)



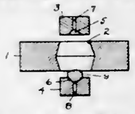
1. In combination with a bath trap having a body and a cleanout plug in the top thereof disposed under a floor surface, the bottom of said cleanout plug being substantially on a line with the top of the waste outlet from said bath trap, a vertically adjustable shield surrounding said body to provide a passageway to said plug from the surface of said floor, means for disposing said shield concentric with respect to said body, and a removable cover disposed over said shield attached to said cleanout plug.

2,277,338

DRAWING DIE

Carl V. Luginbill and Paul Bieberich, Fort Wayne, Ind.

Application April 8, 1940, Serial No. 328,434
2 Claims. (Cl. 205—29)



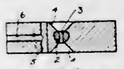
1. A drawing die comprising a support having an opening therein which tapers outwardly in opposite directions from approximately the middle thereof, two opposed plugs within the opening and having recesses in the opposed faces thereof, and a drawing member engaged in both recesses, said plugs being adapted to soften when heated to a selected temperature and to expand laterally under pressure to entirely fill said opening and rigidly lock the drawing member in the support against dislodgment irrespective of the wire drawing direction.

2,277,339

DRAWING DIE

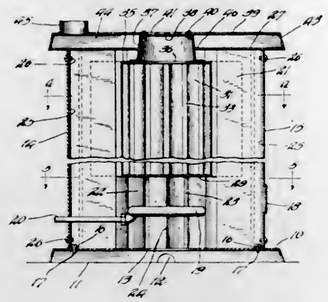
Carl V. Luginbill and Paul Bieberich, Fort Wayne, Ind.

Application April 18, 1940, Serial No. 330,358
1 Claim. (Cl. 205—29)



A drawing die comprising a holder having a drawing member fixed therein, a series of conduits formed in the holder about and adjacent to the drawing member and extending in wire drawing direction from one face of the holder to the opposite face and lateral conduits leading from the former conduits to the outer side of the holder, said conduits being adapted to conduct a cooling medium through the holder which is projected against the face of the holder having the entrances to the conduits therein.

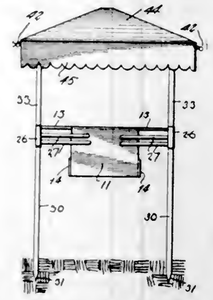
2,277,340
HEATER
Thomas Magiera, Chicago, Ill.
Application February 3, 1941, Serial No. 377,111
2 Claims. (Cl. 126—70)



1. A heater comprising a horizontal base plate having a central air inlet opening and provided with means to support the same in an elevated position, vertical side walls disposed and secured upon the base plate and provided with fin-like vertical corrugations arranged in nearly semi-annular formation, said side walls being spaced apart at the front and back of the heater, flat front and rear walls connecting the side walls, said front wall having a door opening in the lower portion thereof, a door for said door opening, an upper horizontal plate secured on the upper edges of said side, front and rear walls and having a central opening for the escape of products of combustion, a secondary heating chamber arranged within the upper portion of the body formed by said side, front and rear walls, said heating chamber including an imperforate bottom spaced above the base plate and a vertical wall fixed to said bottom and provided with fin-like vertical corrugations uniformly spaced inwardly from the corrugations of said side walls and flat portions spaced from said front and rear walls, a closure plate for the top of said heating chamber spaced below said upper plate and having a central opening, a collar fixed on said closure plate and extending upwardly through and spaced from the wall of the central opening of said upper plate, a top fixture including a horizontal wall having a marginal depending flange secured upon said upper plate and provided with a flue flange, the horizontal wall of said top fixture further having a central opening communicating with said collar and having a grill therein.

2,277,341
COMBINATION BOX, PICNIC TABLE, AND CANOPY
Amedeo Mancusi, Jamaica, N. Y.
Application November 28, 1938, Serial No. 242,849
1 Claim. (Cl. 190—12)

In a device of the character described, a box having a top wall serving as a table, pairs of oppositely extending horizontal straps attached at their inner ends to opposite ends of the box end walls, a perpendicular tubular member carried by the outer ends of each pair of straps, upstanding posts having their lower ends mounted in the upper ends of the tubular members, means for retaining said posts in the tubular members and ground legs having their upper ends mounted in the lower ends of the tubular members, with the upper ends of the legs engaged with and supporting the lower ends of said upstanding posts.



2,277,342
PROCESS FOR THE PREPARATION OF TUNG OIL
Robert S. McKinney, Chevy Chase, and William Gordon Rose, College Park, Md., and Andrew F. Freeman, Washington, D. C.
No Drawing. Application August 23, 1939, Serial No. 291,564
1 Claim. (Cl. 260—407)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

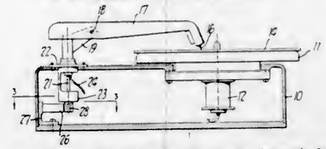
A process for producing a clear liquid petroleum ether solvent-extracted tung oil, which comprises subjecting petroleum ether solvent-extracted tung oil to a temperature of at least 200° C. for substantially 30 minutes.

2,277,343
WIRE BENDING, CLINCHING, AND CUTTING TOOL
William Medved, Fairbanks, Territory of Alaska
Application February 8, 1940, Serial No. 317,939
4 Claims. (Cl. 81—9.3)



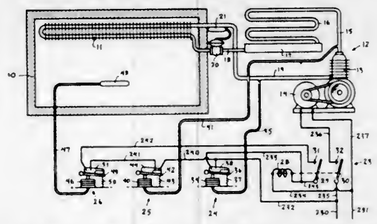
1. In a tool of the class described, an elongated body having a passage therethrough, a bar slidably arranged in the passage, manually operated means for moving the bar for retracting and projecting the same, a member pivoted intermediate its ends to an end portion of the body and having longitudinally extending jaw forming parts at the front portions of the sides and between which jaw forming portions the bar passes, a projection at the inner end of the member engaged by portions of the bar for moving the member on its pivot, said bar having a recess therein for receiving the projection, spring means engaging the pivoted member and acting to move the projection into the recess when the recess comes opposite the projection, a pair of jaw members carried by the body and cooperating with the jaw parts of the pivoted member to hold objects between said jaw members and jaw parts when the pivoted member has been moved by the bar, said bar passing between the jaw members of the body and means for adjusting the jaw members toward and away from the jaw parts of the pivoted member.

2,277,344
PHONOGRAPH PICKUP
Ray W. Miller, Oakland, Calif.
Application May 24, 1940, Serial No. 337,002
5 Claims. (Cl. 274—1)



1. In a phonograph having a turntable for holding a record and a needle-carrying pickup arm for cooperation with a record on the turntable, the combination of an armature mounted for swinging movement with the pickup arm and magnetic means for continuously exerting a force on said armature to urge the needle-carrying end of the pickup arm radially inwardly with reference to said turntable throughout the range of movement of said pickup arm in traversing a record.

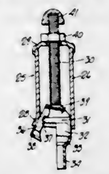
2,277,345
REFRIGERATION CONTROL SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 24, 1939, Serial No. 286,053
24 Claims. (Cl. 62—4)



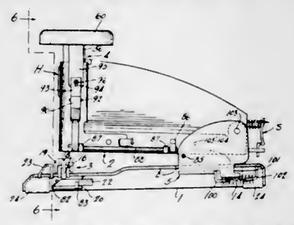
1. In a refrigerating apparatus having evaporator means for controlling the condition of a medium and a mechanism for controlling the circulation of refrigerant through the evaporator means, the combination of, control means responsive to a condition which is a measure of evaporator temperature, control means responsive to the condition of the medium controlled by the evaporator means, and means controlled by both control means for controlling the mechanism to start circulation of refrigerant through the evaporator means only when the evaporator temperature increases to a predetermined high value, to continue circulation of refrigerant through the evaporator means when the condition of the medium controlled by the evaporator means is below a predetermined value until the evaporator temperature decreases to a predetermined low value or to continue circulation of refrigerant through the evaporator means as long as the condition of the medium controlled by the evaporator means is above said predetermined value regardless of whether the evaporator temperature decreases below the predetermined low value.

2,277,346
VALVE GUIDE PULLER
William H. Nichols and James P. Ferguson, South Bend, Ind.
Application March 30, 1939, Serial No. 264,890
10 Claims. (Cl. 29—88.2)

1. A valve guide puller comprising a sleeve, a rigid recessed head slidable in said sleeve and having an internal shoulder intermediate its ends, and means for pulling said head in said sleeve including a shaft fixed to said head, said recessed head being adapted to fit around the stem of a valve to bear on the valve guide while the valve head is supported on said shoulder.

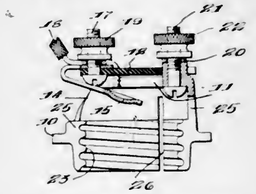


2,277,347
RISER STRUCTURE FOR STAPLING MACHINES
William G. Pankonin, Chicago, Ill.
Application February 23, 1940, Serial No. 320,326
4 Claims. (Cl. 1—3)



1. In a stapling machine a base, a riser member pivoted to said base and having limited pivotal movement with respect thereto, a spring for urging said riser in one direction, and a staple carrying arm pivoted to said riser and having an intermediate portion resting upon the pivotal interconnection between said member and said base whereby said spring also acts to resiliently maintain said arm with its free end in raised position from said base.

2,277,348
LAMP RECEPTACLE
Willard E. Parish, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application February 19, 1940, Serial No. 319,708
3 Claims. (Cl. 173—358)



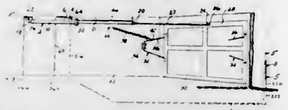
1. A metallic lamp receptacle screw shell formed with an internal thread to receive a threaded base of a conventional electric lamp, said internal thread being of different pitch than the thread on the lamp base, and said screw shell being non-yielding in axial direction and being formed with a plurality of radially yieldable sections.

2,277,349

HYDRAULIC APPARATUS FOR OPENING AND CLOSING DOORS AND THE LIKE

Robert E. Peterson, Hollywood, Calif., assignor, by direct and mesne assignments, to Sco-Peet Manufacturers, Inc., a corporation of California

Application December 16, 1938, Serial No. 246,167
2 Claims. (Cl. 268—75)



1. In a door operating apparatus having a source of pressure fluid supply, a cylinder having an inlet and discharge passages associated therewith for receiving and discharging said fluid supply, a piston reciprocally disposed in said cylinder, a piston rod extending out of said piston having its end terminating with a bolt connection, lazy tong members connected to said cylinder at one end having its mid-section connected to said bolt connection, an inter-mediary rod connected to the extended end of said lazy tong members and having its other end connected to said door for controlling its closing and opening positions, a guide member connected to said cylinder for guiding said bolt connection of said piston rod during its reciprocating movement, a cylinder control valve connected to said cylinder for regulating the inflow and the outflow of said fluid supply into and from said cylinder and for regulating the reciprocal movement of the piston therein, the combination of, an independently actuated remote valve controller connected with said cylinder control valve for controlling its position whereby said fluid supply may be regulated and directed during the opening and closing operation of said door and locking means connected to said independently actuated remote valve controller for locking same in its inoperative position, substantially as described.

2,277,350

FISHING LURE

Manly Phillips, Cincinnati, Ohio

Application May 15, 1940, Serial No. 335,343
3 Claims. (Cl. 43—45)



1. In a fishing lure, in combination with a hook and a line and a member connecting the hook and the line loosely together, a plurality of separate dished vane elements connected to and rotatable around said member incident to their reaction to water through which the lure travels, a certain number of said vane elements equal to the number of the rest of the vane elements being so dished differently from the rest of the vane elements as to rotate in direction opposite to the direction of rotation of the rest of the vane elements, and thereby each number of vane elements acting to nullify substantially the action of the other number of vane elements which would tend, by action of one element alone or a plurality of elements all rotating in the same direction, to distort the line from normal most effective shape.

2,277,351

PROCESS FOR STABILIZING ROSIN AND PINE OLEORESIN

William D. Pohle and Wiley C. Smith, Arlington, Va., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office

No Drawing. Application July 2, 1941, Serial No. 400,882
5 Claims. (Cl. 260—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

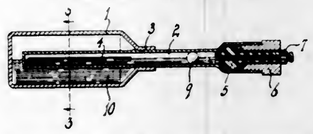
1. A process for producing stabilized rosin, consisting of heating one of the group consisting of rosin and pine oleoresin at temperatures ranging between 300° C.–400° C. under at least 300-lb. pressure per square inch until substantially all the rosin has been converted into a stable form, thence distilling off the volatile fraction present, and thence recovering the residue as a stabilized rosin.

2,277,352

OSCILLATORY POWER CONTROL SWITCH

Alfred W. Posey, Long Beach, Calif.

Application May 15, 1940, Serial No. 335,251
5 Claims. (Cl. 200—52)



1. An oscillatory power control switch comprising a hollow body, a tube in said body, an electrical contact in the outer end of said tube, and a contact element in the tube, said element being movable longitudinally of said tube, said body having a fluid therein and said tube having an opening at the inner end thereof, said tube being solid adjacent the contact end thereof.

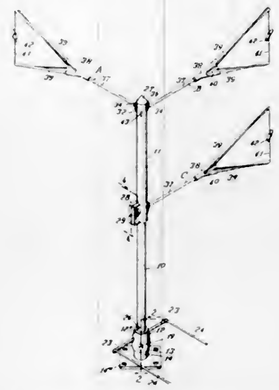
2,277,353

TRAIN ORDER DELIVERY MEANS

Harry C. Pratt, Miles City, Mont., assignor of one-half to Nels Hamre, Miles City, Mont.

Application June 18, 1941, Serial No. 398,555
9 Claims. (Cl. 258—2)

1. Means of the kind described embodying therein a relatively high upright member, means associated with the lower end portion thereof for holding the same in an upright position, a mast member telescopically engaged with the upper end portion of said upright member and movable from a retracted position to an extended position with respect thereto, and means carried by the mast member and disposed in a position to be conveniently grasped by the hand of a person adjacent said upright member for manually extending and retracting said mast member, said means including parts adapted to be manipulated by said hand in a manner locking



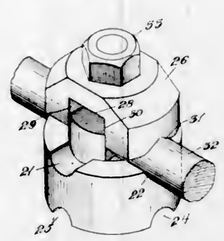
the mast member when in its extended position, to the upright member against relative movement.

2,277,354

TOOLHOLDER

Joseph M. Redinger, Johnston, R. I.

Application April 6, 1940, Serial No. 328,340
2 Claims. (Cl. 82—37)



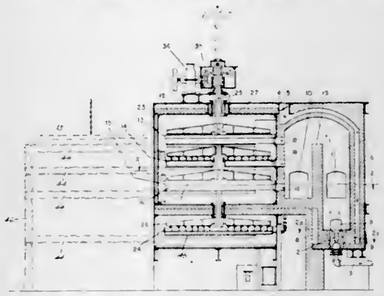
1. A tool mounting comprising a cylindrical post, the upper portion of which is provided with diametrically oppositely positioned flat parallel guiding surfaces, and the lower portion of which is provided with oppositely disposed slots therein for mounting said post upon a support, said post having an opening therein extending through said guiding surfaces and at right angles thereto and a threaded stud extending from the upper portion thereof, a collar encircling said post and provided in its upper and lower edge with a plurality of diametrically oppositely aligned recesses of different sizes for the reception of tools of different dimensions, a clamp positioned on said post having a recess therein provided with opposite substantially parallel walls arranged to engage and be guided on said post by said guiding surfaces and provided with a groove extending on either side of said recess and at right angles thereto and arranged to rest upon a tool extending through the opening in said post and resting in one of the recesses on said collar, said clamp having an opening therein extending from said recess for the reception of said threaded stud, and a nut on said stud movable thereon to engage and move said clamp toward said collar to bind the tool therebetween.

2,277,355

CHEMICAL REACTION FURNACE

Howard Roderick, Grosse Ile, and Arthur C. Schubring, Trenton, Mich., assignors to Michigan Alkali Company, Wyandotte, Mich., a corporation of Michigan

Application September 9, 1939, Serial No. 294,155
3 Claims. (Cl. 263—26)



1. A tray for use in a chemical reaction furnace and the like, comprising a hollow lower portion, a rimmed upper portion, adjacent inlet and outlet ports to said hollow portion, and an enclosed radially disposed passageway through such tray between said ports, the walls of said passageway forming a baffle wall between said ports.

2,277,356

VALVE SEAT AND METHOD OF MAKING SAME

Edward J. Sargent, Los Angeles, Calif., assignor to Sargent Engineering Corporation, a corporation of California

Application March 30, 1940, Serial No. 327,053
8 Claims. (Cl. 29—157.1)



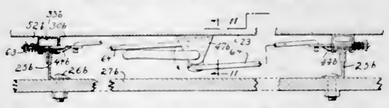
1. A valve seat member comprising a tubular body having an external screw thread extending substantially from end to end, and a composite wrench flange mounted intermediate the ends of said member, said flange comprising a pair of spaced rings of greater internal diameter than the external diameter of said tubular member joined together and to said tubular body by an annular weld, said weld interrupting said screw thread, said thread extending under said rings.

2,277,357

ADJUSTABLE SEAT SUPPORT

Walter S. Saunders, Pontiac, Mich., assignor to The American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan

Application January 17, 1935, Serial No. 2,249
9 Claims. (Cl. 155—14)



9. In an adjustable seat including a supporting structure and a seat structure, means movably mounting said seat structure on said supporting structure including spaced downwardly opening channel-shaped members secured to said seat

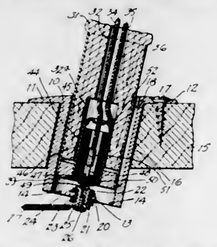
structure, each having registering openings in the opposite side walls thereof, and spaced rails secured to said supporting structure and having portions thereof projecting into a respective channel member, said portions having latch engaging means therein, anti-friction means for slidably supporting said channel shaped members on said rails, and latch mechanism extending across the space between said channel members and mounted in said registering openings for movement transversely of said seat structure to engage with the latch engaging means of said rails for latching said seat in selected positions of relative sliding adjustment.

2,277,358

MARINE FLAGPOLE LIGHT AND SOCKET

Peter Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut

Application March 8, 1940, Serial No. 322,918
2 Claims. (Cl. 173—330)



1. A marine pole light socket for attaching to a horizontally disposed deck or the like comprising a metallic tubular wall and an attaching flange at the upper end of said wall diagonally disposed to the socket axis whereby said socket axis is inclined in the mounted relation of said socket, the lower end of said tubular wall being normal to the tubular axis whereby said socket wall has long and short opposed sides, an electrical contact member mounted centrally in the lower end of said socket, non-conducting insulation means spacing said metallic contact member from said metallic tubular wall, there being a water drain passage between said contact member and the long side of the tubular wall whereby water drains by gravity along the long side of said tubular wall to said passage out of contact with said contact member.

2,277,359

PROCESS OF PERFORMING ORGANIC CHEMICAL REACTIONS WITH ALKALI METAL COMPOUNDS

Erik Schirm, Dessau, Anhalt, Richard Hueter, Dessau-Rosslau, Anhalt, and Heinz-Joachim Engelbrecht, Dessau, Anhalt, Germany, assignors, by mesne assignments, to "Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren," Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application December 16, 1938, Serial No. 246,070. In Germany December 18, 1937
11 Claims. (Cl. 260—132)

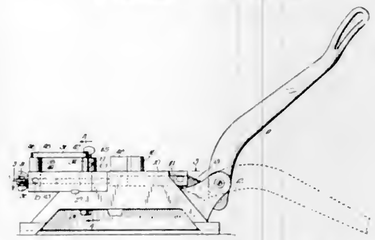
1. In a process for producing an organic reaction product of an alkali metal compound difficulty soluble in organic solvents and an organic compound, the improvement which comprises dissolving the alkali metal compound in an alcoholic hydrogenation product of furfurol and carrying out the reaction of said alkali metal compound with said organic compound in the presence of said alcoholic hydrogenation product as a solvent for the reagents.

2,277,360

HAND PRESS ATTACHMENT

Frank Wagner, Chicago, Ill., assignor to J. F. Helmold & Bro., Chicago, Ill., a corporation of Illinois

Application January 11, 1939, Serial No. 250,392
3 Claims. (Cl. 153—48)



1. A special metal strip bending attachment for application to a hand press of the type having a base, a stationary die holder removably mounted in a socket in the base, a reciprocable die holder slidably mounted on the base in front of the stationary die holder for moving a die carried by the same into operative association with a complementary die carried by the stationary die holder, and a hand lever for imparting movement to the reciprocable die holder; said special attachment consisting of an adapter for insertion in the socket in the base in place of the aforesaid stationary die holder, an upwardly projecting die of relatively small cross section on the adapter for complementary coaction with a die carried by the reciprocable die holder, an upwardly projecting post on the base a substantial distance behind the adapter, and a backthrust bar removably positioned above the base between the upper end of the post and the upper end of the die on the adapter, said bar being positioned a substantial distance above the base to permit the metal strip being bent to be fed back around the die on the adapter under the bar, and said bar terminating at its front end adjacent the upper end of the die on the adapter to afford an unobstructed working space above the path of travel of the die carried by the reciprocable die holder.

2,277,361

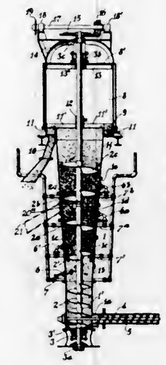
METHOD AND APPARATUS FOR DIRECT-STEAM TREATMENT OF EXTRACTED SOLID MATERIALS

Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware

Application September 15, 1938, Serial No. 230,056
9 Claims. (Cl. 34—37)

7. Apparatus for direct-steam treatment of extracted material embodying, in combination, an upwardly-extending tank having a material feed-opening at its lower portion and, at its upper portion, being provided with a material discharge-opening and a vapor outlet, said tank comprising a cylindrical lower tank portion and an outwardly-divergent upper tank portion of inverted frusto-conic conformation, a shaft extending axially through said tank, a conveyor-screw

mounted on said shaft within said cylindrical lower section and a plurality of linearly-spaced conveyor-screw flights on said shaft within said outwardly-diverging portion to provide in the tank above said cylindrical tank-portion and be-



tween adjacent linear conveyor-screw flights a plurality of steam-treating sections of larger capacity than said cylindrical section, means for blowing steam through said treating sections, and means for rotating said conveyor screw and spaced flights.

2,277,362

METHOD OF TREATING SHAPED CARBON ARTICLES

Edward R. Cole, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 20, 1939, Serial No. 310,233
6 Claims. (Cl. 18—47.5)

1. In a method of treating a shaped article comprising petroleum coke and a pitch binder to prevent said article from bonding to another article of similar composition when the articles are subjected to heating operation in contact with each other at a temperature such that the pitch binder is caused to carbonize, the step which comprises rubbing powdered graphite on the surface of the article while maintaining the temperature of the article at a point between the softening point and the melting point of the pitch binder.

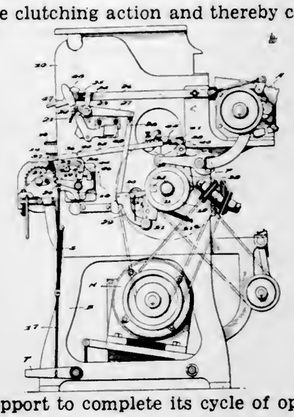
2,277,363

ORNAMENTING MACHINE

Joseph G. Herbers, Cincinnati, Ohio, assignor to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio

Application April 21, 1941, Serial No. 389,641
20 Claims. (Cl. 101—320)

20. In an ornamenting machine, a work support, a die mounted for movement into and out of an aligned operating position relative to said work support, pressure applying means effective to move said work support into and out of engagement with said die, driving mechanism to actuate said pressure applying means, including a clutch for connecting said mechanism to a source of power, control means for interrupting the clutching action of the clutch automatically, to bring said work support to rest when said work support and die are engaged, and means to restore the clutching action and thereby cause said



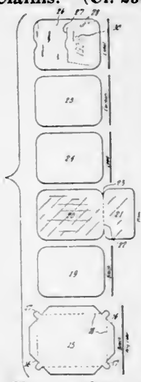
work support to complete its cycle of operations.

2,277,364

X-RAY DENTAL FILM PACKET

Samuel A. Herman, New York, N. Y., assignor to Dentists' X-Ray Film Company, a firm, New York, N. Y.

Application May 6, 1941, Serial No. 392,074
2 Claims. (Cl. 250—69)



2. A dental film packet comprising an envelope for a sensitized film, a sensitized tag associated with said film, a sheet of lead interjacent said tag and film, a label attached to said envelope acting as a cover and having a disruptable portion over said tag, and a sheet of lead foil intermediate said tag and the disruptable portion of said label.

2,277,365

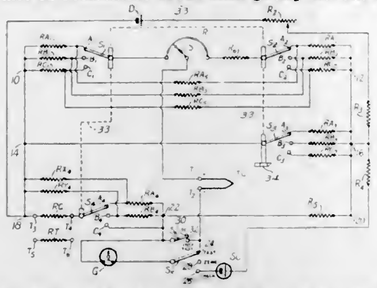
MEASURING APPARATUS

Oscar Stewart Michael, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application June 17, 1939, Serial No. 279,637
12 Claims. (Cl. 171—95)

1. In a multi-range potentiometric measuring instrument having means for comparing the potential across a portion of a slidewire with the potential to be measured, in combination, a source of direct current, control means for regulating the current flow from said source, a slidewire resistance, a plurality of range-changing resistances, means for selectively connecting certain of said resistances and said slidewire across said source and said control means to produce a

predetermined potential across said slidewire for each range of measurement, a group of resistances, means for selectively connecting a certain amount of resistance from said group across said



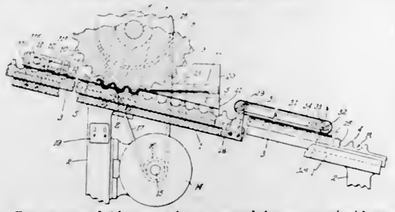
source and said control means to maintain the effective resistance thereacross the same for each range of measurement so that the current flow from said source remains constant for all ranges of measurement at the value determined by said control means.

2,277,366

NECKTIE SEWING MACHINE

Valentine Naftali, New York, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application December 3, 1938, Serial No. 243,791
2 Claims. (Cl. 112—174)



1. In a necktie sewing machine, a stationary support; a reciprocatory table movably mounted on said support; a rigid necktie pleating rack fixed to said table for travel therewith, said rack having rack teeth positioned on its upper surface; a rotary toothed roller meshing with said rack teeth; means for guiding a necktie blank and lining between said rack and toothed roller including a lining guide device connected to said rack for travel therewith for positioning a lining on said rack, and a stationary necktie guide positioned at the infeed side of said toothed roller and rack for guiding the edges of a necktie blank into alignment for sewing with the center of said lining blank; a needle connected at one end to said support, said needle having its shank extending through recesses formed across the teeth of said rack and having its point end positioned adjacent the intermeshing teeth of said roller and rack; and means for rotating said roller to advance said rack and progressively pleat said materials and impale said pleats upon said needle.

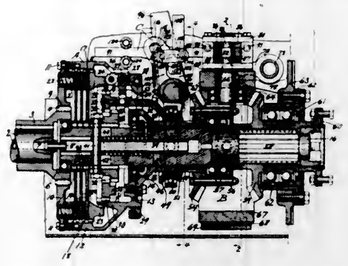
2,277,367

REVERSE GEARING

Reid Antony Railton, Berkeley, Calif., assignor to Hall-Scott Motor Car Company, Berkeley, Calif., a corporation of California

Application April 1, 1941, Serial No. 386,353
7 Claims. (Cl. 74—297)

1. In a reverse gearing the combination of, a drive member, a driven member, planetary gearing connecting said members and including a self-centering planet ring, and at least three equally spaced planet gears serving as the sole supporting and positioning means for the planet ring, and brake means for arresting rotation of



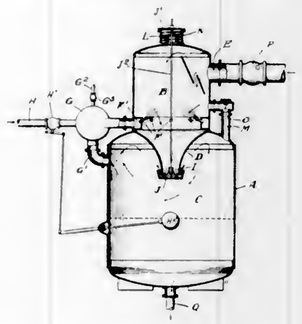
said planet ring thereby causing reversal of the driven member, said brake means including suspension linkage having ball and socket connections to the brake band whereby the brake reactions are absorbed without affecting the position of the planet ring.

2,277,368

DEAERATING APPARATUS

Victor A. Rohlin, Philadelphia, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application July 17, 1940, Serial No. 345,915
4 Claims. (Cl. 183—2.5)



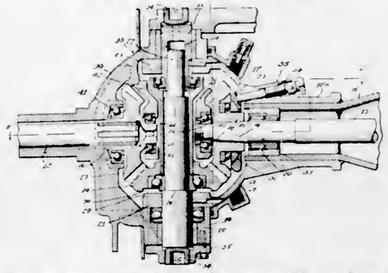
1. Deaerating apparatus comprising a water deaerating chamber, a water heating chamber with a bottom outlet port for the discharge of water by gravitational downflow and for the simultaneous discharge of steam into the deaerating chamber, means for spraying the water to be heated and deaerated into the heating chamber, means for passing steam to heat and deaerate the water into the first chamber, a valve biased for movement into position to close said port and actuated by the differential of the steam pressures in the two chambers to throttle the flow of steam through said port as required to maintain the heating chamber pressure in predetermined excess above the deaerating chamber pressure, a second port connecting said chambers, and a normally closed check valve controlling said second port and adapted to open upon an increase in the deaerating chamber pressure above the heating chamber pressure.

2,277,369

FRONT WHEEL DRIVE MECHANISM

Richard A. Schultz, Roseville, Carl L. Schultz, Grosse Pointe Park, and Alphonse F. De Vriendt, Detroit, Mich., assignors, by mesne assignments, to Friend Motor Company, St. Clair Shores, Mich., a corporation of Michigan

Application August 10, 1939, Serial No. 289,430
13 Claims. (Cl. 180—43)



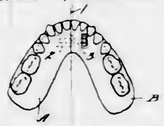
1. In a front wheel drive assembly, a housing comprising a pair of complementary relatively movable housing structures provided with aligned king pin bores, a king pin constructed to hinge said housing structures together, gearing supported within said housing and including an idler gear rotatably supported by said king pin, and permanent pilot means carried integrally by only one of said housing structures concentric with respect to said king pin bore for aligning said idler gear with said king pin.

2,277,370

BISECTIONAL LOWER DENTURE

Harry J. Sheedy, Scranton, Pa.

Application July 21, 1939, Serial No. 285,694
1 Claim. (Cl. 32—2)



A lower denture divided along a plane extending medially of the denture so as to provide a pair of complementary half sections each comprising a side and front portion of the denture, said sections being provided with vertical opposed flat faces substantially in abutting contact, a screw-threaded socket embedded within one of said sections and opening through one of said flat faces and a screw extending perpendicularly outward from the other of said flat faces and adapted to engage the socket in the other section, the sections being connected solely by the screw-and-socket joint whereby the sections are positively retained in assembly while permitting free and independent angular movement between the sections about the axis of the screw.

2,277,371

SUNGLASS CASE

Glenn W. Simpson, Rochester, N. Y.

Application November 1, 1940, Serial No. 363,923
2 Claims. (Cl. 206—5)

1. A case of the glass described including a rear wall having a closure flap foldable over the front of the case, and a front wall provided at its end portions with slits, a fastening device for securing the closure flap in closed position and over the temples or bows when the same are folded and the glasses are arranged on the exterior of the case for displaying the same with the ends of the bows or temples arranged in said slits, and a loop member looped around the folded



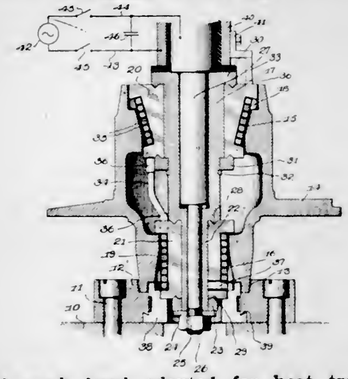
bows and having terminal portions engaged by the fastening device for securing the closure flap in its closed position.

2,277,372

APPARATUS FOR HEAT-TREATING TANDEM BEARINGS

Howard E. Somes, Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

Application July 1, 1938, Serial No. 216,931
10 Claims. (Cl. 219—13)



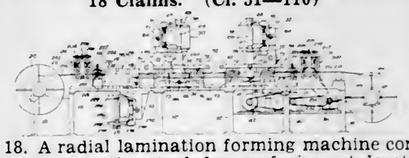
8. A work head adapted for heat treating spaced surfaces on a workpiece by electromagnetic induction and comprising a support, a plurality of inducing coils, the leading one of which is cylindrical and the trailing one conical, said coils having approximately the same spaced relation on said support as said surfaces to be treated have upon the workpiece, a core for each coil independent of the other and providing a flux path independent of the other core and coil, and means connecting said coils to a source of high frequency current.

2,277,373

GRINDING MACHINE

Howard E. Somes, Grosse Pointe Park, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

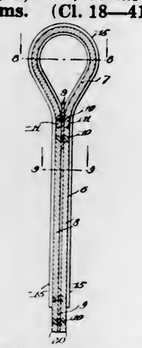
Application April 8, 1939, Serial No. 266,912
18 Claims. (Cl. 51—110)



18. A radial lamination forming machine comprising a cutting tool for surfacing at least a substantial part of one face of the work, means to support the work against the thrust of the tool while the work is in cooperation with said tool, a holder for said tool, said holder and said work supporting means having a pivotal connection therebetween, said pivotal connection having its axis passing through the intersection of

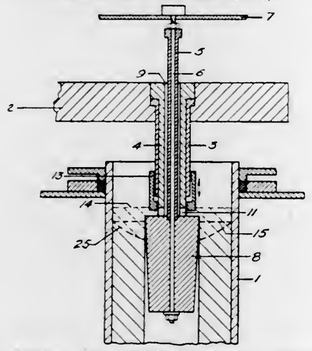
a prolongation of the contact between the tool and work with the prolongation of the portion of the work surface which is directly opposite that being cut, and means whereby the separation of the axis of said pivotal connection from the work may be changed to adjust the radius of the work.

2,277,374
FORM FOR DEPOSITED RUBBER ARTICLES
Abraham N. Spánel, Dover, Del.
Application May 3, 1939, Serial No. 271,566
7 Claims. (Cl. 18—41)



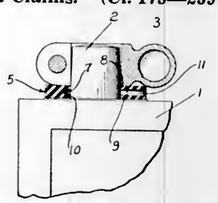
1. A form on which articles may be made by depositing liquid latex or the like thereon, comprising a panel including a pair of superposed sheet members, a border made of sheet material of substantially the same thickness as said sheet members, said border including a section rounded in cross-section and terminating in edge portions, and means for securing the border to the panel with said edge portions of the border abutting the edges of said sheet members whereby the surfaces of said panel merge smoothly with the outer surface of the border certain of the abutting edges of said sheet members and said border being beveled to provide a recess, and means filling said recess flush with the surface of the sheet members and border.

2,277,375
CONTINUOUS CASTING OF METAL TUBES
Manuel Tama, Trenton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1941, Serial No. 387,010
In Germany April 8, 1940
5 Claims. (Cl. 22—57.2)



1. A device for continuously casting metal tubes comprising a mold, a mandrel within said mold forming an annular space between the two, a centrally located supply pipe for conducting molten metal to said annular space and means for regulating the flow and for uniformly distributing molten metal from said supply pipe substantially only against the wall of said mold.

2,277,376
BATTERY POST PROTECTOR
John F. Vakula, Dearborn, Mich.
Application April 18, 1940, Serial No. 330,389
2 Claims. (Cl. 173—259)



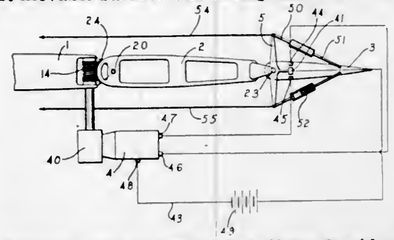
2. As a new article of manufacture, a battery post protector comprising a substantially circular disk of non-metallic material having flat upper and lower faces and provided with a central opening adapted to receive the terminal post of a battery, the disk at said opening being cut away to form an annular groove adapted to receive acid-resisting material and defining upper and lower lips of different lengths one of which is adapted to fit tightly around the terminal post and the other spaced therefrom, and a feed duct intersecting the groove and having its outer end opening at the periphery of the disk.

2,277,377
ABSORBING AGENT
Joshua B. Warner, Chattanooga, Tenn.
Application April 4, 1939, Serial No. 265,971
6 Claims. (Cl. 299—20)

1. An absorbent structure including in combination a body of absorbing material of the order of clay that swells when in contact with a liquid to an extent which retards the spreading of the liquid throughout the body; and a liquid conductor means; said means including a member that will convey said liquid through its interior; said member extending from a portion of said body which may be swelled to another portion thereof and being so associated with said material as to disperse said liquid therethrough so that even though a portion of said material which may be in contact with said liquid swells to said extent, additional liquid may be distributed by said member to other portions of the body of said material whereby a more complete saturation of the body of absorbing material may be had.

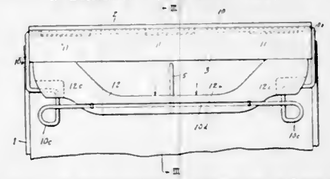
2,277,378
POWER MEANS FOR OPERATING AIRCRAFT CONTROL SURFACES
Edward C. Wells, Seattle, Wash., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application July 30, 1938, Serial No. 222,224
33 Claims. (Cl. 244—83)

28. In an aircraft having a fixed surface, a movable surface hinged to said fixed surface and a second movable surface hinged to said first movable surface, control mechanism for moving said second movable surface with respect to said first movable surface out of alignment therewith,



and means, responsive to operation of said control mechanism such as to produce disalignment of the said movable surfaces, to move said first movable surface towards alignment with said second movable surface.

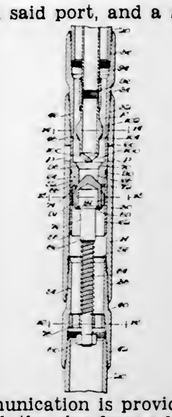
2,277,379
LATCH-ON COVER FOR BOXES
Barkley B. Wilson, Portland, Oreg.
Application April 30, 1941, Serial No. 391,105
3 Claims. (Cl. 292—246)



3. A latch for latching a cover on a box having a cleat across the end at the top, comprising a stirrup-like spring bail formed with two parallel reaches, one reach hingedly attached to the under side of the cover near its end and end portions of the bail so formed that the other reach normally lies across the end of the box below the cleat, and a lock member for lockingly engaging the cleat by being sprung thereunder from the top, inwardly, the said lock member hingedly attached to the last named reach of the bail in such manner that the edge thereof opposite the locking edge lies between the reach on one side and the end portions of the bail on the other side.

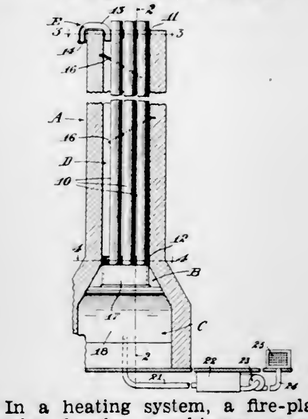
2,277,380
APPARATUS FOR PRODUCING WELLS
John R. Yancey, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation of Texas
Application November 30, 1939, Serial No. 306,984
16 Claims. (Cl. 166—2)

1. Apparatus for establishing closed conduits of communication with different stratums of a well, comprising a tubular housing adapted for attachment in a tubing to be lowered into the well thereby to the level of an upper stratum, said housing having a port through its wall and a valve member for closing said port, said valve member being constructed and arranged to be moved by a smaller pipe lowered into the tubing to open said port, and means carried by said valve member for forming a seal between the open end of the pipe and the inner wall of said housing below said port, whereby a closed conduit of communication is established extending upwardly through the tubing from the upper stratum through said port, and a second closed



conduit of communication is provided extending upwardly through the pipe from a lower stratum.

2,277,381
HEATING SYSTEM
Murray J. Black, Los Angeles, Calif.
Application June 10, 1940, Serial No. 339,737
4 Claims. (Cl. 237—51)

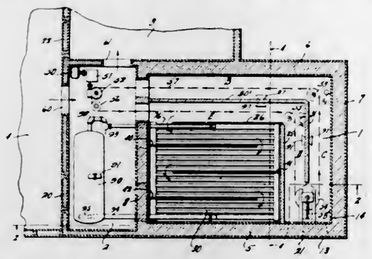


2. In a heating system, a fire-place having a smoke chamber, a chimney, a seal at the upper and lower ends of said chimney converting the latter into an air passage, an inverted U-shaped air inlet pipe extending through the seal at the upper end of said chimney and opening to said passage, means for discharging air from the lower end of said passage, means for conveying hot gases from said smoke chamber upwardly through said passage apart from air in the latter adapted to radiate heat into said passage, and means in said fire-place for superheating air delivered from said passage.

2,277,382
APPARATUS FOR QUICK FREEZING FOOD PRODUCTS
Otto C. Botz, Jefferson City, Mo.
Application December 1, 1937, Serial No. 177,565
4 Claims. (Cl. 62—102)

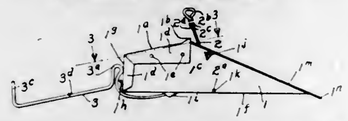
1. A refrigerating apparatus comprising a refrigeration unit, a refrigeration chamber; means to divide the chamber into a series of narrow, elongated passageways, a conveyor system ex-

tending through the passageways and adapted to transport products to be refrigerated therethrough; means to force air in a cyclic stream in heat exchange relationship with the refrigeration unit



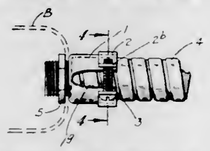
and thence through the said passageways and in a counter-current direction to the movement of the conveyor throughout the passageways.

2,277,383
DUSTPAN
Claude E. Bowers, Los Angeles, Calif.
Application September 2, 1939, Serial No. 293,218
4 Claims. (Cl. 65—20)



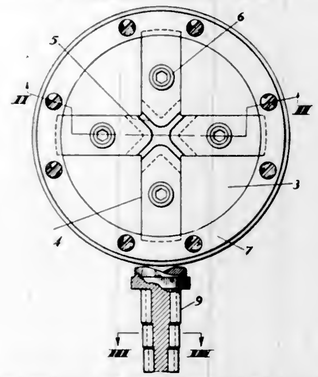
1. In a dust pan of the class described, a pan member provided with a cover at its back side and with a pair of integral detents on its lower side with facing open ends and provided with an elongated integral detent at its back side and a rod like foot rest member provided with right angular turned ends adapted to fit into said detents at the bottom of said pan and provided with upwardly turned loop portions adapted to spring over the elongated detent on the back of said pan.

2,277,384
ELECTRIC CABLE CONNECTOR MEANS
Claude E. Bowers, Los Angeles, Calif.
Application June 27, 1939, Serial No. 281,394
3 Claims. (Cl. 285—6.5)



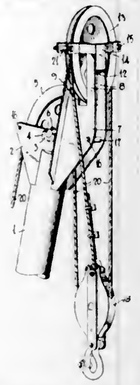
1. In an electric cable connector means of the class described, the combination of a tube receiving member including a threaded fixed flange portion integral therewith at one end and forming a shoulder forming a stop for said tube and a plurality of curved in cross section readily yieldable members extending at right angles thereto parallel with the axis of said sleeve member integral therewith and in widely spaced relation with each other from said shoulder to the extended end providing a plurality of wide spaces from the ends of said curved in cross section members to said shoulder whereby the position of the end of said tube in said cross section members may be readily determined.

2,277,385
METHOD OF PRODUCTION OF VALVE HANDLES
Frank G. Brotz, Kohler, Wis.
Application April 1, 1940, Serial No. 327,211
2 Claims. (Cl. 29—161)



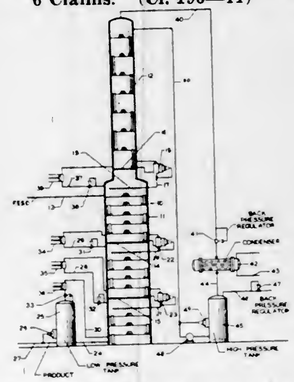
1. The method of producing valve handles consisting of forming a suitable metal into a blank having substantially flat parallel upper and lower surfaces and connecting vertical surfaces, forming a substantial portion of said vertical surfaces into splines extending between said flat surfaces, buffing and polishing only the unsplined surfaces and then plating both the splined and unsplined surfaces.

2,277,386
MASTHEAD
Gerald G. Brown, Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans.
Application July 22, 1940, Serial No. 346,821
5 Claims. (Cl. 254—139)



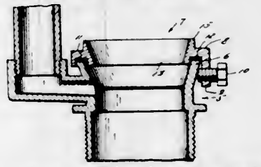
5. A hoist comprising: a mast; pulley-supporting means mounted upon the upper end of said mast; a shaft carried by said supporting means above the end of said mast; a pulley mounted upon said shaft; a second shaft carried by said supporting means and extending in a direction substantially transverse to said first shaft at a height above said first shaft and being inclined in a direction downwardly toward the longitudinal axis of said mast; a second pulley carried by said second shaft; and a pulley block and a line, one end of said line being fastened to said pulley block and said line passing over said second pulley, through the said pulley block and then over said first pulley.

2,277,387
METHOD FOR SEPARATING VAPORS AND LIQUIDS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 31, 1939, Serial No. 265,357
6 Claims. (Cl. 196—11)



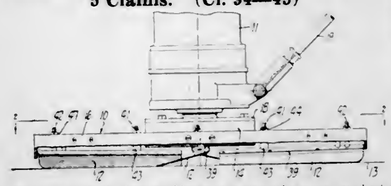
1. A method of separating dissolved gases and volatile vapors from liquid feedstock containing hydrocarbons boiling within the boiling point range of gasoline comprising passing the feedstock into a first liquid-gas contact zone, passing the liquid effluent of the first contact zone through a plurality of liquid-gas contact zones of decreasing pressures the pressure of the final contact zone being greater than one atmosphere, passing the vaporous effluent of each contact zone to the next higher pressure contact zone, passing the vaporous effluent of the first contact zone to a higher pressure zone to rectify the same and passing liquid effluent of the rectifying step to the first contact zone.

2,277,388
QUICK DETACHABLE FLUSH VALVE SEAT
Lloyd I. Clark, San Jose, Calif.
Application April 12, 1941, Serial No. 388,330
1 Claim. (Cl. 4—57)



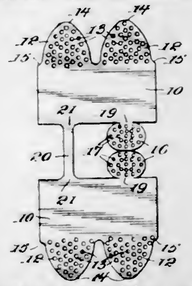
In a flush valve seat having an upwardly flaring upper end, a detachable seat comprising an annular member having a wide base part formed with an annular groove in its lower face, for receiving the upper end of the flaring part of the first seat forming part, the inner periphery of the annular member sloping downwardly and inwardly to form a valve receiving seat, lugs depending from the outer portion of the base part and having transversely arranged threaded holes therein and screws passing through the holes and engaging the outer circumference of the flaring part of the first seat for holding the second seat on the first seat, and a gasket in the groove.

2,277,389
CEMENT TROWELING APPARATUS
Roy A. Conway, Inglewood, Calif., assignor to Steelform Contracting Company, San Francisco, Calif., a corporation of California
Application August 30, 1940, Serial No. 354,790
5 Claims. (Cl. 94—45)



1. In cement troweling apparatus, a rotatable structure including a central hub, a plurality of shafts journaled by the structure and extending outwardly from the hub, blades mounted upon said shafts and arranged so that corresponding edges of the blades may operate upon a common horizontal surface to be troweled, gears secured to the inner ends of said shafts, a ring gear within the hub and engaging said first named gears, and means for rotating said ring gear to adjust the angular setting of said ring gear with respect to the hub, whereby the inclination of each of said blades is varied.

2,277,390
NASAL INHALER
José E. Crespo, New York, N. Y.
Application March 19, 1941, Serial No. 384,177
1 Claim. (Cl. 128—148)

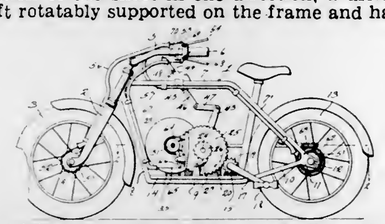


A nasal inhaler comprising spaced longitudinally split tubular members terminating at the upper ends in respective conical perforated extensions, said conical extensions being rounded at the tips and having the base portions thereof offset so that the upper ends of the tubular members are of greater diameter than the lower portions of the conical extensions, a U-shaped nose piece connecting the tubular members at the lower ends, and perforated disks closing the lower ends of the tubular members having hinges forming points of connection with the tubular members at an angular advance of about 180 degrees from the points of connection of the nose piece with the tubular members so that the nose piece may be deformed in shape to fit various sizes of noses without damage to the hinges.

2,277,391
BICYCLE DRIVING MECHANISM
James H. Crumble, Brooklyn, N. Y.
Application August 7, 1941, Serial No. 405,878
6 Claims. (Cl. 280—215)

1. A driving mechanism for a wheeled structure having a frame and supporting wheels, com-

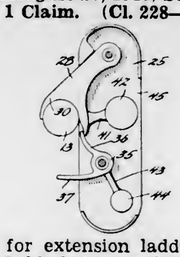
prising a spring operated motor, a shaft rotatably supported adjacent the motor, means supporting said shaft and motor upon the frame, foot pedal means for rotating the shaft, a driving connection between the shaft and the motor for effecting the winding up of the motor upon rotation of the shaft in one direction, a driving shaft rotatably supported on the frame and having driving connection at one end with a wheel, a driving gear connection between the motor and the driving shaft, and a change speed means forming a part of the driving connection between the driving shaft and motor for facilitating increasing or decreasing the speed of operation of the driving shaft by the motor.



2,277,392

LADDER LOCK

Arnold E. Dahlberg, New Bedford, Mass.
Application August 20, 1940, Serial No. 353,424
1 Claim. (Cl. 228—66)



In a lock for extension ladders having relatively displaceable ladder sections, the combination with a support for attachment to one of said ladder sections, of a hook member pivotally mounted on said support for swinging movement into locking engagement with the rungs of the other of said ladder sections to maintain said sections in extended relation, said hook member being formed to provide a hook portion comprising rung-embracing arms, said arms extending in a direction away from the fulcrum of said hook member, whereby on the application of force tending to collapse said ladder sections said hook portion and the engaged rung tend to swing outwardly of said support, means on said support for engaging and limiting outward movement of said hook member, a latch member pivotally mounted on said support and having two arms arranged for successive engagement with the respective rung-embracing arms of said hook member to displace the latter out of rung-engaging position, the pivotal axes of said hook and latch members being disposed longitudinally of said sections at opposite sides of the hook portion of said hook member, and means normally retaining said hook member in rung-engaging position and said latch member in a position such that one of the arms thereof extends into the path of displacement of the rungs and the other arm thereof engages one of the rung-embracing arms of said hook member, said last named means including a weighted portion on each of said members.

2,277,393

NONREACTIVE PIGMENT

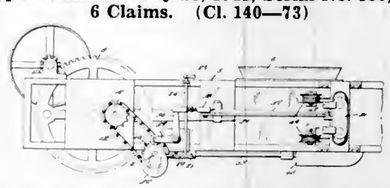
Harlan A. Depew, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application May 29, 1939, Serial No. 276,455
2 Claims. (Cl. 106—296)

1. A process of coating zinc oxide pigment which consists in applying to separate individual particles of the pigment a plurality of ingredients capable of reacting with each other to produce a synthetic resin and causing said ingredients to react in situ with each other while on the separate particles and produce thin separate coating films of a synthetic resin on the individual particles.

2,277,394

WIRE TYING DEVICE FOR HAY BALERS

Lawrence G. Everhart, Glenn H. Everhart, and Walter D. Everhart, Winston-Salem, N. C.
Application February 25, 1941, Serial No. 380,538
6 Claims. (Cl. 140—73)

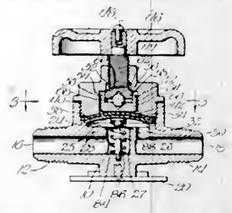


1. In a wire tying device for hay balers, a mounting having a slot in one edge, a twisting member journaled in said mounting at the inner end of the slot and having a bore of different diameters opening outwardly through one side thereof to register with the slot to receive wires, and a drive mechanism for the twisting member and including an overrunning clutch and latch mechanism for rotating the twisting member a predetermined number of revolutions and stopping said twisting member with the slot of the bore in registration with the slot of the mounting.

2,277,395

DIAPHRAGM VALVE

George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1940, Serial No. 327,232
2 Claims. (Cl. 251—24)

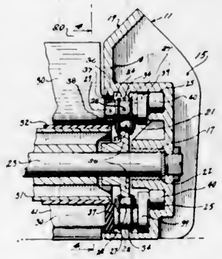


1. A diaphragm valve comprising a body having a cylindrical chamber and a flat bottom therefor, an annular valve seat concentrically positioned in the plane of said bottom, inlet and outlet passages to the chamber, an annular shoulder in the chamber surrounding said valve seat and located in a plane parallel to and spaced from the plane of said valve seat, a relatively thick resilient diaphragm on said shoulder having the center thereof concave relative to the valve seat and normally springing away from the seat to maintain the valve open, a bonnet threadably secured in said chamber pressing against the edge of the diaphragm to seal it in position against the shoulder, said bonnet having a central recess, means forming an annular corner at the bottom of the recess, a threaded passage through the bonnet and a valve actuating device comprising a threaded stem in the passage having a handle, a tapered face adapted to backseat in full open position of the valve against the annular corner, a depression at the inner end of the stem, a ball thrust bearing in the depression and a foot piece having a complementary bearing depression and sides surrounding said inner end of the stem and a relatively flat face normally in contact with the diaphragm for pressing said diaphragm into closed position against the valve seat when thrust inward by rotation of the valve stem.

2,277,396

AUTOMATIC SELF-LOADING CONVEYER

Joseph A. Gabriel, Cleveland, Ohio
Application December 19, 1940, Serial No. 370,871
7 Claims. (Cl. 198—11)



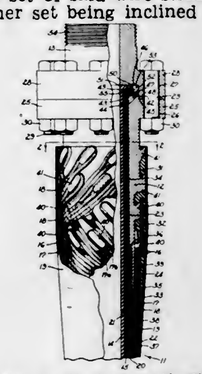
1. A conveyer of the character described comprising a frame having side members constructed to form a channel therebetween and having rollers mounted at respective ends thereof, a supported endless belt engaged around the rollers, the side members having channels therein conforming to the path of the belt, an endless chain element mounted in said channel, sprocket mounting for the chain, said chain having a plurality of transverse bearings, shaft elements mounted in the chains at each side of the machine, blade elements on the shafts extending in close relation to the belt outwardly and rockable on said shaft elements from positions close to the belt to extended position, said shaft elements having crank arms at their outer parts, cam channels formed in the side members, and wipers on the crank engaged in said cam channels, for the purposes described.

2,277,397

HOSE AND HOSE CONNECTOR CONSTRUCTION

Adelbert M. Graham, Beverly Hills, Calif., assignor to Walter G. L. Smith, Los Angeles, Calif.
Application January 15, 1940, Serial No. 313,915
3 Claims. (Cl. 285—8)

1. In a hose structure, the combination of: a flexible hose having embedded therein a set of wire strands extending in a leftward spiral from end to end thereof to form a cylindrical reinforcing layer, and another set of wire strands extending in a rightward spiral from end to end thereof to form a cylindrical reinforcing layer of a different diameter; a metallic coupling member at one end of the hose; and two sets of lugs formed on said member, the lugs of one set being inclined to the hose axis with respect to their longitudinal lines to correspond to the direction of wrap of one set of said wire strands, and the lugs of the other set being inclined to the hose

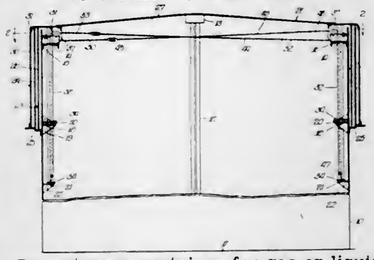


axis with respect to their longitudinal lines to correspond to the direction of wrap of the other set of wire strands, the strands of each set being arranged in pairs, the two strands of each pair being joined by an integrally connected loop disposed about a corresponding one of said lugs.

2,277,398

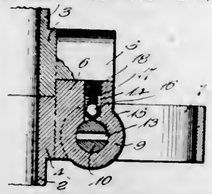
EXPANSION ROOF FOR FLUID STORAGE TANKS

Philip S. Graver, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa., a corporation of Delaware
Application October 5, 1939, Serial No. 298,009
13 Claims. (Cl. 48—176)



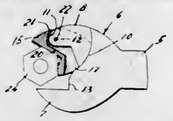
1. In a storage container for gas or liquid, in combination, an open top tank arranged to provide a body of sealing liquid, a holder bell providing a roof for said tank and movable with respect thereto to vary the vapor space within the tank, said holder bell having a depending peripheral skirt located within the sealing liquid so as to confine vapors within the tank, a plurality of posts fixed to the roof at spaced points circumferentially of the same and depending within said tank, rollers supported from side wall of the tank and having contact with each post, respectively, for guiding the same during said vertical movement, flexible cables secured at their respective ends to substantially diametrically spaced points on the holder bell and movable with respect to the tank for guiding and controlling the holder bell during its up and down movement, and sheaves adapted to engage the cables at intermediate points, each sheave having one of said rollers associated therewith and also having contact with its respective depending post.

2,277,399
PIPE COUPLING
Irvine Groff, Preston, Ontario, Canada, assignor of one-half to Louisa S. Groff, Baden, Ontario, Canada
Application December 12, 1940, Serial No. 369,894
In Canada December 26, 1939
2 Claims. (Cl. 285—172)



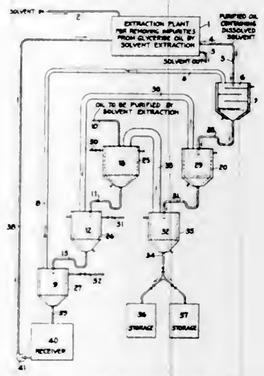
1. In a pipe coupling, a pipe section having a collar at its end, a second pipe section having a collar at its end disposed in end to end engagement with the first collar, lugs extending radially from the first collar and having portions extending longitudinally therefrom overlapping the outer side edge face of the second collar to prevent movement of the collars transversely of each other, lugs extending radially from the second collar in spaced relation to the outer end thereof for face to face engagement with front ends of the first lugs, and yokes pivotally carried by the lugs of one collar for movement into and out of position to engage about companion lugs of the other collar and hold the collars in abutting engagement with each other.

2,277,400
WRENCH
Louis E. Hewitt and Truman V. Ellis, Belding, Mich.
Application October 16, 1940, Serial No. 361,455
1 Claim. (Cl. 81—111)



A wrench including a handle, a fixed jaw at one end of said handle, said jaw having an inner gripping face and an outer gripping face each face being in a plane substantially at right angles to the other, a second inner gripping face on said fixed jaw being in a plane substantially at an angle to said first-named inner gripping face and said outer gripping face, a reduced portion on said handle to provide a fixed arm opposed to said fixed jaw, said fixed arm having an opening therethrough and further having its outer end surface in an arc substantially concentric with the opening, one side edge of said arm terminating in spaced relation to said second inner gripping jaw, a swingable jaw having an opening therethrough, a pin extending through said openings to pivotally secure the movable jaw on said arm, said swingable jaw being gouged to provide cheek plates on opposite sides of said fixed arm, a web between said cheek plates, one side surface of said web providing an outer gripping face and an inner gripping face on said swingable jaw each being in a plane substantially at right angles to the other, and a second inner gripping face on said web in a plane substantially at an angle to both the outer and first-named inner faces on said swingable jaw and intersecting said first-named second inner face on said fixed jaw to provide a notch midway between said fixed and swingable jaws.

2,277,401
SOLVENT RECOVERY
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application March 12, 1940, Serial No. 323,601
4 Claims. (Cl. 260—428)



1. The method of recovering a solvent from vegetable and animal oils in which it is dissolved, which comprises in combination heating the oil containing the dissolved solvent while under vacuum to cause vaporization of the solvent and absorbing these vapors in the oil which is likewise under vacuum and which is at a substantially lower temperature than that at which the oil containing the solvent is heated and then subjecting the oil in which these vapors are adsorbed to solvent extraction with the same solvent.

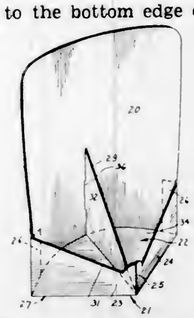
2,277,402
BELT CONVEYER
Henri Hoeck, Gand, Belgium
Application April 17, 1940, Serial No. 330,216
In Belgium April 17, 1939
2 Claims. (Cl. 198—192)
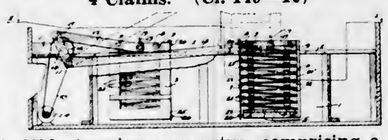


1. A belt conveyer comprising a belt, flexible rubber rollers on which said belt runs, a ball bearing cup anchored in each end of each of the rollers, a ball bearing in said ball bearing cup, and means for hanging said ball bearing, for movement of the roller ends in a plane perpendicular to the running direction of the belt under the action of the load carried by said belt.

2,277,403
COLLAPSIBLE CARDBOARD BASKET
John V. Horr, Hastings on Hudson, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application May 9, 1941, Serial No. 392,622
11 Claims. (Cl. 206—44)

1. In a collapsible cardboard basket, the combination with front and back sections, of a bottom section formed of a flat sheet and comprising hinged areas adapted to form complementary floor portions and at least one intermediate pleat when the basket is set up, said bottom section being hinged to the bottom edge of one of said front and back sections, and said pleat extending in a general front-to-back direction.



2,277,404
HIDE TANNING APPARATUS
Charles Kannel, East Stroudsburg, Pa.
Application July 16, 1940, Serial No. 345,821
4 Claims. (Cl. 149—10)



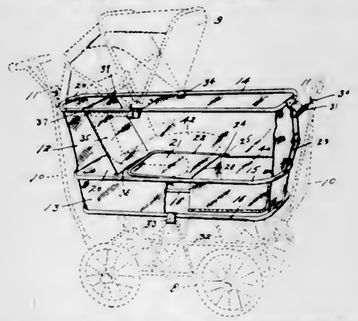
1. Hide tanning apparatus, comprising a vat, a rack movably mounted therein, one side of said rack being normally open to receive hide-carrying frames in superposed prone position therein, said rack having means to support the hide-carrying frames in said prone position, supporting wheels connected to the rack for suspending the latter in the vat, rails for said wheels, means for shifting the rack to and fro in the vat, and means displaceably mounted on the rack in obstructing relation to the open side of the rack for preventing displacement of the frames from the rack during movement of the latter.

2,277,405
REGISTER METHOD AND APPARATUS
Kenneth G. McKiernan, Chicago, Ill.
Application September 9, 1938, Serial No. 229,097
6 Claims. (Cl. 101—171)



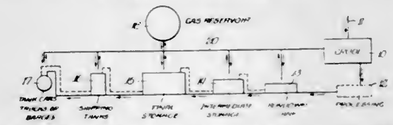
3. The registering method for the purpose described, comprising supporting a plurality of register pins in accurate positions in a chase comprising part of a form, forming opens corresponding to the positions of said pins in a proof sheet, printing a proof of said first form while holding said proof sheet in position with said pins projecting through said openings, supporting said pins in an identical position on a second form, securing said proof sheet on the second form with the said register pins projecting through said openings in the proof sheet, and adjusting the position of plates and the like on said second form in accordance with the position of the printed proof on said proof sheet.

2,277,406
BASSINET AND FOOT WELL
Julius A. Mahr, Minneapolis, Minn., assignor to Inventors Patent Holding Company, Minneapolis, Minn., a corporation of South Dakota
Application February 12, 1940, Serial No. 318,487
4 Claims. (Cl. 296—1)



1. A bassinet body having a fabric bottom comprising a fixed rear section and a removable front section, a U-shaped frame in which the front bottom section is secured, and a foot well under the front bottom section, said frame being pivoted to the body at the rear wall of the foot well for upwardly and rearwardly swinging movement into an open position on the rear bottom section to afford a seat reinforcing the rear bottom member.

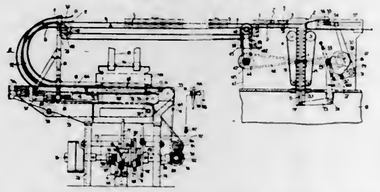
2,277,407
CLOSED VAPOR SYSTEM FOR TANKS CONTAINING VOLATILE LIQUIDS
Charles L. Marner, East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa., a corporation of Delaware
Application February 16, 1939, Serial No. 256,828
4 Claims. (Cl. 220—85)



1. In apparatus for conserving volatile liquids such as gasoline and the like during the handling of the same from the processing plant to the transporting of the finished product, in combination, a plurality of tanks for said liquid, a breather reservoir, a vapor line connecting the vapor space of certain of said tanks with said breather reservoir, a pressure relief valve on said vapor line operative to discharge vapors when a predetermined maximum pressure exists in said line, a conduit in association with said relief valve for conducting the expelled vapors to the recovery system of the processing plant, a regulator in association with said conduit for maintaining a uniform sub-atmospheric pressure on said relief valve, a second conduit connecting the recovery system with said vapor line and operative to de-

liver a gas thereto, a normally closed valve at the terminal end of said second conduit constructed and arranged to open when a predetermined vacuum exists in the vapor line, and a regulator in association with said second conduit for maintaining a uniform gas pressure on said normally closed valve.

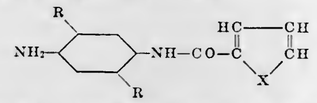
2,277,408
WRAPPING, PARCELING, OR BOXING MACHINE
Desmond Walter Molins and Arthur Bingham, Deptford, London, England, assignors to Molins Machine Company Limited, Deptford, London, England
Application October 19, 1940, Serial No. 361,952
In Great Britain October 25, 1939
5 Claims. (Cl. 93—2)



1. In a parceling machine, a pair of side by side inspection-conveyors to receive articles from a source of supply, a pair of converging and overlapping conveyors to receive articles from said inspection conveyors and to assemble the articles in superimposed relationship, and means interposed between the inspection conveyors and the converging conveyors to rotate the articles through 180°.

2,277,409
CHEMICAL COMPOSITION
Humphrey Desmond Murray, London, England, assignor to Norton & Gregory Limited, London, England, a British company
No Drawing. Application July 31, 1940, Serial No. 349,006. In Great Britain August 3, 1939
9 Claims. (Cl. 95—7)

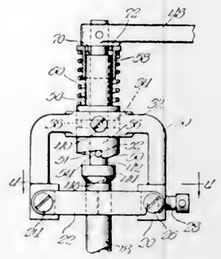
1. A light-sensitive layer for diazo-type printing which contains a diazo compound of an amine of the general formula.



in which X represents an atom selected from the group consisting of oxygen, sulphur and nitrogen and R represents a radical selected from the group consisting of hydrogen and alkoxy.

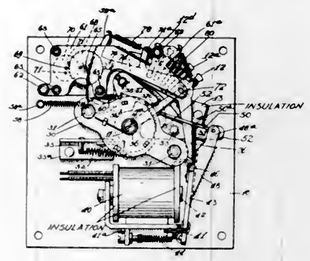
2,277,410
FLARING TOOL
Frank Neukirch, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1940, Serial No. 312,981
5 Claims. (Cl. 153—81)

1. A forming tool for tubing comprising a tube holder having a recess therein for tubing, a yoke engaging said holder in a position overlying the tube recess and having an aperture therein in axial alignment with the tube, and a device in said aperture operable to flare the tube, said device comprising a first element having a rotatable mounting on said yoke and secured against endwise movement relative thereto, a second element having an axis of rotation in alignment with the tube recess and rotatably secured to and shiftable endwise relative to the first element, said second element having a tube forming die at the end adjacent the tube recess and a handle at the other end, a cam face on one end of the first element, a corresponding cam member on said second element adapted to slide on said cam face when said second element is rotated, an en-



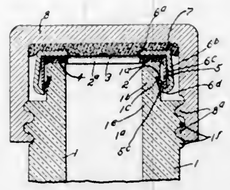
gaging member on one of said elements and a second engaging member on the other element positioned normally at an angular distance of less than 360 degrees from the first engaging member, said second element and the die having a combined rotational and axial movement during passage of said cam member over said cam face and a rotational movement only when engagement of said engaging members takes place for polishing the formed portion of said tube.

2,277,411
STEP-UP SWITCH
Thedore Obszarny, Chicago, Ill., assignor to Guardian Electric Mfg. Co., Chicago, Ill., a corporation of Illinois
Application December 22, 1938, Serial No. 247,207
8 Claims. (Cl. 74—150)



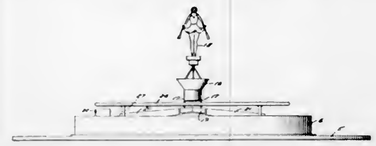
1. In a step-by-step positioning device, a primary ratchet wheel and a secondary ratchet wheel, said rttchet wheels being mounted for rotation independently of each other, a reciprocating pawl for driving said ratchet wheels and adapted upon one or more of a predetermined number of actuations for rotating the primary ratchet wheel in step-by-step adjustment, and means associated with and movable by the primary ratchet wheel into the path of travel of the driving pawl after said predetermined number of actuations to preclude further movement of the primary ratchet wheel by said pawl, whereby further actuation of said driving pawl rotates the secondary ratchet wheel in step-by-step adjustment.

2,277,412
NONRESEALABLE BOTTLE AND CLOSURE MEANS
Paul E. Oliver, San Diego, Calif.
Application February 13, 1939, Serial No. 256,133
6 Claims. (Cl. 215—38)



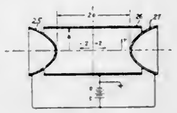
3. In a non-resealable bottle and closure means of the class described, the combination with a bottle neck provided with an annular external ledge portion, of a locking clip including an annularly split member provided with slots in its one side edge toward the end of said bottle neck and provided with an inwardly and angularly turned portion disposed toward the end of said bottle neck and divided into a plurality of separate lug portions engaging said ledge portion of said bottle neck, and a cup-shaped cap member provided with an opening therein in the end of said bottle neck and positioned over the outer side of said locking clip, said cap member provided with an annular inwardly disposed portion arranged to engage said locking clip at said angularly turned portion thereof in opposed relation to said ledge portion of said bottle neck.

2,277,413
GAME APPARATUS
Herman Peterson, Ridgway, Colo.
Application April 15, 1941, Serial No. 388,668
1 Claim. (Cl. 273—120)



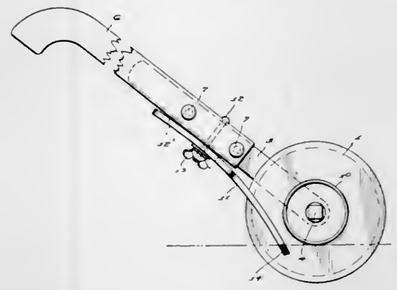
In a game apparatus, a base, an annular member on said base forming a vertical wall and having an internal central ledge extending around the same in inwardly and upwardly inclined position and forming with the upper portion of said member a circular trough spaced above said base, vertical partitions in said trough spaced around the same, a conical turntable rotatably mounted on said base within the confines of said ledge in edge-to-edge relation thereto and for deflecting under rotation thereof small player pieces deposited thereon into said trough between the different partitions, a ball hopper mounted on the center of the table above the same for depositing player pieces on the table, a plurality of traps on said table spaced around the edge thereof for trapping player pieces before they reach the trough, and arcuate baffle cleats on said table intermediate contiguous traps, respectively, and having ends spaced from the traps to permit the player pieces to escape between said traps and said cleats into said trough, said cleats being constructed and arranged to direct the player pieces toward the traps.

2,277,414
ELECTRON LENS
Simon Ramo, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 2, 1941, Serial No. 400,809
7 Claims. (Cl. 250—162)



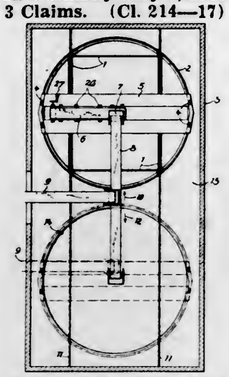
1. An electron lens comprising a first electrode having a generally cylindrical opening therethrough and a pair of complementary electrodes on opposite sides of the first electrode and having relatively small openings in alignment with the opening in said first electrode, said complementary electrodes each presenting to said first electrode a convex surface of revolution in the form of a quasi-spherical section which is symmetrical about a line directed through said openings, whereby spherical aberration of said lens is minimized.

2,277,415
LAWN EDGER
John A. Ruppert, Jr., Riverton, N. J.
Application March 26, 1940, Serial No. 326,077
1 Claim. (Cl. 97—227)



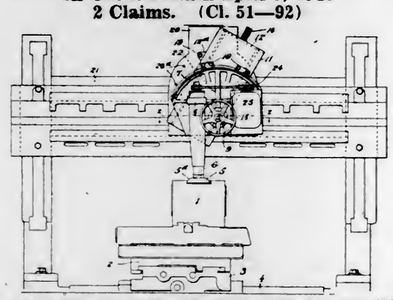
A lawn edging implement comprising a handle-bar, an edging disc rotatably mounted on one end of said bar to be shoved by the latter over the lawn alongside a walk and thereby cut a groove in the lawn along an edge of said walk, a roller fast on said disc concentrically thereof to travel over the walk and support the disc for cutting at a uniform depth, and a flat edging blade extending downwardly and forwardly from said handle-bar partway across one face of the disc in edgewise scraping relation to said face and having a lower plow end laterally beveled to a point for digging said groove wider at the top thereof alongside the walk and fitting against a beveled edge of said walk, said plow point being disposed in the rear of the axis of the disc and roller whereby said blade may be raised and lowered under corresponding movement of said handle-bar about the axis of the disc to cause the plow end to dig at different depths while the disc is cutting at a uniform depth, said blade being forwardly bowed to obviate picking up grass and dirt.

2,277,416
CHARGING DEVICE FOR STORAGE BUNKERS
Theodor Rütten, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 19, 1940, Serial No. 330,493
In Germany May 4, 1939
3 Claims. (Cl. 214—17)



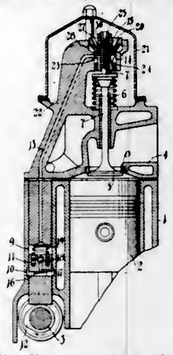
1. A charging apparatus for storage bunkers to be charged with lumpy or granular material, said charging apparatus comprising a discharge conveyor arranged above the bunker so as to be rotatable around a vertical axis and also operable during said rotary movement to advance the material for discharge radially of the axis of rotation, said conveyor being mounted on a carriage and said carriage being mounted on waymeans therefor for traveling of the carriage horizontally over the bunker area to be filled in direction laterally of the vertical axis of rotation of said carriage, a feed conveyor arranged above said discharge conveyor and operable to feed the material thereto and lying in the vertical plane of the lateral movement of the vertical axis around which the discharge conveyor rotates, and means for charging the material to be treated onto said feed conveyor.

2,277,417
GRINDING OR ABRADING MACHINE
Arthur Scrivener, Birmingham, England
Application June 9, 1941, Serial No. 397,201
In Great Britain April 8, 1940
2 Claims. (Cl. 51—92)



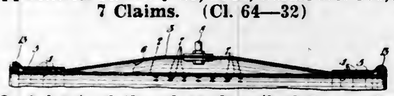
2. A grinding or abrading machine comprising, in combination, a crosshead having a jockey traversably mounted thereon, a slideway mounted on the jockey and capable of arcuate motion and setting in various angular positions on the jockey, a slide mounted on the slideway and capable of longitudinal adjustment and setting thereon, a support mounted on the slide and capable of arcuate motion and setting in various angular positions on the slide, and a rotary grinding member journaled on said support, whereby the peripheral grinding face of said member may be aligned with the surface to be ground so as to generate a finished surface parallel to said grinding face.

2,277,418
HYDRAULIC VALVE OPERATING SYSTEM
Godfrey Simson, Toronto, Ontario, Canada
Application August 29, 1940, Serial No. 354,721
5 Claims. (Cl. 123—90)



1. A hydraulically actuated plunger for operating a normally closed poppet valve to open it; a chamber in which the plunger operates; and means for bleeding said chamber, the means comprising a slit extending longitudinally of the plunger and terminating intermediate its ends, one end of the slit being outside the chamber when the plunger is in its initial position, the other end of the slit being outside the chamber when the plunger is in its final position, both ends of the slit being within the chamber to close the bleed means during the movement of the plunger from its initial to final positions.

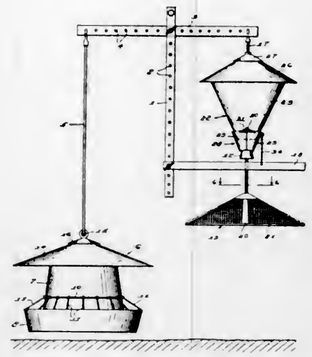
2,277,419
LUBRICATING BOOT FOR UNIVERSAL JOINTS AND THE LIKE
Russell M. Smoot, Brentwood, Pa.
Application January 18, 1941, Serial No. 375,065
7 Claims. (Cl. 64—32)



3. A boot of the class described for enclosing and lubricating universal joints and the like comprising an inner body portion and an outer body portion spaced apart so as to provide a space therebetween for housing a lubricant, a plurality of perforations arranged through the inner body portion for communicating with the joint, means for introducing a lubricant into the space between the body portions, and means for holding the boot in position around the joint.

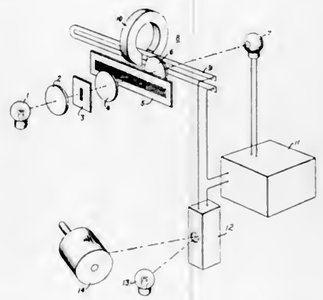
2,277,420
AUTOMATIC RATIO POULTRY AND STOCK FEEDER
William Wesley Stanfield, Largo, Fla.
Application May 15, 1940, Serial No. 335,412
7 Claims. (Cl. 119—51)

1. A poultry feeder comprising a pivotally mounted beam, feed units suspended from said beam on opposite sides of the pivotal axis thereof, one of said units comprising a hopper having an opening in its bottom for the discharge of feed by gravity therefrom and a member located below the opening, a clam shell bucket type valve mounted on the lower portion of the hopper and



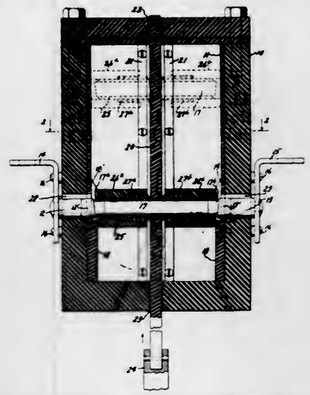
coacting with said member for controlling the discharge of the feed therefrom, said member being engageable in the clam shell bucket valve for opening same when the hopper moves downwardly, and means for closing the clam shell bucket valve when the hopper moves upwardly.

2,277,421
PHOTOMETER
Chauncey G. Suits and Jesse L. Michaelson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 27, 1939, Serial No. 296,738
3 Claims. (Cl. 234—1.5)



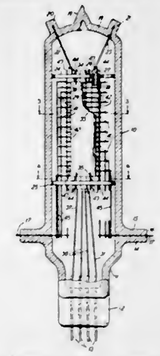
1. Apparatus for measuring the rapid fluctuations of light caused by the movement of an object of varying density through a light beam comprising a source of said light beam, a photoelectric device arranged to receive the beam modified by said object, means for amplifying the output of said device, means having a high frequency response arranged in said modified beam and controlled by said amplified output for varying the light received by said device in inverse relation to the variations produced by the movement of said object, and a recording device having a high frequency response connected to be controlled by the output of said amplifier.

2,277,422
ELECTRIC CIRCUIT BREAKER
Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application March 8, 1940, Serial No. 322,908
10 Claims. (Cl. 200—151)



1. In an electric circuit breaker, the combination comprising a casing, a plurality of relatively movable contacts supported within said casing, means for producing relative movement between said contacts to make or break the electric circuit associated with said circuit breaker, a sleeve-like bushing of gas-evolving insulating material movably positioned on one of said contacts and arranged so as to allow said one contact to protrude therefrom to engage another of said contacts during the closed circuit position of said circuit breaker, and means for causing effective withdrawal of said one contact into said sleeve-like bushing upon separation of said relatively movable contacts and for causing said bushing to engage said casing so that high-speed interruption of said circuit may be obtained.

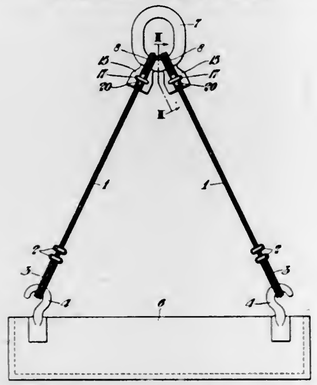
2,277,423
ELECTRON DISCHARGE DEVICE
Howard W. Weinhart, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1941, Serial No. 393,922
10 Claims. (Cl. 250—27.5)



2. An electron discharge device comprising an enclosing vessel, an electrode unit mounted within said vessel, said unit including a central cathode,

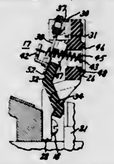
spacer discs at opposite ends of said cathode, a pair of upright supports extending parallel to said cathode and through said spacer discs, and a plurality of apertured disc control elements insulatingly stacked on said supports and surrounding said cathode, said supports being enlarged external to said spacer discs to rigidly clamp said discs and elements into a unitary assembly.

2,277,424
CABLE CLAMP
Earl G. White, Hobart, Ind.
Application October 17, 1940, Serial No. 361,635
3 Claims. (Cl. 24—125)



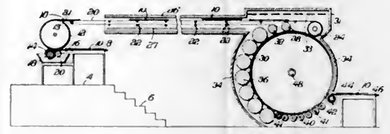
2. A cable clamp comprising a U-shaped thimble having a cable-receiving groove therein, a U-shaped clamping member correspondingly disposed within the legs of said thimble, a clamping bar disposed over the cable-receiving groove in each of the legs of said U-shaped thimble, and a U-bolt embracing each of said clamping bars and the adjacent portion of said U-shaped thimble, each of said U-bolts extending through one of the legs of said U-shaped clamping member whereby a cable may be rigidly held in the cable-receiving groove in said thimble by said clamping bars.

2,277,425
SWITCH
Horace G. Wiest, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application February 25, 1941, Serial No. 380,492
6 Claims. (Cl. 200—164)



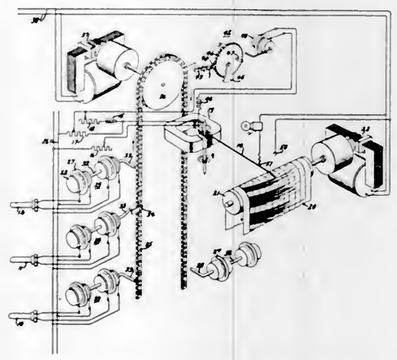
4. A switch including a base member, an actuating arm having a portion adapted to overlie said base, said arm having an end pivotally mounted about a fulcrum on said base member and an opposite end adapted to be moved by an actuating mechanism, a contact finger adapted to overlie said arm and having a contact on one end extending beyond the fulcrum of said arm and an opposite end adapted to be pivotally mounted about a fulcrum on said arm, and biasing means connected to said finger and said support, said biasing means being adapted to exert a force on said arm relatively close to said arm pivot so as to minimize the force necessary to cause movement of said actuating arm.

2,277,426
APPARATUS FOR PROCESSING SHEET MATERIAL
Ellwood W. Wolf, Philadelphia, and Elbert A. Corbin, Jr., Lansdowne, Pa., assignors of one-third to B. C. B. Industries, a corporation of Delaware
Application September 21, 1940, Serial No. 357,676
1 Claim. (Cl. 91—55)



An apparatus for processing sheet material comprising a coating machine for applying the desired glazing compound to said sheet material, a drying chamber for evaporating the solvents of said compound, means for propelling said sheet material through said coating machine and said drying chamber, a flash oven at the end of said drying chamber for fusing the surface of the residue of said compound, a drum having a highly polished surface positioned at the discharge end of said flash oven, pressure rollers coacting with said drum, means for bringing the coated surface of said sheet material into contact with the polished surface of said drum and a housing extending from the flash oven and enclosing a portion of said drum and said pressure rollers.

2,277,427
MULTIPLE SEQUENCE RECORDER
Thomas T. Woodson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 9, 1939, Serial No. 278,262
3 Claims. (Cl. 234—67)

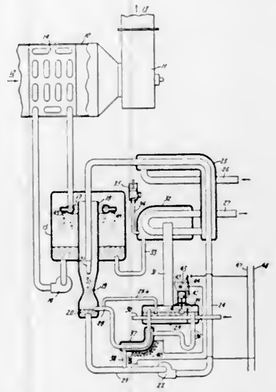


1. A recording meter comprising means for advancing a chart at a substantially constant average rate, a recording stylus in continuous contact with said chart, electro-responsive apparatus for moving said stylus across the chart in response to measurements, said apparatus normally positioning said stylus in a predetermined recording position when no measurements are being recorded, a plurality of electrical circuits, time controlled switching means for individually and consecutively connecting and disconnecting said different circuits to said electro-responsive apparatus in a predetermined sequence and then repeating said sequence whereby records of the measurements are recorded on the chart in a like sequence and repetitions of the sequence, the time spacing between such switching operations being selected to produce the records in distinguishable groups spaced apart in the direction of travel of the record chart with each group containing one recorded measurement of each circuit, whereby the position of any record in a group identifies such record as belonging to a particular circuit.

2,277,428
DIAMOND ABRASIVE TOOL
Edgar W. Engle, Grosse Pointe Park, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York
No Drawing. Application May 31, 1939, Serial No. 276,585
2 Claims. (Cl. 51—309)

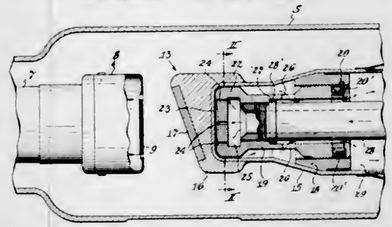
1. An abrading tool having a portion thereof consisting of diamond particles distributed in a matrix which consists of a cemented carbide containing an appreciable quantity and up to about 8% silver.

2,277,429
REFRIGERATING SYSTEM
Marcus E. Fiene, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application September 17, 1941, Serial No. 411,101
7 Claims. (Cl. 62—5)



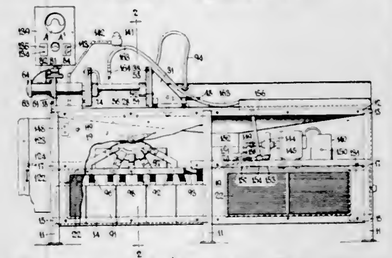
1. A refrigerating system of the absorption type including a refrigerant absorber and a solution concentrator, means for admitting weak solution to said concentrator, means including a conduit for returning concentrated solution from said concentrator to said absorber, and means dependent upon the solidification of a portion of the solution in said conduit for supplying heat to said conduit for melting said portion of the solution and for maintaining said solution in the fluid state in said conduit.

2,277,430
MULTIORIFICE ANODE
John H. Findlay and Joseph Lempert, Montclair, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1940, Serial No. 364,662
4 Claims. (Cl. 250—143)



1. An X-ray tube comprising an envelope, a cathode, an anode including a refractory metal target which becomes heated during operation by electron bombardment, a back plate of good heat conducting material for supporting said target, and a hollow anode stem for supporting said back plate, and means for circulating a cooling and insulating material over the maximum surface area of said back plate rearwardly of said target, including a member forming a chamber within said anode stem directly back of said back plate, a conduit leading into said chamber, a plurality of comparatively small openings from said chamber through the wall of said member facing said back plate and forming a plurality of high velocity flow passages substantially perpendicular to said face at various positions with respect thereto whereby said cooling and insulating material will flow through with high turbulence and high velocity into forceful concentrated stream engagement with and splashing spreading flow over the surface of said back plate without filming and to effect maximum heat transfer from said anode to said cooling and insulating material.

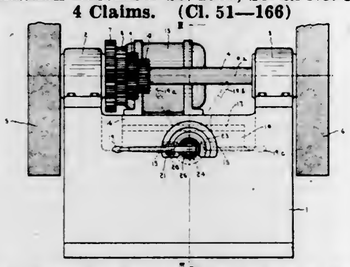
2,277,431
MAGNETIC INSPECTION APPARATUS
Raymond L. Fitch, Buffalo, N. Y.
Application February 1, 1940, Serial No. 316,790
7 Claims. (Cl. 175—183)



1. In apparatus for magnetically testing paramagnetic bodies, a tank having a sump therein and containing a liquid having finely divided paramagnetic material in solution therein, clamping means comprising a pair of electrodes disposed above said tank, means for placing a fluid urge upon said electrodes for clamping therebetween under a constant pressure a body to be tested, a pump having inlet and outlet connections to said sump for circulating and constantly agitating the liquid therein for maintaining thorough dispersion of said material, a conduit branching from said pump for conducting agi-

tated fluid to the body to be tested for flow thereover, means for momentarily causing a high amperage discharge between said electrodes through the body to be tested, and means for varying the rate of such discharge.

2,277,432
SPEED CHANGING MECHANISM
Willard L. Groene, Cincinnati, Ohio, assignor to The Cincinnati Electrical Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application December 23, 1940, Serial No. 371,346
4 Claims. (Cl. 51—166)



1. In a grinding machine, a base, a grinding wheel spindle journaled on said base, grinding wheels on said spindle, a cone of gears fixed on said spindle, a base plate mounted on said frame for straight line movement perpendicular to the axis of rotation of said grinding wheel spindle, a motor plate mounted on said base plate having straight line movement angularly related to the axis of rotation to said grinding wheel spindle, a driving motor mounted on said angularly movable motor plate, a driving gear mounted on the shaft of said driving motor, and means for effecting movement of said base plate and said motor plate for selectively presenting the driving gear into engagement with each of the gears of said cone of gears, said mechanism comprising a single control lever pivotally mounted on the front of said machine for both swinging and in and out motion relative to the front of the base of said machine, and means for utilizing said swinging motion of said lever for moving said motor plate and said in and out motion of said lever for moving said base plate.

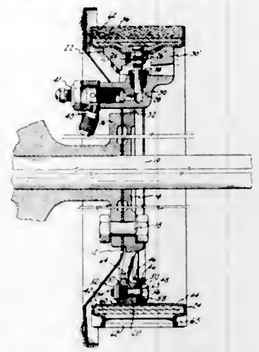
2,277,433
PLASTIC DIFFUSER
Edwin F. Guth, Florissant, Mo.
Application May 1, 1940, Serial No. 332,725
5 Claims. (Cl. 240—106)



1. A diffuser for tubular lamps having low-operating temperatures which comprises a resilient channel-like segment of translucent plastic having at least one inwardly projecting substantially homogeneous portion for use in attaching said diffuser to a lamp, through the resilience of said channel-like segment.

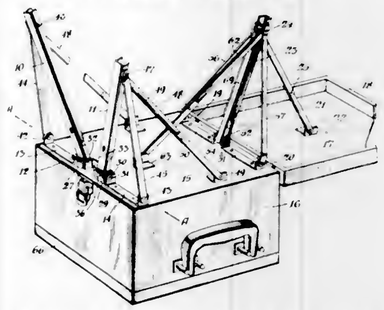
2,277,434
AIRPLANE BRAKE CONSTRUCTION AND THE LIKE
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application February 14, 1940, Serial No. 318,817
7 Claims. (Cl. 188—152)

1. In a fluid brake assembly, the combination with a torque member having an opening therein adjacent its outer periphery, of a brake structure comprising a rim part, removable means for securing said part to one side of said member and accessible for removal from the same side, a fluid inlet connection having an attachment por-



tion located upon said side of said member and fixed thereto by removable means, and a portion of said inlet connection extending through said opening for removable connection to the brake fluid pressure line.

2,277,435
FOLDING TABLE
Harold Howe, Rowayton, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y., a corporation of New York
Application June 4, 1941, Serial No. 396,523
7 Claims. (Cl. 311—90)



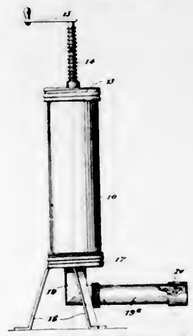
1. A folding table comprising a top and a plurality of legs pivotally connected to the top, each leg being in sections which are pivotally connected together and have an overall folded length capable of being included within the limits of the top when folded, means for mounting the upper pivots of two of said legs alongside an edge of the top and proximate each other centrally of said edge, and a pair of braces for each leg of said pair of legs, the lower ends of said braces being connected to the leg and the upper ends being connected to the table, one brace of each pair of braces having its upper end removed from the upper pivot of its associated leg and positioned nearer to an outside edge of the top than to the center line of the top which bisects the first-named edge alongside of which the pair of legs are pivotally connected to the top, each of said pair of braces and associated leg being so proportioned that the two legs diverge from each other from their point of pivotal connection to the table top.

2,277,436
VENT OR CHIMNEY CONSTRUCTION
Ernest O. Howle, Chicago, Ill.
Application February 28, 1941, Serial No. 381,170
3 Claims. (Cl. 72—94)



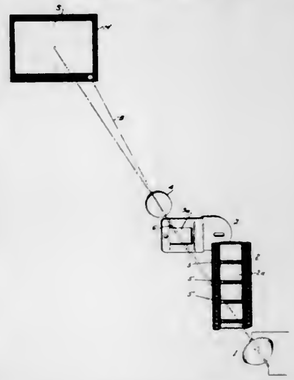
1. A cap section for the upper end of a vent or chimney which latter comprises a flue and an enveloping casing, a unit structure having inner and outer shells permanently connected together only adjacent the upper end of the outer shell and otherwise laterally spaced from each other, said outer shell having an internal shoulder between its ends to rest on the upper end of the casing for supporting the cap section in place on the chimney, the inner shell being entered within the flue, the connection of said shells constituting the sole support of the inner shell when the section is in place on a chimney and the support of the section in the manner stated maintaining the inner shell in pendant relation with respect to the flue whereby relative longitudinal movement between the flue and the inner shell may occur incidental to temperature differences in the flue and shell.

2,277,437
PRESSURE GREASE GUN FILLER
David W. Hultgren and Herbert Williams, Bozeman, Mont.
Application June 20, 1940, Serial No. 341,560
1 Claim. (Cl. 221—47.5)



A pressure grease gun filler of the class described comprising a container open at both ends, a cap for closing one end, a plunger carried by the cap and adapted to eject grease from the opposite end of the container, a base, said container fitting on said base, legs for supporting the base, a grease gun filling tube depending from said base and hung between said legs and having a right-angularly extending end terminating within the contour of the base and container, an extension tube detachably secured to said right-angularly extending end and adapted to receive a grease gun for facilitating the forcing of grease into the gun from said tube and said extension tube, the right-angularly extending end of the first mentioned tube being shielded within the contour of the base and container in a manner whereby the first mentioned tube will be protected against contact with foreign objects while the device is not being used and after the extension tube has been disconnected.

2,277,438
MOTION PICTURE SYSTEM
William J. Humphreys, Pittsburgh, Pa.
Application April 19, 1941, Serial No. 389,442
8 Claims. (Cl. 88—17)

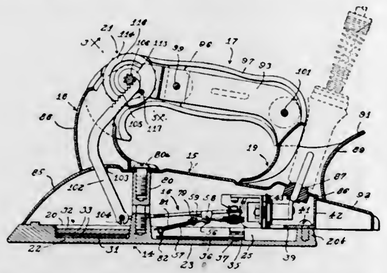


1. In a motion picture projection system, indication means comprising, in combination, a movie screen, a projecting machine aperture plate, a film having a plurality of frames separated by framing lines which frames are adapted to register with the aperture of said aperture plate, a small hole in said aperture plate immediately adjacent the perimeter of said aperture, a light spot located in each framing line of a plurality of frames on a predetermined portion of the film, which spot is adapted to register with said small hole so as to project successive beams of light exteriorly of said screen.

2,277,439
SADIRON
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1935, Serial No. 38,533
Renewed August 14, 1939
24 Claims. (Cl. 219—25)

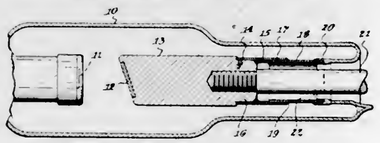
24. An automatic electric sadiron comprising a sole plate having upstanding marginal walls of comparatively heavy cross section defining a top cavity, a heating element seated in said cavity covering substantially the entire area thereof except for a predetermined central area, a pressure plate seated on the heating element having marginal shape substantially corresponding to the contour of said marginal walls and having a central opening substantially corresponding to

said central area, means uniting the pressure plate to the sole plate along said marginal walls and through said central area to hold the heating element in substantially uniform pressural contact with the sole plate and to provide a path of heat transfer from the pressure plate to the sole plate both marginally and centrally, and



a thermostat control including a heat responsive element located in said central area for controlling the supply of electric current to the heating element, whereby distribution of the heat of the pressure plate serves as a means for preventing warpage of the sole plate, heating element, and pressure plate assembly.

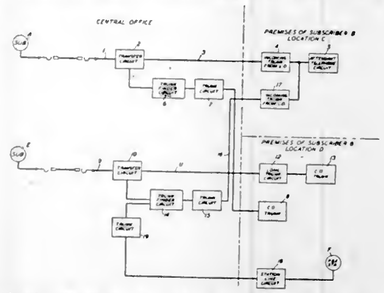
2,277,440
GLASS-METAL CASING
William John Knochel, Irvington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1941, Serial No. 373,930
9 Claims. (Cl. 250—27.5)



7. A discharge device having an interior metallic member and having a vacuum-tight casing for said member, a steel ring constituting a sleeve situated in part around a portion of said member and sealed thereto, thereby both confining radial expansion of said member and effecting a vacuum-tight seal therewith, said casing having a portion thereof in proximity to said ring composed of borosilicate glass, and a metallic part having substantially the same coefficient of expansion as said glass sealed thereto and to said ring with a vacuum-tight seal with respect to both.

2,277,441
TELEPHONE SYSTEM
Charles D. Koechling, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 344,039
7 Claims. (Cl. 179—27)

1. In a telephone system, a central office, a plurality of groups of lines extending from said central office to subscribers' premises, each said group extending to a subscriber's premises at a different location, means individual to each of said lines at said central office responsive to manual control at the said subscriber's premises for automatically extending said line from said



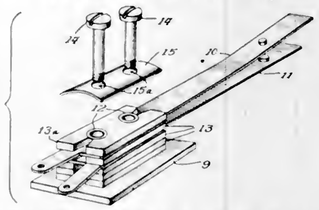
central office to an idle one of said lines in a predetermined one of said groups of lines.

2,277,442
CAST SHEARS
Stanley Kuhlman, Hamilton, Ontario, Canada
Application May 12, 1941, Serial No. 393,067
7 Claims. (Cl. 30—211)



1. In a pair of cast shears, a stationary blade having a shearing edge, a substantially vertically movable blade coacting with the stationary blade, a stationary handle bar immovably associated with the stationary blade, and a movable handle bar pivotally associated with the stationary blade and having a toggle jointed association with the movable blade, said arrangement being such that when the two said handle bars are in substantially close relation the two said blades are apart but as the movable bar is swung away from the stationary bar the two blades close.

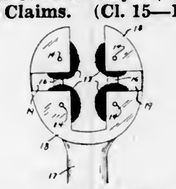
2,277,443
SWITCH-STACK ASSEMBLY
Callard Livingston, Chicago, Ill., assignor to Comar Electric Co., Chicago, Ill.
Application May 10, 1941, Serial No. 392,857
3 Claims. (Cl. 200—166)



1. In combination with a switch stack assembly of the class described, an accommodation header comprising a piece of spring metal bowed to provide a concavo-convex configuration, and

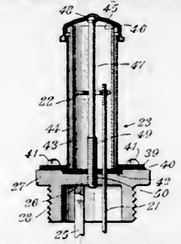
provided with one or more holes for passage of a mounting screw or the like extending into said assembly, said header being adapted for mounting on the topmost member of the stack with its concavity facing said member and edgewise portions bearing by urgence of said screw against the stack with space available in the concavity for accommodation of protruding portions of the stack, substantially as set forth.

2,277,444
CLEANING IMPLEMENT FOR VENETIAN BLINDS AND THE LIKE
Margaret Elizabeth McPhee, New Westminster, British Columbia, Canada
Application September 13, 1940, Serial No. 356,698
In Canada May 20, 1940
4 Claims. (Cl. 15—160)



1. An implement for cleaning Venetian blinds, a tubular handle having arcual flanges diametrically opposite extending from one extremity of the said tubular handle, semi-cylindrical brush casings slidably engaging each flange and adjustably secured thereto by means of thumb screws and brush elements secured to each casing.

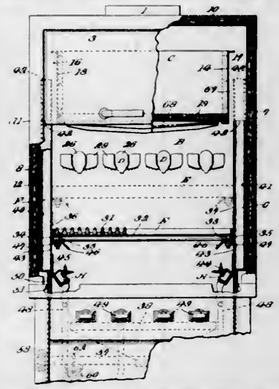
2,277,445
TANK GAUGE
John M. Mele, East Haven, Conn.
Application December 28, 1940, Serial No. 372,070
8 Claims. (Cl. 73—317)



1. In a tank gauge; a bushing; two concentric transparent cylindrical members associated therewith, one member having a scale thereon and shorter than and outside of the other member; and means for connecting said members to said bushing, with one member rigid and the shorter member rotatable in relation thereto, and whereby the scale thereon may be positioned at any convenient reading position concentric with the axis of said member.

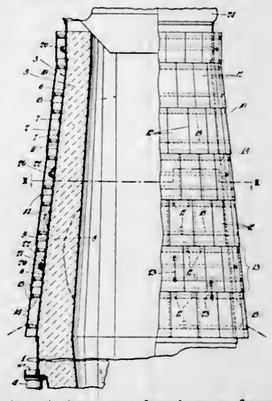
2,277,446
BROILER
Henry Moecker, Jr., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application March 18, 1940, Serial No. 324,706
8 Claims. (Cl. 126—41)

1. In a device of the character described, a broiling oven having a chamber with upper and lower broiler burners therein which receive their secondary air supply from said oven chamber, said oven above said upper broiler burner being provided with an outlet flue for venting the hot gases and products of combustion generated by said upper broiler burner and which rise above said burner, flue conduits having their upper ends communicating with said oven outlet at a point above said upper broiler burner and having



inlets disposed closely adjacent said lower broiler burner, said flue conduits receiving and directing the hot gases and products of combustion generated by said lower burners around said upper burners to prevent the lower burners from interfering with the operation of the upper burners, and a broiling grid or pan in said oven above said lower broiler burner.

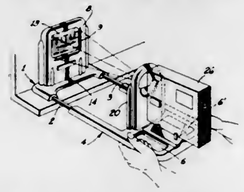
2,277,447
SHIELD FOR BLAST FURNACES
Earl E. Moore, Gary, Ind.
Application November 22, 1940, Serial No. 366,775
5 Claims. (Cl. 266—32)



1. In a blast furnace having a frusto-conical stack portion and a metal jacket therefor encasing the refractory wall and lining thereof, an outer cooling shell spaced from said jacket, and spacing means for supporting said shell in spaced relation to said jacket whereby an air space is formed between said jacket and shell, said shell spacing means including a series of spaced supporting rings arranged to form a frusto-conical frame, each ring being independently supported on said jacket, said shell being of frusto-conical

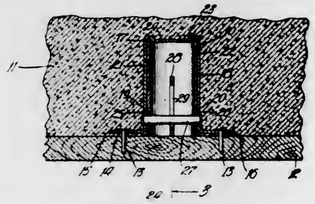
form and including a plurality of frusto-conical sections having their upper and lower edges in overlapping relation with adjacent sections, each section including a plurality of plates arranged in overlapping relation, each plate being separately independently, detachably mounted on said frame, whereby any one of the plates of the shell may be removed independently.

2,277,448
TITLING DEVICE
Erich H. Munsinger, Los Angeles, Calif., assignor to John E. Pratt, Los Angeles, Calif.
Application July 15, 1940, Serial No. 345,485
6 Claims. (Cl. 88—24)



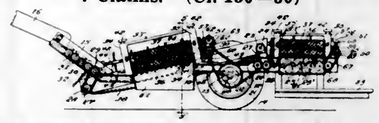
1. A titling device for use with amateur motion picture cameras, comprising: a toe member provided with a pair of spaced parallel rods extending therefrom, a card holder carried by the toe member in a plane at right angles to the plane of said rods; a frame provided with a pair of rigid parallel guides adapted to slidably receive said rods; a mounting block removably attached to one end of said frame and adapted to hold a camera in position; and a lens holder carried by said frame between said mounting block and said toe member, said lens holder including a lens removably attached to said holder and adapted to focus a camera on said mounting block onto the card holder.

2,277,449
RETRACTABLE ANCHORAGE DEVICE
Mathew H. Paine, Glen Ellyn, Ill., assignor to The Paine Company, Chicago, Ill., a corporation of Illinois
Application May 24, 1940, Serial No. 337,035
4 Claims. (Cl. 72—105)



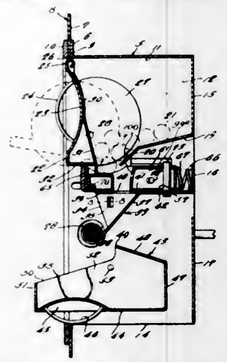
1. An anchorage device comprising a casing having an end opening and a side wall thereabout, securing flange means projecting outwardly from said side wall adjacently to said opening, a restraining pin traversing said casing and said flange means for holding the same in assembly, a connecting member mounted in said casing and reversibly movable axially of and within said opening, said connecting member being completely retractable into said casing when moved in one direction, and stop means movable with said connecting member and abuttable against said restraining pin to preclude movement of said member in the opposite direction beyond a limit at which said member projects a predetermined distance outwardly of said opening.

2,277,450
POTATO HARVESTER
Frank J. Parr, Eaton Rapids, Mich.
Application August 7, 1941, Serial No. 405,881
7 Claims. (Cl. 130—30)



1. A potato harvester comprising a portable frame, an endless conveyor arranged longitudinally of the frame, a plurality of contiguously disposed rollers arranged at the forward end of the conveyor and in a plane inclined angularly upwardly therefrom for delivering potatoes thereto, means for driving the rollers of adjacent pairs in opposite directions, means arranged at one side of the said conveyor for removing vines and weeds carried by the conveyor, an agitator arranged diagonally above the conveyor and laterally of the vine removing means for gathering the vines and weeds and feeding the same to the said removing means, a plurality of horizontally arranged laterally spaced rollers positioned at the rearward end of the said conveyor, and means for driving all of the last mentioned rollers in the same direction.

2,277,451
APPARATUS FOR DISPENSING AND LIGHTING CIGARETTES
Edward Paseka, Forest Hills, N. Y.
Application June 28, 1938, Serial No. 216,394
11 Claims. (Cl. 312—86)



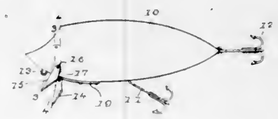
1. In combination, a cigarette container formed with a cigarette discharging opening, a horizontal operating and dispensing slide, means slidably supporting said slide beneath said container and normally acting as a closure for said discharging opening, said slide being formed with a cigarette passing opening arranged to register with said cigarette discharging opening only in the operated position of the slide, a cigarette igniting trough supported below said slide and in receiving relation to the cigarette passing opening of the slide, spring means operatively connected with said slide and normally maintaining the slide in inoperative position, said spring means being arranged to return said slide from operated position to inoperative position upon release of operating pressure exerted on said slide, and igniting means applicable to one end of a cigarette lying in said trough, operating means for said igniting means, and an operative connection between said slide and said operating means effective to move said igniting means to operative position when said slide is moved to operative position.

2,277,452
RULER
Moses Elias Pettersen, Visalia, Calif.
Application June 26, 1941, Serial No. 399,896
1 Claim. (Cl. 33—109)



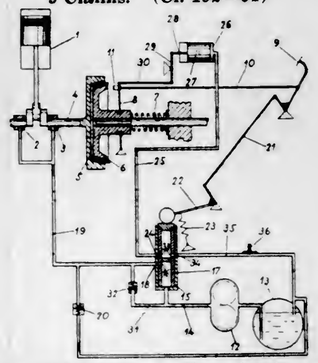
In a device of the character described, an elongated member, bearing plates secured to said member at opposite ends thereof and extending laterally beyond one edge of said member, a roller having pintles at the ends thereof journaled in said bearing plates and supported thereby in spaced parallelism to said edge of said member, and a coil spring sleeved onto one pintle between one end of said roller and an adjacent bearing plate and urging the other end of the roller against the other bearing plate to provide a friction brake causing a drag on said roller.

2,277,453
BAIT CASTING PLUG
William Alton Phillips, Bessemer, Ala.
Application July 25, 1941, Serial No. 404,081
3 Claims. (Cl. 43—46)



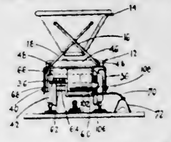
1. A plug comprising, a body, a fish hook on the body, a pair of superposed spoons of U shape cross section pivoted to the front end of the body, and means for adjusting the lower spoon to extend in various angular positions relatively to the upper spoon and to the body for controlling the plug to run at a predetermined depth or to breach and dive.

2,277,454
FLUID OPERATED CONTROL APPARATUS FOR CLUTCHES
Ferdinand Porsche, Stuttgart-on-the-Neckar, Germany, assignor to Dr. Ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application August 3, 1938, Serial No. 222,902
In Germany August 10, 1937
9 Claims. (Cl. 192—91)



1. In a device for operating clutches and the like, the combination of a prime mover, a clutch for controlling power delivered thereby, a pump for forcing lubricant to the bearings of said prime mover, a hydraulic clutch operating device adapted for operation by lubricant from said pump, manual means for operating said clutch, a control valve, and means operated by said manual means for controlling actuation of said control valve from a position in which said hydraulic device is ineffective to a position in which lubricant is supplied for actuating said hydraulic operating device, the movement of said valve in a direction to actuate said hydraulic operating device being effected by the pressure of said lubricant.

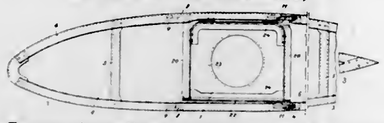
2,277,455
DUMP CAR FOR TOY RAILROADS
Willis E. Rexford, Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,354
8 Claims. (Cl. 46—214)



1. A dump car for toy railroads, said car comprising a flat body, wheels and axles therebeneath for supporting the same, a dump body, and means oscillatably mounting the dump body on the flat body, said means comprising crossed arms at each end of the car, the upper ends of said arms being bent inwardly and pivotally received in the ends of the dump body, and the lower ends of said arms being pivotally mounted on the flat body, shafts extending longitudinally of the flat body and connecting the arms at the ends of the car for simultaneous movement, the two connected arms and the shaft connecting the same being formed of a single piece of stiff wire, the mounting being such that the dump body is moved to one side of the flat body as it is

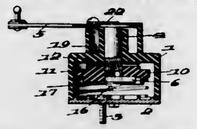
dumped, thus discharging the contents of the dump body outside the flat body and the track carrying the same, the crossed arms being so related that an inner arm bears against the pivot at the upper end of an outer arm when the body is tilted, thereby preventing excess tilting movement.

2,277,456
AIRCRAFT WING CONSTRUCTION
Adolf Karl Rohrbach, Bremen-Oberneuland, and Alfred Dorn, Lemwerder, near Bremen, Germany; G. Edzard administrator of said Adolf Karl Rohrbach, deceased, assignors to "Weser" Flugzeugbau G. m. b. H., Bremen, Germany, a limited liability company of Germany
Application July 7, 1938, Serial No. 218,010
In Germany July 7, 1937
10 Claims. (Cl. 244—123)



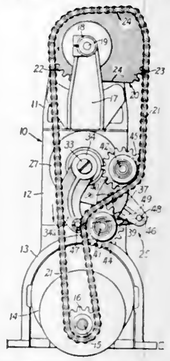
1. In an aircraft wing structure the combination with at least one wing section forming a longitudinally extending wing part, each such section having a side opening transversely and each section comprising a covering skin on ribs extending transversely to the longitudinal axis of the wing, of fastening means comprising members on the ends of at least some of the ribs at said open side of said wing part and inner fastening members on at least some of the ribs positioned inward from the ends thereof, a separate hollow supporting spar extending longitudinally of the wing and fitting transversely within the side of said wing part and fastening members detachably engaging the said inner and outer members of said fastening means on said wing part so that said spar is contained within said wing part and detachably secured to each section thereof at a plurality of transversely and longitudinally spaced points, and a cooperating wing portion completing the wing contour and comprising at least one separate wing section detachably supported by the spar in position closing over the open side of the first wing part and completing the transverse enclosure of said spar within said wing structure.

2,277,457
ELECTRIC CONTROL FOR WARNING SIGNALS
James A. Rook and Clay H. Rook, Los Angeles, Calif.
Application January 4, 1939, Serial No. 249,327
8 Claims. (Cl. 200—164)



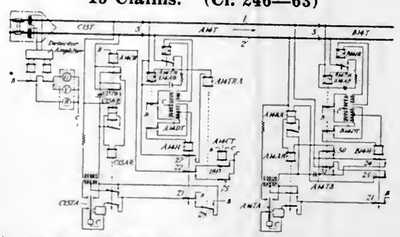
1. An electric control for warning signals comprising a casing, a shaft mounted for rotary and reciprocating movement therein, a conductive friction element fixed with relation to said shaft, a second friction element loosely mounted on said shaft and in frictional engagement with said first named friction element, a contact on said second friction element in conductive relation with said first named friction element, a second contact secured to said shaft and movable therewith and positioned to engage the contact on said second named friction element and means causing said second contact to wipe across said first contact when the shaft is operating, and means whereby the shaft may be rotated and reciprocated.

2,277,458
DIFFERENTIAL DRIVING MECHANISM
Paul Schultze, Danbury, Conn., assignor to John C. Doran, doing business as Doran Brothers, Incorporated, Danbury, Conn.
Application May 27, 1939, Serial No. 276,039
2 Claims. (Cl. 74—216.5)



1. In a drive mechanism for a machine tool which operates on a work piece of irregular peripheral contour, the combination with the driven spindle of such a machine of a driven sprocket secured to said spindle, a circular driving sprocket, and a power transmission chain connected to said sprockets, said first-mentioned sprocket having an irregular peripheral contour which corresponds substantially to the contour of the work piece whereby upon operation of the machine the work piece rotates at a substantially uniform circumferential velocity.

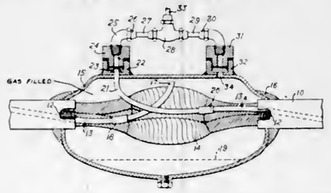
2,277,459
RAILWAY SIGNALING SYSTEM
Warren W. Seitz, Wilkinsburg, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 20, 1940, Serial No. 353,354
15 Claims. (Cl. 246—63)



1. In a railway signaling system, in combination, a stretch of railway track over which are operated locomotives equipped with signaling apparatus responsive to the presence of coded alternating current energy in the track rails of the track stretch, the rails of said stretch being divided by insulated joints into successive block sections, the rails of each block section being divided by insulated joints into a plurality of track sections, the track section at the entrance

end of each block section having means receiving energy over the rails of such section, said means being effective when deenergized to supply coded direct current of a first frequency to the rails of the adjacent track section in the rear and being effective when supplied with coded direct current of said first or a second frequency to supply coded direct current of said second frequency to the rails of the adjacent section in the rear, each track section except the track section at the entrance end of each block section having means operative on the supply of coded direct current thereto to supply coded direct current of the same code frequency to the rails of the adjacent track section in the rear, and means for each track section governed by traffic conditions in such section and operative when and only when the section is occupied to supply to the rails of such section alternating current energy coded at the same code frequency as the direct current energy supplied to the said section.

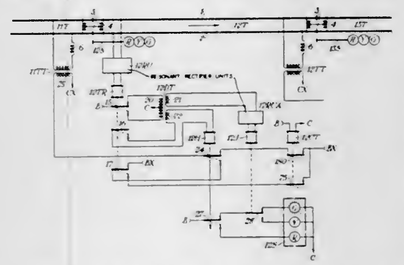
2,277,460
GAS FILLED CABLE INSTALLATION
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 6, 1940, Serial No. 339,135
4 Claims. (Cl. 174—21)



1. A gas filled cable installation comprising lengths of insulated conductors, joint means for uniting them, compound impregnating the installation which is liquid at cable operating temperatures, impervious sheaths for the conductors, a chambered casing for each joint means forming a sump and provided with openings located in its wall between the ends thereof, the ends of the casing being sealed to adjacent sheaths, a free feed channel within each sheath opening into a casing for feeding gas to the insulation and also receiving compound oozing from the surface thereof and conveying it to the sump, first and second solid wall gas conveying tubes, one in each cable length, for by-passing slugs of compound contained in the channels thereof, the first tube having an open end terminating in the casing above the level of the channels, a first chambered fitting covering one of the openings in the casing wall, a second chambered fitting also mounted on the casing and covering another of its openings and in which an open end of the second tube terminates, and an external means establishing communication for gas between the tubes through the chambers of the fittings and that of the casing, the said tubes being wholly within and protected by the casing and one of the fittings.

2,277,461
RAILWAY SIGNALING SYSTEM
Charles B. Shields, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 9, 1939, Serial No. 308,451
6 Claims. (Cl. 246—38)

1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into successive track sections including adjoining forward and rearward sections, means for at times supplying coded energy to the rails of the forward section, a code following track relay having a winding receiving energy from the rails of said forward section, an auxiliary relay associated with said track relay, means responsive to code following operation of the track relay contacts for supplying impulses of energy to the winding of the auxiliary relay, said means being operative to supply energy to the auxiliary relay winding only when the track relay contacts are in their released position, a first supply circuit for supplying coded energy to the rails of said rearward section, said first supply circuit being complete when and only when the contacts of



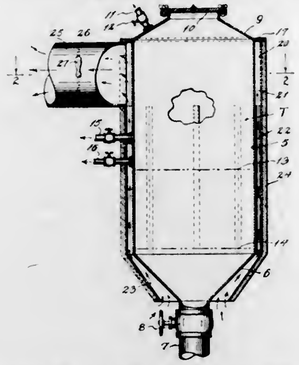
the track relay and of the auxiliary relay are released, a second supply circuit over which steady energy may be supplied to the rails of said rearward section, said second supply circuit being complete when and only when the contacts of the track relay are picked up and the contacts of the auxiliary relay are released, whereby said second supply circuit is maintained with resultant supply of steady energy to the rails of said rearward section if energy supplied over said circuit feeds to said track relay, and whereby said second supply circuit is interrupted if said track relay becomes released subsequent to establishment of said circuit, and a third supply circuit for supplying coded energy to the rails of said rearward section, said third supply circuit being complete when the contacts of the auxiliary relay are picked up.

2,277,462
HEAT TRANSFER SURFACE
Warren A. Spofford, Glen Ridge, N. J., assignor to General Electric Company, a corporation of New York
Application December 22, 1939, Serial No. 310,611
3 Claims. (Cl. 257—262)



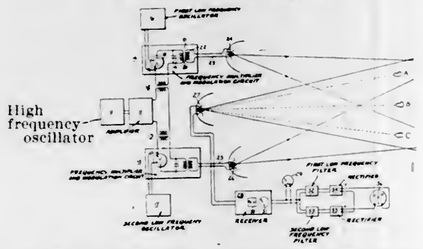
2. In a heat transmitting element of the type comprising a conduit having secured thereto a plurality of loops of heat conductive material, means for collecting condensed moisture from said loops, said means comprising a wire extending through said loops and disposed sufficiently close to the outer periphery of said loops to receive from said loops and to drain away therefrom any moisture condensing thereon.

2,277,463
RENDERING DRUM
Paul F. Swartwout, Cudahy, Wis.
Application January 3, 1939, Serial No. 248,951
1 Claim. (Cl. 23—280)



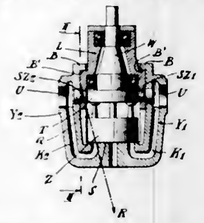
In a process cooker used in the wet rendering of lard and the like, an upright tank including an elongated body having a lower conical end, draw-off pipes communicating with the tank at spaced points, means for introducing steam into the tank, an insulated jacket closely surrounding the body of the tank in spaced relation thereto and conforming to the configuration thereof and defining a chamber between the same and the tank, a depending frusto-conical extension on the jacket opening out to the atmosphere around the lower conical end of the tank, said frusto-conical extension being spaced a greater distance from the conical end of the tank than the spacing of the body of the jacket from the body of the tank, means between the upper end of the jacket and tank for closing the upper end of the chamber, a large outlet pipe carried by the upper end of the jacket and communicating with the chamber and an adjustable damper in said outlet pipe for controlling the flow of air therethrough.

2,277,464
RADIO LOCATING AND FOLLOWING SYSTEM
Laurens A. Taylor, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1938, Serial No. 245,451
5 Claims. (Cl. 250—1)



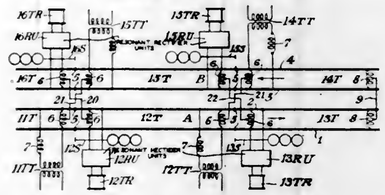
1. In combination, a plurality of electromagnetic radiators producing superimposed fields of waves bearing a substantially constant relation to each other in phase and amplitude, means for maintaining said radiators stationary with respect to each other at such positions that there are nodes of minimum energy in said fields, a receiver responsive to waves of the frequency of waves from said radiators, means spaced from said radiators for directing radiant energy of such frequency toward said receiver, and means for maintaining said receiver stationary with respect to said radiators at one of said nodes in said fields and at a point other than a nodal point with respect to radiant energy from said directing means and either of said radiators.

2,277,465
HYDRAULIC DEVICE
Hans Thoma, Karlsruhe-Baden, Germany
Application September 28, 1937, Serial No. 166,077
In Germany October 2, 1936
4 Claims. (Cl. 103—162)



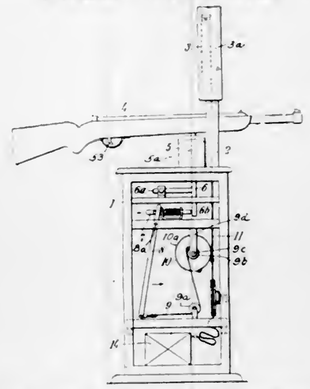
1. In a hydraulic device in combination, an operating shaft, a body within which said shaft is journaled, a cylinder block, an oscillatable member for supporting said cylinder block formed to embrace said bearing body, and means for pivoting said member relative to the bearing body comprising shouldered pivot studs extending inwardly from the oscillatable member and journaled in bearing apertures in said body with their shouldered portion lying against said body, said studs being movable axially relative to said oscillatable member.

2,277,466
RAILWAY SIGNALING SYSTEM
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 13, 1940, Serial No. 313,739
3 Claims. (Cl. 246—37)



1. In combination, a railway having a plurality of parallel tracks and employing electric current for propulsion purposes, each of said tracks being divided by insulated joints into forward and rear track sections, impedance bonds one connected across the rails of each section, a conductor connecting the mid point of the bond for the forward section of one track with the mid point of the bond for the forward section of the other track, a second conductor insulated from the first conductor and connecting the mid point of the bond for the rear section of the one track with the mid point of the bond for the rear section of such other track, and a track circuit for each section of each track including a source of alternating current connected across the rails and a track relay receiving energy from the rails.

2,277,467
AIMING OR SHOOTING DEVICE
Anton Wadle, Mannheim-Feudenheim, Germany, assignor to Peter Krücken, Mannheim-Feudenheim, Germany
Application July 5, 1939, Serial No. 282,945
In Germany November 22, 1937
6 Claims. (Cl. 273—101.2)



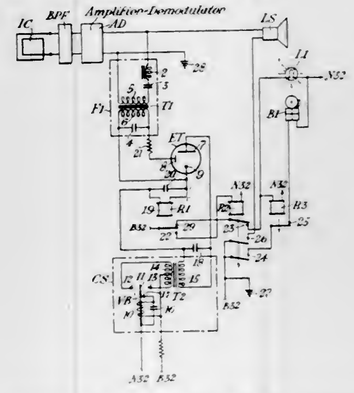
1. In an aiming device, a support, a rifle mounted on said support for universal movement about a fixed point of the support, a target carried by the support, an indicator mounted for vertical and horizontal movements over said target, operating means connecting the rifle and target and translating horizontal swinging movements of the rifle to horizontal swinging movement of the indicator and vertical swinging movements of the rifle to vertical movements of the indicator, clamping means adapted to engage and hold said operating means against movement, holding means for engaging the clamping means and holding the latter in operating means release position, latch means releasably holding the holding means in said position, a magnet releasing said latch means when energized, a trigger on said rifle for operating a circuit closing switch, and a circuit including said magnet and switch.

2,277,468
LAMP-HOLDER ASSEMBLY
Ralph C. Welch, Devon, Conn., assignor to General Electric Company, a corporation of New York
Application January 4, 1940, Serial No. 312,400
1 Claim. (Cl. 240—52)



In an assembly for mounting a lampholder on a wall, a bracket having angularly extending arms, one of said arms being bifurcated to form spaced clamping jaws extending outwardly from the wall, the other arm lying parallel with the wall and being provided with an opening for a fastening means and a flanged opening for receiving a conductor and serving as a bushing therefor, a lampholder having socket means connected to the conductor and provided with a casing of resilient insulating material for engaging said clamping jaws whereby said lampholder is resiliently held in the space formed by the bifurcated jaws, the flange of the flanged opening being adapted to be received in the wall to prevent rotation of the bracket.

2,277,469
RECEIVING APPARATUS FOR TRAIN COMMUNICATION SYSTEMS
Leland D. Whitelock, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 31, 1940, Serial No. 372,475
6 Claims. (Cl. 179—82)

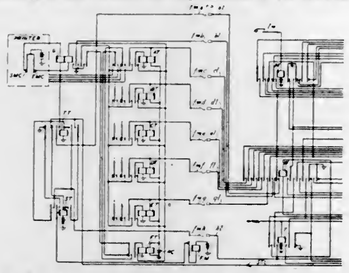


1. Receiving apparatus for a train communication system comprising, a demodulator capable of demodulating a signaling current which is the equivalent of a carrier current modulated by a preselected frequency, a filter having its input terminals connected to the output terminals of said demodulator and tuned to pass energy of said preselected frequency only, an ionization type of electron tube, a source of alternating current, a relay, an anode circuit including said alternating current source and said relay connected across the anode and cathode of said tube to energize the relay when the tube is ionized, a control circuit including the output terminals of said filter connected across the control element and cathode of said tube to cause ionization of the tube by the energy passed by said filter, a signal lamp controlled by a front contact of said relay to indicate reception of said signaling current, an electric bell, and circuit means including a contact of said relay and a slow acting device to cause energization of said bell for a predetermined period when the relay is released upon termination of the signaling current.

2,277,470
AUTOMATIC TOLL TICKETING SYSTEM
Esmond P. G. Wright, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 19, 1939, Serial No. 251,736
In Great Britain January 25, 1938
15 Claims. (Cl. 179—7.1)

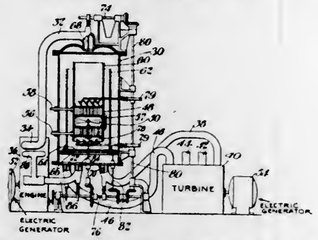
1. In a telephone exchange system, a storage equipment for storing information regarding the destination and origin of a connection and the duration of said connection, means operable during the time that the conversational connection remains established for operating said storage equipment to store all of said information, a printer, a transfer equipment individual thereto, means operable upon the termination of each

connection for associating said transfer equipment with said storage equipment, and means for operating said transfer equipment in accordance



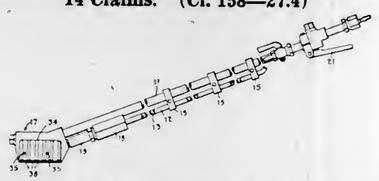
with said stored information to control said printer to make a printed record of said information.

2,277,471
GAS TURBINE SYSTEM
Johann J. Wydler, Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 240,017
27 Claims. (Cl. 60—11)



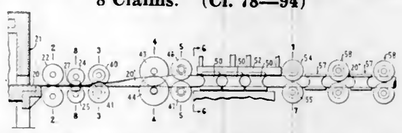
1. The method of utilizing some of the heat energy in a body of hot gases which comprises, introducing gas from the body into a chamber and trapping the gas therein after its pressure has been reduced substantially to atmospheric, circulating a cooling fluid through the chamber in indirect heat transfer relation with the hot gases to reduce the temperature of the gas and thereby develop a partial vacuum within the chamber, and utilizing the vacuum thereby developed to induce flow of a stream of cold gas from a source under higher pressure through a gas turbine.

2,277,472
SCARFING TORCH
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 23, 1939, Serial No. 257,941
14 Claims. (Cl. 158—27.4)



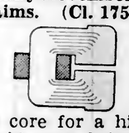
2. A scarfing torch comprising a block tip with an elongated face and a row of jet orifices in said face for directing scarfing streams of oxygen against the surface of a metal body, and supporting bearings on a side of the block at spaced regions along the length of the block for supporting the tip on the metal body in a definite relation to the surface of said metal body.

2,277,473
METHOD OF MAKING WELDED TUBES
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1937, Serial No. 173,153
8 Claims. (Cl. 78—94)



1. In the manufacture of welded tubes by heating the entire body of the skelp in a furnace and pulling the skelp from the furnace through forming and closing apparatus which bends the skelp into a tube and brings the edges together to make a weld, the improvement which comprises performing only a limited preheating in the furnace and then raising the edges of the skelp to a welding condition by heating agencies applied locally to the edges along a substantial length of said edges after the skelp comes from the furnace and insuring uniform welding pressure by progressively reducing the skelp to uniform width and desired edge contouring during the travel of the skelp from the furnace to the region of local edge heating.

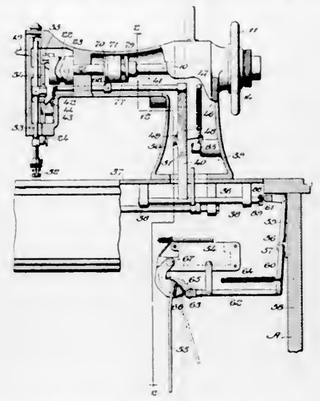
2,277,474
HIGH FREQUENCY IRON CORE
Fritz Bergtold, Munich, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 10, 1939, Serial No. 303,821
In Germany November 12, 1938
3 Claims. (Cl. 175—21)



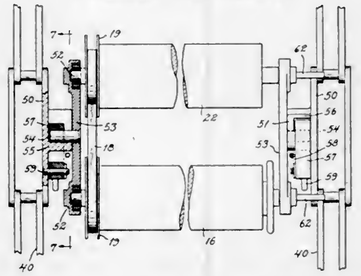
1. A U-shaped core for a high frequency inductance coil, said core being composed of a plurality of compressed interwoven litz wires, each of said wires extending substantially along the direction of the magnetic field.

2,277,475
SEWING MACHINE
Samuel B. Bilger, Lancaster, Pa.
Application April 9, 1940, Serial No. 328,767
6 Claims. (Cl. 112—219)

1. In a sewing machine, a head, a presser foot mounted in said head for movement between raised and lowered positions, spring means tending constantly to lower said presser foot, a pivoted finger operable by swinging movement in one direction to raise said presser foot and by swinging movement in an opposite direction to release said presser foot for lowering by its spring means, a motor for operating the machine, a lever-operated switch for opening and closing the circuit of said motor, and means operable in response to motor-circuit-opening actuation of said switch lever to swing said finger to raise said presser foot and in response to motor circuit closing actuation of said switch lever to swing said finger to release said presser foot for lowering by its spring means.



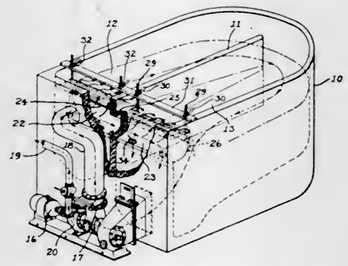
2,277,476
STRIP FEEDING APPARATUS
Henry C. Bostwick, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application March 15, 1939, Serial No. 262,017
7 Claims. (Cl. 154—10)



3. In a strip storage and feeding device for tire building machines and the like, the combination of a frame, a pair of endless chains thereon, a series of stock storage units carried by the chains, each unit comprising a pair of rolls, and a pair of bars respectively at opposite ends of the rolls in which the rolls are journalled, means for removably connecting intermediate portions of the bars to the respective chains, and means for preventing bars rocking with reference to the chains.

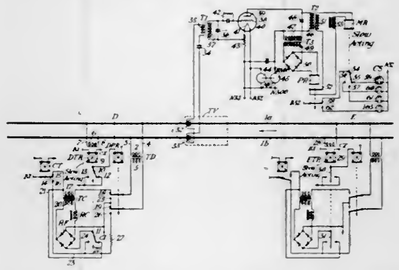
2,277,477
PAPER MANUFACTURE
Cliff R. Crawford, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application August 17, 1939, Serial No. 290,588
2 Claims. (Cl. 92—37)

1. Paper stock handling apparatus of the character described comprising a tank having an end wall and a substantially vertical baffle extending from the end wall to a point spaced from the opposite end of the tank and providing for the circulation of stock in a path of substantially horseshoe form from a supply zone at one side of the baffle to a discharge zone along side of the supply zone at the other side of the baffle, said tank having a horizontally extending trough at an elevated location extending from side to side of the tank and across the supply zone and the discharge zone, said trough having an adjustable wall above the supply zone over which stock flows



throughout substantially the entire width of the supply zone onto the stock in the tank and having a second adjustable wall over the discharge zone over which stock flows throughout substantially the entire width of the discharge zone onto the stock in the tank, and means for withdrawing stock from the discharge zone at one side of the baffle and forcing it up into said trough at the other side of the baffle.

2,277,478
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ralph K. Crooks, Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 25, 1941, Serial No. 380,416
18 Claims. (Cl. 246—63)



1. In railway traffic controlling apparatus the combination comprising, a track section, a source of alternating current, a circuit to connect said source to the rails of said section, means to periodically interrupt said circuit to cause the current supplied to the rails to have alternate on and off periods, code forming means having a variable reactance included in said circuit and effective to cause an increasing amplitude or a decreasing amplitude of the alternating current each on period according as said reactance is progressively decreased or increased during the on period, and traffic controlled means effective under one traffic condition to progressively decrease said reactance during each on period and effective under another traffic condition to progressively increase said reactance during each on period

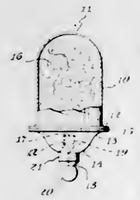
2,277,479
ACETOACETIC ESTER-FORMALDEHYDE RESINS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 13, 1938, Serial No. 224,799
1 Claim. (Cl. 260—67)

The method of preparing a resinous composition which comprises refluxing under heat ethyl acetoacetate and an aqueous solution of formaldehyde in the ratio of one mol of the former to substantially more than one mol of the latter in the presence of morpholine as a catalyst, said morpholine being present in the ratio of about 1 part of morpholine to 100 parts of ethyl acetoacetate, heating the reaction mixture at about 70° C. to remove the water and then heating at about 160° C. until an insoluble resin results.

2,277,480
UREA - FORMALDEHYDE - CHLORINATED ACETALDEHYDE CONDENSATION PRODUCTS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 9, 1939, Serial No. 289,275
12 Claims. (Cl. 260—68)

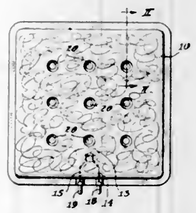
2. A condensation product of ingredients consisting essentially of the following components in the stated molar ratios: (1) one mole urea, (2) at least one mole of formaldehyde and (3) a small amount not exceeding substantially one-fourth mole of a chlorinated acetaldehyde.

2,277,481
FLASH LAMP
Michael J. Neumann de Margitta, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 6, 1939, Serial No. 298,276
In Hungary August 19, 1939
3 Claims. (Cl. 67—31)



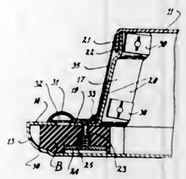
2. A flashlamp comprising an envelope closed by a dish-shaped base of self-supporting cellulose acetate, a combustible metal, an active gas and igniting means in said envelope, an integral extension of cellulose acetate on the underside of said dish-shaped base, a connection from said igniting means extending through said extension and an electrical contact member on the end of said extension and connected to said connection, a second contact member supported on said extension and a second connection passing through said base to said igniting means.

2,277,482
PHOTOFLASH LAMP
Michael J. Neumann de Margitta, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,741
7 Claims. (Cl. 67—31)



5. A flashlamp comprising two dish-shaped sections of light transmitting plastic material secured peripherally one to the other with a pressure-resisting seal and forming a hollow-body container, a filler in said container comprising combustible material and combustion-supporting gas under pressure intimately interspersed with said material, an igniting device also in said container and intimately associated with both said gas and material, and conductors for the igniting device sealed through the peripherally-secured edges from exterior to interior of said container.

2,277,483
DOOR CONSTRUCTION
Walter A. Ellsworth, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application December 12, 1939, Serial No. 308,805
2 Claims. (Cl. 20—35)



1. A refrigerator door comprising an outer covering member, an edge extending marginally about the same, an inturned marginal flange on said edge, corners in said covering edge and flange, corner block means of nonmetallic material wedge beneath said flange at each said corner, angularly extending clips secured to said corner block in spaced relation to said outer covering member, an inner covering member marginally secured to said clips, and closing strips secured between said angular corner members.

2,277,484
TURBINE BLADE CONSTRUCTION
Warren B. Flanders, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1939, Serial No. 267,964
3 Claims. (Cl. 253—77)

1. A turbine blade unit comprising a plurality of spaced blades integral with a side-entry root, said root having serrated front and back faces which converge radially inward in relation to the



unit and which are adapted to engage and fit rotor-blade-slot serrated faces.

2,277,485
PROCESS FOR TREATING NUTS
Charles H. Frazier, Cincinnati, Ohio; Mildred B. Frazier administratrix of said Charles H. Frazier, deceased
No Drawing. Application June 8, 1939 Serial No. 278,132
12 Claims. (Cl. 99—126)

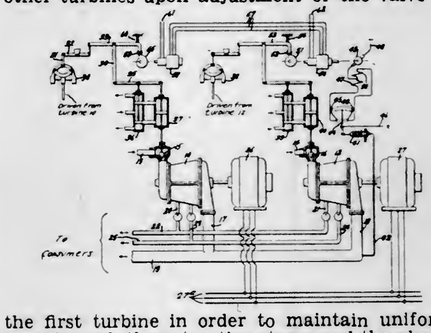
1. A process of treating nuts to soften the shells thereof, which comprises treating said nuts to the action of chlorine in the presence of a catalyst chosen from a class consisting of aluminum chloride, ferric chloride, antimony pentachloride, sulphur monochloride, thionyl chloride, phosphorus pentachloride, and phosphorus trichloride, while controlling the reaction to prevent attack of the kernels of said nuts.

2,277,486
METHOD FOR PRODUCING CELLULOSIC STRUCTURES
Rudolf Gewehr, Freiburg-in-Brisgau, Germany, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1938, Serial No. 238,265. In Germany November 1, 1937
6 Claims. (Cl. 18—54)

4. The process of increasing the affinity for acid and direct dyestuffs of structures spun from a textile filament-forming composition comprised of an organic compound having a high degree of polymerization, which structures do not have a satisfactory affinity for said dyestuffs, which comprises dissolving in said filament-forming composition an aralkylated member of the group consisting of naturally-occurring proteins and deacetylated chitin, spinning said composition into filament structures, and treating said structures with an alkaline saponifying agent therefor.

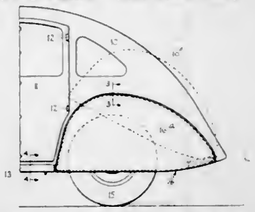
2,277,487
NONCONDENSING TURBINE REGULATING SYSTEM
Werner Guilhauman, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application February 10, 1939, Serial No. 255,742
In Germany February 14, 1938
7 Claims. (Cl. 60—67)

4. The combination of a plurality of non-condensing turbines, an exhaust conduit connecting the exhaust ends of the turbines in parallel, an extraction conduit connected to an intermediate stage of each turbine, each turbine having an admission valve and a governing mechanism for the valve, means for actuating the mechanism of a first turbine in response to variations of an operating condition of such turbine, and means for automatically adjusting the valves of the other turbines upon adjustment of the valve of



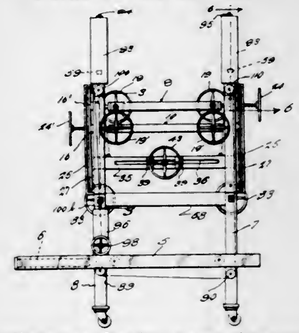
the first turbine in order to maintain uniform flow through the extraction stages and thereby to prevent backflow of fluid from one extraction stage to another.

2,277,488
AUTOMOBILE WHEEL COVER
Jules Haltenberger, Ann Arbor, Mich.
Application April 1, 1938, Serial No. 199,362
11 Claims. (Cl. 280—153)



10. In a vehicle, a running wheel encasing structure comprising a fixed part and a removable encasing part, said parts having overlapping edges, engaging means upon said parts, and a manually actuated latch and ejector part movable into different positions and acting through said first means to urge said removable part into assembled relation with said fixed part when moved into one position, and forcibly out of said assembled relation when moved into another position.

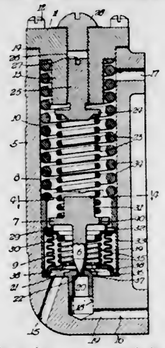
2,277,489
RADIATOR BENDING MACHINE
William L. Harrison, Lottsburg, Va.
Application May 24, 1939, Serial No. 275,557
5 Claims. (Cl. 153—48)



1. A radiator re-shaping apparatus comprising

a stationary frame, a pair of radiator holding units vertically movable in the stationary frame, each provided with a U-shaped horizontally disposed member and a clamp bar movably disposed therein; means on each of the units for feeding the clamp bar against a radiator disposed through the U-shaped frame, and adjusting means for each of the units constructed and arranged to shift the U-shaped frame horizontally.

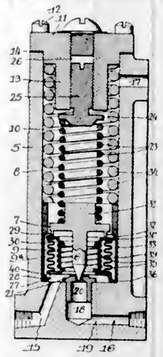
2,277,490
VALVE STRUCTURE
Matthew W. Huber, Chicago, Ill., assignor to The Tuthill Pump Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1940, Serial No. 315,789
20 Claims. (Cl. 137—153)



1. A valve structure comprising a housing having adjoining pressure and by-pass chambers therein and also having an inlet for liquid under pressure leading to the pressure chamber and an outlet leading from the latter and in addition a by-pass leading from the by-pass chamber, outlet and by-pass valves in the housing adapted, upon flow of liquid into the pressure chamber and in response to the pressure of the liquid in said pressure chamber, to move into open positions wherein they permit part of the liquid in the pressure chamber to flow through the outlet and the remainder or excess to flow through the by-pass chamber into the by-pass, means for preventing flow of liquid from the pressure chamber into the by-pass chamber during initial opening of the valves, including a coacting valve seat for the by-pass valve movable with said by-pass valve during its initial opening movement and arranged and adapted at the end of said movement to be arrested so that upon further opening of the by-pass valve communication is established between the two chambers, and means for retracting the two valves and said seat upon stoppage of the flow of liquid into the pressure chamber.

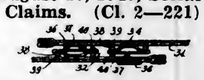
2,277,491
VALVE STRUCTURE
Matthew W. Huber, Chicago, Ill., assignor to Huthill Pump Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1940, Serial No. 333,119
8 Claims. (Cl. 137—153)

1. In a valve structure, a casing having an inlet, a supply outlet and a by-pass outlet, a supply expansible bellows member in said casing, with one end enclosing said inlet and supply outlet to define an expansible chamber, said bellows member also having a by-pass valve seat at the other end mounted for movement toward and away from said supply outlet and affording communication with said by-pass outlet, a valve member for said by-pass outlet valve seat and a valve member for said supply outlet movable with said by-pass valve member, said expansible



chamber having a purging orifice independent of said by-pass valve member affording direct communication between the interior and exterior of said chamber tending to equalize the pressure effective on opposite sides of the expansible side walls of said bellows member.

2,277,492
REVERSIBLE SKIRT
Raphael Kamhi, South Norwalk, Conn.
Application August 17, 1940, Serial No. 353,041
2 Claims. (Cl. 2—221)

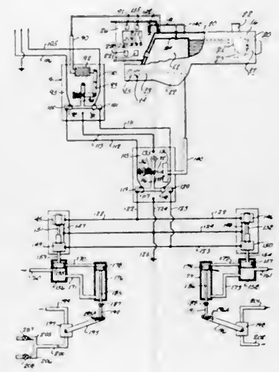


1. A reversible skirt comprising a skirt body having a slit extended inwards from its top edge with the edge portions thereof overlapping, a pair of adjacent strips mounted in adjacent faces of said overlapping portions, fastening elements on the adjacent faces of said strips and overlapping portions, and means for holding said strips in various relatively spaced positions, said means comprising snap fastener elements mounted on said strip and selectively engageable with complementary snap fastener elements on the adjacent face of its respective overlapping portion.

2,277,493
DRAFT PRODUCING AND REGULATING MEANS
Newton Frank Lane, Decatur, Ill.
Application November 20, 1939, Serial No. 305,323
5 Claims. (Cl. 236—14)

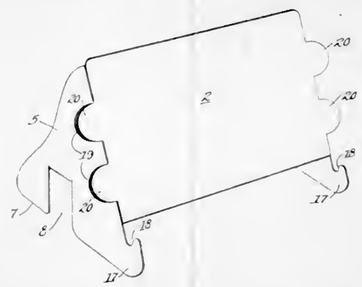
1. In combination in a steam locomotive, a balanced draft producing and control system including a steam turbine-driven blower of forced-draft type, having its outlet ahead of the grates and adapted to force a supply of combustion air therethrough, a steam turbine-driven induced-draft blower located in the smoke box of the locomotive boiler, a fitting forming a discharge passage from the induced draft blower and so directioned as to impart a steam eductive effect to the engine exhaust passages into the stack, and such that exhaust impulses coact in the draft-inducing action of the last said blower, the two blowers being so proportioned with respect to each other as to maintain in the drafting system between the blowers, a pressure substantially of the order

of atmospheric; a control system for the blowers including an energized control circuit, a first pressure-responsive switch in said circuit having a loaded pressure-movable element subjected to draft pressure in an overfire zone, and hence influenced by effect on draft pressure, of exhaust



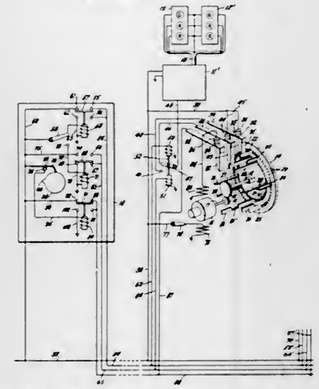
and steam demand, a second, similar pressure-responsive switch subjected to boiler steam pressure, electromagnetic means in said control circuit, and a steam throttle valve for each of the steam turbines, and functional connections between said electromagnetic means and throttle valves.

2,277,494
HOLDER FOR ARTICLES OF PRINTED MATTER
Laurence Loewenstein, Columbus, Ohio
Application July 10, 1939, Serial No. 283,547
1 Claim. (Cl. 45—57)



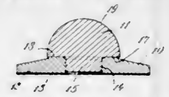
A holder for reading matter comprising a one-piece blank of sheet material having a plurality of angularly related lines of scoring, said blank being foldable on said scored lines to provide rectangular body and bottom sections and a pair of triangular wing sections, the latter being connected with the ends of said body section, the height of said triangular wing sections and the relation thereof to the body being such as to dispose the base edges of said wing sections below the line of connection of the body and bottom sections, hook-like extensions formed on said wing sections between the line of connection of said body and bottom sections and the base edges of said wings, and interengaging tongues and slits formed with the wing and bottom sections to retain the holder in a folded condition.

2,277,495
TRAFFIC CONTROL SYSTEM
Copeland MacAllister, Winchester, Mass., assignor to General Electric Company, a corporation of New York
Application December 4, 1941, Serial No. 421,669
3 Claims. (Cl. 177—337)



1. In a traffic signal system, the combination of a master controller, a secondary controller, conductors interconnecting said controllers, means in said master controller for periodically energizing said conductors individually, and means in said master controller for grounding said conductors respectively at the end of each energization period.

2,277,496
SLIPPER PAD FOR CRANKLESS MECHANISMS
William P. Maines, Kenmore, N. Y., assignor to Michell-Crankless Engines Corporation, New York, N. Y., a corporation of New York
Application December 18, 1939, Serial No. 309,732
2 Claims. (Cl. 308—3)

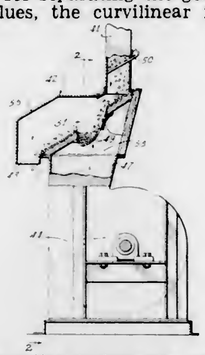


2. A slipper pad structure comprising a member having a substantially flat bearing surface, provided with a surface layer of suitable bearing metal and a member fixedly connected to the first member and having a spherical hardened bearing surface, said first member having an opening therein and said second member having a flat portion seating on the surface surrounding the opening and a projecting portion having a drive fit in said opening.

2,277,497
DRY PLACER MINING APPARATUS
Lyle McLean, Los Angeles, Calif.
Application July 14, 1937, Serial No. 153,562
1 Claim. (Cl. 209—474)

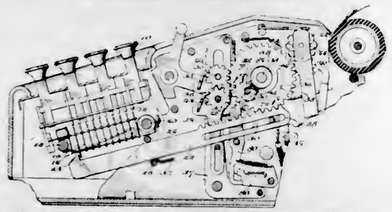
In an apparatus of the class described, in combination with a box providing an admission opening to one end and a discharge opening from the other end, a screen supported in the box between said admission and discharge openings arranged to provide a depressed separation chamber, the floor of which, in longitudinal vertical section, is of a downwardly convex curvilinear contour, and a source of air under pressure and communication therefrom to the underside of said screen for supplying a column of air through the separation chamber to the screen and upwardly through

the separation chamber to gravitationally stratify the material for separating the gold-free refuse from the values, the curvilinear form of said



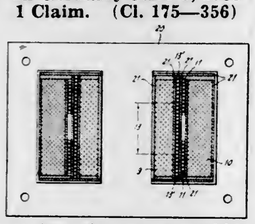
chamber floor acting to impart a swirling action to the air forced through the interstices of the screen.

2,277,498
ADDING MACHINE
Thomas O. Mehan, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1937, Serial No. 148,641
4 Claims. (Cl. 235—60)



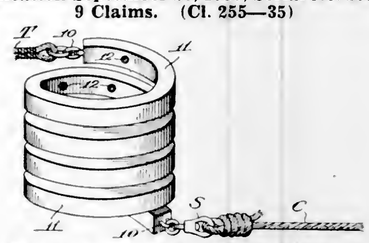
1. In an adding machine, the combination of an accumulator, an amount set-up mechanism, and means to actuate said accumulator in accordance with the amount set up in said mechanism, said means comprising an actuating gear having a hub, a torsion spring surrounding said hub and having a part thereof anchored to said gear, and a member movable to and fro through a fixed distance and engageable with said spring to actuate said gear in either direction by a force transmitted through said spring.

2,277,499
TRANSFORMER
Johan Cornelis Bastiaan Missel, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 26, 1939, Serial No. 275,782
In Germany June 3, 1938
1 Claim. (Cl. 175—356)



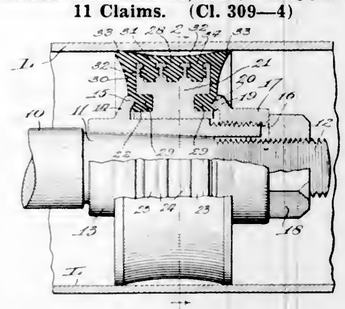
In a power transformer assembly, a primary winding and a plurality of secondary windings, one of said secondary windings forming an electro-static shield between the other secondary winding and the primary winding, said windings being concentrically arranged about one another, said shielding winding being divided into two portions and arranged so that said two portions act to screen the two ends of the other secondary winding from the primary winding, there being provided a space between the adjacent ends of said two portions sufficient to leave the central portions of the other windings free.

2,277,500
CASING OR DRILL PIPE SPINNING ROPE
Pexton F. Murray, Montebello, Calif., assignor to Raphael P. Cooney, Los Angeles, Calif.
Application September 20, 1939, Serial No. 295,787
9 Claims. (Cl. 255—35)



1. As a new article of manufacture, a flexible member for use in spinning casing, drill pipe, and the like, comprising an elongated member formed of rubber, a flexible member of metal embedded in said body of rubber and extending lengthwise therethrough, the ends of which flexible metal member project beyond the ends of the body of rubber, means carried by the projecting ends of the flexible metal member for receiving cables or the like and one of the faces of said elongated body of rubber having recesses formed therein to provide vacuum suction cups.

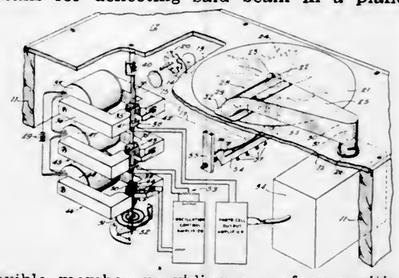
2,277,501
SLUSH PUMP PISTON
Pexton F. Murray, Montebello, Calif., assignor of one-half to A. H. Gandy, Bellflower, Calif.
Application December 28, 1940, Serial No. 372,113
11 Claims. (Cl. 309—4)



6. In a piston for pumps and the like, a piston rod, a two-piece sleeve removably positioned upon said rod, a one-piece ring removably positioned upon said sleeve, the peripheral portion of which ring is provided with a plurality of circumferential undercut grooves and a one-piece body of flexible material enclosing the outer portion of said ring, with integral portions of said body anchored in said undercut grooves.

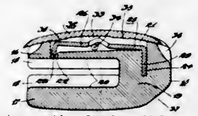
2,277,502
LINE TRACKER
Philip Padva, Los Angeles, Calif.
Application September 20, 1940, Serial No. 357,564
9 Claims. (Cl. 250—41.5)

8. In a system for photoelectrically following a line on a moving chart, which line is formed by means moved in a predetermined basic path, and modified in response to changes in a condition: means for producing a beam of light, movable means for deflecting said beam in a plane, a



flexible member providing a surface positioned in the path of said beam for reflecting the same toward said chart, and means for adjustably bending said member so that the path of the beam on the chart corresponds to said path of said condition responsive means.

2,277,503
AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS
Madison D. Pickens, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application May 13, 1940, Serial No. 334,772
12 Claims. (Cl. 24—205.5)



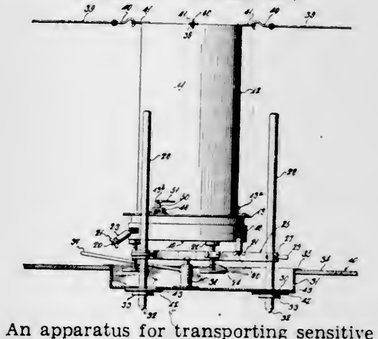
9. In an automatic lock slider for slide fasteners, a slider body having therein a fastener member guide channel, an elongated locking member receiving recess extending inwardly from one side of said slider body and spaced from said guide channel, and a locking member leg receiving recess extending inwardly from one end of said locking member receiving recess, a locking member in said locking member receiving recess comprising an elongated yieldable member having an inwardly directed locking projection at one end normally projecting into said guide channel, an inwardly extending leg at its other end fixed in said leg receiving recess, and having an upstruck loop portion between said locking projection and said leg, and a manually engageable plate-like lock actuating member overlying said locking member receiving recess and having its outer surfaces normally substantially flush with adjacent surfaces of said slider body, and connecting means operatively connecting said lock actuating member with said locking member while retaining said lock actuating member and said slider body together, said connecting means including a loop extending inwardly in said locking member receiving recess from the inner side of said lock actuating member and extending under the upstruck loop portion of said locking member, said coupling means cooperating with said loop portion to cause withdrawal of said locking projection from said fastener member guide channel by lifting said locking member outwardly of said slider body upon manual movement of said lock actuating member either bodily outwardly, tiltably, or slidably in either direction with respect to said slider body.

10. The structure defined in claim 9, said leg of said locking member having at least one saw-toothed notch therein, and the material of said slider body extending therein for anchoring said leg to said slider body.

2,277,504
PURIFICATION OF VINYLIDENE CHLORIDE POLYMERS
Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 14, 1939, Serial No. 250,932
8 Claims. (Cl. 260—80)

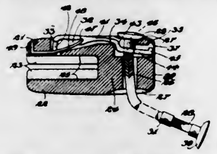
1. The method of removing peroxide- and metal compound-containing catalyst residues and low molecular weight polymers from a polymeric material selected from the class consisting of polymeric vinyl halides, polymeric vinylidene halides, co-polymers of vinyl halides which are insoluble in and recoverable from acid aqueous lower aliphatic alcohols and acid aqueous lower aliphatic ketones, and co-polymers of vinylidene halides which are insoluble in and recoverable from acid aqueous lower aliphatic alcohols and acid aqueous lower aliphatic ketones, which comprises washing the finely divided and insoluble polymeric material with an aqueous mineral acid to remove metal compounds, and with a volatile water-soluble organic solvent selected from the group consisting of the water-soluble lower aliphatic alcohols and water-soluble lower aliphatic ketones, to serve as a wetting agent for the polymer and to extract therefrom thermo-instable compounds including low molecular weight polymers, thereby to produce a purified form of the polymer in a state of improved thermostability.

2,277,505
CARRYING DEVICE FOR GEOPHYSICAL INSTRUMENTS
Charles H. Barker and Kearny Q. Robert, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 24, 1940, Serial No. 320,724
4 Claims. (Cl. 265—1.4)



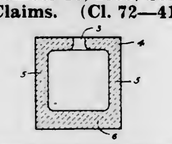
2. An apparatus for transporting sensitive instruments which depend upon contact with the earth's surface for their operation that comprises in combination, a base structure and a cushion structure thereon for yieldably supporting said instrument, releasable means for rigidly mounting said base in a vehicle body, means associated with said base and projectable into contact with the earth's surface through but out of contact with the vehicle body, and means for leveling said instrument upon said contacting means.

2,277,506
REVERSIBLE AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS
George M. Beckwith, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application May 13, 1940, Serial No. 334,726
11 Claims. (Cl. 24—205.5)



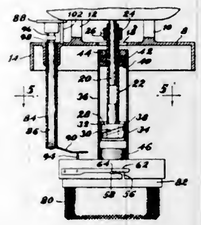
11. In a slider for slide fasteners, a slider body having a fastener member guide channel therein, a longitudinal locking member receiving recess in one side of said slider body, a longitudinal locking member in said recess having one end thereof constantly biased in one direction toward locking position, a locking projection on said last-named end of said longitudinal locking member normally projected into said fastener member guide channel, biasing means yieldingly urging said last-named end of said locking member toward locking position, said locking member having a pull member receiving aperture adjacent its other end, said slider body having a pull member receiving bore extending therethrough from side to side and substantially aligned with said pull member receiving aperture in said locking member, said locking member receiving recess defining oppositely directed fulcrums engageable with opposite surfaces of said locking member at opposite sides of the pull member receiving aperture in said locking member, and lock actuating means operable for overbalancing said biasing means and moving said locking member away from locking position, said lock actuating means including a flexible pull member extending through the pull member receiving aperture in said locking member and through the pull member receiving bore in said slider body, and a pair of spaced stop members fixed to said flexible pull member at opposite sides of said locking member and engageable alternately with opposite surfaces of said locking member upon application of tension to said flexible pull member in opposite directions for operating said locking member against said biasing means alternately as a lever of the first class about one of said fulcrums upon application of tension in one direction to said pull member or as a lever of the third class about the other of said fulcrums upon application of tension in the other direction, toward unlocking position, said fulcrums normally engaging opposite surfaces of said locking member to limit movement thereof toward locking position under the influence of said biasing means.

2,277,507
HOLLOW TILE
Raymond C. Benner and John Charles McMullen, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application December 16, 1938, Serial No. 246,096
4 Claims. (Cl. 72—41)



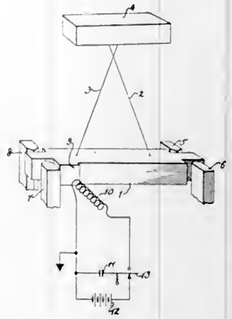
1. A hollow fused cast refractory block for insertion in a furnace wall, said block being composed of crystalline refractory oxidic material and consisting of five solid walls surrounding a central cavity constituting a substantial portion of the overall volume of said block, said cavity communicating with the exterior of the block by means of an opening on the sixth side of said block and slightly smaller in area than the cross-sectional area of said cavity.

2,277,508
AGITATOR
Herbert B. Bingham, Waltham, Mass., assignor of one-half to C. Yardley Chittick, Waban, Mass.
Application February 11, 1941, Serial No. 378,408
14 Claims. (Cl. 141—1)



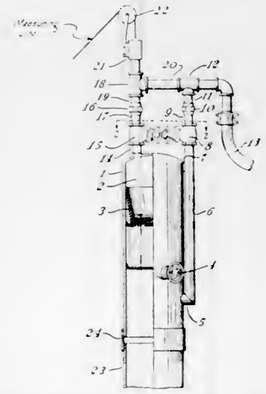
3. An agitator comprising a motor having a shaft extending downwardly therefrom and a basket having a shaft extending upwardly and axially therefrom, a cam and follower interposed between said motor shaft and said basket shaft, one connected to the motor shaft, the other connected to the basket shaft, means for restraining said basket against rotation while permitting vertical movement, whereby, upon rotation of said motor shaft said basket will be reciprocated vertically, and means for freeing said basket of said restraining means, the friction between said cam and follower being sufficient to cause rotation of said basket when the latter has been freed of said restraining means.

2,277,509
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,054
2 Claims. (Cl. 265—1.4)



1. In a gravity meter in which a mass is resiliently suspended from a support during the measuring process, the improvement that comprises means for producing a damping impulse, said means including an inductive coil fixed to the support, an electrical capacitance, means for electrically charging the capacitance, means for discharging capacitance through inductive coil, and an electro-conductive non-magnetic element attached to the mass adjacent the inductive coil whereby a discharge of the capacitance through the inductive coil will produce a momentary repulsion force between the mass and the inductive coil.

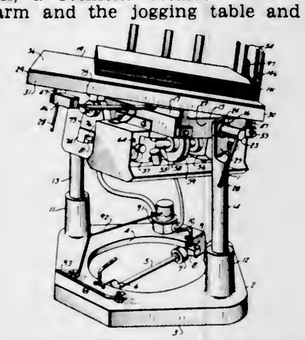
2,277,510
CEMENTING HEAD
Leo A. Courter, Seminole, Okla., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 2, 1941, Serial No. 372,791
7 Claims. (Cl. 166—14)



1. In combination with a well casing and a plug adapted to move through the casing, a tubular housing closed at its upper end and attached at its lower end to the casing, said tubular housing being adapted to releasably support the plug, pipes communicating with the interior of the tubular housing at points above and below the supported plug, said pipes also communicating with each other and having a common inlet for the entry of fluid thereinto, a valve in each pipe above the top of the housing with the handles thereof projecting inwardly over the top of the housing and coupling means associated with each pipe above the valves adapted to detachably connect the portions of pipes above the valves from portions below the valves without rotation of said pipes.

2,277,511
JOGGING MACHINE
Dietrich Daneke, Topeka, Kans., assignor to Fred M. Brackett, Topeka, Kans.
Application April 27, 1940, Serial No. 331,994
14 Claims. (Cl. 271—89)

1. A machine of the character described including a support, a jogging table, means resiliently mounting the jogging table on the support, a shaft rotatable on the support, an eccentric on the shaft, a needle bearing on the eccentric, an eccentric strap engaging the needle bearing, a rocker arm pivoted on the support, a resilient connector between the eccentric strap and the rocker arm and having rigid connection therewith, a resilient connector between the rocker arm and the jogging table and having

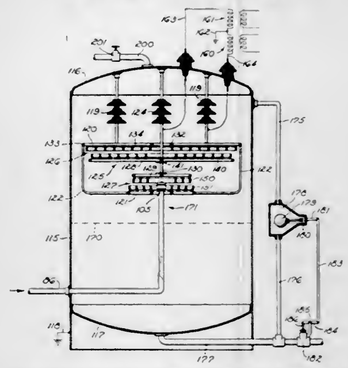


rigid connections therewith, and means for rotating the shaft.

2,277,512
CATALYST
Martin de Simó, Piedmont, and Frank Matthew McMillan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 28, 1939, Serial No. 292,295
7 Claims. (Cl. 252—211)

1. A solid catalyst comprising an anhydrous aluminum halide promoted by and supported upon crystalline alumina alpha monohydrate prepared by partial dehydration of crystalline alpha alumina trihydrate precipitated from a solution of sodium aluminate.

2,277,513
ELECTRIC APPARATUS FOR TREATING EMULSIONS
Harold C. Eddy, Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Original application January 26, 1937, Serial No. 122,470. Divided and this application July 11, 1938, Serial No. 218,681
6 Claims. (Cl. 204—302)



1. In combination in an electric treater including a tank: an upper live electrode in said tank; a lower live electrode in said tank; an intermediate live electrode structure between said upper and lower live electrodes and cooperating therewith in defining upper and lower treating spaces;

means for impressing a potential difference between said intermediate electrode structure and said upper and said lower live electrodes; introduction means grounded to said tank for discharging a fluid to be treated radially into said lower treating space at a position intermediate the upper and lower ends thereof; and means for insulating said upper, lower and intermediate electrode structures from said tank and grounded introduction means whereby auxiliary electric fields are set up between said grounded introduction means and the live electrodes bounding said lower treating space and between the tank and each of the electrodes.

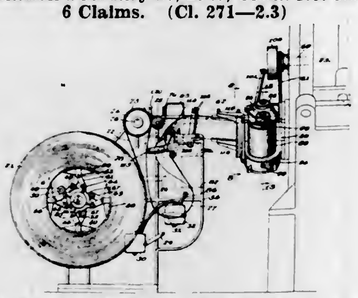
2,277,514

MECHANISM FOR FEEDING STRIP STOCK

William Elser, Toledo, Ohio, assignor to Owens-Illinois Can Company, a corporation of Delaware

Application February 17, 1940, Serial No. 319,514

6 Claims. (Cl. 271—2.3)



1. Apparatus for drawing and feeding sheet metal strip stock, which comprises drawing rolls for drawing the stock from a source of supply, a pair of feed rolls having their axes extending in a direction inclined to the axes of the drawing rolls, means for driving the feed rolls and drawing rolls, means for guiding the strip of stock in a path extending from the drawing rolls to the feed rolls, and means for twisting the strip during its movement along said path and thereby changing the angle of the strip to correspond to the inclination of the feed rolls, said twisting means comprising pairs of guiding rolls, the strip being passed between the rolls of each said pair, the pairs of guiding rolls being arranged at different angles.

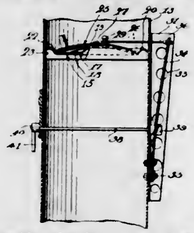
2,277,515

THERMOSTATIC DRAFT CONTROL

Clennie B. Harrell, Metropolis, Ill.

Application July 22, 1940, Serial No. 346,827

2 Claims. (Cl. 236—96)



1. An automatic draft control for stoves and the like consisting of a flue member, a thermostatic bi-metallic strip fixed at one end in relation thereto and having its opposite end free to swing under variations of temperature, a port plate in the flue, a shutter movable thereon to close the port plate and to open the same, operative connections between the swinging end of said bi-metallic strip and said shutter, said strip extending beside said flue in spaced relation, a shaft revolubly mounted across the flue, adjacent an intermediate portion of the strip, substantially at right angles to the strip, and having a spiral groove cam thereon, the groove receiving an edge portion of the bi-metallic strip, a pointer lever on the opposite end of the shaft, and a channel guard device mounted between the flue and said bi-metallic strip, open at the top and bottom and having side flanges provided with vertically spaced apertures.

2,277,516

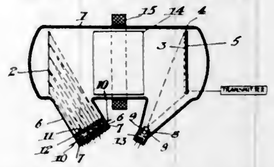
METHOD AND APPARATUS FOR FREQUENCY CHANGING

François Charles Pierre Henroteau, Liege, Belgium

Application January 20, 1939, Serial No. 252,030

In Belgium January 20, 1938

12 Claims. (Cl. 250—150)



12. Apparatus for use in the electrical transmission of messages comprising an envelope containing a mosaic capable of electron emission, means for causing each of a number of different areas of said mosaic to be scanned by a different beam of electrons, and means for causing the whole of said mosaic to be scanned by one beam of electrons having a speed substantially different from the speed of the electrons of the first mentioned beams.

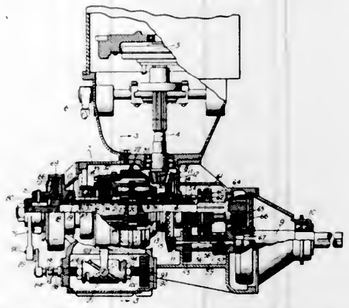
2,277,517

TRANSMISSION

Gebhard Jaeger, Columbus, Ohio, and Chris Gerst, Detroit, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio

Application October 18, 1939, Serial No. 300,024

1 Claim. (Cl. 192—94)



In a device of the type described, an actuating member adapted to be moved in opposite directions, means for moving said actuating member, said means comprising a rotatably mounted shaft, a sleeve splined on said shaft, means for

normally maintaining said sleeve in a predetermined position on said shaft comprising a pair of compression springs disposed around said shaft and opposing each other, each of said springs having its inner end engaging said sleeve and its outer end engaging a collar longitudinally adjustable on said shaft, said actuating member having portions which interfit with helical grooves formed in said sleeves so that rotation of said shaft and sleeve will move said actuating member longitudinally of said sleeve in either direction depending upon the direction of rotation of said shaft, said springs permitting limited movement of said sleeve on said shaft for causing a resilient pressure to be exerted on said actuating member after it has been moved to its final position in either direction.

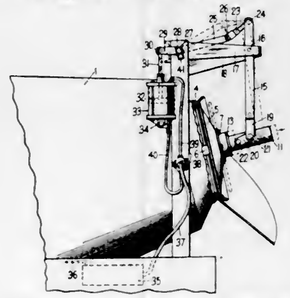
2,277,518

DOOR STRUCTURE FOR MIXERS

Gebhard Jaeger and Clarence I. Bohmer, Columbus, Ohio, and Chris Gerst, Detroit, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio

Application August 2, 1940, Serial No. 349,556

2 Claims. (Cl. 259—176)



1. In combination, a mixing drum mounted for rotation, said drum being provided with an opening in one end thereof, a door associated with said opening, said door being slidably mounted for axial movement on a support disposed centrally of said opening, said door being adapted to rotate with the drum, means for moving said door axially of said support to open or close said opening, said means including a movable control member mounted adjacent said door, means for connecting said control member to said door in such a manner as to permit relative rotation of said door, said door and said support being provided with cooperating portions which engage each other to produce positive rotation of the door as it approaches closed position.

2,277,519

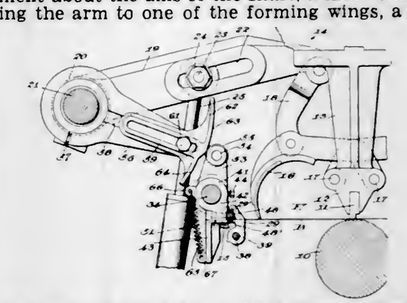
CAN BODY FORMING APPARATUS

Ed Laxo, Riverside, Ill., assignor to Owens-Illinois Can Company, a corporation of Delaware

Application May 23, 1939, Serial No. 275,192

4 Claims. (Cl. 153—44)

1. In a machine for making can bodies, in combination, a forming horn upon which the body blanks are formed, a pair of forming wings adapted to close about the horn, means for moving the wings between open and closed positions, means for clamping a flat blank in a horizontal position tangentially on the horn, and means for releasably supporting each side edge of the blank, said means comprising a tiltable member, a shoulder piece on the member for supporting a side edge of the blank and movable upon tilting of the member from a supporting position beneath the edge to a retracted position, a horizontal shaft, a rocker arm mounted for movement about the axis of the shaft, a link connecting the arm to one of the forming wings, a second arm mounted for rocking movement about the axis of the shaft, means preventing relative movement between said arms, a cam member on said second arm, means on the tiltable member engaging said cam member, and means for tilting said first mentioned arm.



2,277,520

METHOD OF MAKING COATED ABRASIVES

Harry C. Martin and Carl W. Foss, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application March 2, 1936, Serial No. 66,627

6 Claims. (Cl. 51—293)



1. In the method of making abrasive coated products the steps which comprise coating a backing material with a layer of adhesive, applying an open coating of abrasive grains to the adhesive coating so as to leave a substantial proportion of the adhesive uncoated with the grains, and then additionally coating the coated surface with adhesive and a secondary coating of abrasive grains, whereby the coated surface comprises uniformly distributed areas coated with single abrasive grains interspersed with areas coated with clusters containing a plurality of grains.

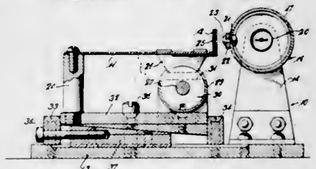
2,277,521

TIMING DEVICE

Malcolm D. McCarty, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1938, Serial No. 237,792

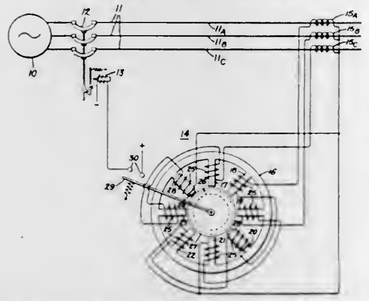
2 Claims. (Cl. 172—126)



2. In an electric timing device for oscillographs, a vibrating element, a thin armature supported on the moving end of said vibrating element parallel to the plane of vibration of said element, a disk-shaped member provided with a slot intermediate the peripheral edges thereof

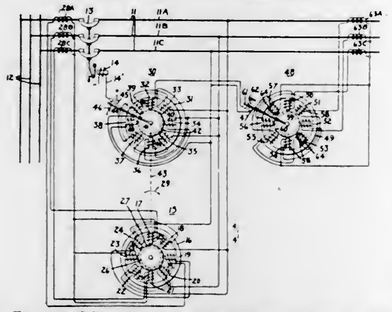
in which a portion of said armature moves during vibration of said element, a plurality of coils coaxial with said disk-shaped member, and means completing a magnetic circuit about said coils at each side of said disk-shaped member from the center to the periphery thereof.

2,277,522
PHASE-SEQUENCE APPARATUS
Andrew J. McConnell, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application May 4, 1940, Serial No. 333,377
12 Claims. (Cl. 175—294)



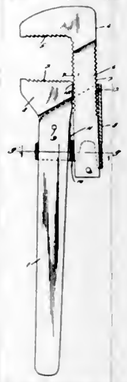
1. In combination with a system of polyphase alternating-current electric quantities, an electroresponsive device comprising a single movable current-conducting element, electromagnetic means for actuating said element comprising a multipole magnetic member including windings thereon, means for energizing said windings with said polyphase quantities in a predetermined order to provide an operating torque on said single movable current-conducting element dependent upon only one of the phase-sequence components of the electric quantities in said system.

2,277,523
PROTECTIVE ARRANGEMENT FOR ELECTRIC SYSTEMS
Andrew J. McConnell, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application June 14, 1940, Serial No. 340,522
16 Claims. (Cl. 175—294)



1. In combination, a polyphase circuit, fault-responsive protective means therefor including a polyphase directional relay arranged to be energized in accordance with the voltage and current of the circuit for operation in accordance with an impedance characteristic between the relay location and a fault including a polyphase restraining means for preventing the operation of said relay until a predetermined condition occurs on said circuit, and means for varying said restraint in response to the type of predetermined condition occurring on said circuit.

2,277,524
DOUBLE LOCK PIPE WRENCH
Wallace B. McLeod, Cornelius, Oreg.
Application February 5, 1941, Serial No. 377,558
1 Claim. (Cl. 81—103)

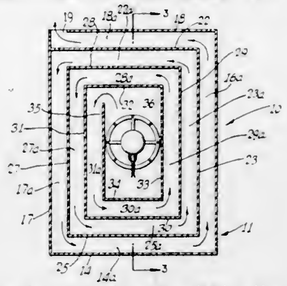


In a wrench of the class described, a casing, a handle part passing into the casing adjacent a side edge thereof and having a jaw on its inner end located outwardly of the front end of the casing, a pivot pin connecting the handle part adjacent the jaw to the casing, an L-shaped jaw member having its short arm forming a jaw which is opposite the first-mentioned jaw and its long arm forming a shank which passes through the casing adjacent the other side edge thereof, said other side edge being of greater length than the first side edge, a short partition in the rear of the casing between the handle part and the shank, a spring carried by the handle part and engaging the partition, a dog carried by the first jaw and the shank having notches in its inner side edge for receiving the dog under the action of the spring, the other side edge of the shank having notches therein, a pin passing through the outer side edge of the casing adjacent the front end of the casing for engaging the last-mentioned notches, a finger part at the rear of the casing on the side edge thereof adjacent the shank for imparting rocking movement to the parts against the spring to release the dog and pin from the notches, the pivot pin, the last-mentioned pin and the finger part forming a triangle, whereby by pressing upon the finger part the parts will be moved to a position to release the dog and pin from the notches of the shank to permit outward movement of the shank and its jaw when the wrench is swung downwardly and a projection on the rear end of the shank for engaging the casing to limit outward movement of the shank and its jaw.

2,277,525
SOUND AMPLIFIER
Randolph Piercy Mercurius, New York, N. Y.
Application April 28, 1941, Serial No. 390,834
1 Claim. (Cl. 181—31)

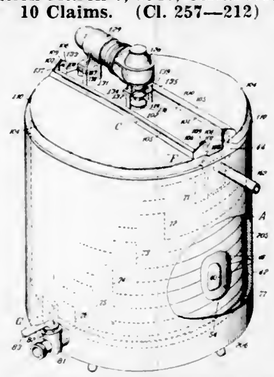
A sound amplifier of the character described comprising a cabinet having a front wall, a rear wall, a bottom wall, side walls, and a top wall,

said front wall being formed with a central opening, the top wall being formed adjacent one end with an exit opening, a wall interconnecting the front and rear walls and spaced below the top wall, and forming a passage therewith communicating with said exit opening, a wall interconnecting the front and rear walls and disposed parallel to one of the side walls, and forming a passage therewith communicating with the first



passage, a horizontal wall within the cabinet, parallel to the bottom wall, and forming a passage therewith communicating with the last mentioned passage, and other horizontal and vertical walls interconnecting the front and rear walls and forming a passage with the first mentioned passages, and also forming a central chamber at the center of the cabinet, and a loud speaker within said central chamber attached to the front wall, over the opening therein.

2,277,526
VAT
Timothy Mojonnier and Julius J. Mojonnier, Oak Park, and Oliver W. Mojonnier, River Forest, Ill., assignors of Mojonnier Bros. Co., a corporation of Illinois
Application March 7, 1940, Serial No. 322,770
10 Claims. (Cl. 257—212)

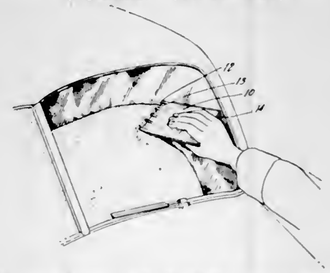


1. A vat of the class described comprising a fluid-contacting side wall and a fluid-contacting bottom secured together and forming a fluid-contacting shell, a supplemental wall outward of said fluid-contacting wall and spaced from the same, a series of horizontal members extending between said side wall and said supplemental wall dividing said space into parallel channels, housings communicating with the uppermost and lowermost channels and spaced peripherally of the vat, and a series of bulkheads cooperating with openings in said horizontal members, said bulkheads and openings alternating in a line between said housings, one end bulkhead being located at one side of one of said housings and the other bulkhead being located at the other side of the other of said housings, said bulkheads and openings cooperating to guide the flow first along one level, then passing through an opening to another, and then at that level, and so on, the same providing a unidirectional flow from one housing to the other.

2,277,527
PROCESS OF PRODUCING FAST DYEINGS ON VULCANIZED FIBER AND THE DYED FIBER OBTAINED THEREBY
Josef Nüsslein, Frankfort-on-the-Main, and Werner Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 14, 1939, Serial No. 299,572. In Germany October 10, 1938
6 Claims. (Cl. 8—7)

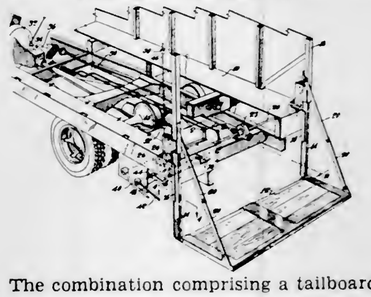
1. Process of producing fast dyeings on vulcanized fiber which comprises applying to the finished vulcanized fiber leuco-esters of vat dyestuffs and producing the vat dyestuff in and on the fiber by splitting off the ester groups and oxidizing.

2,277,528
WINDSHIELD ICE SCRAPER
Charles L. Osborn, Cheyenne, Wyo
Application December 21, 1940, Serial No. 371,158
5 Claims. (Cl. 15—236)



4. A windshield ice scraper comprising a flat metallic plate; a scraping edge on said plate; and a plurality of spaced-apart, relatively narrow, ice breaking blades projecting forwardly beyond said scraping edge, said blades joining said plate rearwardly of said scraping edge and lying in the same plane therewith.

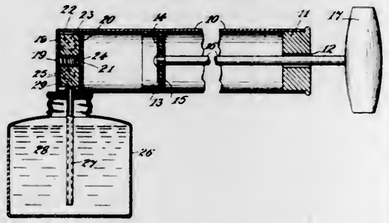
2,277,529
TAILBOARD
Frank Richter, Weehawken, N. J., assignor to Mollie E. Richter, Weehawken, N. J.
Application September 6, 1939, Serial No. 293,538
9 Claims. (Cl. 214—75)



1. The combination comprising a tailboard, an

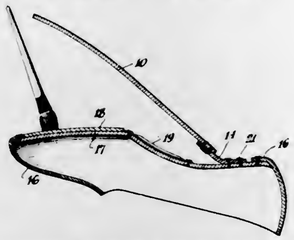
upright vertically-movable support therefor, a rotatable element, and a traction element having two ends attached respectively to said support at spaced points thereof and having contact with said rotatable element a vertical portion of one end of said traction element extending parallel to said support, a vertical portion of the other end of said traction element extending parallel to said support, the length of each of said portions depending upon the position of said tailboard, the combined lengths of portions being substantially constant.

2,277,530
SPRAYING DEVICE
William H. Rose, Jersey City, N. J.
Application February 28, 1941, Serial No. 381,107
4 Claims. (Cl. 299—88)



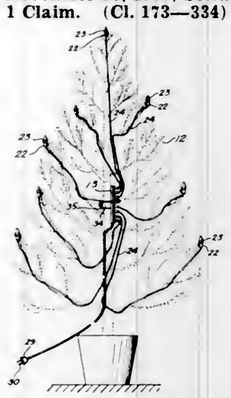
1. In a spraying device, a liquid-containing compartment having an exit opening and being adapted to be connected to a source of air pressure, a liquid absorbent material within said liquid-containing compartment, a coiled member within said liquid absorbent material directed toward said exit opening, and means whereby air from said air source is adapted to force liquid drawn from the space between the coils of said coiled member through said coiled member into said exit opening causing said liquid to be emitted in the form of a spray.

2,277,531
MANUFACTURE OF SHORT SOLED FOOTWEAR
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 2, 1938, Serial No. 193,456
7 Claims. (Cl. 12—142)



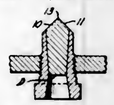
1. A rounded outsole adapted to be cemented to a shoe bottom, said outsole having a forepart and shank portion terminating rearwardly at the heel breast line and having the marginal portions of its flesh side roughed and coated with cement, a separate plug, and means temporarily fastening the forward portion of said plug against the central portion of the rear part of said outsole between its cemented margins, the remaining portion of said plug projecting rearwardly from said outsole in position to be held by locating fasteners against the heel seat of a shoe.

2,277,532
CHRISTMAS TREE LIGHTING OUTFIT
William G. Smith, Jr., Noroton, Conn.
Application November 10, 1939, Serial No. 303,792
1 Claim. (Cl. 173—334)



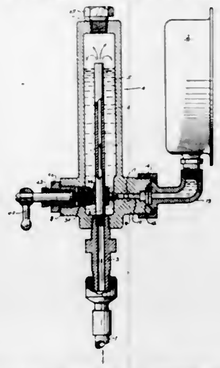
A tree lighting outfit comprising an insulating body including a base member and a top member detachably connected, a plurality of receptacle contact members each comprising a metal strip bent to substantially U-shape so that the side legs form spring contacts, the free ends of said legs being bent laterally to form guides for the contact blades of an attachment plug cap, said contact members being mounted on the base member and arranged in two laterally spaced rows with the members in each row in alignment and spaced from each other and with the contact legs of each member in one row in alignment with the opposed contact legs of two adjacent contact members in the other row and electrically disconnected therefrom, means securing the connecting base portion of each contact member to the base member of the body, said top member of the body being provided with spaced entrance slots for contact blades leading to the first contacts and arranged in two laterally spaced rows with the slots in one row in alignment with those in the other row to thus form spacer pairs, and means for connecting the end contact members of one row to a house wiring system.

2,277,533
FUSIBLE BLOWOUT PLUG
Lester O. Thompson, Oklahoma City, Okla.
Application April 26, 1939, Serial No. 270,127
2 Claims. (Cl. 122—504.3)



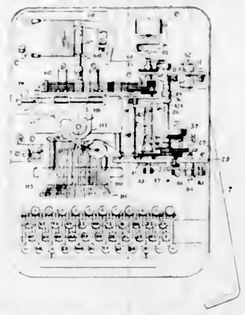
2. A fuse plug comprising: an elongated shell designed to extend through a boiler sheet; means intermediate its ends for securing the shell to the sheet with one end presented to the interior of the boiler; a bore extending longitudinally through the shell; and a fusible core closing the bore, the inner end of the plug terminating in a single plane surface lying at an angle in relation to the axis of the plug sufficient to prevent accumulation of sediment on said surface.

2,277,534
STEAM PRESSURE GAUGE PROTECTOR
Lester O. Thompson, Oklahoma City, Okla.
Application February 23, 1940, Serial No. 320,379
3 Claims. (Cl. 73—31)



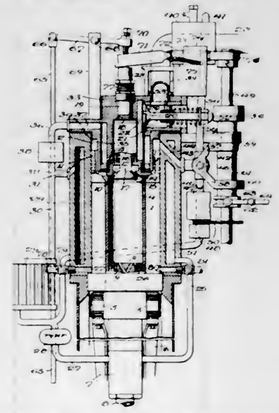
1. A protector for steam pressure gauges comprising: an upright container for liquid; a tube within the container extending upwardly from its bottom and terminating below the top thereof; a steam line connected to the lower end of the tube; liquid in the container below the upper end of the tube; a lateral passage leading from the lower portion of the container and adapted at its outer end to connect a steam pressure gauge; a valve seat at the inner end of said passage; and, a valve head encircling the tube and being manually movable toward and away from the seat, said head extending through the container and being immersed in and cooled by the liquid.

2,277,535
SPRING DRIVEN TYPE-PRINTING TELEGRAPH APPARATUS
Leonid Treml, Moscow, Union of Soviet Socialist Republics
Application September 7, 1939, Serial No. 293,826
In Union of Soviet Socialist Republics July 26, 1939
8 Claims. (Cl. 178—81)



1. A type-printing, start-stop telegraph apparatus for operating on a multi-signal code, comprising a common work shaft, a receiving and transmitting device constituting a single unit mounted on said work shaft, a spring for rotating said work shaft during each working cycle, speed-regulating means of small weight for maintaining the rotational speed of said work shaft substantially constant during the working cycle, said receiving device being adapted to operate and the work shaft being adapted to rotate through its working cycle upon the passage thereto of transmission impulses, means for introducing an angular delay in the commencement of the rotation of said shaft following the initial impulse, and for determining the magnitude of that delay, a manually rewound spring motor, and means for energizing said first-mentioned spring from said motor following each working cycle.

2,277,536
INTERNAL COMBUSTION ENGINE
Marcy L. Whitfield, deceased, late of Mount Gilead, Ohio, by Lellia L. Williams, administratrix, Clearwater, Fla., assignor to Lellia L. Williams, Clearwater, Fla.
Application June 9, 1941, Serial No. 397,329
8 Claims. (Cl. 60—15)

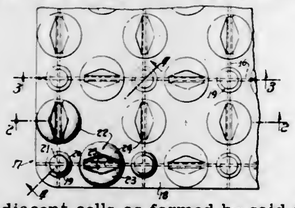


1. An internal combustion engine comprising a high pressure cylinder and a low pressure cylinder, the high pressure cylinder including a stationary cylinder head and a cylinder wall mounted for reciprocation about said stationary cylinder head, the stationary cylinder head and the reciprocating cylinder wall forming between them a combustion chamber, the reciprocating cylinder wall being movable under the expansive force of the products of combustion to transmit power to the power output member of the engine, a piston in the low pressure cylinder connected to the reciprocating cylinder wall of the high pressure cylinder so that they reciprocate as a unit, means for conducting products of combustion from the combustion chamber, after initial expansion therein, to the low pressure cylinder for further expansion against the piston therein, a source of steam and means for introducing steam into the low pressure cylinder to expand against the piston to give a steam stroke.

2,277,537
PACKING MATERIAL
Torris H. Alfreds, Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware
Application July 3, 1939, Serial No. 282,602
10 Claims. (Cl. 217—26.5)

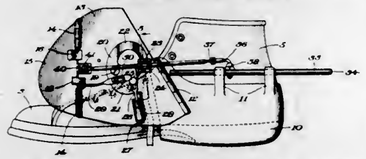
1. A packing material in the form of a cushion pad for use in connection with intersecting strip type of cellular fillers and embodying therein a sheet-like body portion and a plurality of projections rising from and so spaced upon one side of the body portion that when a cellular filler is

engaged upon said side of said body portion, said projections are disposed in the planes of the strips of the filler and certain thereof have parts extending into the area of adjacent cells to provide a four-point support for the articles placed



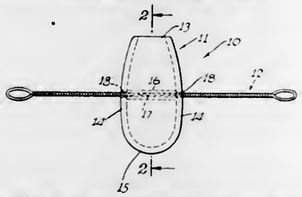
in said adjacent cells as formed by said strips of said filler, said projections having depressed top end portions to receive the bottom edge portions of the strips of said filler in a manner providing support therefor.

2,277,538
SWIMMING DEVICE
Hurchel N. Breeze, Electra, Tex.
Application April 24, 1941, Serial No. 390,197
7 Claims. (Cl. 9—21)



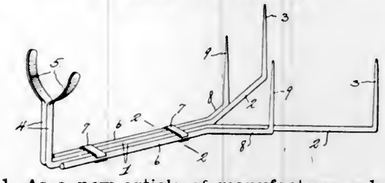
1. In a swimming device of the character described, a support member, a pair of wings pivotally connected to opposed sides of the support, and means connecting the said wings to effect coordinate movement thereof.

2,277,539
TOY
Severino J. Cabanban, New York, N. Y.
Application June 13, 1940, Serial No. 340,289
1 Claim. (Cl. 46—63)



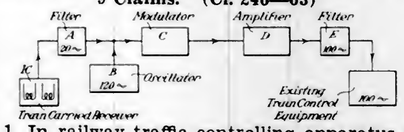
A toy of the character described comprising a hollow shell having the shape of a flattened sphere with the top cut off to form an opening, and forming curved side walls interconnected by a curved wall extending from one side of the opening to the other, the side walls being closer together than the interconnecting wall, and the radius of transverse curvature of the interconnecting wall being less than the radius of curvature of the side walls, said side walls each being formed with a pair of symmetrically disposed openings, the openings in one side wall being aligned with the openings in the other side wall, a looped cord passing through said openings in the side walls, and spaced, transverse, parallel tubes below the opening in the shell interconnecting said side walls and registering with openings in said side walls.

2,277,540
BRUSH HOLDER
Nan J. Clerk, Detroit, Mich.
Application September 6, 1941, Serial No. 409,900
6 Claims. (Cl. 248—110)



1. As a new article of manufacture, a holder for a hair brush comprising a body structure to be placed upon a supporting surface, and a plurality of sets of upstanding and transversely spaced prongs carried by the body structure and upon which the head of the hair brush is adapted to be rested, the prongs of one set being spaced apart a distance greater than the space between an adjacent set of prongs.

2,277,541
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ralph K. Crooks, Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 8, 1941, Serial No. 377,964
9 Claims. (Cl. 246—63)

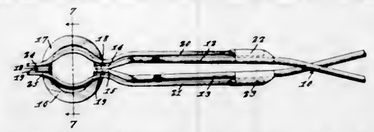


1. In railway traffic controlling apparatus for use with train carried train control equipment effectively operated by alternating current of a preselected first frequency when alternating current of a preselected second frequency is supplied to the rails to induce energy of said second frequency in inductors mounted on the train, the combination comprising; an adapter including a first and a second filter, an oscillator and a modulator; said first filter having input terminals to which said inductors are connected and output terminals connected to the input side of said modulator and proportioned to pass only energy of said second frequency, said oscillator connected to the input side of the modulator and adaptable of delivering oscillations of a frequency which when modulated by the energy passed by said first filter produce as a product of modulation energy of said first frequency, said second filter having input terminals connected to said modulator and proportioned to pass only said energy of said first frequency, and output terminals for said second filter adaptable of connection to said train control equipment.

2,277,542
VALVE KEEPER INSERTING TOOL
Aron C. Curlee, Littleton, Colo.
Application April 29, 1940, Serial No. 332,391
1 Claim. (Cl. 81—3)

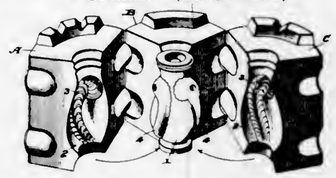
In a valve keeper inserting tool, a length of spring wire shaped to form a crossed loop, a pair of shank sections extending outwardly of the crossed portions of the loop, an arcuate jaw formed on the outer end of each of the said shank sections, the said jaws being yieldingly urged to contacting closed positions by the loop,

a sleeve secured to the inner portion of each shank section and disposed parallel therewith, a resilient arm having its inner end fixed within each sleeve and extending outwardly thereof approximately parallel with each shank section, and



an arcuate jaw formed on the outer end of each resilient arm, the said jaws on the arms being disposed in complementary relation and in coacting association with the jaws on the shank sections for releasably gripping the complementary sections of a valve keeper.

2,277,543
PROCESS OF MOLDING
Thomas Downs, Trenton, N. J.
Application August 18, 1941, Serial No. 407,342
7 Claims. (Cl. 25—156)



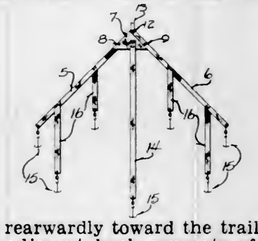
2. An improved process which consists in placing an inner core in a mold with portions of the mold and core contacting and other portions spaced apart to form cavities, pouring "slip" into the mold, and filling the cavities between the core and mold, pouring out the excess "slip," removing the core, then refilling the mold with another "slip" of a different color, and finally pouring out the excess "slip" and removing the cast article from the mold.

2,277,544
PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY
Erich Fischer and Walter Gmelin, Bad Soden in Taunus, and Werner Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1940, Serial No. 367,379. In Germany July 24, 1939
8 Claims. (Cl. 8—42)

1. A process of producing fast dyeings on fibrous material of the group consisting of cellulose fibers and mixtures of cellulose fibers with animal fibers, which comprises applying to the fiber a water-soluble pyrazolone-azo-dyestuff selected from the group consisting of mono- and disazo-dyestuffs which contains in the molecule at least one amino-group capable of being diazotized and at least one grouping capable of forming a metal complex compound, but no hydroxyl group rendering coupling possible, then diazotizing, developing the dyestuff by means of an alkaline treatment and subjecting the dyeings thus obtained to a treatment with an agent yielding metal.

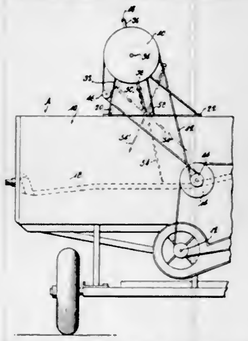
2,277,545
BODY DRAG
Howard A. Gatley, Kenosha, Wis.
Application November 24, 1941, Serial No. 420,239
7 Claims. (Cl. 294—66)

7. A drag of the character described comprising: two rigid side bars; means connecting said rigid side bars at one end; means at said end to which a drag line may be attached so that said end of the side bars constitutes the leading end of the drag; and a plurality of grapple hook supports rigidly fixed to each of said side bars and



extending rearwardly toward the trailing end of the drag, adjacent hook supports of each side bar being of different lengths so that grapple hooks attached to the trailing ends of said supports will be held clear of each other when the drag is in use.

2,277,546
STRAW AGITATOR
Henry Gerlach, Sr., Evansville, Ind.
Application September 19, 1940, Serial No. 357,479
2 Claims. (Cl. 130—22)

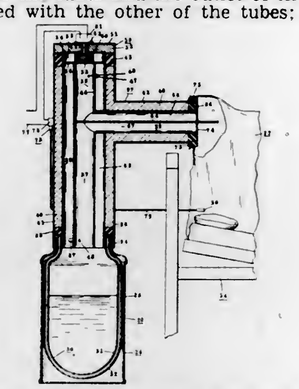


1. An attachment for agitating straw in a combine or grain separator comprising a support adapted to be mounted upon and project above the separator over the straw rack thereof, a crankshaft journalled upon said support, an elongated member rotatably mounted upon the crank of said shaft for reciprocal movement into and out of the body of straw on said straw rack, a guide collar pivotally secured to said support below said crankshaft and receiving said elongated member to permit reciprocal and oscillatory movement of the same, said crankshaft adapted to be rotated to cyclically drive the elongated member while received in said guide collar through at least a portion of the body of straw on said straw rack.

2,277,547
GAS CONDITIONING APPARATUS
Frank W. Hartman, Detroit, Mich., assignor to Henry Ford Hospital, Detroit, Mich., a corporation of Michigan
Application November 25, 1939, Serial No. 306,161
2 Claims. (Cl. 128—191)

1. An apparatus for conditioning gas in an inclosure comprising in combination, a container of volatile fluid, said container having an opening in the top thereof; a tube having one end

connected with the opening in the container and extending substantially vertical; a tube disposed axially within the first mentioned tube for forming two passages; a Sirocco type blower, the inlet of the blower being connected with the upper end of one of the tubes and the outlet of the blower connected with the other of the tubes; a third



tube having one end extending through a wall of the first mentioned tube and connected with the second mentioned tube; and a wall extending lengthwise of the last mentioned tube, and transversely of the tube for dividing the tube into two passages, one end of said wall extending into the second mentioned tube and intersecting the second mentioned tube.

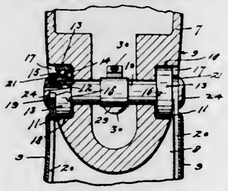
2,277,548

KNEE JOINT FOR ARTIFICIAL LEGS

Manly S. Jackson, Minneapolis, Minn., assignor to The Winkley Artificial Limb Co., Minneapolis, Minn., a corporation of Minnesota

Application January 8, 1940, Serial No. 312,938

2 Claims. (Cl. 3—2)



2. The combination with the upper and the lower sections of an artificial leg, the upper leg section having in its sides a pair of diametrically opposite recesses, and a covering of rawhide applied to the upper leg section and extending into said recesses and completely lining the same, of a knee joint connecting the two leg sections and including a ball bearing mounted in each recess and comprising inner and outer ball races and balls interposed therebetween, said outer ball races being pressed into the recesses and pinching the covering, whereby said outer ball races are frictionally held from turning in the recesses, said lining for the recesses affording seals for the inner ends of the ball bearings.

2,277,549

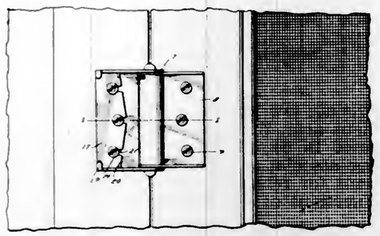
DOOR HINGE

George S. Jervis, Amityville, N. Y.

Application March 17, 1941, Serial No. 383,833

2 Claims. (Cl. 16—149)

1. A hinge comprising a pair of hingedly connected plates adapted for attaching respectively to a door jamb and to a door for swingably mounting the door on the jamb, a plate permanently secured to the jamb under the adjacent hinge plate and having outwardly projecting apertured bosses projecting through the said ad-



jacent hinge plate, screws positioned in said bosses and having heads outwardly of the said hinge plate and a locking plate slidably mounted on the hinge plate and having slots receiving the screws to engage under the heads of the screws for releasably securing the hinge plate to said permanent plate.

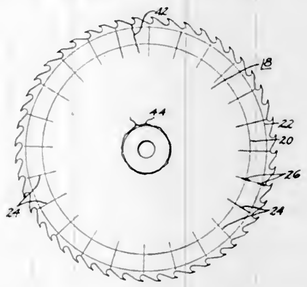
2,277,550

CIRCULAR SAW

Syver A. Johnson, South Bend, Ind.

Application May 2, 1938, Serial No. 205,662

2 Claims. (Cl. 143—133)



1. A circular metal saw having radially extending teeth and a centrally disposed eye wherein a circumferential zone of the metal surrounding the eye is stressed in tension, and the remainder of the metal of the saw between said zone and the radially extending teeth is stressed in compression.

2,277,551

PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY

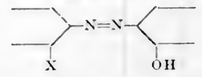
Werner Kirst, Konigstein in Taunus, and Erich Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 27, 1940, Serial No. 367,377. In Germany July 4, 1939

13 Claims. (Cl. 8—22)

1. A process of producing fast dyeings on fibrous material of the group consisting of cellulose fibers and mixtures of cellulose fibers with animal fibers which comprises applying to the fiber an alkali metal salt of a water-soluble azodyestuff containing at least one free amino-

group and at least once the following grouping:



wherein X stands for a member of the group consisting of NH_2, NH.alkyl, $N(alkyl)_2$ and OH, and then aftertreating the dyeing obtained with a mixture of a cobalt salt and an oxidizing agent of the group consisting of chromates, hydrogen peroxide, alkali persulfates and alkali perborates.

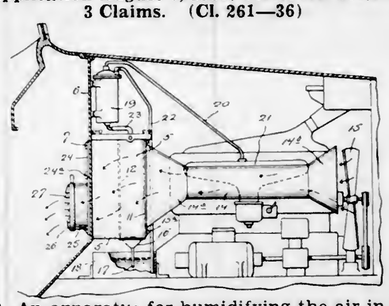
2,277,552

AIR CONDITIONER

George A. Kneedler, Vernon, Tex., assignor of one-third to Charles N. Hobson and one-third to Eugene H. Judd, both of Vernon, Tex.

Application August 7, 1939, Serial No. 288,873

3 Claims. (Cl. 261—36)



2. An apparatus for humidifying the air in the passenger compartment of an automobile, comprising an evaporating pad, means to pass a stream of air through said pad and discharge the same into said passenger compartment, a reservoir positioned to receive water running off said pad, a vacuum driven circulator for withdrawing water from said reservoir and delivering it to the top of said pad, comprising a conduit from the vacuum intake of said circulator to a vacuum point on the engine of said automobile.

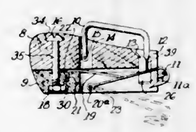
2,277,553

WEEDLESS BAIT

Eric William Malmborg, Detroit, Mich.

Application October 28, 1940, Serial No. 363,139

9 Claims. (Cl. 43—39)



1. A weedless fishing bait and hook assembly comprising an upper body member, a lower body member, slots in said body members, hooks in said slots, resilient means engaging said hooks to normally urge the same down and outward from said slots, pressure responding members connected to said body members for releasably holding the hooks in said slots for protection from weeds and other obstructions in the water when casting or trolling, and said lower body member being of greater density than said upper body member so that said bait assembly maintains its upright position in water at all times.

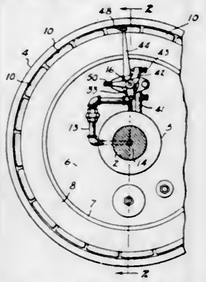
2,277,554

OVERLOAD RELEASING MECHANISM

William C. McCoy, Shaker Heights, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 12, 1940, Serial No. 356,421

15 Claims. (Cl. 192—56)



1. In a driving mechanism which comprises a rotatable driving member, a substantially coaxial rotatable driven member, a connecting member in the form of a hollow fluid containing annulus having oppositely disposed wall portions adapted to be connected for rotation with the driving and driven members, respectively, and flexible torque transmitting wall portions connecting said oppositely disposed wall portions, and means operable upon a predetermined relative angular movement of one of said oppositely disposed wall portions of the annulus with respect to the other to control the transmission of driving force to the driven member.

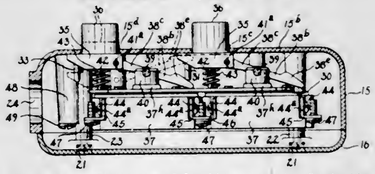
2,277,555

OPERATING MECHANISMS FOR ELECTRIC SWITCHES

George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 26, 1940, Serial No. 347,600

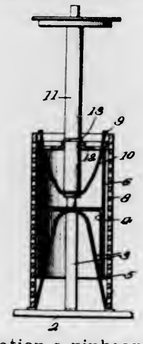
13 Claims. (Cl. 200—5)



1. In a pendant pushbutton control station for hoist motors and the like, in combination, a metal casing divided longitudinally in a plane parallel to the front face thereof, said front face of the casing having a pair of openings formed therein, a pair of structurally complete electric switch units of like form, a metal supporting member to which each of said switch units is rigidly secured, said supporting member being in turn secured to the front section of said casing, each of said switch units having a separately molded insulating base, a plurality of sets of stationary and movable contacts carried by each base, a switch operating lever pivotally supported relatively to each base, a single pushbutton element pivotally connected with each lever at a point offset from the point of pivotal support of the latter and extending through one of said casing openings, and mechanical interlocking means comprising a sheet metal member oscillatably attached to said supporting member and associated with said pushbutton elements to

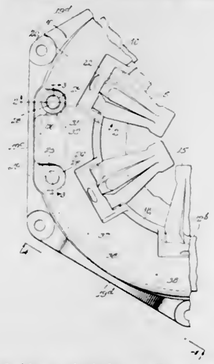
positively insure against simultaneous depression of the pushbuttons to degrees sufficient to effect operation of the switch mechanisms associated therewith, while providing for depression of either of said pushbuttons singly, each of said levers having spring means individual thereto to normally bias the same and its associated pushbutton in a direction to effect circuit interrupting operation of the respective switch mechanism.

2,277,556
PINBOARD USED FOR SUPPORTING TUBES AND CONES
William H. Miller, Conyngham, Pa., assignor to Freeland Spool and Bobbin Corp., Hazleton, Pa., a corporation of Pennsylvania
Application May 20, 1941, Serial No. 394,357
8 Claims. (Cl. 242—130)



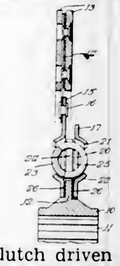
1. In combination a pinboard, a locking means for an arbor for tubes or the like and means carried by the pinboard for releasing the locking means as the tube or the like is placed in position on the pinboard.

2,277,557
FRICTION CLUTCH
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 23, 1940, Serial No. 320,258
3 Claims. (Cl. 192—68)



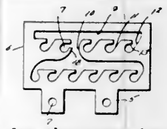
1. In a friction clutch, a flywheel and a pressure plate between which a driven plate is adapted to be engaged, a cover attached to the flywheel and forming therewith a chamber in which the pressure plate is enclosed, said cover having a peripheral region formed with circumferentially spaced arched portions, defining with the flywheel a series of ventilating openings, and a flexible driving strap disposed between the cover and the pressure plate, extending generally circumferentially, attached at its respective ends to the cover and the pressure plate, and positioned circumferentially intermediate a pair of said arched regions.

2,277,558
TORSIONAL VIBRATION DAMPENER
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 29, 1940, Serial No. 348,085
5 Claims. (Cl. 192—68)



1. A friction clutch driven plate comprising a hub having a flange, a facing assembly including a ring, said ring and flange having opposed friction faces axially spaced, and a plurality of thin steel washers interposed between said faces in series, said washers having friction faces in frictional engagement with said flange and ring faces and with each other under compression, said friction faces having a friction characteristic stabilized, as a result of a short initial period of operation, at an adequate level which is maintained over a long period of operation.

2,277,559
FULCRUM FOR GRINDING MACHINES
Antonio Pizzino, Massillon, Ohio
Application April 12, 1941, Serial No. 388,336
3 Claims. (Cl. 51—216)

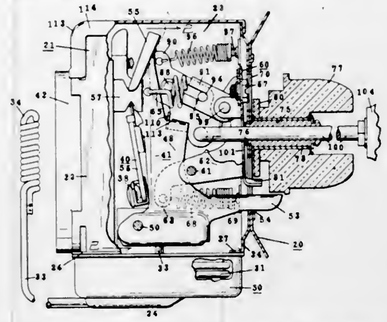


1. A fulcrum for the press bar of a grinding machine, said fulcrum comprising a plate supported in an upright position and having a pair of horizontal, vertically spaced slots therein, said slots having a connecting passage and adapted to receive one end of the press bar, and notches formed in an edge of each slot and into which the bar is movable, said notches having restricted entrances to obstruct removal of the press bar therefrom.

2,277,560
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application August 3, 1940, Serial No. 351,010
10 Claims. (Cl. 200—83)

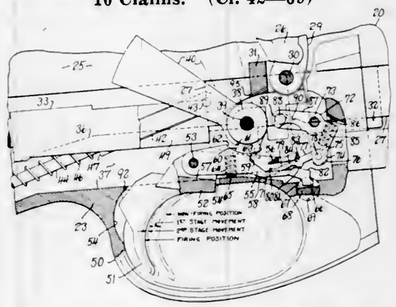
1. In a control apparatus, means forming a frame having two opposed walls and an interconnecting wall, said interconnecting wall having

an opening; a control member movable between said opposed walls; a plate; means for pivoting the plate intermediate the opposed walls, said plate having an opening; a spring interconnecting the plate and control member; a toggle comprising two connected links, one of said links being pivoted on one of the said opposed walls and extending forwardly toward the interconnecting wall and the other of said links being



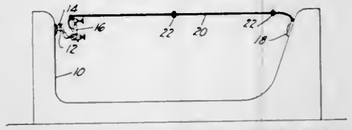
pivoted on the plate and extending rearwardly; a manually operable member extending from the exterior of the frame through said openings in the interconnecting wall and plate and connected to one of said links for moving the toggle links; and means for limiting movement of the toggle links by the last mentioned member whereby the toggle moves the plate to a predetermined spring adjusting position when actuated by said last mentioned member.

2,277,561
TRIGGER MECHANISM FOR FIREARMS
William C. Roemer, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application March 28, 1940, Serial No. 326,308
10 Claims. (Cl. 42—69)



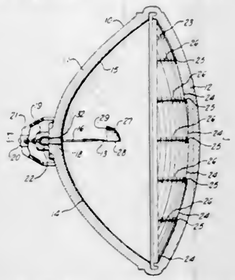
1. A firearm of the multiple-stage trigger-pull type, including in combination: a movable breech-bolt; a firing-member; a pivotal trigger-member; a pivotal sear-member; one of the said pivotal members being provided with a first-stage actuating-abutment and a second-stage actuating-abutment respectively located at different distances from the pivot-point of such pivotal member; means for transmitting the movement of the said pivotal trigger-member to the said pivotal sear-member at two speed-ratios and including a transmitting-member mounted in the firearm-structure and movable into and out of positions wherein the said transmitting-member alternately operatively-couples and -uncouples the said sear-member and the said trigger-member, the said transmitting-member being constructed and arranged to be sequentially engaged with the first-stage actuating-abutment and the second-stage actuating-abutment upon the aforesaid pivotal member so provided; and means movable in conjunction with the said breech-bolt for shifting the said transmitting-member.

2,277,562
SHOWER ATTACHMENT
Mathias Schu, South Bend, Ind.
Application November 20, 1940, Serial No. 366,378
9 Claims. (Cl. 4—148)



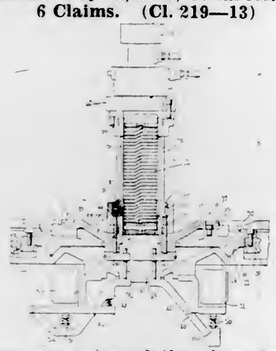
1. A shower attachment for bath tubs comprising a valved body to be attached to the faucet of the tub, a shower head carried by said body, a valve in the body controlling the supply of water to the shower head, a valved passage in the body terminating in a connector nipple, a second shower head, adapted to be supported on the tub at a point spaced from said body, and a flexible hose connecting the second shower head to said nipple.

2,277,563
VEHICLE HEADLAMP
Kenneth D. Scott and Daniel K. Wright, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application November 9, 1940, Serial No. 365,022
4 Claims. (Cl. 240—41.3)



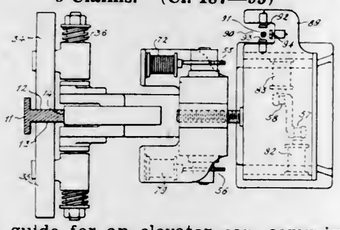
1. A light projecting device comprising a light-concentrating reflector, a light source mounted in definite relation to said reflector, and a lens covering the mouth of said reflector and having one of its surfaces divided into a plurality of horizontal rows of horizontally extending prisms for bending the light rays from said reflector in a vertical direction, said prisms having base portions separating adjacent rows of prisms, said base portions having rounded edges and fillets which normally concentrate horizontal light rays into upwardly directed individual beams, a plurality of horizontal bands of opaque material on said lens entirely covering the said base portions of said prisms including said edges and fillets, and a light shield located adjacent said light source and constructed and arranged to intercept substantially all direct rays therefrom which are directed upwardly beyond the periphery of said reflector and above a horizontal plane through said light source.

2,277,564
ADAPTER
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application May 20, 1940, Serial No. 336,127
6 Claims. (Cl. 219—13)



2. In an apparatus of the class described, a work receiving table, indicating mechanism for controlling the apparatus in accordance with the proper loading of the work receiving table, an adapter for said table for receiving work of a different dimension from that for which the table is adapted, and means associated with said adapter for actuating said indicating mechanism in accordance with the proper loading of said adapter.

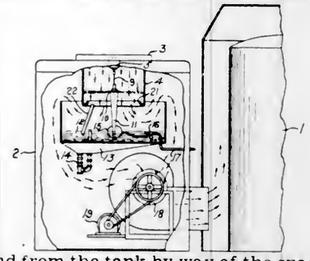
2,277,565
ELECTRIC GUIDE CONTROL SYSTEM FOR ELEVATOR CARS
Walter Spiro, New York, N. Y., assignor, by mesne assignments, to Elevator Safety Corporation
Application January 28, 1941, Serial No. 376,364
8 Claims. (Cl. 187—95)



1. A guide for an elevator car, comprising a support, guiding elements adapted to ride along a guide rail, a frame carrying said guiding elements, mounted on said support so as to be capable of bodily translatory movement with respect thereto, and means independent of the guide rail controlled by the position of the car with respect to the guide rail, governing the displacements of said frame.

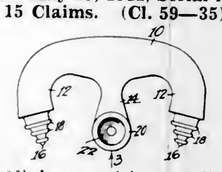
2,277,566
AIR WASHER
Charles L. Sprinkle, Lansing, Mich.
Application August 19, 1940, Serial No. 353,299
1 Claim. (Cl. 261—30)

In an air washer, a closed casing constructed with an inlet opening at the top and an outlet opening at the bottom, an air inlet conduit constructed to fit in the inlet opening of the top of the casing, an open top water tank arranged below said conduit, the conduit extending into the tank whereby a space remains between the conduit and the tank walls, a motor and fan located in the lower part of the casing and arranged to discharge air through said outlet opening and to draw the air from the exterior through said conduit whereby the air is directed into the



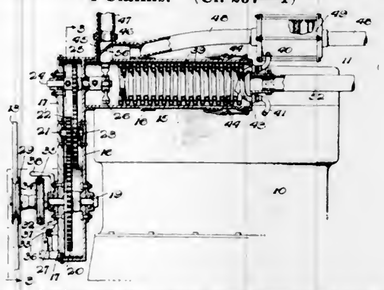
tank and from the tank by way of the spaced tank walls and conduit, a motor in the conduit, a slotted disk spreader in the conduit rotated by the motor, and an inverted conical pump member centrally attached to the spreader and extending downwardly into the tank.

2,277,567
CHAIN LINK AND METHOD OF MAKING THE SAME
Henry St. Pierre, Worcester, Mass.
Application May 19, 1941, Serial No. 394,088
15 Claims. (Cl. 59—35)



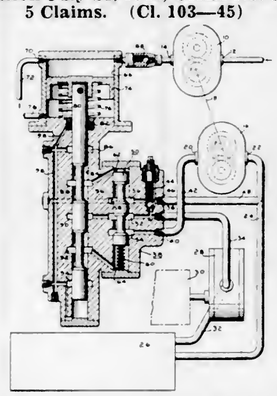
1. A chain link comprising a solid side, a center stud, a pair of arms each having a reduced end forming a connecting portion, a hollow element on said stud, said connecting portions being located in said hollow element and locked thereto, said solid side, stud, arms, and connecting portions all being in one integral piece.

2,277,568
COMBINED HEATER AND VACUUM CLEANER FOR MOTOR VEHICLES
Vincent Tavernese, Washington, D. C.
Application March 2, 1940, Serial No. 321,938
4 Claims. (Cl. 237—1)



1. A device of the character described for motor vehicles including a cylindrical casing, a removable cap closing the casing at its rear end, a heating coil mounted within the casing and removable with the cap, a suction pipe extending axially from the cap into the vehicle body, an outlet pipe leading at its inner end from the forward end of the casing and open at its outer end to the atmosphere, a connection carried by the rear end of said suction pipe within the vehicle body and readily accessible from the interior thereof for the attachment of a flexible cleaner hose for cleaning the interior of the vehicle body by suction, a suction fan mounted in the casing near the forward end thereof opposite said suction pipe for drawing currents of air forwardly through said suction pipe and casing from the interior of the vehicle body and expelling said currents through said outlet pipe, a return pipe having junction with the outlet pipe near the inner end of the latter and leading into the vehicle body, and a valve mounted at said junction for selectively diverting said expelled air currents through the outlet pipe to the atmosphere or through the return pipe to the interior of the vehicle body.

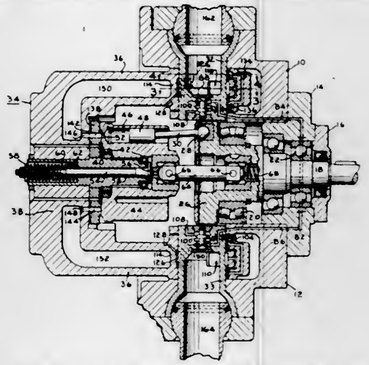
2,277,569
PUMPING SYSTEM
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 24, 1940, Serial No. 347,239
5 Claims. (Cl. 103—45)



1. In a fuel delivery system for an internal combustion engine the combination with a fuel delivery conduit, an accumulator in the conduit, a pump for supplying fuel to the accumulator, a fluid motor connected to drive the fuel pump, a power fluid pump hydraulically connected to drive the motor, a valve for unloading the power pump, and means for alternately shifting said valve between loading and unloading position as the accumulator becomes empty and filled, respectively.

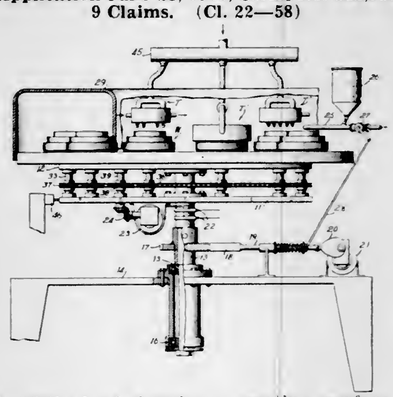
2,277,570
POWER TRANSMISSION
Harry F. Vickers and Kenneth R. Herman, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Original application March 30, 1939, Serial No. 265,012. Divided and this application November 8, 1940, Serial No. 364,778
9 Claims. (Cl. 103—162)

1. In a fluid pressure energy translating device of the type having a swinging two-armed yoke for varying the displacement of the device and having fluid inlet and exhaust passages formed therein, the combination with a casing for the device of a pintle bearing construction including a pair of hollow pintles stationarily mounted on the casing and forming journals on which the yoke may swing, and means forming fluid ports between the hollow pintles and the fluid passages in the yoke, said ports opening to the passages



solely in a radial direction with respect to the pintles whereby the net fluid pressure force on the yoke in a direction axially of the pintles is substantially balanced.

2,277,571
METHOD AND APPARATUS FOR APPLYING PROTECTIVE METAL
Robert L. Wagner, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application June 28, 1940, Serial No. 342,913
9 Claims. (Cl. 22—58)



1. Method of forming a seating surface of protective metal on preformed receiving surface of a valve part which comprises placing the valve part on a rotatable work table; advancing said work table successively to at least one preheating station and at least one melting station, and maintaining the work table at each of said stations for the same length of time; introducing protective metal onto said receiving surface in the valve part; preheating the valve part by applying high temperature flame thereto at said preheating station or stations; at said melting station or stations applying high temperature flame to said protective metal on said receiving surface, for a time sufficient to melt only the protective metal and to bond the molten metal to said receiving surface; and at each of said preheating stations rotating the article and the work table a plurality of revolutions to preheat

the receiving surface throughout, and at each of said melting stations rotating the article and the work table a plurality of revolutions during the application of said high temperature flame.

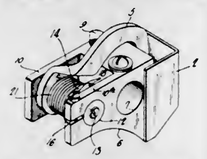
4. In apparatus for applying layers of surfacing metal to metal articles, a plurality of work tables supported at equal distances; means on each table to hold an article and surfacing metal in position for treatment; means providing a zone of preheat; means providing a zone of melting heat; means for positioning each successive work table first in the zone of preheat and then in the zone of melting heat, such last-mentioned means including means for maintaining each table in the zone of melting heat for a time that is an aliquot part of the time such table is in the zone of preheat.

2,277,572

ADJUSTABLE BRUSH TENSION DEVICE FOR ELECTRIC MOTORS, GENERATORS, ETC.

Harry Weissinger, Philadelphia, Pa.

Application February 14, 1940, Serial No. 318,946
4 Claims. (Cl. 171—324)



3. A brush holder comprising a frame structure including a brush box having projecting spaced parallel arms provided with axially aligned bores therein, a stud extending through said bores in said arms and bridging the space therebetween, an adjusting element rotatably mounted on said stud and disposed inwardly adjacent one of the arms, said adjusting element having a projecting hub portion journalled in the opening of the said one arm, a lever including an extended end portion arranged to press upon a brush in said brush box and having a hub portion mounted for rotation about said stud and extending entirely between the other arm and said adjusting element, a coiled spring encircling said lever hub with the opposite end portions of said spring respectively engaging said lever and adjusting element so that said spring urges said lever against the brush, the adjusting element being circumferentially rotatable at will to regulate the force of the spring on said lever, and means for clamping said hub portion of the adjusting element to secure the latter in any position to which adjusted.

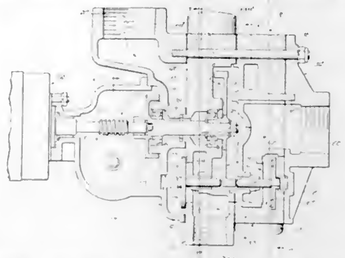
2,277,573

MULTIPLE DISTRIBUTOR VALVE

Edmund F. Wichorek, Cleveland, Ohio, assignor to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio

Application April 8, 1940, Serial No. 328,439
6 Claims. (Cl. 277—20)

1. In a multiple valve assembly including a valve housing formed with a common inlet chamber adapted to be placed in communication with a source of fluid pressure, and at least three separate compartments, an inlet valve associated with each compartment for admitting fluid from said common inlet chamber to said compartment and an exhaust valve associated with each compartment for exhausting said fluid from said compartment to the atmosphere, each of said compartments having at least one outlet port adapted to be connected to an external fluid receiver, and means effective to operate to open position in succession each of said inlet valves and to operate to closed position in succession each of said corresponding exhaust valves, said means comprising an arcuately adjustable disc-like control member, said control member being disposed between said inlet valves and said exhaust valves



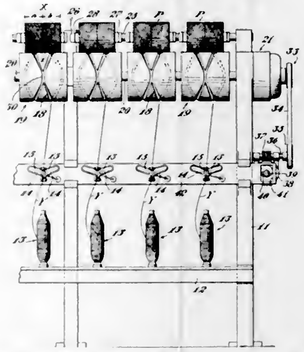
and being formed on one side with a succession of cam, dwell, and drop portions for cooperation with said inlet valves for operating the same in a predetermined sequence and formed on the other side thereof with a succession of drop, dwell, and cam portions in opposed relation to said above named cam, dwell and drop portions for operating said exhaust valves.

2,277,574

WINDING

Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire

Application February 10, 1940, Serial No. 318,277
21 Claims. (Cl. 242—35.5)



1. A method of winding comprising distributing the same yarn in a plurality of layers of cross-wound formation on one part of the length of the package, then in a plurality of layers of cross-wound formation on the remainder of the length of the package, repeating this until the package attains the desired diameter.

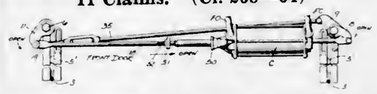
10. A winding machine having therein means for distributing the winding yarn in a plurality of groups of layers of cross-wound formation on one part of the length of the package, means for distributing the same yarn in a plurality of groups of layers of cross-wound formation on the remainder of the length of the package, and means for causing the yarn to be acted on by said means separately in succession during the winding, whereby the groups are wound alternately by said distributing means.

2,277,575

BUS DOOR OPERATOR

John R. Almond, Cleveland, and George W. Upp, Lakewood, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application April 30, 1940, Serial No. 332,490
11 Claims. (Cl. 268—64)



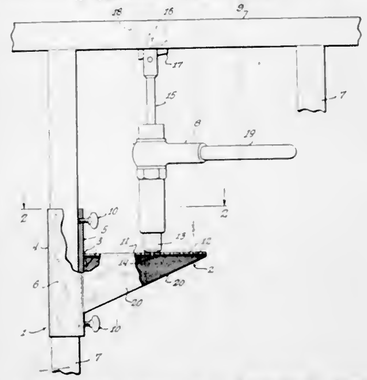
1. A door operating system including a doorway, a pair of hinged doors at opposite sides of the doorway, linkage connecting the doors, and a bodily movable cylinder and piston floatingly supported by the linkage for simultaneously a power opening and closing both doors, said linkage being rigid as a unit transversely thereof to prevent sagging of the cylinder relative to the linkage, and valve means for introducing pressure into or exhausting it from either end of said cylinder.

2,277,576

COMBINED CLAMP AND DRILL JACK

Leroy D. Anderson, Milwaukee, Wis.

Application May 8, 1940, Serial No. 333,948
2 Claims. (Cl. 77—59)



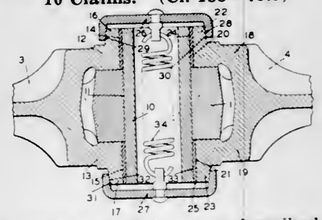
1. A combined clamp and drill jack device of the character described for supporting a manually operable ratchet hand drill of the automatic-feeding type from one of two right-angularly disposed structural members in a building construction within the angular space between said members while drilling a hole in the other thereof, said device consisting of stationarily connected clamp and jack elements in fixed right-angular relation so that the device may be handled and applied to the selected member as a single unit, said clamp element being in the form of an elongated, one-piece substantially U-shaped fixture having rigidly connected side and end walls providing therebetween a channel whereby the clamp element with the jack element fixed thereto may be applied to the selected member by merely slipping the clamp element over said member from the outer side thereof into said channel and be adjusted along said member to locate the jack element in position to support the drill for drilling in the other member, said jack element being in the form of a plate stationarily secured to the side wall of the clamp element which lies on the inner side of the structural member to which the clamp and jack elements are applied to provide a purchase for the drill in the angular space between the structural members and in substantially parallel relation to the member to be operated on by the drill, fastener means for detachably and adjustably securing the clamp element to the member to which the clamp element is applied, and means for reinforcing the plate against a drilling pressure by the drill.

2,277,577

BRAKE SHOE ANCHORING MEANS

Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application April 18, 1941, Serial No. 389,136
10 Claims. (Cl. 188—79.5)



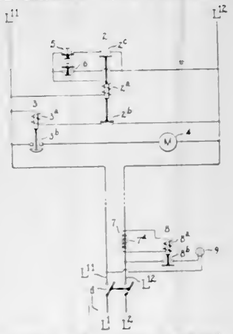
1. In apparatus of the class described, a pivot pin, a brake shoe having a semi-cylindrical bearing surface engaging the pin, said pin and shoe being capable of relative rotation, means comprising an element for preventing said shoe and pin from separating, and means comprising cooperating inclined surfaces on the element and shoe for automatically compensating for wear between the pin and semi-cylindrical bearing surface and causing the said bearing surface to be maintained at all times in engagement with the pin by said element.

2,277,578

SYSTEM OF MOTOR CONTROL

George E. Booth, St. Louis, Mo., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

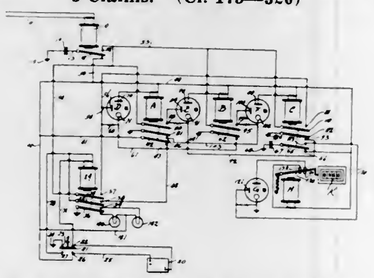
Application December 26, 1940, Serial No. 371,797
11 Claims. (Cl. 172—239)



11. In a system of motor control, in combination, an electric driving motor located at a given point and a central power supply station located at a point distant from said motor, power supply lines extending from said central station to said motor, a switch adjacent to said central station, said switch being adapted when closed or opened at will to respectively energize or deenergize said supply lines, an electromagnetically operable switch located adjacent to said motor, said last
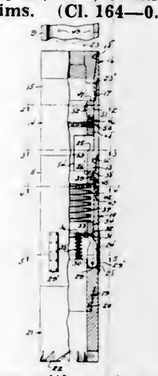
mentioned switch having an operating winding and normally open contacts adapted when closed to complete the energizing circuit of the motor, an electromagnetically operable relay also located adjacent to said motor, said relay having normally closed and normally open contacts, said normally closed contacts being included in circuit with the operating winding of said electromagnetically operable switch to normally provide for completion of the energizing circuit of said motor upon closure of said first mentioned switch after opening of the latter, a push-button station also located adjacent to said motor and operable at will to effect energization or de-energization of said relay winding, with consequent interruption or completion of said motor circuit, at any time during closure of said first mentioned switch, said first mentioned switch being adapted upon opening thereof to insure deenergization of the operating winding of said relay with consequent closure of the normally closed contacts of the latter, whereby upon reclosure of said first mentioned switch the energizing circuit of said motor will be completed independently of said push-button station, a relay located adjacent to said central station and having an operating winding inductively related to the power supply lines of said motor and responsive to a predetermined value of current incident to completion of the motor circuit, said last mentioned relay having normally open contacts adapted when closed to complete the circuit of an indicating lamp or the like, to thereby indicate to the central station operator the condition of operation or inoperation of said motor at said distant point.

2,277,579
ELECTRONIC COUNTING DEVICE
Walter H. Burger, Darby, and Max Theodore Wintsch, Lancaster, Pa.
Application March 5, 1940, Serial No. 322,418
3 Claims. (Cl. 175—320)



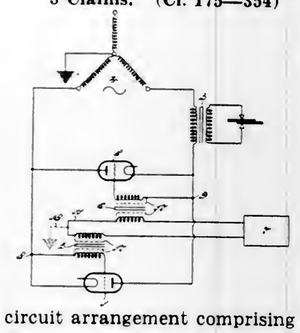
1. In a counting system of the character described, a source of current, a condenser, a condenser charging circuit connected to said source of current, a series of relays including windings and switch means, a series of electron tubes having anode, cathode and firing elements, relay energizing circuits between said source of current and said windings, each relay energizing circuit bridging the anode and cathode elements of one of said tubes and controlled by the switch means of the relay of said series succeeding that relay to which said energizing circuit is connected, tube firing circuits between the condenser and the firing elements of the tubes, the firing circuit for any given tube being controlled by the switch means of the relay of said series preceding that relay whose windings are connected to the relay energizing circuit bridging the anode and cathode elements of said given tube, an impulse receiving input circuit, and means responsive to the reception of impulses in said input circuit for connecting said condenser alternately to said condenser charging circuit and to said tube firing circuits.

2,277,580
COMBINATION WASH-OVER AND CUTTING TOOL
William F. Carothers, New Iberia, La.
Application July 28, 1941, Serial No. 404,425
7 Claims. (Cl. 164—0.6)



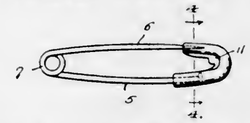
7. In combination with a pipe cutting tool of the type wherein a tubular cutter is suspended from a line of pipe and telescopically applied to another line of pipe to be cut, shear pins projecting into the bore of the first pipe a substantial distance from the tool, and means for actuating parts of the cutter slidable within the outer string of pipe but normally supported by the shear pins, said means being adapted to freely slide relative to the inner string of pipe in one direction but to bindingly engage therewith when moved relative thereto in the opposite direction, whereby to sever the shear pins from the pipe to permit the said actuator means to move into engagement with the cutter and into operative relation with the mentioned parts.

2,277,581
ARRANGEMENT FOR CONTROLLING TWO OR MORE ELECTRIC VAPOR OR GAS DISCHARGE TUBES
Daniel Marie Duinker, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 1, 1940, Serial No. 332,835
In Germany April 27, 1939
3 Claims. (Cl. 175—354)



2. A circuit arrangement comprising two controlled gaseous discharge tubes oppositely connected in parallel, a control circuit for each tube including a control transformer having a primary winding and a secondary winding, said primary windings being conductively connected, and means for preventing disturbances in the control of said discharge tubes by the capacitive currents set up in the windings due to sudden potential variations, said means including electrostatic screening on at least one of said windings.

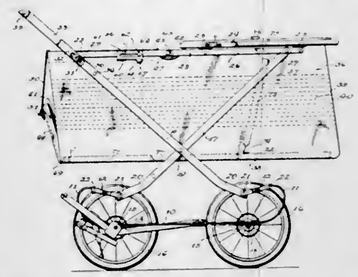
2,277,582
SAFETYPIN
Sidney H. Englander, University Heights, Ohio
Application February 27, 1941, Serial No. 380,941
2 Claims. (Cl. 24—158)



2. A safety pin comprising a member in the form of a length of spring wire bent upon itself to provide back and pin legs connected by a coil, the free end of the back leg having an enlarged circular head formed thereon, the free end portion of the pin leg being pointed and being provided near said pointed end with a transverse notch in the outer side thereof, a guard member in the form of a strip of metal folded upon itself longitudinally to provide a tube of U-shape having relatively long and shorter legs, the free end of the relatively long leg of the guard being flanged inwardly and slidably receiving the back leg as well as cooperating with the head of the back leg to limit sliding movement of the guard relative to said wire member, the relatively long leg of the guard being of round cross section to permit swinging of the guard about the back leg laterally of said pin leg, the shorter leg of the guard having an inwardly directed lug at the outer side thereof adapted to engage in the notch of the pin leg to retain the latter in engagement with said guard, said guard being slidable outwardly relative to the wire member and swingable laterally relative to the pin leg upon forcing the legs of the wire member together sufficiently to cause disengagement of the lug of said guard from the notch of the pin leg.

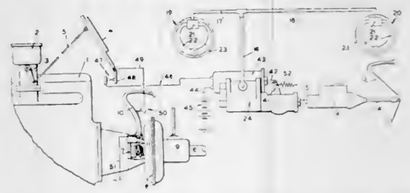
2,277,583
BABY CARRIAGE
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1940, Serial No. 333,484
2 Claims. (Cl. 280—41)

1. In a drop basket supporting structure, the combination of a pair of longitudinally extending frame members for the top of a baby carriage with a drop basket supporting frame of substantially U-shape, having each of its ends pivotally secured on the inside of said longitudinally extending frame members, a basket carried by said longitudinally extending frame members and said drop basket frame, and an offset bracket member carried by each of the legs of said drop basket frame, each comprising a metal member fixedly secured to the outside of said drop basket frame and extending downwardly and outwardly, and provided with a pivot flange extending substantially parallel to said longitudinally extending frame members, a latching member pivotally secured to said parallel flange, and having an elongated slot, said elongated slot engaging a headed pin carried by the respective longitudinally extending frame members on the outer side thereof, said slot being of sufficient length whereby the latching member supports the drop basket in predetermined lowered



position, and said slots being spaced from the pivot of said latch relative to the length of said bracket a predetermined amount whereby the pin may be located above said pivot in the opposite end of said slot when the drop basket is supported in elevated position.

2,277,584
BRAKE CONTROL MECHANISM
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 27, 1941, Serial No. 376,047
14 Claims. (Cl. 192—.01)

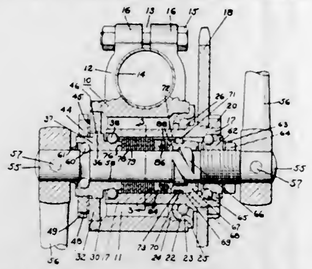


1. In a motor vehicle provided in its power transmitting means with a clutch mechanism and a torque transmitting means having a slip characteristic, and with a braking system including an operator-operated control means, means for holding the brakes applied after said brakes have been applied by operation of the operator-operated control means and notwithstanding said control means is placed in normally inoperative condition, and control means including means so associated with the clutch mechanism as to cause the holding means to be inoperative when said mechanism is in clutch disengaged position.

2,277,585
COASTER BRAKE
Edward W. Glacy, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 14, 1940, Serial No. 340,445
6 Claims. (Cl. 192—6)

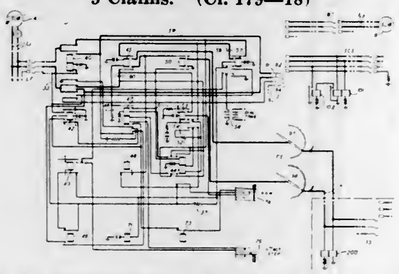
1. In a device of the character indicated, a crank hanger having a through aperture, a bearing removably seated in one end of said aperture, a shell removably and rotatably supported at one end within said bearing, a sleeve member extending into and rotatably supporting the other

end of said shell, and an anchoring disc non-rotatably socketed in the crank hanger at the



other end of said aperture and serving as the sole support for said sleeve member.

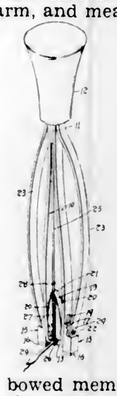
2,277,586
TELEPHONE SYSTEM
Cecil R. Gray, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1940, Serial No. 361,380
5 Claims. (Cl. 179—18)



1. In combination, a line, an impulse receiving relay connected to said line and responsive to current impulses therein, a trunk line, means comprising said impulse receiving relay and an impulse repeating relay for controlling an impulse repeating circuit over the trunk line, the repeating relay being adjusted according to the resistance and capacity of the trunk line, an operating circuit for the repeating relay controlled by the impulse receiving relay, and a condenser connected to the winding of the repeating relay so as to render said relay slow in releasing and thereby increase the length of each closure of the impulse repeating circuit during the repeating of impulses.

2,277,587
DEVICE FOR REMOVING HANDS AND SMALL PARTS FROM WATCHES AND OTHER MECHANISMS
Gunnar D. Gustafson, Chicago, Ill.
Application August 2, 1940, Serial No. 349,555
7 Claims. (Cl. 81—6)

1. A device of the kind described embodying therein a pair of laterally spaced arms, each carrying a gripping jaw at one end, means for connecting said arms together at the other end so that the jaw ends may move toward or away from each other into and out of gripping position, a presser foot member associated with the jaw end of each arm, means providing a sliding guided engagement for each presser foot member on the jaw end of its associated arm for a longitudinal movement thereon from a position where one end thereof is spaced inwardly from the end of the asociated arm to a position wherein said one end is spaced outwardly from said end of the associated arm, a bowed member on the outer face of each arm, means connecting one end of each bowed member to said other end of an associated arm, and means connecting the

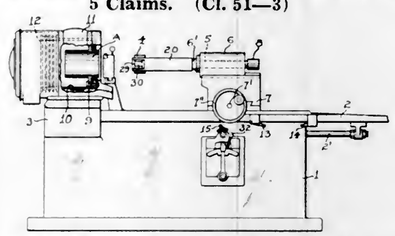


other end of said bowed member to the presser foot member on the same arm and whereby straightening out of said bowed members will cause the jaws of said arms to approach each other and will also cause the presser foot member on the jaw ends of said arms to move outwardly thereon from the first to the second mentioned position therefor.

2,277,588
MANUFACTURE OF PHTHALOCYANINE DYESTUFFS
Norman Hulton Haddock, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 14, 1940, Serial No. 340,620. In Great Britain June 21, 1939
5 Claims. (Cl. 260—314)

1. Process for the manufacture of tetrapyridylphthalocyanines comprising bringing tetradiazotised tetra-amino-phthalocyanines into reaction contact with pyridine.

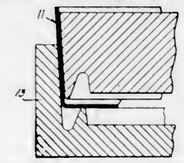
2,277,589
INTERNAL GRINDING AND HONING MACHINE
Bror E. Hanson, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application August 29, 1940, Serial No. 354,736
5 Claims. (Cl. 51—3)



1. In a machine of the class described, a rotary workholder, a rotary grinding wheel for operation on the bore of a workpiece in said workholder, means for imparting a relative axial reciprocation to said parts to traverse said wheel from one end to the other of said bore, a honing

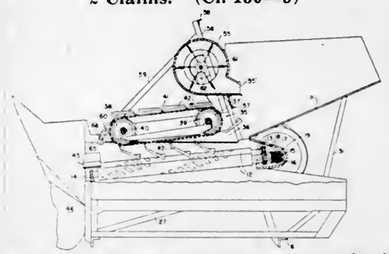
member flexibly connected to the support of said wheel and adapted by said reciprocation to make an end-to-end traverse of said bore, cross-feed means operable in one direction to engage said wheel with said bore's surface and to space said honing member therefrom, and operable in the other direction to engage said honing member with said bore's surface and to space said grinding wheel therefrom, a cam rotating with said grinding wheel and means for detachably engaging said cam with said honing member to vibrate the latter by flexure of its connection during its operation on said bore.

2,277,590
METHOD OF MAKING MICA RINGS
Leonard L. Howard, Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application October 28, 1940, Serial No. 363,198
9 Claims. (Cl. 154—2.6)



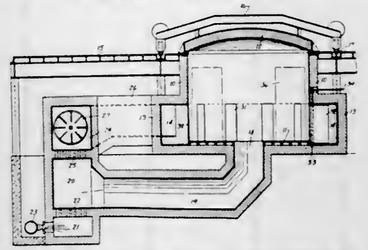
1. The method of manufacturing flanged rings or segments, comprising forming plates consisting of mica and a binder to a size to form a unit segment of the completed article, assembling a plurality of such plates into a slab with interposed sheets of a material preventing adherence of the plates, forming the slab to the desired cross-sectional and circumferential shape, separating the individual plates and laying the plates up in a mold in layers in which the joints of the plates of one layer are staggered with relation to those of remaining layers of the ring, and subjecting the assembly thus provided to heat and to pressure to form the completed article.

2,277,591
CORN HARVESTER
Ellsworth T. Johnson and Norman F. Andrews, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 29, 1940, Serial No. 354,662
2 Claims. (Cl. 130—5)



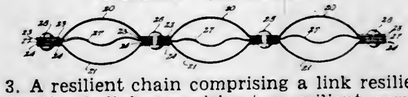
1. In a corn harvester having a frame, husking rolls mounted therein and a delivery trough mounted on said frame for feeding ears to said husking rolls, an ear retarder including a frame disposed above said husking rolls, a cleaning fan mounted on said ear retarder frame adjacent said trough for directing a blast of air through said trough, and means pivotally connecting said retarder frame on said harvester frame providing for swinging said retarder and said fan away from said husking rolls to gain access to the latter.

2,277,592
METHOD AND APPARATUS FOR HEATING METAL OBJECTS
Sam F. Keener, Salem, and James H. Hopkins, Alliance, Ohio, assignors to Salem Engineering Company, Salem, Ohio, a proprietorship
Application April 18, 1940, Serial No. 330,292
19 Claims. (Cl. 263—15)



1. A metal heating furnace comprising in combination a substantially circular heating chamber having an encircling duct for the passage and distribution of convection heating fluid, a wall having a plurality of circumferentially spaced ports separating said chamber from said duct, a flue leading to said duct substantially tangential thereto, a second flue leading from said chamber at the center of the bottom wall thereof, means to connect said first and second mentioned flues, means to circulate convection heating fluid through said flues, duct and chamber at high velocity, means in one of said flues to heat said fluid, and a pivotally mounted vane associated with each of said ports to deflect a selected volume of said fluid through the respective ports, said vanes being each adjustable about an axis extending normal to the direction of fluid flow through said duct.

2,277,593
RESILIENT CHAIN, SUCH AS PULL CHAIN
Claus H. Köhn, Rapperswil, Switzerland, assignor to Fritz Mommendey & Sohn, Rapperswil, Switzerland
Application July 3, 1940, Serial No. 343,713
In Switzerland March 24, 1939
3 Claims. (Cl. 59—79)

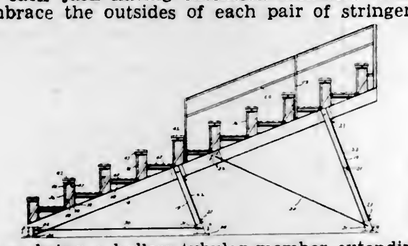


3. A resilient chain comprising a link resilient in itself, said link comprising two resilient, curved sheet metal elements, said curved portions extending outwardly to opposite sides, and additional resilient corrugated sheet metal elements provided with distant end portions coinciding with the end portions of said curved elements, and means connecting all said end portions at one end of said link together and to the next link in the chain.

2,277,594
BLEACHER ASSEMBLY
Herbert V. Ludwick, Dearborn, Mich.
Application September 20, 1940, Serial No. 357,566
2 Claims. (Cl. 189—1)

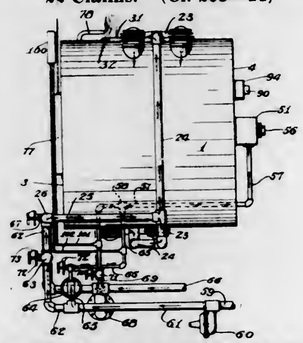
1. In a portable bleacher construction, including diagonal stringers and supporting jacks for the same, the combination of a bearing member secured to and joining the vertical legs of each jack, the said bearing members being adapted to distribute horizontally a substantial portion of

the weight of a pair of stringers, the vertical legs of each jack having extension members which embrace the outsides of each pair of stringers,



there being a hollow tubular member extending through the said extension members and each pair of stringers.

2,277,595
FURNACE
Sylvan N. Levy and William B. Levy, Arden, Del.
Application May 15, 1941, Serial No. 393,624
22 Claims. (Cl. 263—14)



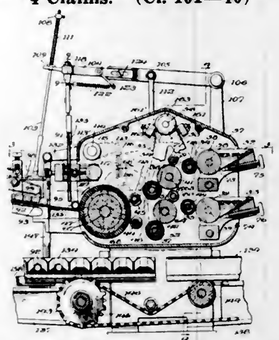
1. A muffle furnace comprising a combustion chamber consisting of a fabrication of premolded side and end wall units composed of high refractory material, a body of heat-insulating material molded en masse about the combustion chamber, said end walls being respectively provided with axially aligned openings formed therein, and said body of insulating material having a similarly aligned opening extending from the exterior of the furnace to one of said end walls, and a muffle extending from one end wall to the other end wall of said combustion chamber and having its opposite ends respectively seated in said end wall openings, said end walls functioning as the sole means of support for the muffle with the muffle spaced from said side walls completely around the muffle along the length thereof intermediate said end walls.

2,277,596
BLOTTER AND RETURN POST CARD
Malvin Lichter, New York, N. Y., assignor to Stickless Corporation, New York, N. Y., a corporation of New York
Application November 9, 1939, Serial No. 303,497
3 Claims. (Cl. 283—56)



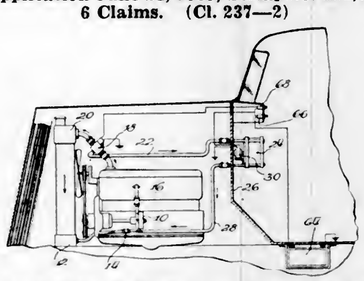
1. In combination, a blotter and return post-card; said post-card being integrally connected to said blotter and comprising an extension thereof beyond the edge of the blotter portion; a weakening line between said post-card extension and said blotter along which said post-card portion is manually detachable; a coupon portion integrally connected to and comprising an extension beyond an opposite edge of said blotter portion and manually detachable therefrom; the said post-card and coupon portions comprising a continuous sheet extending from one edge to the opposite edge of said blotter portion; and a weakening line in said continuous sheet between said coupon and return post-card portions for facilitating manual separation thereof.

2,277,597
MACHINE FOR PRINTING ON CYLINDRICAL GLASSWARE
Luigi Marzocchi, Milan, Italy
Application December 26, 1939, Serial No. 311,019
4 Claims. (Cl. 101—40)



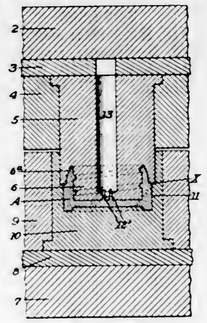
1. In a machine for printing on cylindrical objects, a rotatable printing roll, a platen for urging the objects into engagement with said roll, said platen being concave in transverse cross section to form an object-contacting face, said face being arcuate from one longitudinal edge of the platen to the other longitudinal edge thereof, means for rotating said roll, and means for effecting longitudinal reciprocation of said platen.

2,277,598
AUTOMOBILE HEATER CONTROL SYSTEM
Henry J. De N. McCollum, Chicago, Ill.
Application June 24, 1939, Serial No. 281,012
6 Claims. (Cl. 237—2)



3. In a heating system for automobiles having a passenger compartment, a water cooled internal combustion engine, a radiator, a conduit connecting the engine to the radiator to convey water heated by the engine to the radiator, and a hot water heater in the passenger compartment having a hose connected to the first conduit and a hose connected to return water to the cooling system of the engine; the combination comprising a temperature responsive valve in said conduit, a member movable between first and second positions of adjustment to determine the temperature at which said valve opens, said member when in the first position of adjustment permitting opening of said valve at normal engine operating temperature and when in the second position of adjustment preventing opening of the valve until a temperature higher than normal engine temperature is reached, a manually operated element associated with said heater to render the latter operative or inoperative, and actuating means connected between said movable member and said element and operated incidental to operation of said element in a manner to render said heater operative and to move said member to its second position of adjustment.

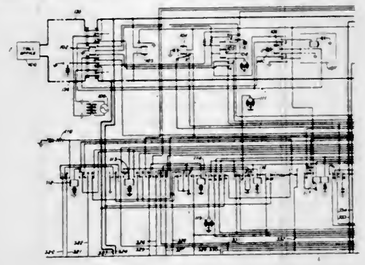
2,277,599
MANUFACTURE OF PLASTIC ARTICLES
Archibald B. McGinnis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia
Application October 12, 1937, Serial No. 168,549
2 Claims. (Cl. 18—42)



2. Apparatus for molding internally threaded closure caps from plastic material comprising an externally threaded mold pin member and a co-operating cavity member free of threads whereby upon removal of the pin from the cavity, the molded cap will be joined to and move with said pin member, said members being adapted for attachment to relatively movable opposed press elements, said force pin member having a vent extending from the free extremity thereof upwardly therethrough and open at all times to atmosphere for relieving pressure inside the molded plastic article before the mold is opened whereby the article will not be expanded by trapped gases when the molding pressure is relieved and while the article remains screwed onto the pin about which it is formed, said vent being positioned eccentrically with regard to the longitudinal axis of the pin whereby the unscrewing of the closure will shear the plastic material that enters the vent.

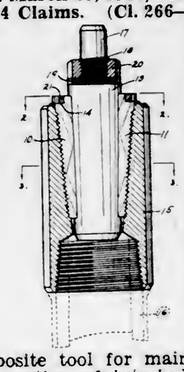
2,277,600
TELEPHONE SYSTEM
James B. McKim, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 5, 1940, Serial No. 312,468
10 Claims. (Cl. 179—27)

1. In an automatic switching telephone system, incoming trunks, outgoing trunks, a train of automatic switches operable for connecting said incoming trunks to said outgoing trunks, operators' positions, a link switching system independent of said train of switches operable in response to a signal over an incoming trunk for connecting said incoming trunk to an operator's



position, means under the direction of said operator for operating said train of switches to establish a connection between an incoming and an outgoing trunk, and means for optionally locking said link switches to said established connection.

2,277,601
TOOL
Frank Morgan, Healdton, Okla.
Application March 25, 1940, Serial No. 325,797
4 Claims. (Cl. 266—2)

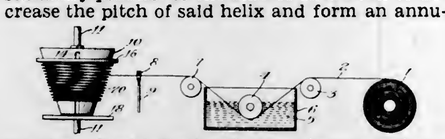


1. A composite tool for maintaining the interior configuration of interiorly threaded tool joint boxes and the like during heat treatment and subsequent cooling of their walls comprising: a longitudinally sectioned substantially tubular shell exteriorly tapered and threaded to complementally screw into at least a portion of the tapered, threaded bore of a tool joint box, said shell having a longitudinal recess therein the cross sectional area of which decreases regularly from one of its ends to the other; and a pin shaped to complementally enter the recess in said shell, and adapted to expand the shell sections radially as it penetrates further into the shell recess.

2,277,602
METHOD OF MAKING AN ENDLESS WOUND CLUTCH FACING
Izador J. Novak, Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application July 24, 1939, Serial No. 286,054
5 Claims. (Cl. 154—2)

1. A method of making an endless clutch facing which comprises, winding a mass of strand-

like material in the form of a conical helix, displacing the loops of said helix in a direction substantially parallel to the axis of said helix to decrease the pitch of said helix and form an annu-



lar ring of said displaced mass, incorporating a curable binder with said strand-like material, and subjecting said mass to pressure and heat to compact the mass and substantially cure the binder.

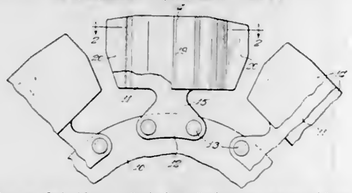
2,277,603

CLUTCH PLATE

Harold Nutt and Harold V. Reed, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application September 22, 1939, Serial No. 296,078

2 Claims. (Cl. 192—107)



1. In a friction clutch plate, a mounting disc comprising a substantially circular central disc portion having a radius more than half but substantially less than the total radius of the driven plate, said central disc portion being of sheet metal of such thickness as to be substantially unyielding and to adequately withstand the torque loads imposed upon it during clutch operation, and a peripheral region having a low rotational inertia, said peripheral region comprising a plurality of yieldable cushion members of materially lesser thickness and weight per unit area than said disc portion, said cushion members occupying an annular region the inner extremity of which lies radially beyond but relatively near the periphery of the disc, neck members, of reduced circumferential width compared to that of said cushion members, joining said cushion members to the disc portion, and friction facings bonded to the faces of said cushion members, said cushion members with their attached facings each including an intermediate region joined to said neck member and a pair of wing portions extending on either side of said intermediate region and being bowed circumferentially with a single curvature throughout said intermediate region and throughout major portions of said wing portions and with a reverse bend near the extremity of each wing portion providing a pair of lands adapted on one side to engage one of a pair of clutch driving members while the opposite side of the intermediate region engages the other of said driving members.

2,277,604

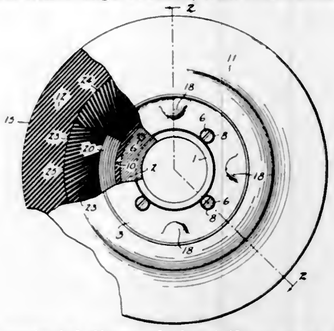
RUBBER TIRED WHEEL CONSTRUCTION

Glenn H. Orr, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 2, 1939, Serial No. 297,491

6 Claims. (Cl. 152—7)

1. A tire comprising a substantially solid rubber annular cushion body having an outwardly directed peripheral road engaging surface and an inner edge formed to be received on a wheel rim, an inextensible core embedded in the body adjacent the inner edge thereof, and reinforcing cord



fabric material disposed about the core and having radial portions which extend toward said surface from the core, said portions being disposed in side by side contacting relation to one another.

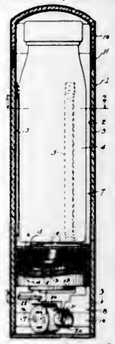
2,277,605

ELECTRICALLY HEATED BOTTLE WARMER

Rudolph T. Palitzsch, Portland, Oreg.

Application October 2, 1939, Serial No. 297,536

4 Claims. (Cl. 219—43)



1. In an electric heating device, an elongated heat insulated housing defining a chamber enclosing a removable container at one end and a heating chamber at the other, a continuous heat-conducting sheathing arranged interiorly of said housing, extending from said heating chamber to said first mentioned chamber and flexible clips joined to said sheathing extending substantially the entire length of the first mentioned chamber, said clips being characterized by being poor heat conductors, said sheathing with said clips being proportioned and arranged to encompass closely the container located in said first mentioned chamber, and an electric heating element comprising a substantial length of a conductor member of small cross-sectional area.

2,277,606

RAILWAY TRUCK

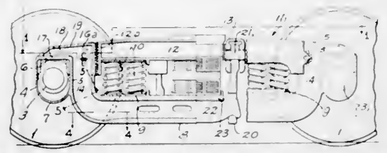
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application September 19, 1940, Serial No. 357,411

5 Claims. (Cl. 105—208.1)

1. In a railway truck, spaced axles, wheels fixed

thereon, a unitary U-shaped equalizer structure comprising upright guide members adjacent the ends of said axles at the same side of the truck, and a horizontal beam member merging with the lower portions of said guide members, each guide member including upright webs extending transversely of the truck and spaced apart longitudinally of the truck, there being webs interconnecting said first-mentioned webs and forming therewith a rigid section of substantial depth transversely and longitudinally of the truck, the outer of said transverse webs forming an axle box side wall, said unitary structure opening upwardly be-



tween said guide members, springs seated on said horizontal beam member adjacent said upright guide members, and a truck load-carrying frame carried on said springs and extending from one of said guide members to the other and terminating in upright elements disposed transversely and longitudinally of the truck and opposing similarly disposed upright elements on said guide members, whereby the truck frame and unitary structure may move vertically relative to each other while they are held against displacement relative to each other longitudinally and transversely of the truck.

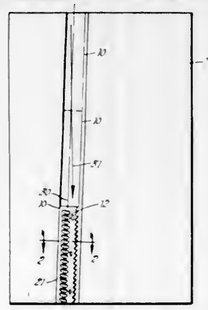
2,277,607

BROACHING TOOL

Howard L. Pope and George R. Squibb, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application March 10, 1941, Serial No. 382,562

12 Claims. (Cl. 29—95.1)



1. A broach having a series of cutting edges lying in a given plane, and a second series of cutting edges lying in a second plane, each edge of the first series meeting an edge of the second series in the line of intersection of said planes and all of said edges being non-perpendicular to the line of intersection of said planes.

2,277,608

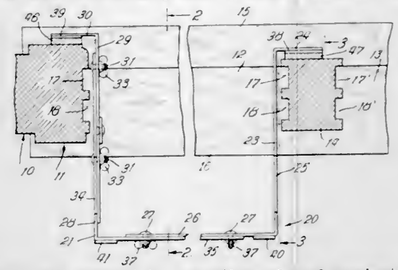
WINDOW SEAT

Maurice Rosenblatt, Chicago, Ill.

Application May 2, 1941, Serial No. 391,530

8 Claims. (Cl. 304—24)

1. In a window seat device, a generally U-shaped seatless frame of which the closed end portion is projectible outwardly of a window to effect a back rest, flanges directed laterally outwardly from the free end portions of the frame legs to abut against inner peripheral portions of a wall containing said window, and a boss



fixed with respect to a portion of and projecting downwardly from at least one of said legs for engagement with the outer edge of the outer window sill to cooperate with said flanges in clamping the device firmly upon said wall.

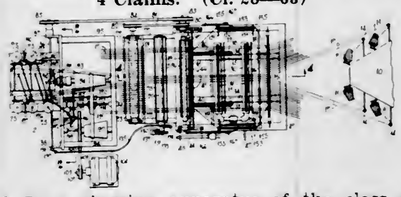
2,277,609

METHOD AND MEANS FOR TREATING YARN

Carl A. Rudisill, Cherryville, N. C.

Application April 30, 1941, Serial No. 391,102

4 Claims. (Cl. 28—63)



1. In a singeing apparatus of the class described, the combination of means for singeing a plurality of strands of yarn at a time, and winding the strands into individual packages and means for releasably supporting any of said strands out of contact with said singeing means whereby a broken strand can be tied to its respective package without affecting the singeing operation of the other strands, said means for releasably supporting the strands comprising a pair of horizontally disposed rods disposed at each side of the apparatus and above the plane occupied by the singeing means, a pair of vertically movable rods projecting above the horizontally disposed rods, whereby a parted re-tied strand can be held away from the singeing means, and remotely controlled means for lowering the vertically movable rods below the horizontally disposed rods to allow the re-tied strand to assume its normal position relative to the singeing means.

2,277,610

FRICTION CLUTCH

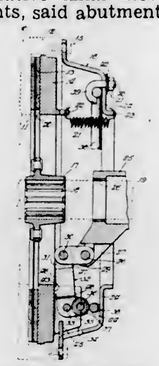
Carl A. Ruesenberg, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application September 15, 1939, Serial No. 294,982

6 Claims. (Cl. 192—68)

5. In a friction clutch including friction clutching elements relatively movable axially with respect to each other for effecting clutch engagement and disengagement, an abutment member carried by one of said elements, said

member having an abutment region of varying height with respect to its general plane, and an operating member fulcrumed on the other of said elements and having a cam surface adapted, when said operating member is moved about its fulcrum, to coact with said abutment region so as to cause relative axial movement of said clutching elements, said abutment member being



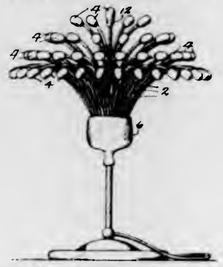
adjustable circumferentially with relation to said operating member so as to present different portions of said abutment region for engagement by said cam surface, said abutment region being of spring metal and having limited axial yielding movement under the pressure of said operating member, said cam surface being arcuate in circumferential cross-section so as to adapt itself to any portion of said abutment region.

2,277,611

ILLUMINATED AND ORNAMENTAL DEVICE

Fredrick Schaaf, Brooklyn, N. Y.

Application May 10, 1939, Serial No. 272,805
6 Claims. (Cl. 240—10)



2. A device of the class described comprising in combination a cluster of metallic tubes rigidly secured to each other, a metal adapter at their base ends to which the tubes are welded, the outer ends of said tubes being provided with lamp receiving sockets, said tubes being of flexible material enabling them to be bent into various shapes thereby to alter the appearance of the cluster.

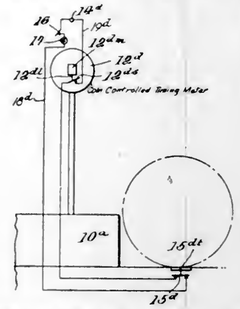
2,277,612

PARKING METER SYSTEM

William Stuart Symington, New York, N. Y., assignor to Vehicular Parking, Ltd., Washington, D. C., a corporation of Delaware

Application June 30, 1938, Serial No. 216,807
5 Claims. (Cl. 161—15)

4. A system for controlling the parking of vehicles, comprising in combination, a plurality of meters for timing a corresponding plurality of parked vehicles, each of said meters including signal means to show proper and improper parking adjacent thereto; an annunciator; and electrical means interconnecting each of said meters with said annunciator, said electrical means including circuit means operated by the meter upon sig-



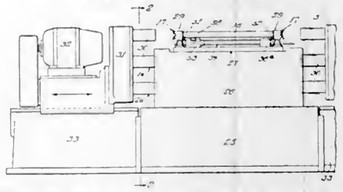
nalling improper parking and also including circuit means operated by a vehicle upon its being parked adjacent the meter, said electrical means operating said annunciator to show improper parking during the time both of said circuit means are in said operated states.

2,277,613

METHOD OF PROCESSING AUTOMOBILE PROPELLER SHAFTS

Carl E. Swenson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application August 12, 1939, Serial No. 289,764
7 Claims. (Cl. 29—152)



1. The steps in the method of manufacturing tubular motor vehicle propeller shafts, comprising: first selecting a length of tubing to form the shaft, then swaging an end region of the tube to a reduced diameter, then forming the end of said reduced portion with an internal frusto-conical locating surface; providing a fitting having a frusto-conical exterior locating surface, supporting the fitting and tube with said frusto-conical surfaces in contact with each other under axial pressure so as to cause a fitting to be centered with reference to the tube, then welding the fitting and tube together at the locating surfaces, then locating the shaft with the axis of the external surface of its major diameter in alignment with the axis of a rotary cutting tool, and subsequently machining the fitting by means of said tool to produce surfaces thereon that are coaxial with said axis.

2,277,614

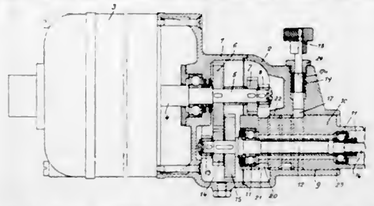
CHANGE SPEED GEAR

Willy Suhner, Brugg, Switzerland

Application November 1, 1939, Serial No. 302,457
In Switzerland November 8, 1938
7 Claims. (Cl. 74—342)

1. In a change-speed-gear, a driving shaft and

a driven shaft parallel one to another, at least three toothed wheels of different diameters mounted on each of these shafts, a rotatable sleeve forming bearings for one of said shafts and adapted to be displaced in axial direction, said shaft being eccentrically supported in this sleeve in such a way that by displacing and partially



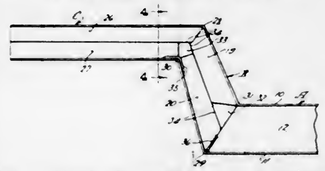
rotating said sleeve the largest wheel on each of said shafts can be brought alternatively into engagement with two of the smaller wheels on the other shafts, circumferential grooves being provided on the sleeve, a fixing means adapted to engage alternatively with said circumferential grooves to secure the sleeve in position.

2,277,615

METHOD OF MAKING STRUCTURAL BEAMS

Roy Chester Townsend, La Crosse, Wis.

Application September 25, 1939, Serial No. 296,407
11 Claims. (Cl. 29—155)



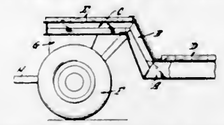
1. The method of making a reverse bend in a structural beam of the type having a pair of spaced flanges connected by a web, which comprises cutting the web to form openings adjacent the flanges at the points at which the beam is to be bent and removing a medial longitudinally extending section of the web from a point adjacent said openings outward through the end of the beam, bending the beam in the plane of the web at the said openings and forcing the flanges toward each other to draw the retained web parts together along the line at which the longitudinally extending section has been previously removed to thereby reduce the space between the flanges along the bent portion of the beam, and reuniting the cut portions of the web, with one end portion of the beam reduced in size, as between its flanges.

2,277,616

STRUCTURAL BEAM

Roy C. Townsend, La Crosse, Wis.

Application July 31, 1941, Serial No. 404,746
2 Claims. (Cl. 189—37)



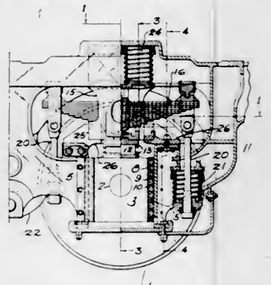
1. A structural beam having spaced flanges joined by a web and having a reversely bent portion connecting an offset end portion formed by cutting the web between the flanges to permit said flanges to be bent at spaced points in the plane of the web, and brace plates welded to one flange and the web at the junction of said offset end portion and reversely bent portion of the beam.

2,277,617

RAILWAY VEHICLE

James C. Travilla, Jr., University City, Mo., and Otto Jabelmann, Omaha, Nebr.; said Travilla assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application February 26, 1940, Serial No. 320,772
6 Claims. (Cl. 105—222)



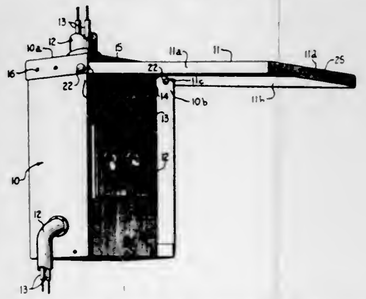
1. In a railway vehicle, an axle box, a frame including a pedestal receiving said axle box, a bracket on said pedestal, a spring saddle, a lateral motion device mounting said saddle on said axle box, a leaf spring carried by said saddle and supporting said frame, a coil spring carried by said saddle and housed in and supporting said frame, said bracket being removably fastened to said pedestal so that said springs and saddle may be removed laterally from said frame.

2,277,618

ENCLOSURE

Raymond E. Utter, Cincinnati, Ohio

Application June 25, 1938, Serial No. 215,767
3 Claims. (Cl. 220—38)



3. In a sheet metal enclosure of the class described, a box construction having two open sides, a movable cover member for one open side of the box construction having flanges adapted to overlie the sides of the box construction when the cover member is in closed position, elongated slot means in the flanges adjacent one end of the movable cover member, a fixed cover member for the second open side of the box construction having a frontal depending flange to cooperate with the movable cover member when the movable cover member is in closed position, depending flanges on the fixed cover member adapted to overlie the flanges on the movable cover member

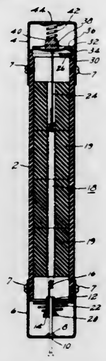
and to form a narrow passageway with the sides of the box construction, pivot means fixed in the passageways to cooperate with the elongated slots in the flanges of the movable cover member to form a pivot for the movable cover member to allow the movable cover member to swing from open to closed position and to allow relative lateral movement of the movable cover member in an inwardly direction with respect to the box construction, and catch means including a slot means in the box construction to cooperate with the movable cover member adjacent the pivot means adapted by the lateral movement of the movable cover member to engage a portion of the movable cover member to hold the movable cover member in a predetermined angular relation for the open position with reference to the box construction.

2,277,619

CIRCUIT INTERRUPTER

James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 28, 1939, Serial No. 311,358
17 Claims. (Cl. 200—113)



1. In a circuit interrupting device having a pair of terminals, a fuse link connected to one of said terminals, and a thermally responsive movable element connected to the other of said terminals and normally engaging said link, whereby said element is movable away from said link in response to predetermined conditions to break the circuit, and the fusible portion of said link being closer to said element than other conducting parts of the link at least when said element is moved away from said link, whereby an arc will be established between said element and the fusible portion of said link.

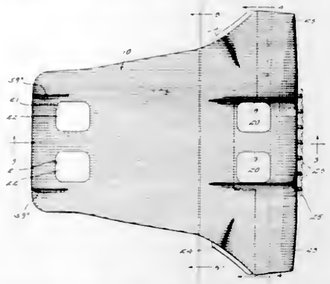
2,277,620

SKIMMING CRAFT

Douglas K. Warner, Sarasota, Fla.

Application January 23, 1939, Serial No. 252,476
11 Claims. (Cl. 114—66.5)

8. A skimming craft comprising an airfoil extending from end to end of said craft, the lateral edge portions of said airfoil inclined downwardly from the central portion thereof for contact with the surface of the water, thereby forming a channel beneath the craft extending from end to end thereof, the forward portion of each lateral edge formed to provide a wing portion, said airfoil formed to provide angles of incidence with respect to the longitudinal axis of the craft, the angle of incidence of said wing portions being greater than the angle of incidence of the central portion of the airfoil, thereby increasing the stability longitudinally of the craft.

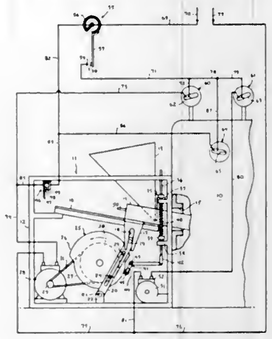


2,277,621

CONTROL SYSTEM FOR FORCED DRAFT STOKERS

Wilbur J. Weber, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 13, 1939, Serial No. 267,625
5 Claims. (Cl. 236—9)



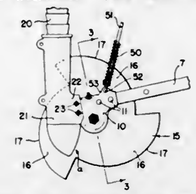
3. In a control system, in combination, means forming a combustion chamber, means comprising an automatic stoker for feeding fuel into the combustion chamber, said stoker means being of a type arranged to repeatedly go through operating cycles so as to periodically deposit charges of fuel in the combustion chamber and after having been started always going through at least one cycle, means for supplying draft to said combustion chamber, temperature responsive means controlling said stoker means in accordance with demands for heat, control means for preventing said stoker means from depositing a charge of fuel in the combustion chamber after said temperature responsive means is satisfied, said control means comprising a device responsive to a condition indicative of the amount of combustion in the combustion chamber, said device being operable to stop said stoker means and being normally set to operate at a value of said condition such that the stoker means is shut down before the temperature responsive means becomes satisfied, and means operative at a different value of said condition for discontinuing operation of said draft supply means, said last mentioned value of the condition being such that normally the draft supply means remain in operation until the temperature responsive means is satisfied.

2,277,622

PLANTER

Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application May 5, 1939, Serial No. 271,824
7 Claims. (Cl. 111—88)



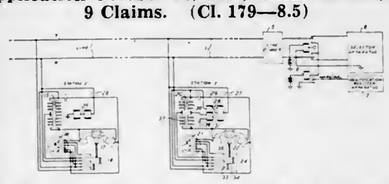
1. A planter comprising a rotatable furrow opener including a single disc forming the sole furrow opening means and mounted for rotation generally in a plane disposed at an angle to the line of travel of the planter, the edge portions of said disc including sections also disposed at an angle to the line of travel, the periphery of said sections varying substantially uniformly in radial dimension, whereby when said disc is drawn through the soil, portions of the latter at progressively different depths below the surface are displaced laterally, corresponding to the form of said sections, to form a furrow of variable depth, and means for directing seed into the furrow opened by said disc.

2,277,623

TELEPHONE SYSTEM

Lawrence H. Allen, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 12, 1939, Serial No. 299,105
9 Claims. (Cl. 179—8.5)



1. In a telephone system, a line, a subscriber station telephone set comprising an induction coil having two primary windings, normally disconnected from the line, a condenser, a ringer having a high impedance winding and a low impedance winding, a circuit connecting one side of the line through the condenser and high impedance winding to the outer end of one primary winding, a permanent circuit connecting the inner ends of the two primary windings together and over a tap through the low impedance winding to ground, and means operative when the subscriber is calling for shunting said condenser and high impedance winding, connecting said one side of the line to said outer end of said one primary winding, and connecting the other side of the line to the outer end of the other primary winding.

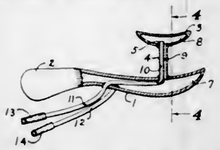
2,277,624

DENTAL TRAY

Alfred H. Bartling, Waurika, Okla.

Application May 22, 1941, Serial No. 394,717
6 Claims. (Cl. 32—17)

1. A dental tray comprising a pair of hollow wings adapted to receive an impression material therebetween, a spacing device extending between said wings in position to extend through the impression material, and means for circulating a heat exchange medium along said spacing device between the wings and through said hollow wings to provide heat exchange with the interior and exterior of the impression material around the spacing device.

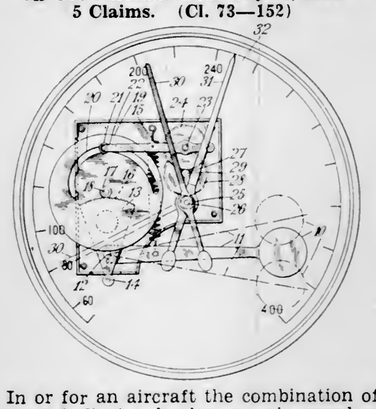


2,277,625

AIRCRAFT INSTRUMENT

Leslie Everett Baynes, Iver Heath, England, assignor to Alan Muntz & Company Limited, Hounslow, Middlesex, England, a British company

Application March 5, 1941, Serial No. 381,923
In Great Britain February 20, 1940
5 Claims. (Cl. 73—152)



1. In or for an aircraft the combination of an air speed indicator having an air speed scale and a pointer moving thereover, a stalling speed indicator mechanism having a mass movable under the combined effects of gravity and additional acceleration due to manoeuvring the craft, a device to apply a controlling force tending to counteract movement of the mass, a pointer having operative connections with said mass to indicate the extent of movement of the mass, which pointer is concentric with and works over the same scale as the air speed pointer, said device to apply a controlling force and said connections being such as to cause the stalling speed pointer to indicate stalling speed correctly on the air speed scale.

2,277,626

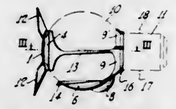
LIGHT DEFLECTOR

Alois Carl Bommer, Zurich, Switzerland

Application May 25, 1940, Serial No. 337,138
In Switzerland December 23, 1938
10 Claims. (Cl. 240—48.6)

1. In combination with an electric light bulb a dimming and light dividing system, comprising frontal reflector means disposed at the forward end of said bulb, lateral flap means extending substantially laterally from said frontal reflector means, flap means extending substantially upwardly from said frontal means and overlapping the upper edges of said lateral flap means, another flap means extending downward from

said frontal reflector means and overlapping the lower edges of said lateral flap means, holding means disposed around the rear portion of said bulb, narrow lateral bridge means connected to



and extending laterally rearward adjacent said bulb from said lateral flap means to said holding means, and a flap-like shield means connected with the lower part of and extending substantially forward from said holding means.

2,277,627

LEAD ALLOY FOR CABLE SHEATHS

George M. Bouton, Lynbrook, N. Y., and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application July 2, 1938, Serial No. 217,222

7 Claims. (Cl. 75—166)

1. An alloy consisting of 99.75 per cent lead and .25 per cent antimony.

2,277,628

COLORING MATTERS OF THE PHTHALOCYANINE SERIES

Eric Flower Bradbrook, Samuel Coffey, and Norman Hulton Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 21, 1939, Serial No. 305,562. In Great Britain December 8, 1938

16 Claims. (Cl. 260—314)

1. Process for the manufacture of new phthalocyanine pyridinium salts which comprises causing pyridylphthalocyanines to interact with quaternising agents.

2,277,629

COLORING MATTERS OF THE PHTHALOCYANINE SERIES

Eric Flower Bradbrook, Manchester, Isidor Morris Heilbron and Donald Holroyde Hey, London, and John Wynne Haworth, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 29, 1939, Serial No. 306,772. In Great Britain November 28, 1938

11 Claims. (Cl. 260—314)

1. Process for the manufacture of new phthalocyanines nuclearly substituted by pyridyl groups comprising interacting pyridylphthalonitriles with metal-yielding substances.

2,277,630

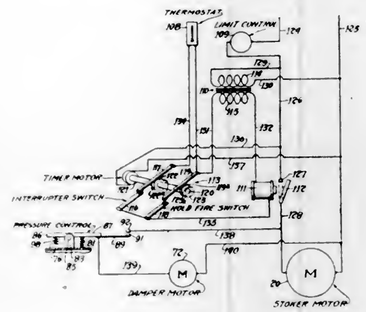
APPARATUS FOR BURNING FUEL

Robert E. Bressler, Oregon, Ill., assignor to Kol-Master Corporation, Oregon, Ill., a corporation of Illinois

Application March 16, 1939, Serial No. 262,194

7 Claims. (Cl. 110—101)

1. In combination with a retort, means for feeding fuel thereto to build up a fuel bed thereon, means for supplying air to the fuel bed to support combustion thereof, means responsive to the demand for heat for controlling the operation of said fuel feeding means and said air supplying means, means for controlling the volume of air supplied to the fuel bed to provide a burning rate therefor which in one instance is lower than that of the feeding rate of feul and in another instance is higher than that of the feeding rate of fuel, means responsive to the



pressure of the supplied air when said temperature responsive means is calling for heat for causing the operation of said air volume controlling means, and means separate from and operable only when said temperature responsive means is calling for heat for periodically stopping and restarting said fuel feeding means and said air supplying means.

2,277,631

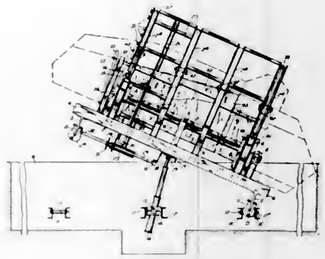
ASSEMBLY JIG FOR PLATE WELDING AND OTHER OPERATIONS

William Edmund Bullock, near Compton, Wolverhampton, England, assignor to Guy Motors Limited, Wolverhampton, England

Application January 27, 1941, Serial No. 376,236

In Great Britain June 2, 1939

1 Claim. (Cl. 29—89)



A jig for use in assembling the component parts of composite metal structures comprising a substructure arranged for tilting at either end, a hollow framework rotatably mounted on said substructure and consisting of a series of co-axially arranged metal rings spaced apart in parallel planes and connected together by longitudinal members, said framework being adapted to receive the component parts, and means arranged within said framework for holding said component parts in the relative positions in which they are to be secured together.

2,277,632

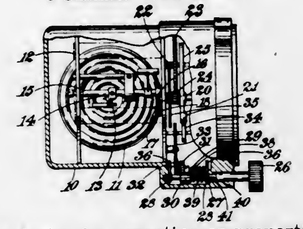
ADJUSTABLE MOTION TRANSMISSION MECHANISM FOR ALTIMETERS OR THE LIKE

Charles Edward Meyer Butler, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England, a British company

Application April 25, 1941, Serial No. 390,382

In Great Britain March 4, 1940

8 Claims. (Cl. 73—4)



4. In a device for repeating or proportionately reproducing the movements of a primary instrumentality in a second instrumentality such as an indicator or the like, which device includes a casing, a transmission mechanism in said casing and operatively connecting said instrumentalities, and a rotatable adjusting gear operatively connected in said transmission mechanism for advancing or receding the position of the second instrumentality with respect to the primary instrumentality, as for effecting a correction in an indicator setting: apparatus for moving said adjusting gear at will, said apparatus including a manual control member carried by the casing for adjusting said mechanism through the adjusting gear, a bracket pivotally mounted on the casing, a driving gear coupled to said manual control and rotatable about the pivotal axis of the bracket, and an intermediate gear rotatable on the bracket and meshing with said driving gear, which bracket is movable about the pivotal mounting thereof to bring the intermediate gear into correct mesh with the said adjusting gear.

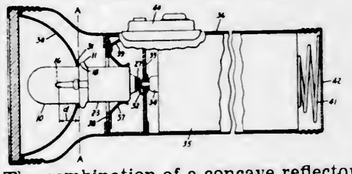
2,277,633

ELECTRIC LAMP AND MOUNTING

Joseph D. Ceader, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application January 8, 1938, Serial No. 184,046

2 Claims. (Cl. 240—10.6)



1. The combination of a concave reflector having a centrally located opening therein, an electric lamp comprising a tubular bulb extending into said reflector from the rear thereof, said bulb having an integral outwardly extending annulus thereon forming a shoulder facing forwardly of the bulb and engaging the rear of said reflector around the said opening therein and a concentrated light source located in the portion of said bulb within said reflector at a definite predetermined distance from the plane of the forward face of said shoulder, and means behind said reflector for engaging said lamp and pressing the said forward face of said shoulder thereon in engagement with the rear of said reflector to hold the said light source in definite relation to the focus of said reflector.

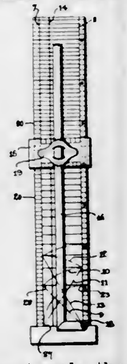
2,277,634

SQUARE ROOT SCALE

George Rosenius Dalager, Glenwood, Minn.

Application August 18, 1939, Serial No. 290,850

4 Claims. (Cl. 33—75)



1. In a square root scale, the combination of a ruler having graduations or lines disposed at different distances from a common origin, the distance of each line or graduation from the common origin representing the square root of a certain value, a rod pivotally mounted on one end of the ruler at the common origin, a second series of graduations extending along one longitudinal edge of the ruler and representing definite like sub-divisions throughout its length, a vernier scale adjustably and slidably mounted on said rod and disposed generally transversely of the ruler, said vernier scale having markings along one longitudinal edge portion sub-dividing it into like graduations to those of the aforesaid second series of graduations on the scale, whereby the rod and vernier scale may be swung laterally to bring the vernier scale to a predetermined point of conjunction with a desired portion of the ruler for making mathematical calculations quickly, substantially as and in the manner described in the foregoing specification.

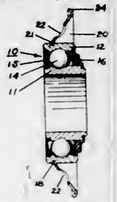
2,277,635

BEARING MOUNTING

Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 17, 1939, Serial No. 290,622

6 Claims. (Cl. 308—22)

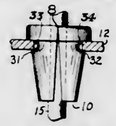


1. In a device of the character indicated, a support provided with a flat side bearing face and having a bore laterally extending from said face, an annular bearing member received in said bore and having a peripheral groove, a substantially flat sheet metal bearing flange seated in said groove, a bent-over marginal reinforcing rim on said flange, and means demountably securing the flange in flat seated engagement on said housing; substantially as described.

2,277,636
SECONDARY OR STORAGE BATTERY
James Joseph Drumm and Albert George Burnell, Inchicore, Dublin, Irish Free State, assignors to Drumm Battery Company Limited, Inchicore, Dublin, Irish Free State
No Drawing. Application June 28, 1937, Serial No. 150,884. In Great Britain April 6, 1937
2 Claims. (Cl. 136—29)

1. A process of forming a negative electrode for an alkaline electric accumulator of the kind referred to which consists in preparing a nickel plate free from manganese and magnesium and containing at least 99.4% nickel, not more than 0.5% cobalt, not more than 0.1% iron, not more than 0.02% copper, not more than 0.02% carbon and not more than 0.02% silicon, and subjecting the said plate to an annealing in a hydrogen atmosphere at a temperature of at least 1250° C. whereby to remove oxygen and sulphur and give the plate a homogeneous crystal structure.

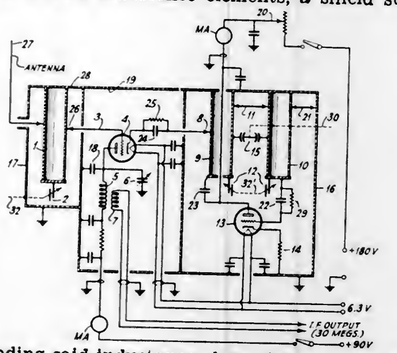
2,277,637
GROMMET
Hugh H. Eby, Jenkintown, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 15, 1939, Serial No. 273,745
7 Claims. (Cl. 174—153)



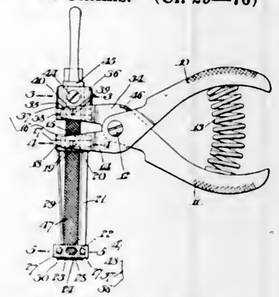
4. In combination with a cord covered with compressible resilient insulation of a predetermined total effective cross sectional area, a grommet formed of two identical substantially rigid and non-compressible portions, each portion including a flange and a shoulder in spaced relation axially of the grommet, and having a partial substantially axial cord channel groove of less than half of the effective cross sectional area of said cord, the portions being assembled in relatively movable relation with the grooves forming a cord channel embracing said cord and continuously compressing the insulation thereof in assembly, said portions in assembly being relatively movable in both directions between two extreme positions in one of which the effective cross sectional area of the cord channel is a minimum and the cord insulation is compressed to a greater degree than in the other extreme position in which the effective area of the cord channel is greater and said portions being so constructed and arranged that in the position of greatest compression the transverse distance between the shoulders is appreciably less than it is in the second mentioned position in which the continuing cord compression is lessened whereby anchoring of the grommet in a support and of the cord in the grommet are both functions solely of the compression and resilience of said insulation.

2,277,638
ULTRA HIGH FREQUENCY SYSTEM
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 20, 1939, Serial No. 280,020
26 Claims. (Cl. 250—20)

1. An oscillation generator comprising an electron discharge device having an anode, a cathode and a control electrode, a pair of rod-like inductance elements arranged parallel to each other and electrically connected to each other at one end and having a balanced tuning condenser arrangement coupling together the other ends of said inductance elements, a shield surrounding said inductance elements, a connection from said cathode to said shield, and paths of low impedance to energy of the operating frequency from said last ends of said inductance elements to said anode and control electrode.



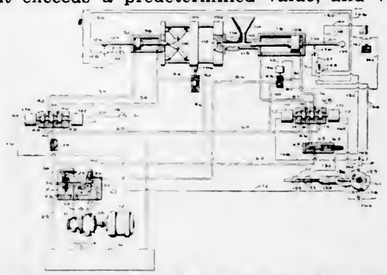
2,277,639
FILING TOOL
Robert W. Hamilton, Philadelphia, Pa.
Application October 16, 1940, Serial No. 361,414
12 Claims. (Cl. 29—76)



1. A portable hand tool for dressing the contacts of electrical make and break devices comprising a file unit, two members movable toward and away from each other, parts connected to said members for manual actuation thereof, means carried by one of said members for clamping the file unit thereto, parts carried by the other member and extending therefrom, and a foot member supported by said extending parts and in which the end of the file unit is guided.

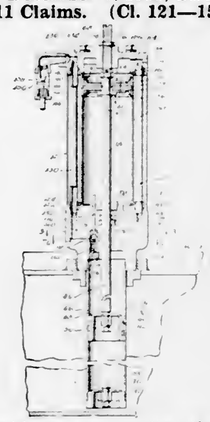
2,277,640
POWER TRANSMISSION
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 3, 1938, Serial No. 211,623
2 Claims. (Cl. 60—52)

1. A fluid power transmission system comprising a plurality of fluid motors, a large volume pump and a small volume pump, directional control means and conduits including a common delivery conduit connecting said pumps to deliver fluid jointly to each of said motors in sequence, an unloading valve responsive to the delivery pressure in said common delivery conduit for bypassing the delivery of the large volume pump when the pressure in said common delivery conduit exceeds a predetermined value, and valve



means controlled by one motor for temporarily rendering the unloading valve ineffective during at least a portion of the working stroke of said one motor.

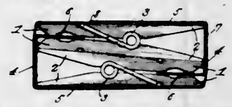
2,277,641
FLUID MOTOR FOR LUBRICANT PUMPS
Robert L. Harter, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 7, 1938, Serial No. 244,363
11 Claims. (Cl. 121—157)



2. In a fluid pressure motor, the combination of a cylinder, a piston reciprocable therein, a valve for controlling the application of fluid pressure to the opposite ends of said cylinder alternately, a means for controlling the operation of said valve, said last named means comprising a piston member operatively connected to said valve, a spring operable to move said valve in one direction, conduit means for applying fluid pressure to said piston member to move said valve in the opposite direction, manually operable means for venting the fluid pressure applied to said valve, thereby to permit movement of said valve under the influence of said spring, and a valve in said conduit to control the flow of pressure fluid therethrough and operated by the motion of said piston.

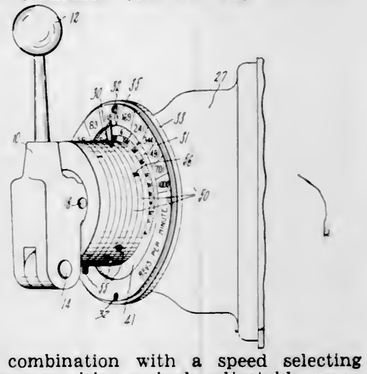
2,277,642
CLOTHESPIN PACKAGE
Arthur D. Hayes, Montpelier, Vt.
Application August 28, 1940, Serial No. 354,613
1 Claim. (Cl. 206—46)

A clothespin package comprising a plurality of clothespins of the spring pressed handled jaw type assembled in a pair of superimposed rows, a cross sectional substantially U-shaped member for each row and each member having one parallel wall thereof wider than the other, the members being of a length co-extensive with that of the rows, each member having the jaws of its row clamped to the narrow wall thereof



for holding the pins in row formation, said pins being arranged with the jaws of one row opposed to the jaws of the other row and having the handles mounted within the channels of said members with the wide walls disposed about the outer faces of the rows for holding the latter assembled, and a transparent protective wrapper adhesively secured about the assembled rows for incasing the latter.

2,277,643
SPEED CONTROLLING MECHANISM
Morris P. Holmes, Claremont, N. H., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application November 22, 1939, Serial No. 305,662
6 Claims. (Cl. 116—124)

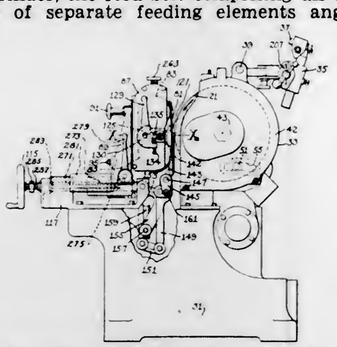


1. The combination with a speed selecting mechanism comprising a single adjustable member determining by its position of adjustment in a single plane the speed selection of said mechanism, of an element adjustable relative to said member in accordance with one speed determining factor for indicating in accordance with another speed determining factor shown thereon the proper setting of said member in said plane to select a speed proper for both factors.

2,277,644
GRINDING AND POLISHING MACHINE
William S. Howe, Hinsdale, N. H., assignor to Production Machine Company, Greenfield, Mass., a corporation of Massachusetts
Application July 28, 1939, Serial No. 287,035
10 Claims. (Cl. 51—103)

1. In a centreless grinding machine, the combination with a rotating grinding wheel, of a feed belt for engaging the work on the opposite side thereof from the grinding wheel to control the rotation of the work, a work support located between the wheel and the belt for supporting the rotating work, supporting devices for the belt, and means for driving the belt at a substantially

less lineal speed than the peripheral speed of the grinder, the feed belt comprising an endless series of separate feeding elements angularly



movable with respect to one another to permit flexing of the belt on the supporting devices, each element being provided with a flat, work engaging face of rigidly held abrasive material.

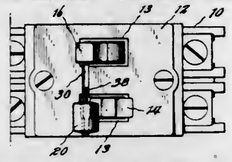
2,277,645

COUPLING FOR ELECTRIC SWITCH HANDLES

David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut

Application April 21, 1941, Serial No. 389,647

16 Claims. (Cl. 200—172)



1. In combination, a plurality of neighboring switch operating levers movable in parallel planes, each lever having a transverse aperture, a coupling for said levers comprising a hollow body between adjacent levers and having a passageway with a shoulder therein, a connecting member extending loosely through said body with its ends in two of said hand lever apertures, means preventing said connecting member from moving entirely through the apertures of said two levers, means preventing withdrawal of said connecting member from one end of said body after being inserted in said body.

2,277,646

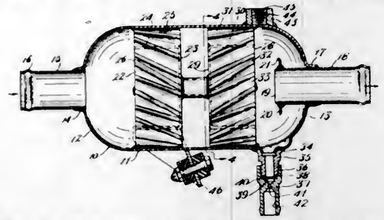
OIL SEPARATOR

James P. Johnson, Shaker Heights, Ohio, assignor to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio

Application May 13, 1939, Serial No. 273,569

4 Claims. (Cl. 183—110)

1. A separator for removing oil from oil ladened air including a closed cylindrical housing having converging end wall portions communicating respectively with a tubular inlet for oil ladened air and a tubular outlet for oil freed air, means in said housing adjacent and below the said air outlet for removing oil therefrom, and means interposed between said inlet and said outlet effective to produce swirling and changes in the direction of flow of said oil ladened air whereby the resulting forces are effective to cause the oil to separate from the air, said means comprising a plurality of axially spaced tubular members of a diameter less than the inside diameter of said cylindrical housing, each having a transverse wall preventing passage therethrough of oil and air, the outer periphery of each of said tubular members being spaced radially inwardly of the inner wall of said housing, thus forcing the oil and air to all pass between the outer periphery



of each of said tubular members and the wall of said housing, corrugated members positioned between said tubular members and the inner periphery of said housing, the ridges of said corrugations being inclined with respect to the axis of said cylinder, said corrugated ridges on adjacent tubular members being inclined in opposite directions relative to the axis of said housing.

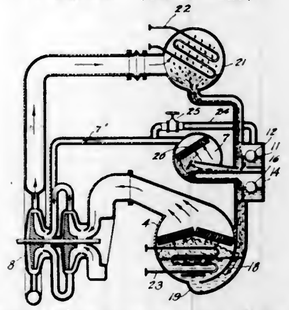
2,277,647

REFRIGERATION

Walter Jones, Princeton, N. J., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application August 1, 1940, Serial No. 349,156

8 Claims. (Cl. 62—115)



1. An economizer arrangement of the character described comprising a first chamber, a second chamber at a level below the first chamber, means for automatically feeding refrigerant from a condenser to the first chamber, an orifice in each chamber, and means for regulating the opening of said orifice whereby refrigerant in desired volume will first be admitted from the first chamber to a third chamber to effect separation of vapor therefrom, then be admitted to the second chamber, and finally be admitted from the second chamber to a cooler.

2,277,648

LAMP FIXTURE AND SOCKET THEREFOR

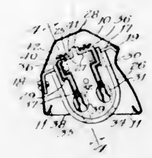
Carl Krauss, Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc., a corporation of Illinois

Application December 16, 1938, Serial No. 246,050

1 Claim. (Cl. 173—328)

A socket for receiving a pair of spaced prongs comprising an insulating block terminating in flat portions at one end thereof and a curved

portion on the opposite end thereof and provided with a pair of tortuous channels therein extending from said flat portions towards said curved portion and terminating in advance of said last mentioned portion in enlargements of said channels, contact members conforming to said channels and to said flat portions disposed in said channels and terminating in spring jaws at said enlargements, means for anchoring said contact members to said insulating block at said



flat portions in the direction substantially along the principal axes of said contact members to counteract the thrust exerted upon the latter occasioned by the insertions of the prongs into said spring jaws, a cover plate on one side of the insulating block and passages on the other side of said insulating block extending from the curved portion thereof to said enlargements for guiding the prongs from the accessible curved portion of the socket to said spring jaws therein.

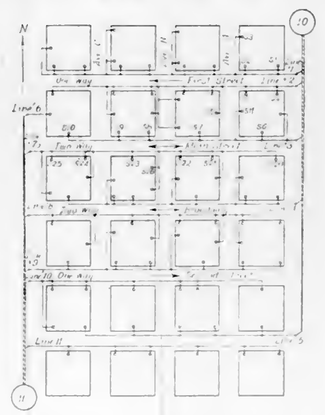
2,277,649

TAXICAB CALL SYSTEM

Bernard D. Willis, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 18, 1940, Serial No. 361,675

21 Claims. (Cl. 179—2)



1. In a telephone system, a line, a plurality of call stations associated with said line, each of said stations including a transmitter and a receiver and a call relay operative to connect the associated transmitter and receiver to said line, means provided at one of said call stations for rendering the receiver at said one station operative to reproduce signal currents transmitted over said line when the associated control relay is released, and a master station including signal control means operative in response to operation of any one of said relays.

2,277,650

PROCESS OF PRODUCING N-BUTYLENE

Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, and Adolf Cantzler and Hans Krekeler, Mannheim, Germany, assignors, by mesne assignments to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 18, 1940, Serial No. 314,566. In Germany January 10, 1939

4 Claims. (Cl. 260—683)

4. A process for the production of n-butylene which comprises exposing to temperatures exceeding 400° C. but not substantially exceeding 700° C. a gas selected from the group consisting of vaporized tertiary butyl chloride and mixtures of iso-butylene and hydrogen chloride in the presence of a solid catalyst promoting the splitting off of hydrogen chloride cooling the treated material to a temperature at which iso-butylene and hydrogen chloride form tertiary butyl chloride, and recovering n-butylene from tertiary butyl chloride and hydrogen chloride.

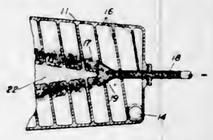
2,277,651

AIR ELIMINATOR FOR SURFACE CONDENSERS

Maurice G. Steele, Havre de Grace, Md.

Application March 30, 1939, Serial No. 265,038

2 Claims. (Cl. 183—2.5)



1. An air eliminator for surface condensers comprising a frustro-conical casing having a water inlet at one end thereof and a water outlet and an air outlet at its other end, said air outlet being disposed coaxially of said casing and said water outlet being offset radially therefrom; a helical vane disposed within said casing in contact with the walls thereof and having uniformly spaced convolutions of decreasing diameter from the inlet end toward the outlet end of said casing for causing the water passing through said casing to whirl with accelerating angular velocity from the inlet end toward the outlet end of said casing, the denser water thus tending to accumulate adjacent to the outer wall of said casing for escape through the radially offset water outlet and the less dense water containing air in suspension to accumulate in the form of a central vortex for escape through said coaxial air outlet, and a conical core extending coaxially through said casing and cooperating with said vane to form a passageway for the water entering said casing.

2,277,652

VOLTAGE REGULATOR

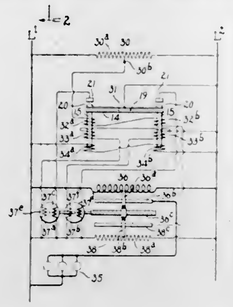
Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 20, 1939, Serial No. 285,533

8 Claims. (Cl. 171—119)

1. In combination with a controller for varying an operating condition of a circuit, motor means having windings for operating said controller in opposite directions to thereby vary said operating condition, a potentiometer adapted to supply an output voltage varying in accordance

with said operating condition, a sender potentiometer adapted to have its output voltage varied selectively, a relay having an energizing winding connected between the output terminals of said potentiometers and adapted to energize



said motor windings in accordance with the current flowing in said energizing winding, a winding inductively related to said motor windings and means responsive to the voltages induced in said last named windings to vary the effect of said energizing winding.

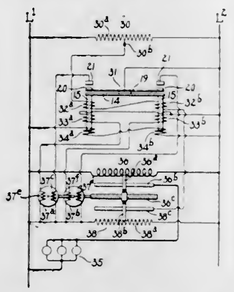
2,277,653

ELECTROMAGNETIC RELAY

Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Original application July 20, 1939, Serial No. 285,533. Divided and this application May 23, 1940, Serial No. 336,707

4 Claims. (Cl. 172—239)



1. A polarized relay for controlling a pair of circuits comprising, a center pivoted lever, means to bias said lever to a neutral position, contacts for selectively energizing one of a pair of circuits in response to departure of said lever from said neutral position in opposite directions, a magnetizable core attached to each end of said lever, auxiliary windings adapted when energized to produce equal fluxes in said core resulting in balanced torques on said lever, control windings adapted when energized to cause a current flowing therein to increase one and to simultaneously decrease the other of said fluxes by substantially equal amounts, and compound windings respectively connected in a circuit energized by the current flowing in the respective circuit and adapted to cause said current to induce a supplemental flux in the respective core which is a function of the current of said respective circuit.

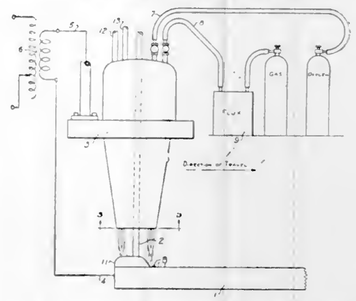
2,277,654

METALLIC BONDING PROCESS

Menahem Merlub-Sobel and Charles A. Medsker, Cleveland Heights, Ohio, assignors to William L. Ulmer

Continuation of application Serial No. 228,368, September 3, 1938. This application May 2, 1940, Serial No. 332,985

3 Claims. (Cl. 29—189)



1. In a method of cladding metals, the steps which consist in providing a backing metal and a metal to be applied thereto, providing a combustible gas flame having a vaporized flux entrained therein, directing said flame and flux against the surface of the backing metal while moving said flame and backing metal relatively to each other, whereby to progressively clean by increments substantially the entire surface of said backing metal of all impurities which would interfere with the creation of a sound bond between the backing and applied metals, and flowing said metal to be applied onto said backing metal in such manner as to cause said applied metal to cover each increment of said cleaned surface after such increment has been cleaned.

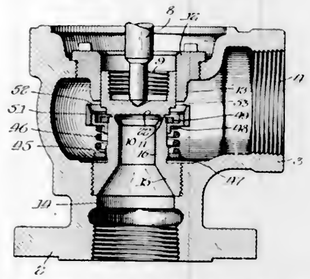
2,277,655

LARGE CAPACITY SAFETY VALVE

Robert E. Falls, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Original application January 5, 1939, Serial No. 249,358, now Patent No. 2,261,461, dated November 4, 1941. Divided and this application February 27, 1941, Serial No. 380,806

3 Claims. (Cl. 137—53)



2. In a safety valve of the character described comprising a casing having an inlet and an outlet, a valve seat for the said inlet and a closure member for the said seat, a resiliently mounted, axially movable flow regulator sleeve surrounding the said seat, the said sleeve and the said casing providing therebetween an annular flow passage of variable area by axial movement of the said sleeve induced by the pressure of the flowing fluid, whereby back pressure within the valve is prevented from exceeding the critical pressure of the fluid to be discharged therefrom.

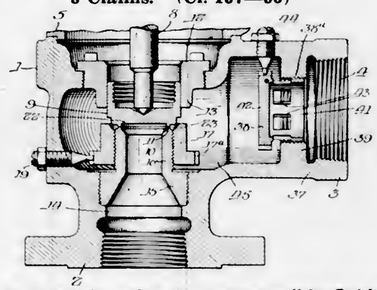
2,277,656

LARGE CAPACITY SAFETY VALVE

Robert E. Falls, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Original application January 5, 1939, Serial No. 249,358, now Patent No. 2,261,461, dated November 4, 1941. Divided and this application February 27, 1941, Serial No. 380,807

3 Claims. (Cl. 137—53)



2. In a safety valve for compressible fluids, a casing having an inlet and a side outlet, the said inlet having a seat, a closure member cooperating with said seat, an axially movable annular member cooperating with said seat and said closure member and forming an annular flow passage between said seat, closure member, and annular member, means for restricting the flow of fluid through the said outlet comprising a stationary member transversely positioned therein to restrict the flow therethrough, whereby the back pressure thereby created functions to increase the lift of the said closure member.

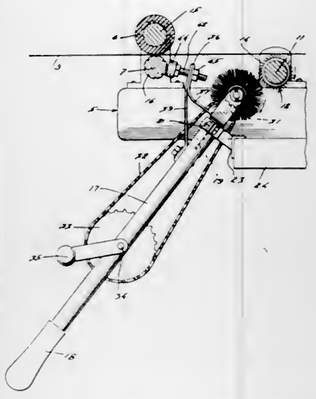
2,277,657

PORCUPINE CLEANING BRUSH

Frank Pinnelli, South Orange, N. J.

Application March 10, 1941, Serial No. 382,654

2 Claims. (Cl. 15—21)

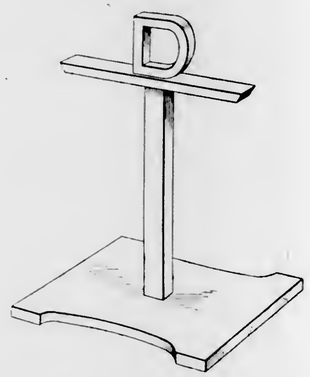


1. A cleaning device for the porcupine of a textile drawing machine comprising a shank, a brush mounting having a brush rotatably journalled thereon, means for adjustably securing the brush mounting at one end of the shank, means for rotating the brush, a supporting bracket for the shank adapted for engaging a part of the machine for removably supporting the brush in engagement with the porcupine, a bracket carried by the shank, and adjustable means on the bracket for engaging another part of the machine for clamping the shank thereto upon a predetermined pressure exerted on the shank.

DESIGNS

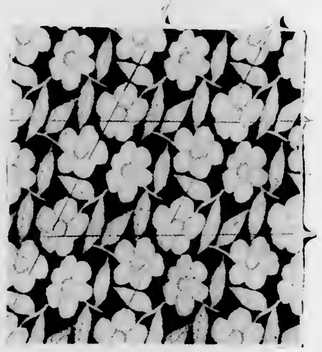
MARCH 24, 1942

131,672
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Stanley J. Beebe, Norfolk, Va.
Application December 31, 1941, Serial No. 104,946
Term of patent 7 years



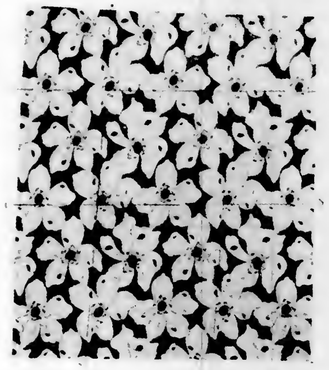
The ornamental design for a display stand or similar article, substantially as shown.

131,673
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,902
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,674
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,903
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

131,675
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,904
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

131,676
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,907
Term of patent 3½ years



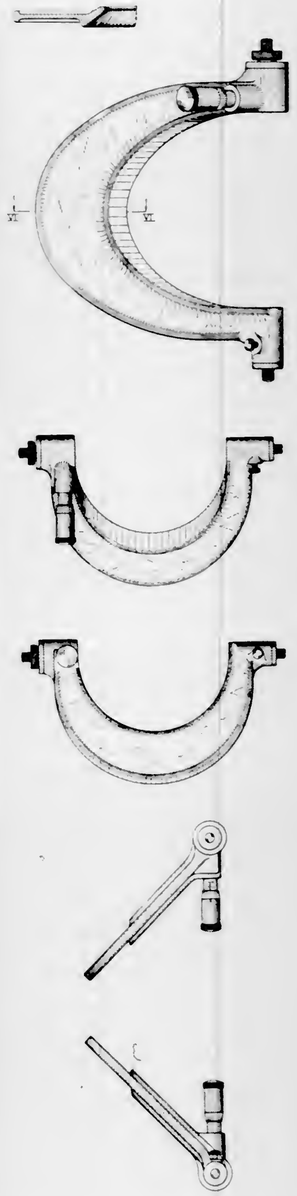
The ornamental design for a textile fabric, substantially as shown and described.

131,677
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,908
Term of patent 3½ years



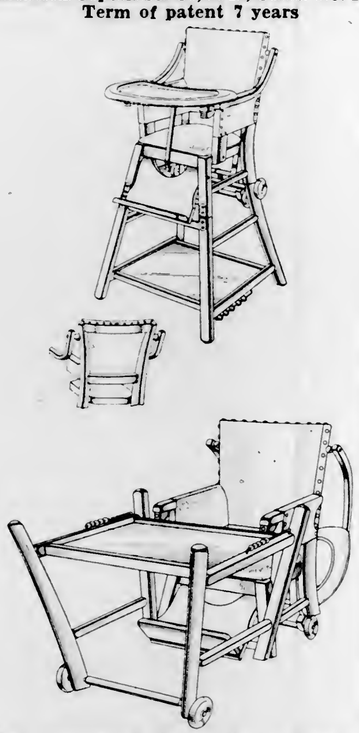
The ornamental design for a textile fabric, substantially as shown and described.

131,678
DESIGN FOR AN INSIDE MICROMETER
Adolph H. Davis, Cincinnati, Ohio
Application November 7, 1941, Serial No. 104,088
Term of patent 14 years



The ornamental design for an inside micrometer, substantially as shown.

131,679
DESIGN FOR A BABY'S HIGH CHAIR
Bernard Greenbaum, New York, N. Y.
Application September 30, 1941, Serial No. 103,558
Term of patent 7 years



The ornamental design for a baby's high chair, substantially as shown.

131,680
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Lois Lehnig, Ridgewood, N. J., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application January 30, 1942, Serial No. 105,530
Term of patent 3½ years



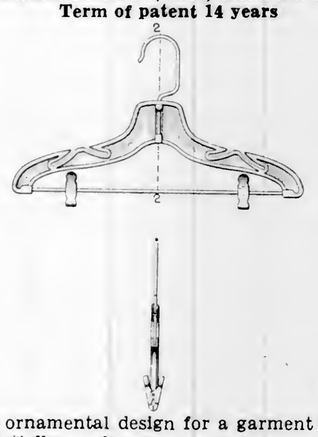
The ornamental design for a textile fabric or similar article, as shown and described.

131,681
DESIGN FOR A BRACELET
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 31, 1941, Serial No. 104,956
Term of patent 3½ years



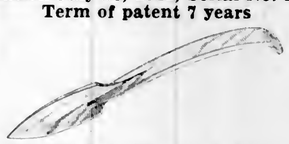
The ornamental design for a bracket, substantially as shown.

131,682
DESIGN FOR A GARMENT HANGER
John Bolten, Andover, Mass., and Henry Spitz, Great Neck, N. Y.
Application October 8, 1941, Serial No. 103,680
Term of patent 14 years



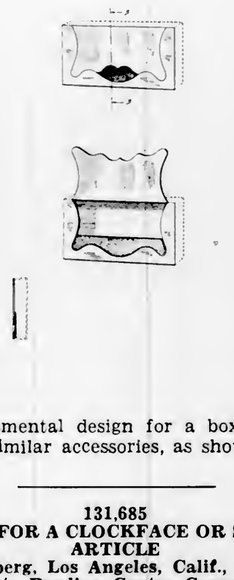
The ornamental design for a garment hanger, substantially as shown.

131,683
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Alexis de Sakhnoffsky, New York, N. Y.
Application July 26, 1941, Serial No. 102,501
Term of patent 7 years



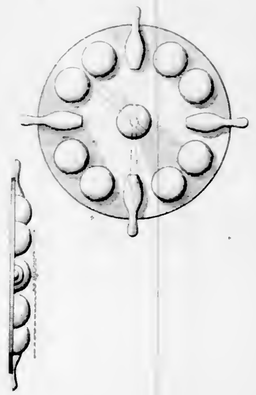
The ornamental design for a knife or other article of flatware, substantially as shown and described.

131,684
DESIGN FOR A BOX FOR PAPER TISSUES OR SIMILAR ACCESSORIES
Maxwell R. Feinberg and Howard V. Rosenblum, New York, N. Y.
Application May 10, 1941, Serial No. 100,890
Term of patent 3½ years



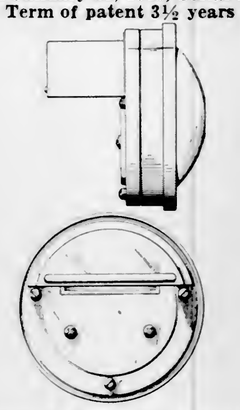
The ornamental design for a box for paper tissues or similar accessories, as shown and described.

131,685
DESIGN FOR A CLOCKFACE OR SIMILAR ARTICLE
Louis Goldberg, Los Angeles, Calif., assignor to South Gate Bowling Centre Corporation, Los Angeles, Calif., a corporation of California
Application August 11, 1941, Serial No. 102,785
Term of patent 3½ years



The ornamental design for a clockface or similar article, as shown and described.

131,686
DESIGN FOR A MILITARY VEHICLE HEADLAMP UNIT
William B. Johnson, United States Army
Application January 23, 1942, Serial No. 105,390
Term of patent 3½ years



The ornamental design for a military vehicle headlamp unit, as shown.

131,687
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David E. Levin, New York, N. Y.
Application January 14, 1942, Serial No. 105,197
Term of patent 3½ years



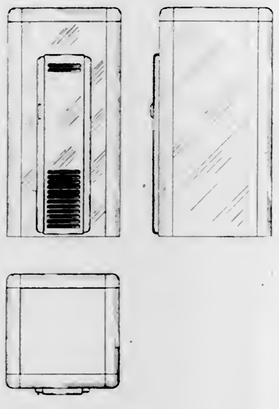
The ornamental design for a shoe or similar article, substantially as shown.

131,688
DESIGN FOR A PIN OR SIMILAR ARTICLE
Florence Nathan, New York, N. Y., assignor to Eisenberg Jewelry, Inc., Chicago, Ill., a corporation of Illinois
Application January 12, 1942, Serial No. 105,119
Term of patent 3½ years



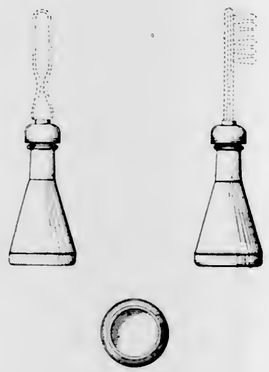
The ornamental design for a pin or similar article, substantially as shown.

131,689
DESIGN FOR A CASING FOR A FURNACE OR THE LIKE
Walter C. Schneider, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 9, 1942, Serial No. 105,080
Term of patent 7 years



The ornamental design for a casing for a furnace or the like, substantially as shown and described.

131,690
DESIGN FOR A FOUNTAIN TOOTHBRUSH
Ivar E. Siqveland, St. Paul, Minn.
Application December 19, 1940, Serial No. 97,459
Term of patent 7 years



The ornamental design for a fountain tooth brush, as shown.

131,691
DESIGN FOR AN ELECTRIC SWITCH
Daniel G. Spotts, Batavia, Ill., assignor to William C. Furnas, doing business as Furnas Electric Company, Batavia, Ill.
Application May 31, 1941, Serial No. 101,254
Term of patent 14 years



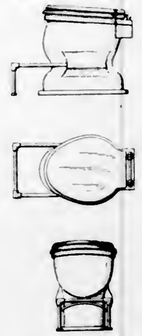
The ornamental design for an electric switch, substantially as shown.

131,692
DESIGN FOR A BOTTLE
Allen D. Strahm, Tulsa, Okla.
Application July 5, 1941, Serial No. 101,926
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

131,693
DESIGN FOR A COMBINED WATER CLOSET BOWL AND FOOT REST
Perry F. Stromblad, Clairton, Pa.
Application October 27, 1941, Serial No. 103,910
Term of patent 7 years



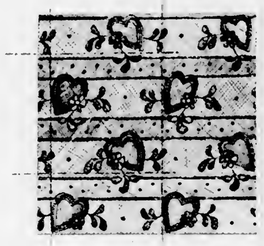
The ornamental design for a combined water closet bowl and foot rest, as shown.

131,694
DESIGN FOR A COIN BANK
Clarence R. Sutherland, Dayton, Ohio
Application July 16, 1941, Serial No. 102,183
Term of patent 7 years



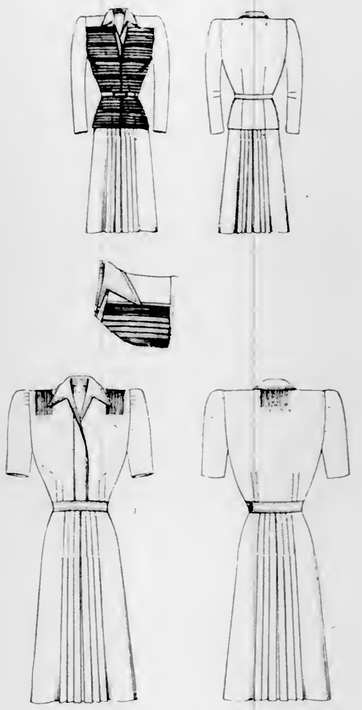
The ornamental design for a coin bank, substantially as shown.

131,695
DESIGN FOR A LACE FABRIC
Joseph D. Wiener, Cedarhurst, N. Y.
Application January 26, 1942, Serial No. 105,441
Term of patent 3½ years



The ornamental design for a lace fabric, substantially as shown and described.

131,696
DESIGN FOR A DRESS ENSEMBLE
Sabina De Pasquale, New York, N. Y.
Application February 2, 1942, Serial No. 105,550
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,697
DESIGN FOR A DRESS ENSEMBLE
Sadie Elmo, New York, N. Y.
Application February 9, 1942, Serial No. 105,715
Term of patent 3½ years



131,697—Continued



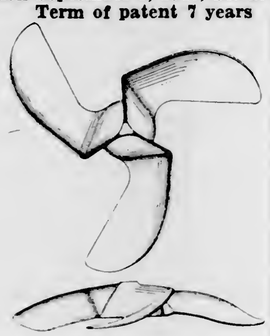
The ornamental design for a dress ensemble, substantially as shown.

131,698
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application February 10, 1942, Serial No. 105,731
Term of patent 3½ years

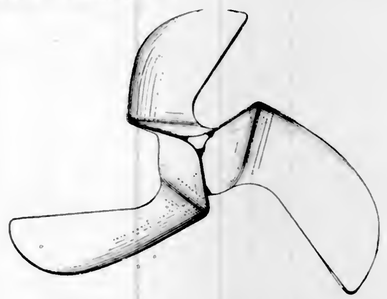


The ornamental design for a dress, substantially as shown.

131,699
DESIGN FOR AN AIR CIRCULATING PROPELLER
James M. Funk, Ottawa, Ill., assignor to Reynolds Electric Company, Chicago, Ill., a corporation of Illinois
Application September 3, 1940, Serial No. 94,767
Term of patent 7 years

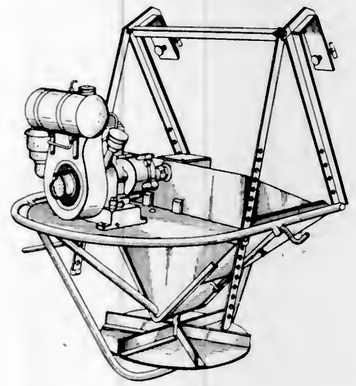


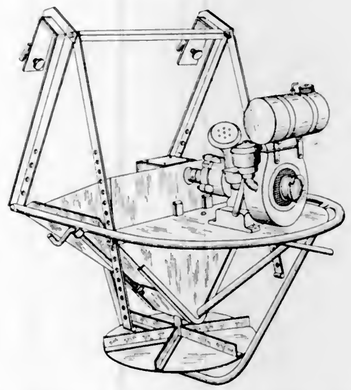
131,699—Continued



The ornamental design for an air circulating propeller, substantially as shown.

131,700
DESIGN FOR A MATERIAL DISTRIBUTING DEVICE
Roy Gaddis, Cedar Rapids, Iowa, assignor to Milver C. Erusha, Walford, Iowa
Application August 21, 1940, Serial No. 94,535
Term of patent 7 years





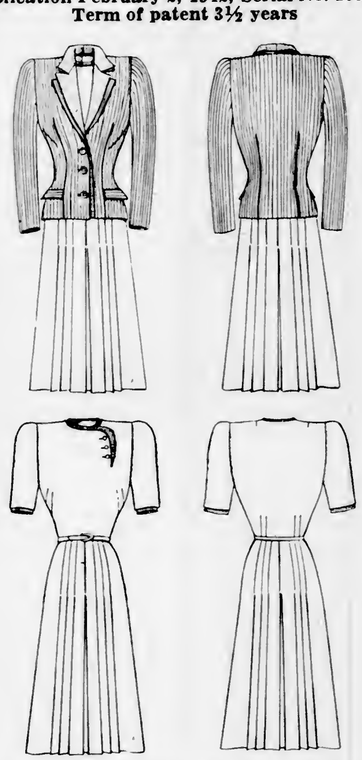
The ornamental design for a material distributing device as shown.

131,701
DESIGN FOR A DRESS
Lillian Helms, New York, N. Y.
Application February 9, 1942, Serial No. 105,716
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,702
DESIGN FOR A DRESS ENSEMBLE
Edward L. Horn, New York, N. Y.
Application February 2, 1942, Serial No. 105,557
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,703
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application February 10, 1942, Serial No. 105,729
Term of patent 3½ years



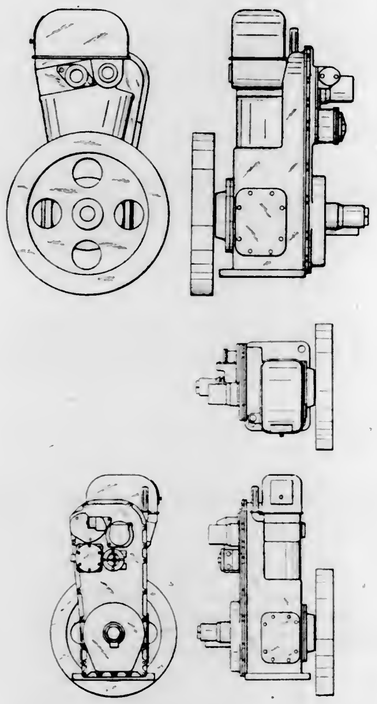
The ornamental design for a dress, substantially as shown.

131,704
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application February 10, 1942, Serial No. 105,730
Term of patent 3½ years



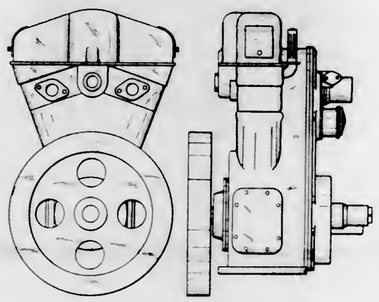
The ornamental design for a dress, substantially as shown.

131,705
DESIGN FOR A SINGLE CYLINDER ENGINE
Henry Schreck, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application July 29, 1940, Serial No. 93,996
Term of patent 14 years

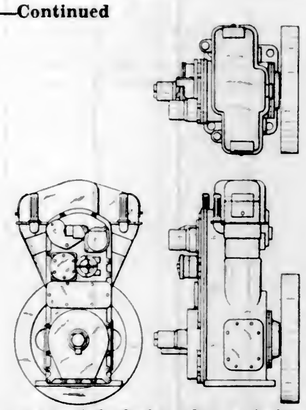


The ornamental design for a single cylinder engine, substantially as shown.

131,706
DESIGN FOR A TWIN CYLINDER V-TYPE ENGINE
Henry Schreck, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application July 29, 1940, Serial No. 93,997
Term of patent 14 years

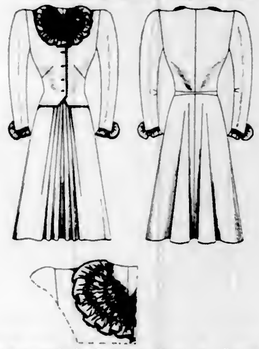


131,706—Continued



The ornamental design for a twin cylinder V-type engine, substantially as shown.

131,707
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application February 2, 1942, Serial No. 105,548
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,708
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application February 2, 1942, Serial No. 105,555
Term of patent 3½ years



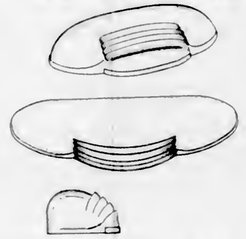
The ornamental design for a dress, substantially as shown.

131,709
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application February 2, 1942, Serial No. 105,556
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,710
DESIGN FOR A LOUVER LAMP SHADE
Oliver H. Williams, Chicago, Ill.
Application November 18, 1940, Serial No. 96,661
Term of patent 7 years



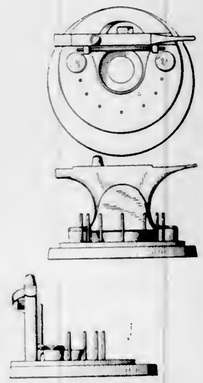
The ornamental design for a louver lamp shade, as shown.

131,711
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,558
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,712
DESIGN FOR A SPOOL STAND
Shellie H. Bates, Plantersville, Ala., assignor of one-fourth to J. A. Elam, Plantersville, Ala.
Application January 2, 1942, Serial No. 104,977
Term of patent 7 years



The ornamental design for a spool stand, as shown.

131,713
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application February 9, 1942, Serial No. 105,710
Term of patent 3½ years



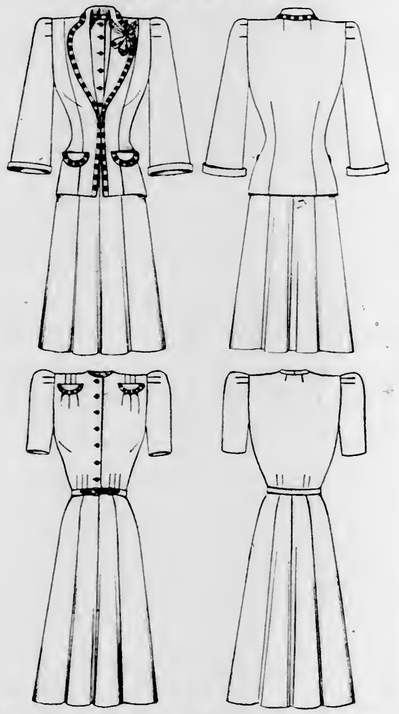
The ornamental design for a dress, substantially as shown.

131,714
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application February 9, 1942, Serial No. 105,712
Term of patent 3½ years



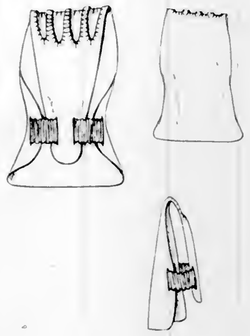
The ornamental design for a dress, substantially as shown.

131,715
DESIGN FOR A DRESS ENSEMBLE
Sadie Elmo, New York, N. Y.
Application February 9, 1942, Serial No. 105,714
Term of patent 3½ years



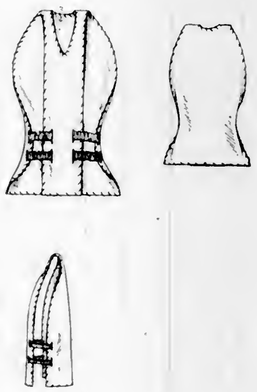
The ornamental design for a dress ensemble, substantially as shown.

131,716
DESIGN FOR A MITT
Mathilda Hacker, New York, N. Y.
Application January 12, 1942, Serial No. 105,158
Term of patent 3½ years



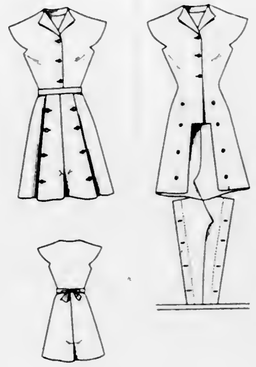
The ornamental design for a mitt, substantially as shown.

131,717
DESIGN FOR A MITT
Mathilda Hacker, New York, N. Y.
Application January 12, 1942, Serial No. 105,159
Term of patent 3½ years



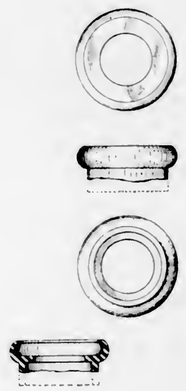
The ornamental design for a mitt, substantially as shown.

131,718
DESIGN FOR A PLAYSUIT
Rose Jacobson, New York, N. Y.
Application January 19, 1942, Serial No. 105,292
Term of patent 3½ years



The ornamental design for a playsuit, substantially as shown and described.

131,719
DESIGN FOR A FLEXIBLE EAR CUSHION FOR ATTACHMENT TO TELEPHONE RECEIVERS
Mary N. Kesh, Detroit, Mich.
Application July 25, 1940, Serial No. 93,931
Term of patent 14 years



The ornamental design for a flexible ear cushion for attachment to telephone receivers, as shown and described.

131,720
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,559
Term of patent 3½ years



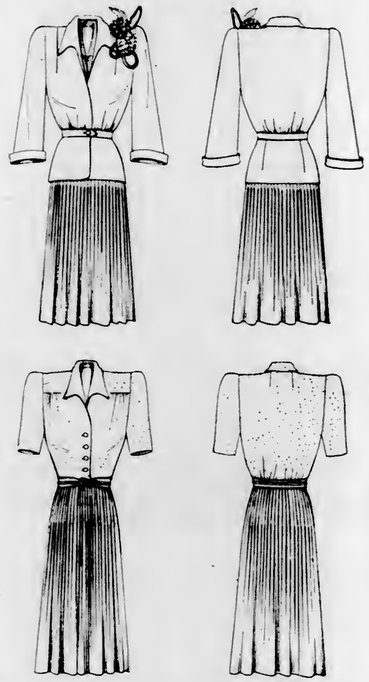
The ornamental design for a dress, substantially as shown.

131,721
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,560
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,722
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,561
Term of patent 3½ years



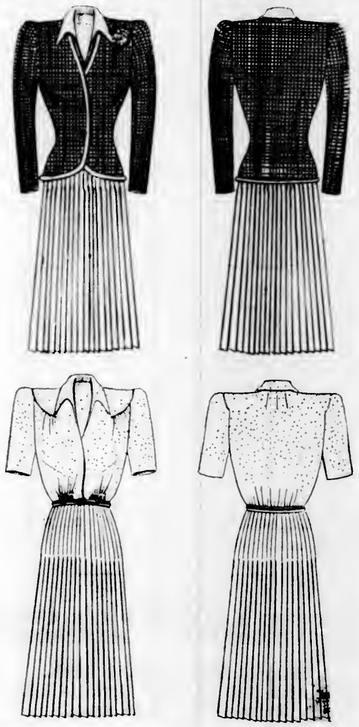
The ornamental design for a dress ensemble, substantially as shown.

131,723
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,562
Term of patent 3½ years



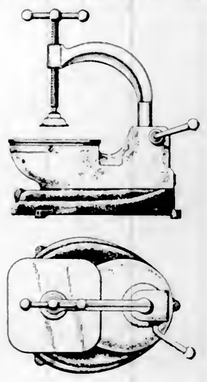
The ornamental design for a dress, substantially as shown.

131,724
DESIGN FOR A DRESS ENSEMBLE
Samuel Zahn, New York, N. Y.
Application February 2, 1942, Serial No. 105,563
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

131,725
DESIGN FOR A VULCANIZER
Charles E. Bowes, Indianapolis, Ind., assignor to Bowes Seal Fast Corporation, Indianapolis, Ind., a corporation of Indiana
Application November 6, 1941, Serial No. 104,068
Term of patent 14 years



131,725—Continued



The ornamental design for a vulcanizer, substantially as shown.

131,726
DESIGN FOR A DRESS
Sadie Elmo, New York, N. Y.
Application February 9, 1942, Serial No. 105,713
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,727
DESIGN FOR A DRESS ENSEMBLE
Fred Greenberg, New York, N. Y.
Application February 9, 1942, Serial No. 105,709
Term of patent 3½ years



131,727—Continued



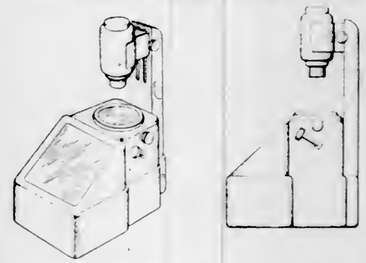
The ornamental design for a dress ensemble, substantially as shown.

131,728
DESIGN FOR A DRESS
Joseph Liotti, New York, N. Y.
Application February 4, 1942, Serial No. 105,621
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,729
DESIGN FOR A PROJECTION APPARATUS
William F. Peck, Snyder, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application August 14, 1941, Serial No. 102,835
Term of patent 14 years



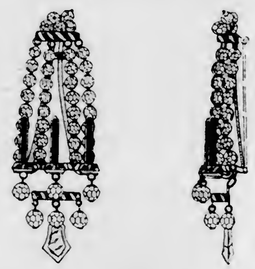
The ornamental design for a projection apparatus, substantially as shown and described.

131,730
DESIGN FOR A DRESS
Henry Schultz, New York, N. Y.
Application February 6, 1942, Serial No. 105,656
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,731
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Joanne Adler, New York, N. Y.
Application January 16, 1942, Serial No. 105,230
Term of patent 3½ years



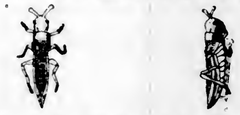
The ornamental design for a brooch or similar article, substantially as shown.

131,732
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,253
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,733
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,254
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,734
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,255
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,735
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,257
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,736
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,286
Term of patent 3½ years



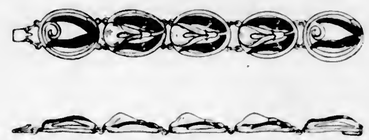
The ornamental design for a pin clip, substantially as shown.

131,737
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,289
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,738
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,356
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,739
DESIGN FOR A NECKLACE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,357
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

131,740
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,476
Term of patent 3½ years



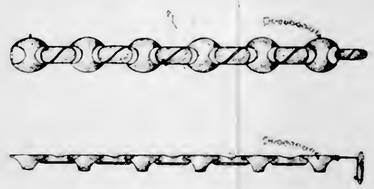
The ornamental design for a bracelet, substantially as shown.

131,741
DESIGN FOR A NECKLACE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,477
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

131,742
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,575
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,743
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,576
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,744
DESIGN FOR A NECKLACE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,577
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

131,745
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,586
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

131,746
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,315
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,747
DESIGN FOR AN EARRING
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,684
Term of patent 3½ years



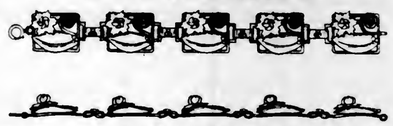
The ornamental design for an earring, substantially as shown.

131,748
DESIGN FOR AN EARRING
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,685
Term of patent 3½ years



The ornamental design for an earring, substantially as shown.

131,749
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 31, 1942, Serial No. 105,546
Term of patent 3½ years



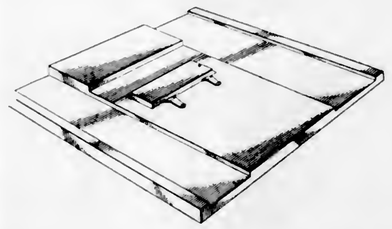
The ornamental design for a bracelet or similar article, substantially as shown.

131,750
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 6, 1942, Serial No. 105,670
Term of patent 3½ years



The ornamental design for a bracelet or similar article, substantially as shown.

131,751
DESIGN FOR A DESK BOARD
Eugene M. Hoyne, Chicago, Ill.
Application October 20, 1941, Serial No 103,822
Term of patent 7 years



The ornamental design for a desk board, substantially as shown.

131,752
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,250
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,753
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,251
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,754
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,252
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,755
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,256
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,756
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,258
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,757
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 17, 1942, Serial No. 105,259
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,758
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,281
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,759
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,282
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,760
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,283
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,761
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,285
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,762
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,288
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,763
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,358
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,764
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,360
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,765
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,361
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,766
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,362
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,767
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,363
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,768
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,364
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,769
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,365
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,770
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,478
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,771
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,479
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,772
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,481
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,773
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,482
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,774
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,483
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,775
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,484
Term of patent 3½ years



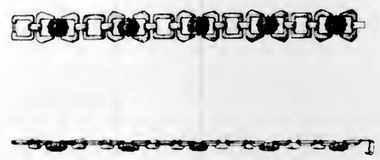
The ornamental design for a brooch or similar article, substantially as shown.

131,776
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,485
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,777
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,582
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,778
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,583
Term of patent 3½ years



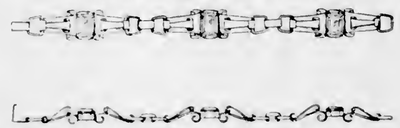
The ornamental design for a bracelet, substantially as shown.

131,779
DESIGN FOR A NECKLACE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,584
Term of patent 3½ years



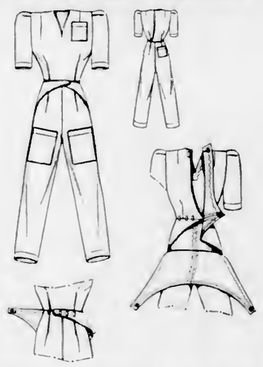
The ornamental design for a necklace, substantially as shown.

131,780
DESIGN FOR A BRACELET
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,587
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

131,781
DESIGN FOR A WORK SUIT
Ellen Hewitt Lachaud, New York, N. Y.
Application January 12, 1942, Serial No. 105,161
Term of patent 3½ years



The ornamental design for a work suit, substantially as shown.

131,782
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,316
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,783
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,317
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,784
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,318
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,785
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,319
Term of patent 3½ years



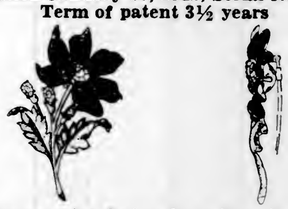
The ornamental design for a brooch or similar article, substantially as shown.

131,786
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,321
Term of patent 3½ years



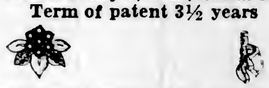
The ornamental design for a brooch or similar article, substantially as shown.

131,787
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. 105,322
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,788
DESIGN FOR AN EARRING
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,686
Term of patent 3½ years



The ornamental design for an earring, substantially as shown.

THE
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Vol. 536—No. 5 TUESDAY, MARCH 31, 1942 Price—$16 per year

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March 31, 1942

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T. M. Renewals	47	
Reissues	1	No. 22,056
Patents	749	No. 2,277,658 to No. 2,278,406, inclusive.
Designs	109	No. 131,789 to No. 131,897, inclusive.
Total	1,082	

Notice

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., March 18, 1942.*

Itala Imported Food Products Co., Inc., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Udo Taormina Corp., 107 Humbolt St., Brooklyn, N. Y., to effect the cancellation of trade-mark registration of Cafiero & Mencacci, No. 193,009, dated December 16, 1924. The assignment records of this Office show a transfer of title to this registration to Itala Imported Food Products Co., Inc., Brooklyn, N. Y., who has been substituted for said Cafiero & Mencacci to defend the registration concerned. The notice of such proceeding sent by registered mail to Itala Imported Food Products Co., Inc., at the said address, having been returned by the post office as undeliverable, notice is hereby given that unless Itala Imported Food Products Co., Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

HENRY VAN ARSDALE,
Assistant Commissioner.

Notice

Notice is hereby given that by Order of His Excellency the Governor General in Council, on the recommendation of the Secretary of State, the Rules and Regulations under The Patent Act, 1935, made by Order in Council P. C. 3038, dated September 26th, 1935, have been amended by Order in Council P. C. 812, dated February 3rd, 1942, by revoking Rules 13, 31 and 33 and substituting the following rules therefor:—

"13. The oath of an inventor shall show that it has been sworn not earlier than thirty days before the date of the filing of the application for patent to which it relates, but, during the War in which Canada is presently engaged and for such period thereafter until His Excellency the Governor General in Council may otherwise order the said period of thirty days shall be extended to three months in respect of the oaths of inventors resident in any of His Majesty's dominions outside Canada, and in respect of the oaths of inventors resident in the United States of America.

"31. Each application shall be treated as entitled to priority as of the date of filing thereof, unless the applicant requests the recognition of an earlier priority date. In support of such request the applicant shall furnish to the Office (*a*) a certificate from the Patent Office in which such application is filed showing the actual date of its filing therein and (*b*) evidence on oath establishing to the satisfaction of the Commissioner that such application was the first application made for a patent on the invention in question filed by the applicant or any one claiming under him in any country specified in Section 27 of the Patent Act, 1935.

"The Commissioner may require the applicant to furnish a duly certified copy of the previous application upon which he relies.

"If the certificate or the previous application relied upon, if required as aforesaid, is not in either the English or French language, a duly certified translation into either English or French shall be filed.

"33. An application shall not be entitled to any exceptional priority based upon a previous application or previous applications made in any country outside Canada which do not disclose the whole of the invention as defined in at least one of the claims presented in Canada."

His Excellency in Council, on the same recommendation, and under the authority of the Patent Act, 1935, and the War Measures Act, is pleased to authorize and doth hereby authorize the Commissioner of Patents to deal with applications presently pending in the Patent Office as if the above new Rules 13, 31 and 33 had come into effect on the first day of January, 1940.

J. T. MITCHELL,
Commissioner of Patents.

Condition of Applications Under Examination at Close of Business March 14, 1942

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,245; Trade-Mark Division, 1,137. Oldest new case, Apr. 23, 1941; oldest amended, Apr. 25, 1941.)
(The dates given are 1941 except where † indicates 1942)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting action	Oldest amended application awaiting action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 3	July 3	751
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 4	Oct. 1	714
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 13	Nov. 26	591
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 8	Oct. 7	531
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 20	Oct. 1	458
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 7	Sept. 4	1081
5725	7. JARBOE, C. G., Optics; Photography	Aug. 29	Aug. 15	1027
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 25	Aug. 30	809
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 20	Sept. 24	592
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 14	July 18	922
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 7	Oct. 28	409
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Oct. 1	Sept. 6	585
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 25	July 9	642
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 12	Nov. 13	573
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 23	Aug. 12	1178
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 7	Oct. 7	513
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 2	July 9	954
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 20	Sept. 27	597
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 24	Aug. 6	682
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 2	Sept. 17	395
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 8	Sept. 5	406
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 20	May 15	1750
7624	23. BUTTNER, W. J., Registers (part)	May 24	Apr. 25	250
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 21	Sept. 5	871
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 4	Oct. 15	564
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 18	Oct. 13	453
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 10	July 28	610
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Sept. 6	Aug. 7	385
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 7	Aug. 9	703
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 7	Nov. 21	402
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 18	Sept. 18	1547
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 10	July 16	980
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	July 10	July 9	882
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Aug. 1	Oct. 16	405
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	July 15	July 12	968
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 23	Sept. 23	653
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 17	Sept. 10	613
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 4	Aug. 5	703
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 6	Oct. 27	541
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 8	Aug. 8	1588
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Sept. 23	Sept. 19	573
5882	42. CUTTING, H. O., Electric Signaling	Oct. 15	Oct. 10	413
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 29	Sept. 2	772
4087 B	44. HARVEY, L. P., Refrigeration	Sept. 9	Sept. 17	371
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 17	Dec. 19	369
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 26	Aug. 26	777
6082	47. KANOF, W. J., Clutches; Brakes	Oct. 7	Oct. 8	386
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 15	Aug. 15	787
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 8	Sept. 2	679
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 9	Aug. 20	1539
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 10	Dec. 11	325
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 18	Oct. 25	445
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 16	Apr. 28	568
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 10	Oct. 28	406
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 13	Oct. 13	315
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 15	July 21	1399
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Nov. 12	Nov. 22	323
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 18	Nov. 8	421
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 8	July 15	1220
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 18	Sept. 27	348
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 3	Sept. 13	713
5621	62. PUGH, E. C., Games; Geometrical instruments	Apr. 23	Aug. 25	719
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 9	1402
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 3	Sept. 8	1622
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 31	Sept. 19	361
2099 B	Trade Marks: F. A. RICHMOND	†Jan. 28	†Feb. 14	1137
2605	Designs: H. H. KALUPY	†Jan. 15	†Jan. 22	714

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WINCHESTER REPEATING ARMS COMPANY (WESTERN CARTRIDGE COMPANY, ASSIGNEE, SUBSTITUTED)
v.
WINCHARGER CORPORATION

No. 4,528. Decided December 29, 1941

Petition for rehearing denied February 20, 1942

[124 F.(2d) 189]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Dry-cell batteries *Held* goods of not the same descriptive properties as wind-driven electric generating equipment.

2. SAME—CONFUSING SIMILARITY.

"We cannot hold that the sale by appellee of charging apparatus consisting of propeller, generator, tower, etc., under the trade-mark 'Wincharger' or 'Hi-Way Wincharger' would be likely to confuse the purchasing public as to its origin or the origin of the dry cell batteries sold by appellant under the trade-mark 'Winchester.'"

APPEAL from Patent Office. Affirmed.

Messrs. Hervey, Barber & McKee (*Mr. Morrison T. Hankins* and *Mr. Charles R. Allen* of counsel) for Winchester Repeating Arms Co. (Western Cartridge Co., Assignee, Substituted).

Mr. Irving Herriott and *Mr. Charles M. Thomas* for Wincharger Corporation.

BLAND, *J.:*

This controversy involves the petition of the Winchester Repeating Arms Company (Western Cartridge Company, Assignee, Substituted), hereinafter called the appellant, to cancel, under section 13 of the Trade-Mark Act of February 20, 1905, as amended, (15 U. S. C. A. 931), two trade-mark registrations granted to the Wincharger Corporation, hereinafter called the appellee.

The involved trade-mark registrations are No. 346,716, of June 8, 1937, for the mark "Wincharger" for "Prime-Mover-Driven Electric Generator Combinations Including Wind-Driven and Engine-Driven Electric Generator Combinations" and No. 347,896 of July 13, 1937, for the mark "Hi-Way Wincharger" for identical goods.

In the petition of appellant to cancel the involved marks, a number of registrations are listed, but the one primarily relied upon is No. 151,645, of February 7, 1922, for the mark "Winchester" for "flash lights and electric batteries."

The Examiner of Interferences denied the petition for cancellation, holding that the goods of the respective parties did not possess the same descriptive properties within the meaning of the aforesaid trade-mark act. The Examiner further stated:

It also seems to the Examiner that there are material differences in the marks "Hi-Way Wincharger" and "Wincharger" used by the respondent, and the notation "Winchester" here relied upon by the petitioner. Even if the goods to which these marks are respectively affixed could be regarded as possessing the same descriptive properties it is believed that the differences in the specific characteristics of such goods and the differences contained in the marks when considered together are sufficient to obviate any reasonable likelihood of confusion in trade. • • •

Upon appeal, the Commissioner of Patents affirmed the decision of the Examiner of Interferences denying the petition for cancellation. The Commissioner stated that the ruling of the Examiner of Interferences that the goods of the respective parties were of different descriptive properties was the only question that needed to be determined and held, as did the Examiner, that

"the goods of the parties with which their trade-marks are respectively used are not merchandise of the same descriptive properties within the meaning of the statute • • •."

Having so held, the Commissioner stated that the question of the similarity of the marks became immaterial.

It appears from the record that the appellant, which since the year 1865 has manufactured and sold firearms and ammunition under its "Winchester" trade-mark, expanded its business after the first World War to the point where it now sells, under said mark, some 5,000 different items. About 1920 it began to use its said mark on flashlights and flashlight batteries, and in 1923 extended the use of its mark to include batteries specifically designed for radio use. All batteries on which appellant's said mark "Winchester" is used are of the dry-cell type, that is, incapable of being recharged when their electrical charge has been depleted.

The record further shows that the appellee and its predecessor, since 1927, have been engaged in the business of constructing and selling wind-driven electric generating equipment; that in April 1936 appellee began applying its said trade-mark on batteries which it sold; that the batteries sold by appellee are of the wet-cell rechargeable type; and that in 1935 appellee became a wholly-owned subsidiary of the Zenith Radio Corporation.

It should be noted that there is no issue here as to the cancellation of appellee's trade-mark as applied to a battery, per se. In a companion case, the instant appellant opposed the registration of appellee's "Wincharger" mark as applied to wet-cell storage batteries. See *Wincharger Corporation* v. *Winchester Repeating Arms Co.* (*Western Cartridge Co., Assignee, Substituted*), 29 C. C. P. A. (Patents) —, 124 F.(2d) 191 (patent appeal No. 4,527).

The record shows that the wind-driven electric generating equipment manufactured and sold by appellee is primarily used in rural communities where there is no commercial current; that while the unit may be used without a battery, for instance in counter electrolysis on oil lines, it is usual to employ a battery as an adjunct to the unit. For example, the equipment is used to charge a battery which in turn is used in connection with radio, household lighting, the operation of the usual household electrical appliances, and the like.

[1] The dispute between the parties would seem to be reduced to the following: Are dry-cell batteries, incapable of being recharged, used in radio receivers, of the same descriptive properties as

wind-driven electric generating equipment, used principally to charge storage batteries, the use of which is, in part, in connection with radio receivers?

The appellant earnestly argues, in effect, that a storage battery must be considered as an integral part of the wind-driven electric generating equipment, and that, when so considered, it is of the same descriptive properties as its dry-cell battery, principally for the reason that both are used in connection with radio. It also contends that since one of the items in appellee's combination is an electric generator, and that since it and the dry-cell batteries of appellant are

"* * * closely associated in the public mind; are offered and sold to the same type of consumers through the same channels of trade * * *,"

therefore the goods of the parties are of the same descriptive properties.

It is our view that the electric generating combinations upon which the involved marks sought to be cancelled are used do not include a battery. Certainly there is nothing in the record to indicate that they do, and the generator combinations themselves, as shown by the exhibits of record, do not suggest that the combination includes a battery.

[2] The merchandise which appellee sells, which is of importance here, is a generator combination which generates electricity to be stored in a battery, and we cannot hold that the sale by appellee of charging apparatus consisting of propeller, generator, tower, etc., under the trade-mark "Wincharger" or "Hi-Way Wincharger" would be likely to confuse the purchasing public as to its origin or the origin of the dry cell batteries sold by appellant under the trade-mark "Winchester." The mere fact that the dry-cell batteries are used with radios and that appellee's goods are used to charge wet-cell batteries which, in turn, are used, in part, in connection with radios, does not in our mind suggest that a purchaser of either of the products of the contending parties here would be confused.

Here, it is not a question of conjoint use where the goods of one party are used on or in connection with the goods of the other such as was the case in *Cluett, Peabody & Co. (Inc.)* v. *Samuel Hartogensis*, 17 C. C. P. A. (Patents) 1166, 41 F.(2d) 94, 396 O. G. 707, and a number of other cases, nor does the instant record show a related use of the goods of the respective parties comparable to that in *Kotex Co.* v. *McArthur*, 18 C. C. P. A. (Patents) 787, 45 F.(2d) 256, 404 O. G. 4. It seems to us that the goods of the respective parties here are more comparable to those involved in the case of *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, 24 C. C. P. A. (Patents) 956, 88 F.(2d) 324, 482 O. G. 243, where we held that the mark "Better Homes" for use on lawn grass seed, was registrable over the opposition of the owner of the mark "Better Homes and Gardens" for a magazine, although subscribers to the magazine may have bought the grass seed. See also *Mohawk Milk Products Co., Inc.*, v. *General Distilleries Corp.*, 25 C. C. P. A. (Patents) 990, 95 F.(2d) 334, 495 O. G. 4, wherein we held gin and canned milk not to be goods of the same descriptive properties.

There is little, if any, similarity in the appearance or composition of the goods. On the one hand is an expensive and somewhat complicated machine and on the other is a relatively inexpensive dry-cell battery. Moreover, purchasers of wind-driven charging equipment would fall into the class of what has been referred to as discriminating purchasers.

We think that the Commissioner of Patents arrived at the right conclusion in refusing to cancel the aforesaid trade-mark registrations of appellee and his decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MEYER ET AL.

No. 4,535. Decided December 29, 1941

[123 F.(2d) 1021]

1. PATENTABILITY—RESOLUTION OF DOUBT.
"On the question of patentability, patent applicants are entitled to have doubts resolved in their favor."
2. SAME—HINGE AND HINGED STRUCTURE.
A claim to a hinge *Held* unpatentable over the prior art, but certain claims to a hinged structure *Held* patentable.

APPEAL from the Patent Office. Modified.

Messrs. Wheeler, Wheeler & Wheeler (*Mr. S. L. Wheeler* of counsel) for Meyer et al.

Mr. W. W. Cochran for the Commissioner of Patents.

BLAND, *J.*:

This case involves the application of Joseph J. Meyer and Frank A. Jones for a patent on an improvement in hinged structures. Four claims are presented in the record before us, numbered 5 to 8, inclusive, of which claim 5 is directed to the hinge per se, while the remaining claims cover the hinged structure in which the hinge is employed. Claims 5 and 6, we think, adequately illustrate all the appealed claims and follow:

5. A hinge element for use in a double-acting hinge set, said element comprising a frame of bar stock providing spaced and substantially parallel pintle bars, the spacing between such pintle bars corresponding substantially to the thickness of the members to be hingedly connected, and a hinge leaf pivoted on each of such pintle bars, each of said leaves comprising a strip of thin flat stock folded about the bar to comprise an eye substantially equal in length to said bar and thence having its ends superposed in face contact substantially symmetrically with reference to said eye to comprise a uniformly flat leaf, whereby the axis of each of said pintle bars is substantially in the plane of face contact of the superposed ends of the stock folded about such bar.

6. In a hinged structure, the combination with members requiring double-acting hinge connection, said members having abutting end faces and corresponding opposite side faces, of a plurality of like hinge elements connecting said members at several differing levels, each such element including a pintle frame having pintle bar portions spaced substantially by the distance between the opposite faces of said members, and straps each folded upon itself intermediate its ends to provide an eye in pivotal engagement about one of the pintle bars, the ends of the straps being superposed and provided with means connecting said ends with opposing faces of the respective members, the pintle bars at each side of the said members being respectively connected with different members, and the straps connected with pintle bars at a given face of one of said members being in each instance connected with the opposite face of the other member.

The references relied upon are: Manneck, 143,704, October 14, 1873; Morris, 428,402; May 20, 1890; Smith, 477,465; June 21, 1892; St. Amand, 731,389, June 16, 1903; Armstrong (British), 151,133, September 23, 1920; Mayer (German), 469,646, December 15, 1928.

The Primary Examiner of the United States Patent Office rejected claim 5 as "unpatentable over either Morris or Mayer when considered with St. Amand, Smith or Manneck." Claims 6, 7, and 8 were rejected by the Examiner as "being drawn to an old combination which it is believed Armstrong clearly shows." The Examiner further said:

* * * However, it is not considered, as was pointed out with reference to claim 5, that the hinge structure per se is of a patentable nature, and even though these claims were amended so as to relieve them of the rejection on old combination, the hinge structure per se would still be considered as met by the references as applied in the rejection of claim 5.

Upon appeal, the Board of Appeals affirmed the decision of the Examiner. From the decision of the Board, appellants have appealed here.

The Examiner, in describing the structure claimed in the application, said:

This invention relates primarily to a hinged structure which comprises a frame of bar stock providing spaced and substantially parallel pintle bars together with hinge leaves folded around said spaced pintle bars and extending therefrom, each of the leaves being made up of thin stock material so folded as to provide an eye surrounding the pintle which is substantially symmetrical with relation to the extended flange. In other words, the eye portion of the hinge leaves is so formed as to extend equally from each side of the folded hinge leaf. This particular hinge has been disclosed as finding its primary use with a plurality of frame members which can be so connected by means of the hinges that the frame members may be folded either to the right or to the left.

The applicants succintly describe their hinge as follows:

All there is to the applicants' hinge per se is simply two straps of thin sheet metal centrally folded about the opposite legs of a square yoke to provide two ply leaves centered with reference to the pintles provided by the yoke and reversible as to application by reason of the lack of counterbore and by reason of applicants' specific mode of application * * *.

In illustrating the application of the hinge to the structure to be hinged, applicants employ a folding screen, to the exposed faces of contiguous panels of which the hinges are connected at three points, the intermediate hinge in each instance having its leaves facing in opposite directions from the hinges at top and bottom. In their brief the applicants place much stress upon the alternating application of the hinges and also upon the fact that the hinged leaves are applied to the exposed faces of the panels of the screen rather than to their contiguous edges as shown in the prior art, it being contended that the applicants' manner of application results in no bending stresses acting on the leaves, the tension being directly absorbed in the wooden bars themselves, with the result that lighter metal may be used.

We will first consider claim 5, which is for the hinge per se, which claim was rejected as having been met by either Morris or Mayer in view of St. Amand, Smith or Manneck. Without going into detail, the Morris patent, we think, substantially shows the structure disclosed here by the applicants. Morris shows a double hinged structure which comprises an intermediate rectangular frame member corresponding to that shown by appellant. The hinge plates of Morris are attached to the frame by bending portions of the plates around opposite parallel sides of the frame as in appellants' structure. The difference between them is that appellants' hinged plate is folded to produce a two-ply plate with a symmetrically arranged eye. The two-ply plate and symmetrically arranged eye are suggested by the Smith patent and the St. Amand patent.

The German patent to Mayer shows hinged plates of two-ply form (the eye is not symmetrically arranged with respect to the plates) very similar to that of the applicants. Although the structure of Mayer would seem to make it a double-acting hinge if it was desirable to so use it, he uses the same to attach a cover to a chest. The Board pointed out:

* * * In addition to Mayer, the patents to St. Amand, Smith and Manneck all show hinge leaves formed in the same general manner as in the application, and Smith even shows the center of the eye in the same plane as the contiguous surfaces of the leaf members. Manneck uses thin sheet metal in forming his leaves. To make the leaves of Morris by folding to form two plies, clearly would not amount to invention, in view of the other patents. Also to centrally locate the eye in such structure, or in Mayer, would be unpatentable in view of Smith. The use of flat stock which is thin is a matter of choice, and further is disclosed in Manneck. * * *

As to claim 5, the critical question seems to be: In view of the elements of the prior art to which reference has been made, was it inventive for appellants to use the kind of material suggested in one patent in making a double-acting hinge shown in another and to centrally locate the eye as shown by Smith?

Often, patentable improvement may rest in putting together desirable elements of the prior art and making them perform in a new, useful and unobvious way. All improvement that results from combinations of old elements is not necessarily inventive. Something must be left to the exercise of mechanical skill. Usually the question that presents itself in view of the prior art is: Did the applicant do the obvious thing to one skilled in the art? As to claim 5, which covers the hinge per se, it is not clear to us that the two tribunals below, for the reasons assigned by them, erred in refusing to allow said claim.

Claims 6, 7, and 8 are drawn to "the hinged structure" and cover, in combination, the hinge and the structure to which it is applied. Appellants' application states that "the elements connected by the hinge are an essential part of the structure contributing to the function thereof." No reference shows a hinge such as appellants have devised attached to the face (rather than the edge) of the hinged structure and arranged so that the hinges are staggered. So, it becomes a question as to whether or not, in view of the prior art which shows, as has been pointed out, all the individual elements of the hinge, it amounted to invention to apply applicants' hinges to the structure as called for by claims 6, 7 and 8?

It must be remembered that Armstrong suggested that his hinge, which is unlike appellants' in a number of respects and functions differently, might be placed on the sides of the hinged structure

rather than the edges and also shows that his hinges might be placed on the alternate edges of the abutting portion. He did not show that they could be placed on the alternate sides.

Appellants have demonstrated with models the difference in the manner of performance of their hinges when applied as called for by claims 6, 7, and 8 and that of anything shown in the prior art. It is pointed out that in double-hinging heavy screens with a hinge like appellants' the feature of placing the plates on the sides rather than the edges causes the pressure on the nails holding the plates to be made laterally rather than in a direction tending to pull them from the wood and also that appellants avoid the hinged members spreading apart by placing the hinges alternately on the hinged members.

[1] It seems clear to us that appellants have greatly improved the art and we are not prepared to say that they have only done that which would be obvious to one skilled in the art. On the question of patentability, patent applicants are entitled to have doubts resolved in their favor. We think their invention rests in applying their particular hinge in the manner defined by claims 6, 7, and 8 and that, to that extent, they are entitled to patent protection.

[2] The decision of the Board of Appeals is affirmed as to claim 5 and reversed as to claims 6, 7, and 8.

Modified.

JACKSON, *J.*, dissents as to the allowance of claims 6, 7, and 8.

Changes in Classification

Order No. 3,610, March 5, 1942, directs:

In *class 73, Measuring and Testing* (Division 36), change the title of subclass 21 to read as follows:

21 **Tollers and samplers**

In *class 73, Measuring and Testing* (Division 36), establish the following subclass:

Tollers and samplers

22 Implements.

The patents in this subclass have been taken for the most part from class 83, Mills, subclass 15, abolished in this order.

In *class 83, Mills* (Division 25), abolish the following subclass:

Grinding mills

15 Grain samplers,

The patents formerly contained in this subclass have been placed for the most part in class 73, Measuring and Testing, subclass 21 and subclass 22, established in this order.

In *class 211, Supports, Racks* (Division 8), subclass 14, change the existing title and definition to read as follows:

Special article

14 Ball or egg type

14. Racks specially designed to support balls, eggs or like-shaped articles.

and in subclass 15 cancel the existing definition and substitute therefor the following definition:

15. Racks under subclass 14 provided with means for facilitating discharge of the articles from the rack.

In *class 29, Metal Working* (Division 29), subclass 84, at the end of the definition insert:

, or those entirely non-metallic;

and in subclass 95, in the definition, cancel "metal-working".

In *class 34, Drying and Gas or Vapor Contact with Solids* (Division 49), subclass 89, in note (3) cancel the reference to class 83, Mills (Division 25), subclass 15.

In *Class 188, Brakes* (Division 47), in subclass 1 add the following note:

Note.—For cables having weights or other means attached thereto for dampening vibrations therein, see class 174, subclass 42 and class 248, subclasses 54 and 63.

In *Class 223, Apparel Apparatus* (Division 24), subclass 70, cancel:

"in the nature of substantially flat or planar forms"

and in subclass 71, after "Devices" insert:

"in the nature of substantially flat or planar forms"

In *class 237, Heating Systems* (Division 46), main class definition under (3) Search Classes: add

252—COMPOSITIONS, particularly subclasses 67 and 71 and their indented subclasses. Patents are placed in class 252 (1) claiming admixtures of ingredients, or claims to an old compound, limited to use in a heat transfer agent, (2) processes of transferring heat comprising known heating system steps broadly recited distinguished solely by the composition or compound used, and (3) apparatus with the composition or compound therein, where characteristics of apparatus structure are not claimed. The preceding are placed in class 252 even though freezing or boiling points or temperatures of use are specified.

In *class 242, Winding and Reeling* (Division 61), in the main class definition, under "Search Classes", add:

191—ELECTRICITY—TRANSMISSION TO VEHICLES, subclass 12 and indented subclasses for reels restricted to use with flexible electrical conductors, as in take-up devices, and subclass 91 and indented subclasses, for reels in trolley retriever devices.

In *class 255, Earth Boring* (Division 32), subclass 1.4, cancel note (4) and renumber notes 5 and 6 as (4) and (5).

In *class 260, Chemistry, Carbon Compounds* (Division 31), subclass 673, note (1), change "678" to 679.

In *class 294, Handling—Hand and Hoist-Line Implements* (Division 4), subclass 61 in note (2) under "Search Classes" cancel the reference to class 83, Mills, and substitute:

83—MILLS, subclass 62, for spearlike devices designed as ice picks.

Adjudicated Patents

(C. C. A. N. Y.) Hopkinson and Dewey patent, No. 1,582,219, for seal for cans and other containers, *Held* invalid. *Dewey & Almy Chemical Co.* v. *Mimex Co.*, 124 F.(2d) 986.

(C. C. A. N. Y.) Dewey and Crocker patent, No. 1,765,134, for sealing composition, *Held* valid. *Id.*

(C. C. A. Mich.) Berry patent, No. 1,877,490, for piston, claims 5, 15, 18, and 35, *Held* invalid, and if valid, *Held* infringed. *Bohn Aluminum & Brass Corporation* v. *Berry*, 124 F.(2d) 865.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,218,229, B. H. Carroll and C. J. Staud, Process and material for masking in color correction, decided February 27, 1942, the claim.

Pat. 2,206,888, C. T. Greenidge, Method of continuous metal casting, decided January 23, 1942, claim 1.

Pat. 2,155,178, J. C. Brown, Treatment of hair, decided January 16, 1942, claims 2, 3, 4, 5, and 6.

BULLETIN OF DECISIONS OF PATENT OFFICE TRADE-MARKS

RENDERED DURING FEBRUARY, 1942

TRUVAL MANUFACTUREBS, INC., *v.* ABRAHAM & STRAUS, INC., Opposition No. 19,762.

In a decision rendered February 17, 1942, (163 Ms. Dec. 887, 52 U. S. P. Q. 503), *Assistant Commissioner Van Arsdale* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of TruVal Manufacturers, Inc., of New York, N. Y., to the application of Abraham & Straus, Inc., of Brooklyn, N. Y., for registration of the mark "Tru-Tex" for clothing for men, namely, outer and under shirts, pajamas, athletic shirts and shorts, hosiery, handkerchiefs, sweaters, lounging robes, leather jackets, gloves made of leather, fabric and/or combinations thereof, scarfs, hats and underwear.

The applicant introduced in evidence under rule 154(*c*) a registration, owned by it, No. 175,945, dated November 13, 1923, of the mark "Tru-Tex" for silk, cotton and woolen men's underwear in union suits and two-piece garments of knitted and textile fabrics. The Assistant Commissioner accorded applicant the filing date of said registration No. 175,945, to wit, December 2, 1922, as establishing the beginning of applicant's use of the mark "Tru-Tex" on men's underwear.

The Assistant Commissioner summed up the case for the opposer, TruVal Manufacturers, Inc., as follows:

"Opposer was incorporated in 1937 as a subsidiary of S. Liebovitz & Sons, Inc., which was founded in 1877. This parent company manufactured and sold shirts, and began to sell shirts under the mark 'TruVal' in 1931. This mark had previously been used for men's outer shirts by the firm of M. Koblenzer & Son, which had a registration No. 96,306 of that mark on those goods, issued to it April 14, 1914. The Koblenzer firm was composed of M. Koblenzer and his son S. J. Koblenzer as partners. M Koblenzer died in 1921 but the son continued the business of the firm and continued to sell shirts under various trade-marks, including the marks 'TruVal' 'Monogram' and 'John Adams'. Then in 1931 he executed an instrument of assignment of the mark 'TruVal' for shirts, the registration thereof, No. 96,306 and the good will of the business in connection with which the mark was used to S. Liebovitz & Sons, Inc., and turned over to the corporation all labels and box-covers relating to the mark, and thereafter used the mark no more in his business. In 1937 TruVal Manufacturers, Inc., as subsidiary of S. Liebovitz & Sons, Inc., took over from the latter the business and good will of the business of selling shirts under the mark 'TruVal' and on March 15, 1940, S. Liebovitz & Sons, Inc., gave TruVal Manufacturers, Inc., a formal written assignment of the trade-mark together with the good will of the business in connection with which the trade-mark was used. On March 19, 1940 TruVal Manufacturers, Inc., secured registration No. 376,349 of the mark 'TruVal' for pajamas and sportswear for men on application filed November 4, 1939, and in this application the applicant thereof—who is the present opposer—is stated to be owner of registration No. 96,306 of April 14, 1914. Meanwhile registration No. 96,306 had been renewed to S. Liebovitz & Sons, Inc., April 14, 1934."

The Examiner of Trade-Mark Interferences had expressed the opinion that no business or any good will of any business of the firm of M. Koblenzer and Son, with which the mark of registration No. 96,306 was associated, passed from that firm to S. Liebovitz & Sons, Inc., and therefore the purported assignment in 1931 of registration No. 96,306 from said firm to said corporation was invalid and the corporation secured none of the firm's rights in and to the trade-mark or registration.

The Examiner held that because applicant's registration No. 175,945 established use by applicant of its mark "Tru-Tex" on shirts from December, 1922, and prior to 1931, the date when S. Liebovitz & Sons, Inc., itself first used the mark "TruVal", the opposition must be dismissed, notwithstanding the renewal by that company of registration No. 96,306 of "TruVal" and the registration No. 376,349 of the TruVal Manufacturers, Inc., of the same mark.

In reaching a conclusion contrary to that reached by the Examiner, the Assistant Commissioner said:

"S. J. Koblenzer in continuing the business of the former Koblenzer partnership was selling shirts under the mark 'TruVal' up to the date of the assignment referred to and then stopped selling shirts under this mark, and thereupon S. Liebovitz Sons, Inc., began to sell shirts under this same mark 'TruVal'. Koblenzer did not manufacture shirts. The business consisted in creating and supplying the demand for shirts bearing the mark 'TruVal'. Upon securing the assignment S. Liebovitz Sons, Inc., began to engage in the business of creating and supplying the demand for shirts bearing the same mark 'TruVal'. The business of the Koblenzers had been carried on for many years, and certainly some good will must have become attached thereto. It seems to me that when S. Liebovitz took over from Koblenzer the business of selling shirts under the mark 'TruVal' the good will of that business did not separate therefrom but remained connected therewith. In order to transfer this business and good will I do not think it was required of Koblenzer to cease also the business of creating and supplying the demand for shirts bearing the marks 'Monogram' and 'John Adams'. Accordingly I consider the assignment valid and TruVal Manufacturers, Inc., entitled to claim use of the mark by itself and its predecessors from October 30, 1912."

The Examiner had refused to pass on the question of likelihood of confusion. The Assistant Commissioner, in passing upon this matter and ruling that the opposition should have been sustained, said:

"As stated, renewed registration 96,306 is of the mark 'TruVal' for men's outer shirts and the mark of the opposed application is 'Tru-Tex' for various items of men's clothing, including outer shirts. Clearly the marks are applied to identical goods and to goods of the same descriptive properties. The marks when considered undissected are so similar in sound and in appearance that, in my opinion, their concurrent use on the goods to which they are applied would be likely to result in confusion and mistake and to deceive purchasers. Such confusion may be likely to result even though the first syllables of the marks have a definite meaning and the syllable is incorporated in the marks of many prior registrations to third parties for goods of similar descriptive properties. *Marshall Field & Co.* v. *R. H. Macy & Co., Inc.*, 28 C. C. P. A. 807, 115 Fed. (2d) 921, 47 U. S. P. Q. 438."

The Assistant Commissioner expressed the further opinion that so long as opposer's registration No. 376,349 has not been canceled or abandoned, this registration is a bar to granting applicant the registration it has applied for, since the marks are confusingly similar and the goods involved are identical and of the same descriptive properties. He said that the validity of an opposer's registration, pleaded in its notice of opposition, should not be considered in an opposition proceeding. The Assist-

ant Commissioner adjudged the applicant not entitled to the registration for which it made application.

EX PARTE ARCHER HOSIERY MILLS, Serial No. 435,703.

In a decision rendered February 17, 1942 (163 Ms. Dec. 884, 52 U. S. P. Q. 505), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Archer Hosiery Mills of Columbus, Georgia, of the mark "Ne Line" for full length hosiery.

The Assistant Commissioner agreed with the Examiner that the word "Ne" would be considered by the purchasing public of hosiery to be a mere misspelling of the word "knee", and the entire expression to have the same meaning as the expression "line of the knee" would have, and to designate the region of the knee. He added:

"It seems to me that purchasers of hosiery, seeing or hearing the words 'Ne Line' applied to those goods, would believe the expression described the hosiery as being knee length. Accordingly, I deem the expression descriptive of knee length hosiery and misdescriptive of hosiery that is not of knee length. The fact that hosiery not of knee length is named in the application as the goods to which the mark is applied does not warrant granting the registration. *In re Bonide Chemical Company, Inc.*, 18 C. C. P. A. 909, 46 F.(2d) 705, 407 O. G. 4."

EX PARTE VIRGINIA & SPANISH PEANUT CO., Serial No. 439,640.

In a decision rendered February 17, 1942 (163 Ms. Dec. 885, 52 U. S. P. Q. 501), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Virginia & Spanish Peanut Co. of Providence, Rhode Island, of a mark having an anchor as a dominant feature and applied to nuts in their natural state, shelled, roasted and salted, and peanut butter and popcorn in its natural state.

When the Virginia & Spanish Peanut Co. filed its application on January 13, 1941, that application contained the following statement:

"Applicant is the proprietor of the trade-mark registered February 8, 1921, No. 139,557 and the present application may be regarded as an application for renewal and extension thereof."

Otherwise the application was in the form of an original application for registration. As stated by the Assistant Commissioner, the mark of the application is different from the mark of the registration mentioned in the quoted statement and additional goods were included as having the revised mark applied thereto.

The Examiner viewed the application as an original one and refused registration on three prior registrations; the mark of each of these registrations, like the mark of the application, having an anchor as a dominant feature.

As pointed out by the Assistant Commissioner in his decision, one of the alleged anticipating registrations was issued in 1909 and covers candy. Another was issued in 1913 and covers various specified fresh fruits, berries, nuts and olives. The third was issued in 1920 and covers foods such as coffee, tea, spices, peanut butter, salad dressing and flavoring extracts for food.

Upon refusal of registration by the Examiner, the applicant in an amendment dated May 3, 1941, requested that the application be amended by canceling the declaration, drawing and facsimiles and by rewording to request merely renewal of registration No. 139,557. Meanwhile registration No. 139,557 expired on February 8, 1941.

The Examiner refused the request, stating in part:

"The case was not filed as a renewal and obviously could not have been a renewal in view of the addition to the goods and the change in the mark. Moreover, the request that it be treated as a renewal of registration No. 139,557 was not made until after the expiration of that registration."

Thereafter the Examiner finally rejected the application as an original application on the three prior registrations.

Before the Assistant Commissioner the applicant urged that the Examiner erred in holding that the application as filed was not a request for renewal of registration No. 139,557. In regard to this contention, the Assistant Commissioner said:

"I think the Examiner was clearly correct in not recognizing the application as originally filed as a request for renewal of applicant's prior registration No. 139,557. It is true that in the application as filed it was stated that the application may be regarded as an application for 'renewal and extension' of the previous registration, but no request for alternate recognition of the application as one for mere renewal or for new registration is evident. Furthermore, as stated by the Examiner, the mark of this application is different from the mark of the registration and the application as originally filed embraced goods not included in the previous registration.

"When, on May 3, 1941, applicant requested cancellation of the declaration, drawing and facsimiles, and rewording of the application to constitute a request for mere renewal of registration No. 139,557, that registration had become expired. Under these circumstances, no date earlier than May 3, 1941, may be accorded applicant as the date of his request for renewal of the previous registration, and since that date was subsequent to the expiration of the previous registration on February 8, 1941, such petition to renew must be refused. *Ex parte Larus & Brother Company*, 46 U. S. P. Q. 391, 163 Ms. D. 565."

Before the Assistant Commissioner the applicant also urged that the Examiner erred in refusing registration in view of registrations that were in force at the time applicant's registration No. 139,557 was applied for and granted. With respect to this contention, the Assistant Commissioner had the following to say:

"It is recognized, of course, that the prior registration, No. 139,557, had not expired at the time the present application was filed. However, the fact that the three registrations relied on by the Examiner antedate said registration is of no help to applicant here. *Whitehouse Milk Products Co.* v. *Dwinell-Wright Company*, 27 C. C. P. A. 1194, 111 F.(2d) 490, 520 O. G. 266, and *Ex Parte Loose-Wiles Biscuit Company*, 22 U. S. P. Q. 379, 159 Ms. D. 298."

The Assistant Commissioner agreed with the Examiner that the three registrations, in view of which applicant was refused registration, cover marks and goods which are respectively confusingly similar to and of the same descriptive properties as the mark and goods of the application.

DIVCO-TWIN TRUCK COMPANY *v.* THE HERMAN BODY COMPANY, Opposition No. 19,507.

In a decision rendered February 19, 1942 (163 Ms. Dec. 890, 52 U. S. P. Q. 505), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences, in so far as by that decision the Examiner found the notation "Walk-in Drive", upon which the Herman Body Company of St. Louis, Mo., made application for registration as a trade-mark for motor truck and trailer vehicles, confusingly similar to and applied to goods of the same descriptive properties as a composite mark for automobiles registered to Buffalo Commercial Body Co., Inc., prior to the filing date of applicant's application, featuring the words "Step-N-Drive", and in so far as the Examiner thereby held applicant not entitled to the registration applied for.

This registered mark was asserted in the notice of opposition by Divco-Twin Truck Company of Detroit, Mich. The Examiner held that opposer had failed to prove ownership of that registration or use of the mark prior to applicant and dismissed the notice of opposition. Neither party appealed from the ruling dismissing the notice of opposition, but the applicant appealed from the holding refusing it registration. The Assistant Commissioner considered the appeal before him to be ex parte in nature and stated that opposer was not entitled to be heard on the question presented, citing *The Celotex Corporation* v. *Masonite Corporation*, 507 O. G. 1044, 43 U. S. P. Q. 17.

Before the Assistant Commissioner the applicant contended that the cited registration should be viewed as abandoned because opposer asserted in its notice of opposition that it had acquired the registration and the business and good will associated therewith and failed to present any proof with regard thereto, but the Assistant Commissioner concluded that the mere absence of such proof did not establish abandonment of the mark by the registrant.

On the matters of the similarity of the respective marks and goods, the Assistant Commissioner had the following to say:

"It is recognized that the purchase price of automobiles and motor trucks is substantial and that they are not apt to be purchased without considerable care and discrimination. On the other hand, the words 'Walk' and 'Step' in the marks are synonymous in my opinion. A dictionary definition of the verb 'step' is 'to walk'. Accordingly the marks 'Walk-in Drive' and 'Step-N-Drive' appear to me to have the same significance. All the factors mentioned should be given consideration. *In re Southern Metal Products Co.*, 26 C. C. P. A. 725, 99 Fed. (2d) 761.

"The goods seem to me to be clearly of the same descriptive properties and I consider the marks to so resemble each other in significance, in appearance and in sound when spoken, that their concurrent use on automobiles and on motor trucks and trailers would be likely to result in mistake and confusion and to deceive purchasers."

EX PARTE LADY ESTHER, LTD., Serial No. 436,614.

In a decision rendered February 21, 1942, (163 Ms. Dec. 891, 52 U. S. P. Q. 506), *Assistant Commissioner Van Arsdale* denied a petition by Lady Esther, Ltd. of Chicago, Ill., that prosecution of its application be reopened because of cancellation of the registration cited against that application and in view of which registration was refused.

The Assistant Commissioner said:

"The petition for cancellation of said registration does not allege and it has not been shown that the mark of the registration was not in use or had been abandoned by the assignee of the mark and registration at the time applicant's application for registration was filed, and the order canceling the registration carries no such implication, but in view of the record merely rules the mark and registration to have been abandoned at the time the petition to cancel was filed. The cancellation of the registration does not establish applicant owner of the mark it seeks to register at the time the application therefor was filed. This is a prerequisite to registration."

BAUSCH & LOMB OPTICAL COMPANY *v.* WILLIAM H. GLAZER, Opposition No. 20,103.

In a decision rendered February 23, 1942 (163 Ms. Dec. 892, 52 U. S. P. Q. 546), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition by Bausch & Lomb Optical Company of Rochester, N. Y., to the application of William H. Glazer of Philadelphia, Pa., for registration of the mark "BalZone" for eyeglass lenses, eyeglass spectacles, and instruments for calculating the proper zones of vision for lenses.

The opposer relied upon a number of registrations, including registrations of the marks "Balsin", "Baltex", "Balcor" and "Balux" for ophthalmic lenses; "Bal-Guards" for ophthalmic mountings; "Balar" for binoculars and "Balopticon" for projection apparatus.

The Examiner considered the goods of the parties to be at least in part identical in kind and therefore to possess the same descriptive properties and referring particularly to opposer's registration of the mark "Balsin", deemed the resemblances between applicant's mark and the marks of opposer's registrations to be such that the concurrent use of the marks in trade would be likely to cause confusion. The Assistant Commissioner expressed himself as being in entire agreement with the Examiner. He said:

"The goods to which the marks are applied include identical goods and goods of the same descriptive properties, and in my opinion the marks are so similar in appearance and in sound that when applied to those goods confusion and mistake and deception of purchasers would be likely to result."

DRINK-MOR BEVERAGE COMPANY *v.* ISLAND ROAD BOTTLING COMPANY, Opposition No. 20,266.

In a decision rendered February 28, 1942 (163 Ms. Dec. 893, 52 U. S. P. Q. 585), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition by Drink-Mor Beverage Company of Wilkes-Barre, Pa., to the application of Island Road Bottling Company of Philadelphia, Pa. for registration of a mark consisting of the word "Mammy's" in distinctive block-type letters for soft drinks and syrups, extracts and flavors used in making same. However, in the same decision the Assistant Commissioner reversed the decision of the Examiner of Trade-Mark Interferences adjudging applicant entitled to the registration for which it made application. The Assistant Commissioner adjudged, ex parte, that applicant was not entitled to the registration for which it made application.

As stated by the Assistant Commissioner, the applicant established use of its mark on the goods set forth in its application continuously since May 1, 1940. In its notice of opposition, the opposer

alleged ownership and use of a mark consisting of the word "Ma's" for a soft drink, namely, root beer, and syrups and extracts and flavors used in making the same, continuously since long prior to the inception of applicant's use of its mark "Mammy's" on May 1, 1940. As stated by the Assistant Commissioner, the opposer's record showed that in January and February, 1940, opposer applied the mark "Ma's" to bottles of root beer and distributed the bottles so labeled to the trade, and that thereafter opposer did not apply the mark to any goods nor did it distribute any goods bearing the mark, although the return of empty bottles bearing the mark continued for several months after February, 1940.

In view of this state of the record, the Assistant Commissioner ruled that the notice of opposition could not be sustained. He said:

"Opposer's record shows affirmatively that opposer stopped applying the mark to its goods and distributing goods with the mark applied thereto after February 1940, and shows no resumption of use of the mark. The notice of opposition was filed September 12, 1940. Further there is no testimony of any intention to resume use of the mark. Since the record shows opposer has not used the mark since February, 1940 and shows no intention by opposer of resuming use of the mark, the opposer has failed to establish by competent evidence probable damage by registration of applicant's mark, and for this reason the notice of opposition cannot be sustained. *The Touraine Company* v. *F. B. Washburn Co.*, 52 App. D. C. 356, 286 Fed. Rep. 1020, 309 O. G. 676."

At final hearing before the Examiner of Trade-Mark Interferences, held June 11, 1941, opposer produced a registration, No. 387,476, of the mark "Ma's" as used by opposer in January and February, 1940, issued to it May 20, 1941, on an application filed January 27, 1940, for a

"nonalcoholic, noncereal, maltless beverage, sold as a soft drink, root beer and sirup (sic) and extract for making the same."

At final hearing before the Examiner of Trade-Mark Interferences, held June 11, 1941, opposer produced a registration, No. 387,476, of the mark as evidence and refused to consider it as evidence in support of opposer's case. Before the Assistant Commissioner opposer asserted that a statement made concerning this application during the taking of opposer's proofs constituted due notice under rule 154(*e*). The Assistant Commissioner quoted that statement as follows:

"Counsel for the opposer and the applicant wish to point out that the matter of opposition referred to by the first witness, Isaac Rothstein, was opposition No. 19,869, filed by Chicago Distilled Water & Beverage Co., of 2800 North Tamlin Avenue, Chicago, Illinois, against application Serial Number 427,929, filed on January 27, 1940, by Drink-Mor Beverage Company of Wilkes-Barre, Pa., and published in the OFFICIAL GAZETTE of the United States Patent Office on April 2, 1940, page 25, column 2."

In agreeing with the Examiner that registration No. 387,476 properly was excluded as evidence in support of the notice of opposition, the Assistant Commissioner said:

"Clearly, the notice contemplated by rule 154(*e*) is notice of intention to present the record or special matter as evidence at the hearing. Although the statement referred to identifies the application on which registration No. 387,476 issued I find nothing in the statement which serves notice of any intention on the part of either party to offer the application in evidence at final hearing. Mere notice of the existence of a record or special matter without notice of intention to use it as evidence is not, in my opinion, a compliance with the provisions of rule 154(*e*)."

The Assistant Commissioner stated that the right of applicant to registration in view of the registration No. 387,476, issued to opposer, must be considered even though the registration issued after the notice of opposition was filed, citing *Sparklets Corporation* v. *Walter Kidde Sales Company*, 26 C. C. P. A. 1342, 42 U. S. P. Q. 73, 104 Fed. (2d) 396.

In finding said registration No. 387,476, a bar, the Assistant Commissioner said:

"The goods named in the opposed application and in this registration are identical, and I consider the marks to have the same significance and considerable similarity in appearance and in sound. In my opinion the concurrent use of the marks on the identical goods would be likely to result in confusion and mistake and to deceive purchasers, particularly as the goods to which they are applied are inexpensive and are apt to be purchased somewhat casually. A registration is prima facie evidence of ownership and use of the mark and to my mind abandonment by opposer has not been shown. The fact that opposer prosecuted the application for this registration successfully through an opposition proceeding and took out the registration would seem to indicate that opposer did not intend to abandon the mark and offsets any inference to the contrary that might be drawn from opposer's nonuse of the mark after February 1940. Further, in my opinion the mere fact that opposer was not successful in introducing the registration in evidence does not deprive the registration of being prima facie evidence of ownership and use. The registration issued on an application filed prior to the date of first use claimed by applicant of its mark, and in my opinion bars the grant of the registration for which applicant has applied."

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 31, 1942

[VOL. 536. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 448,345. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Nov. 1, 1941.

Firmo

FOR COAL.
Claims use since Oct. 10, 1941.

Ser. No. 448,346. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Nov. 1, 1941.

TOPALL

FOR COAL.
Claims use since Oct. 10, 1941.

CLASS 2

RECEPTACLES

Ser. No. 450,280. KEYES FIBRE COMPANY, Waterville, Maine. Filed Jan. 17, 1942.

KYS-WARE

The word "Ware" is disclaimed apart from the mark.
FOR RESIN-BEARING FIBROUS ARTICLES—NAMELY, PLATES, DISHES, TRAYS, AND CUPS.
Claims use since Nov. 27, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 448,243. CARHOFF COMPANY, Cleveland Heights, Ohio. Filed Oct. 30, 1941.

NO-FOG

FOR PREPARATION FOR USE ON GLASS, LENSES, REFLECTORS, WINDSHIELDS, GOGGLES, PHYSICIANS' OR DENTISTS' INSTRUMENTS, EYE GLASSES, GAS MASKS, WINDOWS, MIRRORS, AND THE LIKE, FOR PREVENTING THE FORMATION OF FOG, STEAM, FROST, OR PERSPIRATION THEREON.
Claims use since 1937.

Ser. No. 449,296. JAY ROSE, New York, N. Y. Filed Dec. 8, 1941.

DIRT-FOE

The word "Dirt" is disclaimed.
FOR CHEMICAL PREPARATIONS FOR CLEANING PAINTED SURFACES.
Claims use since October, 1940.

Ser. No. 450,000. K. J. QUINN & CO. INC., Boston, Mass. Filed Jan. 5, 1942.

QUINTONE

FOR LEATHER CLEANING AND POLISHING PREPARATION.
Claims use since Dec. 2, 1941.

Ser. No. 450,105. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Jan. 9, 1942.

DAREDEVIL

FOR SOAP.
Claims use since Oct. 15, 1941.

CLASS 5

ADHESIVES

Ser. No. 446,469. SEMTEX LIMITED, Reading, England. Filed Aug. 22, 1941.

SEMTEX

FOR COMPOSITIONS OF CEMENT AND LATEX FOR USE IN FIXING RUBBER FLOORING, FOR JOINING WOOD AND METAL SURFACES, AND FOR SIMILAR ADHESIVE PURPOSES.
Claims use since March, 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 413,589. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Dec. 8, 1938.

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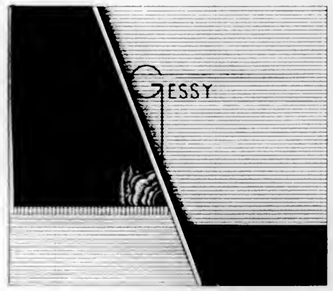
FOR PREPARATION FOR THE RELIEF OF BURNS, PRICKLY HEAT, SUNBURN, SCALDS, AND ALL RAW AND IRRITATED SKIN SURFACES.
Claims use since July 29, 1916.

Ser. No. 438,493. ROYDEN H. TILLSON, doing business as Isabelle Beautetics Company, St. Louis, Mo. Filed Dec. 3, 1940.

ISABELLE'S
VELSKIN

FOR COSMETIC AND TOILET CREAMS AND LOTIONS.
Claims use since Jan. 2, 1931.

Ser. No. 440,406. COMPANHIA GESSY S/A., now by change of name Companhia Gessy Industrial, Sao Paulo, Brazil. Filed Feb. 7, 1941.



FOR CARMINE, MUSK, ROUGE, CRAYON, PENCIL FOR MAQUILLAGE (MAKE-UP), PERFUMED OILS, OILS FOR THE HAIR, RICE-POWDER, TALC; LIQUID, POWDERED, OR SOLID AMMONIA FOR THE BATH; DENTIFRICES IN THE FORM OF PASTE, SOAP, CREAM, LIQUID, ELIXIR, AND POWDER; BEAUTY AND MAKE-UP CREAMS AND POMATUMS; SACHETS, TABLETS, CARMINED AND AROMATIC VINEGARS; SCENTED SALTS; EXTRACTS, PERFUMES, ESSENCES, SCENTS IN THE FORM OF LOZENGES, TABLETS, LENTILS, TROCHES, PILLS; CARMINED PAPER, PERFUMED OR WITH RICE-POWDER; BEAUTY WATER, LAVENDER WATER, COLOGNE WATER, ROSE WATER, CINCHONA WATER, WATER FOR MAQUILLAGE (MAKE-UP), PERFUMED GLYCERINE FOR TOILET USE; POMADES, TINCTURES, PETROLEUM, LOTIONS, BRILLIANTINES, BANDOLINES, COSMETICS, AND FIXERS FOR THE HAIR, EYELASHES, CILIA, MUSTACHES, OR WHISKERS; DEPILATORIES, DEODORANTS, VARNISHES, ENAMELS, PASTES, BRICKS, AND POWDERS FOR THE NAILS; AND SKIN CREAMS.
Claims use since July 1, 1935.

Ser. No. 440,509. HILLE LABORATORIES, Chicago, Ill. Filed Feb. 10, 1941.

AUROL

FOR COLLOIDAL GOLD AND COLLOIDAL GOLD COMPOUNDS FOR CARCINOMATOUS CONDITIONS, TUBERCULOSIS, SYPHILIS, ARTHRITIS, WHOOPING COUGH, AND OTHER SPASMODIC CONDITIONS, CHRONIC ALCOHOLISM, ETC.
Claims use since 1912.

Ser. No. 442,807. STUDART & CIA., Rio de Janeiro, Brazil. Filed Apr. 21, 1941.



FOR TOILET COSMETIC USED AS A PREPARATION FOR THE SKIN.
Claims use since Apr. 2, 1919.

Ser. No. 443,366. JOHN H. LEONARD, doing business as Leonard Laboratories, Merkel, Tex. Filed May 8, 1941.

SIRSALVE

FOR SALVE USED AS AN EXTERNAL TREATMENT FOR CANCER, ECZEMA, AND CHRONIC SKIN INFECTIONS.
Claims use since Apr. 21, 1941.

Ser. No. 445,919. CEROPHYL LABORATORIES, INC., Kansas City, Mo. Filed Aug. 4, 1941.

GRAVS

FOR THERAPEUTIC VITAMIN PREPARATION USED AS A FOOD SUPPLEMENT FOR PETS.
Claims use since June 11, 1941.

Ser. No. 445,975. JACOBO BONIFACIO BLEA, doing business as California Pharmacal Company, Los Angeles, Calif. Filed Aug. 5, 1941.



No claim is made to the wording apart from the association shown.
FOR INSECTICIDES.
Claims use since July 1, 1925.

Ser. No. 447,034. UNDERTAKERS SUPPLY COMPANY, Chicago, Ill. Filed Sept. 13, 1941.

FOR EMBALMING FLUID.
Claims use since Apr. 23, 1941.

Ser. No. 448,189. CHAUNCEY B. DAVIS, doing business as Chauncey B. Davis Manufacturing Co., Jackson, Miss. Filed Oct. 28, 1941.

Chauncey B. Davis

The mark comprises the facsimile signature of the applicant.
FOR HAIR DRESSING, PRESSING OIL FOR USE IN HAIR DRESSING, SOLID BRILLIANTINE, LIQUID BRILLIANTINE, LIQUID SHAMPOO, FACE POWDER, DEODORANT, COLD CREAM, VANISHING CREAM, SKIN BLEACH, HAIR TONIC AND BLOOD TONIC.
Claims use since Sept. 22, 1941.

Ser. No. 448,743. LOUIS C. TRABAND, doing business as Louis C. Traband Company, East St. Louis, Ill. Filed Nov. 18, 1941.

Cremoline THE OUNCE OF PREVENTION

No claim is made to the expression "The Ounce of Prevention" apart from the mark.

FOR DISINFECTANTS, INSECT EXTERMINATORS, STOCK DIP AND CHEMICAL SOLUTION FOR CLEANING PIPES.

Claims use since 1890.

Ser. No. 449,946. VALENTINE LABORATORIES, INC., Chicago, Ill. Filed Jan. 1, 1942.

ORLIS

FOR TOOTH PASTE.

Claims use since June 10, 1930.

Ser. No. 450,198. CHARLES E. FROSST & Co., Montreal, Canada, and Richmond, Va. Filed Jan. 14, 1942.

DIOKON

FOR PREPARATION FOR THE TREATMENT OF VITAMIN K DEFICIENCY.

Claims use since Feb. 27, 1940.

Ser. No. 450,304. CEROPHYL LABORATORIES, INC., Kansas City, Mo. Filed Jan. 19, 1942.

Graslets

FOR THERAPEUTIC VITAMIN PREPARATION USED AS A FOOD SUPPLEMENT FOR PETS.

Claims use since Sept. 26, 1941.

Ser. No. 450,348. FERD STAFFEL CO., San Antonio, Tex. Filed Jan. 20, 1942.

PHENO-DRENCH

Applicant disclaims the word "Drench" apart from the mark.

FOR MEDICINAL PREPARATION FOR THE REMOVAL OF INTERNAL PARASITES IN SHEEP, GOATS, AND SWINE.

Claims use since September, 1940.

Ser. No. 450,392. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 22, 1942.

CELLUFLEX

FOR CHEMICAL SUBSTANCE OR MIXTURE IN LIQUID FORM (BUT WHICH MAY BE IN SOLID, CRYSTAL, OR IN ANY OTHER FORM) USED IN GAS FILTERING MEDIA, IN THE ARTS AND MANUFACTURES AS AN INGREDIENT FOR PRODUCING OTHER CHEMICAL COMPOUNDS OR DERIVATIVES, INCLUDING THOSE USED IN THE MANUFACTURE OF THERMOPLASTIC OR SIMILAR COMPOUNDS, OR WHICH MAY ALSO BE USED AS A FINISHED PRODUCT FOR PRODUCING COATING COMPOUNDS, LACQUERS, VARNISHES, SHEETING, AND THE LIKE.

Claims use since Aug. 28, 1939.

Ser. No. 450,490. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 26, 1942.

DICHLOR-MAPHARSEN

The term "Dichlor" is disclaimed apart from the mark.

FOR PREPARATION USED IN THE TREATMENT OF SYPHILITIC AND RELATED TYPES OF INFECTIONS.

Claims use since Jan. 7, 1942.

Ser. No. 450,560. AMERICAN HOME PRODUCTS CORPORATION, Jersey City, N. J. Filed Jan. 29, 1942.

PABA

FOR P-AMINOBENZOIC ACID.

Claims use since Sept. 19, 1941.

Ser. No. 450,561. AMERICAN HOME PRODUCTS CORPORATION, Jersey City, N. J. Filed Jan. 29, 1942.

PABANA

FOR P-AMINOBENZOIC ACID.

Claims use since Sept. 19, 1941.

Ser. No. 450,610. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Jan. 31, 1942.

ZIPACEL

FOR CHEMICAL PREPARATION FOR USE IN THE VULCANIZATION OF RUBBER.

Claims use since Sept. 12, 1941.

Ser. No. 450,614. BREWER & COMPANY, INC., Worcester, Mass. Filed Jan. 31, 1942.

LUASMIN

FOR CAPSULES AND ENTERIC COATED TABLETS INDICATED IN THE SYMPTOMATIC TREATMENT OF BRONCHIAL ASTHMA.

Claims use since Apr. 21, 1939.

Ser. No. 450,620. COTY, INC., New York, N. Y. Filed Jan. 31, 1942.

BOMBARDIER

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.

Claims use since Jan. 22, 1942.

Ser. No. 450,744. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Feb. 4, 1942.

B-1956

FOR CHEMICAL COMPOSITION TO BE USED AS AN EMULSIFYING, SPREADING, STICKING AND/OR EXTENDING AGENT IN CONNECTION WITH INSECTICIDES, FUNGICIDES, BACTERICIDES, SPRAY OILS, AND SOFTENING, CLEANING, AND LUBRICATING AGENTS.

Claims use since Jan. 7, 1942.

Ser. No. 450,848. ENDO PRODUCTS, INC., New York, N. Y. Filed Feb. 9, 1942.

PABANOL

FOR SOLUBLE FORM OF PARA ANIMO BENZOIC ACID.

Claims use since Oct. 1, 1941.

CLASS 7

CORDAGE

Ser. No. 448,823. FREYBERG BROS., INC., Stamford, Conn., and New York, N. Y. Filed Nov. 22, 1941.

PRIORITY

FOR RIBBON MANUFACTURED FROM ARTIFICIAL FIBERS AND USED FOR TYING PACKAGES AND OTHER USES.

Claims use since Nov. 7, 1941.

CLASS 10

FERTILIZERS

Ser. No. 441,345. W. ATLEE BURPEE COMPANY, Philadelphia, Pa. Filed Mar. 8, 1941. Under section 5b of the act of 1905 as amended in 1920.

BURPEE'S

FOR FERTILIZERS, PLANT FOODS AND GARDEN FOODS.

Claims use since Jan. 3, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 446,457. HOUSTON SASH & DOOR COMPANY, Houston, Tex. Filed Aug. 22, 1941.



The words "Superior Wood Work" are disclaimed apart from the mark.

FOR MILL WORK AND ALLIED PRODUCTS—NAMELY, SASH, WINDOWS, TRANSOMS, WINDOW UNITS, WINDOW FRAMES, DOOR FRAMES, WINDOW TRIM, DOOR TRIM, DOORS, WOOD DOOR GRILLES, ORNAMENTAL BLINDS, LOUVRES, WOOD MANTELS, BUILT-IN WOODEN CABINETS AND IRONING BOARDS AND FRAMES THEREOF, CABINETS AND FRAMES THEREFOR, STAIRS, FLOORING, PANELBOARD, CEDAR LINING FOR CLOSETS, MOULDING, WALLBOARD, COLUMNS, DOWEL PINS AND RODS, AND PICKETS FOR FENCES.

Claims use since Feb. 8, 1937.

Ser. No. 448,020. A. F. VAN WOLF, doing business as Kedmont Manufacturing & Waterproofing Co., Chicago, Ill. Filed Oct. 22, 1941.

DUROTEX

FOR MATERIAL (IN LIQUID, PASTE, AND POWDER FORM) TO BE ADDED TO A CONCRETE MIX TO RENDER THE CONCRETE SURFACE, WHEN HARDENED, WEAR-RESISTING, NON-DUSTING, AND WATER-PROOF.

Claims use since October, 1927.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 426,231. SERVISOFT, INC., Rockford, Ill. Filed Dec. 4, 1939.

sWs

FOR TANK TYPE WATER SOFTENERS.

Claims use since Oct. 20, 1938.

Ser. No. 426,348. SERVISOFT, INC., Rockford, Ill. Filed Dec. 7, 1939.

SERVISOFT

FOR TANK TYPE WATER SOFTENERS.
Claims use since Oct. 20, 1938.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 439,878. REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed Jan. 22, 1941.

ELECTRO PAINTLOK

FOR FERROUS METAL SHEET, STRIP, AND PLATE.
Claims use since Oct. 27, 1940.

Ser. No. 450,088. COOPER-WILFORD BERYLLIUM, LTD., Philadelphia, Pa. Filed Jan. 9, 1942.

BERAL

FOR CASTINGS, FORGINGS, SHEETS AND BARS OF BERYLLIUM ALUMINUM ALLOYS.
Claims use since Feb. 7, 1941.

CLASS 15

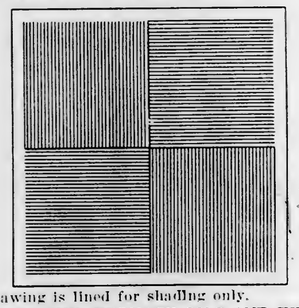
OILS AND GREASES

Ser. No. 442,880. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 23, 1941.

VISTAC

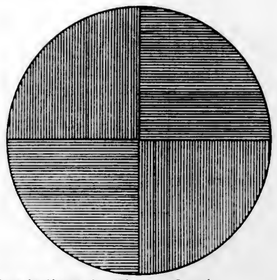
FOR LUBRICATING OILS AND GREASES.
Claims use since Mar. 27, 1941.

Ser. No. 446,646. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Aug. 29, 1941.



The drawing is lined for shading only.
FOR GASOLINE, FURNACE OILS AND FUEL OILS.
Claims use since Mar. 8, 1938.

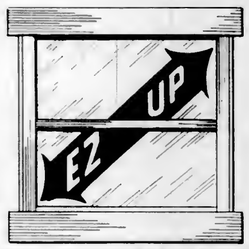
Ser. No. 448,886. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 25, 1941.



The drawing is lined for blue and red.
FOR GASOLINE.
Claims use since Mar. 8, 1934.

Ser. No. 449,215. ADELL SANTREY, doing business as Noiseless Window Company, New York, N. Y. Filed Dec. 5, 1941.

EZ-UP



FOR LUBRICATING OIL FOR DOORS AND WINDOW FRAMES.
Claims use since Nov. 30, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 445,298. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed July 12, 1941.

RCA

FOR FURNITURE POLISH AND REFINISHING AND POLISHING KITS FOR WOODEN CABINETS CONTAINING SPATULA, BRUSH, FELT RUBBING BLOCK, POLISH, GLUE, RUBBING OIL, TRIPOLI POWDER, ANILINE STAIN POWDERS, STICK SHELLAC, AND SANDPAPER.
Claims use on furniture polish since Apr. 26, 1940; and on cabinet refinishing kits since May 27, 1941.

Ser. No. 449,620. THE MERCURY CORPORATION, Kansas City, Mo. Filed Dec. 19, 1941.

CONVERTO

FOR REFINISHING COMPOUND IN THE NATURE OF PAINT FOR FABRICS HAVING THE PROPERTY OF COLORING THE SAME.
Claims use since Dec. 13, 1941.

Ser. No. 449,950. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Jan. 2, 1942.

OVL 8

FOR PAINT BOXES, SOMETIMES CALLED PAINT SETS, PAINT TRAYS, AND PAINT PANS, ALL FOR WATER COLOR PAINTS.
Claims use since 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 449,274. JOHN C. HERMAN & Co., New Cumberland, Pa. Filed Dec. 8, 1941.



The name "Jno. C. Herman" is the signature of one John C. Herman.
FOR CHEWING AND SMOKING TOBACCO.
Claims use since January, 1910.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 449,261. GLOBE AIRCRAFT CORPORATION, Fort Worth, Tex. Filed Dec. 8, 1941.

SWIFT

FOR AIRPLANES.
Claims use since June 1, 1941.

Ser. No. 449,899. ECONOMY AUTO STORES, INC., Atlanta, Ga. Filed Dec. 31, 1941.



The portrait is fanciful.
FOR ACCESSORIES, REPLACEMENT PARTS, AND SUPPLIES FOR AUTOMOTIVE VEHICLES—NAMELY, RADIATOR CAPS, WINDSHIELD WIPER BLADES, SHOCK ABSORBERS, AND BRAKE SHOES.
Claims use since May 15, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 447,182. FORD MOTOR COMPANY, Dearborn, Mich. Filed Sept. 19, 1941.

Ford

Applicant is owner of T. M. Reg. Nos. 374,336, 386,932, and 115,500 (renewed).
FOR ELECTRIC LIGHTERS FOR CIGARS AND CIGARETTES.
Claims use since Oct. 1, 1934.

Ser. No. 450,427. THE PRIME MANUFACTURING COMPANY, Milwaukee, Wis. Filed Jan. 23, 1942.

the Bulhorg

FOR ELECTRIC FENCE CONTROLLERS.
Claims use since Dec. 30, 1941.

Ser. No. 450,428. THE PRIME MANUFACTURING COMPANY, Milwaukee, Wis. Filed Jan. 23, 1942.



FOR ELECTRIC FENCE CONTROLLERS.
Claims use since Dec. 30, 1941.

Ser. No. 450,448. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Jan. 24, 1942.

Cabinetrol

FOR CABINETS FOR ELECTRIC CONTROL APPARATUS.
Claims use since Dec. 10, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 448,000. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 22, 1941.

Firestone

FOR LAUNDRY WASHING MACHINES.
Claims use since Mar. 1, 1941.

CLASS 25

LOCKS AND SAFES

Ser. No. 450,180. MILTON HALL, New York, N. Y. Filed Jan. 13, 1942.



Applicant disclaims the representation of the lock and key apart from the mark.
FOR LOCKS AND KEYS.
Claims use since Dec. 20, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 450,310. IRVING LAMPERT, doing business as Irving Lampert Co., Brooklyn, N. Y. Filed Jan. 19, 1942.

NAVIEX

FOR EYEGLASS LENSES, SPECTACLE LENSES, GUN SIGHT LENSES.
Claims use since January, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 445,678. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, New York, N. Y. Filed July 28, 1941.



FOR SHAVING BRUSHES.
Claims use since June 24, 1941.

Ser. No. 450,281. LEDOGAR, HUMPHREYS & COMPANY, New York, N. Y. Filed Jan. 17, 1942.

Nytuft

FOR TOOTHBRUSHES.
Claims use since Dec. 8, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 449,807. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Dec. 27, 1941.

RCA

FOR REFRIGERATORS, PARTS THEREOF, AND ACCESSORIES THEREFOR—NAMELY, REFRIGERATING UNITS AND TEMPERATURE REGULATING UNITS.
Claims use since Mar. 31, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 445,675. UTILITIES DISTRIBUTORS, INC., Portland, Maine. Filed July 26, 1941.



No claim is made to the words "Portland, Maine" apart from the mark.
FOR BOTTLED GAS INSTALLATION HOUSING AND EQUIPMENT UNITS.
Claims use since July 14, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 449,849. BROWN COMPANY, Berlin, N. H. Filed Dec. 30, 1941.

COMBAT

FOR PAPER PRODUCTS, SPECIFICALLY PAPER TOWELS.
Claims use since May 24, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 440,306. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio. Filed Feb. 5, 1941.



No claim is made to the word "American" apart from the mark.
FOR SUPPLEMENT TO A WEEKLY PERIODICAL.
Claims use since Nov. 11, 1940.

Ser. No. 446,779. H-M STANDARD PRODUCTS, INC., Freeport, N. Y. Filed Sept. 4, 1941. Under the act of Feb. 20, 1905, as amended June 10, 1938.



No claim is made to the words "Standard Products" except in the form and association shown.
FOR MONTHLY PUBLICATIONS, CHARTS, AND BOOKLETS.
Claims use since Feb. 1, 1926.

Ser. No. 447,531. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Oct. 4, 1941.



No claim is made to the word "News" apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since June 25, 1941.

Ser. No. 448,861. M. CHARLES GAINES, New York, N. Y. Filed Nov. 24, 1941.

Wonder Woman

FOR COMIC MAGAZINE.
Claims use since Oct. 16, 1941.

Ser. No. 449,554. PRESS ALLIANCE, INC., New York, N. Y. Filed Dec. 17, 1941.

Party Line

FOR SYNDICATED ARTICLES APPEARING IN DAILY NEWSPAPERS.
Claims use since Sept. 8, 1941.

Ser. No. 449,851. HARRY CONOVER, New York, N. Y. Filed Dec. 30, 1941.

WHO IS SHE

FOR MONTHLY, ILLUSTRATED, FASHION MAGAZINE OR PUBLICATION.
Claims use since Apr. 12, 1940.

Ser. No. 450,116. THE RUMFORD PUBLISHING COMPANY, Rumford, Maine. Filed Jan. 9, 1942.

CONGRESS SPEAKS

FOR MONTHLY PUBLICATION CONTAINING DIGESTS OF SELECTED PARTS OF THE CONGRESSIONAL RECORD.
Claims use since Dec. 17, 1941.

Ser. No. 450,357. FLEETWINGS, INCORPORATED, Bristol, Pa. Filed Jan. 21, 1942.

The FLEETWINGS' Furrow

FOR MONTHLY PUBLICATION.
Claims use since Dec. 1, 1941.

Ser. No. 450,458. ROY POST, New York, N. Y. Filed Jan. 24, 1942.

OBSERVO

FOR PRINTED CARDS.
Claims use since Mar. 10, 1939.

Ser. No. 450,635. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Jan. 31, 1942.

SCOPE

FOR PERIODICAL MAGAZINE.
Claims use since November, 1940.

CLASS 39

CLOTHING

Ser. No. 440,997. S. R. L. MANUFACTURING CO., Los Angeles, Calif. Filed Feb. 25, 1941.



Sorrel

FOR SPORTSWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, SHIRTS, SKIRTS, SLACKS, AND SLACK SUITS.
Claims use since Jan. 10, 1935.

Ser. No. 447,964. VITABUOY PRODUCTS LIMITED, London, England. Filed Oct. 20, 1941.

VITABUOY

FOR LIFE SAVING COATS, JACKETS, WAISTCOATS, VESTS, JUMPERS, TROUSERS, AND LININGS FOR SUCH CLOTHING FOR USE ON WATER.
Claims use since June 12, 1940.

Ser. No. 448,295. PHILIP M. KRANTZ, New York, N. Y. Filed Oct. 31, 1941.

Cuddler

FOR WOMEN'S AND CHILDREN'S QUILTED VESTS AND QUILTED JACKETS.
Claims use since Aug. 1, 1934.

Ser. No. 449,113. SPORTS VOGUE, New York, N. Y. Filed Dec. 2, 1941.

Connoisseur

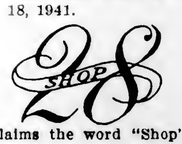
FOR WOMEN'S APPAREL—NAMELY, BLOUSES, SKIRTS, DRESSES, AND SUITS.
Claims use since Nov. 28, 1941.

Ser. No. 449,521. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed Dec. 16, 1941.



FOR LADIES' FULL FASHION HOSIERY.
Claims use since Aug. 21, 1941.

Ser. No. 449,571. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 18, 1941.



Applicant disclaims the word "Shop" apart from the mark.
FOR WOMEN'S AND MISSES' OUTER COATS AND CAPES OF FUR AND/OR FABRICS AND SUITS, DRESSES, GOWNS, BLOUSES, HOUSE COATS AND ROBES, OF SILK, WOOL, COTTON, RAYON AND MIXTURES THEREOF.
Claims use since Oct. 4, 1941.

Ser. No. 449,904. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Dec. 31, 1941.

AMERICAN FIELD

The word "American" is claimed only as a part of the mark shown.
FOR TROUSERS, VESTS, CAPES, BREECHES, SHIRTS, AND JACKETS FOR MEN.
Claims use on trousers, since March, 1933; on vests, since March, 1927; on capes, since March, 1927; on breeches, since March, 1933; on shirts, since April, 1941; and on jackets, since March, 1927.

Ser. No. 449,978. GERSON-GOODMAN-TUTELMAN CO., Philadelphia, Pa. Filed Jan. 3, 1942.



FOR DRESS SHIRTS AND SPORT SHIRTS.
Claims use since 1938.

Ser. No. 449,982. RO-NAT SPORTWEAR, INC., New York, N. Y. Filed Jan. 3, 1942.

La Samba

FOR SWEATERS AND SWEATER ENSEMBLES.
Claims use since Oct. 15, 1941.

Ser. No. 450,016. B. LOWENSTEIN & BROS. INC., Memphis, Tenn. Filed Jan. 6, 1942.



Applicant disclaims the words "Fashions" and "Lowenstein's" except as shown.
FOR MEN'S SUITS AND OVERCOATS.
Claims use since Dec. 1, 1941.

Ser. No. 450,353. CAPACHIONE BROS. & CO., Brockton, Mass. Filed Jan. 21, 1942.

CEL-O-BAK

The word "Bak" is disclaimed apart from the mark.
FOR CELLULOID-BACKED LEATHER TOPLIFTS FOR SHOES.
Claims use since Oct. 30, 1941.

Ser. No. 450,431. A. STARR & COMPANY, New York, N. Y. Filed Jan. 23, 1942.

Snapak

FOR MEN'S AND BOYS' SPORT JACKETS, RAINCOATS, GOLF JACKETS.
Claims use since December, 1941.

Ser. No. 450,542. TOBIAS KLIPSTEIN INC., New York, N. Y. Filed Jan. 28, 1942.



FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since Jan. 2, 1942.

Ser. No. 450,652. MARLBORO SHIRT COMPANY, INC., Baltimore, Md. Filed Feb. 2, 1942.

WESTSHORE

FOR DRESS AND SPORT SHIRTS, JACKETS AND COATS FOR MEN AND BOYS.
Claims use since July 1, 1941.

Ser. No. 450,696. SAKS & COMPANY, New York, N. Y. Filed Feb. 3, 1942.

Body Beautiful

FOR MISSES' AND WOMEN'S DRESSES, COATS, AND SUITS.
Claims use since Feb. 26, 1941.

CLASS 42

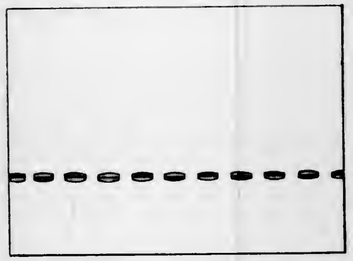
KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 449,239. NEPONSET WOOLEN MILLS, INCORPORATED, New York, N. Y., and Canton, Mass. Filed Dec. 6, 1941.

GLENGARIF

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 1, 1941.

Ser. No. 449,545. DAY'S TAILOR-D CLOTHING, INC., Tacoma, Wash. Filed Dec. 17, 1941.



The mark comprises a twisted strand of red and blue thread running with the warp and spaced on the back of the material at intervals of about eight inches. The representation of a section of the goods is disclaimed.
FOR PIECE GOODS OF COTTON, WOOL, AND/OR COMBINATIONS OF THESE MATERIALS.
Claims use since Nov. 6, 1941.

Ser. No. 449,919. REEVES BROTHERS, INC., New York, N. Y. Filed Dec. 31, 1941.

REEVEKING

FOR GABARDINE PIECE GOODS.
Claims use since June, 1938.

Ser. No. 449,920. REEVES BROTHERS, INC., New York, N. Y. Filed Dec. 31, 1941.

REEVES Glengarrie

Applicant disclaims the surname "Reeves" apart from the mark.
FOR POPLIN CLOTH IN THE PIECE.
Claims use since June 15, 1931.

Ser. No. 450,446. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y. Filed Jan. 24, 1942.

CAVEL-TWILL

The word "Twill" is disclaimed apart from the mark.
FOR WORSTED FABRICS OF A TWILL WEAVE FOR WOMEN'S AND MEN'S SUITINGS IN THE PIECE AND CUT LENGTHS.
Claims use since Jan. 9, 1942.

CLASS 43

THREAD AND YARN

Ser. No. 450,634. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Jan. 31, 1942.

STRAWTEX

FOR ART NEEDLEWORK YARNS.
Claims use since Jan. 19, 1942.

CLASS 44

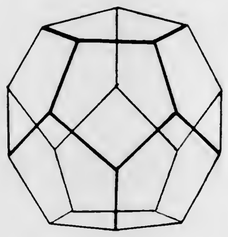
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 450,301. THE BRIDGEPORT DEVICE CO., INC., Bridgeport, Conn. Filed Jan. 19, 1942.

GRAY-TOM

FOR TRACTION SPLINTS, AND TRACTION APPLYING ATTACHMENTS FOR TRACTION SPLINTS.
Claims use since Dec. 31, 1937.

Ser. No. 450,524. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa. Filed Jan. 27, 1942.



FOR DENTAL SUPPLIES—NAMELY, ARTIFICIAL TEETH.
Claims use since February, 1940.

Ser. No. 450,596. HENRY LERER, doing business as Medical Aid Supply Company, New York, N. Y. Filed Jan. 30, 1942.

MONOMANIC

FOR FIRST AID KITS, AND BANDAGES CONTAINED AND SOLD IN DISPENSERS.
Claims use since Dec. 12, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 441,579. LENOX, INC., Boston, Mass. Filed Mar. 15, 1941.

MARGO

ROOT BEER

"Aged in Wood"

Applicant disclaims the words "Root Beer" and "Aged in the Wood" apart from the mark.
FOR NON-ALCOHOLIC BEVERAGES.
Claims use since Apr. 15, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 438,643. E. BIERHAUS & SONS, Vincennes, Ind. Filed Dec. 9, 1940.

ANY TIME

Applicant is owner of T. M. Reg. No. 261,533.
FOR COFFEE.
Claims use since July 6, 1928.

Ser. No. 440,229. RAMON F. ADAMS, doing business as Adams Candy Company, Dallas, Tex. Filed Feb. 3, 1941.

TEXAS PECANDY

The word "Texas" is disclaimed apart from the mark.
FOR CANDY.
Claims use since Mar. 27, 1939.

Ser. No. 445,412. FRANK H. FLEER CORPORATION, Philadelphia, Pa. Filed July 17, 1941.



No claim is made to the term "Gum" apart from the mark. Applicant is owner of T. M. Reg. No. 260,630.
FOR CHEWING GUM.
Claims use since May 21, 1941.

Ser. No. 445,618. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed July 24, 1941.



Applicant is owner of T. M. Reg. Nos. 39,146, 55,577, 55,578, and 55,579, all renewed.
FOR CORN STARCH.
Claims use since January, 1934.

Ser. No. 446,824. Yoo-Hoo Co., St. Louis, Mo. Filed Sept. 5, 1941.

YOO-HOO

FOR CANDY COATED ICE CREAM CONFECTIONS.
Claims use since Aug. 14, 1941.

Ser. No. 447,408. EDWIN J. ROSENLUND, doing business as Snax Stix, Spokane, Wash. Filed Sept. 29, 1941.

Snax Stix

The word "Stix" is disclaimed apart from the mark.
FOR MEAT PRODUCT CONSISTING OF A WIENER, OR LIKE PRODUCT, MOUNTED ON A STICK, ROLLED IN A BATTER AND FRIED IN DEEP FAT, AND A MIX OR BATTER FOR MAKING THE SAME.
Claims use since Oct. 9, 1940.

Ser. No. 447,776. ARCADY FARMS MILLING COMPANY, Chicago, Ill. Filed Oct. 14, 1941.



No claim is made to the words "Farm," "Quality," "Balance," "Vitamin," or "Laboratory" apart from the mark, except in the combination here employed. The drawing is lined for green, but no claim is made to any particular color.
FOR LIVESTOCK AND POULTRY FEED.
Claims use since Sept. 25, 1941.

Ser. No. 450,005. THE TOBIN PACKING COMPANY INCORPORATED, Fort Dodge, Iowa. Filed Jan. 5, 1942.

Sum Loaf

No claim is made to the word "Loaf" apart from the mark.
FOR MEAT PRODUCTS—VIZ., A MEAT LOAF.
Claims use since Nov. 18, 1941.

Ser. No. 450,247. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 15, 1942.

SOUPAK

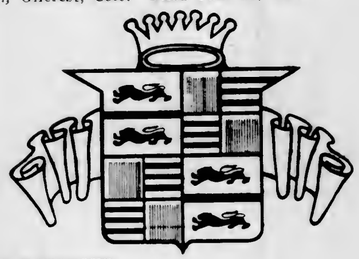
FOR SOUP MIXTURES.
Claims use since Jan. 12, 1942.

Ser. No. 450,292. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla. Filed Jan. 17, 1942.



FOR FRESH CITRUS FRUITS.
Claims use since Sept. 1, 1939.

Ser. No. 450,418. GILCREST EARLY POTATO ASSOCIATION, INC., Gilcrest, Colo. Filed Jan. 23, 1942.



FOR POTATOES.
Claims use since July 15, 1941.

Ser. No. 450,679. HOWARD PRESERVING COMPANY, INC., Miami, Fla. Filed Feb. 3, 1942.

KOKO WHIP

No claim is made to the word "Whip" apart from the mark.
FOR CANNED, BOTTLED, AND PACKAGED PREPARATION OF WHICH COCONUT IS THE PRINCIPAL INGREDIENT.
Claims use since Dec. 9, 1941.

Ser. No. 450,861. PLANO PACKING HOUSE COMPANY, Porterville, Calif. Filed Feb. 9, 1942.

PONCA

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 3, 1941.

Ser. No. 450,868. STANARD-TILTON MILLING CO., St. Louis, Mo. Filed Feb. 9, 1942.

TYRANT

FOR WHEAT FLOUR.
Claims use since Nov. 4, 1941.

Ser. No. 450,944. FRED W. RUSH, doing business as Fred W. Rush Co., Los Angeles, Calif. Filed Feb. 13, 1942.

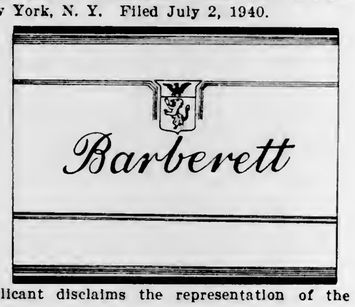


The illustration of a man and woman is fanciful.
FOR FRESH VEGETABLES.
Claims use since Nov. 15, 1941.

CLASS 47

WINES

Ser. No. 433,689. LOMBARDY WINE CORP. OF NEW YORK, New York, N. Y. Filed July 2, 1940.



Applicant disclaims the representation of the label per se.
FOR WINES.
Claims use since Aug. 1, 1938.

Ser. No. 439,075. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain. Filed Dec. 21, 1940.

CARDENAL CISNEROS

The mark consists of the name of a celebrated fifteenth century cardinal, statesman, and regent of Spain, Francisco Ximenes de Cisneros.
FOR ALL KINDS OF WINES.
Claims use since November, 1933.

Ser. No. 439,078. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain. Filed Dec. 21, 1940.

Pedro Ximenez

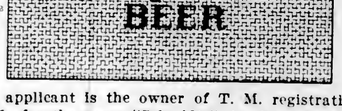
FOR ALL KINDS OF WINES.
Claims use since May, 1935.

Ser. No. 439,079. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain. Filed Dec. 21, 1940.

MARISMEÑO

FOR ALL KINDS OF WINES.
Claims use since May, 1935.

Ser. No. 443,122. A. FLORIO & COMPAÑIA, Buenos Aires, Argentina. Filed Apr. 30, 1941.



The notation "Marca Registrada" is disclaimed apart from the mark.
FOR WINES.
Claims use since June 12, 1934.

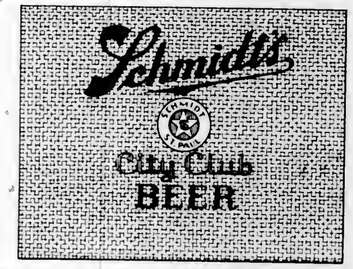
CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 447,804. FOX HEAD WAUKESHA CORPORATION, Waukesha, Wis. Filed Oct. 15, 1941. Under 10-year proviso.

FOR ALE.
Claims use since Dec. 1, 1894.

Ser. No. 449,467. JACOB SCHMIDT BREWING CO., St. Paul, Minn. Filed Dec. 13, 1941.



The applicant is the owner of T. M. registration No. 225,371, for the name "Schmidts" (registered under the 10-year proviso). The drawing is lined for red and gold. The words "St. Paul" and "Beer" are disclaimed apart from the mark.
FOR BEER.
Claims use since Nov. 1, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 447,356. OTTO BURNELEIT, Bloomfield, N. J. Filed Sept. 27, 1941.



FOR GIN.
Claims use since May, 1940.

Ser. No. 447,401. OLD COLONEL DISTILLERY, Louisville, Ky. Filed Sept. 29, 1941.

KENTUCKY COLONEL

No claim is made to the word "Kentucky" apart from the mark.
FOR WHISKEY.
Claims use since Aug. 27, 1934.

Ser. No. 449,865. RUDOLPH LISKA & SONS, INC., Chicago, Ill. Filed Dec. 30, 1941.

CATHEDRAL

FOR WHISKIES, CORDIALS, LIQUEURS, AND GINS—NAMELY, GIN, SLOE GIN, DISTILLED LONDON DRY GIN, CREAMY TOP SLOE GIN, KENTUCKY STRAIGHT BOURBON WHISKEY, STRAIGHT RYE WHISKEY, CRYSTALLIZED ROCK & RYE LIQUEUR, FRUIT ROCK & RYE LIQUEUR, BOONEKAMP BITTERS, FRUIT ROCK & RUM LIQUEUR, FRUIT ROCK & GIN LIQUEUR, CRYSTALLIZED ROCK & RUM LIQUEUR, BLENDED WHISKEY, BLACKBERRY LIQUEUR, PEACH LIQUEUR, CHERRY FLAVORED BRANDY, APRICOT FLAVORED BRANDY, PEACH FLAVORED BRANDY, BLACKBERRY FLAVORED BRANDY, RASPBERRY CORDIAL, KORZENIOWKA, AND APRICOT LIQUEUR, CHERRY LIQUEUR, ZELINKOVA BITTERS, ORANGE FLAVORED GIN, AND PEPPERMINT SCHNAPPS LIQUEUR.
Claims use since May 19, 1939.

CLASS 50

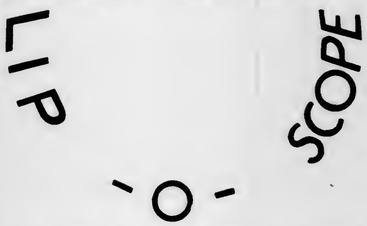
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 443,703. CLINTON F. ROSE, doing business as Redwood Garden Materials Company, Los Angeles, Calif. Filed May 19, 1941.

REDWOODIES

FOR STATUES AND FIGURES USED FOR ORNAMENTAL PURPOSES.
Claims use since Feb. 1, 1941.

Ser. No. 449,033. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Nov. 29, 1941.



The word "Lip" is disclaimed apart from the mark.
FOR ADVERTISING DEVICE FOR LIPSTICKS SOLD AS SUCH.
Claims use since July, 1941.

Ser. No. 449,206. JOHN HERBST, doing business as Manor Glass Co., New York, N. Y. Filed Dec. 5, 1941.



FOR GLASS FIGURINES.
Claims use since April, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 31, 1942

394,250. CRACKERS OR BISCUITS. THE B. MANISCHEWITZ COMPANY, Jersey City, N. J., and Cincinnati, Ohio.
Filed January 30, 1939. Serial No. 415,405. PUBLISHED JULY 11, 1939. Class 46.

394,251. NONALCOHOLIC MALTLESS BEVERAGES AND SYRUPS AND CONCENTRATES FOR MAKING SAME. GREEN & GREEN INC., Houston, Tex., assignor to R. H. Green, A. M. Green, and J. B. Green, a partnership doing business as Green & Green.
Filed September 29, 1939. Serial No. 424,040. PUBLISHED FEBRUARY 20, 1940. Class 45.

394,252. CANNED VEGETABLES—NAMELY, CANNED PUMPKIN. MINER, READ & TULLOCK, INC., New Haven, Conn.
Filed January 31, 1940. Serial No. 428,082. PUBLISHED JANUARY 20, 1942. Class 46.

394,253. PRINTED PHOTOGRAPHS AND PHOTOGRAPHIC PRINTS. PLEASE U FILM SERVICE, La Crosse, Wis.
Filed June 24, 1940. Serial No. 433,306. PUBLISHED JANUARY 13, 1942. Class 38.

394,254. DETACHABLE SAFETY REFLECTORS TO PROTECT STANDING VEHICLES. CHESTER L. WHITTEMORE, Boston, Mass.
Filed October 29, 1940. Serial No. 437,394. PUBLISHED JANUARY 20, 1942. Class 34.

394,255. PREPARATIONS USED AS BIOLOGICAL STIMULANTS FOR GLANDULAR ACTIVITY, INCLUDING GLANDULAR PREPARATIONS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 1, 1940. Serial No. 437,484. PUBLISHED JANUARY 13, 1942. Class 6.

394,256. DOG FOOD MINERALS. THE PUMICITE COMPANY, St. Louis, Mo.
Filed November 14, 1940. Serial No. 437,878. PUBLISHED JANUARY 20, 1942. Class 6.

394,257. MECHANICAL DEVICES FOR PULLING AND WITHDRAWING RAILWAY TIES FROM BENEATH RAILS AND FOR PUSHING AND POSITIONING TIES IN PLACE. CHARLES L. J. WELCH, doing business as Railway Maintenance Devices, Chicago, Ill.
Filed December 28, 1940. Serial No. 439,261. PUBLISHED JANUARY 6, 1942. Class 23.

394,258. JACKETS FOR MEN, WOMEN, AND CHILDREN. MYRTLE KNITTING MILLS, INCORPORATED, Unionville, Conn.
Filed January 17, 1941. Serial No. 439,761. PUBLISHED JANUARY 6, 1942. Class 39.

394,259. MIXTURE OF LOW BOILING LIQUID HYDROCARBONS SUITABLE FOR USE IN ROTOGRAVURE INKS. AMERICAN MINERAL SPIRITS COMPANY, Chicago, Ill.
Filed January 24, 1941. Serial No. 439,917. PUBLISHED JANUARY 20, 1942. Class 11.

394,260. DETACHABLE ORNAMENT HOLDERS FOR SLIDE FASTENER TABS. TABBY, LTD., New York, N. Y.
Filed January 29, 1941. Serial No. 440,104. PUBLISHED JANUARY 20, 1942. Class 13.

394,261. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED FOR SOFT DRINKS. NATIONAL ORANGE PRODUCTS, INC., Chicago, Ill.
Filed February 7, 1941. Serial No. 440,424. PUBLISHED MAY 13, 1941. Class 45.

394,262. CANVAS PANELS AND ROLL CANVAS. GOLDSMITH BROS., New York, N. Y.
Filed April 1, 1941. Serial No. 442,163. PUBLISHED JANUARY 20, 1942. Class 50.

394,263. STERLING SILVER WARE AND SILVER AND GOLD-PLATED HOLLOW-WARE, TABLEWARE, AND NOVELTIES, ETC. BERNARD RICE'S SONS, INC., also doing business as Apollo Studios and Apollo Silver Company, New York, N. Y.
Filed April 1, 1941. Serial No. 442,179. PUBLISHED JANUARY 20, 1942. Class 28.

394,264. SLUSH PUMP LINERS, SLUSH PUMP RODS AND UNIONS. HARRISBURG ENGINEERING COMPANY, Fort Worth, Tex.
Filed April 12, 1941. Serial No. 442,526. PUBLISHED JANUARY 6, 1942. Class 23.

394,265. WHOLE MILK POWDER. PET MILK COMPANY, St. Louis, Mo.
Filed April 14, 1941. Serial No. 442,562. PUBLISHED JANUARY 20, 1942. Class 46.

394,266. SOOT DESTROYER BRICKS. HAROLD J. KNACK, Detroit, Mich.
Filed April 15, 1941. Serial No. 442,596. PUBLISHED JANUARY 13, 1942. Class 6.

394,267. MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS, DRAWERS, AND PAJAMAS. WILSON BROTHERS, Chicago, Ill.
Filed April 17, 1941. Serial No. 442,680. PUBLISHED AUGUST 12, 1941. Class 39.

394,268. VEHICLE BRAKING UNITS INCORPORATING POWER BRAKES OR THE DIFFERENTIAL AIR PRESSURE TYPE, ETC. BENDIX AVIATION CORPORATION, South Bend, Ind.
Filed April 21, 1941. Serial No. 442,776. PUBLISHED JANUARY 20, 1942. Class 19.

394,269. SWEATERS, JERSEYS, CARDIGAN JACKETS, PULLOVERS, SLIPONS IN THE NATURE OF SWEATERS, SCARVES, CAPS AND BERETS FOR MEN, WOMEN AND CHILDREN. THE CAERLEE MILLS KNITTING CO. LIMITED, Peebles, Scotland.
Filed May 1, 1941. Serial No. 443,153. PUBLISHED JANUARY 6, 1942. Class 39.

394,270. MERCHANDISE PREMIUM CATALOGUES ISSUED PERIODICALLY AND DISTRIBUTED TO AN ESTABLISHED MAILING LIST. DECORATORS WALL PAPER CO., St. Louis, Mo.
Filed May 7, 1941. Serial No. 443,323. PUBLISHED JANUARY 20, 1942. Class 38.

394,271. CREAM SEPARATORS. VEGA SEPARATOR CORPORATION OF AMERICA INC., Minneapolis, Minn.
Filed May 9, 1941. Serial No. 443,444. PUBLISHED SEPTEMBER 9, 1941. Class 23.

394,272. HYDROGENATED MARINE OIL FATTY ACIDS. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,487. PUBLISHED JANUARY 13, 1942. Class 6.

394,273. FAT SPLITTING REAGENTS AND SAPONIFIERS. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 12, 1941. Serial No. 443,488. PUBLISHED JANUARY 13, 1942. Class 6.

394,274. PERIODICAL. THE ALL-AMERICAN ATHLETIC ASSOCIATION, New York, N. Y.
Filed May 29, 1941. Serial No. 444,030. PUBLISHED JANUARY 13, 1942. Class 38.

394,275. MATERIALS MADE WHOLLY OR IN PART FROM SYNTHETIC RESINOIDS AND SOLD IN THE FORM OF SHEETS, BLOCKS, TUBES, RODS, AND SHAPED PIECES—NAMELY, ANGLES AND CHANNELS. ELLISON INSULATIONS LIMITED, Perry Barr, Birmingham, England.
Filed June 3, 1941. Serial No. 444,139. PUBLISHED OCTOBER 7, 1941. Class 1.

394,276. WHEAT GERM OILS TO BE MIXED WITH ANIMAL FOODS. CO-OPERATIVE FEED DEALERS, INC., Binghamton, N. Y.
Filed June 6, 1941. Serial No. 444,256. PUBLISHED JANUARY 13, 1942. Class 6.

394,277. WOMEN'S, MISSES', AND GIRLS' BLOUSES, SKIRTS, DRESSES, AND JACKETS. EDWARD L. WEIS, Chicago, Ill.
Filed June 6, 1941. Serial No. 444,291. PUBLISHED DECEMBER 30, 1941. Class 39.

394,278. NATURAL MINERAL WATERS, NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SOFT DRINKS. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941. Serial No. 445,130. PUBLISHED JANUARY 13, 1942. Class 45.

394,279. WINES AND APERITIVE WINES. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941. Serial No. 445,131. PUBLISHED JANUARY 13, 1942. Class 47.

394,280. WHISKIES, BRANDIES, GINS, RUMS, ALCOHOLIC PUNCHES, CORDIALS, LIQUEURS, AND ALCOHOLIC BITTERS. COMPANHIA ANTARCTICA PAULISTA, Sao Paulo, Brazil.
Filed July 7, 1941. Serial No. 445,132. PUBLISHED JANUARY 13, 1942. Class 49.

394,281. MACHINERY FOR DECORTICATING RAMIE AND OTHER FIBER BEARING MATERIALS SUCH AS HEMP, JUTE, FLAX, CAROJA, KENAF, KENDYR, BANANA TRUNKS, NUTS, AND COCOANUT HUSKS. SYLVESTER L. ST. JOHN, Mansfield, Mass.
Filed July 19, 1941. Serial No. 445,510. PUBLISHED JANUARY 20, 1942. Class 23.

394,282. BLOOD TONIC. JAMES E. MCMULLIN & SONS, Sparta, Ga.
Filed August 14, 1941. Serial No. 446,237. PUBLISHED JANUARY 13, 1942. Class 6.

394,283. BRANDY. DE LA SALLE INSTITUTE, Napa, Calif.
Filed August 18, 1941. Serial No. 446,315. PUBLISHED JANUARY 13, 1942. Class 49.

394,284. SWEATERS, SKIRTS, BLOUSES, SPORT COATS AND SUITS FOR WOMEN. FLAH & CO., INC., Syracuse, N. Y.
Filed August 18, 1941. Serial No. 446,321. PUBLISHED JANUARY 6, 1942. Class 39.

394,285. WOMENS', MISSES', JUNIORS', AND CHILDREN'S UNDERWEAR, SLIPS, PANTIES, BLOOMERS, VESTS, NIGHTGOWNS, PAJAMAS, CHEMISE, AND UNION SUITS. HER MAJESTY UNDERWEAR COMPANY, Philadelphia, Pa., and New York, N. Y.
Filed September 8, 1941. Serial No. 446,874. PUBLISHED JANUARY 13, 1942. Class 39.

394,286. MANILA, SISAL, AND COTTON ROPE AND CORDAGE, AND TWINE—NAMELY, BINDER TWINE MADE OF COTTON, HEMP, FLAX, JUTE, LINEN, SISAL, AND MANILA, AND COMBINATIONS THEREOF. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed September 8, 1941. Serial No. 446,897. PUBLISHED DECEMBER 16, 1941. Class 7.

394,287. PERIODICAL PUBLICATION. CRESTWOOD PUBLISHING CO., INC., New York, N. Y.
Filed September 12, 1941. Serial No. 446,995. PUBLISHED JANUARY 13, 1942. Class 38.

394,288. GIRLS' AND WOMEN'S ARTICLES OF CLOTHING—NAMELY, COATS, SUITS, DRESSES, SWEATERS, JACKETS, AND HATS. SOSNIK AND SOSNIK, INC., Winston-Salem, N. C.
Filed September 12, 1941. Serial No. 447,005. PUBLISHED DECEMBER 30, 1941. Class 39.

394,289. BRANDY. THE OLD COLONY COMPANY, Bridgeport, Conn.
Filed September 16, 1941. Serial No. 447,073. PUBLISHED JANUARY 13, 1942. Class 49.

394,290. ANTI-SIPHONING THEFT GUARDS FOR PARTIALLY OBSTRUCTING VEHICLE TANK FILLER PIPES. SCULLY SIGNAL COMPANY, Cambridge and East Cambridge, Mass.
Filed September 17, 1941. Serial No. 447,109. PUBLISHED JANUARY 20, 1942. Class 19.

394,291. MEN'S SUITS, COATS, VESTS, AND TROUSERS MADE OF TEXTILE FABRICS. WEINBERG CORPORATION, Chicago, Ill.
Filed September 18, 1941. Serial No. 447,172. PUBLISHED DECEMBER 23, 1941. Class 39.

394,292. FUR COATS MADE OF PERSIAN LAMB AND PERSIAN LAMB PAWS. LABRADOR FUR CORPORATION, New York, N. Y.
Filed September 20, 1941. Serial No. 447,211. PUBLISHED DECEMBER 30, 1941. Class 39.

394,293. WOMEN'S, MISSES', JUNIORS', TEENS', AND CHILDREN'S WEARING APPAREL—NAMELY, COATS, SUITS, AND DRESSES. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed September 29, 1941. Serial No. 447,404. PUBLISHED JANUARY 13, 1942. Class 39.

394,294. BLEND OF VEGETABLE OIL AND OLIVE OILS USED FOR COOKING PURPOSES. NICOLA GRILLO, Brooklyn, N. Y.
Filed October 3, 1941. Serial No. 447,529. PUBLISHED JANUARY 20, 1942. Class 46.

394,295. PREPARATION OF CHEMICALS USED FOR THE EXTINGUISHMENT OF MAGNESIUM FIRES. ZEPH S. CHAPMAN, Los Angeles, Calif.
Filed October 6, 1941. Serial No. 447,584. PUBLISHED JANUARY 13, 1942. Class 6.

394,296. CONDENSED MILK PREPARATION FOR USE IN MAKING ICE CREAM AND FROZEN DESSERTS. M & R DIETETIC LABORATORIES, INC., doing business as Ten-B-Low Company, Columbus, Ohio.
Filed October 8, 1941. Serial No. 447,613. PUBLISHED JANUARY 20, 1942. Class 46.

394,297. LOCKS, LOCK PARTS, AND KEYS FOR LOCKS. WARTSILA-YHTYMA O/Y-WARTSILA-KONCERNEN A/B, Vartsila, Finland.
Filed October 8, 1941. Serial No. 447,624. PUBLISHED JANUARY 13, 1942. Class 25.

394,298. WOOLEN YARNS. MELBOURNE YARN CO., LTD., New York, N. Y.
Filed October 9, 1941. Serial No. 447,636. PUBLISHED DECEMBER 30, 1941. Class 43.

394,299. YARNS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 11, 1941. Serial No. 447,684. PUBLISHED DECEMBER 23, 1941. Class 43.

394,300. PIECE GOODS OF SILK AND SILK MIXTURES. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.
Filed October 11, 1941. Serial No. 447,693. PUBLISHED JANUARY 6, 1942. Class 42.

394,301. GARMENT HANGERS. RHODES PLASTIC PRODUCTS INC., New York, N. Y.
Filed October 11, 1941. Serial No. 447,712. PUBLISHED JANUARY 20, 1942. Class 50.

394,302. MEN'S OUTER SHIRTS AND SLEEPING PAJAMAS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 13, 1941. Serial No. 447,728. PUBLISHED JANUARY 13, 1942. Class 39.

394,303. SECTION OF A MAGAZINE. LOOK, INC., Des Moines, Iowa.
Filed October 13, 1941. Serial No. 447,748. PUBLISHED JANUARY 6, 1942. Class 38.

394,304. ANTISEPTIC AND BACTERICIDAL PREPARATIONS. RIGIDTEST PRODUCTS, INC., Chicago, Ill.
Filed October 13, 1941. Serial No. 447,767. PUBLISHED JANUARY 13, 1942. Class 6.

394,305. WRITING PAPER AND ENVELOPES. THE RYTEX COMPANY, Indianapolis, Ind.
Filed October 15, 1941. Serial No. 447,827. PUBLISHED JANUARY 20, 1942. Class 37.

394,306. PERIODICAL. NORTH AMERICAN AVIATION, INC., Inglewood, Calif.
Filed October 16, 1941. Serial No. 447,849. PUBLISHED JANUARY 6, 1942. Class 38.

394,307. HAIR PREPARATION. LOUISE G. RAMSEY, doing business as Certin Hair Preparations, Gary, Ind.
Filed October 20, 1941. Serial No. 447,952. PUBLISHED JANUARY 13, 1942. Class 6.

394,308. PERFUMES. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed October 21, 1941. Serial No. 447,967. PUBLISHED JANUARY 13, 1942. Class 6.

394,309. MEN'S AND BOYS' SLACKS, SPORTS SHIRTS, COMBINATION SLACKS AND SHIRTS, SPORTS JACKETS, AND SHORTS. DAVID D. DONIGER & Co., New York, N. Y.
Filed October 21, 1941. Serial No. 447,977. PUBLISHED JANUARY 13, 1942. Class 39.

394,310. HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC., AND BITS AND TOOLS FOR USE THEREWITH. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed October 23, 1941. Serial No. 448,035. PUBLISHED JANUARY 20, 1942. Class 21.

394,311. HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC., AND BITS AND TOOLS FOR USE THEREWITH. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed October 23, 1941. Serial No. 448,036. PUBLISHED JANUARY 20, 1942. Class 21.

394,312. YARNS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 23, 1941. Serial No. 448,037. PUBLISHED DECEMBER 23, 1941. Class 43.

394,313. SKIN LOTION. THE AURORA PRODUCTS CORPORATION, Cleveland, Ohio.
Filed October 24, 1941. Serial No. 448,071. PUBLISHED JANUARY 13, 1942. Class 6.

394,314. WHITE DISTILLED VINEGAR, JELLY AND MARMALADE. DUFFY-MOTT COMPANY, INC., New York, N. Y.
Filed October 24, 1941. Serial No. 448,077. PUBLISHED JANUARY 20, 1942. Class 46.

394,315. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,143. PUBLISHED JANUARY 20, 1942. Class 1.

394,316. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,145. PUBLISHED JANUARY 20, 1942. Class 1.

394,317. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,146. PUBLISHED JANUARY 20, 1942. Class 1.

394,318. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,147. PUBLISHED JANUARY 20, 1942. Class 1.

394,319. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,148. PUBLISHED JANUARY 20, 1942. Class 1.

394,320. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,149. PUBLISHED JANUARY 20, 1942. Class 1.

394,321. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,150. PUBLISHED JANUARY 20, 1942. Class 1.

394,322. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,153. PUBLISHED JANUARY 20, 1942. Class 1.

394,323. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,156. PUBLISHED JANUARY 20, 1942. Class 1.

394,324. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,158. PUBLISHED JANUARY 20, 1942. Class 1.

394,325. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,159. PUBLISHED JANUARY 20, 1942. Class 1.

394,326. COTTON BATTING OR COTTON BATTS. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed October 27, 1941. Serial No. 448,160. PUBLISHED JANUARY 20, 1942. Class 1.

394,327. LAUNDRY STARCH AND STARCH USED AS A SIZING, BEING A STARCH FLOUR DERIVED FROM THE ROOTSTOCKS OF THE CASSAVA PLANT. YU-KA STARCH CORPORATION, Miami Beach, Fla.
Filed October 27, 1941. Serial No. 448,179. PUBLISHED JANUARY 13, 1942. Class 6.

394,328. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed October 28, 1941. Serial No. 448,195. PUBLISHED JANUARY 20, 1942. Class 46.

394,329. LADIES' UNDERWEAR—NAMELY, PANTIES. MORSE & MORSE, Los Angeles, Calif.
Filed October 28, 1941. Serial No. 448,200. PUBLISHED DECEMBER 23, 1941. Class 39.

394,330. FRICTION PAD FOR USE IN TIGHTENING OR LOOSENING PARTS THREADED OR OTHERWISE FRICTIONALLY HELD TOGETHER. CLARENCE E. CLEVELAND, Reading, Vt.
Filed October 29, 1941. Serial No. 448,218. PUBLISHED JANUARY 20, 1942. Class 50.

394,331. APRONS, RAINCOATS, AND MAKE-UP CAPES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed October 29, 1941. Serial No. 448,225. PUBLISHED DECEMBER 23, 1941. Class 39.

394,332. COMPOSITION OF POKE ROOT AND SALT PETRE FOR USE IN THE TREATMENT OF NON-CONTAGIOUS GARGET IN DAIRY COWS. DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt.
Filed October 31, 1941. Serial No. 448,285. PUBLISHED JANUARY 20, 1942. Class 6.

394,333. CAMERA ACCESSORIES—NAMELY, LENS SHADES, FILTER HOLDERS, LENS EXTENSION TUBES, FILTERS, LENS ADAPTORS AND SCIENTIFIC APPLIANCES. ENTECO CAMERA ACCESSORIES, New York, N. Y.
Filed October 31, 1941. Serial No. 448,288. PUBLISHED JANUARY 20, 1942. Class 26.

394,334. WOODEN COASTER SETS. CARL P. SOLLMANN, New York, N. Y.
Filed October 31, 1941. Serial No. 448,305. PUBLISHED JANUARY 20, 1942. Class 50.

394,335. WOOD ASH TRAYS AND PIPE RACKS. CARL P. SOLLMANN, New York, N. Y.
Filed October 31, 1941. Serial No. 448,306. PUBLISHED JANUARY 20, 1942. Class 8.

394,336. CHEROOTS. P. LORILLARD COMPANY, New York, N. Y.
Filed November 1, 1941. Serial No. 448,324. PUBLISHED JANUARY 20, 1942. Class 17.

394,337. NEWS COLUMNS AND SPECIAL ARTICLES APPEARING DAILY OR FROM TIME TO TIME. LEON M. PEARSON, Washington, D. C.
Filed November 1, 1941. Serial No. 448,332. PUBLISHED JANUARY 6, 1942. Class 38.

394,338. MEN'S OUTER SHIRTS. THE ELDER & JOHNSTON COMPANY, Dayton, Ohio.
Filed November 3, 1941. Serial No. 448,363. PUBLISHED DECEMBER 30, 1941. Class 39.

394,339. FLUSH TANK SILENCER APPLICABLE TO THE HUSH TUBE OF A FLUSH TANK. JANET M. BALES, doing business as Ampco Manufacturing Company, Hollywood, Calif.
Filed November 5, 1941. Serial No. 448,406. PUBLISHED JANUARY 20, 1942. Class 13.

394,340. PERFUMES. THE THEON COMPANY, INC., New York, N. Y.
Filed November 6, 1941. Serial No. 448,443. PUBLISHED JANUARY 13, 1942. Class 6.

394,341. MEN'S AND YOUNG MEN'S TOPCOATS. ROSE BROTHERS, New York, N. Y.
Filed November 7, 1941. Serial No. 448,460. PUBLISHED JANUARY 13, 1942. Class 39.

394,342. ALL COTTON, ALL RAYON, AND COMBINATIONS OF COTTON AND RAYON, COTTON AND ACETATE, RAYON AND ACETATE, AND RAYON AND WOOL FABRICS IN THE PIECE. THE ASPINOOK CORPORATION, Jewett City, Conn.
Filed November 12, 1941. Serial No. 448,543. PUBLISHED JANUARY 13, 1942. Class 42.

394,343. TOILET WATER, PERFUME, BATH POWDER, TALCUM POWDER, SACHET POWDER, AND BUBBLE FOAM POWDER. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed November 12, 1941. Serial No. 448,559. PUBLISHED JANUARY 13, 1942. Class 6.

394,344. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed November 13, 1941. Serial No. 448,597. PUBLISHED JANUARY 13, 1942. Class 42.

394,345. ARTIFICIAL LEATHER. STEDFAST RUBBER COMPANY, INC., Mattapan, Mass.
Filed November 13, 1941. Serial No. 448,625. PUBLISHED JANUARY 20, 1942. Class 50.

394,346. WOMEN'S SLIPS. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 14, 1941. Serial No. 448,632. PUBLISHED JANUARY 13, 1942. Class 39.

394,347. LOCAL ANESTHETICS. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y.
Filed November 14, 1941. Serial No. 448,648. PUBLISHED JANUARY 13, 1942. Class 6.

394,348. KNITTED OUTER JACKETS MADE OF WOOL, COTTON, RAYON AND OTHER FIBERS FOR MEN, BOYS, WOMEN, AND CHILDREN. UTICA KNITTING COMPANY, Utica, N. Y.
Filed November 14, 1941. Serial No. 448,664. PUBLISHED JANUARY 20, 1942. Class 39.

394,349. SYNTHETIC ORGANIC CHEMICAL USED AS AN ANTHELMINTIC OR VERMIFUGE AND URINARY ANTISEPTIC FOR ANIMALS AND POULTRY CONSISTING OF PHENOTHIAZINE AND EXCIPIENT. AMERICAN CHEMICAL COMPANY, INC., Chicago, Ill.
Filed November 17, 1941. Serial No. 448,687. PUBLISHED JANUARY 13, 1942. Class 6.

394,350. LOOSE LEAF BINDERS. WILSON JONES COMPANY, Chicago, Ill.
Filed November 19, 1941. Serial No. 448,774. PUBLISHED JANUARY 20, 1942. Class 37.

394,351. ANALGESIC-SEDATIVE TABLETS. CHARLES C. HASKELL & Co., INC., Richmond, Va.
Filed November 21, 1941. Serial No. 448,792. PUBLISHED JANUARY 20, 1942. Class 6.

394,352. CARPETS AND RUGS. ARTLOOM CORPORATION. Philadelphia, Pa.
Filed November 22, 1941. Serial No. 448,813. PUBLISHED JANUARY 13, 1942. Class 42.

394,353. CARPETS AND RUGS. ARTLOOM CORPORATION, Philadelphia, Pa.
Filed November 22, 1941. Serial No. 448,814. PUBLISHED JANUARY 13, 1942. Class 42.

394,354. PREPARATION USED IN HEART AFFECTIONS. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed November 22, 1941. Serial No. 448,819. PUBLISHED JANUARY 13, 1942. Class 6.

394,355. POLYVITAMIN TABLETS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed November 22, 1941. Serial No. 448,831. PUBLISHED JANUARY 13, 1942. Class 6.

394,356. NEWSPAPER SECTION OR DEPARTMENT. NEW YORK EVENING JOURNAL, INC., New York, N. Y.
Filed November 22, 1941. Serial No. 448,835. PUBLISHED JANUARY 20, 1942. Class 38.

394,357. PLASTICIZERS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va.
Filed November 22, 1941. Serial No. 448,841. PUBLISHED JANUARY 20, 1942. Class 6.

394,358. FLUSHING OIL. THE NATIONAL REFINING COMPANY, Cleveland, Ohio.
Filed November 24, 1941. Serial No. 448,870. PUBLISHED JANUARY 13, 1942. Class 15.

394,359. NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME. ORANGE-CRUSH COMPANY, Chicago, Ill.
Filed November 24, 1941. Serial No. 448,872. PUBLISHED JANUARY 20, 1942. Class 45.

394,360. PERFUMES, AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. BUSH AROMATICS, INC., New York, N. Y.
Filed November 25, 1941. Serial No. 448,900. PUBLISHED JANUARY 20, 1942. Class 6.

394,361. PERFUME AND TOILET WATER, FACE POWDER AND LIPSTICK. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y.
Filed November 25, 1941. Serial No. 448,906. PUBLISHED JANUARY 13, 1942. Class 6.

394,362. WRITING AND PRINTING PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed November 25, 1941. Serial No. 448,910. PUBLISHED JANUARY 20, 1942. Class 37.

394,363. PERFUME. MAURICE LEVY, doing business as Renoir Perfumer, New York, N. Y.
Filed November 26, 1941. Serial No. 448,946. PUBLISHED JANUARY 13, 1942. Class 6.

394,364. PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS. CLIFF C. OWEN, doing business as Owen Drug Products, Salisbury, N. C.
Filed November 26, 1941. Serial No. 448,948. PUBLISHED JANUARY 20, 1942. Class 6.

394,365. CANNED FISH. SARDAMACK FISHERIES, INC., Wilmington, Calif.
Filed November 26, 1941. Serial No. 448,955. PUBLISHED JANUARY 20, 1942. Class 46.

394,366. NEWSPAPER. THE CHICAGO SUN, Chicago, Ill.
Filed November 28, 1941. Serial No. 449,001. PUBLISHED JANUARY 20, 1942. Class 38.

394,367. TEXTILE SLIPCOVERS FOR UPHOLSTERED FURNITURE. THE COMFY MANUFACTURING COMPANY, Baltimore, Md.
Filed November 28, 1941. Serial No. 449,002. PUBLISHED JANUARY 20, 1942. Class 32.

394,368. PERFUME. GAMBOA, INC., New York, N. Y.
Filed November 28, 1941. Serial No. 449,006. PUBLISHED JANUARY 13, 1942. Class 6.

394,369. LAMPBLACK FOR USE AS A PAINT PIGMENT. THE L. MARTIN COMPANY, INC., New York, N. Y.
Filed November 28, 1941. Serial No. 449,012. PUBLISHED JANUARY 20, 1942. Class 16.

394,370. LAMPBLACK HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. THE L. MARTIN COMPANY, INC., New York, N. Y.
Filed November 28, 1941. Serial No. 449,013. PUBLISHED JANUARY 13, 1942. Class 6.

394,371. WHEAT FLOUR. MONTANA FLOUR MILLS COMPANY, Great Falls, Mont.
Filed November 28, 1941. Serial No. 449,015. PUBLISHED JANUARY 20, 1942. Class 46.

394,372. NICOTINAMIDE, NICOTINIC ACID, DIETHYLAMIDE, ACETYL-p-AMINOPHENOL SALICYLATE, DIGITALIN. SOCIEDAD ANONIMA DE PRODUCTOS QUIMICOS FK PARA INDUSTRIA Y FARMACIA, New York, N. Y.
Filed November 28, 1941. Serial No. 449,025. PUBLISHED JANUARY 13, 1942. Class 6.

394,373. MEDICATED SULPHUR SOAP FOR USE ON THE HUMAN SKIN. COSMATA, INC., Long Island City, N. Y.
Filed November 29, 1941. Serial No. 449,040. PUBLISHED JANUARY 20, 1942. Class 4.

394,374. OINTMENT FOR THE TREATMENT OF CUTANEOUS INFECTIONS. CHARLES C. HASKELL & Co. INC., Richmond, Va.
Filed November 29, 1941. Serial No. 449,047. PUBLISHED JANUARY 13, 1942. Class 6.

394,375. LIQUID AND PASTE PAINT, PAINT PRIMERS, PAINT ENAMELS, AND LACQUERS, AND VARNISHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed December 2, 1941. Serial No. 449,100. PUBLISHED JANUARY 20, 1942. Class 16.

394,376. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed December 2, 1941. Serial No. 449,101. PUBLISHED JANUARY 20, 1942. Class 16.

394,377. SUBSTANCES CAUSING CELLULAR STIMULATION, HORMONES, AND PREPARATIONS CONTAINING HORMONES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed December 2, 1941. Serial No. 449,105. PUBLISHED JANUARY 13, 1942. Class 6.

394,378. PREPARATIONS FOR TREATMENT OF CONDITIONS RESULTING FROM METABOLIC DEFICIENCIES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed December 2, 1941. Serial No. 449,106. PUBLISHED JANUARY 13, 1942. Class 6.

394,379. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed December 3, 1941. Serial No. 449,128. PUBLISHED JANUARY 13, 1942. Class 6.

394,380. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, ETC. COTY, INC., New York, N. Y.
Filed December 3, 1941. Serial No. 449,129. PUBLISHED JANUARY 13, 1942. Class 6.

394,381. SCALP LOTION AND SHAMPOO. BENFU LOTION CO., New York, N. Y.
Filed December 5, 1941. Serial No. 449,201. PUBLISHED JANUARY 13, 1942. Class 6.

394,382. CHEESE SPREAD. NEWARK CHEESE CO., INC., New York, N. Y.
Filed December 5, 1941. Serial No. 449,209. PUBLISHED JANUARY 20, 1942. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

394,383. (CLASS 39. CLOTHING.) JACOB JAFFE, doing business as Jaffe Bros., Philadelphia, Pa. Filed Nov. 23, 1938. Serial No. 413,071.

TRU-KOOL

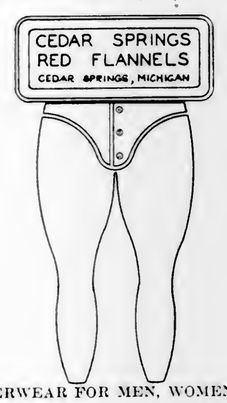
FOR MEN'S SUITS, VESTS, AND PANTS.
Claims use since Nov. 5, 1938.

394,384. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES AUGUSTUS SAMS, Schenectady, N. Y. Filed Oct. 31, 1939. Serial No. 425,102.

KEEN KEEN

FOR ELECTRIC RAZOR SHARPENERS.
Claims use since June 1, 1939.

394,385. (CLASS 39. CLOTHING.) JOHN R. POLLOCK, Cedar Springs, Mich. Filed Feb. 17, 1940. Serial No. 428,662.



FOR UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 14, 1940.

394,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 21, 1940. Serial No. 435,201.

DIVERSEY DISC DIP

FOR DISINFECTANT COMPOUND IN POWDERED FORM, HAVING INCIDENTAL CLEANSING PROPERTIES, FOR DISINFECTING AND CLEANING RECEPTACLES AND CONTAINERS.
Claims use since July 10, 1940.

394,387. (CLASS 39. CLOTHING.) LITT AND COMPANY, New York, N. Y. Filed Nov. 8, 1940. Serial No. 437,687.

Dudley INFORMAL

FOR LADIES' DRESSES.
Claims use since Sept. 19, 1940.

394,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Nov. 22, 1940. Serial No. 438,165.

BREAST O'TUNA

FOR CANNED TUNA FISH.
Claims use since Nov. 6, 1940.

394,389. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE ERNST, doing business as Ernst Water Column & Gage Co., Livingston, N. J. Filed Jan. 22, 1941. Serial No. 439,859.

Better-C

FOR LIQUID LEVEL GAGES, GAGE GLASSES, PACKING FOR LIQUID LEVEL GAGES, AND GUARDS FOR GAGE GLASSES.
Claims use since Jan. 15, 1941.

394,390. (CLASS 39. CLOTHING.) JOHN C. WARD, Baltimore, Md. Filed Jan. 23, 1941. Serial No. 439,912.

PRO-TEX URE-BAK

FOR COATS AND JACKETS FOR THE USE OF MEN AND WOMEN AND BOYS AND GIRLS.
Claims use since Jan. 18, 1941.

394,391. (CLASS 38. PRINTS AND PUBLICATIONS.) PRINCESS PECANS, INC., Camilla, Ga. Filed Jan. 27, 1941. Serial No. 440,022.

Anne Howe

FOR A WEEKLY PUBLICATION OF RECIPES FOR VARIOUS FOOD DISHES.
Claims use since Nov. 1, 1940.

394,392. (CLASS 39. CLOTHING.) THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Feb. 3, 1941. Serial No. 440,265.

Man-Topper

FOR WOMEN'S COATS AND SUITS.
Claims use since October, 1940.

394,393. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE SHELBY CYCLE COMPANY, Shelby, Ohio. Filed Feb. 3, 1941. Serial No. 440,271.

SHELBY
Safe-T-Bike

FOR BICYCLE.
Claims use since Jan. 11, 1941.

394,394. (CLASS 39. CLOTHING.) BOND NOVELTY CO. INC., New York, N. Y. Filed Feb. 11, 1941. Serial No. 440,537.

Judy Bond

FOR LADIES' BLOUSES.
Claims use since Feb. 1, 1941.

394,395. (CLASS 39. CLOTHING.) DOROTHY HOBBS, INC., New York, N. Y. Filed Feb. 20, 1941. Serial No. 440,816.

Dorothy Hobbs

FOR DRESSES, COATS, SKIRTS, SWEATERS, WAISTS FOR WOMEN AND MISSES.
Claims use since Feb. 4, 1941.

394,396. (CLASS 38. PRINTS AND PUBLICATIONS.) AUTOMOTIVE FACT FINDER CO., Los Angeles, Calif. Filed Feb. 21, 1941. Serial No. 440,847.

Automotive Fact Finder

FOR A CHART SHOWING A COMPILATION OF PERTINENT FACTS RELATIVE TO THE AUTOMOTIVE INDUSTRY.
Claims use since Dec. 15, 1940.

394,397. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. M. FLEISCHMANN DISTILLING CORP., Lansdowne and Baltimore, Md. Filed Feb. 25, 1941. Serial No. 440,983.

WOODVALE

FOR WHISKEY.
Claims use since Dec. 28, 1940.

394,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOLEITH, INC., Chicago, Ill. Filed Feb. 27, 1941. Serial No. 441,046.

TAN-EEZY

FOR PREPARATION FOR APPLICATION TO THE HUMAN BODY TO REDUCE SUN BURNING AND TO ACCELERATE SUN TANNING.
Claims use since Dec. 2, 1940.

394,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York. N. Y. Filed Mar. 28, 1941. Serial No. 442,040.

Chantilly

FOR PERFUME AND TOILET WATER.
Claims use since Feb. 10, 1941.

394,400. (CLASS 5. ADHESIVES.) R. N. NASON & Co., San Francisco, Calif. Filed Mar. 28, 1941. Serial No. 442,047.

PAP-R-MASK

FOR ADHESIVE OF LOW TENSION FOR USE IN PRODUCING STENCILED DESIGNS.
Claims use since July 1, 1932.

394,401. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARK J. FULLER, Villa Park, Ill. Filed Apr. 8, 1941. Serial No. 442,393.

SCREEN TEST

FOR ELECTRICAL APPARATUS PARTICULARLY DESIGNED FOR TAKING SCREEN TESTS OF THEATRE PATRONS, AND INCLUDING AN AUTOMATIC CAMERA.
Claims use since May 15, 1940.

394,402. (CLASS 39. CLOTHING.) COHN BROS. DRESSES, INC., Boston, Mass. Filed May 9, 1941. Serial No. 443,401.

BRYNA Lee

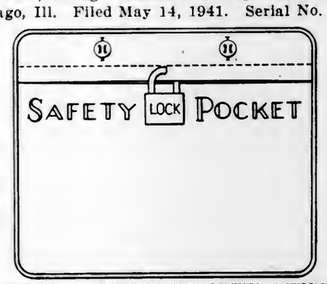
FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKETS.
Claims use since September, 1940.

394,403. (CLASS 32. FURNITURE AND UPHOLSTERY.) TRANS-MARINE TRADING & GENERAL PATENT CORP., New York, N. Y. Filed May 12, 1941. Serial No. 443,521.

MULTIFORM DISPLAYS

FOR DISPLAY STANDS.
Claims use since January, 1941.

394,404. (CLASS 39. CLOTHING.) JOSEPH W. YAGODNIK, doing business as Yagodnik Pants Co., Chicago, Ill. Filed May 14, 1941. Serial No. 443,590.



FOR MEN'S COATS, MEN'S JACKETS, MEN'S VESTS, AND MEN'S PANTS OR TROUSERS.
Claims use since Dec. 5, 1940.

394,405. (CLASS 39. CLOTHING.) FREE-ACTION BACK COMPANY, Philadelphia, Pa. Filed May 22, 1941. Serial No. 443,809.

FREE ACTION BACK

FOR MEN'S UNIFORMS—NAMELY, ARMY, NAVY, MARINE, POLICE, FIREMAN, BUS DRIVERS, PARADE, BANDS, AND HOTELS; WOMEN'S UNIFORMS—NAMELY, DRIVERS, NURSES, AND STEWARDESSES.
Claims use since October, 1937.

394,406. (CLASS 47. WINES.) SUPREME WINE CO., INC., Boston, Mass. Filed May 26, 1941. Serial No. 443,960.



FOR WINES.
Claims use since May 7, 1936.

394,407. (CLASS 38. PRINTS AND PUBLICATIONS.) BOOK AGENTS OF THE METHODIST EPISCOPAL CHURCH, SOUTH, doing business as Abingdon-Cokesbury Press, Nashville, Tenn. Filed May 29, 1941. Serial No. 444,036.

ABINGDON-COKESBURY PRESS

FOR BOOKS, PAMPHLETS AND MAGAZINES.
Claims use since September 1, 1940.

394,408. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) COHN & ROSENBERGER INC., New York, N. Y. Filed June 11, 1941. Serial No. 444,399.

CLIP-EASE

FOR NECKLACES, AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since January, 1941.

394,409. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) B. F. AVERY & SONS COMPANY, Louisville, Ky. Filed June 16, 1941. Serial No. 444,559.

TRU-DRAFT

FOR TRACTORS AND TRACTOR DRAWN AGRICULTURAL IMPLEMENTS—NAMELY, PLOWS, MOWERS, WEEDERS, CULTIVATORS, PLANTERS, FERTILIZER DISTRIBUTORS, MIDDLEBURSTERS, AND BEDDERS.
Claims use since Aug. 15, 1940.

394,410. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) B. F. AVERY & SONS COMPANY, Louisville, Ky. Filed June 16, 1941. Serial No. 444,560.

------TRU-DRAFT------

FOR TRACTORS AND TRACTOR DRAWN AGRICULTURAL IMPLEMENTS—NAMELY, PLOWS, MOWERS, WEEDERS, CULTIVATORS, PLANTERS, FERTILIZER DISTRIBUTORS, MIDDLEBURSTERS, AND BEDDERS.
Claims use since Aug. 15, 1940.

394,411. (CLASS 43. THREAD AND YARN.) J. & J. MCCALLUM, LIMITED, Manchester, England, and Paisley, Scotland. Filed Aug. 26, 1941. Serial No. 446,548.

McCALLUM DYED

FOR YARNS OF NATURAL OR ARTIFICIAL TEXTILE FIBRES AND MIXTURES THEREOF.
Claims use since January, 1931.

394,412. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DUGGAN'S LTD., Jersey City, N. J. Filed Aug. 29, 1941. Serial No. 446,651.

Sabina

FOR RUM.
Claims use since November, 1940.

394,413. (CLASS 39. CLOTHING.) SOLOMON MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 19, 1941. Serial No. 447,196.

Claire Curtis

FOR WOMEN'S AND GIRLS' WEARING APPAREL—NAMELY, JUNIOR DRESSES IN COTTONS, RAYONS, SILKS, AND WOOLS FOR STREET AND SPORTS WEAR.
Claims use since Feb. 1, 1941.

394,414. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) HENRY C. PFINGST, Louisville, Ky. Filed Oct. 13, 1941. Serial No. 447,760.

Snuf-lite

FOR ASH TRAYS.
Claims use since January, 1941.

394,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "DRI-GAS" FIRE EXTINGUISHER CO., Lake City, Fla. Filed Oct. 15, 1941. Serial No. 447,799.

"Dri-Gas"

FOR FIRE EXTINGUISHING CHEMICALS.
Claims use since 1938.

394,416. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ACME SHEAR COMPANY, Bridgeport, Conn. Filed Nov. 22, 1941. Serial No. 448,811.

KLEENCUT

FOR SCISSORS, SHEARS, AND WEAVERS' SNIPPERS.
Claims use since March, 1920.

394,417. (CLASS 38. PRINTS AND PUBLICATIONS.) COLTON PRESS, INC., New York, N. Y. Filed Nov. 24, 1941. Serial No. 448,854.

ADVERTISING AND PUBLISHING
Production Yearbook
THE REFERENCE MANUAL OF THE GRAPHIC ARTS

FOR PUBLICATIONS COMPRISING REFERENCE MANUAL OF THE GRAPHIC ARTS, PUBLISHED ANNUALLY.
Claims use since 1934.

394,418. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK H. HOLLMANN, Warrenton, Mo. Filed Nov. 27, 1941. Serial No. 448,971.

AMERICAN Rabbit JOURNAL

FOR A PERIODICAL.
Claims use since June 1, 1931.

394,419. (CLASS 39. CLOTHING.) YUNKER BROTHERS, New York, N. Y. Filed Dec. 3, 1941. Serial No. 449,165.

YOUNG TOGS

FOR INFANTS' WEAR—NAMELY, OVERALLS, GIRLS' SUITS, BOYS' SUITS, SKI PANTS.
Claims use since Jan. 1, 1940.

394,420. (CLASS 39. CLOTHING.) LAROS TEXTILES COMPANY, Bethlehem, Pa. Filed Dec. 8, 1941. Serial No. 449,282.

"DIMENSIONAL"

FOR WOMEN'S SLIPS.
Claims use since Aug. 15, 1938.

394,421. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMPO SHOE MACHINERY CORPORATION, Boston, Mass. Filed Dec. 13, 1941. Serial No. 449,445.

COMPO
Cadhesives make the better shoes

FOR CHEMICAL PREPARATION USED AS SHOE CEMENT SOFTENER.
Claims use since Aug. 30, 1940.

394,422. (CLASS 39. CLOTHING.) KROYWEN COATS, New York, N. Y. Filed Dec. 31, 1941. Serial No. 449,906.

Orkney Tweed

FOR LADIES' COATS.
Claims use since Dec. 1, 1940.

394,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Jan. 2, 1942. Serial No. 449,960.

NOFUME

FOR EMBALMING FLUID.
Claims use since December, 1939.

394,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Jan. 2, 1942. Serial No. 449,962.

SPOT-OUT

FOR COSMETICS—NAMELY, A BLEMISH COVERER PARTICULARLY ADAPTED FOR USE IN THE EMBALMING TRADE.
Claims use since Jan. 1, 1941.

394,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN & HOWE, Yuma, Ariz. Filed Jan. 30, 1942. Serial No. 450,580.

Allen

FOR FRESH MELONS AND FRESH VEGETABLES.
Claims use since June, 1935.

TRADE-MARK REGISTRATIONS RENEWED

20,852. **PYRALIN.** A MATERIAL COMPOSED WHOLLY OR IN PART OF PYROXYLINE OR ITS COMPOUNDS. Registered March 15, 1892. THE ARLINGTON MANUFACTURING COMPANY, Arlington, N. J., and New York, N. Y. Re-renewed March 15, 1942, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

149,169. **LASTIKNIT.** UNDERWEAR—NAMELY, OF KNITTED AND TEXTILE FABRIC—FOR MEN, WOMEN, AND CHILDREN, AND HOSIERY. Registered December 6, 1921. ISRAEL M. MIRSKY, Milwaukee, Wis. Renewed December 6, 1941, to James Irving, Des Plaines, Ill., successor.

151,112. **KING OF ALL.** HOSIERY. Registered January 24, 1922. DAISY WHITEHEAD KNITTING CO. Renewed January 24, 1942, to Joseph A. Sacks, doing business as Daisy Whitehead Knitting Co., New York, N. Y., successor.

152,255. **ST. ANTHONY'S POLAR SALVE.** SALVE. Registered February 21, 1922. POLAR SALVE COMPANY, New York, N. Y. Renewed February 21, 1942, to Polar Salve Company, Randolph, Mass., a firm.

152,420. **DURBAR.** LATHER BRUSHES. Registered February 28, 1922. THE HARDRIGHT COMPANY. Renewed February 28, 1942, to The Hardright Corporation, Belleville, N. J., a corporation of New Jersey, successor.

152,496. **C S AUTOMATIC.** CERTAIN VALVES, AND SIPHONS, COCKS, AND METAL TUBES, PIPING, PIPE FITTINGS, AND FLEXIBLE TUBING. Registered February 28, 1922. CARL SCHNEIDER, Nutley, N. J. Renewed February 28, 1942, to Carl Schneider, Newfield, N. J.

152,747. **LUSTRE.** MATCHES. Registered March 7, 1922. THE DIAMOND MATCH COMPANY, Chicago, Ill. Renewed March 7, 1942, to The Diamond Match Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

153,049. **"RUFF STUFF".** SANDPAPER. Registered March 7, 1922. WAUSAU ABRASIVES COMPANY, Wausau, Wis. Renewed March 7, 1942, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware, assignee.

153,053. **LUBALOY.** NONFOULING BULLETS. Registered March 7, 1922. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill. Renewed March 7, 1942, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

153,054. **LUBALOY.** NONFOULING BULLETS. Registered March 7, 1922. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill. Renewed March 7, 1942, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

153,193. **RED SEAL.** ALFALFA SEED. Registered March 14, 1922. HAIRY PERUVIAN ALFALFA SEED GROWERS ASSOCIATION, Yuma, Ariz. Renewed March 14, 1942, to Northrup, King & Co., Minneapolis, Minn., a corporation of Minnesota, assignee.

153,772. **DE-RAEF.** WEIGHING SCALES. Registered March 28, 1922. N. A. KENNEDY SUPPLY CO. Renewed March 28, 1942, to De-Raef Corporation, Kansas City, Mo., a corporation of Missouri, successor.

153,828. **ATCO.** LAWN MOWERS. Registered March 28, 1922. CHARLES H. PUGH LIMITED, Birmingham, England, a corporation of Great Britain. Renewed March 28, 1942.

153,870. **PARMO.** PETROLATUM. Registered March 28, 1922. STANDARD OIL COMPANY, (Incorporated in New Jersey), Bayonne, N. J., and New York, N. Y. Renewed March 28, 1942, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

153,988. **CHERRY BLOSSOMS.** NONALCOHOLIC, NONCEREAL, MALTLESS FRUIT JUICE BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered April 4, 1922. CHERRY BLOSSOM MFG. CO., Newton, Iowa. Renewed April 4, 1942, to Cherry Blossom Manufacturing Company, St. Louis, Mo., a corporation of Iowa.

154,149. **FAIRLOOM.** SILKS IN THE PIECE—NAMELY, TAFFETA, MESSALINE, CRÊPE DE CHINE, AND CRÊPE. Registered April 4, 1922. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed April 4, 1942.

154,213. **AGAR.** CORRUGATED SHIPPING CONTAINERS. Registered April 11, 1922. AGAR MANUFACTURING CORPORATION, Brooklyn, N. Y. Renewed April 11, 1942, to International Paper Company, New York, N. Y., a corporation of New York, assignee.

154,368. **TRILOCK.** DIMENSION GAUGES AND ATTACHMENTS THEREFOR. Registered April 11, 1922. PRATT & WHITNEY COMPANY, New York, N. Y. Renewed April 11, 1942, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey, assignee.

154,393. **WYROL.** A MINERAL OIL. Registered April 11, 1922. STANDARD OIL COMPANY, (Incorporated in New Jersey), Bayonne, N. J., and New York, N. Y. Renewed April 11, 1942, to Stanco Incorporated, New York N. Y., a corporation of Delaware, assignee.

154,967. **HENDERSON E Z.** PIPE-BENDING TOOLS. Registered May 16, 1922. ROBERT H. HENDERSON, doing business as Henderson Electric Co., Ampere, N. J. Renewed May 16, 1942.

154,999. **INVESTMENT ANTIQUE.** WRITING PAPER. Registered May 16, 1922. E. E. LLOYD PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 16, 1942.

155,052. **CLOVER LEAF.** MANILA ROPE. Registered May 16, 1922. THE PORTLAND CORDAGE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed May 16, 1942.

155,468. **MAURICE A. KNIGHT.** ACID-PROOF CHEMICAL STONEWARE. Registered May 30, 1922. MAURICE A. KNIGHT, East Akron, Ohio. Renewed May 30, 1942, to Maurice A. Knight, Akron, Ohio.

155,508. **BLACK AND WHITE.** A TOILET PREPARATION—VIZ, A FACE BLEACH. Registered May 30, 1922. PLOUGH CHEMICAL COMPANY. Renewed May 30, 1942, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

155,597. **REPRESENTATION OF A CROSS-MARK.** METAL POLISH. Registered June 6, 1922. AMERICAN METAL POLISH CO., Somerville, Mass. Renewed June 6, 1942, to American Metal Polish Corporation, Boston, Mass., a corporation of Massachusetts, assignee.

155,728. **E-Z.** A CHEMICALLY TREATED CLOTH FOR POLISHING METALS, HARD RUBBER, AND GLASS. Registered June 6, 1922. CHARLES FRANKLIN JAMESON, Boston, Mass. Renewed June 6, 1942, to C. F. Jameson, Haverhill, Mass.

155,992. **RED-WHITE-BLUE.** LAWN-GRASS SEED. Registered June 13, 1922. JOHN OLIVER JOHNSON. Renewed June 13, 1942, to J. Oliver Johnson Seed Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

156,605. **91.** SCISSORS AND SHEARS. Registered July 11, 1922. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed July 11, 1942.

156,664. **THREE E.** DISCONNECTING SWITCHES, LIGHTNING ARRESTERS, AND CHOKE COILS. Registered July 11, 1922. ELECTRICAL ENGINEERS EQUIPMENT COMPANY, Chicago, Ill. Renewed July 11, 1942, to Electrical Engineers Equipment Company, Melrose Park, Ill., a corporation of Illinois.

156,669. **MERCOID.** CERTAIN NAMED CIRCUIT-CONTROLLING AND PRESSURE-CONTROLLING DEVICES AND MERCURY TUBES. Registered July 11, 1922. THE FEDERAL GAUGE COMPANY. Renewed July 11, 1942, to The Mercoid Corporation, Chicago, Ill., a corporation of Delaware, assignee.

156,946. **DIANA.** FRESH DECIDUOUS FRUITS, DRIED FRUITS, AND GRAPE SIRUP FOR FOOD PURPOSES. Registered July 18, 1922. LORENZO ZERILLO, Healdsburg, Calif. Renewed July 18, 1942, to Riverbank Canning Company, Riverbank, Calif., a corporation of California, successor.

156,995. **2 IN 1.** CANVAS TENTS AND CANVAS COVERS USED FOR COVERING MERCHANDISE, TRUCKS, AND HORSES AND SIMILAR PURPOSES. Registered July 25, 1922. BARNETT CANVAS GOODS & BAG CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 25, 1942.

157,016. **BUCKEYE.** BEARINGS AND BUSHINGS. Registered July 25, 1922. THE BUCKEYE BRASS AND MANUFACTURING CO., Cleveland, Ohio, a corporation of Ohio. Renewed July 25, 1942.

157,453. **"HIT'EM".** NAILS AND TACKS. Registered August 8, 1922. THE AUTO-VEHICLE PARTS COMPANY, Cincinnati, Ohio. Renewed August 8, 1942, to The Auto-Vehicle Parts Company, Newport, Ky., a corporation of Ohio.

157,464. **MOTOR SERVICE.** PERIODICALS PUBLISHED MONTHLY. Registered August 8, 1922. AMBROSE BOWYER, Chicago, Ill. Renewed August 8, 1942.

157,646. **LA ROSE POMPON.** SOAPS. Registered August 15, 1922. A. BOURJOIS & CO. INC. Renewed August 15, 1942, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

157,661. **BUCKEYE.** CERTAIN NAMED SOAP AND CLEANSERS. Registered August 15, 1922. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed August 15, 1942.

157,662. **DYSCO.** WET-CLEANING SOAP. Registered August 15, 1922. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed August 15, 1942.

157,681. **HEIDELBERGER PHILYMADE SWEETS.** CANDIES. Registered August 15, 1922. HEIDELBERGER CONFECTIONERY CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 15, 1942.

157,714. **BREADLAC.** POWDERED MILK. Registered August 15, 1922. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed August 15, 1942, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

157,724. **NESTLÉ'S EVERY DAY.** ICE CREAM. Registered August 15, 1922. NESTLÉ'S FOOD COMPANY, INC. Renewed August 15, 1942, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

157,743. **SWEEPRITE.** SWEEPING COMPOUND. Registered August 15, 1922. THE PIONEER MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed August 15, 1942.

157,792. **REPRESENTATIONS OF BRANCHES OF FLOWERS.** SOAPS. Registered August 15, 1922. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 15, 1942.

157,985. **IMPACO.** WRITING PAPER. Registered August 22, 1922. IMPORT PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 22, 1942.

157,986. **PLATINUM.** WRITING PAPER. Registered August 22, 1922. IMPORT PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 22, 1942.

158,096. **"MARIE ANTOINETTE".** TOOTHBRUSHES. Registered August 22, 1922. E. T. SLATTERY COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed August 22, 1942.

158,117. **TREADWELL.** CERTAIN NAMED MACHINERY. Registered August 22, 1922. TREADWELL ENGINEERING COMPANY, Easton, Pa., a corporation of Pennsylvania. Renewed August 22, 1942.

REISSUES

MARCH 31, 1942

22,056

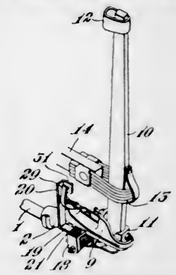
PICKER CHECK FOR LOOMS

Harold Hoeber, South Dartmouth, and Alfred F. Jacob, North Adams, Mass., assignors to Textile Research Company, Boston, Mass., a corporation of Massachusetts

Original No. 2,263,923 dated November 25, 1941, Serial No. 311,154, December 27, 1939. Application for reissue January 9, 1942, Serial No. 426,191

3 Claims. (Cl. 139—169)

1. In a loom of the kind wherein the picker stick is carried by a rocker resting upon a rocker stand, and having means tending to swing the picker stick oppositely to its shuttle picking movement, the rocker having a toe portion which rises as the picker rocks in response to impact of the shuttle, in combination a picker check device mounted on the rocker stand and comprising a check lever having a downwardly inclined cam arm which lies in the path of and which is engageable by the toe of the rocker as the latter rises, an open-coiled helical-twist spring normally urging said check arm toward the toe of the rocker, and stop means operative to determine the normal position of the check arm.



PATENTS

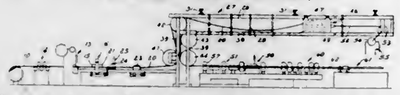
GRANTED MARCH 31, 1942

2,277,658

APPARATUS FOR ACCUMULATING AND CONTROLLING LOOPS IN CONTINUOUS STRIPS

James L. Anderson, Closter, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application March 20, 1940, Serial No. 324,974
5 Claims. (Cl. 271—2.1)



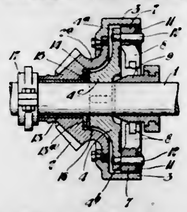
3. Apparatus for accumulating a loop in a continuous strip from between two substantially alined, generally horizontal runs of the strip with the use of a minimum of space at the level of said horizontal runs, said apparatus comprising lower rolls around which upwardly and downwardly extending runs of the strip turn from and to said horizontal runs, upper rolls at an elevated level above said lower rolls and around which the upwardly and downwardly extending runs turn to and from a horizontally extending loop, a horizontal frame located at an elevated level spaced above one of said horizontal runs of strip, a carriage movable along the frame toward and from said upper rolls, a roller on the carriage around which the strip passes with a reverse bend to form the horizontally extending loop, and means urging the carriage along the horizontal frame toward the end of the frame away from the upper rolls to accumulate a longer length of strip.

2,277,659

FRICTION DRIVE

Tony Bokich, Gary, Ind.

Application June 20, 1940, Serial No. 341,539
2 Claims. (Cl. 192—78)



1. A friction drive of the type including an open ended drum providing an internal cylindrical face, a mount assembly inside the drum rotatively free therefrom and with radial parts providing surfaces facing the open end of the drum spaced therefrom, shoes radially positioned by the assembly laterally against said surfaces with external cylindrical faces for engaging the drum face and cams between the ends of the shoes for forcing them apart so their faces frictionally engage the drum face, said mount assembly being featured by posts extending laterally from said surfaces inside the shoes to beyond their outer sides and a ring plate mounted by said posts outside of the shoes and which extends from the drum periphery radially inwardly to positively retain the shoes and cams in position against movement away from said surfaces, the ring plate being rotatively fixed respecting the mount assembly and the cams being mounted by pivot pins extending laterally from said surfaces with their outer ends engaged and supported by the ring plates, the drum and the mount assembly both being mounted on a common shaft and each having hub parts respectively provided with interengaging thrust bearing rings, the latter being each fixed to its hub part in an immovable manner so the sliding action is limited to between the bearing surfaces of the bearing rings.

2,277,660

PROCESS FOR PRESERVING WOOD

Ernest R. Boller, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 21, 1939, Serial No. 257,587
6 Claims. (Cl. 21—37)

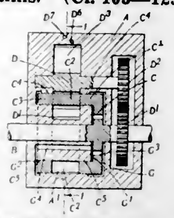
1. In a process for the preservation of wood and similar fibrous cellulosic materials in which the fibers are impregnated with an aqueous solution containing zinc ions and anions of an acid of arsenic the method of fixing the zinc and arsenic in the fibers of the material which comprises heating the impregnated material while containing water in excess of the fiber saturation point under conditions such that a substantial portion of the impregnated material is heated to a temperature of at least about 220° F. for at least about one-half hour said heating being effected with the material out of contact with impregnating solution containing zinc or arsenic.

2,277,661

ROTARY FLUID PRESSURE MOTOR, PUMP, AND THE LIKE

Melville Bertram Booth, Allesley, England, assignor to The Keelavite Company Limited, Coventry, England, a company of Great Britain

Application January 19, 1939, Serial No. 251,669
In Great Britain June 4, 1937
6 Claims. (Cl. 103—125)



1. A rotary engine including in combination a casing containing an annular blade chamber provided with inlet and outlet means including at least one inlet port and one outlet port spaced apart along said blade chamber, a rotor comprising an axially extending annular flange, said flange having circumferentially inner and outer cylindrical sealing surfaces, blades extending axially from the edge of such flange across the blade chamber and making a sealing fit with the inner and outer circumferential walls of the blade

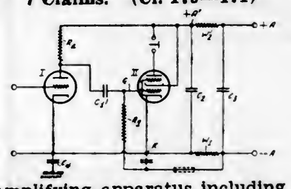
chamber relatively to which the rotor rotates about the axis of the blade chamber, and a ring uniting the ends of the blades remote from the flange and having unbroken circumferentially inner and outer cylindrical sealing surfaces, sealing surfaces in the casing making an effective fluid seal with said sealing surfaces of the ring and flange, fluid pressure balancing chambers at the axially remote ends of said sealing surfaces communicating with each other and containing fluid under substantially the same pressure thereby subjecting said sealing surfaces to substantially the same fluid pressure at their axially remote ends and tending to resist leakage from the blade chamber along said sealing surfaces, and a rotary abutment device for said blade chamber located between said inlet and outlet ports and having means to provide for passage of a blade while maintaining at all times a seal at that part of the blade chamber.

2,277,662

AMPLIFIER

Hans Dubberke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application January 4, 1939, Serial No. 249,238
In Germany January 19, 1938
7 Claims. (Cl. 179—171)



6. In amplifying apparatus including a utilizing device and an amplifier tube, said amplifier tube being provided with an anode, a cathode and a grid electrode, a four arm balanced bridge circuit, one of the arms thereof including an impedance and a condenser in series, an arm adjacent said first arm including an impedance element, the other arm adjacent said first arm including a condenser shunted by a circuit including the utilizing device and said amplifier tube in series, the arm opposite the first named arm of the bridge including an impedance element, a source of fluctuating direct current potential connected between a point common to said first named arm and said second named adjacent arm and a point common to said first named adjacent arm and said opposite arm, a driver stage for said tube including an electronic tube having an anode, a cathode and a signal grid, and means including said first named condenser for connecting the anode of said last named tube to the signal grid of the first named tube.

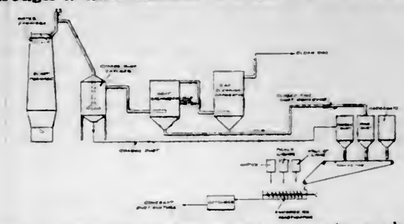
2,277,663

RECLAMATION OF THE FINE DUST FROM BLAST FURNACES USING MANGANESE ORES

Charles B. Francis, Pittsburgh, and Lawrence E. Riddle, Duquesne, Pa.

Continuation of application Serial No. 249,156, January 3, 1939. This application September 18, 1940, Serial No. 357,320
25 Claims. (Cl. 75—25)

1. A process for separating the finely divided solids from gases produced by blast furnaces making iron-manganese alloys, which process includes introducing water into the furnace top gases to cool them to a constant range of temperature above the dehydration temperature of the solids, conducting the dust-bearing gases through a dust catcher to separate the coarser



dust, cooling the gases to a temperature above the dew point of the gas where the solids begin to absorb water and carbon dioxide from the gas, then separating the dust by known devices.

2,277,664

ZINC PLATING FERROUS ARTICLES

Richard O. Hull, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 26, 1938, Serial No. 242,573
5 Claims. (Cl. 204—55)

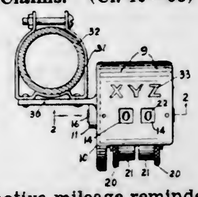
1. In a process for zinc plating cleaned ferrous articles upon which the hydrogen overvoltage is so low as to interfere with the electrodeposition of zinc from a cyanide-zinc bath, the steps comprising treating such an article for not substantially less than five minutes with an aqueous solution containing from about ten to thirty ounces per gallon of sodium cyanide, the solution being maintained at a temperature not substantially lower than about 65° C. and the time of treatment being sufficient solely by reason of such treatment to raise the hydrogen overvoltage to a point such that satisfactory zinc deposition can be effected, then without removing the cyanide from the said article introducing it into a cyanide-zinc plating bath and electroplating thereon a deposit of zinc.

2,277,665

AUTOMOTIVE MILEAGE REMINDER OF THE DRUM TYPE

Louis Illmer, Cortland, N. Y.

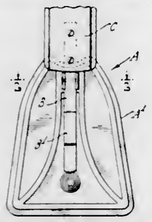
Application June 8, 1940, Serial No. 339,536
2 Claims. (Cl. 40—68)



1. An automotive mileage reminder adapted to be operatively carried within the driver's reach by a steering gear constituent and which reminder is provided with a cup-shaped housing comprising a cylindrically incomplete skirt component and a transverse head component, the skirt perimeter having a single arcuate finger-receiving access gap therethrough of which a marginal region opens alongside said head and further having a separated sight hole located in a substantially opposed relation to the arcuate length of said gap within the driver's line of vision, a centralized stanchion overhangingly erected upon

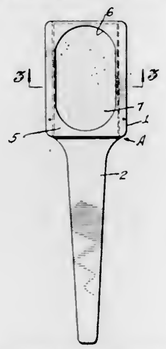
said head to project axially into the skirt interior, and a manipulative drum rotatably mounted upon said stanchion and the diametral size of which drum is kept smaller than the skirt bore and wholly confined therein, the perimeter of said drum having a series of digits disposed therealong of which certain digits remain masked behind a completed skirt portion to selectively shift into visible registry with said sight hole when the drum is rotated by entering a finger through said access gap and which gap is kept substantially concealed from interfering visional perception of the driver.

2,277,666
SPLASH GUARD
Walter C. Jackson, Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation, a corporation of New Jersey
Application June 28, 1940, Serial No. 342,948
13 Claims. (Cl. 280—154.5)



1. A fender splash guard adapted to be secured to a stand holding clip depending from the fender and including, in combination, a flexible apron and means for securing the apron to the clip, said means comprising an integral device having two legs presenting grooves wherein the edges of the clip engage, said device being secured to the apron in such manner that the two legs thereof which engage the clip emerge perpendicularly from a surface of the apron.

2,277,667
PATTERN MARKER
Maude Rogers, San Gabriel, Calif.
Substituted for abandoned application Serial No. 92,353, July 24, 1936. This application February 8, 1939, Serial No. 255,317
6 Claims. (Cl. 282—29)

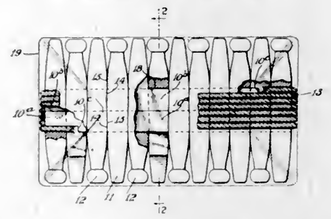


1. A pattern marker comprising a thin, solid, flat, substantially rectangular back plate having a flat elongate handle lying in a common plane with said back plate; a thin, flat frame member bordering said back plate and defining a central opening having beveled edges; and spacing means adjacent portions of the periphery of said back plate to space said frame member a slight distance from said back plate so as to receive a sheet of transfer paper between adjacent faces of said back plate and said frame member.

2,277,668
ZINC PLATING
Clayton F. Ruebensaal, Cleveland, Ohio, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1938, Serial No. 235,782
3 Claims. (Cl. 204—55)

1. In a process for the electrodeposition of zinc from a sodium zincate bath, the step comprising depositing zinc from an electrolyte comprised essentially of sodium zincate and free of cyanide, deposition being effected in the presence of from about 7 to 30 grams per liter of a substance selected from the group consisting of glycollic acid and its salts.

2,277,669
CLOTHESPIN PACKAGE
Howard B. Smith, Port Washington, N. Y.
Original application April 12, 1938, Serial No. 201,517. Divided and this application March 11, 1940, Serial No. 323,296
14 Claims. (Cl. 206—47)

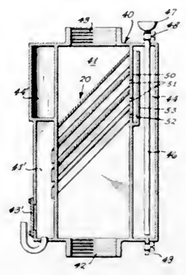


1. A package of similar clothes pins comprising a supporting means on which the pins are mounted in alternate manner in substantial alignment with the supporting means received in the slot of each pin, the contiguous sides of the pins being each shaped to provide interlocking projection and recessed portions, and means holding said pins contiguous one another whereby said pins are held against being removed from said supporting means by said interlocking projection and recess portions.

2,277,670
SPARK ARRESTER
Edwin C. Weisgerber, Los Angeles, Calif.
Application August 2, 1940, Serial No. 350,041
3 Claims. (Cl. 183—21)

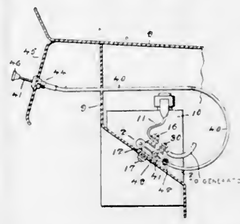
1. In a spark arrester and muffler: a housing providing a spark arresting and muffler chamber having an inlet at its lower end and an outlet at its upper end, and providing a soot receiving chamber at one side and a liquid reservoir chamber at the opposite side; a plurality of inclined trough members mounted in said housing between said inlet and said outlet arranged in banks in staggered overlapping relation, certain of said trough members being normally disposed and others being inverted, the lower ends of said normally disposed trough members terminating in said soot receiving chamber; means

providing communication between the upper ends of said normally disposed trough members



and said liquid reservoir chamber; and means for supplying liquid to said liquid reservoir chamber.

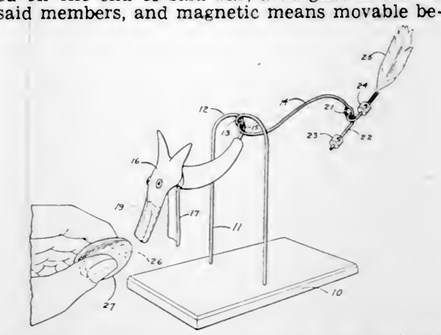
2,277,671
ELECTRICAL SWITCH
Herman Williams and Lee A. Williams, Huntington, W. Va.
Application June 24, 1940, Serial No. 342,184
1 Claim. (Cl. 200—6)



In a switch of the character described, a casing of current conductive material, a pair of complementary contact members mounted within the casing, a binding post connected with one of the said contact members and extending through the casing for connecting the said contact member and the casing with a ground contact, a second binding post connected with the complementary contact member and extending through the casing for connection with a wire from a battery, the said last mentioned binding post being insulated from the said casing, a generator terminal post extended through the casing and having its outer end connected with a generator wire, the said generator terminal post being insulated from the casing, a contact member secured to the generator terminal post and disposed in the casing, an arm of conductive material pivotally and electrically connected with the casing, and a movable contact member secured to the said arm operable to engage the complementary contact members to ground the battery connection and movable to an off position disconnected from the complementary contact members to engage the generator contact member to ground the generator terminal through the casing.

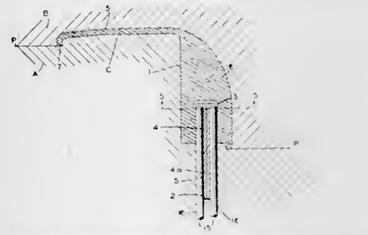
2,277,672
TOY
Ralph A. Stone, Cleveland, Ohio
Application February 14, 1941, Serial No. 378,903
6 Claims. (Cl. 46—45)

1. A magnetic toy embodying a stationary frame, a bar mounted for universal movement thereon, a plurality of members pivotally mounted on one end of said bar, a magnet in one of said members, and magnetic means movable be-



neath said members to attract or repulse the member having the magnet therein.

2,277,673
MEANS FOR MAKING MOLDED ARTICLES
Le Roy T. Barnette, St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application July 21, 1938, Serial No. 220,527
2 Claims. (Cl. 18—36)



2. A mold having separable sections which cooperate to form a cavity for molding plastic hardenable material around an elongated relatively thin sheet material insert of generally T-form which lies partly within and partly without the mold cavity with the general plane of its flange horizontal and of its web vertical and which thereby inherently is laterally bendable by the heavy pressure of injection molding, the portion of said web lying without said cavity being seated in a fitted depression in one of said separable sections, one mold section being provided with parallel relatively stiff rod-like members extending upwardly into said cavity and spaced at intervals along the same in two parallel rows and thereby adapted at their upper ends to engage beneath shoulders of the flange of said insert to support the same and at their sides to abut opposite surfaces of the insert web and resist lateral bending or deflection thereof in both directions out of the plane of the sheet by the heavy pressure of the injected plastic material.

2,277,674
SHIPPING CONTAINER
Jack Russell Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia
Application March 22, 1939, Serial No. 263,535
1 Claim. (Cl. 229—23)

A shipping container of pulp board material comprising upper and lower body sections, each

body section including an end member and side members rigidly attached thereto, the body sections at their free edges being substantially identical in cross section and adapted to be located in abutting relation for connection, rigid supporting members disposed on the inside of said body sections and at the corners thereof, said supporting members extending from the lower end mem-



ber to the upper end member when the body sections are assembled and contacting therewith, and a liner within the body sections and spaced from the side walls thereof the thickness of the rigid supporting members so that said rigid supporting members may be disposed between the liner and the side members of the body sections, a sealing member joining the sections at the abutting edges.

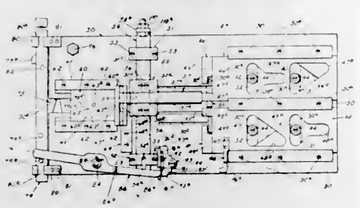
2,277,675

SHIFTING DEVICE

Jasper Blackburn, Webster Groves, Mo.

Application November 13, 1939, Serial No. 304,038

12 Claims. (Cl. 192—3.5)



3. In a device of the kind described, for operating a set of slidably mounted shifter plates arranged for controlling the several gear shifts of the gearset of a motor vehicle having a conventional self-engaging clutch and clutch lever located forwardly of the gearset, the clutch being releasable by the depression of the lever, the shifter plates being arranged in normally laterally spread alignment whence individual plates may be pulled out to one side for making a desired gear engagement, a carrier bar slidably mounted adjacent the out-moving ends of the shifter plates to reciprocate lengthwise, forwardly and rearwardly, transversely of their lines of movement as drawn out, means for moving the carrier bar rearward in a step-by-step measure, a plate selector arm transversely and reciprocably mounted on the carrier bar to reciprocate towards and from the shifter plates and to operatively align itself with individual plates under the said step-by-step rearward movement of the carrier bar, co-operative means on the plates and the plate selector arm for enabling the latter on its movement towards the plates to releasably engage, for operatively drawing out and returning individual shifter plates, means connecting the plate selector arm with the clutch lever for moving the former towards the shifter plate for engaging same, as the clutch engages, and for simultaneously operating the means controlling the step-by-step rearward travel of the carrier bar, and, as the clutch is disengaged, for drawing said plate out for a gear shift.

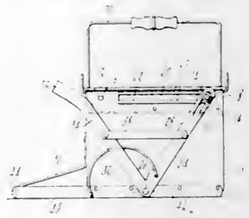
2,277,676

MOP WRINGER

Forrest S. Blanchard, Stoneham, Mass., assignor to Ideal Can Company, Everett, Mass., a corporation of Massachusetts

Application July 17, 1940, Serial No. 346,008

2 Claims. (Cl. 15—262)



1. A mop wringer comprising a receptacle, a pair of wringer rolls within said receptacle, means mounted on said receptacle for pressing said rolls together, said means including a treadle in front of said receptacle arranged to be depressed to move the rolls together, and a fixed purchase member projecting from said receptacle in the plane which bisects said wringer rolls and engageable by the toe of the treadle-operating foot at a point adjacent to the receptacle to exert a downward thrust on the receptacle opposing any rocking of the receptacle when a mop is pulled upward between the rolls.

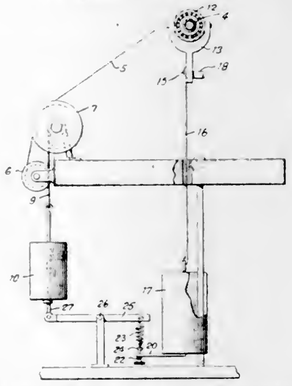
2,277,677

MACHINE FOR WINDING BALLS

Boris Bogoslowsky, New York, N. Y.

Application October 6, 1939, Serial No. 298,173

2 Claims. (Cl. 242—3)



1. In a ball winding machine, in combination, a pair of oppositely disposed shafts supporting the ball being wound, said shafts being mounted for relative longitudinal movement, a weight connected to said shafts tending to move said shafts toward one another, said weight being movable as the ball increases in size, means for applying tension to the strand being wound, including a friction brake, and means operated by movements of said weight for varying the friction applied by said brake.

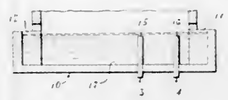
2,277,678

ELECTRIC FURNACE FOR MELTING GLASS

Edouard Virgile Borel, Romont, Switzerland, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France

Original application August 10, 1937, Serial No. 158,347. Divided and this application May 6, 1940, Serial No. 333,567. In Germany August 14, 1936

13 Claims. (Cl. 13—6)



1. In a tank furnace for treating glass, wherein a fluid mass of glass in different states of chemical composition is maintained at a substantially constant level, the materials to be treated being introduced at one end of the tank and glass in the finished state being removed from the opposite end of the tank, the combination therewith of electrodes to supply electrical current to the glass mass, at least one of said electrodes consisting of a plurality of parallel elements situated closely one to the other in a row which extends into and across the path of the glass flow and extends substantially over the entire width of the tank while leaving passage to the flow of the glass through the plane of the electrode, each of said elements being located in a vertical longitudinal plane of the furnace, distinct from that of the other elements.

2,277,679

ELECTRIC FURNACE FOR MELTING GLASS

Edouard Virgile Borel, Romont, Switzerland, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France

Original application August 10, 1937, Serial No. 158,347. Divided and this application May 6, 1940, Serial No. 333,568. In Germany August 14, 1936

8 Claims. (Cl. 13—6)



1. In a tank furnace for treating glass, wherein a mass of glass in different states of chemical composition is maintained at a substantially constant level, the materials to be treated being introduced at one end of the tank and glass in the finished state being removed from the opposite end of the tank, the combination therewith of electrodes immersed in the glass mass to supply electrical current to the glass mass in order to heat it by Joule effect, at least one of the electrodes being totally submerged in the glass, located in and across the path of the glass flow and extending substantially over the entire width of the furnace in spaced relation to the transverse walls of the latter, and at least one refractory member extending transversely of the furnace in the plane of and close to said electrode and contacting the glass to control the glass flow and the distribution of lines of electrical current flowing from said electrode through a portion of the glass mass.

2,277,680

INSECTICIDE

Euclid W. Bousquet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 26, 1934, Serial No. 737,046. Divided and this application February 1, 1941, Serial No. 376,991

4 Claims. (Cl. 167—33)

1. An insecticidal composition containing as an essential active ingredient a water insoluble sulfurized N,N-diaryl-arylenediamine characterized in that at least one of the aryl groups is linked to the arylene group in a 1,4-thiazine ring structure.

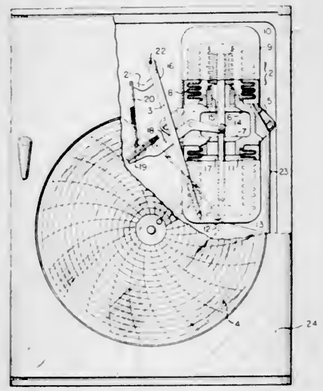
2,277,681

PRESSURE MEASURING INSTRUMENT

Edwin Clark Burdick, Philadelphia, and Roy Ullman, Roslyn, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 17, 1940, Serial No. 314,292

2 Claims. (Cl. 73—110)



1. In a measuring instrument the combination of a support having a pair of aligned openings, a pair of bellows attached to said support, the interior of said bellows communicating with said openings, a pair of cup-shaped members surrounding said bellows and attached to said support whereby chambers are formed between said bellows and cup-shaped members, means to subject said chambers to different pressures, a spring between said support and the interior of one of said bellows to bias the same to a normal position, a rigid connecting member extending through said openings and attached at its ends to the inner ends of said bellows, an exhibiting element, a pivoted lever connected to move said element, one arm of said lever extending between said openings and terminating adjacent the center of said rigid connecting member, and a link connected at one end to the end of said arm and at its other end to one end of said connecting member, the length of said arm being so proportioned relative to the movement of the connecting member that the angle between said link and arm remains substantially the same.

2,277,682

BRUSH

Elbert Brighton, Trinidad, Colo.

Application March 29, 1940, Serial No. 326,750

1 Claim. (Cl. 15—202)

A brush head formed with an under substan-

tially convex face and having an endwise removable section formed with spaced tongues, said head provided with longitudinal rows of bristles extending outwardly from said convex face and with alternate rows fixed to said tongues for removal from between the other rows to maximize cleaning accessibility of the respective rows, said convex face fashioned with coextending longitudinal channels accommodating said tongues and with the opposed walls defining each channel



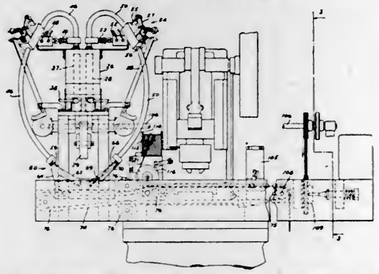
being disposed in appressed relation with the side faces of the tongue accommodated therein to frictionally maintain said tongues within said channels against accidental endwise displacement, said opposed walls defining each channel being disposed in parallelism and converging inwardly towards the opposed walls defining the adjacent channel forming a dovetail permitting only endwise movement of said section to effect detachment from said head.

2,277,683

ARTICLE HANDLING APPARATUS

Paul M. Cole, Meadville, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 7, 1941, Serial No. 373,465
4 Claims. (Cl. 302—2)



1. Apparatus for orienting and magazining unoriented articles and comprising a container to receive a supply of unoriented articles, a reciprocable member within the container to pick up an article on the one end thereof during a forward motion thereof, means to align a principal axis of the article with the axis of the member, means to dislodge an unaligned article from the member, a magazine, and means to throw an aligned article from the member into the magazine without change of orientation of the article.

2,277,684

MACHINE AND METHOD FOR USE IN THE MANUFACTURE OF SHOES

Gordon H. Bell, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 8, 1941, Serial No. 382,352
10 Claims. (Cl. 12—2)



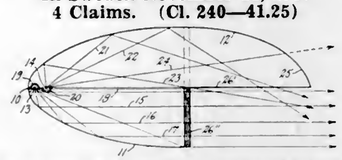
1. A fastening inserting machine having, in combination, staple forming and guiding means including inside and outside formers and a driving throat constructed and arranged to form a staple in an inverted position with its legs extending upwardly, means including an anvil above said throat shaped to engage a shoe upper assembled with a sole member on a last with the lower margin of the upper turned outwardly to form a flange and the marginal portion of the sole member projecting beyond the last bottom, said means being arranged to work the upper into close conformity with the curvature of the last and to press the outturned flange of the upper against the projecting portion of the sole member, and means for driving the staple upwardly through the sole member and the flange of the upper, said anvil being arranged to clinch the staple against the top surface of said flange and in close proximity to the edge of the last bottom.

2,277,685

HEADLIGHT, ESPECIALLY FOR AUTOMOBILES AND SIMILAR VEHICLES

Axel Emil Bergström, Lidingo, Sweden

Application November 10, 1938, Serial No. 239,806
In Sweden November 11, 1937
4 Claims. (Cl. 240—41.25)



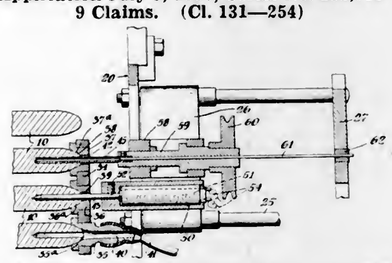
1. In a headlight, an upper ellipsoidal reflector, a lower parabolic reflector, a first source of light located at substantially the posterior focus of said ellipsoidal reflector, whereby light reflected therefrom is converged, a second source of light located substantially at the focus of said parabolic reflector, whereby substantially parallel rays are reflected, screening means for preventing light from said first source from reaching said parabolic reflector and for preventing light from said second source from reaching said ellipsoidal reflector, a third source of light of substantially less intensity than said first and second sources located above said screening means so that the light therefrom reaches only said ellipsoidal reflector, and screening means for preventing emission from the headlight of any direct rays from said first and third sources of light.

2,277,686

APPARATUS FOR PERFORATING AND CLEANING CIGARS

Lloyd S. Blount, Summit, N. J., assignor, by mesne assignments, to International Cigar Machinery Company, a corporation of New Jersey

Application July 9, 1937, Serial No. 152,716
9 Claims. (Cl. 131—254)



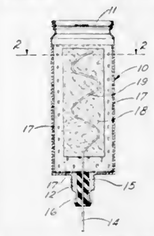
1. A device for perforating cigars, comprising a step-by-step conveyor means, and a reciprocating member carrying a drill and a heated needle cooperating with the head of a cigar at successive stations of said conveyor to drill a perforation in said cigar and to form and iron said perforation.

2,277,687

ELECTROLYTIC DEVICE

Joseph B. Brennan, Euclid, Ohio

Application May 24, 1939, Serial No. 275,481
4 Claims. (Cl. 175—315)



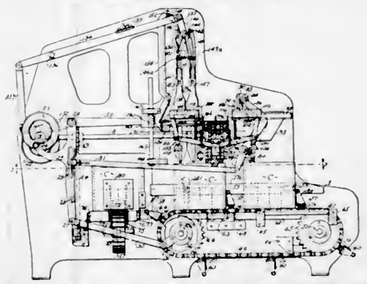
1. In an electrolytic condenser of the type embodying a film-maintaining electrolyte and a container therefor which also constitutes the cathode of the condenser, an anode immersed in said electrolyte within said container and comprising a mass of metallic wool composed of film-forming metal, and having a wire composed of film-forming metal extending into said mass, said wire supporting said anode within said container.

2,277,688

PACKAGING MACHINE

John Cattonar, Brooklyn, and George Olm, Astoria, N. Y., assignors to Edward Ermold Co., New York, N. Y., a corporation of New York

Application July 8, 1938, Serial No. 218,214
31 Claims. (Cl. 226—14)



1. In a machine of the class described, having an infeed station, an outfeed station and a filling station for the crates, means to locate in a predetermined position the crate at the infeed station, the filling station being located between the infeed and outfeed stations, means continuously feeding the bottles to the machine at the filling station, means to locate the bottles at the filling station in proper positions for lowering into crate pockets beneath, means to arrest the infeeding of bottles when a desired row has been located above the crate until the same shall have been deposited into the crate, means to grip the bottles above the crate and lower the same into the crate together, said gripping means including gripping jaws which are normally located above the bottle necks and means to move the jaws down over the bottle necks into gripping engagement therewith, and spring baskets through which the bottles are lowered and by which the bottles are guided into the crate, and means for lowering the baskets into and lifting them out of the crate, the complete loading operation for the crate being conducted in a plurality of stages or steps during the time the crate is passed from the infeed to the outfeed station.

2,277,689

DIELECTRIC COMPOSITIONS

Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Original application March 6, 1940, Serial No. 322,599. Divided and this application November 8, 1940, Serial No. 364,864
8 Claims. (Cl. 252—63.7)

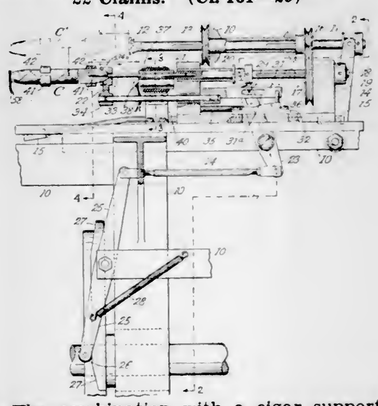
1. A material consisting of a mixture of a substantial proportion of chlorinated ortho nitrodiphenyl and a substantial proportion of nitrated aryl polynuclear hydrocarbon.

2,277,690

CIGAR PIERCER

Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application March 23, 1935, Serial No. 12,720
22 Claims. (Cl. 131—29)



1. The combination with a cigar support, of means engaging the body of a cigar and holding it on said support, a locating device arranged to engage one end of a cigar on said support, a piercer arranged centrally of said device, and means for producing a relative movement of said cigar and piercer to pierce the same, and a heating element, a support for said element, a piercer support positioned in engagement with and supported by said heating element and receiving heat from said heating element.

2,277,691

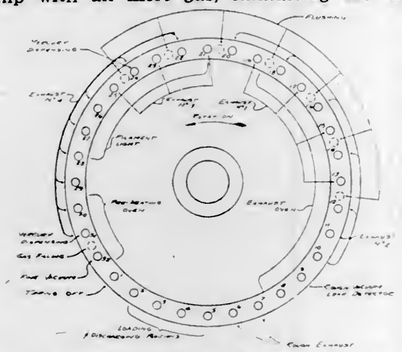
APPARATUS FOR LAMP MANUFACTURE

Ernest C. Curwen, Salem, and Roland M. Gardner, Swampscott, Mass., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application August 6, 1940, Serial No. 351,596
2 Claims. (Cl. 176—2)

1. A process for exhausting discharge lamps having filamentary electrodes, said process comprising the following steps: exhausting the lamp to a rough vacuum, baking the lamp in an oven,

exhausting the lamp to a finer degree of vacuum, flushing with an inert gas, exhausting again on a different pump, lighting the filamentary electrode, placing some mercury in the lamp, filling the lamp with an inert gas, exhausting the lamp



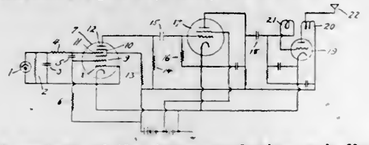
again, extinguishing the filament, further exhausting the lamp, heating the lamp again, placing some mercury in the lamp again, adding an excess pressure of inert gas, evacuating the excess of the inert gas, sealing off the lamp, and removing it from the machine.

2,277,692

MEASURING CLOUD HEIGHT AND THICKNESS

Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of Commerce and his successors

Application May 4, 1938, Serial No. 206,087
20 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system of the type employing a balloon-carried radio transmitter and means for receiving and recording the signals emanated at different known altitudes by said transmitter; particularly characterized in that said radio transmitter includes a modulation generator and a photo-electric cell having its sensitive area oriented downwardly and connected to control the modulation of said modulation generator as a function of the amount of light falling on the photo-electric cell from the underlying regions previously traversed by the balloon in flight, whereby recording of said modulation characteristic produces a charted indication of cloud height and thickness substantially as described.

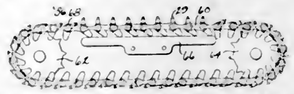
2,277,693

PIN TYPE FEEDING DEVICE

Henry G. Dybvig, Dayton, Ohio, assignor to John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner executors of said John Q. Sherman, deceased

Original application April 12, 1935, Serial No. 16,008. Divided and this application August 16, 1937, Serial No. 159,311
18 Claims. (Cl. 271—2.1)

1. A strip feeding means for a writing and imprinting apparatus, wherein a continuous strip of record material having therein a succession of prescribed longitudinally spaced legend receiving areas and a succession of longitudinally spaced feed holes for engagement of a pin type feeding device is advanced past imprinting position, said holes being disposed in correlated relation with the legend receiving areas whereby succeeding legend receiving areas are progressively presented in registering relation with legend imprinting means of the apparatus, characterized by a flexi-



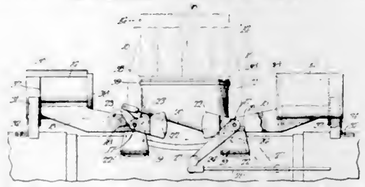
ble traveling carrier, a plurality of feeding pins mounted thereon for unison travel movement and for movement additional to their travel movement independently of each other relative to the carrier through the holes and thence into overhanging relation with contiguous areas of the opposite face of the strip beyond the limits of the holes when engaged therein, and control means for automatically effecting movement of the pins into such overhanging relation with the strip upon travel movement of the carrier.

2,277,694

SMOKE ELEVATOR

Charles Roderick Falconer, Milwaukee, and Gustav Hugo Koester, Wauwatosa, Wis.

Application November 3, 1939, Serial No. 302,742
11 Claims. (Cl. 110—184)



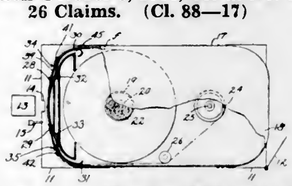
1. A locomotive including a generally vertical smoke stack and a smoke stack extension including two semi-cylindrical members adapted to fit together and to fit the top of the smoke stack to form a cylindrical extension thereof and each pivoted to the locomotive and movable to a lower position to lie below a level approximately at the top of the smoke stack.

2,277,695

MAGAZINE AND FILM HANDLING APPARATUS

Warren Dunham Foster, Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York

Application October 8, 1934, Serial No. 747,473
26 Claims. (Cl. 88—17)



1. For use in a film handling apparatus, a magazine having a walled housing for supporting and protecting a motion picture film, a film frame exposure aperture in a wall of said housing, means within the housing adjacent opposite sides of said aperture for supporting a film pressure

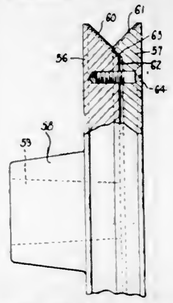
plate, said pressure plate comprising a flexible resilient strip of metal, means fixedly to attach said plate to each of said supporting means with its middle portion bowed forwardly relatively to said aperture and spaced from the edges of the aperture to provide exit and entrance openings for the film, and supply and take-up means in the magazine for said film.

2,277,696

ABRADING TOOL

Lloyd W. Goddu, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application May 27, 1939, Serial No. 276,071
4 Claims. (Cl. 51—206)



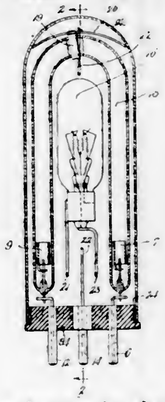
1. An abrading tool for use with a device of the character described comprising a pair of disc-like supporting members, at least one of said members having a hub thereon for attachment to a driving spindle, means for securing said discs in adjacent side surface relation with each other, each of said discs having a tapered peripheral surface so positioned relative to each other when the discs are in secured relation as to form a V-shaped peripheral groove, one of said discs having an undercut angled surface adapted to overlie a portion of the tapered peripheral surface of the other of said discs and to be urged into engagement therewith by the means for connecting said discs, each of said angled peripheral surfaces being impregnated with particles of abrasive.

2,277,697

ELECTRIC SYSTEM AND APPARATUS

Herbert Earle Grier, Cambridge, Mass.

Application January 31, 1939, Serial No. 253,760
12 Claims. (Cl. 176—1)



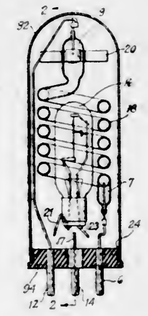
8. Apparatus for use in photography having, in combination, a light-source, and a flash-lamp for producing a very brilliant flash for a very brief period, the light-source and the flash-lamp being positioned so that their fields of illumination shall have approximately the same center.

2,277,698

FLASH-PHOTOGRAPHY APPARATUS

Kenneth Joseph Germeshausen, Cambridge, Mass., assignor to Herbert E. Grier, Newton Center, Mass.

Application May 13, 1941, Serial No. 393,235
8 Claims. (Cl. 176—1)



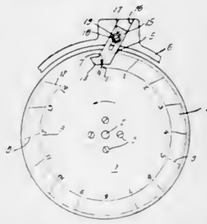
1. Apparatus for use in photography having, in combination, a helical flash-lamp for producing a very brilliant flash for a very brief period, and a light-source positioned in the helix of the flash-lamp so that the fields of illumination of the flash-lamp and the light-source shall have approximately the same center.

2,277,699

INDICATING DEVICE

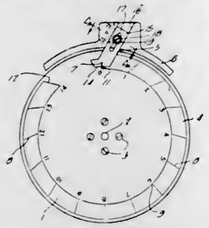
Francis W. Guibert, Beverly Hills, and Frederic B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert

Application August 14, 1939, Serial No. 290,008
8 Claims. (Cl. 116—129)



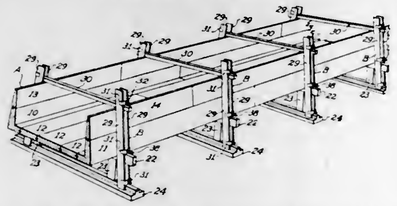
3. In an indicating mechanism including a relatively movable scale member and pointer member, said scale member having a series of scale marks extending transversely to the path of relative travel between the pointer and the scale, and means for adjusting the pointer member, whereby the position of said transverse path on the scale may be varied, said scale marks being so arranged that the readings depend upon the chosen transverse path, said means ensuring that when the pointer is at one of the limits of the scale, the adjustment of the pointer maintains the pointer on the corresponding limiting scale mark.

2,277,700
COMPENSATING INDICATOR
Francis W. Guibert, Beverly Hills, and Frederic B. Fuller, Whittier, Calif.; said Fuller assignor to said Guibert
Application May 1, 1940, Serial No. 332,766
7 Claims. (Cl. 116—129)



7. In an indicating mechanism having a relatively movable scale and pointer, the scale having division marks, and the pointer, in performing its indicating operation, traversing a path transverse to the division marks, said marks being so formed that successive marks have different inclinations with respect to said path, whereby the scale readings are a function of the particular transverse path, and corrected readings accurately conforming to the indicated quantities may be secured, the beginning division mark deviating from a direction normal to the relative indicating movement between the pointer and the scale, and means for making a compensating adjustment between the pointer and the scale in a direction corresponding to the direction that maintains said pointer and the beginning division mark in coincidence when the pointer and scale are in beginning position, including graduations determining the correction to be applied.

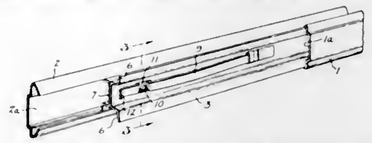
2,277,701
COMPOSITE WOODEN FLUME
Ross Houston, Tacoma, Wash.
Application May 29, 1939, Serial No. 276,406
11 Claims. (Cl. 61—14)



1. In a flume of the character described, bottom members having connecting means in their adjacent edges, L-shaped corner members constituting the bottom edges of the flume, and resilient means for clamping said members together.

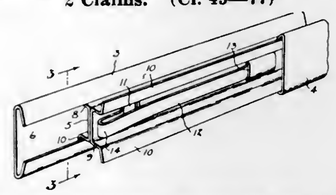
2,277,702
SLIDE SUSPENSION
Howard L. Kennedy, Van Wert, Ohio, assignor to Kennedy Manufacturing Company, Van Wert, Ohio, a corporation of Indiana
Application December 14, 1940, Serial No. 370,211
4 Claims. (Cl. 45—77)

1. A slide suspension for suspending a sliding member in a supporting structure which comprises an outer guide member on the supporting structure having a longitudinally channeled portion, an inner guide member on the sliding member having a longitudinally channeled portion, an intermediate member having portions received for sliding movement in the channeled portions of said inner and outer members, a stop on said inner member adjacent the intermediate member, an aperture in the intermediate member disposed adjacent the stop when the sliding member is in its outward extended position, and a detent carried by the intermediate member for



engagement with said stop, said detent including a flat spring secured to the intermediate member on the outer side thereof and at a point spaced rearwardly from the aperture, a U-shaped portion of said spring projecting through the aperture to engage the stop, and an outwardly disposed free end portion of the spring to provide accessibility to the spring for manual disengagement of the detent from the stop to release the sliding member and inner member for removal.

2,277,703
DRAWER SLIDE
Howard L. Kennedy and Charles A. Uncapher, Van Wert, Ohio, assignors to Kennedy Manufacturing Company, Van Wert, Ohio, a corporation of Indiana
Application May 2, 1941, Serial No. 391,506
2 Claims. (Cl. 45—77)



2. A slide suspension comprising two channel-shaped supporting members disposed with the open side of one facing the open side of the other, a stop carried by each supporting member in the channel thereof, a slide bar having opposite side portions slidably mounted in said channels, said slide bar having longitudinal channels in opposite side faces thereof to receive said stops, and having an opening adjacent each end through the portion of the bar separating the channels in opposite faces thereof, and releasable stop members carried by the bar and engageable with said stops, said releasable stop members each comprising an elongated strip of resilient metal, one mounted in each of said channels of the bar and each anchored at its inner end to said bar, the free ends of said strips extending past said openings and being doubled back upon the body of the strip on the side thereof facing the bar to provide a finger tab in the form of a loop outwardly of the opening, the end of the doubled-back portion being bent laterally to provide a stop flange inwardly of the tab which projects through the adjacent opening into the path of one of said stop members, the stop flange of each releasable stop member being closely adjacent the outer edge of the opening through which it projects, whereby said edge of the opening provides an abutment and fulcrum for said stop flange.

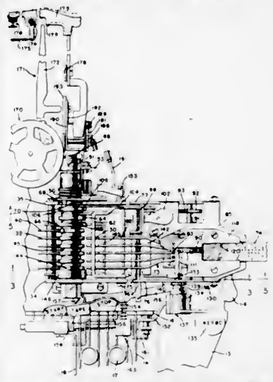
2,277,704
REFRACTORY
Charles J. Kinzie and Eugene Wainer, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 31, 1939, Serial No. 265,133
10 Claims. (Cl. 106—57)

1. A refractory composition comprising a refractory base and a minor quantity of a material capable of a substantial and uniform expansion at a high temperature as the result of chemical change, said material being taken from the class consisting of thermal reaction products of zirconium and carbon, titanium and carbon, thorium and carbon, cerium and carbon, hafnium and carbon, silicon and carbon, zirconium and nitrogen, titanium and nitrogen, thorium and nitrogen, cerium and nitrogen, hafnium and nitrogen, silicon and nitrogen, said material being in finely divided form and uniformly distributed throughout said base, the amount of said material being predetermined to control the expansion and contraction characteristics of the refractory composition.

2,277,705
REFRACTORY COMPOSITION AND METHOD OF MAKING THE SAME
Charles J. Kinzie and Eugene Wainer, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 25, 1940, Serial No. 315,595
18 Claims. (Cl. 106—57)

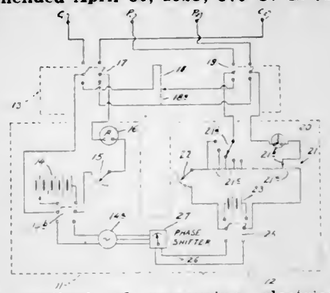
1. A fluid moldable composition suitable for forming refractory articles, comprising a major proportion of zircon and water in an amount not substantially more than 17 cc. per 100 grams of zircon, said composition containing less than 0.01 gram per 100 cc. of water of dissolved calcium and aluminum salts.

2,277,706
COMBINED KEYBOARD TAPE TRANSMITTER
Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 9, 1939, Serial No. 303,516
18 Claims. (Cl. 178—17)



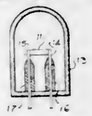
1. A telegraph transmitter including a plurality of contacts, permutation bars, key levers for operating said bars in varying combinations, elements controlled by said permutation bars to control the operation of said contacts, means for sensing signal indicia in a strip, members controlled by said sensing means for controlling permutably the operation of said contacts, manually operated means, and means operated by said manually operated means for moving said members during key lever operation to a position unresponsive to signal indicia in said strip.

2,277,707
ELECTRICAL IMPEDISIVITY OR RESISTIVITY MEASURING
Frederick W. Lee, Owings Mills, Md.
Refiled for abandoned application Serial No. 743,738, September 12, 1934. This application April 8, 1938, Serial No. 200,948
12 Claims. (Cl. 175—182)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of measuring electrical impedisivity of a medium comprising the steps of laying out a configuration for applying, from a source, electrical energy to the medium and for picking up potentials existing in the energy field thus created in the medium, said configuration being one for which the relation is known between the geometrical constants of the configuration, the electrical energy applied thereto, the potentials picked-up therefrom, and the unknown apparent impedisivity of the medium; supplying electrical energy to said configuration of a value in predetermined ratio to the size of said configuration; electrically proportioning the scale of a potential balancer to multiply potential indications by a factor rendering the potential balancer scale direct reading in magnitude of impedisivity for said known configuration with energy applied in accordance with said ratio; and balancing picked up potentials with the so adjusted potential balancer; whereby the apparent impedisivities of the medium embraced by the configuration are readable directly on the potential balancer scale.

2,277,708
THERMOSTATIC DISCHARGE TUBE
Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 18, 1940, Serial No. 324,533
1 Claim. (Cl. 250—27.5)



A discharge lamp starting switch comprising: a sealed glass container; an atmosphere of inert

gas at low pressure in said container; a lead-in wire extending into the atmosphere in said container; a bimetallic strip attached at one end to said lead-in wire at right angles thereto, and having its other end free; a second lead-in wire extending into said atmosphere and placed in a position toward which said bimetallic strip will bend when heated and near enough to the normal position of the free end of said strip to permit a discharge to start in the atmosphere between said strip and said second lead-in wire at a voltage below 220 volts, and a coating of solid insulating material over each of said lead-in wires to confine the discharge to the vicinity of the bimetallic strip, said lead-in wires and said strip being free from thermionic coating materials so that a discharge will not start in the device at a voltage below 110 volts.

2,277,709

PIEZOELECTRIC CRYSTAL APPARATUS

Herbert J. McSkimin, Lyndhurst, and Roger A. Sykes, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 12, 1940, Serial No. 369,694

10 Claims. (Cl. 171—327)



1. A piezoelectric quartz crystal element having its substantially rectangular major surfaces substantially in the plane of a Y axis and the Z axis, the major axis length dimension of said major surfaces being inclined at an angle of substantially —47.5 degrees with respect to said Y axis, the dimensional ratio of the width dimension of said major surfaces with respect to said length dimension thereof being one of the values between substantially 0.80 and 0.93.

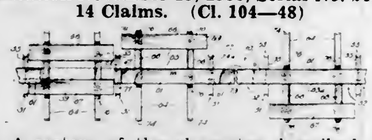
2,277,710

SYSTEM FOR PRODUCING SHOES AND ANALOGOUS ARTICLES

Christopher E. Mertzanoff, New York, and Matthew W. Potts, New Rochelle, N. Y.

Application November 19, 1938, Serial No. 241,366

14 Claims. (Cl. 104—48)



1. A system of the character described comprising a production line including a series of operator stations arranged successively in accordance with the operations to be performed, and a trackway extending along said production line and providing a line of travel for the carriers for supporting the work to be operated upon from station to station, said trackway, at successive stations, including transversely movable carrier-supporting track sections manually operated independently of each other for withdrawing the carrier thereon at any of said stations from said line to permit of the performance of the operation upon the work and for returning the carrier to said line upon the completion of said operation and permit of the advancement of the carrier to a succeeding station; each of said successive sections having an additional track portion movable into alignment with said trackway when any of said sections is withdrawn and permit of the uninterrupted advance of the carriers from an anterior point over the additional track portion to a posterior station to be there withdrawn and returned by the transversely movable carrier supporting section of said posterior station.

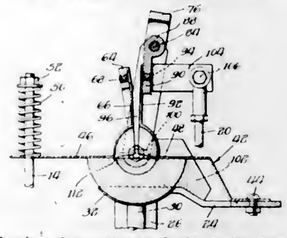
2,277,711

APPARATUS FOR PITTING HALF FRUIT

Rollie B. Nawman, Oakland, Calif., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Application August 8, 1939, Serial No. 288,961

15 Claims. (Cl. 146—28)



1. A device for pitting half fruit having a pit section disposed on its cut face and unsevered from the half fruit, comprising means for supporting the half fruit with its cut face and pit section exposed, a plurality of pitting blades, means for positioning said blades on opposite sides of the pit at the cut face of the half fruit, means to cause one of said blades to move laterally to contact the edge of the half pit, means for causing the cooperative blade to remain substantially at rest during lateral movement of said one blade, said means including mechanism for causing said one blade when brought into contact with the pit edge then to cut through the flesh of the half fruit adjacent the periphery of the pit from one side thereof, and means initiating movement of said cooperative blade when said one blade contacts the pit to cause the cooperative blade to simultaneously and at equal speed cut through the half fruit from the other side of the pit.

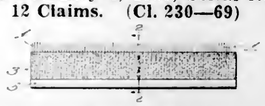
2,277,712

ELECTRIC DISCHARGE ELECTRODE

William H. Otto, Newark, Ohio, assignor to Slayter Electronic Corporation, a corporation of Ohio

Application February 4, 1939, Serial No. 254,723

12 Claims. (Cl. 230—69)



1. An electric discharge electrode comprising a tape of non-conductive woven material, emitting points carried by said tape and projecting from an edge thereof at spaced intervals, and a coating of conducting material on said tape for imparting mechanical rigidity and electrical conductivity to said tape.

2,277,713

THREAD PROTECTOR

Arthur L. Parker, Cleveland, Ohio

Application September 8, 1939, Serial No. 294,013

1 Claim. (Cl. 138—96)

A thread protector for an internally threaded outlet, comprising a body portion formed wholly from resilient material, said body portion being of uniform diameter and of substantially the same diameter as the inner diameter of the threaded outlet, said body portion being hollow and closed at its outer end and provided with a projecting flange which overlies and contacts



with the end of the outlet, said body portion having a projecting rib on the exterior thereof and at the inner end of the body, said rib encircling the body and being of a width so as to fit between the threads of the outlet for holding the protector in the outlet with the flange in contact with the end of the outlet.

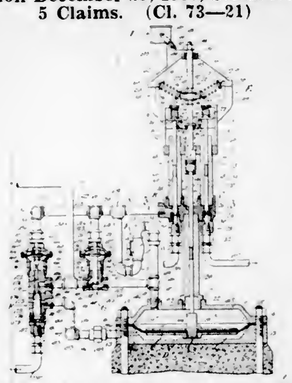
2,277,714

SAMPLER

John Ray Polston and Joseph Johnson Boyd, Tulsa, Okla., assignors to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine

Application December 29, 1939, Serial No. 311,635

5 Claims. (Cl. 73—21)



5. A device for removing a composite sample of a fluid passing through a pipe line, which comprises means in said pipe line for producing a pressure differential in response to fluid flow, a fluid connection outside said pipe line between regions of differential pressure in the pipe line, means in said fluid connection responsive to said pressure differential for trapping discrete uniform samples, a gas-tight container for collecting the samples, and means for ejecting said samples into said container whereby discrete uniform samples are discharged from said fluid connection at a rate roughly proportional to the rate of flow of fluid through said pipe line.

2,277,715

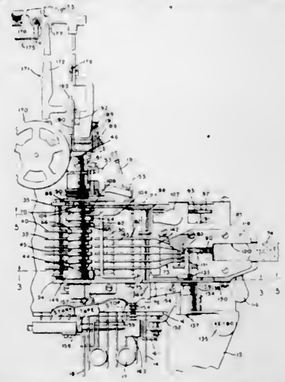
COMBINED KEYBOARD TAPE TRANSMITTER

Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application November 9, 1939, Serial No. 303,518

10 Claims. (Cl. 178—17)

1. A telegraph transmitter including a plurality of contacts, permutation bars, key levers for operating said permutation bars in varying combinations, elements controlled by said permutation bars to control the operation of said contacts, means for sensing signal indicia in a strip, means controlled by said sensing means for controlling permutably the operation of said con-



tacts, means for selectively controlling the effectiveness of said sensing means on said controlled means, and means for positioning said permutation bars in an all-spacing position preparatory to transmission from said strip.

2,277,716

FERMENTATION PROCESS FOR THE PRODUCTION OF 2-KETOGLUCONIC ACID

Lewis B. Lockwood, Alexandria, and George E. Ward, Arlington, Va., and Joseph J. Stubbs, Washington, D. C., and Edward T. Roe, Arlington, and Benjamin Tabenkin, Alexandria, Va., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and to his successors in office

No Drawing. Application July 8, 1940, Serial No. 344,380

7 Claims. (Cl. 195—47)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A process for the production of 2-ketogluconic acid, which comprises inoculating a nutrient solution containing a gluconate salt with bacteria of the genus Pseudomonas, thence aerating and agitating the inoculated mash, the while maintaining the same under super-atmospheric pressure of gases containing substantial quantities of oxygen, and cultivating the bacteria in a submerged state, thereby producing 2-ketogluconic acid.

2,277,717

FOLDING BOX

De Forest Sackett, La Grange, Ill.

Application August 22, 1938, Serial No. 226,055

15 Claims. (Cl. 229—34)



1. A folding box fashioned from a blank of sheet material comprising a bottom having integral side walls along the edges thereof, at least one of said side walls being doubled inwardly upon itself at its upper edge to form a wall of double thickness, an integral flap on said one

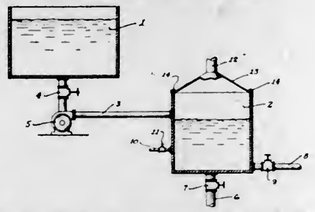
side wall bent at an angle to said wall to lie against the next adjacent side wall and doubled upon itself with the doubled portion of said flap extending across the corner between said one side wall and said adjacent side wall to form a double thickness reinforcement, the free end of said flap being held between the inner and outer layers of said one side wall.

2,277,718

SLUDGE TREATMENT

Marion D. Sanders, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application November 9, 1936, Serial No. 110,008
11 Claims. (Cl. 210—2)



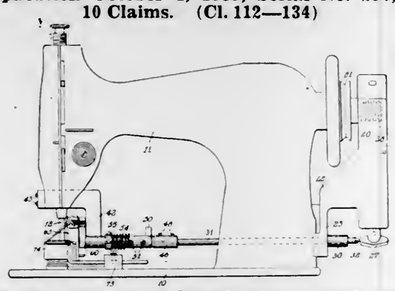
1. The method of concentrating sludge which comprises fermenting the sludge sufficiently to form gas therein, but insufficiently to substantially digest the sludge, and then heating the fermented sludge to form a substantially dewatered sludge.

2,277,719

MACHINE FOR MAKING PLAITINGS

Charles Seaman, Jamaica Estates, N. Y.

Application October 4, 1939, Serial No. 297,842
10 Claims. (Cl. 112—134)



1. In a sewing machine having a head carrying a reciprocating needle and drive means therefor including a rotating drive shaft, a rock shaft carrying an oscillating arm, a plaiting blade carried by said arm and adapted to be reciprocated thereby and to engage a plaiting material to advance the same to the needle for stitching in successive folds, cam means actuating said rock shaft, and means extending across the back of the machine and adjacent the work support reciprocated by said drive shaft to actuate said cam means, whereby said plaiting blade is actuated in a timed relationship with respect to the reciprocating needle.

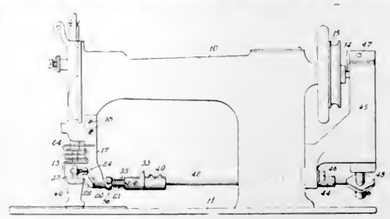
2,277,720

MACHINE FOR MAKING PLAITINGS

Charles Seaman, Jamaica Estates, N. Y.

Application October 4, 1939, Serial No. 297,843
23 Claims. (Cl. 112—134)

1. A sewing machine having at least one needle, means to feed a strip material in position for stitching adjacent one edge thereof by said needle, reciprocating means to form successive spaced folds in said material, means to advance the folded material into the path of the needle,



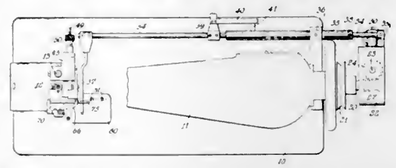
and means holding said folds out of the path of the needle, to permit the needle to penetrate the material at the base of each fold to form stitches which span said fold at the base thereof without penetrating the fold itself.

2,277,721

SEWING MACHINE FOR MAKING PLAITED OR SHIRRED TRIMMING

Charles Seaman, Jamaica Estates, N. Y.

Application October 17, 1939, Serial No. 299,813
19 Claims. (Cl. 112—134)



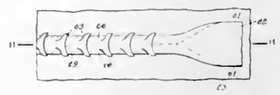
1. In a sewing machine having a reciprocating needle, means feeding material thereto for stitching, a blade mounted for reciprocating movement to advance said material to said needle in folds, means operatively connected to the needle bar for actuating said blade in synchronism with the movement of said needle, and means acting in synchronism with the movement of said blade for alternately holding said blade out of feeding contact with the material and then releasing said blade for advancing said material during a predetermined sequence of strokes whereby spaced plaiting or shirring is produced.

2,277,722

PLAITING

Charles Seaman, Jamaica Estates, N. Y.

Original application October 4, 1939, Serial No. 297,843. Divided and this application March 16, 1940, Serial No. 324,267
9 Claims. (Cl. 2—278)



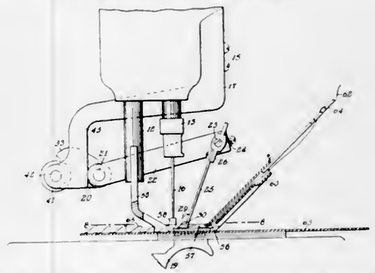
1. A strip plaiting comprising a strip of plaiting material having spaced folds formed therein extending transversely of said material and a row of stitches along at least one side edge of said material, each penetration of each of the stitches in said row passing through said strip of plaiting material, said stitches spanning and embracing the ends of said folds at the base thereof without penetrating said folds.

2,277,723

METHOD OF MAKING PLAITING

Charles Seaman, Jamaica Estates, N. Y.

Original applications October 4, 1939, Serial No. 297,843, and March 16, 1940, Serial No. 324,267. Divided and this application February 28, 1941, Serial No. 381,021
8 Claims. (Cl. 112—262)



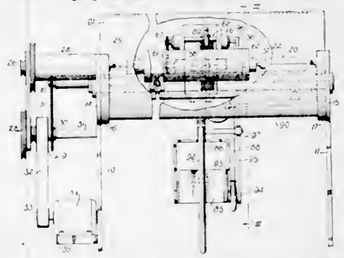
1. A method of producing plaiting which comprises advancing a strip of plaiting material to at least one vertically reciprocating needle for receiving a row of stitches at least at one side edge thereof and wherein each penetrating thrust of the needle passes through said strip of plaiting material, forming spaced folds in said material and retracting the ends of said folds from the path of the needle as they are advanced to the path of travel of said needle, whereby the row of stitches extends along the said side edge of the material but does not penetrate the folds.

2,277,724

APPARATUS FOR CLEANING ROLLS

Charles F. Smith, Cicero, Ill., assignor to Rapid Roller Co., Chicago, Ill., a corporation of Illinois

Application December 13, 1937, Serial No. 179,469
9 Claims. (Cl. 15—4)



1. Apparatus for the reconditioning of rolls of resilient surface characteristics comprising means for rotating the roll about its longitudinal axis, a pair of spaced idler rollers, power driven buffer means disposed between said rollers, said rollers and buffer means being supported for unitary movement axially of the roll and engaging spaced portions of the roll surface which are substantially aligned longitudinally of the roll, and means for applying a cleansing fluid to said roll.

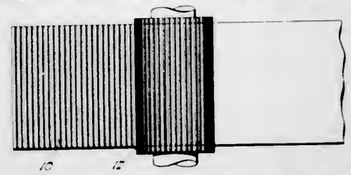
2,277,725

DECORATING METALLIC SURFACES

Richard S. Smith, Buffalo, N. Y., and Robert S. Lynch, Canton, Ohio

Application July 4, 1939, Serial No. 282,772
5 Claims. (Cl. 29—18)

1. The method of forming decorated metallic surfaces comprising hot rolling a stainless steel ingot in a continuous mill to form a strip, subjecting to a single polishing operation, and embossing by pressure between rollers engraved complementarily with a required design.

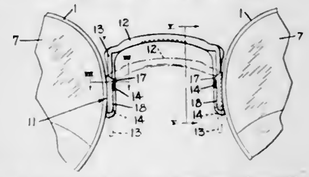


2,277,726

OPHTHALMIC MOUNTING

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application January 3, 1940, Serial No. 312,259
9 Claims. (Cl. 88—49)



8. In a device of the character described a main bridge member having depending side portions with longitudinally disposed slideways, said slideways each having a bearing surface with a cam portion within the limits of said slideways, an auxiliary bridge assembly comprising depending portions slidably mounted in said slideways and nose pad supporting means on said depending portions, at least a portion of said auxiliary bridge assembly having an inherent resiliency with an initial set which is such that the normal distance between the free ends of the depending portions of said auxiliary bridge assembly is greater than the distance between the bearing surfaces of the slideways whereby said depending portions, when assembled with said slideways, will be under a tension causing them to be resiliently urged in the direction of the bearing surfaces of the slideways, said assembly, through said inherent resiliency, having parts thereof adapted to be resiliently urged into engagement with the respective cam portions in one position of adjustment, and said depending side portions with longitudinally disposed slideways having stop means adapted to be engaged by portions of said auxiliary bridge assembly, during the adjustment thereof, to limit the different positions of adjustment.

2,277,727

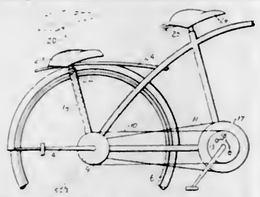
CONVERTIBLE TANDEM BICYCLE

David A. Swanson, Chicago, Ill.

Application January 3, 1939, Serial No. 249,087
5 Claims. (Cl. 74—216.5)

1. In a tandem drive for bicycles, including a front pedal drive shaft and sprocket thereon, a rotatable rear hub and driven sprocket thereon, and a chain operatively connecting said sprockets; a rear pedal crank shaft and drive sprocket therefor journalled in said rear hub, a front driven sprocket journaled on said front shaft adjacent said front drive sprocket, a chain operatively connecting said last two sprockets, and means detachably connecting said two front

sprockets together for unitary operation, said means comprising thumbscrews threaded through



the driven sprocket into cavities made at corresponding points in said front drive sprocket.

2,277,728

SOAP

Richard Thomas and Henry Bowen Oakley, Bromborough, England, assignors to Lever Brothers Company, a corporation of Maine

No Drawing. Application March 22, 1938, Serial No. 197,376. In Great Britain March 24, 1937

3 Claims. (Cl. 252—109)

1. A soap product having improved hard water characteristics comprising a water soluble soap of a mixture of soap forming fatty acids, said soap forming fatty acids comprising at least about 10% polyethylenic fatty acids, not more than about 20–25% saturated soap forming fatty acids having at least sixteen carbon atoms, and not more than a total amount of about 30–40% saturated soap forming fatty acids, and by weight one part of an alkaline reacting alkali metal orthophosphate calculated as an anhydrous salt to 3.5 to 15 parts of the fatty acids in said soap, said soap product being in a solid finely divided form to ensure rapid solution in water, whereby said soap product may be dissolved in hard water without substantial precipitation of insoluble soaps.

2,277,729

SOAP

Richard Thomas and Henry Bowen Oakley, Bromborough, England, assignors to Lever Brothers Company, a corporation of Maine

No Drawing. Application March 22, 1938, Serial No. 197,377. In Great Britain February 23, 1938

3 Claims. (Cl. 252—109)

1. A soap product having improved hard water characteristics comprising a water soluble soap of a mixture of soap forming fatty acids, said soap forming fatty acids comprising at least about 10% polyethylenic fatty acids, not more than about 20% to 25% saturated soap forming fatty acids having at least 16 carbon atoms and not more than a total amount of about 30–40% saturated soap forming fatty acids, and by weight 1 part of an alkali metal polyphosphate calculated as an anhydrous salt to 2 to 5 parts of the fatty acids in said soap, said soap product being in a solid finely divided form to ensure rapid solution in water, whereby said soap product may be dissolved in hard water without substantial precipitation of insoluble soaps.

2,277,730

SOAP

Richard Thomas and Henry Bowen Oakley, Bromborough, England, assignors to Lever Brothers Company, a corporation of Maine

No Drawing. Application March 22, 1938, Serial No 197,378

3 Claims. (Cl. 252—109)

1. A soap product having improved hard water characteristics comprising a water soluble soap of a mixture of soap forming fatty acids, said soap forming fatty acids comprising at least about 10% polyethylenic fatty acids, not more than 20%–25% saturated soap forming fatty acids having at least 16 carbon atoms, and not more than a total amount of about 30–40% saturated soap forming fatty acids, and by weight 1 part of an alkali metal pyrophosphate calculated as an anhydrous salt to 2.2 to 8.2 parts of the fatty acids in said soap, said soap product being in a solid finely divided form to ensure rapid solution in water, whereby said soap product may be dissolved in hard water without substantial precipitation of insoluble soaps.

2,277,731

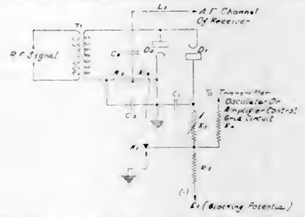
MEANS FOR SILENCING RECEIVERS DURING OPERATION OF TRANSMITTERS

Emerick Toth, Cheverly, Md.

Application January 22, 1941, Serial No. 375,419

4 Claims. (Cl. 250—13)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means adapted to silence a receiver during the operation of a transmitter having a key, comprising a pair of half wave rectifiers each so connected as to pass, when conducting, an alternate half cycle of the R. F. signal wave received by said receiver, means normally blocking one of said rectifiers and means operated by the key of said transmitter to unblock said normally blocked rectifier.

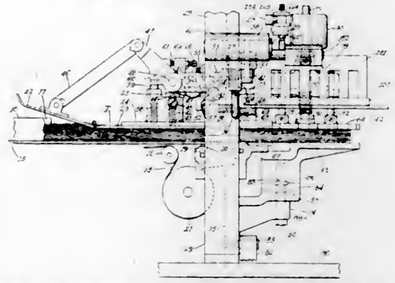
2,277,732

FILLER FEED AND CHARGE FORMER FOR CIGAR MACHINES

Verner J. Wahlstrom, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application June 11, 1938, Serial No. 213,154

18 Claims. (Cl. 131—81)



1. In a cigar machine, the combination with mechanism for compacting a continuous layer of long filler tobacco, of means for cutting bunch lengths from said layer, means for elevating said lengths to the bottom of a vertical laminated column of tobacco, mechanism positioned opposite the sides of said column, means for moving said mechanism to compress said tobacco laterally, and means for cutting bunch charges from said column.

2,277,733

DIELECTRIC MATERIAL AND METHOD OF MAKING THE SAME

Eugene Wainer and Norman R. Thielke, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 27, 1939, Serial No. 270,462

5 Claims. (Cl. 106—46)

1. In the method of preparing a fired ceramic dielectric material, the steps which comprise mechanically purifying naturally occurring rutile, and incorporating said purified rutile into a body containing less than 1% total oxides of iron, copper, alkali metals, manganese, vanadium, cobalt and nickel, less than 0.1% P_2O_5, less than 3% alumina, and less than 5% total silica and zirconium silicate, and then firing said body to form a ceramic mass.

2,277,734

DIELECTRIC MATERIAL AND METHOD OF MAKING THE SAME

Eugene Wainer and Norman R. Thielke, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 4, 1939, Serial No. 282,810

8 Claims. (Cl. 106—46)

1. The method of forming a ceramic dielectric material comprising firing at an elevated temperature a composition containing 80 to 97% of titanium dioxide and 3 to 20% of a preformed material taken from the class consisting of calcium titanate, strontium titanate, barium titanate, cadmium titanate, zinc titanate, and divalent lead titanate.

2,277,735

REFRACTORY COMPOSITION

Eugene Wainer and Harold D. Prior, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 2, 1940, Serial No. 368,222

2 Claims. (Cl. 106—57)

1. A composition suitable for forming refractory masses comprising zircon, and 0.010 to 0.014 part of sodium silicofluoride, 0.4 to 0.6 part of calcium zirconium silicate, 0.007 to 0.009 part of oxalic acid, 0.015 to 0.019 part of tetrasodium pyrophosphate, 0.015 to 0.019 part of Portland cement, and 1.7 to 2.3 parts of silica per 100 parts of zircon.

2,277,736

DIELECTRIC MATERIAL AND METHOD OF MAKING THE SAME

Eugene Wainer and Norman R. Thielke, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Original application July 4, 1939, Serial No. 282,810. Divided and this application February 3, 1941, Serial No. 377,207

2 Claims. (Cl. 106—46)

1. The method of forming a ceramic dielectric material comprising firing at an elevated temperature a composition containing 80 to 97% of titanium dioxide and 3 to 20% of boron titanate.

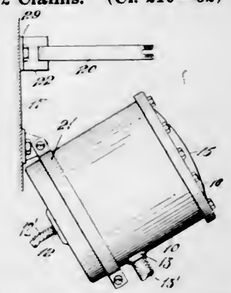
2,277,737

OIL FILTER MOUNTING

James W. Wilkinson, Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island

Application August 4, 1939, Serial No. 288,374

2 Claims. (Cl. 210—62)



1. A filter of the type permanently connected to the lubricating system of an internal combustion engine in a vehicle, comprising a filter casing having inlet and outlet openings and a removable cover, a replaceable cartridge between said inlet and outlet openings, flexible conduits connecting said inlet and outlet openings to said lubricating system, a device for sustaining the filter, said device comprising two parts, means for mounting both of said parts on a support forming a part of the vehicle and in a position in which the cartridge cannot be removed from the casing, a carrier connected to the casing, means for pivotally mounting said carrier on one of said parts, and means on the other of said parts for detachably engaging said casing for assisting in retaining the filter in working position whereby the casing may be released from one part and swung bodily with reference to the other part without disconnection of said conduits for removal and replacement of the cartridge in said casing.

2,277,738

MOUNTING DEVICE FOR OIL FILTERS

James W. Wilkinson, Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island

Application August 4, 1939, Serial No. 288,375

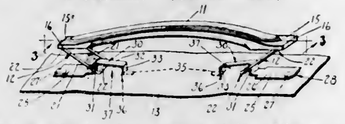
2 Claims. (Cl. 210—62)



1. In a mounting for a filter of the type permanently connected to the lubricating system and in the working position of which a cartridge is obstructed from removal, the combination of a support for sustaining the filter, a filter casing having inlet and outlet openings and a removable cover, a replaceable cartridge between the inlet and outlet openings, flexible conduits connecting said inlet and outlet openings to said lubricating system, a device for sustaining the filter in desired position, said device comprising two separate parts, means to mount one part permanently on said support and means for mounting the other part permanently on said filter casing, said

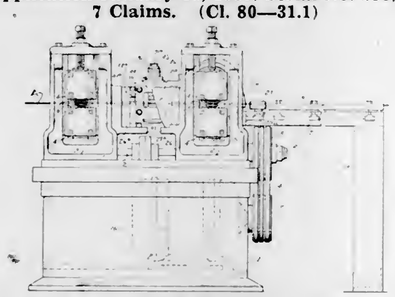
parts being provided with detachable interengaging portions for releasable connection to lock the parts together for mounting the filter in working position whereby the parts may be detached and the casing bodily moved to a different position without detachment of the flexible conduits for access to the cover in removing the same and cartridge within.

2,277,739
HANDLE
Everett Worthington, deceased, late of Scarsdale, N. Y., by Lucile Worthington, administratrix, Berkeley, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1939, Serial No. 289,068
2 Claims. (Cl. 16—115)



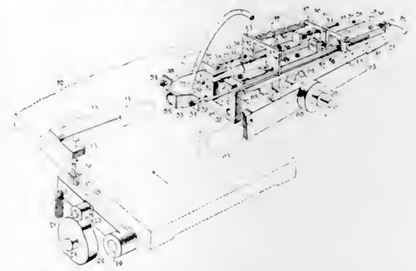
1. A handle for luggage and the like, comprising in combination, a hand grip member, a pair of links the outer ends of which are hingedly connected to the opposite ends of said hand grip, and a pair of spaced bracket members secured to the luggage adjacent the opposite ends of the hand grip and having integral stationary and elongated carrier loops in which the inner ends of said links are engaged, the inner ends of said links being slidable inwardly within said carrier loops to permit said hand grip member to be collapsed tightly against the luggage when the hand grip is not in use, said hand grip member having cut away portions on the inner wall thereof adjacent its opposite ends to house and telescope over said bracket members when said hand grip member is in collapsed position.

2,277,740
MACHINE FOR OPERATING ON SHEET METAL
Carl M. Yoder, Lakewood, Ohio
Application January 31, 1939, Serial No. 253,756
7 Claims. (Cl. 80—31.1)



1. In apparatus of the class described, the combination with a support relative to which a web of sheet metal feeds and provided with transversely arranged guide-ways, of a carrier provided with rollers in engagement with said guide-ways and comprising a pair of housings and a device extending between and adjustably connected at its opposite ends to said housings to secure them in fixed spaced relation, and an edging member rotatably mounted in each housing and arranged to engage one edge of the web, said rollers permitting the carrier to move laterally in either direction, whereby said members follow the edges of the web due to camber therein.

2,277,741
CIGAR PERFORATING MECHANISM
Clarence Edward Zarfos, Red Lion, Pa., assignor, by mesne assignments, to International Cigar Machinery Company, a corporation of New Jersey
Application March 5, 1936, Serial No. 67,367
14 Claims. (Cl. 131—255)



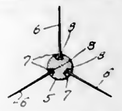
1. A cigar punching mechanism comprising a flat imperforate support; means for holding a cigar having a tapered end on said support, including a substantially vertically movable clamping member, and means for moving said member to and from said support to clamp said cigar thereon; a punching device movable into and out of contact with the tapered end of said cigar; a locating means movable into and out of contact with the cigar for positioning it while said punching device is operating on the cigar; and means for causing synchronized movement between said locating means and said punching means.

2,277,742
TENT CANVAS PROTECTOR
Wilbur F. Crawford, Waco, Tex.
Application March 25, 1941, Serial No. 385,186
7 Claims. (Cl. 135—15)



1. A tent rafter pad comprising a length of fabric adapted to overlie the top edge of a rafter, and rafter engageable attaching members secured thereto.

2,277,743
ARROW
Robert Burns Crossman, San Antonio, Tex.
Application June 7, 1941, Serial No. 397,126
4 Claims. (Cl. 273—106.5)

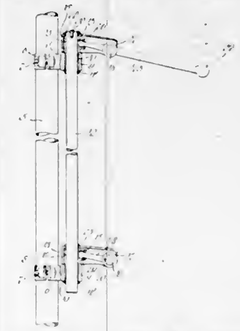


1. In an archery arrow, a shaft provided at the feather-equipped end thereof with elongated grooves, and feathers having the base portions thereof anchored within said grooves, said grooves being adapted to receive the feathers completely therein when the latter are compressed by wiping contact with objects when shot from a bow.

2,277,744
PEST CONTROL
Martin E. Cupery and Arthur P. Tanberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 15, 1940, Serial No. 352,812
6 Claims. (Cl. 167—45)

1. A weed control composition containing as an essential active ingredient a sulfamate.

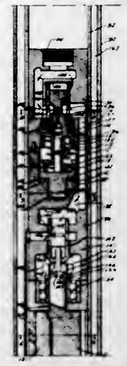
2,277,745
GEARSHIFT CONTROL
Donald S. Dence, Ernest E. Eaton, and Robert Lapsley, Berrien Springs, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 30, 1940, Serial No. 367,942
12 Claims. (Cl. 74—484)



1. The combination, with the steering column of a vehicle, of a pair of identical brackets spaced longitudinally thereon and having alined collar portions, a bushing mounted in each collar portion and having a head portion provided with a laterally opening channel, a shaft extending through said bushings and rotatably supported therein, a laterally extending arm secured to said shaft around each head portion and terminating in a pivot portion, a lever pivoted in each of said pivot portions and having one end engageable in said channels of said bushings, one of said levers being manually operable to rotate said shaft in said bushing upon bodily swinging movement thereof and to move said shaft axially upon pivotal movement thereof whereby the other lever is correspondingly actuated, and means connected to said other lever and operable thereby for selecting and shifting gears in a remotely disposed transmission.

2,277,746
FLUID REGULATOR
Harold R. Downs, Tulsa, Okla.
Application March 20, 1939, Serial No. 263,021
8 Claims. (Cl. 121—1)

1. A fluid pressure regulator for use with a fluid motor adapted to operate against a variable back pressure, comprising a plurality of cooperating pistons, supply fluid means cooperating with the pistons to provide an orifice, one of said pistons movable in response to supply fluid pressure to meter fluid through the orifice to the motor, said motor adapted to produce discharge fluid pressure under back pressure conditions, and means for diverting discharge fluid pressure from the motor operating against a back pressure against each of the pistons for controlling the movement of the first mentioned piston with respect to the orifice in order to control the velocity of the supply fluid passing the orifice.



2. A fluid regulator for controlling the flow of fluid to a fluid motor adapted to operate against a variable back pressure, comprising a plurality of cooperating pistons, a manifold cooperating with the pistons to provide a port, one of said pistons movable in response to supply fluid pressure to meter fluid through the port to the motor, means for introducing inlet fluid to the other of said pistons, and means for diverting discharge fluid pressure from the motor when operating against a back pressure against each of the pistons for automatically controlling the movement of the first mentioned piston with respect to the port whereby supply fluid is metered through the port at a velocity necessary for maximum operation of the motor against any back pressure condition.

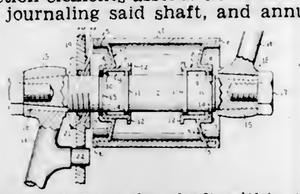
2,277,747
ARTIFICIAL TEXTILE MATERIALS, ETC.
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 26, 1938, Serial No. 192,786. In Great Britain March 15, 1937
12 Claims. (Cl. 91—70)

1. Process for the production of artificial materials of improved resilience, which comprises dissolving out of materials comprising filaments, ribbons or the like of a stable organic derivative of cellulose, a substance contained in said materials and soluble in a non-solvent for the cellulose derivative, by treating the materials in a bath containing said non-solvent, impregnating materials, in the same bath, with synthetic resin-forming matter, and subsequently heating the materials to convert said resin-forming matter into a water-insoluble synthetic resin.

2,277,748
CRANK MECHANISM FOR BICYCLES
Thomas I. Duffy, Detroit, Mich., assignor to Delray Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 2, 1941, Serial No. 372,732
4 Claims. (Cl. 308—179.5)

1. In a bicycle crank mechanism, the combination with the crank shaft and usual cylindrical hanger bracket of a bicycle frame, of a pair of adapter rings press-fitted in the ends of said bracket, a pair of bearing cups press-fitted within said rings and projecting from the rings toward each other and formed with interior flanges

at their relatively remote ends, a set of rotatable anti-friction elements assembled in each cup and directly journaling said shaft, and annular ribs



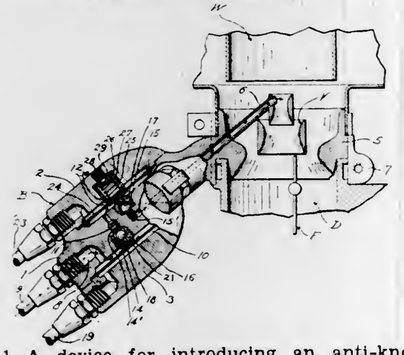
integrally carried by the shaft within the relatively adjacent ends of said cups, the anti-friction elements being restrained from endwise movement jointly by said ribs and flanges.

2,277,749

DEVICE FOR INTRODUCING COMBUSTION CONTROLLING AND OTHER SUBSTANCES INTO INTERNAL COMBUSTION ENGINES

Vincent W. Eckel, Alhambra, and Lawrence A. Sanchez, Huntington Park, Calif., assignors, by mesne assignments, to Octanizers, Incorporated, Huntington Park, Calif., a corporation of California

Application April 1, 1939, Serial No. 265,576
4 Claims. (Cl. 123—198)



1. A device for introducing an anti-knock compound into the cylinders of an internal combustion engine, including a source of supply of such compound apart from the source of supply of fuel for the engine, and means adapted for feeding such compound from said source into the fuel feed line of the engine, a normally closed valve for shutting off the feed of said compound to said line, another valve for controlling the feed of said compound to said line, means adapted to operate responsive to a force developed in and when said engine is operated, for opening said normally closed valve, and other means automatically adapted to open the second-named valve responsive to forces developed in the engine when the engine is operated in such manner as to cause a detonation of the fuel.

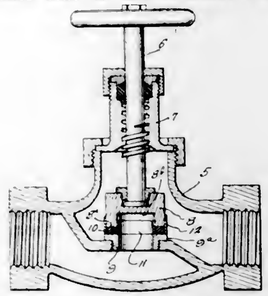
2,277,750

VALVE

Melvin Anderson Enquist, Sugar Land, Tex.

Application June 24, 1941, Serial No. 399,508
2 Claims. (Cl. 251—160)

1. As a new article of manufacture, a plug valve of circular shape in cross-section and having an annular recess in its lower end providing an annular lower flange, the internal and external walls of which are plain, a ring of resilient material having its upper edge vulcanized to the lower end of the flange and said ring being of the same width of the flange, and a pair of rings of hard material and of narrow cross-sectional shape, one ring being vulcanized at its lower end to the inner side of the resilient ring and the



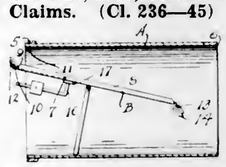
other to the outer side of the resilient ring, the narrow rings having their lower edges flush with the bottom edge of the resilient ring and the upper portions of the narrow rings having sliding contact with the flange.

2,277,751

DRAFT CONTROL

Roye W. Franks, Little Rock, Ark.

Application June 12, 1939, Serial No. 278,676
6 Claims. (Cl. 236—45)



6. A draft control device for furnaces comprising a casing which when cross sectioned has opposite sides parallel, with one end open to the atmosphere and the other end so adapted that it can be attached to the flue pipe of the furnace but not in the path of travel of consumed gases, a single draft responsive rectangular plate valve pivotally mounted in said casing near the open end thereof, with the pivotal axis of the valve near one end thereof and off center in relation to a medial plane of the casing, an adjustable weight in conjunction with said plate valve to alter balance thereof, said plate valve when closed being diagonally supported longitudinally in said casing, with one end engaging the inner surface of one side of said casing and the other end resting on the opposite side of the casing, said valve being at such an angle that the effective area is substantially increased, and the rotative angle substantially decreased whereby the draft through the furnace is accurately and sensitively controlled.

2,277,752

ARTICLE OF FURNITURE

Samuel Frey, Brooklyn, N. Y.

Application May 12, 1939, Serial No. 273,165
1 Claim. (Cl. 311—106)



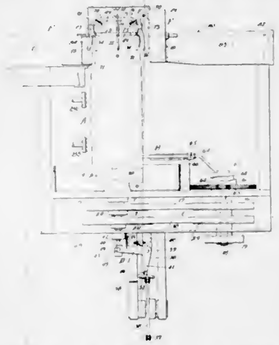
A table top comprising a core having substantially the shape and size of the finished top, the top surface of said core being embossed and indented to present an ornamental appearance, and a slab-like top layer of transparent resinous material integrally united with said top surface of said core, said top layer having a flat top surface and having a bottom surface conforming to the configuration of said core.

2,277,753

ART OF RAYON MANUFACTURE

William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey

Application April 25, 1939, Serial No. 269,881
9 Claims. (Cl. 18—8)



1. Apparatus for laying up thread in cakes comprising a vertically disposed rotating cage-like cylinder composed of a plurality of longitudinally extending movable bars arranged in circumferentially spaced relation and mounted for radial in and out and for up and down movement, a traverse guide for laying thread on said cylinder in cakes adjacent the lower end thereof, a spring catch carried by each of said bars at the upper end thereof, a ring-like member associated with said catches and mounted for up and down movement, cam means for imparting said in and out movement to said bars, and means for imparting said up and down movement to said ring-like member, said cam means and said last mentioned means being so coordinated that the ring-like member moves downwardly when the bars are in their downward and outward position to engage said catches, then moves upwardly carrying the bars with it, that the bars then move inwardly one after the other to release the catches and permit the bars to drop downwardly and be moved outwardly and that said cycle is repeated.

2,277,754

SORTING OF YARN PACKAGES

Albert Fairholme Guyler, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application March 15, 1940, Serial No. 324,046
In Great Britain March 21, 1939
4 Claims. (Cl. 209—87)

1. Apparatus for sorting yarn packages in accordance with the amount of yarn contained thereon, said apparatus comprising a rotatable table having a circular series of openings therein, a pair of spring-loaded flaps for each opening, hinged one on each side of each opening, a plurality of cams, disposed in a circular series corresponding to said series of openings, and each adapted to press said flaps open to a predetermined extent, the cams overlapping each other to provide a continuous operating edge, separate means for adjusting independently the extent of opening produced by each of said pressing cams,



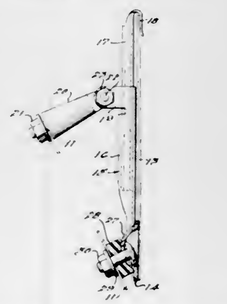
and means for collecting packages passing through said openings at each of said pressing cams.

2,277,755

LICENSE PLATE BRACKET MOUNTING

Wray C. Hansen, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 20, 1940, Serial No. 330,659
7 Claims. (Cl. 40—125)



1. In a device for mounting an identification plate on a vehicle body portion having a radius of curvature; a support for the plate including a vertically disposed member and a horizontally disposed member relatively rigid therewith, means adapted to connect said vertically disposed member with said body portion and predetermine the relative angular relationship of said plate and body portion, and means adapted to form a connection between said horizontal member and said body including relatively movable parts having abutting complementary arcuate surfaces accommodating tilting of said support and plate to the relatively angular relation as predetermined by said connecting means.

2,277,756

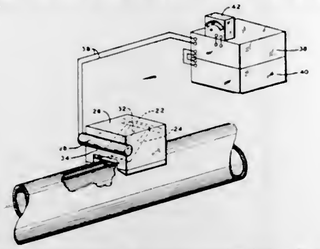
METHOD AND APPARATUS FOR MEASURING THICKNESS

Donald G. C. Hare, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 26, 1940, Serial No. 342,422
10 Claims. (Cl. 250—83.6)

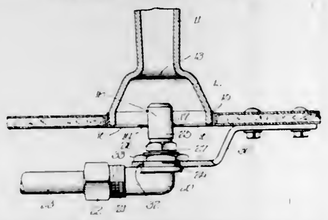
1. The method of measuring the thickness of a wall from one side thereof which comprises directing a beam of penetrative radiation into

said wall from one side thereof, and determining from the same side of said wall the amount of



radiation scattered in the material of the wall and returned outwardly of said side.

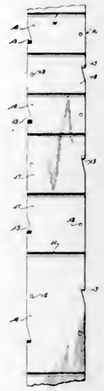
2,277,757
FITTING FOR GAS BURNERS
Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, a corporation of Illinois
Application May 8, 1939, Serial No. 272,332
1 Claim. (Cl. 158—118)



The combination of a support having an opening therethrough and a gas feeding orifice fitting adapted to have its outlet end inserted through said support opening and to be held by said support in gas feeding relationship to a burner, said orifice fitting having a body portion provided at one end with means for connecting the same to a gas pipe and further having a flange provided with a surface facing the outlet end of said orifice fitting and of greater dimension than the opening in said support, and being adapted to contact and embrace one side of said support when said orifice fitting is mounted therein, a hub on said body portion adjacent said flange and on the outlet side thereof being adapted to extend through the opening in said support, and holding means cooperating with said hub and being adapted to engage said support and clamp the same against said flange, the outlet end of said orifice fitting being disposed beyond said hub and comprising an extension and a cooperating outlet member mounted for rotative adjustment on said extension to provide a proper gas feeding action, said outlet member having an overall dimension less than the internal dimension of said holding means whereby said holding means may be removed from said hub and withdrawn over the outlet end of said fitting and the fitting thereby freed for removal from said support without disturbing the adjustment of said outlet member.

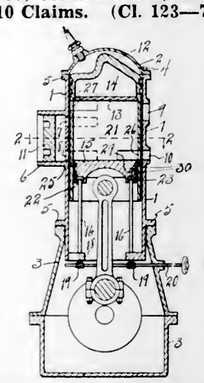
2,277,758
SHIELD
Frank J. Hawkins, Hyattsville, Md.
Application August 28, 1941, Serial No. 408,685
1 Claim. (Cl. 189—34)

A stock shield strip from which varying lengths may be removed for application to building structures externally of the location of electric wiring to protect the same from injury by subsequently driven nails, comprising a strip of metal of thickness and resistance to penetration sufficient to turn a nail capable of damaging wiring, said strip bearing lines of weakness marking the same into unit lengths and other lines of weakness dividing the same into other lengths com-



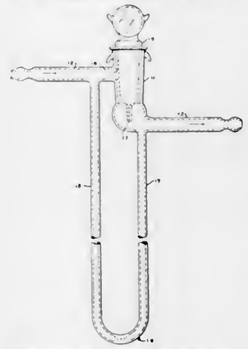
prising aliquot parts of said units whereby a length closely corresponding to a needed length may be readily broken off from the stock strip, said unit and certain of said aliquot part lengths forming adjacent the edges thereof with means for reception of securing means, whereby said securing means will not touch the wiring when driven to attach the shield to the structure to be protected.

2,277,759
INTERNAL COMBUSTION MOTOR
Elbert E. Heuschober, Fort Worth, Tex.
Substitute for abandoned application Serial No. 106,748, October 21, 1936. This application May 19, 1939, Serial No. 274,569
10 Claims. (Cl. 123—74)



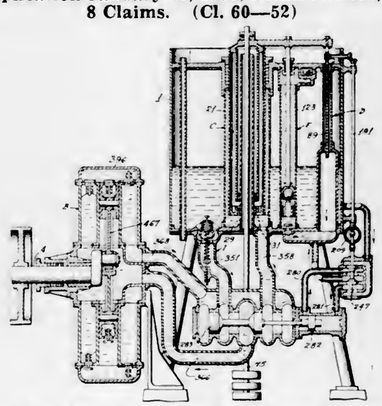
2. An internal combustion motor consisting of a cylinder and a piston adapted to reciprocate therein, an adjustable member disposed in said cylinder, said piston being adapted to reciprocate over said member and form a chamber in said piston, an adjustable by-pass carried on said cylinder and adapted to intermittently register with said piston chamber and the combustion end of said cylinder, and means for passing fuel mixture through said piston chamber, by-pass, and into said combustion chamber, and a cooling medium carried in said motor and interposed between said piston chamber and said combustion chamber.

2,277,760
FLOWMETER
Vance E. Hoffman and Everett F. Kelm, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 6, 1940, Serial No. 312,743
5 Claims. (Cl. 73—211)



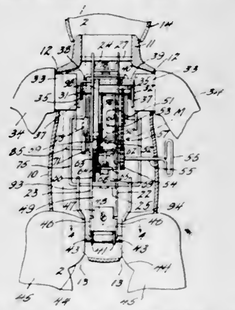
1. In an all glass flow meter, a hollow body having a tapered open end, tubular extensions communicating with the interior of the body, a readily replaceable plug tapered to fit into the open end of the body a distance below one of its tubular extensions and stopping at a point above the other of said extensions, said plug having a constricted passage therethrough extending between said tubular extensions, and means in communication with said tubular extensions for indicating the difference in fluid pressure on opposite sides of the passage.

2,277,761
HYDRAULIC PUMPING APPARATUS
William E. Hubbard, Tulsa, Okla., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla., a corporation of Oklahoma
Application January 20, 1939, Serial No. 252,032
8 Claims. (Cl. 60—52)



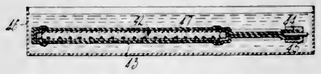
1. A hydraulic transmission apparatus comprising a cylindrical member provided with an upper and lower head, said upper head disposed below the top of the cylindrical member to form a reservoir, a plurality of concentric cylinders provided within the cylindrical member, a piston disposed between the cylinders, a fluid under pressure contained within the cylindrical member, a radial pump secured to the lower head for supplying fluid to reciprocate the piston unit, said reservoir receiving any fluid leakage flowing by the piston unit, and means disposed within the cylindrical member in communication with the reservoir for delivering the leakage fluid back to the cylindrical member.

2,277,762
ANIMATED DOLL
Joseph V. Irenius, Brooklyn, N. Y., assignor to Cecilia E. Bowers, Arlington, Va.
Application November 18, 1939, Serial No. 305,179
18 Claims. (Cl. 46—118)



1. In a doll of the type described, in combination, a body, a head, arms and legs, a spring motor fitted in said body, a frame for said motor, means journalling the arms and legs each for independent movement, a lever on each limb and extending within said body, a single rocker pivoted to said motor frame, means to oscillate said single rocker from said motor, and means to drive each lever from said rocker.

2,277,763
METHOD OF MAKING BATTERY PASTE RETAINERS
Alexis W. Keen, Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 21, 1937, Serial No. 170,224
12 Claims. (Cl. 136—176)

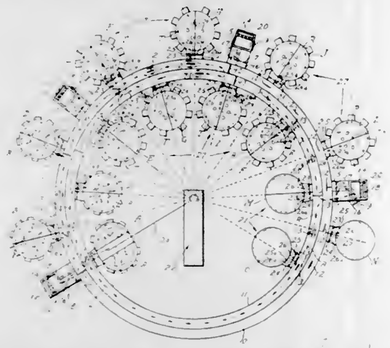


8. In the method of attaching thermoplastic paste retaining material to a battery grid, the steps which comprise placing the assembly of a grid covered with thermoplastic paste retaining material into a flexible air tight bag, withdrawing air from the bag, and heating the bag enclosing the assembly, whereby the thermoplastic paste retaining material is made to conform to the surface configurations of the grid.

2,277,764
BRICK TREATING METHOD AND APPARATUS THEREFOR
George B. Kissinger, Takoma Park, Md.
Application November 2, 1936, Serial No. 108,893
5 Claims. (Cl. 25—135)

5. The method of treating ceramic or anal-

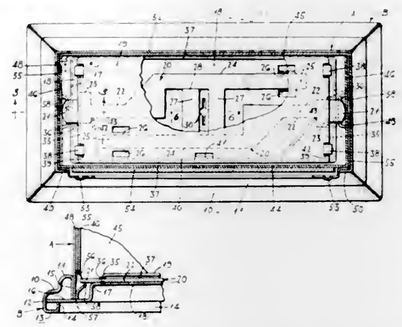
ogous material such as brick to obtain finished brick by means of a continuous fifteen-day treating process, comprising the steps of stacking one-fourth of the full charge in position to be treated, completely enclosing said partial charge with kiln sections, passing tempered waste gases from cooling kilns through said materials for approximately twenty-four hours, completely removing said kiln sections from said partial charge to allow free circulation of air through the partially dried material whereby the harmful gases are rapidly dissipated to permit the stacking of further green material and stacking a second one-fourth of the full charge upon said first-mentioned one-fourth charge, completely enclosing said partial charges with said kiln sections and passing said tempered waste gases through said partial charge for approximately twenty-four hours, repeating said steps until the several one-fourth charges are partially dried and the last



one-fourth of the full charge has been subjected to said tempered gases for approximately twenty-four hours, then passing untempered waste gases from a burning kiln through said material for twenty-four hours to effect water-smoking and through said water-smoked material while firing said material for twenty-four hours to pre-heat said charge, increasing the firing of said material for seventy-two hours to effect burning of said charge, withdrawing the fire from said material and allowing forty-eight hours to effect partial cooling of said charge while covered and without admission of external air, permitting ingress of external air to the covered material for a further twenty-four hours to effect further cooling of said charge completely removing said kiln sections from said material and permitting material to cool for forty-eight hours in the open to complete the cooling and removing said material to a storage room or to any other desired point.

2,277,765
PICTURE STAND
Edwin Klahn, New York, N. Y., assignor to Adolf C. Blechner, New York, N. Y.
Application August 31, 1939, Serial No. 292,805
6 Claims. (Cl. 40—152.1)

1. A stand comprising an upright member having a sheet metal frame structure, said upright member also having spaced vertical front, back and side walls, and a detachable base, said base having a rectangular groove tightly receiving the lower edges of said walls, and said base also including a plate member, a snap bar arrangement including a pair of bars, said plate member being provided with guide means to guide said arrangement and spring means to actuate said arrangement into attached position and the lower interior edges of said side walls



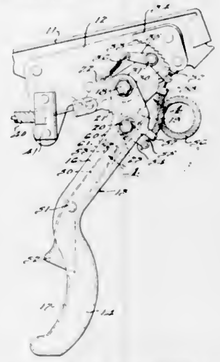
where received in said groove being notched to engage the ends of said bars.

2,277,766
HOSIERY
Ferdinand Klumpp, Weehawken, N. J.; Bessie Klumpp, executrix of Ferdinand Klumpp, deceased, assignor to Robert Reiner, Incorporated, a corporation of New Jersey
Application July 20, 1939, Serial No. 285,520
2 Claims. (Cl. 66—172)



1. In a stocking, a strain absorbing fabric comprising: a multiplicity of elastic warp yarns; an elastic weft yarn laid in to cross said warp yarns at an angle; a multiplicity of inelastic warp yarns, one associated with each elastic warp yarn, each of said inelastic warp yarns being knitted in a wale of chain loops engaging its associated elastic warp yarn and tying in the elastic weft yarn portions crossing the latter; and, a multiplicity of interlocking inelastic warp yarns each connecting three adjacent wales of chain loops by zig-zagging between an intermediate wale and a length of a wale on one side thereof, and then zig-zagging between said intermediate wale and a length of a wale on the other side thereof, the elastic weft yarn crossing the elastic warp yarns at a point where the interlocking inelastic warp yarns pass from a wale on one side of the intermediate wale to a wale on the other side of said intermediate wale.

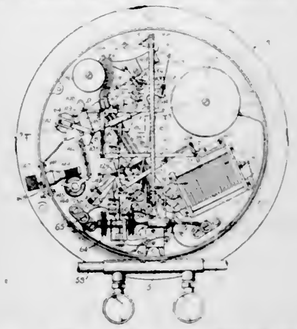
2,277,767
EMERGENCY BRAKE CONTROL
Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 2, 1940, Serial No. 368,151
9 Claims. (Cl. 74—537)



1. A repeating stroke emergency brake control comprising a pivoted brake lever, a movable, brake setting ratchet rack pivotally supported at the pivotal axis of said lever, first pawl means carried by said lever and operatively engageable with the teeth of said movable ratchet rack to move said movable ratchet rack toward brake setting position, a fixed ratchet rack disposed adjacent said movable ratchet rack, second pawl means carried by said movable ratchet rack and operatively engageable with the teeth of said fixed ratchet, releasing means for said second pawl means comprising a trigger mounted on said brake lever and a connection between said second pawl means and said trigger including a Bowden cable, the casing of which is anchored to said movable ratchet rack at one end and to said brake lever at the other end and looped therebetween so that movement of said brake lever may be accommodated without disturbing said second pawl means, and a resilient member forcing said first pawl means into engagement with said movable ratchet rack and permitting said first pawl means to ride back over the teeth of said movable ratchet rack so that said brake lever may be moved through repeating cycles each advancing said movable ratchet rack.

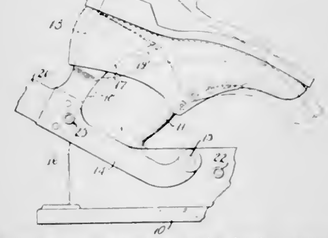
2,277,768
CONTROL APPARATUS
Clesson E. Mason, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Original application July 31, 1935, Serial No. 34,111, now Patent No. 2,216,039, dated September 24, 1940. Divided and this application August 25, 1938, Serial No. 226,622
8 Claims. (Cl. 137—78)

1. Means for establishing a pneumatic control pressure responsive to a variable condition comprising, in combination, condition-responsive means, a pilot valve, valve means responsive to the operation of said pilot valve for controlling the supply and waste of air from a source to establish said pneumatic control pressure, a pneumatic motor operated by said pneumatic control pressure, linkage mechanism including a first lever pivoted about an adjustable axis and operated by said condition-responsive means, a second lever pivoted solely about an axis movable by said pneumatic motor, a connecting link for transmitting motion of said first lever to said second lever, and an operating link for operating said pilot valve from said second lever, whereby



movement of said condition-responsive means and said pneumatic motor each operates said pilot valve to cause said pneumatic control pressure to change in accordance with movement of the condition-responsive means.

2,277,769
LAST FOR FOOTWEAR
Frank J. MacDonald, Brookline, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 4, 1941, Serial No. 386,754
4 Claims. (Cl. 12—123)

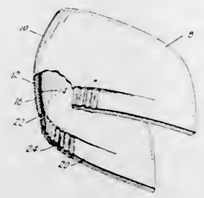


1. A last for footwear, said last comprising a base, a last member integral therewith, and a second last member pivotally secured to said base and slideable with respect to the first-named last member, said last members providing a sole supporting surface separable at the shank region of the last by the pivotal movement of said second last member.

2,277,770
MOLDED BACK PART
Lester S. Macdonald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 13, 1940, Serial No. 370,037
8 Claims. (Cl. 36—45)

1. As an article of manufacture, a quarter assembly for a shoe, said quarter assembly comprising an upper, lining and counter stiffener tion of a last on which the shoe is to be assembled and having a lasting margin defined by a circumferential crease, said margin extending substantially normal to the plane of said crease, said crease forming a shoulder about the interior wall

of the quarter assembly arranged for engagement with the edge of the last to position the quarter



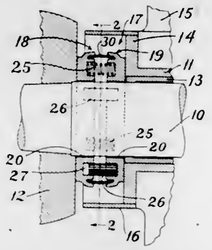
assembly thereon for a subsequent lasting operation.

2,277,771

OIL SEAL RING FOR PROPELLER SHAFT LUBRICATION

Alexander McNab, Bridgeport, Conn., assignor to McNab of Bridgeport, Inc., Bridgeport, Conn., a corporation of Connecticut

Application March 7, 1940, Serial No. 322,680
1 Claim. (Cl. 286—11)



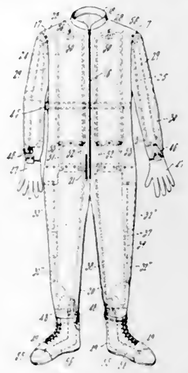
In an oil seal for propeller shafts, a pair of continuous metal rings disposed about the propeller shaft between the stern tube end and the propeller hub, one of said rings having a flat side bearing against said stern tube end, the other of said rings having a flat side bearing against the propeller hub, said rings of internal diameter clearing said propeller shaft so as to have free movement relative thereto, recesses in the opposing faces of said rings, coil springs disposed between said rings and having their respective end portions in said recesses, said springs serving to maintain the respective rings against the stern tube end and the hub of the propeller, continuous channels in the opposing faces of said rings outwardly of said recesses, a continuous tube-like boot of a resilient oil and water resisting material having its respective ends disposed in said channels, said boot of such length as to be longitudinally compressed between said rings when the latter are against the propeller hub and the stern tube end respectively, said channels tapering to their bottom walls, said tube-like boot having a substantially uniform wall of greater thickness than the width of said channels at their bottoms whereby the end portions of said tube-like boot are compressed by the walls of the channels and form therewith fluid tight seals, and means independent of said springs and boot and connecting said rings for rotary movement together as a unit but for movement toward and from one another along said shaft as the shaft shifts longitudinally during use.

2,277,772

ELECTRICALLLY HEATED WEARING APPAREL

Louis Marick, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application March 8, 1941, Serial No. 382,373
17 Claims. (Cl. 219—46)



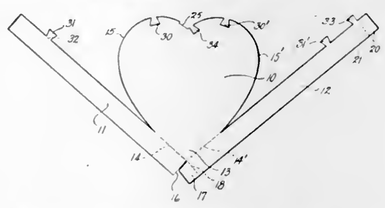
1. A garment having secured thereto an electrically heated sheet unit adapted to supply heat uniformly over a substantial surface area of the person wearing the garment, comprising a sheet carrying throughout its area a sufficient quantity of electrically conductive plastic composition to render such area conductive and capable of liberating heat energy when generated therein by conversion of electrical energy into heat, and spaced metal conductors contacting said composition along a substantial length thereof whereby to cause a current to flow from one conductor to the other throughout said area when a different electric potential is maintained between said conductors.

2,277,773

CARDBOARD BOX

John H. McGrath, Seattle, Wash.

Application July 22, 1940, Serial No. 346,685
8 Claims. (Cl. 229—8)



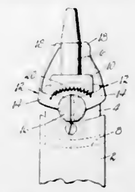
1. A one-piece blank for a box body, comprising a bottom forming section of heart-shaped contour and opposite side wall forming strips of rectangular form extending in angular divergence from the point of said bottom forming section and at opposite sides thereof; said strips being integral with that portion of the bottom section immediately adjacent the point and scored respectively along lines converging at the point of the bottom section and alined with the inner longitudinal edges of the strips for upward bending of the strips at right angles to the plane of the bottom section and for their shaping to the contour of the bottom section.

2,277,774

SHOE SUPPORT

Lloyd G. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 20, 1941, Serial No. 384,229
4 Claims. (Cl. 12—123)



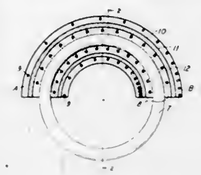
1. In a shoe support, the combination with a pin arranged to enter the spindle hole in the heel end of a last, of a pair of upper-spreading members having upper-spreading portions located respectively at opposite sides of said pin in positions to engage the top face of the heel end of the last as the last is presented on the pin, said upper-spreading portions of the members being movable away from each other widthwise of the last in response to pressure of said top face of the last thereon until they are far enough apart to receive the heel end of the last between them and being arranged thereafter to engage the opposite side faces of the last between the last and the upper as the last is moved farther into place on the pin.

2,277,775

INDUCTANCE DEVICE

Robert Mueller, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1940, Serial No. 358,411
7 Claims. (Cl. 175—356)



1. An electrical transformer comprising a magnetic core, a winding on said core, a second winding on said core inductively coupled to said first winding and comprising a multiturn layer adjacent said first winding, a grounded electrostatic shield between said layer and said first winding and an electrical connection between said shield and a turn of said layer, the turns of said layer near said one turn being more widely spaced from each other than other turns of said layer remote from said one turn.

2,277,776

FLASH LAMP

Carl W. Patton, Palisades Park, N. J., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application August 3, 1940, Serial No. 351,184
8 Claims. (Cl. 67—31)

1. A flash lamp comprising a glass bulb containing a combustible material and combustion supporting means, said bulb being coated on its inner surface with a film comprising low viscosity polyvinyl acetate, said film being transparent, capable of securing the combustible material in place, and adapted to reduce the dangers of shattering when the bulb is fired.

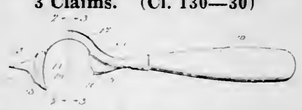


2,277,777

DEVICE FOR HULLING PEAS

Alton F. Ponto, Riceton, Saskatchewan, Canada

Application February 28, 1940, Serial No. 321,313
3 Claims. (Cl. 130—30)



1. A device for hulling seed pods, comprising a handle, a shank secured to the said handle, the said shank extending in a semi-circular curved portion, a wedge shaped projection on the outer surface of the curved portion having a V-shaped blade thereon, a scoop formed integral with the inner surface of the curved portion and a blade extending from the extremity of the said scoop to the said wedge shaped projection and a blade aligned with and projecting from the shank proper at the end of said curved portion near said handle on the under surface thereof, substantially as set forth.

2,277,778

PROCESS FOR PRODUCING SALTS

Merle Randall, Berkeley, Calif.

No Drawing. Application June 19, 1937, Serial No. 149,095
7 Claims. (Cl. 23—50)

1. The method of obtaining chemical compounds by a precipitation reaction which comprises separately and simultaneously adding relatively small amounts of a base and an acid in relatively concentrated form and in stoichiometric proportion to a relatively large body of a water miscible medium in which the reactants are soluble, said reaction products characterized by their high purity, their definite state of hydration, their high solubility in water, their ease of oxidation and their moderate solubility in the water miscible medium.

2,277,779

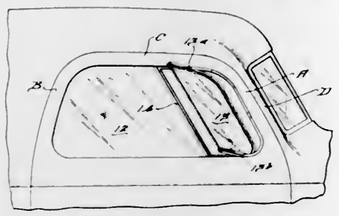
VENTILATING WINDOW

John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan

Application June 15, 1938, Serial No. 213,871
6 Claims. (Cl. 296—44)

1. In a window structure for a vehicle body having a window opening and a substantially vertically slidable transparent panel adapted to close a portion of said opening and having an inclined edge intermediate the front and rear up-

right edges of said opening, a wing type panel adapted to close the remaining portion of said window opening and having its upright edge adjacent said slidable panel extending substantially parallel to said edge of the slidable panel, and upper and lower pivots supporting said wing type



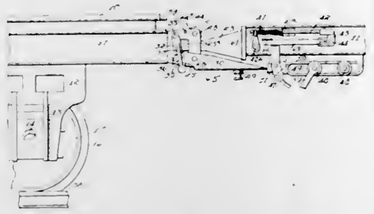
panel for lateral swinging movement about an inclined axis approximately bisecting said wing type panel and extending approximately in accordance with the inclination of the parallel edges of said panels, said upper pivot being offset outwardly and said lower pivot being offset inwardly from the plane of said wing type panel.

2,277,780

TRACK PILOT FOR ROAD AND RAIL CARS

George T. Ronk, Lanark, Ill.

Application October 1, 1938, Serial No. 232,751
4 Claims. (Cl. 105—215)



1. In a pair of road and rails cars, railway wheels mounted at one end of each of said cars for railway use, highway wheels mounted at the other end of each of said cars for highway use, means mounting said cars together in articulation, pilot wheels carried by the end of said car mounting said highway wheels for guiding said highway wheels when on rails, by being moved into contact with said rails, means actuated by uncoupling and coupling said cars for lowering and elevating respectively said wheels into and out of contact with said rails, said means comprising a frame slidably mounted in the ends of said cars mounting highway wheels, an axle supporting said pilot wheels, links extending downwardly and forwardly from said slidable frame, operatively connecting said axle to said frame, links extending upwardly and rearwardly from said axle, connecting said axle to the gear supporting said highway wheels, the first and second set of links being in diverging planes whereby movement of said frame rearwardly will elevate the said pilot wheels, means latching said frame to its rearward position of movement, means carried by the adjacent end of an adjoining car and adapted to be engaged by said slidably mounted frame to move said frame rearwardly to its latching position of movement as the cars are coupled together, and means for releasing said latching means.

2,277,781

PROCESS OF MAKING AND RECOVERING TETRAALKYL LEAD

George F. Ruddles, Chicago, Ill.

No Drawing. Application October 1, 1938, Serial No. 232,804
8 Claims. (Cl. 260—437)

1. A process of producing a lead alkide which comprises reacting a lead alkali metal alloy compound with an alkyl halide in an atmosphere of a hydrogen halide and in the presence of a minor proportion of bromine.

2,277,782

CRIMPING MATERIALS CONTAINING SYNTHETIC TEXTILE FIBERS

Edward W. Rugeley, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application May 3, 1939, Serial No. 271,511
21 Claims. (Cl. 28—1)

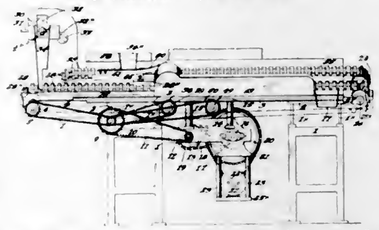
1. Process for modifying the texture (or properties or appearance) of a material, which comprises incorporating in said material stretched textile fibers capable of contraction and made from a vinyl resin having an average macromolecular weight of at least 12,000, and at least partially releasing the internal stresses in the vinyl resin fibers whereby said fibers are caused to shrink and become crimped.

2,277,783

MACHINE FOR BAG FORMING, FILLING, AND SEALING ARTICLES IN CELLULOSE BAGS

Lou Scharf, New York, N. Y.

Application September 16, 1939, Serial No. 295,187
6 Claims. (Cl. 93—3)



1. In bag-forming and packaging machines, the combination of a frame, a table, two parallel endless carriers on the frame, driving means for said carriers whereby they are moved at the same speed, a plurality of article-receiving members on the first carrier, a plurality of bag-tube carrying members on the second carrier, means for closing the discharge ends of the article-receiving members during a portion of their travel and inactive at a predetermined point in their travel, and compression means for closing the top ends of bag-tubes held in their carrying members, in combination with a third carrier intermediate the first and second carriers, means for moving said third carrier in synchronism with the other said carriers, and a plurality of funnel members on said third carrier.

2,277,784

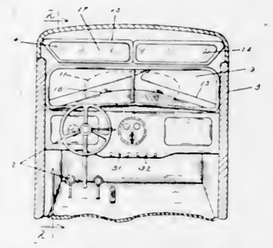
NIGHT DRIVING LIGHT FOR AUTOMOBILE INTERIORS

Oliver C. Schlemmer, Cincinnati, Ohio, and Roger E. Schlemmer, Kansas City, Mo.

Application June 26, 1939, Serial No. 281,162
6 Claims. (Cl. 240—7.1)

1. In a motor vehicle, the combination of an

operator's station, headlights for illuminating remote objects the visual picture of which comprises the central field of vision for the operator at said station, a night driving light consisting of means for producing a diffusely luminous zone wholly outside of the limits of the effective window of the windshield and of position and extent so as to displace darkness, in the absence of gen-



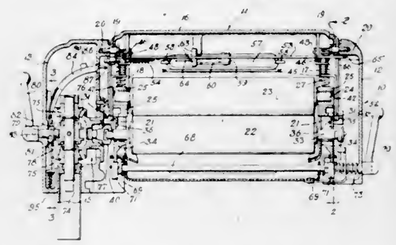
eral interior illumination, over a considerable portion of the upper peripheral field of vision of said operator looking at said central field of vision, said luminous zone having a brightness adjustable to be, as apparent to the operator, in substantial equality with the brightness of said central field of vision, and means for controlling the brightness of the luminous zone.

2,277,785

WRINGER

Simon E. Schroeder, Chicago, Ill., assignor to Barlow & Seelig Manufacturing Company, Ripon, Wis., a corporation of Delaware

Application August 4, 1937, Serial No. 157,284
5 Claims. (Cl. 68—263)



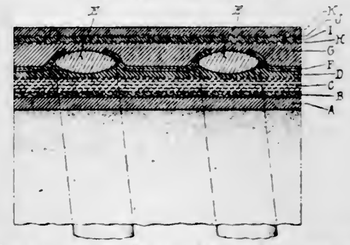
1. A wringer comprising, in combination, a lower frame section, an upper frame section pivotally mounted on said lower section for relative swinging movement on a horizontal axis, an upper wringer roll, slidable bearings in said upper frame section for supporting said upper roll, means for limiting the movement of said bearings toward the lower frame section, resilient means acting on said bearings to urge them yieldably against the limiting means, a lower wringer roll cooperative with said upper roll, lower roll bearings mounted in said lower frame section for movement toward and away from the upper frame section, means for releasably latching the frame sections together with said rolls in cooperative contact, and cam means associated with said lower bearings and having a plurality of cam faces thereon movable selectively into engagement with said lower bearings to shift the lower bearings variably toward the upper frame section against the force of said resilient means, the resulting pressure between the rolls being effective to hold the bearings engaged with any selected cam faces.

2,277,786

PRESSURE HOSE

Ernest Schulthess, South Orange, N. J.

Application March 18, 1940, Serial No. 324,592
6 Claims. (Cl. 138—56)



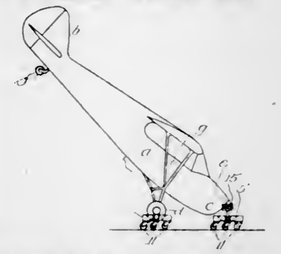
2. In a construction of hose, the combination of a plurality of plies of fabric material wound into tubular form and presenting an outer surface substantially cylindrical and free from corrugations, a tubular layer of rubber around said plies of fabric material, a wire helically wound on the outer surface of said rubber layer, the coils of the wire being depressed to a distance less than their thickness in said rubber layer and compressing the underlying portions of said rubber layer, said wire having greater width than thickness and having convexed outer and inner surfaces, the sides of said wire being rounded so as to present no sharp cutting edges, a strip of fabric helically wound on said rubber layer intermediate the coils of said wire, the body portion of said strip being positioned closer to the axial center of the hose than the outer surfaces of said wire and the edge portions of said strip extending outwardly and overlapping the side edges of said wire, and a second tubular layer of rubber overlying said strip of fabric and said wire and being bonded to the outer surfaces of the helical coils of said fabric and to the outer surfaces of said wire, said second rubber layer being thinner in the regions thereof overlying the wire coils and said strip of fabric and said wire separating said first layer of rubber from said second layer of rubber and forming a series of flexible joints longitudinally of the hose.

2,277,787

STORING AND TRANSPORTING AIRPLANES

Earle Marcus Scott, Lancaster, N. Y., assignor to Uniloy Accessories Corp., Lancaster, N. Y., a corporation of New York

Application November 4, 1940, Serial No. 364,212
3 Claims. (Cl. 214—16.1)



1. Equipment for handling airplanes comprising a pair of carriers for supporting the front landing wheels of an airplane above ground level, and a third carrier provided with a saddle for supporting, and adapted to be engaged by an element on the front end of, the airplane in a rearwardly and upwardly inclined position when the

airplane is tilted longitudinally on the axis of the front landing wheels to bring its center of gravity forwardly of the axis of the landing wheels.

2,277,788

TREATMENT OF TEXTILES AND COMPOSITION USEFUL THEREFOR

Joseph Harrel Shipp and Joseph Edward Smith, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,092

10 Claims. (Cl. 106—271)

4. An aqueous dispersion of a higher aliphatic petroleum hydrocarbon that is substantive to textile fibers which has been prepared by dispersing a higher aliphatic petroleum hydrocarbon selected from the group consisting of mineral oils, petrolatums and petroleum waxes in the presence of an aqueous solution containing a multivalent water soluble salt and a polyvinyl alcohol derivative having a saponification number in the range of approximately 80 to 245 and a viscosity of approximately 20 to 40 centipoises at 4% concentration at 20° C.

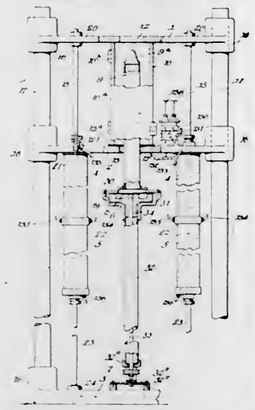
2,277,789

APPARATUS FOR MOLDING BRICKS, BLOCKS, AND TILES

Russell S. Sink, Laramie, Wyo.

Application May 3, 1939, Serial No. 271,578

3 Claims. (Cl. 25—41)



2. In apparatus of the character described, a mold having an opening therein, a stationary support, a tubular casing resiliently mounted at one end on said support, in alignment with said mold opening, an elongated rammer supported on the free end of said casing in axial alignment therewith and projecting through said mold opening, the free end of said casing and said rammer being free to move in a substantially circular material-compacting path about the resiliently-mounted end of said casing as an apex, a rotatable shaft within said casing in axial alignment with said mold opening, power means for rotating said shaft, and an unbalanced flywheel on said shaft between the mounted end of said casing and said mold opening for imparting to said casing and said rammer motion in a substantially cone-shaped path, the motion of said rammer in such path being a material-compacting motion transversely of the walls of said mold opening.

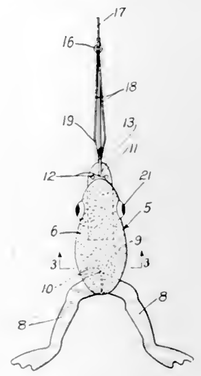
2,277,790

FISH LURE

Alexander Sisco, Kokomo, Ind.

Application September 28, 1940, Serial No. 358,919

9 Claims. (Cl. 43—42)



1. A fish lure comprising a sponge rubber body portion including upper and lower sections, one of which is impervious to moisture and the other capable of absorbing moisture, a tongue of stretchable material interposed between said sections at the front of the lure, and a fish hook engaging said tongue.

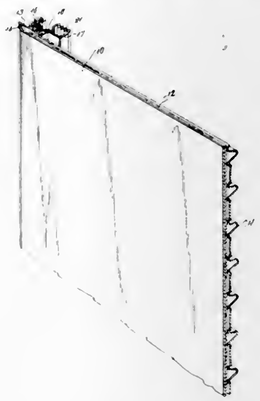
2,277,791

WALL PANEL

Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application April 8, 1939, Serial No. 266,889

5 Claims. (Cl. 189—85)



4. A sound insulating and absorbing panel for building construction comprising, a sheet metal filler member and a sheet metal cover member attached at its edges to said filler member, said filler member being formed with corrugations to provide a series of air pockets between said filler and cover members, and means spacing the adjacent corrugated portions from said cover member to provide a restricted passageway interconnecting said pockets and the external air.

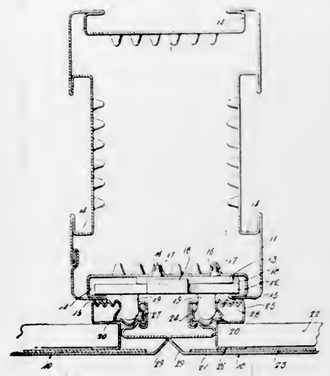
2,277,792

PANEL FASTENING DEVICE

Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application April 8, 1939, Serial No. 266,890

6 Claims. (Cl. 189—88)



6. In a panel structure, a panel supporting member, a locking member engaging said supporting member, one of said members having depressions formed therein for receiving projections upon the other said member, a panel attaching member engaging said supporting member for holding said locking member against said supporting member, and means carried by said attaching member for fastening a panel to said supporting member.

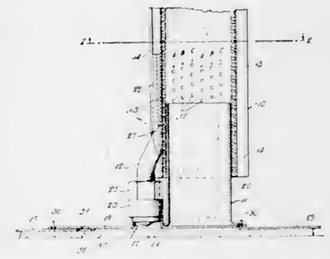
2,277,793

WALL CONSTRUCTION

Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application April 8, 1939, Serial No. 266,891

6 Claims. (Cl. 189—34)



3. A building frame element for supporting panels forming a wall and adapted to be mounted between spaced supports, said frame element comprising a frame member having channels extending longitudinally of the sides thereof and a bearing member for one end of said frame member and relatively movable longitudinally of said frame member, panel attaching means adjustably secured in at least one of said channels, and means adjustably secured in one of said channels for causing relative movement between the bearing member and the frame member whereby to increase the length of said frame element.
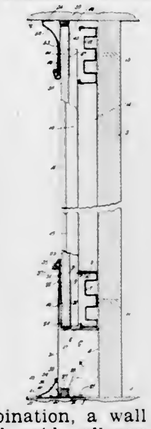
2,277,794

WALL CONSTRUCTION

Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application April 8, 1939, Serial No. 266,893

11 Claims. (Cl. 189—85)



11. In combination, a wall panel, a member associated with said wall panel having a flange portion overlying a portion of the outer face of said wall panel, a trim member disposed in confronting relation to said flange, and means detachably securing said flange and trim member in assembled relation, said means comprising a clip having portions thereof overlying said flange and the outer face of said trim member, respectively.

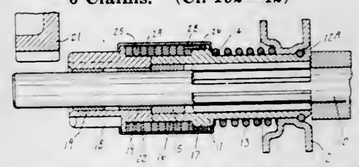
2,277,795

OVERRUNNING CLUTCH CONSTRUCTION

William C. Starkey, Indianapolis, and Maurice H. Miller, Beech Grove, Ind., assignors to L. G. S. Spring Clutches, Incorporated, Indianapolis, Ind., a corporation

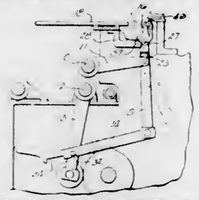
Application January 27, 1941, Serial No. 376,016

6 Claims. (Cl. 192—42)



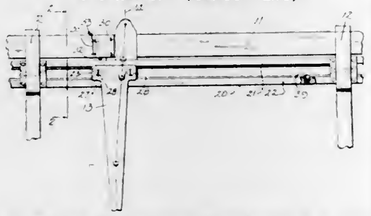
1. An over-running clutch construction including a driving member, a driven member, said members being coaxially rotatable, and a helical clutch spring construction having a portion of greater flexibility than the remainder thereof, one of said members having external clutch surfaces and the less flexible portion of the spring construction having one end anchored to the other of said members and having an internal clutch surface adapted to mate with a portion of said external clutch surface, the unstressed diameter of said internal clutch surface being greater than that of its mating clutch surface, the more flexible portion of said spring having an internal clutch surface mating with another portion of said external clutch surface and having an unstressed diameter less than that of its mating clutch surface, and the more flexible portion of said spring being sufficiently flexible to fly free of its mating clutch surface when rotated at a predetermined speed.

2,277,796
KNITTING MACHINE
Charles W. Strzalkowski, Milwaukee, Wis.
Application December 14, 1938, Serial No. 245,616
9 Claims. (Cl. 66—82)



2. In a machine of the described class, the combination of separate needle bar mountings, means for normally reciprocating the mountings in unison, a needle bar carried by each mounting in factory predetermined relation thereto and provided with a complete set of needles for knitting a single fabricated blank, a relatively fixed support, means for engaging the needle bar with said support when at the limit of its reciprocating stroke in one direction, connections adapted to allow the mounting to continue to reciprocate when the needle bar is so engaged, and means for guiding the needle bar to its normal operative position on the mounting when released from said support.

2,277,797
MULTIPLE SECTION FLAT KNITTING MACHINE
Charles W. Strzalkowski, Milwaukee, Wis.
Application April 15, 1940, Serial No. 329,647
7 Claims. (Cl. 66—126)



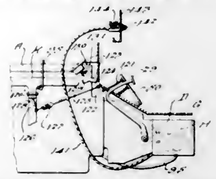
1. A flat knitting machine having a reciprocable thread carrier actuating bar provided with a plurality of thread carriers each mounted to slide along the bar into and out of operative position and each having a manually releasable latch connection with the bar when in operative position.

2,277,798
GRIPPING DEVICE SERVING BOTH AS HAIRPIN AND CURLER
Berthe Hortense Sylow-Hansen, born Hubert, Paris, France
Application October 18, 1939, Serial No. 300,066
In France November 10, 1938
7 Claims. (Cl. 132—33)



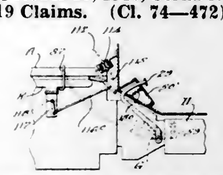
1. A hair curling device which comprises, in combination a curling rod, a folding hair clip including a body having one face adapted to engage the hair, at least one limb elastically pivoted to one end of said body so that it can be swung down on said face, said clip body being adapted to be detachably fixed to said rod parallelly thereto in such position that its hair engaging face projects outwardly from said rod, and means on said rod for holding the end of a hair strand against rotary slipping with respect to said rod, without hindering free slipping of said hair strand in the axial direction of said rod.

2,277,799
POWER TRANSMISSION
Augustin J. Syrovy and Teno Iavelli, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 19, 1940, Serial No. 357,374
17 Claims. (Cl. 74—472)



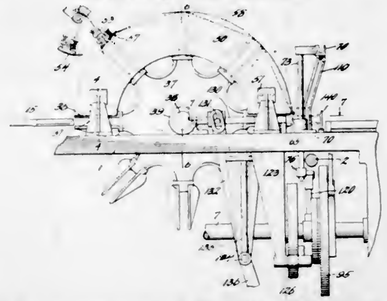
1. In a power transmission for driving a motor vehicle having an engine; a speed ratio varying transmission comprising change speed means operable to provide step-up and step-down change in the speed ratio drive from the engine to the vehicle; said change speed means including relatively engageable drive control elements, means biasing said elements into relatively engaging relationship, and a follower member operably connected to one of said elements for effecting relative disengagement of said elements; a prime mover adapted to be positioned in operating relationship with respect to said change speed mechanism and including a thrust-transmitting leader member adapted for thrust-transmitting movement in a path containing said follower member to overcome said biasing means, thereby to effect relative disengagement of said elements, and for return movement to accommodate relative engagement of said elements by said biasing means; means for mounting said prime mover so as to accommodate operation thereof in its said position and for movement thereof to a second position wherein said leader member is displaced out of said path free from thrust-transmitting relationship with respect to said follower member; and means for effecting movement of said prime mover from each of said positions to the other.

2,277,800
POWER TRANSMISSION
Augustin J. Syrovy, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 19, 1940, Serial No. 361,917
19 Claims. (Cl. 74—472)



1. In a drive for a motor vehicle having an engine; transmission mechanism operable to provide a drive from the engine to the vehicle, said mechanism including positively engageable drive-control elements one of which is movable into engaging relationship with the other to accommodate said drive and into disengaging relationship with respect to said other element to release said drive, said elements when relatively engaged being subject to thrust-application therebetween during said drive so as to resist relative disengagement thereof, to release said drive until said thrust-application is relieved; a reciprocatory member for controlling movement of said movable drive-control element and adapted for movement from a first position accommodating said engaging relationship of said elements into a second position causing said disengaging relationship of said elements; an ignition system for said engine adapted to be interrupted to relieve said thrust-application; a switch operable to control said ignition system and adapted when operated from a first to a second position thereof to interrupt said ignition system; a switch-operating member having a lost-motion connection with said reciprocatory member and adapted for movement to cause operation of switch from its said first position to its said second position as an incident to movement of said reciprocatory member from its said first position toward its said second position; said lost-motion connection being adapted to accommodate movement of said switch-operating member relative to said reciprocatory member so as to cause operation of said switch from its said second position to its said first position and thereby restore said ignition system independently of completion of the movement of said reciprocatory member into its said second position.

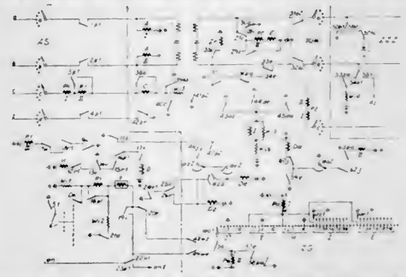
2,277,801
LABELING AND STAMPING MACHINE
Richard C. Talbot, Durham, N. C., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C., a corporation of North Carolina
Application September 7, 1940, Serial No. 355,858
14 Claims. (Cl. 216—53)



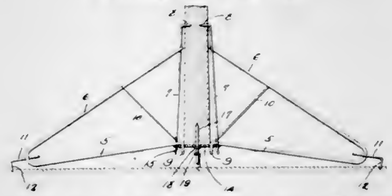
1. In a machine of the class described, the combination of means for advancing a package, and means for supporting a stamp by its edges in the path of advance of the package for application thereto.

2,277,802
TELEPHONE SYSTEM
Wilhelm Thies, Falkenhain, near Finkenkrug, Fritz Wolf, Birkenwerder, and Herbert Töpfer, Berlin-Siemensstadt, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application January 13, 1939, Serial No. 250,696
In Germany January 24, 1938
19 Claims. (Cl. 179—7.1)

19. In a telephone system, subscribers' lines each having a designation individual to that line, a finder switch, a register switch, means effective upon the initiation of a call by one of said lines to operate said two switches synchronously thereby to cause said finder switch to seize the calling line and said register switch to register the designation of said calling line, and means then operated to complete a connection extending over said finder switch from said calling line to a desired other one of said subscriber's lines.



2,277,803
CHRISTMAS TREE HOLDER
David E. Varner, Wichita, Kans.
Application April 9, 1941, Serial No. 387,765
2 Claims. (Cl. 248—44)

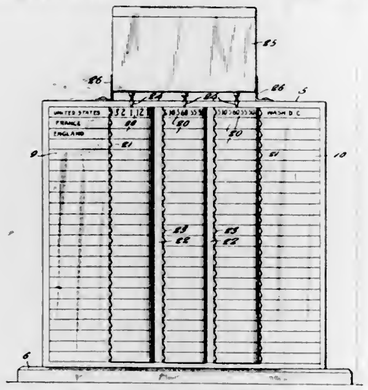


1. In a tree holder, a rectangular base plate having a central opening through which a nail is driven into the bottom of a tree supported by the holder, said base plate having pairs of openings adjacent to the corners thereof, the plate extending beyond the surface of the tree to which it is secured, a plurality of supporting members comprising a substantially vertical rod having a prong at its upper end and a substantially U-shaped member comprising an upper rod and a lower rod, the upper and lower rods of the U-shaped member being connected with the substantially vertical rod in spaced relation with the ends thereof, the free end of the lower rod extending at right angles, and said right angled end and lower end of the adjacent substantially vertical rod, adapted to extend through adjacent openings of the plate, securing the U-shaped member to the plate, and said prong adapted to be forced into the trunk of the tree by pressure directed to the plate caused by the weight of the tree supported thereon.

2,277,804
CLOCK
Morris Wapner, Tremont, Pa.
Application June 13, 1941, Serial No. 397,952
3 Claims. (Cl. 58—43)

3. In a clock of the character described, a substantially flat upright frame, vertical panels mounted in the frame and spaced from one another, one of said panels provided with a vertical column adapted to have the names of countries listed thereon, and the other of said panels provided with a vertical column adapted to have

the names of the principal cities of such countries listed thereon, drums rotatably supported in said frame between said panels, portions of the drum being exposed at opposite faces of the frame, said drums having circumferential bands arranged thereon, with the bands on one of said drums having gaduations indicating hours, and the bands on the other of said drums having graduations indicating parts of hours, indexes extending outwardly from one of the members of said frame and corresponding in number with the number of drums, said indexes adapted to be read against the graduations on the bands of the respective drums, and a clock mechanism connected with said drums for driving the same at the proper speed, said clock mechanism embodying a housing therefor mounted on the top member of said frame.



2,277,805

WETTING AND DETERGENT AGENT

Mark Weisberg, Providence, Louis Corman, Rumford, and Preston G. Slachman, Providence, R. I., assignors to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island

No Drawing. Application November 1, 1939, Serial No. 302,434

7 Claims. (Cl. 260—401)

1. In the process of preparing a sulfonated alkyl-aryl condensation product, the step of reacting with a concentrated sulfuric acid a mixture of a phenol and an acid amide prepared by reacting fatty acids having 8 to 20 carbon atoms with an ethanolamine thereby effecting both condensation and sulfonation in one operation, wherein said acid amide is relatively free of higher alcohols.

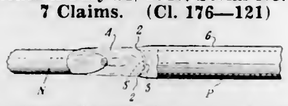
2,277,806

HIGH INTENSITY CARBON ARC SYSTEM

Virgil Howard Wells, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York

Application July 24, 1940, Serial No. 347,223

7 Claims. (Cl. 176—121)



7. A method of producing a direct current super high intensity arc between carbon electrodes, which comprises positioning a negative electrode in angular arc relationship with a horizontal non-rotating cored positive electrode having a diameter of about 18 mm. to 20 mm. and a shell wall not greater than about 3 mm. thick, supplying current to said electrodes of about 250 to 350 amperes, and producing on the positive electrode a crater having vertically opposite protruding shell portions confining and guiding the arc flame.

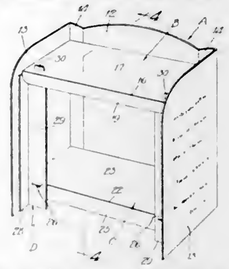
2,277,807

DISPLAY DEVICE

Dorsey Whitestone and Herman B. Robinson, New York, N. Y., assignors to Rex Window Advertising Co. Inc., New York, N. Y., a corporation of New York

Application June 13, 1940, Serial No. 340,240

4 Claims. (Cl. 211—135)



1. A display device comprising in combination, a mid panel, opposite end panels articulated to said mid panel and extending backwardly therefrom, a pair of shelf members hingedly connected in superposed relation to the rear of the mid panel and respectively disposed inwardly of the top and bottom edges thereof, a prop member hinged along a vertical axis to the inner side of each of the end panels and extending upwardly from the bottom edge thereof, and tongue and slot connections between the shelf members and the prop members for supporting the shelf members in shelf forming position.

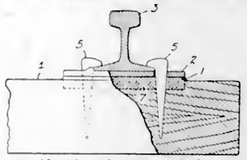
2,277,808

RAIL AND TIE ASSEMBLY AND METHOD OF MAKING

Bourdette R. Wood, Shaker Heights, Ohio

Application December 16, 1939, Serial No. 309,527

15 Claims. (Cl. 238—283)



1. In a method of assembling rails to ties, wherein the rail is held to the tie by suitable metal fasteners, the step which comprises disposing between the tie and the tie plate comminuted solids capable of reacting chemically to produce a water-resistant non-plastic mass of increased volume, spiking the rail and tie plate over the composition and to the tie, and allowing the composition to react to produce a solid mass of increased volume, whereby a tight water-resistant assembly which compensates for wear is produced.

2,277,809

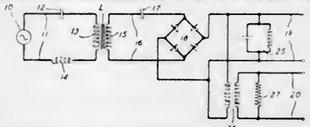
SIGNALING WAVE GENERATOR

Leishman R. Wrathall, River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 30, 1940, Serial No. 326,908

12 Claims. (Cl. 172—281)

12. A wave generator comprising means for deriving from an alternating current wave of fundamental frequency a range of harmonics having substantially uniform amplitudes, a load circuit, and means for impressing said harmonics on said load circuit, comprising a frequency-selective network having an attenuation-frequency characteristic such that one harmonic is transmitted to said load circuit with substantially no transmission loss and adjacent harmonics are transmitted to said load circuit with progressively decreasing amounts of transmission loss as their harmonic order decreases and increases relative to the harmonic order of said one harmonic, said harmonics in said load circuit simulating substantially a signal modulated carrier wave comprising a carrier wave having a frequency equivalent to the frequency of said one harmonic and modulated with a signal wave having a frequency which is a multiple of said fundamental frequency.



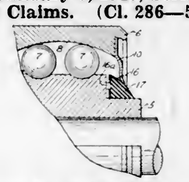
2,277,810

BEARING SEAL

John F. Zotter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application January 6, 1940, Serial No. 312,629

3 Claims. (Cl. 286—5)



1. Seal means for a bearing including a pair of concentric rings one within the other and held in axially self-aligning relationship about a point on the axis of both rings, said seal means comprising an annulus of yielding resilient material secured to one of said rings and having a surface of substantially spherical form, said surface having its center of generation substantially at the point aforesaid on the axis of both said rings, and a seal plate secured at one edge to the other of said rings and extending across the space between said rings and at its other edge into stressing sealing contact with said substantially spherical surface on said annulus of yielding resilient material.

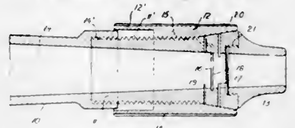
2,277,811

HOSE NOZZLE CONSTRUCTION

Frank M. Ashley, Great Kills, and Eugene P. Fraser, Brooklyn, N. Y.; said Ashley assignor to said Fraser

Application September 1, 1939, Serial No. 292,982

4 Claims. (Cl. 299—145)



1. A hose nozzle construction comprising a body portion having an unobstructed passage therethru and having a plurality of series of narrow slits located between the inlet and outlet of said passage, said slits extending at substantially right angles to the median line of said passage and being arranged in circular lines circumferentially of said body portion, the ends of each slit of one row extending in front of the ends of slits of the adjacent row, to cause liquid forced thru said slits to form a complete circular protecting shield of very thin flat transparent sheets of liquid surrounding said nozzle at substantially right angles thereto and through which objects may be discerned, and a sleeve movable on said body portion to open and close said slits.

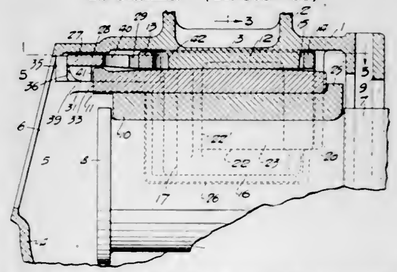
2,277,812

JOURNAL BOX

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application September 30, 1940, Serial No. 359,165

12 Claims. (Cl. 308—38)



1. In a journal box assembly, the combination of a journal box having an annular member depending from a roof thereof, rotatable guide lugs supported by side walls of said journal box and having an aperture for the accommodation of said annular member, a rotatable front stop lug carried by said side walls, a wedge interposed between said guide lugs and bearing against said annular member, said wedge being adapted to engage said rotatable front stop lug for limiting movement thereof in one direction, an axle positioned in said journal box and spaced below said wedge, and a bearing interposed between said wedge and axle, said bearing being adapted to contact said guide lugs and wedge for limiting movement thereof in both directions longitudinally of said axle.

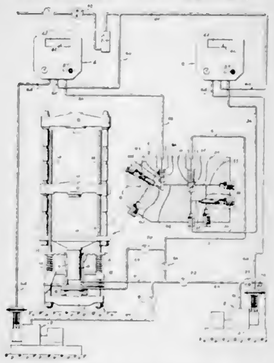
2,277,813

MATERIALS TESTING APPARATUS

Rudolf K. Bernhard, Ridley Park, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application December 18, 1937, Serial No. 180,491

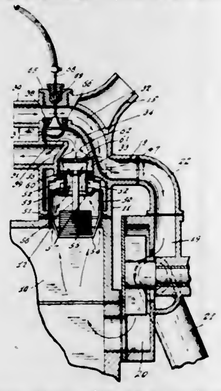
12 Claims. (Cl. 265—14)



1. In combination, a hydraulic loading appa-

ratus, hydraulic means for subjecting said loading apparatus to a pulsating load along a true sine curve extending continuously and uninterruptedly through a complete cycle, and means for variably controlling the maximum and minimum limits of the hydraulic pressure produced by said hydraulic means while maintaining said continuous and uninterrupted curve through all variations of load limits.

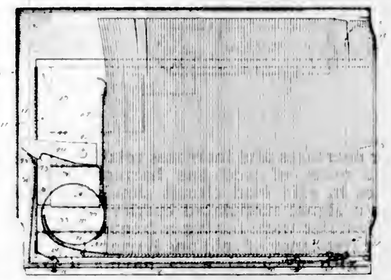
2,277,814
AUTOMOBILE HEATING SYSTEM
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application April 8, 1940, Serial No. 328,464
8 Claims. (Cl. 237—2)



1, In combination with the engine water-jacket and radiator of an automobile, a pump discharging into said water-jacket and having a main inlet connected to said radiator, said pump also having an auxiliary inlet, said water-jacket having an upwardly directed outlet opening, a hollow casing disposed over said outlet opening, said casing being provided exteriorly with a main outlet nipple connected to said radiator, with an auxiliary outlet nipple connected to the auxiliary inlet of said pump, and with two additional nipples, an automobile body heater of the circulating fluid type having supply and return conduits connected respectively to said two additional nipples, said casing being provided interiorly with a chamber and with a transverse passage connecting said auxiliary outlet nipple with that one of said additional nipples which is associated with the return conduit of said heater, temperature-responsive valve means disposed within said casing and responsive to the temperature of water in said water jacket to divide between said chamber and said main outlet nipple water entering the casing from the water jacket, and valve means within said casing and selectively operable under manual control to cause water from said chamber to flow either into said transverse passage or into that one of said additional nipples which is associated with the supply conduit of said heater.

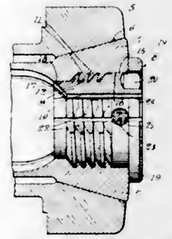
2,277,815
DISPENSER
Frank L. Broeren, Neenah, and Samuel N. Hope, Wauwatosa, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application July 5, 1939, Serial No. 282,852
12 Claims. (Cl. 312—62)

1. A dispenser for a stack of articles comprising a container having a rear wall, side walls and a dispensing opening in the front wall, slots in the side walls of said dispenser, a carriage having guide members received in said slots for guiding said carriage in its movement within said container towards the dispensing opening, a pusher plate attached to said carriage for urging



the stack of articles in said container towards the dispensing opening, a latch member pivoted on said carriage, and a keeper opening in the rear wall of said container adapted to engage with said latch member for releasably locking said carriage member in retracted position adjacent the rear wall of said container.

2,277,816
CHUCKING MEANS
Robert S. Brown, New Britain, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application April 20, 1939, Serial No. 268,917
11 Claims. (Cl. 279—46)

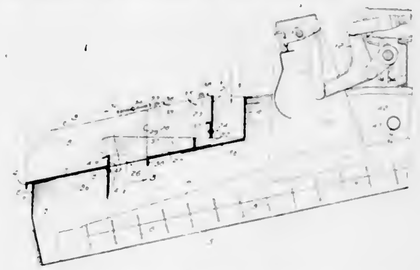


1. A collet having a plurality of jaws, pads for said jaws, said jaws and pads having interengaging spirally formed undercut cam surfaces, and jamming means for holding said pads on said jaws and against displacement transversely of the axis of the collet.

2,277,817
CLASSIFICATION
Theodore B. Counselman, Evanston, Ill., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application November 7, 1939, Serial No. 303,207
10 Claims. (Cl. 209—18)

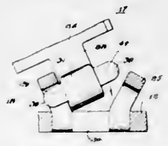
1. In a classifying apparatus in operative combination, a sloping classifying basin adapted for reception of feed of solids in suspension at an upstream entrance and for the discharge of slimes from the downstream exit, having a sloping deck over which there is an unobstructed classifying zone progressively increasing in depth and having an opening therethrough leading from the deep portion of said zone for the gravitational discharge therethrough of coarser solids as sands, means comprising a feed receiving well disposed

at the upstream section of the deck having a cross-stream member providing a curtain baffle disposed over the upstream section of the deck and below which is a flow-passage leading downstream from the well; upstanding flow-impeding means disposed downstream of the curtain baffle but upstream from the sands discharge opening adapted for horizontally distributing the feed; a cross-stream overflow member upstanding from the deck and disposed downstream of the opening including vertically positionable weir means



over which must flow substantially all of the liquid of the original feed having in suspension certain remaining smaller sized solids leaving the apparatus as slimes; a tank in hydraulic communication with the basin through the medium of said opening and having liquid-confining walls extending upwardly to elevations higher than that of said vertically positionable weir means whereby the tank is adapted for retaining liquid at a level that can rise higher than the elevation of said weir means; and means for removing sands from the tank.

2,277,818
SLIDER FOR SLIDE FASTENERS
Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application August 23, 1940, Serial No. 353,913
5 Claims. (Cl. 24—205.5)

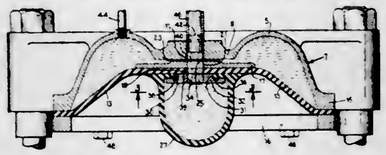


5. As a new article of manufacture for use as a locking pull tab on a slide fastener slider having a pair of transversely spaced pull tab retaining lugs and a locking member accommodating aperture extending between and beneath said lugs, a member having a handle portion defining the greatest width of said member, an end portion of reduced width approximately equalling the spacing between said lugs, a pair of oppositely outwardly directed trunnions extending from said last-named portion, the combined width of said trunnions being less than the width of said handle portion and greater than the width of said aperture, and a locking member on said end portion of less width than said aperture and projectible therein, the end portions of said trunnions having reduced section in order to be sheared by the aperture side edges upon application to said pull tab of pressure directed toward said slider for preventing application of destructive pressure to said locking member.

2,277,819
CATALYTIC HYDROCARBON REACTIONS AND CATALYSTS THEREFOR
Willis G. Craig, Redlands, Calif., assignor to James W. Jean, Altadena, Calif.
No Drawing. Application August 2, 1940, Serial No. 350,141
7 Claims. (Cl. 196—10)

5. A process for the polymerization of normally gaseous hydrocarbons to convert the same into liquid hydrocarbons suitable for motor fuel, which comprises subjecting the said gaseous hydrocarbons to the action of a solid catalyst containing sulphuric acid and phosphoric acid, buffered by boric acid and extended by a solid carrier and cemented by aluminum sulphate, the hydrocarbon reaction being carried out at a temperature of about 200 to 400 degrees F. and greater than atmospheric pressure.

2,277,820
HAT MACHINE
George W. Cuming, deceased, late of New York, N. Y., by Ella B. Cuming, executrix, Charlottetown, Prince Edward Island, Canada, assignor to M. A. Cuming & Company, Inc., New York, N. Y., a corporation of New York
Application July 2, 1940, Serial No. 343,546
3 Claims. (Cl. 223—13)



1. In a hat machine, in combination, a head member having a fluid depending central portion formed with a passage and bolt holes on opposite sides of the passage, a disc-like brim forming element of yielding non-metallic material formed with an aperture to register with the passage in the head and bolt holes to register with the holes in the head, means to secure the periphery of the brim forming element to the head, a plate between the brim forming element and the head and formed with an aperture to register with the passage in the head and bolt holes to register with the bolt holes in the head, sealing means between the plate and the depending portion of the head, a separate crown bag formed with an inwardly directed lip, said lip being formed with a continuous bead on its surface, a retaining plate within the crown bag formed with a continuous groove in its upper surface to receive the bead on the crown bag and threaded apertures to register with the aforesaid bolt holes and an aperture therebetween to register with the passage and bolts in the bolt holes.

2,277,821
METHOD OF PREPARING HYDROXY-ALKYLOXYALKYL CYANAMIDES
Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 10, 1939, Serial No. 289,399
13 Claims. (Cl. 260—551)

1. A method of preparing hydroxy alkyloxy alkyl cyanamides which comprises reacting in an aqueous slurry one mole equivalent of an alkaline earth metal cyanamide with at least two mole equivalents of a compound containing a reactive

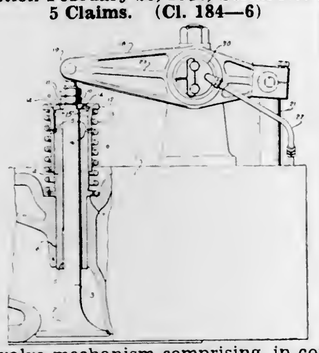
ethylene oxide ring, removing insoluble materials, precipitating the alkaline earth metal present as a substantially insoluble compound and removing the same. and evaporating the water from the aqueous solution.

2,277,822

VALVE MECHANISM

Max Essl, Norwood, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application February 26, 1940, Serial No. 320,960
5 Claims. (Cl. 184—6)



1. A valve mechanism comprising, in combination, a valve having a stem, a bushing having a bore through which said stem extends in close relation thereto, a sleeve slidably supported on the outside of said bushing and engaging said valve stem to centrally support the same, a valve spring disposed on the outside of said sleeve and engageable therewith, means for admitting lubricating oil to the interior of said sleeve, means for discharging oil from the interior of said sleeve at a point above the upper end of said bushing, and means located at the upper end of said bushing for diverting oil in a direction away from said valve stem toward said discharge means.

2,277,823

PREPARATION OF GUANYL UREA

George H. Foster, Stamford, and David W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 13, 1939, Serial No. 308,981
1 Claim. (Cl. 260—553)

A method of making guanyl urea which comprises hydrolyzing dicyandiamid in the presence of water and sulfuric acid in substantially the proportions of 180 pounds of dicyandiamid to 400 pounds of water and 240 pounds of 50% sulfuric acid, cooling the reaction mixture to approximately 50° C., adding lime thereto until a test on a filtered portion of the batch shows the absence of sulfate, filtering off the calcium sulfate, washing the filter cake until the specific gravity of the washings is approximately 1.06, neutralizing the guanyl urea base in the wash water with sulfuric acid, and returning the resultant solution of guanyl urea sulfate to the start of the cycle.

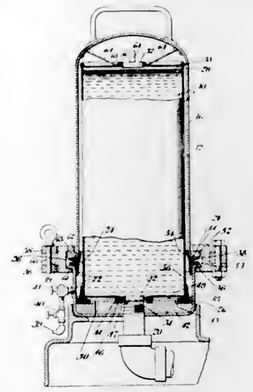
2,277,824

GREASE DISPENSING APPARATUS

Elmer I. Franson, Lakewood, Ohio, assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application April 18, 1941, Serial No. 389,100
2 Claims. (Cl. 221—74)

1. A grease gun unloading apparatus comprising a vertically disposed air cylinder having a removable lid and a base with a centrally disposed grease outlet, said chamber being dimensioned to enclose an end-apertured cylindrical grease gun in upright position with its bottom aperture aligned with said grease outlet and having a wall inlet port for compressed air, and means for preventing escape of air from said chamber through the said grease outlet comprising a pair of annular gaskets respectively dimensioned for insertion in spaced relation on the chamber base beneath the outer rim of the can and encircling the rim of the grease outlet, together with flexible means under the bottom of said lid and above the can top for holding the can against its seat and preventing tipping thereof, and an air bleed aperture in the chamber base ported out in the chamber below the can and between the two gaskets.

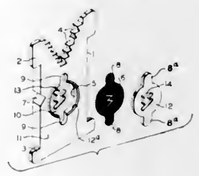


2,277,825

TYPOGRAPHICAL MATRIX

Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application July 5, 1940, Serial No. 343,932
13 Claims. (Cl. 95—85)



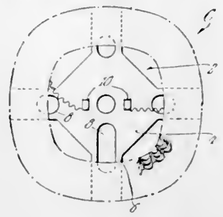
4. A line composing matrix adapted for use in the photographic production of type matter, said matrix comprising, in combination, a body portion having a recess extending partially therethrough in a direction transverse of the edgewise thickness of the body, a character bearing plaque adapted for support on the bottom wall of said recess with the character thereon located eccentrically with respect to the true center of the recess, and a member for retaining the plaque in supported position within the recess, said bottom wall and said plaque retaining member having apertures therein the outlines of which register with and thus define the outlines of the character on the plaque.

2,277,826

ANTENNA

Henry Giroux, Westfield, Mass., assignor to The F. W. Sickles Company, Chicopee, Mass., a corporation of Massachusetts

Application October 31, 1940, Serial No. 363,705
3 Claims. (Cl. 175—359)



1. A coil of the class described for use as an antenna comprising in combination, a coil support having a substantially flat coil supporting surface, a relatively flat coil body on said support in the form of an annulus formed by windings of wire the adjacent convolutions of which are in substantially the same plane, said convolutions provided with portions offset in alternate opposite directions with the offset portions of the convolutions in supporting contact with those of adjacent convolutions.

2,277,827

PROCESS OF DEHYDRATING MAGNESIUM CHLORIDE

Sheldon B. Heath and Forest R. Minger, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application May 24, 1939, Serial No. 275,526
4 Claims. (Cl. 23—91)

1. The method of forming a granular dehydrated magnesium chloride product containing less than 2 moles of water of crystallization which comprises spraying a solution of magnesium chloride into an enclosed space wherein it is intimately contacted with a current of a hot drying gas introduced at a temperature above 350° C., the rate of flow of the solution and of the gas current relative to each other being so regulated that the temperature of the gas current is not reduced below 180° C. within the drying zone, compacting under moderate pressure the finely divided hollow dehydrated particles thereby formed, compressing the compacted mass of particles under high pressure to consolidate the same into dense hard blocks or briquets, and crushing such blocks or briquets to form granular particles of desired size.

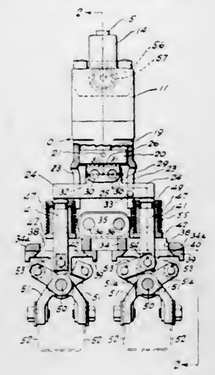
2,277,828

PLURAL TONGS MECHANISM FOR GLASSWARE

Donald K. Morgan, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application February 12, 1941, Serial No. 378,579
10 Claims. (Cl. 294—87)

1. A mechanism for transferring glassware comprising a support, a plurality of tongs, each comprising a pair of pivoted jaws carried by said support, and means for opening and closing said jaws, said means being constructed and arranged to cause simultaneous closing of the jaws of all of said tongs to grip articles of glassware of like dimensions and configurations and to cause differential closing movements of the jaws of different tongs to grip articles of glassware of unlike dimensions or configurations.

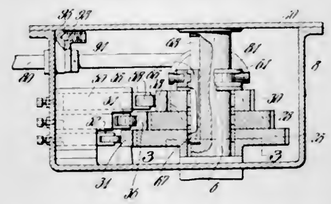


2,277,829

DRIVING MECHANISM

John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts

Application July 28, 1941, Serial No. 404,291
4 Claims. (Cl. 74—78)



1. The combination of an oscillatable shaft and a rotatable member with means for positively oscillating the former by the latter comprising, a plurality of driven members normally rotatable on said shaft, a plurality of driving members each having one end pivotally connected to said rotatable member and opposite ends for operable engagement with the driven members, means maintaining said driving and driven members in permanent operative engagement, and means for selectively engaging a certain one of said driven members and shaft whereby said member is driven by a certain one of the driving members.

2,277,830

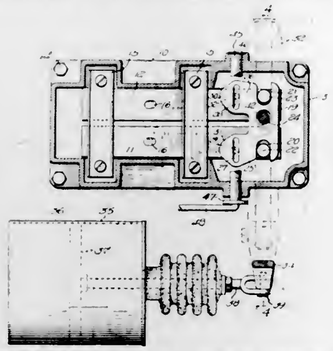
TRANSMISSION SHIFTING MECHANISM

John X. Phillips, Vienna, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia

Application January 18, 1938, Serial No. 185,586
11 Claims. (Cl. 74—473)

1. The combination with a transmission having a plurality of members shiftable to provide different gear ratios, of floating lever means connected to all of said shiftable members, and selectively operable means having portions engageable with said lever means at different points to pivot said lever means at such different points

to render it effective for moving different shiftable members, and means independent of said se-

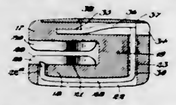


lectively operable means for operating said floating lever.

2,277,831
AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS

Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application May 18, 1940, Serial No. 335,952
9 Claims. (Cl. 24—205.5)



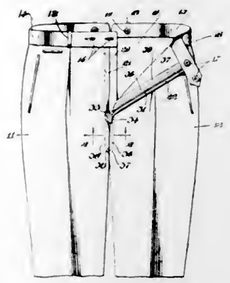
4. In a lock slider for slide fasteners, a slider body having therein an upwardly diverging fastener member guiding channel, a recess in its rear surface, and a recess in its front surface, a longitudinal locking arm within the recess in the rear surface of said slider body, a forwardly directed locking projection at the lower end of said locking arm and projectible into said channel, a locking plunger extending forwardly from the upper end of said locking arm, biasing means in the recess in the front surface of said slider body and constantly urging said locking plunger forwardly of the slider body to project said locking projection into said fastener member guiding channel, and lock operating means comprising a manually engageable longitudinal flexible tongue member having its lower end fixed to said slider body and its upper end free thereof and overlying said biasing means, said tongue member being movable rearwardly of the slider body against said biasing means for forcing said locking plunger rearwardly of said slider and withdrawing said locking projection from said fastener member guiding channel.

2,277,832
SLIDE FASTENED TROUSER FLY CONSTRUCTION

Albert B. Rhoads, Saegertown, and William D. Craig, Meadville, Pa., assignors to Talon, Inc., a corporation of Pennsylvania

Application July 3, 1940, Serial No. 343,704
3 Claims. (Cl. 2—234)

1. In a method of forming a slide fastened trouser front fly construction, basting together complementary edge portions of a pair of complementary trouser front panels in superposed relation, folding over the basting, the edge portions therebeyond to form abutting folds, aligning a fly assembly including a slide fastener with said basting, stitching said fly assembly to said



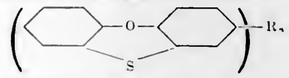
front panels and then ripping said basting to free the fly opening.

2,277,833
HIGHER ALKYL SUBSTITUTED PHENOTHIOXINS

Frank B. Smith and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 15, 1940, Serial No. 340,845
5 Claims. (Cl. 260—327)

1. A compound having the formula

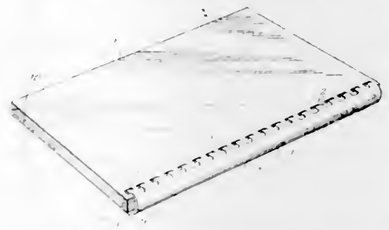


wherein R represents an alkyl radical containing from 8 to 17 carbon atoms, inclusive, and n is an integer not greater than 3.

2,277,834
BINDER

Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware

Application March 11, 1940, Serial No. 323,437
9 Claims. (Cl. 281—25)

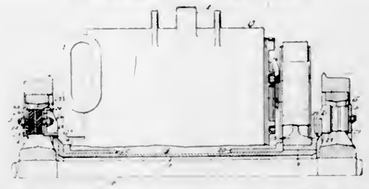


1. An article of manufacture comprising a binder for insertion into a stack of sheets provided with aligned perforations along one of their edges, said binder being of resilient material and including a back and a plurality of teeth integral with the back and extending from one longitudinal edge thereof, said teeth being curved to constitute a plurality of closed loops each extending through more than 180°, a part of the surface of each tooth of the closed loop being flattened to lie in a plane substantially at right angles to the planes of the stack of sheets and parallel to the axis of the binder.

2,277,835
VEHICLE DRIVE

Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 7, 1939, Serial No. 298,442
5 Claims. (Cl. 105—131)

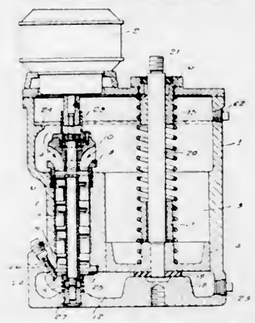


3. A vehicle drive comprising a wheel axle, a quill shaft surrounding the wheel axle, and resilient coupling members for transmitting torque between the quill shaft and the wheel axle, each of said coupling members comprising a pair of metal discs with at least one rubber disc sandwiched therebetween and having one metal disc rigidly secured to the quill shaft and the other metal disc rigidly secured to a wheel of the wheel axle, said rubber discs of the resilient coupling members being in shear under all conditions of load.

2,277,836
ELECTROHYDRAULIC OPERATOR

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1939, Serial No. 257,940
3 Claims. (Cl. 60—52)

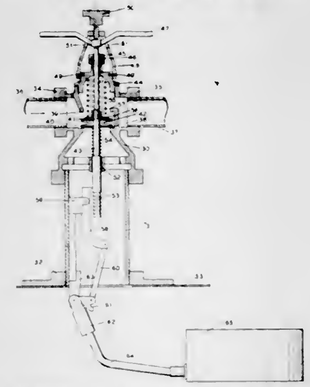


1. A hydraulic operator including a fluid casing, a pair of substantially cylindrical chambers which are side by side with their axes in parallel relationship within said casing, the adjacent ends of said chambers being in communication to allow flow of fluid therebetween, a piston contained within one of said chambers, a pump including a drive shaft, having its axis parallel to that of the piston and having propeller type blades secured thereto contained within the other of said chambers whereby fluid is forced in a direction parallel to the axis of said drive shaft to create a differential in fluid pressure on opposite sides of said piston thereby imparting motion thereto, a valve which is positioned between the outlet of said pump and said piston for controlling the flow of fluid therebetween and spring means which normally biases said valve in an almost closed or restricted position but which yields and allows opening thereof in response to pressure developed by said pump, and means removed from said piston and immediately adjacent said valve and which extends through said casing immediately adjacent the outlet of said pump for adjusting the amount of normal restriction of said valve.

2,277,837
AUTOMATIC SWITCHING VALVE

Donald W. Auld, Bartlesville, and Clarence T. Woodard, Nowata, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application October 14, 1939, Serial No. 299,538
4 Claims. (Cl. 137—68)

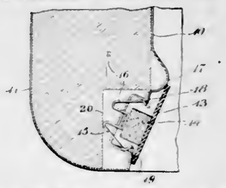


1. An automatic by-pass valve comprising a body having an inlet and a pair of outlets, one outlet connecting to a storage tank and the other outlet connecting to a flow line, a valve rod within the body, a valve slidably mounted on the rod intermediate the outlets for alternately opening and closing said outlets, spring means for normally urging the valve in a direction to open the outlet to the flow line and close the outlet to the storage tank, spring means relatively weaker than the first spring means for urging the valve in a direction to open the outlet to the storage tank and close the outlet to the flow line, means for setting the valve to close the outlet to the flow line against the action of the first spring means, and float means controlled by the liquid level in the storage tank to release the last mentioned means and permit the opening of the outlet to the flow line and closing of the outlet to the storage tank.

2,277,838
REFRIGERATOR

Clarence E. Baker, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

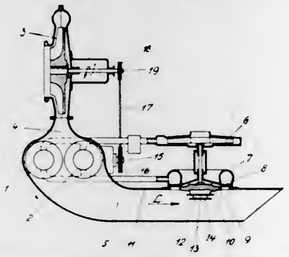
Application December 29, 1939, Serial No. 311,693
4 Claims. (Cl. 220—9)



1. Means for separably mounting a cover strip over the space between opposed edges of spaced apart flanges, comprising a series of clips attached to the under face of said strip, said series includ-

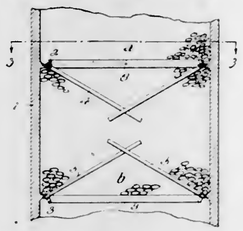
ing a pair of resilient coacting arms formed to project into said space and to thereafter diverge toward said face, each of said arms terminating in an end portion adjacent to and spaced apart from said face, one of said end portions being bent inwardly and forming a longitudinally convex outer surface, and the other of said end portions being bent outwardly and forming a longitudinally concave outer surface, the normal divergence of said end portions being greater than the width of said space.

2,277,839
INTERNAL COMBUSTION ENGINE
Walter Becht, Stuttgart-Bad Cannstatt, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany
Application December 15, 1938, Serial No. 245,806
In Germany January 7, 1938
1 Claim. (Cl. 60—13)



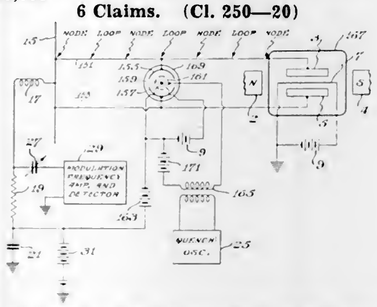
In combination, an internal combustion engine having one or more cylinders, means for directing cooling air about said cylinders, a conduit for guiding said air away from said cylinders, provided with a side wall having an opening therein, and a turbine connected for actuation by the exhaust gases from said cylinders, said turbine having a rotor lying in said opening substantially flush with said wall of said conduit, whereby the exhaust gases are delivered into said conduit and said rotor is subjected to contact with the air passing therethrough for cooling of the same.

2,277,840
CONTACT SYSTEM
Ernst Berl, Pittsburgh, Pa.
Application May 3, 1940, Serial No. 333,199
8 Claims. (Cl. 261—94)



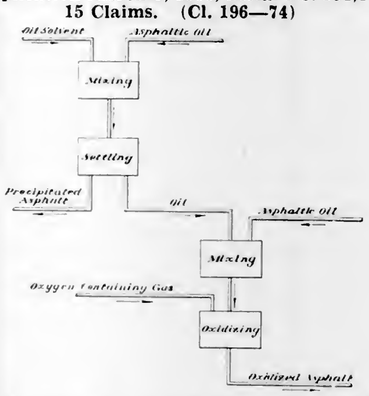
1. A redistribution arrangement for liquids or gases flowing in substantially vertical countercurrent in a packed tower, comprising a circumferentially arranged conduit, which is open towards the bottom of said tower, mounted on the inside of said tower intermediate the bottom and the top of said tower and adjacent the inner periphery of said tower, and conduits obliquely extending upwardly from said first-mentioned conduit towards the middle of said tower.

2,277,841
SUPERREGENERATIVE MAGNETRON RECEIVER
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,550, which is a division of application Serial No. 187,942, January 31, 1938, now Patent No. 2,211,091, dated August 13, 1940. Divided and this application January 24, 1941, Serial No. 375,793
6 Claims. (Cl. 250—20)



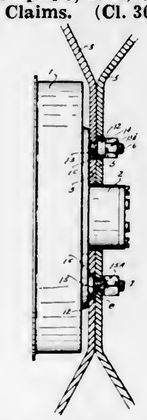
1. In an ultra high frequency receiver consisting of an antenna, a magnetron oscillating at signal frequency, a transmission line connecting said antenna to said magnetron, said line being resonant at said signal frequency and having at least one voltage loop between said antenna and said magnetron, and means for indicating demodulated signals, the method of obtaining superregenerative detection which comprises varying the shunt impedance of said transmission line at said voltage loop at a quench frequency, thereby interrupting said signal frequency oscillations at the quench frequency.

2,277,842
ASPHALT AND PROCESS FOR PRODUCING THE SAME
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 5, 1938, Serial No. 194,174
15 Claims. (Cl. 196—74)



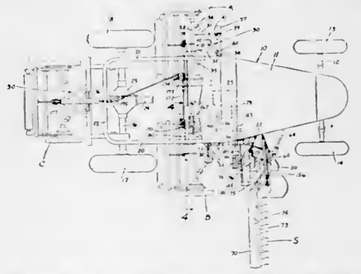
1. A process for producing oxidized asphalt which comprises blending an oil which will oxidize into asphalt with an oil which has been extracted from an asphalt containing oil by means of a solvent capable of dissolving oil but not substantial quantities of asphalt and subsequently oxidizing said blend of oils at an elevated temperature with an oxygen-containing gas to produce an oxidized asphalt having a higher weather-ometer test than can be produced by oxidation of said aforementioned oil which will oxidize into asphalt in the absence of said extracted oil to substantially the same melting points.

2,277,843
WHEEL MOUNTING
Harry O. Cambridge, Chehalis, Wash.
Application April 5, 1940, Serial No. 328,104
4 Claims. (Cl. 301—36)



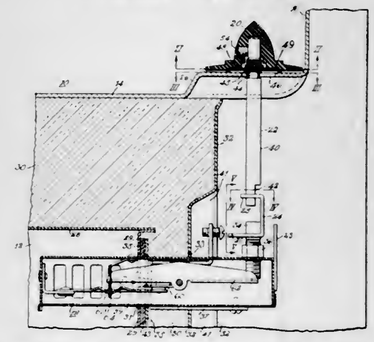
1. Means for securing dual wheels to a vehicle to permit their independent removal from the outer surface of the wheel, comprising independent wheels, each having similar sets of openings, one of circular peripheral edge, the other of conical peripheral edge, the wheels being arranged with their non-similar openings in alignment, and securing means cooperating with the aligned openings, one set of securing means preventing independent rotation of the inner wheel and locking the outer wheel against axial movement and the other set of securing means locking the inner wheel against axial movement and preventing independent rotative movement of the outer wheel.

2,277,844
POWER-DRIVEN MOWING MACHINE
John S. Clapper, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application February 26, 1940, Serial No. 320,902
6 Claims. (Cl. 56—25)



1. A mowing machine comprising a tractor, a motor on said tractor for driving the same, a plurality of types of mowing units each type being mounted on said tractor for elevation from mowing position to an elevated position, hoist means on the tractor for each of said types of mowing units, a power take-off on the motor and a power transmitting drive for transmitting power to the hoist means of either type of mowing unit selectively, thereby to raise either type selectively.

2,277,845
FLEXIBLE THERMOSTAT CONTROL
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1939, Serial No. 302,885
2 Claims. (Cl. 219—35)

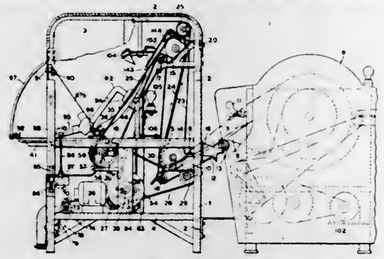


1. In a range, the combination of a platform having an aperture therein, a backsplasher extending substantially vertical to and along the rear portion of said platform, said aperture having a constricted shaft-retaining end away from the backsplasher and an expanded end toward the backsplasher, an oven thermostat, a control shaft which passes through the expanded end of said aperture in said platform and which disengageably cooperates with said thermostat at its lower end, said shaft having an undercut portion near its upper end to normally receive the platform adjacent the shaft retaining end of said aperture to prevent removal of said shaft therefrom when said shaft is in its operative position, and an operating knob removably attached to the shaft above the platform for manually rotating the shaft to selectively adjust the thermostat, said knob being disposed adjacent to the backsplasher to prevent horizontal movement of the upper end of the shaft whereby the knob and backsplasher maintains the shaft in the shaft-retaining end of the aperture to prevent removal of the shaft therefrom when said knob is attached to the shaft and whereby, when the knob has been removed from the shaft, said shaft may be removed through the expanded end of said aperture after a horizontal movement of said shaft through said aperture toward the backsplasher.

2,277,846
STACKING MACHINE
Forrest J. Couch, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Original application June 26, 1936, Serial No. 87,346. Divided and this application March 11, 1939, Serial No. 261,271
6 Claims. (Cl. 271—70)

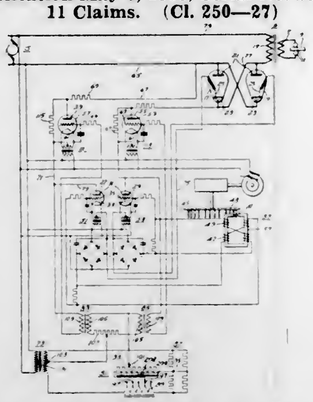
1. In a stacking device for placing flat fabric

articles in a substantially horizontal position in a stack, conveying means having a delivery run inclined at an angle to the horizontal, rotatable stacking arms adapted to move from a position beneath and adjacent said conveyor run to horizontal position at said stack, means for causing said movement of said arms, and means for initiating action of said last named means responsive to an article in position on said con-



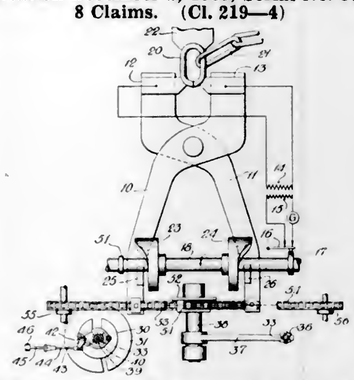
veying means for removal therefrom by engagement with said arms, wherein said last named means includes a light sensitive device effective to cause stacking movement of said arms upon movement of the trailing edge of an article on said conveyor beyond a predetermined point, and a roller above said conveyor run for holding the article on said conveyor, said roller being located approximately at said point.

2,277,847
CONTROL APPARATUS
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1938, Serial No. 206,640
11 Claims. (Cl. 250—27)



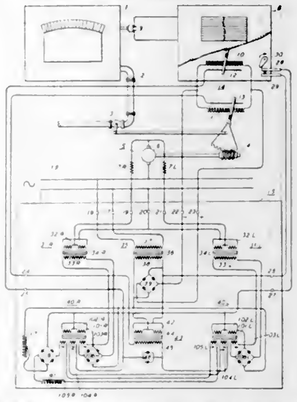
1. Apparatus for supplying power from a source of alternating current to a load comprising means interposed between said source and said load by the operation of which the supply of power to the load may be initiated at any desired point in each of the half periods of said source during which power is supplied, and means for setting the point at which supply of power is initiated at different instants in said half periods, the said setting means comprising a network consisting of a pair of dephasing impedances connected in series, and a voltage divider having a movable tap, connected between an intermediate connecting point on each of said impedances, said intermediate points being so selected that, throughout the whole voltage divider, the supply of current to the load as a function of the distance of the movable tap from either end of said voltage divider is substantially linear.

2,277,848
METHOD OF AND APPARATUS FOR WELDING
Howard A. Delano, Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application December 2, 1939, Serial No. 307,270
8 Claims. (Cl. 219—4)



1. The method of electrically butt welding which consists in passing a welding current through ends to be butt welded, pressing said ends together with a decreasing follow-up pressure to upset said ends during the application of the welding current, interrupting said current and completing the upsetting operation by applying a hammer blow on said ends while said follow-up pressure is continued, and continuing said decreasing follow-up pressure and applying an additional decreasing pressure during the cooling period.

2,277,849
ELECTRICAL CONTROL SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 15, 1938, Serial No. 225,671
31 Claims. (Cl. 172—239)



3. An electrical control circuit comprising an

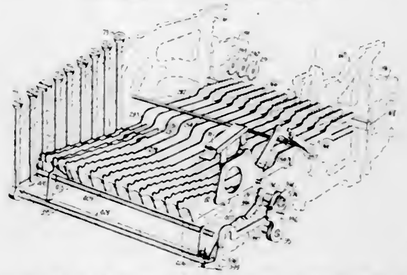
adjustable circuit, means responsive to a change in adjustment of said adjustable circuit for unbalancing said circuit in one of two senses, saturable core means provided with an impedance winding and a saturating winding, means for deriving from said circuit in response to said unbalance condition electrical energy variable in characteristic dependent upon the sense of the unbalance, means for variable energizing the saturating windings by said derived energy for rendering said saturable core means responsive in accordance with the characteristic of the energy, means for adjusting said adjustable circuit, and means connecting said impedance winding to said adjusting means for restoring said circuit to balance.

2,277,850
MODULATED-CARRIER WAVE-SIGNAL RECEIVER
Robert Lee Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 15, 1940, Serial No. 352,757
8 Claims. (Cl. 250—20)



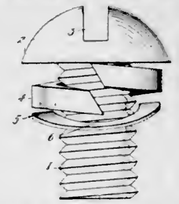
1. A modulated-carrier wave-signal receiver for translating with a predetermined amplitude distortion a signal input including signal components within a predetermined modulation-frequency range comprising, a source of oscillations having a frequency which is high with respect to any of the modulation frequencies within said predetermined range, means for frequency-modulating said oscillations with said modulation-signal components to derive a frequency-modulated signal, a signal-translating circuit having a nonlinear frequency-transmission characteristic for translating said frequency-modulated signal, and means for detecting said translated frequency-modulated signal to derive the desired distorted output signal.

2,277,851
ACCOUNTING MACHINE
Jesse R. Ganger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 5, 1936, Serial No. 104,001
28 Claims. (Cl. 235—60)



1. In a machine of the class described, the combination of a totalizer line; a balance totalizer on the line; means to select and condition said balance totalizer for subtract operations; another totalizer on the line, having three denominational orders; an actuator for each order; a latch for each actuator to retain said actuators in a neutral position; another means to retain the actuators in their neutral positions; keys to set up amounts to be subtracted from the balance totalizer; means operated by the depression of an amount key to move the latches to ineffective position; means rendered effective by the selecting and conditioning means when the balance totalizer is selected for a subtract operation to render the other retaining means ineffective thereby freeing the actuators; and means to differentially arrest the actuators to cause an amount to be counted in the other totalizer by subtracting the complement of said amount therefrom.

2,277,852
SCREW AND LOCK WASHER ASSEMBLY
Robert F. Golden, South Orange, N. J., assignor to The National Lock Washer Company, Newark, N. J.
Application October 11, 1939, Serial No. 299,029
6 Claims. (Cl. 151—32)



4. A screw and lock washer assembly including; a screw having a head and threaded stem, a spring lock washer positioned on the stem next to the head, and a thin flat holding washer outside the spring washer, the spring washer locking the holding washer onto the stem and the holding washer holding the spring washer in a locking position.

2,277,853
CUSHION, MATTRESS, AND OTHER RESILIENT SUPPORTS
Claus H. Köhn, Rapperswil, Switzerland, assignor to Fritz Mommenday & Sohn, Rapperswil, St. Gall, Switzerland
Application July 3, 1940, Serial No. 343,712
In Switzerland March 24, 1939
2 Claims. (Cl. 5—351)

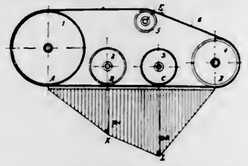


1. A cushion, mattress or other resilient support, comprising a unitary resilient body composed of a plurality of pairs of resilient corrugated strips of sheet metal arranged juxtaposed and close to each other, the valleys of the strips pertaining to a pair contacting and being connected with each other, means arranged transversely to the longitudinal direction of said pairs for connecting the latter at their ends into a unitary body, each of said pairs freely supporting itself over a plurality of valleys and curved portions between its ends, the valleys of juxtaposed pairs arranged in staggered relationship and the ends of juxtaposed pairs forming flat portions of different lengths for connecting them with said transverse means so that the curved portions between said valleys directed outwardly to opposite sides of said body form a checkerboard-like supporting surface.

2,277,854
COLLOIDAL TERTIARY CALCIUM PHOSPHATE
Louis Paul Victor Lecoq, Neuilly-sur-Seine, France
No Drawing. Application May 10, 1939, Serial No. 272,919
15 Claims. (Cl. 167—72)

1. An aqueous colloidal solution free from any colloid support including colloidal tertiary calcium phosphate formed in the presence of a tertiary citrate of a base having a basic nitrogen atom.

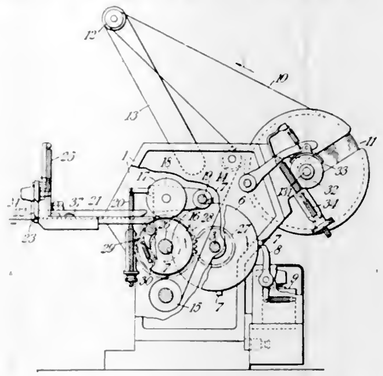
2,277,855
CATERPILLAR TRACTOR
Adrien Mercier, Bois Colombes, France
Application February 17, 1939, Serial No. 256,870
In France April 5, 1938
9 Claims. (Cl. 180—9.1)



1. In a motor vehicle, a main frame, an endless track mechanism for driving the vehicle, said mechanism including equalizing means, front and rear rollers and an intermediate pair of rollers spaced lengthwise of the vehicle within said endless track, a carriage for said intermediate rollers arranged to distribute the load unequally between said intermediate rollers, and steering means pivoted on said frame and connected to said endless track mechanism, the axis of said steering mechanism passing approximately through the point of maximum pressure of said endless track mechanism upon its supporting surface, spring means anchored to the endless track frame, a bearing member carried by said spring means and to which the rockable carriage is pivoted, link means connecting said bearing member with that arm of the main frame upon which the rear roller is mounted, a lever arm movable with the rockable carriage, a slide carried by the front arm of the main frame, bearings on said slide for the front roller and link means connecting the lever arm and the slide for the purpose set forth.

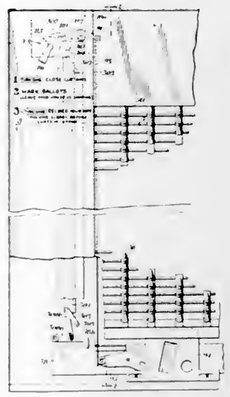
2,277,856
MEANS FOR AUTOMATICALLY INSERTING ITEMS OF PRINTED MATTER INTO PACKAGES
Bernard Shores, London, England, assignor to Allied Suppliers Limited and Bernard Shores, both of London, England
Application March 11, 1939, Serial No. 261,376
In Great Britain July 15, 1938
8 Claims. (Cl. 226—2)

1. A device for automatically inserting coupons or the like into spaced packages carried on the conveyor of a machine for progressively advancing a series of partly filled packages and said machine having a vertically reciprocable member adapted to operate upon successive packages brought into position adjacent thereto, said device comprising, in a self-contained unit, a frame; a strip guide in said frame; a feeder reel for strip coupon material mounted in said frame; a pair of coacting pressure rolls journaled in the frame opposite one end of the guide; means for guiding the strip from the reel to the pressure rolls and strip guide; a friction clutch journaled in the frame; means for continuously rotating one clutch member; means on the other clutch member for rotating the pressure rolls; an annular series of spaced lugs on said other clutch member spaced in accordance with the individual coupon length; a pawl pivoted in the frame and normally yieldably extending into the path of said lugs to engage a lug and automatically in-



terrupt rotation of said other clutch member after each advancing movement of the strip to coupon length; means adapted to be actuated by the vertically reciprocable member to sever the strip into individual coupons; and means adapted to be controlled by the progressively advancing packages to intermittently release said pawl so that successive intermittent rotations of the pressure rolls will follow.

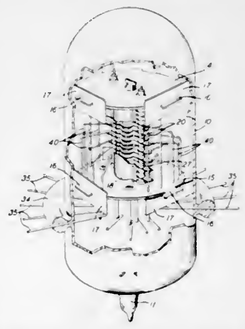
2,277,857
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 4, 1940, Serial No. 355,291
2 Claims. (Cl. 235—55)



1. In a voting machine, a row of spindles each of which is operable independently of any remaining spindle, a voter-actuatable member movable between two positions, a latch for holding said member against movement toward one position and biased for movement into member

holding position, an interlock strap connected to each spindle and extending substantially at right angles to said spindle and to said row of spindles, a bar extending adjacent said interlock straps parallel to said row of spindles, means supporting said bar for combined longitudinal and transverse movement, and a shoulder on each interlock strap engageable with one edge of said bar upon movement of the strap into spindle actuated position to effect movement of said bar, said bar being engageable with said latch upon longitudinal movement of the bar to move said latch to release said member and being biased to return to original position upon return of all actuated interlock straps to unvoted position.

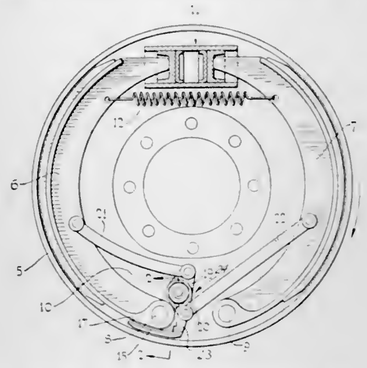
2,277,858
ELECTRONIC DISCHARGE DEVICE
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1941, Serial No. 393,921
11 Claims. (Cl. 250—27.5)



1. An electronic switching device comprising an enclosing vessel, a unitary mount within said vessel containing a central electron emitting cathode, a plurality of control elements adjacent said cathode, said elements having central apertured disc portion coaxially surrounding said cathode and outwardly extending portions fixed in linear and superimposed relation on opposite sides of said cathode, insulating means spacing said elements and mounted coextensive with said cathode, anode means cooperating with said cathode and control elements, and conductors passing through the wall of said vessel connected to said cathode, anode and control elements.

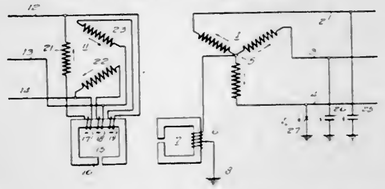
2,277,859
BRAKE
Ernst Trachsel, Zurich, Switzerland, assignor of sixty per cent to Walter Huessy, Aarburg, Switzerland
Application August 31, 1940, Serial No. 354,930
7 Claims. (Cl. 188—79.5)

1. In a brake assembly, the combination with a brake drum, a brake back plate, and a brake shoe connected to the back plate and movable toward and from the brake drum, of a feeler member movable toward and from the brake drum, a lever device mounted on the back plate for pivotal movement relative to the back plate having one arm controlling the movement of the feeler member and another arm operatively connected to the brake shoe to limit the retractile movement thereof, the two arms being adjustably connected to be reset when the movement of the brake shoe toward the brake drum as the result of wear is excessive as compared with the move-



ment of the feeler member toward the brake drum.

2,277,860
GROUND FAULT NEUTRALIZER
Robert D. Evans, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1941, Serial No. 402,177
6 Claims. (Cl. 171—97)



6. In combination, a polyphase alternating current electrical transmission system, a transformer connected to the system having inductively related delta connected and Y connected windings, a zero sequence reactor for introducing a high reactance to the flow of zero sequence current through the delta connected windings while offering a low reactance to the flow of balanced power current therethrough comprising a separate winding for each of the delta connected windings, one such reactor winding being connected in series with one phase winding only between the phase conductors of the delta connection, the several reactor windings being closely coupled, wound in the same direction, and similarly connected to the several phase windings, a grounding reactor connected between the neutral point of the Y connected windings and ground and so dimensioned electrically that upon the occurrence of the grounding of one phase conductor of the system the voltage to ground from the neutral point of the system does not exceed a predetermined value which is materially less than the normal voltage to ground of a phase conductor of the system, a single magnetic core circuit for the windings of said zero sequence reactor and the windings of said grounded reactor, the several windings being so positioned thereon that the zero sequence current flowing in the several windings at one time will produce magnetic flux forces in the same direction in the core circuit, said two reactors together providing

on the occurrence of a ground on a phase conductor of the system a zero phase sequence lagging current for effectively suppressing the capacitance current to ground at the grounded point.

2,277,861

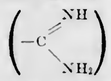
PROCESS FOR THE PREPARATION OF DIAMIDINE DERIVATIVES

Arthur James Ewins and Harry James Barber, Romford, George Newbery, Hutton Mount, Julius Nicholson Ashley, Upminster, and Alan David Henderson Self, Hornchurch, England, assignors to May & Baker, Limited, London, England, a company of Great Britain and Northern Ireland

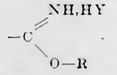
No Drawing. Application December 5, 1938, Serial No. 244,032. In Great Britain December 10, 1937

6 Claims. (Cl. 260—564)

1. Process for the preparation of diamidine derivatives of the type Am.R.X.R.Am in which Am represents the amidine group

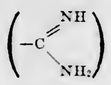


R represents a benzene nucleus, and X represents the linkage O—$(CH_2)_n$—O in which n is a whole number of the series from 1 to 10, characterized by treating the corresponding dicyano compounds CN.R.X.R.CN in solution in an anhydrous lower aliphatic alcohol with dry hydrohalide acid being a member of the group consisting of hydrochloric and hydrobromic acid whereby the cyano groups are converted into imino-ether-hydrohalides



(where Y is a member of the halogen series consisting of chlorine and bromine and R is an alkyl group) and treating the compounds so obtained with ammonia to yield the required diamidines.

6. A member selected from the group consisting of the diamidine derivatives of the type Am.R.X.R.Am, and the hydrochloric and hydrobromic acid addition compounds of such diamidine derivatives, in which Am represents the amidine group



R represents a benzene nucleus, and X represents the linkage O—$(CH_2)_n$—O in which n is a whole number of the series from 1 to 10.

2,277,862

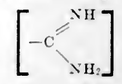
PROCESS FOR THE PREPARATION OF DIAMIDINE DERIVATIVES

Arthur James Ewins and Harry James Barber, Romford, George Newbery, Hutton Mount, Julius Nicholson Ashley, Upminster, and Alan David Henderson Self, Hornchurch, England, assignors to May & Baker, Limited, London, England, a company of Great Britain and Northern Ireland

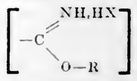
No Drawing. Original application December 5, 1938, Serial No. 244,032. Divided and this application December 5, 1940, Serial No. 368,612. In Great Britain and Australia December 10, 1937

6 Claims. (Cl. 260—564)

1. Process for the preparation of diamidine derivatives of the type Am.R.O.R.Am in which Am represents the amidine group



R represents a member of the group consisting of a benzene nucleus and a benzyl group which is united to the oxygen by its side chain, characterised by treating the corresponding dicyano compounds CN.R.O.R.CN in solution in an anhydrous lower aliphatic alcohol with dry hydrohalide acid, being a member of the group consisting of hydrochloric and hydrobromic acid, whereby the cyano groups are converted into imino-ether-hydrohalides



(where X is a member of the halogen series consisting of chlorine and bromine and R is an alkyl group) and treating the compounds so obtained with ammonia to yield the required diamidines.

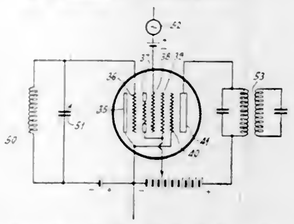
2,277,863

ELECTRON DISCHARGE DEVICE AND CIRCUIT

Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application April 28, 1937, Serial No. 139,375, now Patent No. 2,219,102, dated October 22, 1940. Divided and this application June 21, 1940, Serial No. 341,615

5 Claims. (Cl. 250—27)



1. In combination, an electron discharge device having a cathode and a control electrode adjacent thereto for providing a stream of electrons, an anode for receiving said electrons, a second control electrode positioned in the stream of electrons between said first control electrode and said anode, means for impressing a variable potential on said second control electrode effective to cause diversion of a varying number of electrons from said stream, and means positioned between the first and second control electrodes at the side of the electron stream for receiving electrons diverted by said second control electrode, said last named means being directly exposed to the second control electrode.

2,277,864

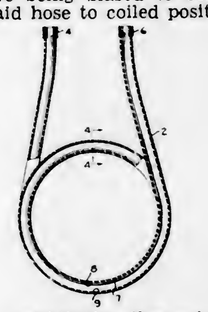
MEANS AND METHOD OF COILING HOSE

Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio, a corporation of Ohio

Application September 3, 1940, Serial No. 355,183

2 Claims. (Cl. 138—61)

1. In combination, a flexible hollow hose normally tending to assume a straight position, and an unattached spring steel wire disposed therein and held therein by frictional engagement only, said wire being biased to coiled position and biasing said hose to coiled position, but be-



ing adapted to yieldingly allow said hose to be uncoiled, and to return the same to coiled position.

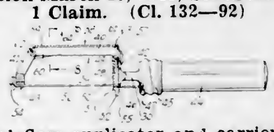
2,277,865

DENTAL FLOSS APPLICATOR

Ludwig Jurovaty, New York, N. Y.

Application March 10, 1941, Serial No. 382,525

1 Claim. (Cl. 132—92)



A dental floss applicator and carrier comprising a frame having a longitudinal portion and an inner and an outer transverse member projecting from the ends of said portion, said inner member having a threaded opening, a pivot pin having a threaded end operable in said opening, a hollow handle having a cap, said cap having a solid projection terminating in an apertured hub, the aperture in said hub receiving the unthreaded portion of said pivot pin for pivotal mounting of said handle thereon, said outer terminal portion having a threaded screw, said cap having an aperture therein, said hollow handle adapted to receive a supply of dental floss to be fed thru the aperture in the cap, and said pivot pin and threaded screw adapted to have the fed-portion of the floss wound therearound to lock same on the frame.

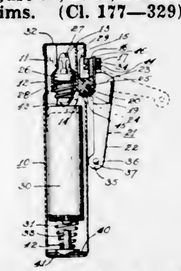
2,277,866

HAND OPERATED ELECTRIC LIGHT SIGNAL DEVICE

Aaron D. Le Sage, Manteno, Ill.

Application August 30, 1941, Serial No. 409,075

4 Claims. (Cl. 177—329)



1. In a flash light device, a casing of electrical conducting material, a light holding member of electrical conducting material positioned within said casing, an electrical light positioned within said holding member, said holding member engaging one contact of said electric light, a battery within said casing insulated from contact with said casing, one end of said battery contacting the other contact of said electric light, the other end of said battery having a contact, a contact member spaced below said battery and in electrically conductive relationship to the casing, said contact member normally spaced from contact with said battery and means for moving said light holding member and battery downwardly so as to cause said contact member to engage the contact in the other end of said battery.

4. In a flash light device, a casing of electrical conducting material, said casing having an open bottom, a light holding member of electrical conducting material positioned within said casing, an electric light positioned within said holding member, said light holding member engaging one contact of said electric light, a battery within said casing, insulated from contact with said casing, one end of said battery contacting the other contact of said electric light, the other end of said battery having an insulated portion and a contact, a coiled spring with its upper end contacting the insulated portion of the other end of said battery, a contact member spaced below said battery and in electrically conductive relationship to the casing, said contact member normally spaced from contact with said battery, means for moving the light holding member and battery downwardly so as to cause the contact member to engage the contact in the other end of the battery, the wall of said casing having an inwardly extending flange at its bottom, a bottom disc of electrical conducting material within said casing below said contact member pressed by the force of said spring against said flange and the wall of said casing also having a slit slightly above said flange, said slit adapted to permit the insertion and removal of said bottom disc.

2,277,867

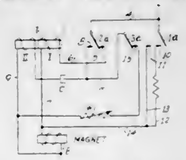
ELECTROMAGNETIC SELF-INTERRUPTER

Peter Lösch, Berlin, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung," Berlin, Germany, a corporation of Germany

Application December 4, 1939, Serial No. 307,469

In Germany October 27, 1938

7 Claims. (Cl. 175—373)



1. An electromagnetic interrupter device for controlling the circuit of a device comprising a relay and a condenser, contacts on said relay directly controlling the circuit of the device to operate it intermittently, other contacts on the relay for closing charging and discharging circuits for the condenser and causing the charge and discharge thereof to control the energization and deenergization time of the relay.

2,277,868

FAN CONSTRUCTION

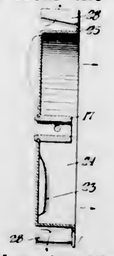
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application August 12, 1937, Serial No. 158,669

2 Claims. (Cl. 230—44)

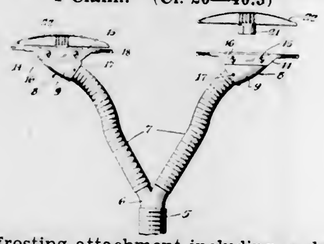
1. As an article of manufacture, a fan, a flange

extending angularly from and connected to the tips of the fan blades, an outwardly extending flange projecting from the edge of said first



named flange, and a plurality of vanes extending angularly from said last named flange, said vanes overlying said first named flange and being tapered towards their outer ends.

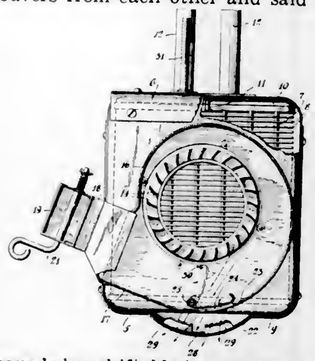
2,277,869
DEFROSTING ATTACHMENT
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,497
1 Claim. (Cl. 20—40.5)



A defrosting attachment including, a deflector to be applied to the upper-face of a dash and in line with an opening through the latter, a nozzle element to be disposed below said dash and also substantially in line with the opening therethrough, a bracket secured to said nozzle element and to be applied to the under-face of said dash for mounting the latter, a tubular extension forming a part of said deflector and adapted to project into said nozzle element, said extension in cross-section being materially smaller than said nozzle and the length of said deflector being at least equal to the length of said nozzle adjacent its discharge end and partition members mounted by said nozzle at points short of the ends of the latter and defining a space just adequate to receive said extension and whereby to maintain said deflector in position.

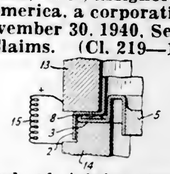
2,277,870
HEATER
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application March 2, 1940, Serial No. 321,940
5 Claims. (Cl. 257—137)

1. A heater including a blower wheel, a casing enclosing the same to receive air from said wheel, a core disposed adjacent said wheel and through which air is to flow in heat exchange contact towards the latter, a second casing enclosing said core and said blower wheel, said first named casing being formed with an opening, means shiftable to a position to obstruct said opening whereby all air will flow through said first named casing, and said second casing being formed with two series of louvers adjacent the opening of said first named casing, a strip forming a part of said second casing and separating said louvers from each other and said obstruct-



ing means being shiftable to a position such that air is deflected through the opening in said first named casing and is further deflected by the inner face of said strip and caused to flow through both of said series of louvers.

2,277,871
HERMETIC SEAL
Loris E. Mitchell, Bloomfield, and Anthony J. Vasselli, Newark, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 30, 1940, Serial No. 367,928
4 Claims. (Cl. 219—10)

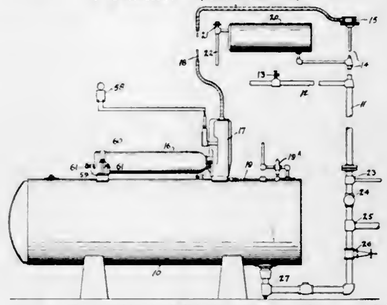


4. The method of joining two sheet metal pieces along an extended line of contact comprising folding the edge portion of one piece back upon itself, forming a bead in the folded portion substantially thicker than the sheet metal of said one piece, pressing said bead against the other piece and passing welding current between the two pieces through said bead.

2,277,872
PRODUCTS FROM TARTARIC ACID
Richard Pasternack, Brooklyn, and Ray Arthur Patelski, Kew Gardens, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application February 9, 1940, Serial No. 318,102
5 Claims. (Cl. 260—484)

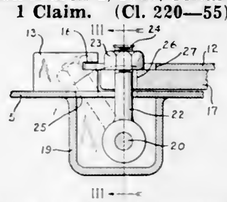
1. Process for the preparation of the methyl ester of diacetylthreuronic acid, comprising refluxing diacetyltartaric anhydride with anhydrous methanol in a water-free solvent selected from the group consisting of benzene, toluene and xylene; heating the resulting monomethyl ester in a sufficient amount of the alcohol-free solvent containing one mole of phosphorus pentachloride to permit complete solution at below 100° C.; removing the resulting phosphorus oxychloride by distillation; and reducing the resulting acid chloride in xylene solution by the action of hydrogen and a palladized barium sulfate catalyst in the presence of minor proportions of sulfurized quinoline and acetyl chloride.

2,277,873
PRESSURE TANK SPRINKLER SYSTEM
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application August 10, 1940, Serial No. 352,085
7 Claims. (Cl. 169—9)



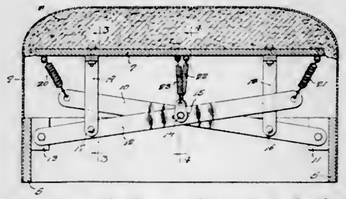
7. In a fire extinguishing system the combination of a fluid filled supply tank, a set of fluid filled conducting pipes communicating therewith, sprinklers on the said pipes, a riser communicating with the said pipes and terminating above the uppermost sprinkler of the system, a compressed gas source for establishing pressure in the said supply tank and a fluid pressure responsive mechanism comprising a diaphragm, a housing therefor provided with a diaphragm chamber having an outwardly bowed wall adjacent one face of the diaphragm and a flat wall preventing deflection of the diaphragm in the opposite direction, a shield positioned between said diaphragm and the said flat wall for preventing the diaphragm from adhering thereto, an opening in said flat wall, said bowed wall diaphragm chamber communicating with the said riser, means for conveying pneumatic pressure to the opening in the flat wall adjacent the diaphragm, a main compressed gas release member and means for releasing the said release member on movement of the diaphragm toward the said bowed wall as in response to a drop in the fluid level in the fire extinguishing system in communication therewith.

2,277,874
FASTENING DEVICE FOR WASHING MACHINES
Abe Miller, Detroit, Mich.
Application March 1, 1940, Serial No. 321,697
1 Claim. (Cl. 220—55)



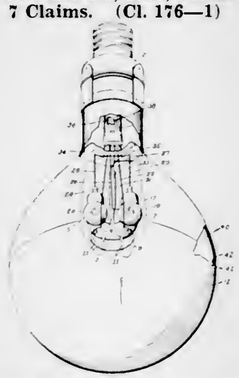
In a washing machine a horizontally disposed rotatable cylindrical container having an opening through its cylindrical wall, an arcuate door slidably mounted on the container and adapted to cover said opening, the door being slidable circumferentially of the container and having a slot communicating with the side margin of the door and extending transversely of the movement of the door, an eye bolt pivotally attached to one end to the container within the radial projection of the arcuate door projecting radially of said container in operative position and swingable longitudinally of the container, said bolt being engageable with said slot when the door is in closed position, and a nut cooperable with the eye bolt for drawing the door in clamped relationship with the container, whereby centrifugal force of the rotating container prevents the bolt from disengaging with said slot.

2,277,875
CAR SEAT
Albert C. Macbeth, Seattle, Wash.
Application September 22, 1939, Serial No. 296,051
3 Claims. (Cl. 155—9)



3. In a car seat, the combination of a bed part, a seat part disposed in elevated relation to the bed part, a lever arm pivotally connected at one end to a side of the bed part and fulcrumed in proximity of said pivot to the seat part, a lever arm complementing said first-named lever arm and correspondingly pivoted and fulcrumed at the opposite side of the seat to traverse the first-named arm on the longitudinal median line of the seat, connection at the point of juncture of the arms coupling the same for corresponding vertical movement about their respective pivots and fulcrums as axes, tension springs extending diagonally from the free ends of the lever arms to the seat part for yieldingly sustaining a load upon the latter, and a pair of tension springs extending between the seat part and the center connection of the arms, one of said center springs being disposed perpendicularly and the other diagonally.

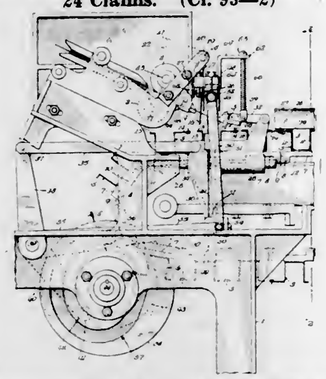
2,277,876
ELECTRIC LAMP
Michel E. Macksoud, Gloucester, Mass.
Application November 9, 1938, Serial No. 239,638
7 Claims. (Cl. 176—1)



1. An electric illuminating lamp comprising a bulb, a curved elongated gas discharge tube located concentrically within the bulb with its ends at the same level in the bulb and being curved substantially in the arc of a circle with its axis lying in a plane disposed substantially

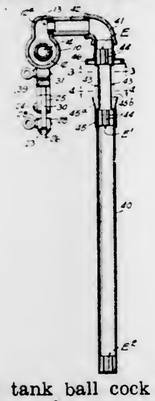
at right angles to the longitudinal axis of the bulb, and a filament in circuit with said tube and curved to conform longitudinally therewith.

2,277,877
WRAPPING MACHINE
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 22, 1940, Serial No. 346,686
24 Claims. (Cl. 93—2)



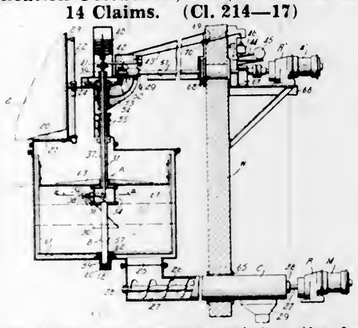
1. A machine of the class described comprising a frame, a continuously moving conveyor, means for feeding a sheet of material to said conveyor, shaping means for said sheet slidably mounted on said frame independently of said conveyor, and means separate from said conveyor for moving said shaping means along with the conveyor and at the same speed thereof for a predetermined distance.

2,277,878
SILENT ANTISIPHON FIXTURE
George J. Morris, Los Angeles, Calif.
Application February 14, 1940, Serial No. 318,847
4 Claims. (Cl. 137—111)



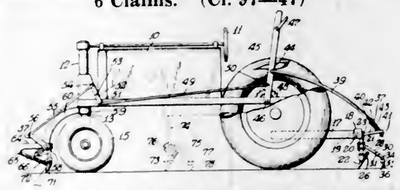
1. In a flush tank ball cock having a water inlet from a source of pressure supply and water outlet, a vertically disposed filling tube connected to the outlet; means defining an opening in the tube adapted to be positioned above the high water level in a tank, through which air will be drawn into the tube should back-siphoning occur through the ball cock; two means respectively defining a plurality of water passages in the tube parallel to its axis and in juxtaposition to the top and bottom of the opening, the top one of said two means operating to confine the water in the tube against discharging through said opening, and the bottom one of said two means aiding the first one thereof in obviating air noises at the opening; and means co-acting with the opening for collecting and returning to the tube any water which discharges through the opening upon striking the bottom one of said two means.

2,277,879
APPARATUS FOR CONTROLLING THE LEVEL OF FINELY DIVIDED MATERIAL WITHIN CONTAINERS
Charles Ness, Indianapolis, Hugo V. Kojola, Whiting, and Guy A. Dunn, Beech Grove, Ind., assignors to The Prest-O-Lite Company, Inc., a corporation of New York
Application October 12, 1938, Serial No. 234,546
14 Claims. (Cl. 214—17)



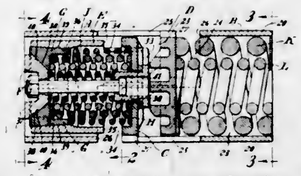
1. In apparatus for maintaining the level of finely divided material in a container within predetermined upper and lower limits, the combination comprising a motor driven conveyor for conveying such finely divided material between the interior of said container and a point outside thereof; control means for the conveyor motor; at least one element mounted within said container and movable through a predetermined circular path in the container; a shaft; means for rotating said shaft; means operatively connecting said shaft to said element to rotate said element through such predetermined circular path in the container, said means being operative to provide for a lag in the rotation of said element with respect to said shaft due to resistance of material in said container to movement of said element when material in said container reaches a predetermined level; and means operative in response to such lag in the rotation of said element to actuate said control means.

2,277,880
LEVELING ATTACHMENT FOR TRACTORS
Harley B. Noble, Washta, Iowa
Application April 12, 1940, Serial No. 329,355
6 Claims. (Cl. 97—47)



1. A leveling attachment for tractors comprising shovels pivotally attached rearwardly of tractor wheels, means for pivoting the same to inoperative position, including a shaft attached to said shovels, an arm attached to said shaft, a hand lever pivotally attached to a tractor frame, a rod attached to said arm and said lever, a further member attached rearwardly of said shovels, pointed members attached to said member for breaking up the ground surface behind said shovels.

2,277,881
SHOCK ABSORBING MECHANISM
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 27, 1940, Serial No. 367,315
10 Claims. (Cl. 213—24)



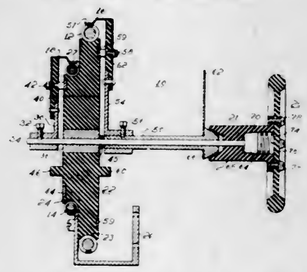
1. In a shock absorbing mechanism for railway draft riggings, the combination with front and rear main followers relatively movable toward each other lengthwise of the mechanism; of front and rear casings bearing respectively on said front and rear main followers; front and rear intermediate followers, said front and rear intermediate followers being longitudinally movable with respect to said front and rear casings; rearwardly projecting pressure transmitting column means on said front casing engaging said rear intermediate follower; forwardly projecting pressure transmitting column means on said rear follower casing engaging said front intermediate follower; a shock absorbing device including a friction clutch, cooperating friction shell, and spring resistance, said clutch and spring resistance being interposed between said front main follower and front intermediate follower with the spring bearing on said last named follower; and spring means interposed between said rear intermediate and rear main followers.

2,277,882
TOY
Albert T. Quady, Great Falls, Mont.
Application May 27, 1941, Serial No. 395,462
3 Claims. (Cl. 46—86)



1. A toy of the character described comprising, a body of hollow formation, a compartment mounted on the back of said body having a pivoted cover, a collapsible parachute anchored to the body and normally collapsed within said compartment, latching means for said cover, a cylinder mounted within said body, a rod operable within said cylinder and having one end projecting through said body, piston means mounted on the other end of said rod, and means mounted intermediate the ends of said rod for actuating said latching means to release said toy upon the downward movement of said rod within said cylinder.

2,277,883
RHEOSTAT
Forrest E. Rich, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,352
2 Claims. (Cl. 201—55)

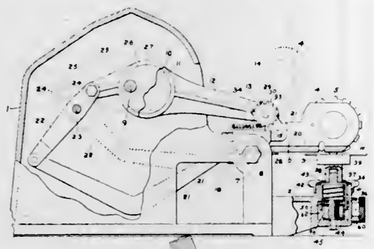


1. The combination, in a rheostat, of a main resistance element having a contact member operable to vary the amount of said resistance in a circuit in relatively large steps, an auxiliary vernier resistance having a contact member for varying the amount of said resistance in the circuit in relatively small steps, a pair of independently rotatable coaxial shaft members for actuating the contact members each having a clutch member positioned thereon, said clutch members being associated in spaced and opposed relation, a handle supported by one of said shaft members having an additional clutch member positioned between the said clutch members axially movable in any position to engage only one or the other of the clutch members, and means normally biasing the handle to engage one of the clutch members.

2,277,884
MARKING MACHINE
Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application October 25, 1939, Serial No. 301,133
1 Claim. (Cl. 101—305)

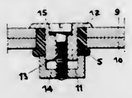
A marking machine comprising a frame having forwardly extending cheek pieces, a platen stationarily supported on the frame in front of the cheek pieces, a horizontally extending rocker member carrying a printing head at its outer end, said rocker member having laterally extending wings with downturned ends, means pivotally connecting said downturned ends with the cheek pieces thereby providing a pivotal axis for the rocker member, said rocker member also having an upstanding extension, a horizontal actuating member pivoted to said extension, and means to oscillate said actuating member in the general direction of its length with an amplitude

of oscillation which is nearly the same as the distance between the pivotal axis of the rocker member and the pivotal connection between said rocker member and the actuating member, the pivotal axis for the rocker being directly beneath



the arc through which the pivotal connection between said actuating member and the rocker member travels as the actuating member is oscillated, whereby the rocker moves through a wide angle in travelling from its printing position to its raised position.

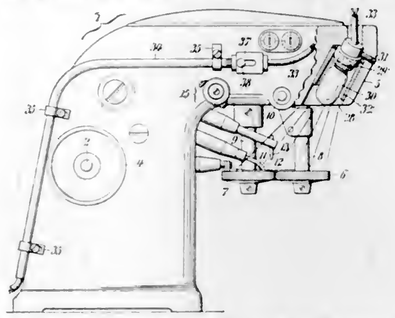
2,277,885
SECURING DEVICE
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, France
Application July 28, 1939, Serial No. 287,064
In France August 5, 1938
2 Claims. (Cl. 85—2.4)



1. A securing device for securing one or more panel means or the like, including a rigid cylindrical member having a shank adapted to extend through an aperture in said panel means and a head or shoulder upon one end of larger diameter than that of said hole and adapted to bear against one side of the panel means around the hole, a tubular member of resilient material with a diameter substantially similar to that of said hole and mounted upon the shank of said cylindrical member, a screw extending axially through said cylindrical member and having means for retaining the head of the latter against said panel means, and a nut for said screw of smaller exterior diameter than that of the hole and having means for receiving and guiding the end of the shank of said cylindrical member.

2,277,886
SEWING MACHINE
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1939, Serial No. 307,579
3 Claims. (Cl. 112—218)

1. In an overedge sewing machine, a housing in which the operating mechanism of the machine is enclosed; a pair of tangentially opposed wheels for feeding the work; a stitch forming instrumentality operative above the feed wheels; a cavity in a wall of the housing having its axis passing substantially through the point of stitch formation; and a source of light recessed into the cavity with its beam directed on the feed wheels and the stitch forming instrumentality at the point of stitch formation, the cavity being

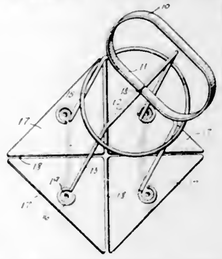


of such depth as to shield the light from the eyes of the operator.

2,277,887
CONDENSATION PROCESS OF THE FORMALDEHYDE-ACETALDEHYDE TYPE
Hermann Schulz, Neu-Isenburg, and Hans Wagner, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application August 29, 1939, Serial No. 292,404. In Germany September 10, 1938
5 Claims. (Cl. 260—602)

1. A process for producing acrolein which comprises catalytically condensing formaldehyde and acetaldehyde in the vapor phase at temperatures high enough to maintain said aldehydes in vapor phase, and preventing the vapors from coming into contact with iron and aluminum.

2,277,888
SANDWICH CUTTER GUIDE
Isadore Segal, Philadelphia, Pa.
Application August 10, 1940, Serial No. 352,075
2 Claims. (Cl. 146—150)



1. A device of the character described comprising a handle, four legs depending from said handle, and a base structure carried at the foot of each leg, the base structure on one leg being spaced from the base structure of each adjacent leg to define a sandwich cutting slot whereby the four base structures carried by the said four legs provide intersecting diagonal slots.

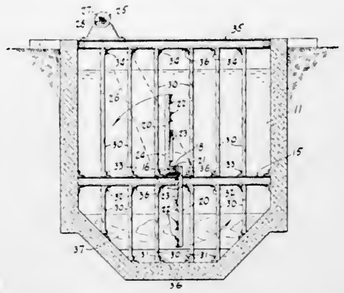
2,277,889
LAND LEVELING MACHINE
Lawrence E. Shumaker, Denver, Colo., assignor to Eversman Mfg. Co., Denver, Colo.
Application September 12, 1940, Serial No. 356,464
9 Claims. (Cl. 37—169)

1. A land leveler comprising: an open horizontally positioned frame; leveling drags at the front and rear of said frame; ground engaging wheels at each side of said frame; a crank axle extending from each wheel rearwardly and upwardly to a pivot on said frame, thence continuing rearwardly and upwardly within said frame, thence connected across said frame; a scraper blade extending across said frame parallel to the midportion of said axle; means for pivotally



mounting said blade in said frame forwardly of said axle, an adjustable connection between said axle and said blade; toggle links for swinging said crank axle to lift said frame and blade; an annular series of rotating members revolved by said wheels; and a hooked member pivotally mounted on said toggle links for temporarily engaging said rotating members to actuate said toggle links.

2,277,890
APPARATUS FOR FLOCCULATION
Robert T. Steindorf, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 4, 1939, Serial No. 288,345
3 Claims. (Cl. 259—9)

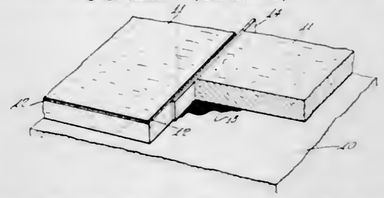


1. In apparatus of the class described, the combination of a tank, horizontal shafting parallel to the length of said tank and in the direction of liquid flow, paddles mounted on said shafting arranged to impart a spiral motion to liquid in said tank, sets of baffles arranged between said paddles, said baffles having substantial width lengthwise of the tank, but affording no substantial retardation of the flow therethrough and means for revolving said paddles at different velocities.

2,277,891
STABLE ZEIN SOLUTION
Oswald C. H. Sturken, Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 5, 1939, Serial No. 288,589
12 Claims. (Cl. 106—152)

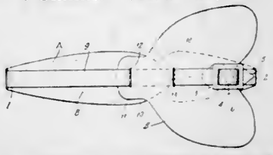
1. A stable, non-gelling solution which is substantially water free and which contains zein, ethyl alcohol and an abietic acid containing substance in quantity to make the zein soluble in anhydrous alcohol.

2,277,892
FLOORING CONSTRUCTION
George E. Swenson, Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application July 7, 1938, Serial No. 217,877
6 Claims. (Cl. 20—7)



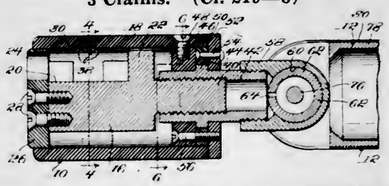
1. In a floor construction comprising a floor receiving base and a protective wearing surface applied thereto, the combination with the applied wearing surface comprising a plurality of units laid on said base in spaced side by side relation and adhered to the floor receiving base by a layer of plastic adhesive, of strips of impregnated and coated fibrous material adhered to the edges of adjacent units and filling the spaces therebetween, whereby a joint filler is formed between the contiguous units allowing the applied wearing surface to expand and contract.

2,277,893
HAND PROTECTOR
Charles Tweedie, Jefferson City, Mo.
Application March 26, 1941, Serial No. 385,258
7 Claims. (Cl. 2—20)



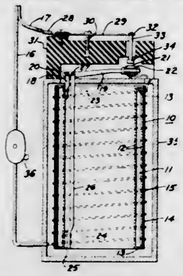
1. A hand protector comprising a band doubled on itself and united into two loops adapted to accommodate the index and little finger of the hand, and means for adjusting said loops to the hand, said means comprising a buckle mounted near the end of the back portion of one loop, a ring slidably mounted on the other loop, and a strap attached to said ring and adapted to cooperate with said buckle.

2,277,894
ELECTRODE HOLDER
Ralph W. Welsh, Camden, N. J.
Application April 3, 1941, Serial No. 386,741
3 Claims. (Cl. 219—8)



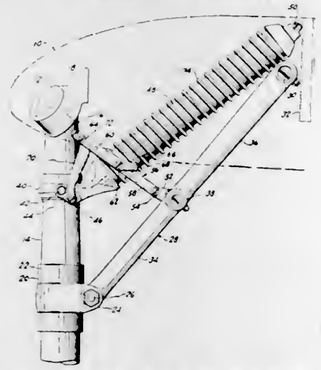
1. In an electrode holder, the combination of a body having a groove defined by converging walls, a shell of insulating material rotatable relatively to said body about the axis of said groove, and a cam fixedly carried by said shell arranged for pressure engagement with the electrode to press the electrode against said walls.

2,277,895
TEMPERATURE CONTROL DEVICE
Arnold F. Willat, San Rafael, Calif.
Application April 22, 1940, Serial No. 330,894
7 Claims. (Cl. 219—38)



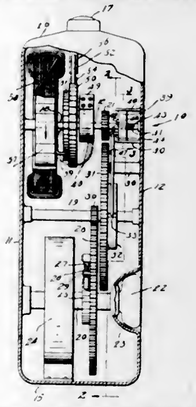
1. In combination with a device having a steam chamber in which temperature is to be controlled and having an electrical means for heating said steam chamber, a thermostat apparatus for controlling the heating means, said thermostatic control apparatus comprising a first member having a contact point in the electric circuit of the heating means, a second member movable to make and break an electrical contact with said first member responsive to changes of temperature of the controlled device, one of said thermostat members including in said thermostat circuit a longitudinally expandible portion which is subject to expansion by heat induced therein by the electric energy of the circuit independently of the temperature of the controlled device, said expansible portion in the thermostat circuit having substantially uniform electrical high resistance throughout its body and being expansible responsive to the electrical current passing therethrough.

2,277,896
LANDING GEAR
Frank C. Albright, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1939, Serial No. 291,541
15 Claims. (Cl. 244—102)



1. In combination with an airplane landing gear having a main strut swingable about a fixed point at its upper end from an extended to a retracted position, a motor device connected between said strut and a relatively fixed point on said airplane for supporting said strut, means comprising a toggle linkage connected between said brace member and a fixed point on said airplane and having an operative connection with said motor for locking said strut in either its extended or its retracted position, said toggle being operable by a reversal of said motor to release said strut for movement.

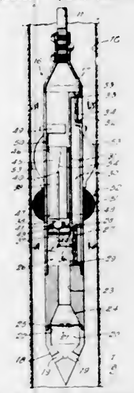
2,277,897
BATTERYLESS FLASHLIGHT
George W. Alexander, Boston, Mass.
Application September 11, 1941, Serial No. 410,414
3 Claims. (Cl. 240—10.5)



1. An improved batteryless flashlight comprising in combination, a casing having a flashlight lens located on one end and a winding key and release button located in the sides thereof, a main drive spring attached to a main drive shaft both of which are fixed to said winding key, a ratchet member fixed to said main drive shaft and a main drive gear journalled on said main drive shaft, a ratchet pawl member pivoted to the said main drive gear and engaging against said ratchet member, a mutilated gear located in said casing being driven by said main drive shaft gear, a drum fixed to said mutilated gear on one side thereof, the said drum having a slot located across the face thereof, an electric generator located in said casing being freely journalled in its rotor portion on a generator drive shaft, a ratchet gear fixed to said generator drive shaft, a spring pawl member attached to the side of said rotor, one end of said rotor pawl engaging ratchet teeth on said generator shaft ratchet member, a release button lever pivoted in said casing and having a hooked end engaging with ratchet teeth located in the face of said generator drive shaft ratchet member, a spring located around said generator drive shaft, one end of said generator shaft spring being anchored to said generator shaft and the other end being anchored to said casing, a pinion fixed to said generator drive shaft engaging with said mutilated gear when said mutilated gear is in position to engage with said pinion, a slide member threaded to said generator drive shaft and having a stop pin located in its side facing said pinion, the said slide member being threaded on the said generator drive shaft, a dog lever pivoted in said casing having a hooked end located over the face of said mutilated gear drum, a spring lever fixed to said mutilated gear for the purpose of engaging said dog lever and depressing its hooked end into engagement with the slot

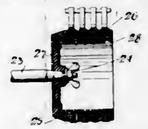
located in its face and thereby raising the opposite end of the said dog lever for the purpose of engaging the slide member stop pin thereunder, means for positioning the said generator drive shaft pinion with respect to said mutilated gear located on said generator shaft and said slide member stop pin.

2,277,898
MEANS FOR MEASURING FLOW IN WELLS
Thomas A. Andrew, Glendale, Calif.
Application April 26, 1940, Serial No. 331,816
1 Claim. (Cl. 73—198)



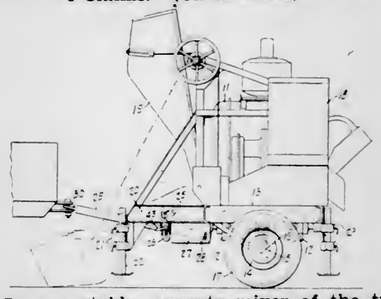
A tool of the class described, comprising an outer housing, means suspending the same within a well bore, fluid pressure responsive means at the lower end of said housing and subjected to the pressure of the fluid within the well bore below the tool, fluid pressure responsive means adjacent to the upper end of the housing and subjected to the pressure of the fluid within the bore in the area therearound, a restricting member carried on the outer face of the housing at a point between the upper and lower fluid pressure responsive means and acting to restrict the flow of fluid lengthwise of the tool and to create a differential fluid pressure acting against the lower fluid pressure responsive means and the upper fluid pressure responsive means, a pressure responsive intermediate element in said housing subjected to the pressure exerted by the upper and lower fluid pressure responsive means and at opposite sides thereof, and a chronologically operated recording means actuated by said element to record the differential fluid pressure exerted between the upper and lower fluid pressure responsive means in said housing.

2,277,899
CONTROL DEVICE AND SYSTEM
John R. Aufiero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application November 5, 1940, Serial No. 364,355
4 Claims. (Cl. 200—24)



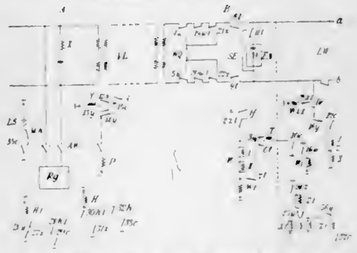
1. A control member including a rotatable shaft, means for driving the same, a record unit comprising a tubular body open at one end and closed by an end plate at the other end, a shaft retaining opening in said end plate, means accessible through the open end of said tubular body for securing said shaft to said tubular body through said shaft opening, spaced contact strips on said tubular body, a contact ring on said end plate, means for energizing said ring, and means for electrically connecting said ring to said contact strips.

2,277,900
TOWING ATTACHMENT FOR CONCRETE MIXERS
Charles F. Ball, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 29, 1940, Serial No. 316,171
3 Claims. (Cl. 214—130)



1. In a portable concrete mixer of the two-wheeled-type having a frame pivotally mounted on the axis of said wheels, a pair of adjustable outriggers disposed forwardly of said mixer, a towing attachment pivotally secured to said frame and means arranged rearwardly of said outriggers for locking said towing attachment in one of a plurality of pivoted positions with respect to said frame, whereby said attachment may be connected to a towing vehicle while said mixer is supported on said outriggers.

2,277,901
TELEPHONE SYSTEM
Alois Brandstetter, Berlin, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application October 27, 1939, Serial No. 301,657
In Germany October 27, 1938
9 Claims. (Cl. 179—16)



1. In a telephone or like system, a trunk line, two devices associated with one end of said trunk line, said devices operable in succession at times and simultaneously at other times, and means controlled by said devices for transmitting an impulse over said trunk line responsive to the

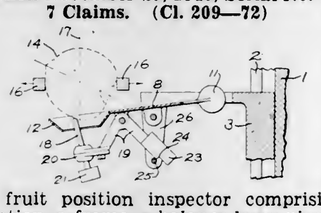
operation of each device if they are operated in succession and for transmitting two impulses in succession over said trunk line if said devices are operated simultaneously.

2,277,902
ACTUATOR
Gaetano Carbonaro, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,345
1 Claim. (Cl. 200—16)



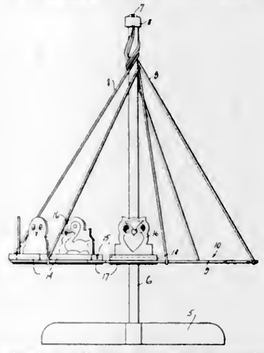
A switch including a housing, mounting strips supported within said housing, a pair of contact strips having their ends secured to said mounting strip and spaced therefrom, said contact strips being disposed within said housing in spaced relationship and opposed to each other, a rod slidably mounted between said strips, a contact member mounted by said rod to move with the same, inwardly projecting portions forming a part of said contact strips and projecting into the path of movement of said member, certain portions on the different strips being disposed out of line with each other, whereby said member will move out of engagement with one portion before engaging another contact portion, others of the contact portions on the different strips being disposed substantially in line with each other and whereby said member will simultaneously engage said latter portions and means for normally urging said rod to a position such, that said member will be out of engagement with all of said contact portions.

2,277,903
MEANS FOR INSPECTING FRUIT FOR POSITION
Ellsworth W. Carroll, San Carlos, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application November 29, 1940, Serial No. 367,740
7 Claims. (Cl. 209—72)



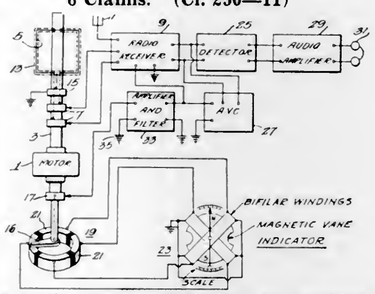
1. A fruit position inspector comprising, in combination, a frame, a balance lever pivoted on said frame, a fruit receptacle at one end of said lever, a lever lock, and trigger means movable in a predetermined direction by contact with a fruit in said receptacle and thereby unlocking said lever only when said fruit is placed in said receptacle with the stem indent thereof in other than within a predetermined range of positions, said fruit contacting portion being free to move in other directions to enter the stem indent when the latter is within said range without unlocking said lever.

2,277,904
SWINGING TARGET TOY
Arthur Dritz, Brooklyn, N. Y.
Application April 10, 1941, Serial No. 387,784
3 Claims. (Cl. 273—105.2)



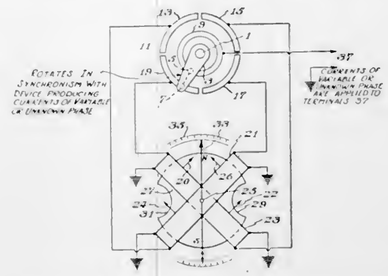
1. In a device of the nature described, a support, a vertical post supported at one end thereof on the base and provided with a transverse slot at its opposite end, a plurality of flexible strings passing through the said slot at their median points, a collar over the slotted end for maintaining the said strings in the said slot, a frame supported at the free end of the strings and one or more targets carried by the frame.

2,277,905
RADIO DIRECTION FINDER
Warren S. Eaton, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1939, Serial No. 253,707
6 Claims. (Cl. 250—11)



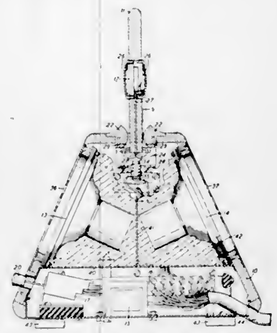
3. A radio compass including in combination a rotatable directive antenna, means for rotating said antenna continuously, means for deriving from said rotating antenna a current modulated as a function of said rotation, a commutator including at least four sections for commutating said last-mentioned current in synchronism with the rotation of said antenna, and means for applying said commutated currents to an indicator.

2,277,906
PHASE INDICATOR
Warren S. Eaton, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1939, Serial No. 253,708
6 Claims. (Cl. 172—245)



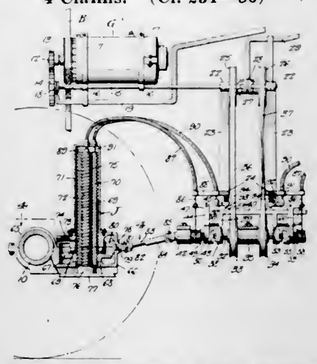
1. In a phase indicator two pairs of interwound coils angularly disposed about a common axis perpendicular to the coil axes and being capable of establishing four overlapping magnetic fields each of substantially equal strength and differently oriented about said center, a polarized disc shape armature located within said coils and arranged with its axis of rotation located at said common axis for rotational movement upon application of forces derived from said fields; and means for applying successively varying currents to said coils in synchronism with said variations.

2,277,907
TELEPHONE SET
Walter D. Goodale, Jr., Old Greenwich, Conn., Alfred Herckmans, Caldwell, N. J., and Richard J. Tillman, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 15, 1940, Serial No. 352,696
13 Claims. (Cl. 179—1)



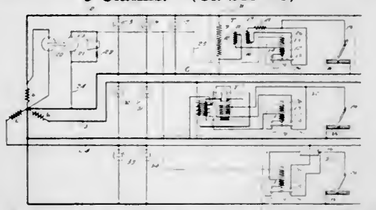
1. A distant talking and listening telephone set comprising a support having a base portion for placement on a desk or table, a bidirectional transmitter mounted on the support, loud-speaking receiver means also mounted on said support between said transmitter and said base and oriented to deliver substantially equal sound energy to both sides of said transmitter, whereby the net acoustic effect of the receiver means on the transmitter is zero.

2,277,908
AUTOMOBILE JACKING APPARATUS
Onley George Hess, Port Huron, and Wesley J. Glenn, Jeddo, Mich.
Application March 17, 1941, Serial No. 383,852
4 Claims. (Cl. 254—86)



2. In jacking apparatus of the character described, a jack having an extensible lift, a rotary drive shaft, an extension shaft connected with the jack for operating the lift, a pair of clutch sections yieldingly urged to releasably connect the extension shaft with the drive shaft, a pivoted lever connected with one of the said clutch sections and operative to move the same to disengaged position, a flexible connecting element connected with the jack lift and with the extension shaft for movement therewith, and an abutment on the said flexible element operable to actuate the lever to effect disconnection of the extension shaft from the drive shaft when the jack lift assumes a predermined position.

2,277,909
ARC WELDING SYSTEM
Claude J. Holslag, South Orange, N. J., assignor to Electric Arc, Inc., Newark, N. J.
Application May 20, 1941, Serial No. 394,253
5 Claims. (Cl. 219—8)

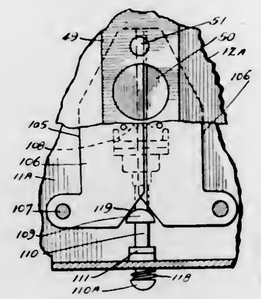


5. In an arc welding system utilizing both alternating and direct currents, means for using only the direct current for starting the arc and then switching to the alternating current for the actual welding operation.

2,277,910
LIGHTER
Leslie D. Jamieson, Toronto, Ontario, Canada
Application March 19, 1940, Serial No. 324,802
In Canada June 7, 1939
2 Claims. (Cl. 219—32)

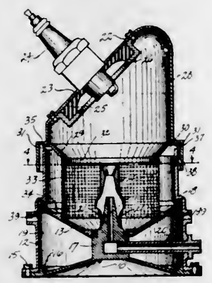
1. In a lighter device, a casing having an aperture through which a pipe, cigarette or the like may be introduced, a lighting device including an electric element so positioned within said casing that the article to be lighted must be at least

partly introduced into said aperture, an electric switch, a plunger operable to close said switch, a pair of door sections spring-held in abutting or closed relationship pivotally mounted adjacent



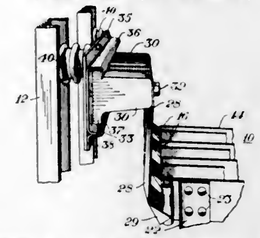
said aperture to close and open the same, and co-operating means on said door sections and plunger operable to open said aperture when said plunger is moved to close said switch.

2,277,911
SPARK PLUG CLEANER
Jesse Hoyt Johnson, Denver, Colo.
Application March 4, 1940, Serial No. 322,157
2 Claims. (Cl. 51—8)



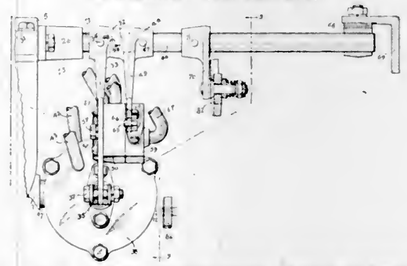
2. A spark plug cleaner comprising: a circular convex base plate; an upstanding block at the middle of said base; an air jet arising from said block; an annular shoulder surrounding said jet; a hopper-shaped sand receiver having an opening in its bottom for the passage of said jet and supported on said shoulder; a shell surrounding said receiver, said shell being secured to said base plate at its bottom periphery and extending above said receiver at its upper periphery; an internal, downwardly facing shoulder in said shell resting against said receiver and holding the latter against said shoulder; a cap member over the upper periphery of said shell; an inclined face closing the upper portion of said cap; a spark plug opening through said face at right angles to the latter so as to support a spark plug at an angle to the vertical over said air jet; a vertical jet tube surrounding said jet; a cylindrical screen surrounding said jet tube; means for supplying air to said air jet; and means for sealing said screen to said cap, there being exhaust openings in said shell for the exhaust of the air passing through said screen.

2,277,912
RESISTOR
Victor E. Johnson, Chicago, Frank H. Farmer, Hinsdale, Ray A. Simpson, Oak Park, and Perry V. Stewart, Chicago, Ill., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1938, Serial No. 237,786
6 Claims. (Cl. 201—74)



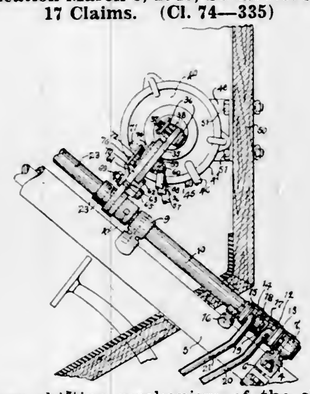
1. A resistor comprising, a frame structure, a resistor element formed of a relatively wide strip of flexible material bent flatwise to provide a plurality of substantially horizontal back and forth turns on edge and having a width sufficient to prevent undue sagging of the center portions of the turns when supported only at the ends, a plurality of insulating members supported by the frame structure in spaced relation with the said ends of the back and forth turns, and connecting means interposed between the insulating members and the ends of the back and forth turns for supporting said resistor element from said insulating members, said connecting means comprising relatively wide vertically rigid metal support members rigidly secured to said ends of the back and forth turns and having a limited area of contact therewith to reduce the heat flow to the insulating members, and means connecting the support members to the insulating members to provide a substantially rigid vertical support for supporting the ends of the said turns in spaced relation to the insulating members, said connecting means functioning to provide a support yieldable horizontally in the longitudinal direction of the back and forth turns to permit longitudinal expansion and contraction of the back and forth turns and support the back and forth turns rigidly in the vertical direction.

2,277,913
GEARSHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application March 14, 1938, Serial No. 195,865
10 Claims. (Cl. 74—473)



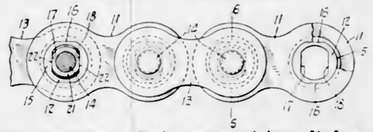
1. Gear shifting mechanism of the character described comprising a spindle, a second spindle, both of said spindles being mounted for longitudinal and rocking movements, means connecting said spindles for positive simultaneous longitudinal movements and for limited relative rotative movements, and manual means connected to said second spindle for operating said spindles.

2,277,914
GEARSHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application March 6, 1940, Serial No. 322,564
17 Claims. (Cl. 74—335)



1. Gear shifting mechanism of the character described comprising a shaft, a second shaft, both of said shafts being mounted for longitudinal and rocking movements, means connecting said shafts for positive simultaneous longitudinal movements and for slight relative rotative movements, a pair of opposite acting springs mounted on a part of said connecting means under a limited expansion, means co-acting with another part of said connecting means for effecting a further compression of one or the other of said springs by said second shaft, a manual means connected to said second shaft for operating said shafts, and a power device controlled by said connecting means for assisting said manual means in operating said first named shaft.

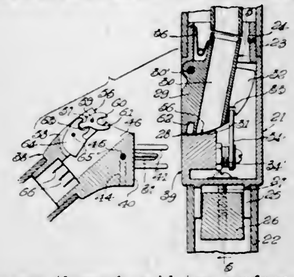
2,277,915
TWIST CHAIN
Hermann Klaucke, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 28, 1940, Serial No. 354,571
4 Claims. (Cl. 74—246)



2. In sprocket chain comprising links connected by pins which extend through bushings in adjacent links, a bushing having an internal bore, a sleeve disposed within said bushing for movement only in the plane transverse to the chain links, and a chain pin extending through said sleeve and having a running fit therein.

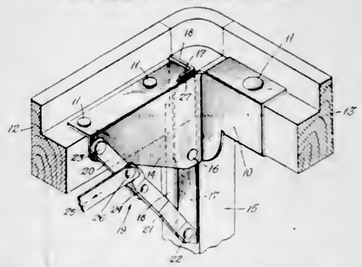
2,277,916
COIN COLLECTING MEANS
Charlie Klemt, San Antonio, Tex., assignor of two-fifths to Paul H. Kruse, San Antonio, Tex.
Application March 14, 1940, Serial No. 323,898
12 Claims. (Cl. 232—16)

5. In a device for collecting coins from a machine, a collection head having a vertical face to abut the machine, said head being provided with a top surface and with a coin-receiving passage



which opens through said top surface, said top surface being of concave form for the purpose set forth.

2,277,917
FOLDING LEG CONSTRUCTION
John Kovats, Fairfield, Conn., assignor to The Leg-O-Matic Company, Bridgeport, Conn., a corporation of Connecticut
Application May 18, 1940, Serial No. 335,981
9 Claims. (Cl. 155—148)

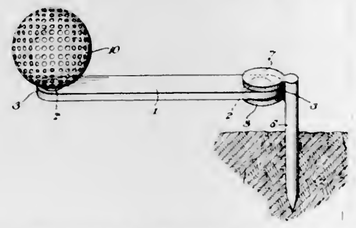


1. A folding front leg construction for a chair having frame members arranged at angles to each other to form a seat frame comprising an angle bracket secured in a corner of said frame; a front leg; a plate secured to said leg adjacent the top thereof and having a portion projecting rearwardly of the same; means pivotally securing the projecting portion of said plate to an arm of said bracket, said bracket having a slot for receiving the projecting portion of said plate when the leg is moved to fully extend position, the walls of said slot holding the projecting portion of the plate and the leg against movement normal to the plane of movement of the leg when pivotally moved; and means for remotely operating said leg including a toggle mechanism having pivotally interconnected links pivoted to the bracket and said projecting portion of said plate respectively and an actuating link pivotally connected to one of the links of said toggle mechanism.

2,277,918
GOLF TEE
Frank H. Lehman, Lebanon, Pa.
Application November 14, 1940, Serial No. 365,590
1 Claim. (Cl. 273—33)

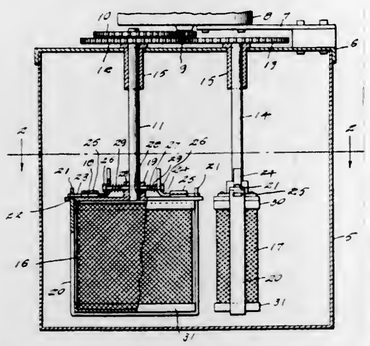
In a golf tee, in combination, a holding member for vertical erection on a supporting body, said member comprising a pin, pointed at its lower end for insertion in the supporting body and having a socket at its upper end, said socket including vertically spaced upper and lower jaws projecting radially from one side of the pin, the

inner faces of said jaws being flat and in parallel planes at right angles to the axis of the pin, a socket mouth open at the front and at one side of the pin being formed between said faces, and an elongated ball carrying bar of rigid strip material, said bar having similarly and oppositely formed end sections, said end sections having flat upper and lower parallel faces designed to permit loose slidable reception and ejection of said end sections in and from the mouth of said



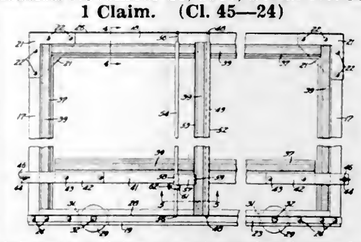
socket, and said end sections having ball seating formations correspondingly disposed on the upper faces thereof at equal distances from the terminal portions of the bar, whereby when the pin is in upright position and one end section of the bar is inserted in the socket, a ball may be seated and removably retained on the opposite end section thereof at a predetermined elevation above the supporting body, and whereby the bar may be freely ejected from the mouth of the socket when struck forwardly in a horizontal direction.

2,277,919
WATCH CLEANING MACHINE
Stephen J. Liptak, Aliquippa, Pa.
Application July 18, 1939, Serial No. 285,177
2 Claims. (Cl. 141—1)



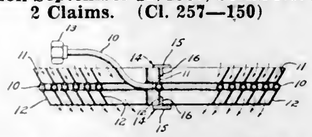
1. An attachment for a watch cleaning machine having a rotary shaft comprising a plate adapted to be fixed transversely to the said shaft, the said plate having an opening adjacent each end, a frame member adapted to encompass a cleaning basket having the opposite end portions slidably extended through the openings in the plate and having openings in the said end portions above the plate, a pair of complementary fastening elements slidably mounted on the plate, and spring means acting against the said elements yieldingly forcing the same to extended position wherein the ends of the elements extend through the openings in the ends of the frame to fasten the frame to the plate, the said fastening elements being manually compressible to retracted frame releasing positions.

2,277,920
CURTAIN DRIER
Frank B. Loustalet, Berkeley, Calif.
Application November 18, 1940, Serial No. 366,132
1 Claim. (Cl. 45—24)



A drier comprising a rectangular frame having joined top and bottom rails and side posts, a horizontal adjustable rail mounted for vertical movement in said frame and extending between the side posts thereof, extension bars secured to the respective ends of said adjustable rail and overlying opposite sides of said side posts, bolts connecting said extension bars for bringing the latter together to clamp said side posts therebetween, a strip of material, secured to and extending longitudinally of said top rail, having spaced apertures therein, an angle bar secured to and extending longitudinally of said bottom rail in parallel relation to said top rail strip, said angle bar having therein spaced apertures vertically axially alined with the apertures of said top rail strip, a vertically extending end rail having, at the respective ends thereof, studs entering apertures of the top rail strip and the angle bar and provided with a flange extending longitudinally along an edge thereof, a rod paralleling and spaced from said end rail and provided at the respective ends thereof with studs engaged in apertures of the top rail strip and the angle bar, and a link carried by and extending radially from said rod and releasably engageable with the flange of said vertically extending end rail.

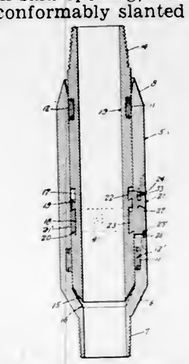
2,277,921
HEAT EXCHANGE UNIT
William E. McCullough and Allen L. Goldsmith, Detroit, Mich., assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application September 11, 1939, Serial No. 294,310
2 Claims. (Cl. 257—150)



1. A heat exchange unit comprising a single legnth of stock having a tube section and homogeneous fins, a fin extending laterally from each side of the tube section, the strip being formed into a coil with adjacent turns spaced apart so as to provide space for air streams, at least one of the lateral fins being deformed into a substantially conical rim extending from the tube section.

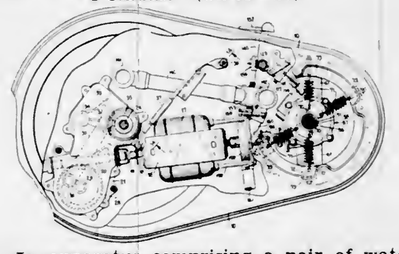
2,277,922
HIGH PRESSURE SLIP COUPLING
Richard F. McMurray, Oklahoma City, Okla.
Application July 29, 1939, Serial No. 287,381
5 Claims. (Cl. 285—168)

1. A high pressure slip coupling comprising an outer barrel, an inner barrel telescoped in said outer barrel for rotary and longitudinal movement relative to said outer barrel, longitudinally spaced packing means sealing the barrels relative to each other, said inner barrel being formed with groove means defining at least one land with the upper surface of said land declining in a radially inward direction, said outer barrel being formed in its side wall between said packing means with a radial opening registrable with said land, the top of said opening being slanted in an opposite direction from the upper surface of the land, a floating locking block shorter than and positioned in said opening, said block having its upper end conformably slanted to and normally



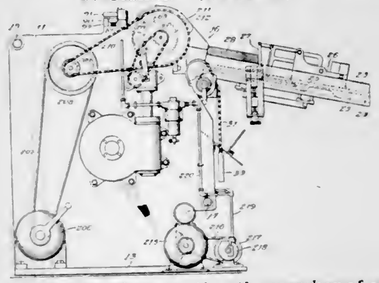
engaging the top of the opening whereby upward movement of said block in said opening forces the block through said opening in a radially inward direction toward said inner barrel, a radially inwardly extending projection on said block, said projection having its under surface beveled conformably with the upper surface of said land, and detent means holding said block in said opening while permitting limited vertical and radial movement of said block in said opening, whereby upward movement of said inner barrel relative to said outer barrel causes said block to thrust in a radially inward direction toward said inner barrel to securely interengage said projection with said land.

2,277,923
COMBINED WASHING MACHINE AND DRIER
Charles E. Morgenstern, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Original application June 22, 1936, Serial No. 86,522. Divided and this application December 27, 1937, Serial No. 181,844. In Canada June 19, 1937
4 Claims. (Cl. 68—26)



1. In apparatus comprising a pair of water-retaining chambers, a motor, a pump driven by said motor, means connecting said pump with each of said chambers, valve means for closing the connection between said pump and said chambers alternately, washing means in one of said chambers and drying means in the other of said chambers, the combination of separate control means for connecting said washing means and said drying means to said motor to be driven thereby, and an interlocking connection between the valve means and drying control means for operating said valve means to open the connection between said pump and the chamber having said drying means and simultaneously closing the connection between said pump and said chamber having said washing means whenever said drying means is connected to said motor to be driven thereby.

2,277,924
SHEET ASSEMBLING APPARATUS
Robert F. Morrison, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application January 15, 1940, Serial No. 313,978
17 Claims. (Cl. 93—1)

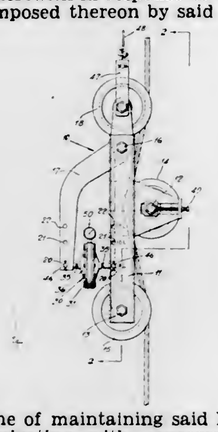


1. Mechanism for counting the number of operations of a machine and for controlling the operation of said machine comprising a reciprocating pawl operable in timed relationship to said machine, a ratchet adapted to be advanced step by step by said pawl, a control member actuated by said ratchet upon advance by said ratchet through a predetermined number of steps, and means associated with said control member to maintain the same in actuated position for a predetermined length of time.

2,277,925
WEIGHT INDICATOR
John W. MacClatchie and John L. Chrisman, Los Angeles, Calif., assignors to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application December 16, 1939, Serial No. 309,628
2 Claims. (Cl. 265—1.6)

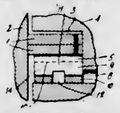
1. Apparatus for measuring the tension in a cable and for providing gauge readings directly proportional to the tension in the cable, comprising a rigid member having a first cable bearing support at one end thereof, a second cable bearing support intermediate the ends thereof, a lever pivoted to the end of said rigid member opposite to said first cable bearing support, one end of said lever extending outwardly from the pivot point beyond the end of said rigid member and the other end of said lever extending from the pivot point alongside said rigid member, a third cable bearing support at the first mentioned end of said lever in such position as to cause a cable passing over all of said cable bearing supports to be deflected and to cause the cable to impose a stress on said third cable bearing support directly proportional to the tension in the cable for any fixed deflection of the cable, a gauge operating device interposed between the

second mentioned end of said lever and said rigid member and capable of operating a gauge associated therewith in response to a wide range of stresses imposed thereon by said lever and at



the same time of maintaining said lever against substantial pivoting with consequent maintenance of the deflection of the cable substantially constant, and a gauge associated with said gauge operating device.

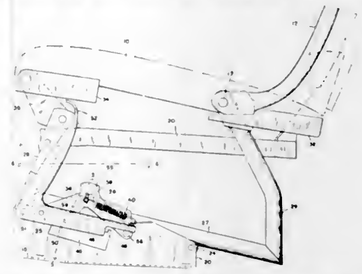
2,277,926
PISTON PACKING
George C. Mayfield, Richmond Heights, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application April 17, 1941, Serial No. 388,965
3 Claims. (Cl. 309—45)



3. In a piston packing for use in the ring groove of a piston and including a pair of thin steel ring members and an expander urging said ring members yieldingly outwardly toward the cylinder wall, a spacer adapted to maintain said members in predetermined axial position in said groove, said spacer comprising a piece of ribbon steel bent flatwise to sinuous shape to form a series of substantially radial flutes, passages formed in the bounding walls of said flutes connecting one flute with another, and the inner peripheral surface of said spacer bearing against said expander.

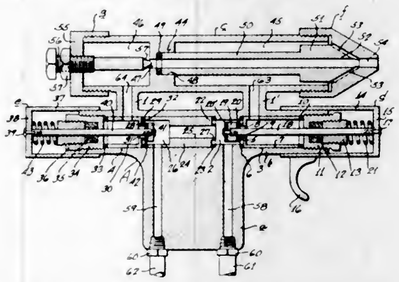
2,277,927
ADJUSTABLE SEAT SUPPORTING MEANS
Thomas A. McGregor, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 5, 1938, Serial No. 238,931
8 Claims. (Cl. 155—14)

1. Means for adjustably supporting a seat or the like, comprising in combination with a base, a seat supporting carriage movable over the base, anti-friction rollers interposed between the base and the carriage, locking means including a dogging element movable with relation to the seat to and from a position in which said carriage is positively blocked against movement, wedging means including a member carried by the base and reacting against the carriage and independently movable to and from a wedging position in which it forces said carriage tightly against said rollers and urges the latter against the base to take up clearance between the parts, spring means normally urging said wedging member to wedging position, and



means interconnecting said dogging element and wedging member to move the latter out of wedging position in response to movement of said dogging element away from blocking position.

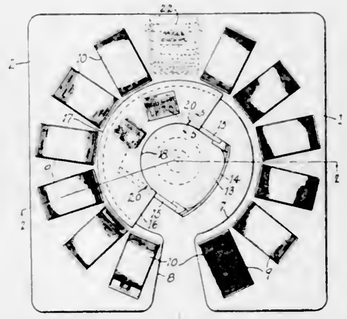
2,277,928
SPRAY GUN
William F. McKee, Belleville, Ill., assignor to Cortner M. Hardy, Henderson, Ky.
Application September 20, 1940, Serial No. 357,529
11 Claims. (Cl. 299—140)



11. A spray-gun including, in combination, a tubular barrel closed at an end and divided by a transverse wall to include front and rear chambers, a conduit lengthwise disposed within the front chamber and spaced from the wall of the barrel, the conduit communicating at one end through the transverse wall with the rear chamber and having a conical head upon its other end provided with a plurality of longitudinally extending radially projecting fins, a nozzle fitted upon the barrel at its opposite end and having an axial discharge orifice aligned with the bore, and substantially abutting the mouth, of the conduit, the nozzle being obliquely contoured upon its inner face for co-operation with said fins in providing a discharge mouth for said front chamber communicating with and surrounding the mouth of the conduit at said orifice, a second barrel conjoined to the first barrel in parallel relation, the second barrel having a first chamber for communication with a source of motive fluid supply, a second chamber for communication with a source of spray-material supply, a third chamber having duct-communication with said front chamber, a fourth chamber having duct communication with said rear chamber, and a communicating channel between said first and second chambers, and valve means shiftable in the first and second chambers for

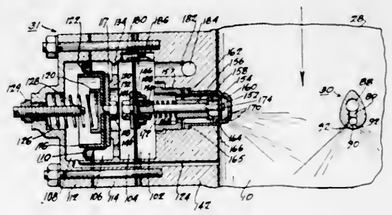
selectively communicating the first chamber with the third chamber and the second chamber with the fourth chamber.

2,277,929
PERPETUAL INVENTORY DEVICE
Henry W. Meyer, Kalamazoo, Mich.
Application October 24, 1938, Serial No. 236,808
6 Claims. (Cl. 45—6)



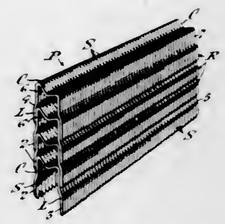
1. Apparatus of the class described comprising a table having a centrally apertured top, card receiving means disposed around the aperture of the top and a chair and desk pivotally mounted for rotation about a vertical axis at the center of the aperture of said top, said desk forming substantially a continuation of said table top.

2,277,930
CARBURETOR
Frank C. Mock and Robert W. Moore, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 11, 1939, Serial No. 272,990
21 Claims. (Cl. 261—34)



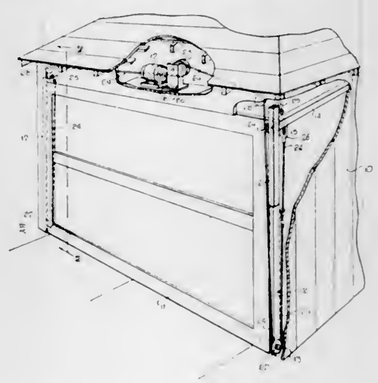
1. In a charge forming device for an internal combustion engine, an induction passage, a throttle controlling the same, and an acceleration pump comprising a pressure chamber connected to said induction passage posterior to the throttle, a fuel chamber separated from the pressure chamber by a diaphragm, a second fuel chamber connected to said first fuel chamber by a passageway and to a source of fuel, a third fuel chamber separated from the second fuel chamber by a diaphragm, a duct connecting said first and third fuel chambers, a conduit connecting said third fuel chamber with the induction passage, and a valve attached to said second diaphragm controlling said conduit.

2,277,931
STAPLE
Herman A. Moe, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application July 3, 1941, Serial No. 400,944
8 Claims. (Cl. 85—49)



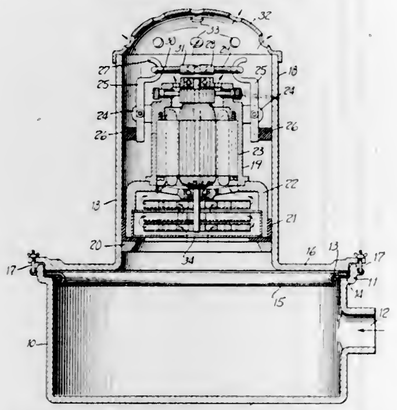
1. A substantially U-shaped staple having a crossbar and depending legs with the lower portions of the legs offset outwardly a distance equal to the thickness of the material of the legs.

2,277,932
DOOR OPERATING MECHANISM
Osmyn Mowers and George R. Hanna, Dallas, Tex.
Application December 5, 1940, Serial No. 368,677
4 Claims. (Cl. 268—59)



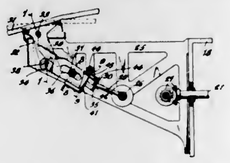
1. In a door mounted in a frame for upward and tilting movement, an operating means therefor comprising vertically disposed guide channels on either side of said door, a pair of analogous guide channels inclined rearwardly from said door and whose forward ends are disposed inwardly and across the upper ends of said vertical guide channels, a cable drum mounted above said door midway between said vertical guide channels, rollers mounted adjacent the upper corners of said door and operable in said inclined guide channels, rollers mounted adjacent the lower corners of said door, pulleys disposed above the upper ends of said vertical guide channels and forwardly of said door, a cable connected midway between its ends to said drum, and threaded over said pulleys and under said last named rollers and anchored above said door whereby the downward lead thereof will lie forwardly of said door and means for rotating said drum to wind said cable thereon.

2,277,933
VACUUM CLEANER
Arthur Müller, Berlin-Johannisthal, Germany, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application April 26, 1939, Serial No. 270,081
In Germany May 2, 1938
8 Claims. (Cl. 248—2)



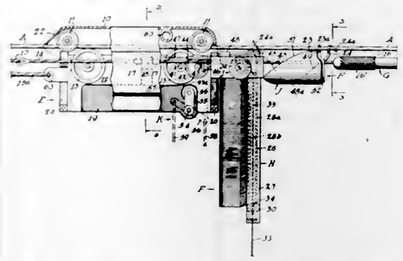
1. In a vacuum cleaner, a hollow casing, a member within said casing, a plurality of arms pivotally mounted on said member between the member and the casing, and means extending between corresponding ends of said arms for moving said ends towards each other to thereby urge the opposite ends into engagement with surfaces formed on the interior of said casing to clamp the member securely in place therein.

2,277,934
SELECTOR MECHANISM FOR AUTOMATIC PHONOGRAPHS
Fred H. Osborne, Snyder, and Charles J. Hull, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application July 22, 1939, Serial No. 286,032
12 Claims. (Cl. 192—139)



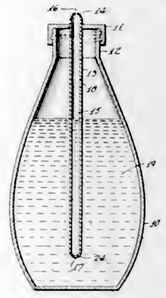
1. A selector mechanism for automatic phonographs comprising a selector shaft movable to one or another of a plurality of selective positions and having elements projecting therefrom in different radial planes and in predetermined spaced relation lengthwise of said shaft, a row of vertically-swinging levers alined with the respective shaft-elements and provided above their pivots with depressible selector keys and below their pivots with coupling arms, and stop pawls alined between said levers and the shaft-elements and each operatively connected at one end to its companion lever arm for actuation thereby to bring its opposite end into the path of the companion shaft-element for arresting the rotation of the shaft in selective positions.

2,277,935
CLAMP APPLYING MACHINE
Ernest E. Perkins, Menlo Park, Calif.
Application May 6, 1940, Serial No. 333,699
28 Claims. (Cl. 175—376)



1. A clamp applying machine comprising a carriage movable along a suspension wire or the like, a vertically-arranged magazine mounted on the carriage for holding a plurality of clamps in stacked relation one above the other, means for moving the clamps toward the suspension wire, means for discharging the clamps one at a time from the magazine at intervals along the suspension wire, and means for applying the freed clamps to the suspension wire as they are released.

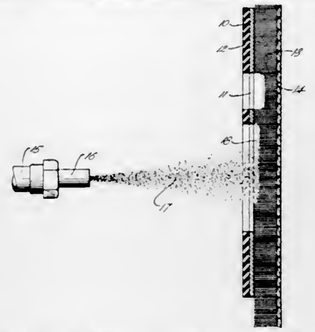
2,277,936
DISPENSER
James S. Rosenblatt, Chicago, Ill., assignor to Origination, Incorporated, Chicago, Ill., a corporation of Illinois
Application November 28, 1940, Serial No. 367,589
5 Claims. (Cl. 221—148)



1. A dispensing device of the character described, comprising a receptacle for fluid to be dispensed, a single tube fitted in operating relationship with and extending through an opening in said receptacle to a point within said receptacle at a substantial distance below said opening, said tube having restricted outer and inner end openings, said tube being of such a length and so proportioned as to permit a predetermined number of drops of the contained fluid to be dispensed upon inverting the receptacle, when said outer end opening is exposed to the air.

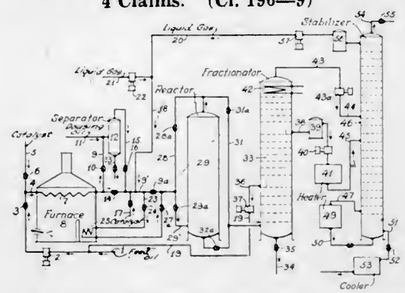
2,277,937
METHOD OF PRODUCING BAS-RELIEF ON PILE FABRICS
George C. Shryer, Los Angeles, Calif.
Application May 9, 1941, Serial No. 392,757
4 Claims. (Cl. 41—39)

1. The method of producing bas-relief pile fabrics which includes applying to the obverse side of a pile fabric a stencil shaped to conform to the desired outline and sand blasting through the



openings in the stencil thus shortening the pile of the fabric exposed by the stencil.

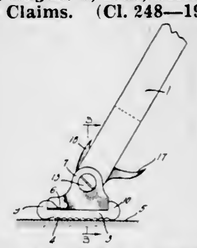
2,277,938
PROCESS FOR REFORMING AND POLYMERIZING HYDROCARBONS
Philip Subkow, West Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 12, 1935, Serial No. 35,702. Divided and this application July 12, 1938, Serial No. 218,777
4 Claims. (Cl. 196—9)



1. A process for the production of reformed and polymer gasoline which comprises heating at a gasoline reforming temperature in a series of coils in a restricted stream and without separation of vapors a slurry of comminuted catalyst and petroleum hydrocarbons having an end point not to exceed 650° F. and containing gasoline fractions and substantially completely reforming said gasoline fractions, separating the reformed gasoline from the heavier fractions to produce a vapor mixture of gasoline and lighter hydrocarbon fractions including the normally gaseous hydrocarbons, subjecting said mixture to a polymerizing reaction apart from substantial quantities of materials having end points above 650° F. by maintaining said mixture at an elevated temperature for a period of time to cause polymerization of said normally gaseous hydrocarbons, and separating the mixture of polymer and reformed gasoline from said mixture.

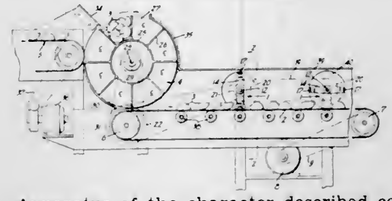
3. A process for producing cracked and polymerized gasoline which comprises passing a stream of vaporized petroleum stock through a cracking zone into a polymerizing chamber and in said polymerizing chamber, polymerizing gaseous hydrocarbons produced by said passage through said cracking zone and passing an oxygen-containing gas with said vapors passing through said cracking zone and polymerizing chamber to remove by reaction therewith diolefines and other gum-forming constituents from said vapors and gases.

2,277,939
LEG REST
Karl W. Thalhammer, Los Angeles, Calif., assignor to Thomas W. Sukumlyn, Los Angeles, Calif.
Application August 7, 1939, Serial No. 288,737
3 Claims. (Cl. 248—193)



1. In a rest adapted to cooperate with the extremity of a supporting leg, means forming a pivotal support, a friction pad pivotally mounted on the support, and a pointed support independently adjustable about the pivotal support.

2,277,940
FRUIT TURNING DEVICE
Frank A. Wool, San Jose, Calif.
Original application April 20, 1938, Serial No. 203,070, now Patent No. 2,232,089, dated February 18, 1941. Divided and this application August 10, 1940, Serial No. 352,087
6 Claims. (Cl. 198—33)

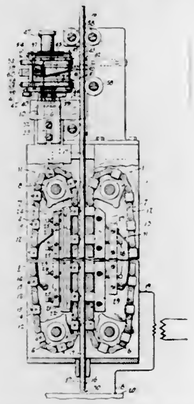


1. Apparatus of the character described comprising conveyor means for supporting fruit halves thereon for movement in a generally horizontally extending path of travel in one direction; means actuating said conveyor means for causing said movement, a fruit turner at a point along said path, said turner including a straight, elongated member extending horizontally across said path, means mounting said member for movement transversely of its length in a vertically disposed circular path the lower portion of which extends into the path of travel of said halves, means for moving said member in said circular path in direction in which the movement thereof in said lower portion is opposite to the direction of movement of said halves, whereby such halves as are carried on said conveyor means with their flat sides facing upwardly will be engaged at their advanced, downwardly facing, convexly curved sides by said member, and will be flipped over by movement of said member upon travel of said member through said lower portion of said circular path, said member being elastic for yieldably sliding over the advanced upwardly facing convex sides of such halves as are carried on said conveyor means with their flat sides facing downwardly thereby permitting such latter halves to pass said member free from obstruction thereby.

2,277,941
MANUFACTURE OF SHOES
Richard Almy, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application June 12, 1941, Serial No. 397,739
33 Claims. (Cl. 12—146)

1. In the method of making shoes, the steps comprising moistening a shoe stiffener blank containing a reactive, water-soluble, aldehyde resin stabilized in incompletely condensed condition with an activating solution, incorporating the blank while in moist condition in a shoe upper, lasting the shoe while the blank is still in moist condition, and hardening the blank by further condensation of the resin.

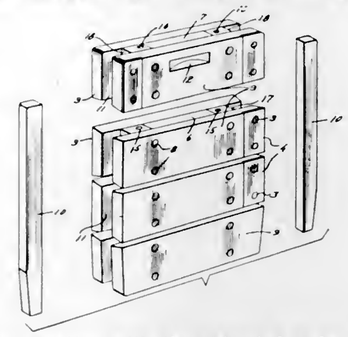
2,277,942
WELDING APPARATUS
Perry Anderson, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 18, 1940, Serial No. 324,571
16 Claims. (Cl. 219—8)



1. In combination, a weldrod feeding apparatus, cutting means moved in synchronism with the weldrod feeding apparatus to pass a cutter transversely across a longitudinally moving weldrod, the path of movement of said cutter being disposed relatively to the path of movement of the weldrod to effect a transverse cutting through of the covering at one side of the weldrod for each cycle of operation of the cutter to provide successive accurately spaced openings in the covering for electrical contact purposes, and means to prevent relative longitudinal movement between the moving weldrod and its point of contact with the cutter.

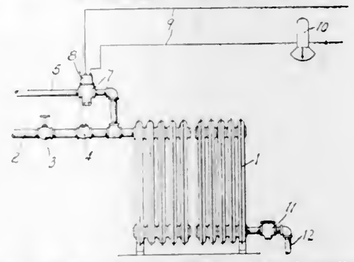
2,277,943
BALING BLOCK
Ira E. Allison, McLoud, Okla.
Application November 7, 1940, Serial No. 364,728
3 Claims. (Cl. 100—24)

1. A division block for balers comprising a body-board composed of two complemental sections each having thereon transverse cleats projecting at their opposite edges laterally beyond the side edges of the body-board sections to provide at opposite side edges of the division block grooves extending for substantially the full length of the division block, and tie-bars of a length corresponding to the full length of the division block having a driving fit in said grooves



and cooperating with the extended ends of said cleats for holding the block sections in aligned relation.

2,277,944
RADIATOR TEMPERATURE CONTROL
Adam E. Armstrong, Three Rivers, Mich., assignor to Armstrong Machine Works, Three Rivers, Mich.
Application August 19, 1940, Serial No. 353,267
13 Claims. (Cl. 236—36)

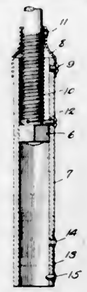


13. In an apparatus of the class described, the combination with a heat exchange element, of a heating fluid supply conduit therefor, an air supply conduit connected to the heating fluid supply conduit and adapted to deliver air to the element, and discharge means connected to said heat exchange element including an air eliminator having means continuously effective during the operation of the apparatus to separate air from the contents of the element and discharge the air at a rate lower than the rate of admission of air thereto.

2,277,945
WRENCH
Adolph E. Ashleman, Waco, Tex.
Application January 17, 1940, Serial No. 314,325
1 Claim. (Cl. 81—124.1)

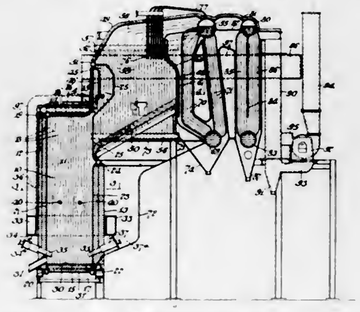
A magazine socket wrench comprising a substantially long tubular body portion providing a nut magazine having rectangular inner surfaces, a wrench handle having a substantially straight end section, a rectangular head secured to the free end of the straight section providing a plunger, said head being fitted within the tubular body portion and adapted to rotate the tubular body portion when the handle is rotated, a cap closing one end of the body portion and through which the straight section of said handle extends, a contractal spring wound around the

straight portion of the handle, one end of the spring being connected to the handle adjacent to the head, the opposite end of the spring being



secured to the cap and adapted to normally draw the plunger towards the closed end of the magazine, and means for preventing accidental displacement of the nuts held in the magazine.

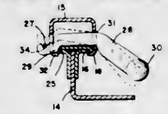
2,277,946
COMBUSTION AND CHEMICAL RECOVERY FURNACE AND METHOD OF OPERATING SAME
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application July 21, 1939, Serial No. 285,678
14 Claims. (Cl. 23—48)



1. The process of recovering heat and chemicals in a multiple chamber furnace from waste liquid containing combustible constituents and chemicals to be recovered which includes providing a bed of dehydrated material containing recoverable chemicals and combustibles in the lower portion of a furnace chamber, supplying waste liquid substantially free from contact of the liquid with the furnace chamber walls to the lower portion of said furnace chamber toward the top of the bed, effecting dehydration of the liquid during said downward travel toward the bed, supplying air to said furnace chamber at the lower part only thereof externally of the bed and directed against the exposed lower part of the bed for burning at the lower part of the bed the combustible constituents of the dehydrated material and for burning above the bed and in the upper part of said furnace chamber the combustible constituents freed from the waste material, advancing the gaseous stream to a second furnace chamber and changing the direction of travel of the gaseous stream in its passage from said other furnace chamber, and supplying air directly to the second furnace chamber for the combustion in said chamber of the unconsumed combustible constituents passing therein.

9. Apparatus for the recovery of heat and chemicals from waste liquids containing combustibles and recoverable chemicals comprising a first furnace chamber having a plurality of enclosing walls, banks of tubes for cooling said walls and for generating steam, means in an opposed pair of side walls for supplying waste liquid to said furnace chamber, means for supplying air to said furnace chamber for combustion of combustible constituents of the waste liquid and recovery of chemicals therefrom, means in said chamber for collecting the chemicals to be recovered, a second furnace chamber offset to one side of the upper portion of said first furnace chamber, said second furnace chamber having a plurality of enclosing walls, banks of tubes for cooling said walls and for generating steam, the walls of said furnace chambers having openings for providing communication between said furnace chambers, and means in a wall of said second furnace chamber for supplying air to said second furnace chamber for completing combustion of combustibles delivered into said second furnace chamber.

2,277,947
ADJUSTABLE SUPPORT AND LOCKING MECHANISM
Ward M. Bailey, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 23, 1940, Serial No. 336,767
4 Claims. (Cl. 155—14)

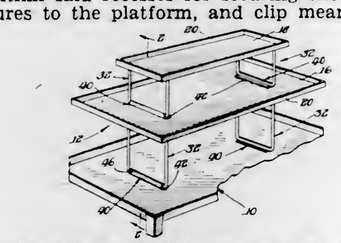


1. In combination with a slidable support of that variety which comprises a track and a carriage in the form of an inverted channel slidable over the track, locking means for holding the carriage against unwanted movement along the track, comprising a detent element extending laterally through said carriage and projecting from both sides thereof, said detent extending through and being vertically movable in slots in the carriage, a handle operatively connected to one projecting end of said detent, and combined biasing and retaining means comprising spring means operatively engaging and interlocked with said detent adjacent a portion of the carriage, but on the opposite side of said carriage portion from that occupied by the part of the detent connected to the handle, said spring means bridging the slot through which said end extends, to prevent removal of the detent.

2,277,948
KNOCKDOWN FURNITURE
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application October 22, 1938, Serial No. 236,495. Divided and this application February 26, 1940, Serial No. 320,755
10 Claims. (Cl. 211—130)

1. In a furniture or display device of the class described comprising a horizontal supporting means, a supporting platform for supporting articles at a predetermined, elevated point disposed above said supporting means, said platform having recesses, means for maintaining

said platform at said predetermined, elevated point comprising a plurality of spaced leg structures, each leg structure comprising upstanding risers having laterally projecting arms adjacent the upper portion, said arms being receivable within said recesses for securing the leg structures to the platform, and clip means on said



horizontal supporting means and engageable with opposite lateral side portions only of said spaced leg structures for maintaining the assembled unit at a fixed, predetermined point and operable to hold said extremities within said recesses, said leg structures being yieldable out of said clip means for permitting dismemberment of the device.

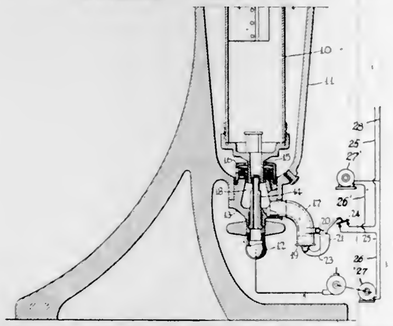
2,277,949

CENTRIFUGAL SEPARATOR

Wilmer Hiestand Bath, West Conshohocken, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application November 19, 1940, Serial No. 366,217

6 Claims. (Cl. 233—21)



1. In a centrifugal separator, the combination comprising, a centrifugal rotor, means for feeding liquid to said rotor during rotation thereof, a frame surrounding the bottom portion of said rotor and provided with a discharge outlet for liquid drained from the rotor, a valve associated with said outlet and controlling discharge of liquid therefrom, means associated with said valve for holding it normally in closed position during discharge of liquid until said liquid reaches a predetermined depth above said valve, and means responsive to accumulation of a predetermined quantity of liquid above said valve for actuating said valve to open position.

2,277,950

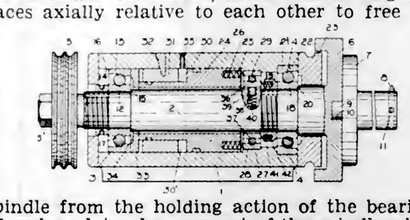
OFFSETTING ARRANGEMENT FOR BORING TOOLS AND THE LIKE

Harold L. Blood and Charles L. Anderson, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Application June 23, 1939, Serial No. 280,761

18 Claims. (Cl. 77—58)

2. In a device of the class described, a housing, a spindle journalled therein, ball bearings for said spindle, at least one of said bearings having an inner and outer race, means for shifting said races axially relative to each other to free the



spindle from the holding action of the bearing, whereby a lateral movement of the spindle within the housing is possible, and means for shifting the spindle laterally within the housing.

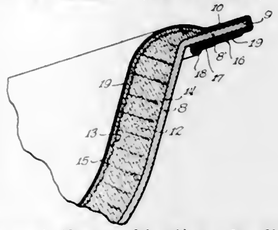
2,277,951

CUSHIONED SEAT AND METHOD OF MAKING THE SAME

Joseph E. Bloomberg, Milwaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin

Application December 30, 1939, Serial No. 311,889

4 Claims. (Cl. 155—184)



4. In a seat, the combination of a dished metal seat body, a fabric wear strip cemented to the outer edge of said body on both sides of said edge, cushioning material for said body, a covering of flexible material extending over said cushioning material and adhesively secured to both sides of said wear strip, and relatively non-stretchable binder means secured to the under side of said covering to hold said covering in place on said seat body even if said wear strip should become loosened from said body.

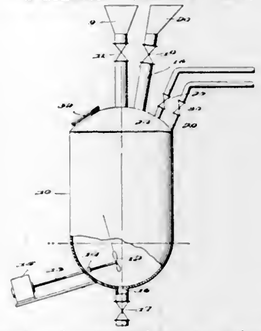
2,277,952

PREPARATION OF MINERAL-COATING COMPOSITION

Frederick H. Frost, Portland, and Killey E. Terry, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

Application January 2, 1940, Serial No. 312,106

3 Claims. (Cl. 106—146)



1. Method of preparing a mineral-coating composition which comprises introducing into a vessel a predetermined quantity of hot water, stirring into the hot water a predetermined quantity of dry casein, adding a predetermined quantity of casein solvent, beating the mixture vigorously beneath its surface until the casein is well dispersed, adding a predetermined quantity of pigment in aqueous suspension to the casein dispersion, beating the resulting mixture vigorously beneath its surface until the mixture is well blended, and removing the resulting mineral-coating composition from the vessel by the aid of gas pressure.

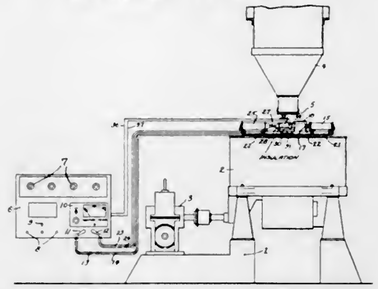
2,277,953

FOUNDRY SAND MOISTURE TESTER

Alfred C. Christensen, Chicago, Ill., assignor to Herbert S. Simpson, Chicago, Ill.

Original application July 10, 1940, Serial No. 344,756. Divided and this application July 10, 1940, Serial No. 344,757

10 Claims. (Cl. 175—183)



1. A material moisture content tester comprising a cell for receiving a sample of material to be tested, members movable inwardly from opposite ends of the cell for trapping and compressing the sample of material, pressure actuated means for governing the operation of said members to hold one of said members in place against the pressure exerted by the other of said members, electrodes supported by the cell in position to be contacted by the sample of material trapped therein, a moisture content indicating meter connected with the electrodes, and control means for the pressure actuated means to first cause trapping of a sample of material in the cell and then causing discharge of the sample from the cell.

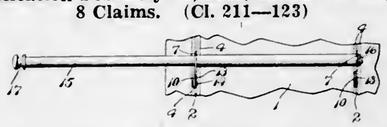
2,277,954

PULL-OUT HANGROD

Earl L. Clouse, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Application February 24, 1941, Serial No. 380,213

8 Claims. (Cl. 211—123)



1. A pull-out hangrod comprising, an elongated sleeve, a rod mounted for slidable longitudinal movement therein, members of flat metal connected one at each end of the sleeve and disposed transversely thereof, each having a laterally offset section terminating in an upwardly extending finger providing an upwardly open hook and also having a downwardly extending arm, and a latch pivotally mounted on each of said downwardly extending arms, said latch having a downwardly open hook positioned in opposition to the first mentioned hook.

2,277,955

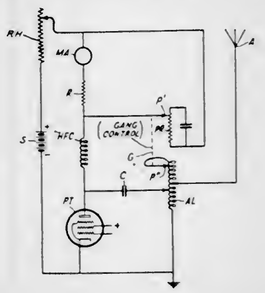
RADIO TRANSMITTER

Christopher Sydney Cockerell, Danbury, and George Percy Parker, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware

Application April 26, 1941, Serial No. 390,484

In Great Britain March 27, 1940

4 Claims. (Cl. 250—17)



1. In a radio transmitter circuit arrangement, a tuning device for the output circuit of a discharge tube in a power output stage, an ammeter and a resistor in said output circuit, a rheostat in shunt with said ammeter and resistor, means for adjusting the anode current in said tube to an optimum value for any desired adjustment of said tuning device, and means providing gang control of said tuning device and said rheostat, said rheostat being operable to produce a substantially fixed ammeter reading for all adjustments of said tuning device.

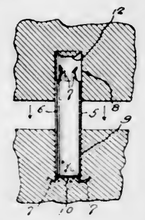
2,277,956

METALLIC DOWEL PIN

Elmore Cooper Coffman, Evansville, Ind.

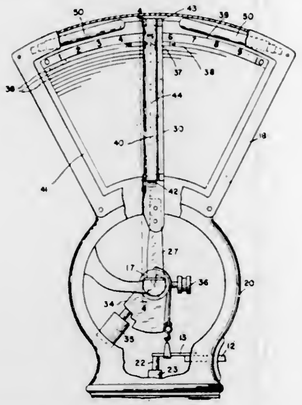
Application December 6, 1940, Serial No. 368,923

7 Claims. (Cl. 85—14)



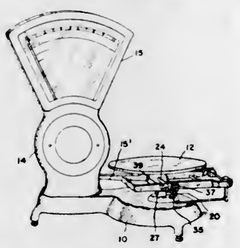
5. A dowel pin having a body portion made from a single piece of sheet metal bent to cylindrical form and having the longitudinal edges thereof free whereby said body portion is transversely expansible, an expander for said body portion consisting of a disk having a restricted integral connection with an end of the body portion and normally occupying an oblique position with respect to said body portion so that when said disk is bent at right angles to the longitudinal axis of the body portion it will cause said body portion to expand, and a plurality of spaced pointed prongs integral with said body portion.

2,277,957
WEIGHING SCALE
Carl L. Conners, Louisville, Ky., assignor to Walter F. Stimpson, Louisville, Ky.
Application October 6, 1938, Serial No. 233,645
1 Claim. (Cl. 88—1)



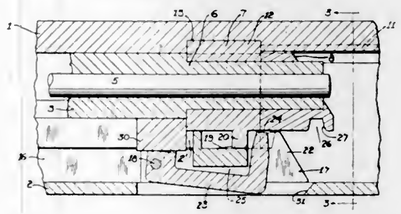
A magnifying indicator construction for a weighing scale of the variety having a fixed chart and illuminating means located at the top and in front of the chart, comprising a hand assembly pivoted to swing in a path over the front of and substantially parallel to the chart, said hand assembly comprising a supporting arm, a lens of approximately partly cylindrical form carried by and extending longitudinally of the arm and having its axis substantially parallel to the hand assembly, holding portions carried by the arm and securing said lens thereto in a position beside and substantially parallel to the arm, both sides of the lens being uncovered, and the upper end of said lens also being open and uncovered, whereby light from said illuminating means may be transmitted through the lens both from above and from in front of the hand.

2,277,958
WEIGHING SCALE
Carl L. Conners, Louisville, Ky., assignor to Walter F. Stimpson, Louisville, Ky.
Application November 29, 1939, Serial No. 306,722
2 Claims. (Cl. 265—27)



1. In a weighing scale, in combination with a support, fixed bearing means carried thereby, a main lever fulcrumed in said bearing means, additional platform supporting bearing means carried by said lever in spaced parallel relation to the first mentioned bearing means, a platform mounted upon said last mentioned bearing means, check means for preventing unwanted tilting of the platform, each of said bearing means comprising a bearing block and a knife-edge pivot resting therein, and supplemental check means comprising a pair of links swingable at their ends substantially coaxially with said bearing means and tying said platform and lever bearing means against lateral movement with respect to each other, each of said bearing means being formed in two spaced coaxial sections, one fixed bearing section being arranged adjacent each platform-supporting bearing section, whereby two pairs of cooperating hearing sections are formed, one of said pairs being arranged near the front and the other near the back of the platform, removable cover means enclosing each of said bearing sections, and supplemental pivot means for said pair of links carried upon the outside of each of the cover means and axially aligned with the pivot axis of the bearing section therewithin.

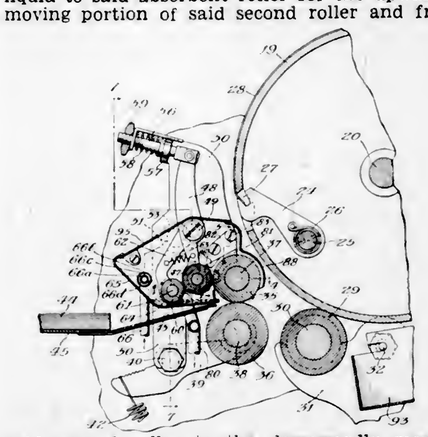
2,277,959
SLIDE OPERATED LOCK FOR THE BREECHBLOCKS OF FIREARMS
Alexander B. Cullon, Detroit, Mich.
Application October 4, 1937, Serial No. 167,220
Renewed June 29, 1939
11 Claims. (Cl. 42—16)



1. In a firearm, a receiver, a breech block splined therein, a locking member having a larger outside diameter than said block, rotatably mounted on and slidable with said block and splined in said receiver, said receiver having an internal recess of increased diameter permitting rotation of said locking member therein, a frame, a slidably mounted actuating member in said frame, a cam tooth and cam groove connection between said locking and actuating members, said cam tooth being of less length than said groove, and an abutment for limiting the forward movement of said breech block and of said locking member in said recess, whereby continued forward movement of said actuating member turns said locking member in said recess out of splined engagement with said receiver.

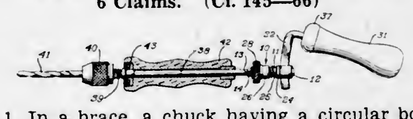
2,277,960
MOISTENING MECHANISM
William E. Denison, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application November 24, 1939, Serial No. 305,900
12 Claims. (Cl. 91—50)

1. In a mechanism for applying a film of moisture to a copy sheet or the like, the combination of a roller, means for rotating said roller, means adapted in cooperation with said roller to carry a sheet forward in contact with the roller, a second roller rotatably mounted in engagement with said first-named roller, an absorbent roller rotatably mounted in engagement with said second roller, and means for applying liquid to said absorbent roller for the upwardly moving portion of said second roller and from



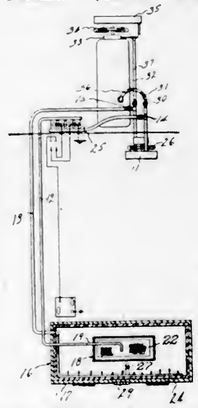
said second roller to the downwardly moving portion of said first-named roller.

2,277,961
BRACE
Fred E. Detmers, Los Angeles, Calif.
Application April 15, 1939, Serial No. 267,997
6 Claims. (Cl. 145—66)



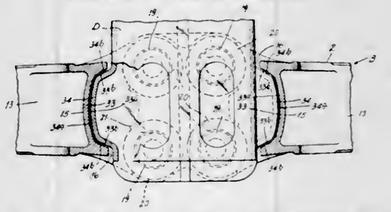
1. In a brace, a chuck having a circular bore communicating with a slot through opposite sides of one end of the chuck, a rotary tool extending into the bore of the chuck and engaged by the latter, a cross arm extending through said last-named slot, a handle connected to one end of said cross arm, a nut threaded on said chuck, and means actuated by said nut to secure said cross arm at a selected position in said slot.

2,277,962
VEHICLE AIR CONDITIONER
Paul E. Diederich, Detroit, Mich.
Application November 8, 1938, Serial No. 239,536
2 Claims. (Cl. 62—146)



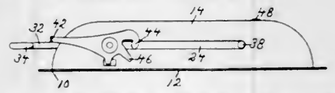
1. In an air conditioner for a vehicle through which is circulated a pre-cooled pumped cooling medium, an insulated liquid storage tank with a cover therefor, a supporting baffle therein upon which ice is placed above the stored liquid medium in the bottom of said tank, an easily cleanable intake filtering box through which the cooling medium is drawn and filtered for circulation, consisting of a removable base portion, within which is framed a coarse screen above the bottom of and providing for communication between the interior of the box and the interior of said tank, and independently framed fine screen removably disposed in said box, and a cover cooperating with said base portion, said box having an outlet opening for connection with a supply conduit, and a tube longitudinally disposed within the top portion of said tank, perforated throughout and closed on one end with the other end open for communication with a return conduit,

2,277,963
CAR TRUCK
Harry C. Dreibuss, deceased, late of St. Louis, Mo., by Frances Dreibuss administratrix, St. Louis, Mo., and Fred H. Spenner, St. Louis, Mo., assignors to Scullin Steel Co., St. Louis, Mo., a corporation of Missouri
Application March 31, 1941, Serial No. 386,100
2 Claims. (Cl. 105—197.2)



1. A car truck comprising side frames having bolster receiving openings therein and column guides defining the sides of said openings, and a bolster extending into said openings, the bolster opposing side of each of said column guides having a vertical channel formed therein with a continuous transversely concave bottom surface terminating near the ends of the bolster opening in plane side surfaces that diverge towards the bolster and make relatively wide obtuse angles with said concave bottom surface, and each of the column opposing sides of said bolster having an outstanding vertical rib thereon that seats in an adjacent channel and has a continuous transversely convex surface cooperating with the concave bottom surface thereof, and plane side surfaces that converge towards said convex surface and conform to and cooperate with said plane side surfaces of said channel, the convex surfaces on both sides of said bolster and the concave surfaces of both of said column guides being all curved about a common center.

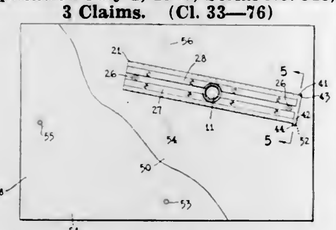
2,277,964
MARBLE SHOOTER
Russell Eckenboy, Hammond, Ind.
Application September 16, 1938, Serial No. 230,220
3 Claims. (Cl. 124—26)



1. A marble shooter comprising a hollow member having a relatively flat bottom, a pair of

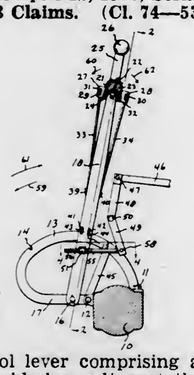
angular missile guides in spaced parallel relation rigidly secured to the upper surface of said flat bottom guide slots on opposed sides of said member, a spring actuated plunger operably positioned within said member, manual means for compressing the spring of said spring actuated plunger, and trigger means at the side of said member for releasing said spring.

2,277,965
ALIDADE
John Edwin, Houston, Tex.
Application July 1, 1940, Serial No. 343,320
3 Claims. (Cl. 33—76)



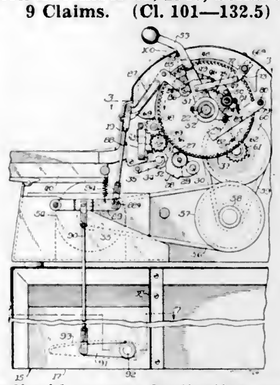
1. In combination with a drawing board, an alidade including a blade adapted to rest upon the board and provided with a part having a pencil guiding edge, said blade having a cylindrical hole therein extending transversely to the plane of the drawing board and being open on the underside of the blade, a bushing mounted in said drawing board and having a threaded hole therein, a threaded plug screwed into the hole of said bushing, a stub shaft on said plug extending upwardly beyond the surface of the drawing board and received within said hole, said hole forming a bearing cooperating with said stub shaft for rotatably guiding said blade for movement about the board.

2,277,966
CONTROL LEVER FOR FARM IMPLEMENTS
Nicholas W. Franzkowiak, Schaller, Iowa
Application April 12, 1940, Serial No. 329,351
3 Claims. (Cl. 74—536)



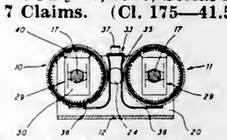
1. A control lever comprising a pivoted lever member, a guide bar adjacent thereto having a pair of spaced limiting notches, means attachable to said pivoted lever member to engage either of said notches upon forward or rearward movement of said lever member, including an upper rockable portion pivoted to said lever member, means attached between said rockable portion and said notches for retaining said lever member in locked position when adjacent to either of said notches, including a pair of ears attached to said rockable portion having slots therein, a pair of rods having ends engaged in said slots, said lever member having slots positioned adjacently to said guide bar and adapted to register with said notches, the lower end of said rods engaged within said latter slots.

2,277,967
DUPLICATING MACHINE
James L. Gibson, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application December 23, 1940, Serial No. 371,322
9 Claims. (Cl. 101—132.5)



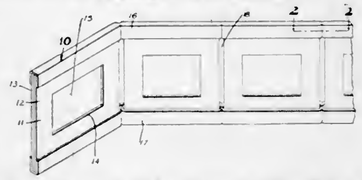
1. In a liquid process duplicating machine, the combination of a drum, gripper means for removably mounting one or more master sheets on said drum, yielding means normally holding said gripper means closed, means comprising a control lever adapted by a stroke to operative position in one direction from the position in which it stands during normal duplicating operation of the machine to cause said gripper means to open at a predetermined position of said drum, and means comprising a lever adjacent to said control lever adapted normally to stand out of engagement with said control lever but adapted by engagement with the control lever in said operative position to give it a reverse movement for causing said gripper means to close.

2,277,968
ELECTRICAL CONDENSER
Frank W. Godsey, Jr., North Adams, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application July 16, 1940, Serial No. 345,831
7 Claims. (Cl. 175—41.5)



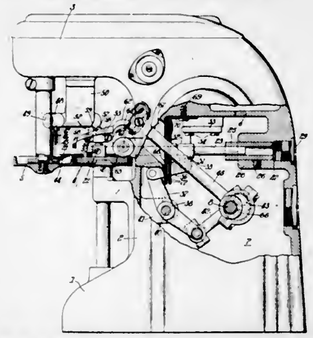
6. An adjustable condenser assembly comprising a mounting base and two condenser units on said base, each of said units comprising two concentric electrodes and a dielectric layer interposed between the electrodes, the inner electrode of each condenser secured to said base, a member securing together the outer electrodes of the condensers, said member being transversely flexible and permitting transverse movement of the outer electrodes relative to each other and being laterally rigid and precluding lateral movement of the outer electrodes relative to each other.

2,277,969
LANTERN SLIDE FOLDER
Joseph E. Grant, Beverly Hills, Calif.
Application March 14, 1941, Serial No. 383,269
4 Claims. (Cl. 88—26)



1. In a lantern slide folder, a plurality of rectangular lantern slide holders, each holder comprising a pair of panels, the panels of each pair having aligned apertures, means to hold the panels of each pair together, said holders being aligned and spaced apart and a single binding strip extending along each of the opposed sides of the holders, said binding strips each engaging the adjacent edges of the holders and extending along the front and back of the holders, said binding strips also extending inwardly between the holders and having their opposed faces in engagement between the holders to provide a hinge.

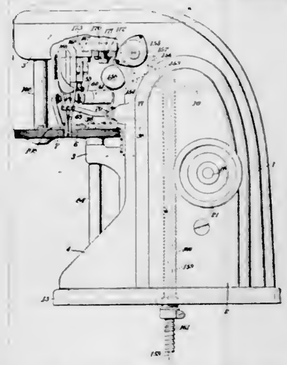
2,277,970
SEWING MACHINE
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 22, 1939, Serial No. 296,031
29 Claims. (Cl. 112—16)



1. A sewing machine having, in combination, a frame, a main-shaft journaled in said frame, feeding mechanism, stitch-forming devices including a threaded needle and a complemental looper adapted to seize thread-loops presented by said needle, a needle-carrier operating through a wall of said frame, means within said frame for operatively connecting said needle-carrier to said main-shaft, and means externally of said frame for connecting said looper to said needle-carrier for actuating said looper in timed relation with said needle.

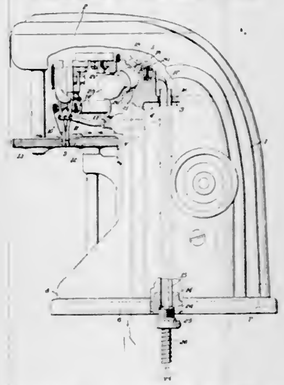
2,277,971
SEWING MACHINE
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 2, 1939, Serial No. 293,155
28 Claims. (Cl. 112—16)

1. A sewing machine having, in combination, a frame formed with a closed lubrication compartment, feed-cups located exteriorly of and supported by said frame for sustaining and feeding fabric sections in a vertical plane, stitch-forming devices including two oscillatable elements at least one of which carries a thread, an actuating shaft extending through said closed lubrication compartment, supporting rock-shafts for said oscillatable elements extending through



one of the walls of said closed lubrication compartment and having an oil-tight connection therewith, the axes of said rock-shafts being disposed in a substantially horizontal plane and arranged angularly to each other, and means within said closed lubrication compartment for connecting said rock-shafts to said actuating shaft for moving said oscillatable elements so that their extremities operate in single planes only.

2,277,972
LIGHTING DEVICE
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application September 2, 1939, Serial No. 293,155. Divided and this application December 6, 1939, Serial No. 307,725
9 Claims. (Cl. 112—218)



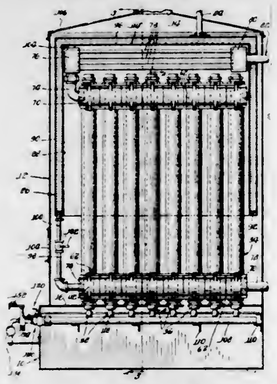
1. In a sewing machine, a frame including a standard terminating in a laterally projecting overhanging bracket, feed-cups exteriorly of said frame and disposed beneath said overhanging bracket for supporting and feeding fabric sections, stitch-forming instrumentalities including a needle and at least one complemental element located above said feed-cups for forming stitches

in said fabric sections, an endwise reciprocatory needle-bar carrying said needle, a cavity in said frame at the junction of the overhanging bracket and the standard above the level of the stitch-forming instrumentalities, a lamp-socket fixed in said cavity, and an incandescent lamp secured in said socket and disposed substantially vertically above said needle-bar for illuminating a substantial area in the vicinity of the stitching point.

2,277,973
PROCESS OF PRODUCING ELECTRODE PASTES
Anna P. Hauel, Lancaster, N. Y.
No Drawing. Application September 16, 1940, Serial No. 356,979
5 Claims. (Cl. 136—27)

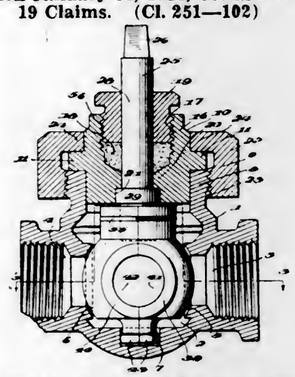
1. In a process of producing pastes for electrodes of lead acid storage batteries which comprises treating a mixture containing at least one substance selected from the group consisting of lead oxides and lead powder, with water, the step of adding to said mixture a small amount of pyrogallol, keeping the paste plastic and soft.

2,277,974
HEATING DEVICE
Collin H. Heagle, St. Louis, Mo., assignor to Ernest J. Svenson, Rockford, Ill.
Application August 12, 1939, Serial No. 289,796
1 Claim. (Cl. 122—174)



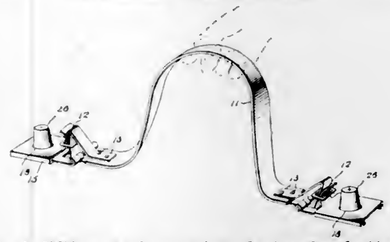
In a heat transfer unit of the class described for transferring heat of combustion to a boiler fluid, a plurality of vertically extending flues for the passage of heating fluid, upstanding tubular jacket means about each of said flues for accommodating boiler fluid, means for passing a flow of heating fluid upwardly in said flues in heat exchange relation to the jackets, means for passing a primary flow of boiler fluid upwardly in said jackets, a plurality of conduit means extending horizontally over the upper ends of said flues in the path of the heating fluid leaving the upper ends of said flues, means conducting the heated primary flow of boiler fluid from said jackets to said conduit means, jacketed hood means extending horizontally over the outlet extremities of said flue means and over said conduit means, said jacketed hood means also including a vertically extending jacketed skirt portion extending downwardly about said plurality of jacketed flues and directing heating fluid from the outlets of said flues downwardly about the exteriors of said jacketed flues, means for directing said heating fluid from the lower portion of the exteriors of said jacketed flues upwardly about the exterior of said jacketed hood means and thence to a discharge flue, means for passing a secondary flow of boiler fluid upwardly in the vertical portion of said jacketed hood and across the horizontal portion thereof at a relatively slow rate of flow as compared with said primary flow, and means for joining said flows after heating.

2,277,975
VALVE
Alfred G. Heggem, Tulsa, Okla.
Application January 31, 1941, Serial No. 376,881
19 Claims. (Cl. 251—102)



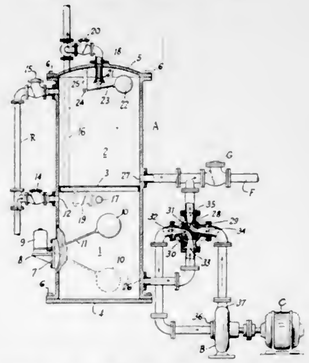
1. A valve including a valve body having an inlet and an outlet opening and a valve chamber communicating with said openings; valve seats surrounding said openings; a rotatable, sectional valve core disposed within said chamber and journalled at its lower end in said valve body, said valve core being split in a plane passing through its axis of rotation; a valve stem extending into said chamber and cooperating with the upper end of said valve core; and means actuated solely by the rotation of said valve stem for sequentially rotating said valve core and separating the upper ends of said sections to tilt said sections angularly with respect to the axis of rotation of said valve core into sealing engagement with said seats.

2,277,976
BATTERY LIFTING AND CARRYING DEVICE
Leslie C. Helmenstine, Madison, Wis.
Application May 22, 1940, Serial No. 336,599
6 Claims. (Cl. 294—103)



1. A lifting and carrying device for batteries comprising an adjustable flexible handle strap, a pair of terminal gripping members connected thereto, each of said terminal gripping members comprising a bottom plate member and a top plate member each having openings at their outer extremities of sufficient size to loosely embrace a storage battery terminal, said bottom plate member having looped extensions at its opposite rear corners which serve as opposed hinge elements, said top plate member having a looped projection at its rear extremity and channels at its outer edges to serve as guides for said bottom plate member which fits within said channels, an actuating member of substantially triangular shape having a contact surface on its forward side and lugs on each side of said base portion, said lugs having openings therein, a pin connecting said actuating member and said bottom plate member by means of the looped extensions on the bottom plate member and the lugs on said actuating member, said connecting pin being so arranged that lifting the handle strap causes the actuating member to revolve around said pin and move forward the top plate member, and a link member connecting the actuating member to the looped projection on the rear extremity of the top plate member.

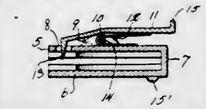
2,277,977
HEAT TRANSFER SYSTEM
Louis H. Hesse, Roselle Park, N. J.
Application January 27, 1940, Serial No. 315,943
4 Claims. (Cl. 103—6)



1. In apparatus of the character described, a receiver having superimposed separate chambers, a condensate entrance to each chamber with a non-return valve in each entrance, an atmospheric non-return vent valve for each chamber, one of which is provided with a fluid level actuated seal for the upper chamber, a motor driven condensate pump, a connection to each chamber, a four way valve, connections between the pump suction and discharge and said valve, and between said valve and each of the connections to said chambers, whereby condensate may be selectively pumped from one to the other of said chambers, and a non-return discharge outlet receiving the direct discharge of the pump when the pressure in the chamber with the level actuated seal is above the pressure in the direct discharge, and means for selectively positioning the four way valve.

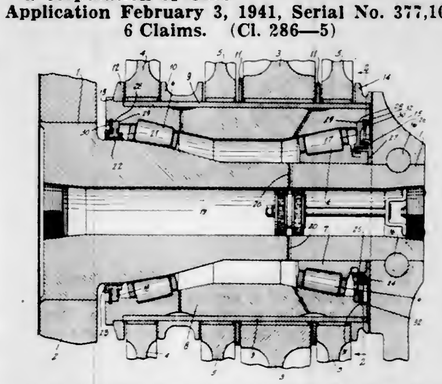
2,277,978
SLIDE FASTENER
William Hoflich, Albany, Oreg.
Application September 14, 1940, Serial No. 356,841
4 Claims. (Cl. 24—205.5)

1. In a slide fastener of the character employing two rows of interconnected members and a slide body facilitating the interconnection and release of such members, a slide body including a pair of spaced plates joined together to facilitate the slipping of the interconnected members therebetween, a latching plate disposed in spaced substantially parallel relation with one of the slide plates for movement of an end from said parallel relation toward and from the adjacent slide plate and having a prong adapted for connection between a pair of the interconnected



members, means coupling the latching plate with said adjacent slide plate by which said movement is facilitated, and means resiliently resisting movement of the latter plate toward the adjacent slide plate and maintaining said prong connected between interconnected members whereby to require the compression of the said end of the latching plate toward the slide plate to effect the movement of said prong from the interconnected members to release the prong therefrom.

2,277,979
BEARING SEAL
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 3, 1941, Serial No. 377,104
6 Claims. (Cl. 286—5)

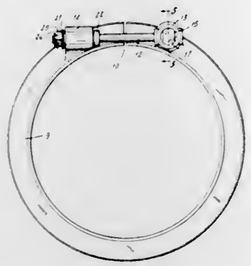


1. In a roller bearing, a member having a bore with an internal annular groove therein, and an expansible locking ring mounted in said groove and having a portion of its outer periphery disposed entirely outside of said groove before and after said ring is expanded, said portion having a bend formed therein before mounting adapted when straightened to increase the diameter of said ring and thus expand the same in said groove.

2,277,980
LOCOMOTIVE ROD BEARING
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application April 19, 1941, Serial No. 389,315
8 Claims. (Cl. 308—161)

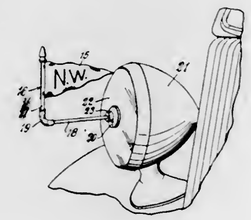
1. A locking ring having a split therein and means for mechanically expanding and contracting said ring comprising a nut attached to said ring on one side of said split for rotary but substantially non-axial sliding movement, and a

screw extending across said split with one end anchored to said ring on the other side of said



split and with its other end threaded through said nut.

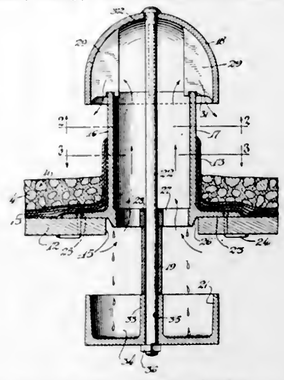
2,277,981
VEHICLE LAMP DISPLAY DEVICE
William M. Horton, Chicago, Ill.
Application January 28, 1941, Serial No. 376,367
6 Claims. (Cl. 40—131)



1. The combination with a vehicle lamp having a cover glass, of a device comprising a flexible display article, a support for said flexible display article disposed in a single plane which is normal to said cover glass, said support having a vertical part spaced from said cover glass to which vertical part said flexible display article is secured, and means for attaching said support to the vehicle lamp cover glass whereby light rays emanating from the vehicle lamp and passing through said cover glass may impinge upon said flexible display article to illuminate opposite sides of said flexible display article during wavy motion thereof when the vehicle is moving forward.

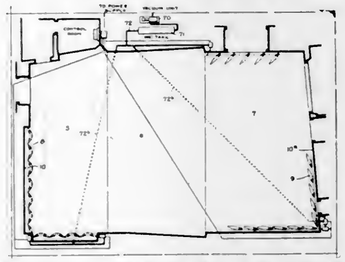
2,277,982
ROOF VENT
Louis H. Hosbein, Glencoe, Ill., assignor to Detrick Insulation Engineers, Inc., Chicago, Ill., a corporation of Illinois
Application October 28, 1940, Serial No. 363,126
3 Claims. (Cl. 98—42)

1. A roof vent, comprising a hollow, open-ended body, a cover separate from the body for protecting the upper end of said body while permitting the discharge of air therefrom, means disposed below the lower end of said body for collecting any moisture passing downwardly through said body, and means extending through said cover, body, and moisture-collecting means



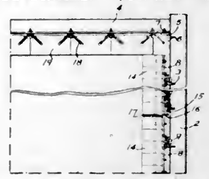
for maintaining the cover, body and moisture collecting means in spaced relation.

2,277,983
ACOUSTICAL APPARATUS
Clarence R. Jacobs, Scarsdale, N. Y.
Application September 24, 1940, Serial No. 358,179
9 Claims. (Cl. 181—30)



1. Acoustical apparatus for radio broadcasting studios and analogous sound chambers, comprising a plurality of vanes, means movably mounting said vanes permitting them to be adjusted to open and closed and intermediate positions, a pneumatic motor located within operative adjacency to said vanes, means operatively connecting said motor to said vanes, and means for selectively controlling the operation of said motor to move said vanes to different positions of adjustment.

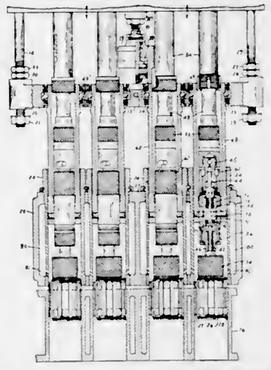
2,277,984
FURNACE CONSTRUCTION
Seymour M. Jenkins, Forest Hills, N. Y., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 26, 1939, Serial No. 296,565
14 Claims. (Cl. 110—1)



1. A furnace wall construction including, in combination, a supporting structure, hangers car-

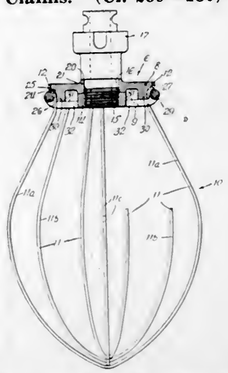
ried thereby, a sectional refractory wall carried by said hangers, and means securing said wall against vertical displacement therefrom, each of said hangers including longitudinally extending bars spaced in separate planes, bars in one plane being adapted to carry refractories forming said wall, and braces extending laterally of said bars serving to unite and support the bars as a single integral unit.

2,277,985
HYDRAULICALLY ACTUATED HONE
Frank J. Jeschke, Detroit, Mich., assignor, by mesne assignments, to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application September 4, 1937, Serial No. 162,566
19 Claims. (Cl. 51—34)



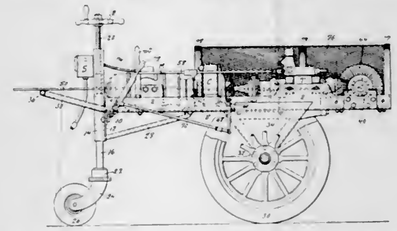
1. In a honing machine, a plurality of honing tools having abrasive stones movably mounted thereon, a reciprocable support for said tools, a thrust plate mounted on said support and capable of movement relative thereto, means on said support for moving said thrust plate relative thereto for expanding and retracting said stones.

2,277,986
WHIP
Edward J. Karp, Cicero, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a corporation of Illinois
Application November 28, 1940, Serial No. 367,520
5 Claims. (Cl. 259—130)



1. In a device of the class described, an inner locking ring, a plurality of wire loops bent at their end portions to provide curved terminal elements and straight elements extending downward from said terminal elements, said ring being provided in its outer circumferential surface with a plurality of grooves extending generally in the direction of its axis shaped lengthwise conformably to and receiving said curved and straight sections of said bent end portions of said loops, a spider comprising an outer holding ring engaging beneath said curved terminal elements of said loops, means for moving said spider and said locking ring toward each other and securing them together, and means for spacing said holding ring a predetermined distance from said locking ring, said curved end portions of said loops being confined between said holding ring and said locking ring against relative endwise movement and said straight elements of said loops being free from said spider and said locking ring for twisting about their axes.

2,277,987
OPERATING MACHINE FOR DUMPING DOORS
Theodore C. Kaseberg, Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 20, 1939, Serial No. 280,041
1 Claim. (Cl. 81—57)



In a dumping door operating machine adapted to run alongside of railway dump cars having dumping doors controlled by a winding shaft, the combination of a main frame, wheels and axles supporting said frame for movement alongside of and substantially parallel to the car sides, a shaft laterally slidable upon said frame into and out of engagement with the winding shafts of the cars, power driven means carried on the frame and adapted to rotate said shaft and including reversing mechanism whereby said shaft and the car winding shafts may be rotated in either direction to raise or lower the car doors, said main frame and the equipment carried thereby being substantially balanced on two of the wheels and axles with the unbalanced weight being supported on a vertically adjustable third wheel and axle, handles fastened to the frame remote from said shaft whereby the machine may be easily moved and the shaft height quickly changed, and means carried by said shaft and extending to adjacent said handles for shifting said shaft laterally of the machine into engagement with the car carried shafts.

2,277,988
INSULATION ELEMENT
Kenneth C. Kerrihard, Evanston, Ill., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application June 16, 1939, Serial No. 279,423
4 Claims. (Cl. 154—44)

1. A tubular bat which comprises a plurality of superposed sheets of thin, creped, cellulosic

tissue, the creping in said sheets extending longitudinally of said bat, said superposed sheets being compressed and joined together along a pair of opposite edges to form a tubular struc-



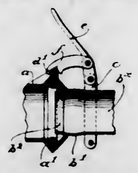
ture, whereby the bat may be extended widthwise to provide a lower density, flat-sided, tubular bat of size and shape corresponding substantially to that of a cavity within which the extended bat is to be received.

2,277,989
METHOD AND APPARATUS FOR DRILLING WELLS
Leland P. Kinnear, Beaumont, Tex.
Application December 12, 1933, Serial No. 701,951
15 Claims. (Cl. 255—72)



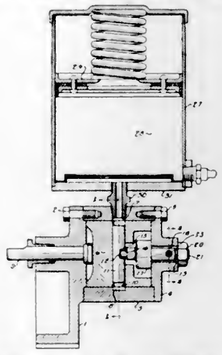
1. In a drilling instrument a jointed drill stem pipe having constrictions therein at said joints, sealing rings at said constrictions, an inner tube slidable longitudinally of said drill stem and through said sealing rings and constrictions the full length of said drill stem, the said inner tube being longer than the distance between said constrictions whereby fluid may act on said tube to move the same longitudinally of said drill stem.

2,277,990
PIPE COUPLING
Karl Ludwig Lanninger, Frankfort-on-the-Main-Rodelheim, Germany
Application December 6, 1940, Serial No. 368,914
In Germany April 11, 1940
5 Claims. (Cl. 285—172)



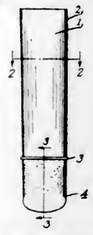
1. A quickly connectible and disconnectible pipe coupling for connecting pipe sections in universal angular relation including a female member, a keeper element rigidly carried by said female member, said keeper element being offset from an outer edge of the female member and being curved relative to the longitudinal axis thereof, a male member, and connecting means carried by and offset from said male member and cooperating with said curved keeper element, said means comprising a lever pivotally supported in offset relation to the outer side of the male member, a toggle link pivoted at one end to the lever eccentrically to the point of pivotal support of the lever, and hook means at the free end of said toggle link for engaging the curved abutment element in all angular positions of said male and female members.

2,277,991
PUMP
John T. Leonard, Bryan, Ohio
Application September 26, 1939, Serial No. 296,632
4 Claims. (Cl. 103—160)



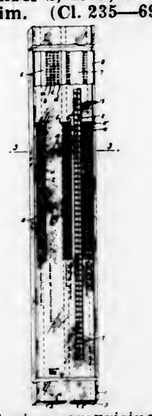
1. In a device of the character described, a housing, a rotor rotatable therein, a piston reciprocable diametrically of said rotor, shuttle means for reciprocating said piston, said housing having an opening therein, said shuttle means freely projecting through said opening and having an opening therethrough, a screw threadingly engaging said housing, projecting through said last named opening and having a shoulder for engaging one end of said last-named opening, and a collar carried by said screw for engaging the other end of said last-named opening.

2,277,992
CRAYON
John H. Oxley, Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio
Application May 29, 1940, Serial No. 337,821
8 Claims. (Cl. 120—83)



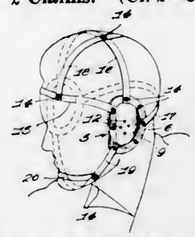
1. A crayon having a substantial portion of its exterior surface coated with a thick rollable coating of rubber containing an adhesive, the writing tip of said crayon being exposed.

2,277,993
AVERAGING DEVICE
John J. Preston, San Francisco, Calif.
Application December 2, 1941, Serial No. 421,308
1 Claim. (Cl. 235—69)



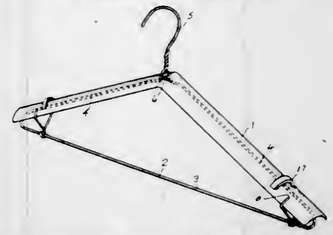
An averaging device comprising a board having a series of stationary consecutive numbers separated one from another by a uniform distance, and arranged in vertical order thereon, one of the numbers being a base number, a strip slidably mounted on the board, having a plurality of vertically arranged openings for receiving a manipulating implement, the said openings being separated one from another by spaces equivalent to the distances by which the stationary numbers are separated, a plurality of vertical columns of consecutive numbers on the slidable strips and having the same range as the stationary numbers, each column having each of the consecutive numbers repeated a certain number of times, the said numbers of each column being separated one from its adjacent number by an intervening distance equivalent to the distances separating the stationary numbers one from another, a panel mounted on the board having a series of slots and apertures, one of the slots being arranged to uncover the vertical column of stationary numbers and the vertical row of openings and certain of the apertures being arranged at predetermined points with respect to the base number so as to uncover a number in each of the vertical columns of numbers, and means on the board adjacent the stationary base number for engaging the manipulating implement when it reaches a point opposite the said base number.

2,277,994
ATHLETIC HEADGEAR
Raymond V. Roberts, Ann Arbor, Mich.
Application December 9, 1940, Serial No. 369,335
2 Claims. (Cl. 2—3)



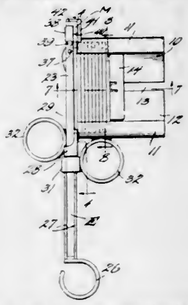
1. An ear guard for athletic head gear comprising a stiff body portion including a concavo-convex main part and a marginal flange attached to the main part, said marginal flange lying in a single plane, a rubber member, of U-shape in section enclosing the marginal flange of the body portion by overlying the edge and the inner and outer faces thereof, and rivet means for attaching the rubber member to said marginal flange by passing through the flange and that portion only of the rubber member which overlies the outer face of the flange.

2,277,995
GARMENT HANGER
John A. Schmitt, Waukesha, Wis.
Application July 28, 1938, Serial No. 221,806
18 Claims. (Cl. 223—88)



1. The combination with a wire garment hanger of low triangular shape and a guard strip supported thereon, of an attachment member bridged across the guard member including a medial portion thereof projected through the guard strip into engagement with the upper member of the hanger and the end portions thereof extended downwardly and inwardly in opposite inclined relation from the margins of the guard strip to the lower member of the hanger and engaged therewith.

2,277,996
SPREADER AND DISPENSER OF BOBBY PINS
Ralph P. Sharp, Sr., Carville, La.
Application September 10, 1941, Serial No. 410,350
6 Claims. (Cl. 132—1)

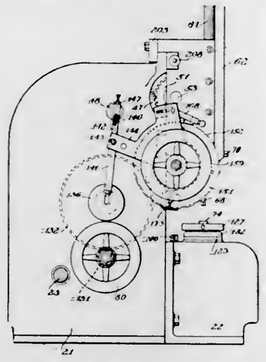


1. A bobby pin feeder comprising a magazine, means for feeding pins therefrom, means for ejecting a spread pin, and finger grip rings associated with the magazine and the ejecting means, whereby the feeder can be actuated by one hand of the operator.

2,277,997
MACHINE FOR MAKING POLYGONAL OPENINGS
Frederick G. Silva, Rochester, N. Y., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York
Application August 8, 1938, Serial No. 223,575
24 Claims. (Cl. 90—49)

1. In a machine of the character described, a

tool, means for reciprocating the tool and the work relative to each other to perform cutting operations, means for indexing the tool and the work relative to each other, and means for intermittently feeding the tool and the work relative to each other at the termination of a series of



cutting operations performed on different parts of the work, said feeding means comprising a toothed member, a pawl engaging said toothed member, an eccentric member driven by the machine, and a lost motion connection between said eccentric member and said pawl for intermittently actuating said pawl.

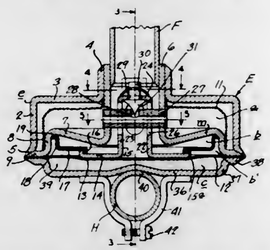
2,277,998

CONTROL VALVE

Parke H. Thompson, Millville, N. J., assignor of thirty-five per cent to Russell Maguire, New York, N. Y.

Application May 8, 1939, Serial No. 272,372

13 Claims. (Cl. 236—92)



1. In a control valve, an inverted cup-like shell, a division wall mounted in and extending across the shell in spaced relation to the bottom wall thereof and having a tubular neck projecting through and sealed in the bottom wall of the shell for dividing the shell into an inlet chamber, an outlet chamber, and an auxiliary chamber, a diaphragm sealed in closure-forming position across the auxiliary chamber, a cap-like end member marginally secured, and extending in outwardly spaced relation, to the diaphragm in the formation of a sealed chamber, the latter being charged with a thermally responsive material, a duct having an aperture providing communication between said inlet and outlet chambers, means including a movable pin co-operable with said aperture for controlling communication between said inlet and outlet chambers, and actuating means movably responsive to expansion and contraction of the thermally responsive material for actuating the pin.

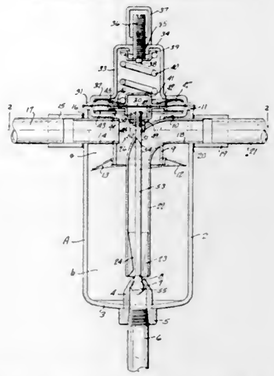
2,277,999

RECIRCULATING CONTROL VALVE

Parke H. Thompson, Millville, N. J., assignor of thirty-five per cent to Russell Maguire, New York, N. Y.

Application May 8, 1939, Serial No. 272,373

10 Claims. (Cl. 62—127)



1. A valve for controlling the flow of fluid to a device capable of discharging a return flow of the fluid comprising a chamber-providing body, first conduit-means for conducting fluid through the chamber, second conduit-means for discharging return fluid into the chamber, means in the chamber for removing any liquid components of the returning fluid, and means operably responsive to predetermined variations in the pressure conditions within the chamber for controlling the flow of fluid through the first conduit-means.

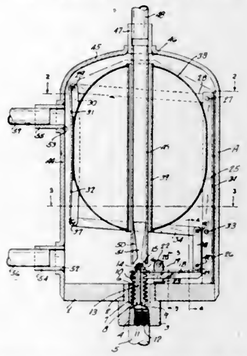
2,278,000

LIQUID LEVEL CONTROL VALVE

Parke H. Thompson, Millville, N. J., assignor of thirty-five per cent to Russell Maguire, New York, N. Y.

Application May 8, 1939, Serial No. 272,374

10 Claims. (Cl. 137—68)



1. A liquid-level control for use with a liquid-utilizing device comprising a shell providing a float chamber, means for connecting the chamber to said device for maintaining in the chamber a liquid level corresponding to the liquid level in the device, conduit means extending through the chamber and connected to the device for conducting a supply of fresh liquid to said device, valve means operably associated with the conduit means for controlling liquid flow therethrough, a float suspended in the chamber and connected to the valve means for valve-actuating movement responsive to the liquid-level in the chamber, and means for introducing liquid from the chamber into the conduit means for recirculation to the device with the flow of fresh liquid.

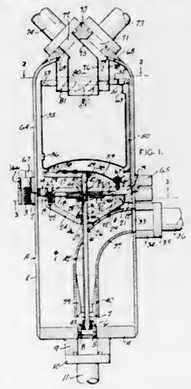
2,278,001

FLOW-CONTROLLED VALVE

Parke H. Thompson, Millville, N. J., assignor of thirty-five per cent to Russell Maguire, New York, N. Y.

Application May 8, 1939, Serial No. 272,375

24 Claims. (Cl. 62—127)



14. A valve structure comprising a body providing a chamber, a first inlet, a first outlet, movable throttling means for controlling the flow of liquor from said inlet to said outlet, a second inlet for introducing a mixed stream of liquid and vapor into said chamber, means in the chamber actuable in response to changes in liquid content in the stream for operating said throttling means to control the flow of liquid from the first inlet to the first outlet, and a second outlet for the vapor component of said stream.

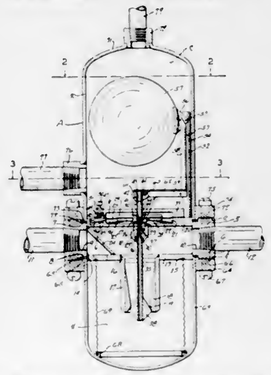
2,278,002

LIQUID LEVEL RESPONSIVE VALVE

Parke H. Thompson, Millville, N. J.

Application June 23, 1939, Serial No. 280,720

5 Claims. (Cl. 137—68)



1. A level responsive fluid control comprising a valve body having high and low pressure chambers, valve means disposed therebetween, servo-motor means operably connected to the valve means and having communication with the high pressure chamber, and liquid level responsive means for admitting fluid from the high pressure chamber to the servo-motor means to open the valve means, said liquid level responsive means including a pilot valve carried by, and an actuating lever fulcrumed on, said valve means so that the energizing effect of the servo-motor means is reduced upon opening movement of the valve means.

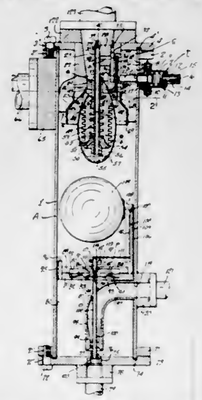
2,278,003

COORDINATED CONTROL VALVE

Parke H. Thompson, Millville, N. J.

Application June 23, 1939, Serial No. 280,721

17 Claims. (Cl. 62—127)



1. A control structure for use in regulating apparatus adapted to receive a supply-flow of liquid and discharge a return flow containing varying proportions of liquid and gas, said structure comprising first valve means, second valve means, means for receiving the return flow and separating the same into liquid and gaseous components, means responsive to the pressure of the gaseous component for actuating the first valve means, and means responsive to the rate of return of the liquid component for actuating the second valve means.

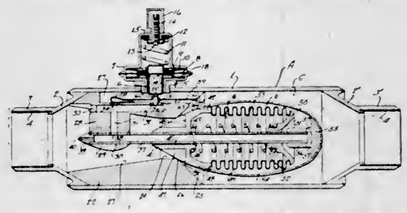
2,278,004

PRESSURE REGULATING VALVE

Parke H. Thompson, Millville, N. J.

Application June 23, 1939, Serial No. 280,722

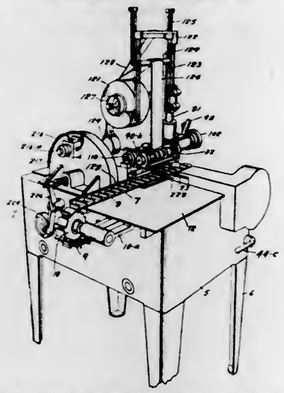
14 Claims. (Cl. 50—14)



1. In a pressure regulating valve, a valve body having inlet and outlet compartments, passage forming means connecting the two compartments, an ovicapsular member having a valve plug co-operable with the passage forming means for controlling the flow from the inlet to the outlet compartments, cylinder forming means

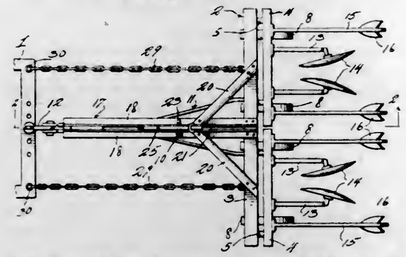
mounted in the ovicapsular member, and a plurality of tandem connected fixed pistons operatively mounted in the cylinder forming means for causing said member and the associated valve plug to shift responsive to changes in the pressure within the inlet compartment.

2,278,005
MACHINE FOR WRAPPING ARTICLES
Anton Van Veen, West Hartford, Conn.
Application April 4, 1939, Serial No. 265,878
14 Claims. (Cl. 93—2)



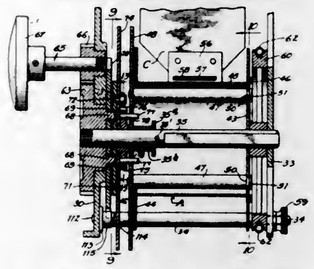
1. A wrapping machine comprising a folding device adapted to fold a wrapper over an article upon the movement of said article and wrapper therethrough; said folding device comprising a stationary horn in said machine, a shoe, means on said shoe for folding a portion of said wrapper over said article and forcing the said wrapper downwardly along the sides of said article, and means on said horn for lifting the side portions of said wrapper and folding them down in overlapping position upon the top of said article.

2,278,006
AUTOMATIC GANG LIFT FOR CULTIVATORS
Herman W. Waltke, Pickrell, Nebr.
Application May 24, 1941, Serial No. 395,069
5 Claims. (Cl. 97—75)



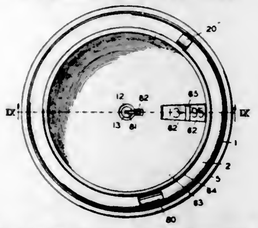
1. A cultivator structure, comprising a draft tongue, supporting wheels operatively coupled with said tongue, a frame supported by said wheels to oscillate about the axis of rotation of the wheels, said frame comprising two elongated parallel members extending transversely of the machine, a beam connected at one end with one of said members and extending forwardly over said draft tongue, means forming a slidable connection between the other end of the beam and the draft tongue, earth-working elements carried by the other one of said members, and a pair of flexible pulling elements connected with the first-mentioned one of said members upon opposite sides of said beam for connection with a draft element with which said tongue is coupled, said pulling elements being of the same length whereby to be maintained taut when the draft element and cultivator are traveling in a straight path.

2,278,007
COIN CONTROLLED AMUSEMENT APPARATUS
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1940, Serial No. 337,404
11 Claims. (Cl. 40—86)



1. In an apparatus of the class described having a band supporting and winding mechanism, including a pair of drums on and between which the band is wound, a drum mounting comprising a shaft, a plate on said shaft, a circular group of rods secured at one end to said plate and encircling said shaft, and a drum formed with a cylindrical body and a head slidable over said group of rods and a head slidable on said shaft, said last named head having a circular group of key-hole slots, and the other ends of said rods having heads of a size to pass through the circular portions of said slots and necks of a size to engage with the narrow portions of said slots under a relative turning movement of said last named drum head and group of rods.

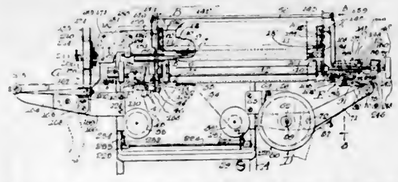
2,278,008
REGISTERING COIN-SAVINGS BANK
Denver H. Greer, San Francisco, Calif.
Application August 15, 1938, Serial No. 224,984
3 Claims. (Cl. 235—100)



1. A coin bank of the class described comprising a coin receptacle; a casing surmounting said receptacle having a coin notch therein in juxtaposition to said coin receptacle; a horizontally disposed plate rotatable in said casing and resting on said coin receptacle; said plate having a recess therein adapted to register with said coin entry notch when said plate is in its initial position; manual means for oscillating said plate;

said receptacle having a top provided with a depressed portion in juxtaposition to said plate and with which said recess is adapted to register at the end of the operative cycle of the operation of said plate; said receptacle top having an opening therethrough contiguous with said depressed portion; a driving pawl pivoted on said plate and adapted to engage the periphery of a coin in said recess in said plate thus assuming a predetermined position which depends upon the size of the coin in said recess; a horizontally disposed totalizer disk rotatable in said casing, means associated with said disk and adapted to be engaged by said pawl, whereby the disk is driven by movement of the plate, means restraining said pawl from engagement with said means until a point which depends upon the position of said pawl as selected by the size of the coin in said recess in the movement of said member and said pawl; means for discharging the coin from said recess into the depressed portion on said coin receptacle when said recess registers therewith near the end of the operative cycle of movement of said plate; and lugs on said plate arranged to engage the coin in said depressed portion and to force it through said contiguous opening during the restoration cycle of movement of said plate.

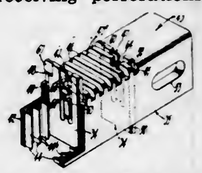
2,278,009
TYPEWRITING MACHINE
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application September 30, 1940, Serial No. 359,119
35 Claims. (Cl. 197—153)



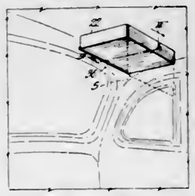
1. In a typewriter or like machine, a frame; a carriage mounted thereon for letter-spacing and return movements; a platen mounted on the carriage; means for mounting a ribbon supply on the frame and for directing ribbon from the supply along the writing line of the platen to be fed in the direction of carriage letter-spacing movement; a pair of rolls journaled on the carriage to move in advance of the platen during letter-spacing movement, said rolls being adapted to grip the ribbon; a reverse-rotation-preventing device connected to at least one of said rolls to hold said rolls from turning when the carriage is moved in letter-spacing direction whereby said rolls will pull the ribbon along with the carriage and platen during letter-spacing, said device permitting free rotation of said rolls during carriage return movement and with the rolls in gripping engagement with the ribbon; and ribbon take-up means for preventing movement of the ribbon in carriage return direction.

2,278,010
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 2, 1935, Serial No. 4,686
13 Claims. (Cl. 197—10)

10. In a typing machine; an open-channel-form tabulating stop rack consisting of a base wall and two opposite side walls, said side walls each being individually of one piece and of one piece with said base wall so that said rack is entirely of one piece, said base wall having tabulating-stop-receiving perforations and the opposite inner faces of said side walls having stop receiving grooves corresponding to said base wall perforations and forming tabulating-stop-buttressing teeth internally along the inner sides of the channel and homogeneously integral with said side walls.

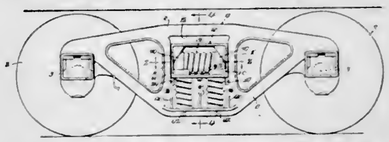


2,278,011
PAPER PACK HOLDER
Forrest Lee Murdock, Tulsa, Okla.
Application July 24, 1939, Serial No. 286,184
2 Claims. (Cl. 296—97)



1. The combination with an automobile having a windshield and a side window of a rectilinear paper pack holder mounted adjacent said windshield for relative adjustment thereto; a paper pack of sheets of pliable material resiliently secured therein and adapted to be successively partially removed therefrom to selectively serve as a curtain below said holder in front of said windshield or said side window when the holder is positioned above said windshield.

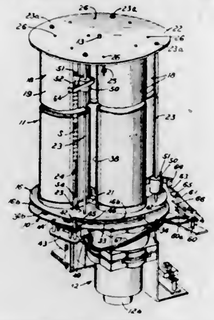
2,278,012
CAR TRUCK
Egbert J. Maatman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 2, 1939, Serial No. 297,456
23 Claims. (Cl. 105—197)



2. In a quick wheel change truck, a side frame having a bolster opening, a bolster received therein, a friction absorbing device enclosed within said bolster comprising friction shoes having a resilient member interposed therebetween, diagonal surfaces formed within said bolster between top and side walls thereof in frictional engagement with said shoes, a flat member interlocked with said shoes for frictional engagement therewith, said member being secured to said frame for maintaining said bolster and frame in assembled relationship, means for limiting lat-

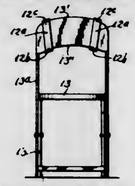
eral motion of said bolster, and means accommodating relative vertical movement of said frame and bolster.

2,278,013
DISPENSING APPARATUS
Ralph A. Nicholson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application July 14, 1941, Serial No. 402,264
17 Claims. (Cl. 312—44)



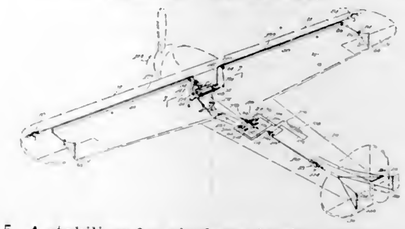
1. The combination, with dispensing mechanism including an article receiving opening, of a revolvable magazine carrier including a plurality of open-bottom magazine compartments mounted for movement to successively register the open bottoms of said compartments with said opening, means normally tending to rotate said carrier with respect to said opening, releasable means for arresting said carrier to position any of said compartments with said opening, means controlled by movement of articles in that one of the compartments which is in alignment with said opening for effecting release of said arresting means to effect movement of the carrier to position the next succeeding compartment with said opening, means normally closing the bottoms of each of said compartments, and means functioning cooperatively with rotative movement of said carrier for effecting withdrawal of said bottom-closing means for that one of said compartments which is in register with said receiving opening whereby to permit movement of articles in said registered compartment into said opening.

2,278,014
DETACHABLE TABLE FOR THE BACK OF CHAIRS AND THE LIKE
Charles M. Olivant, Bellaire, Long Island, N. Y.
Application April 5, 1940, Serial No. 327,968
4 Claims. (Cl. 155—123)



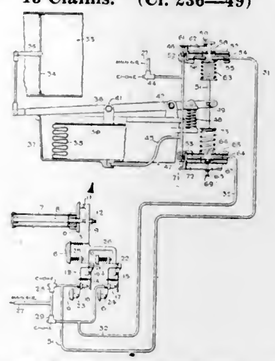
1. A detachable table for the backs of chairs, comprising a table board, a pair of rigid strips attached on the bottom face of said board, and hook members on the rear ends of said strips for engaging the top of a chair back to support the table board horizontally, said hook members comprising flat portions extending along the front face of the chair back and terminating at their bottom ends in hook portions extending upwards and engaging the bottom edge of the chair back, said flat portions at their top ends continuing into portions extending over the top edge of the chair back and continuing into extending portions connecting with said strips.

2,278,015
AIRPLANE STABILIZER
Ralph A. Openshaw, Mesa, Ariz.
Application May 1, 1939, Serial No. 271,136
7 Claims. (Cl. 244—80)



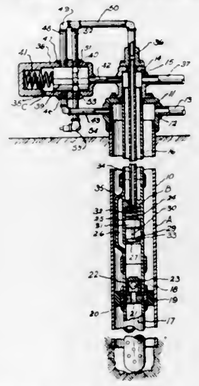
5. A stabilizer for airplanes having aileron controls, a power shaft driven by the motor of the airplane, friction rollers driven by the power shaft, friction rollers carried by the aileron controls, a gravity responsive means comprising a rigidly supported cylindrical member, a cylindrical member rotatably supported in the first cylindrical member, an intermediately pivoted weight carried by the inner cylindrical member, and means operated by the upper end of the intermediately pivoted weight for moving the friction rollers carried by the aileron controls into and out of engagement with the friction rollers driven by the power shaft.

2,278,016
REGULATING APPARATUS
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 31, 1940, Serial No. 348,843
13 Claims. (Cl. 236—49)



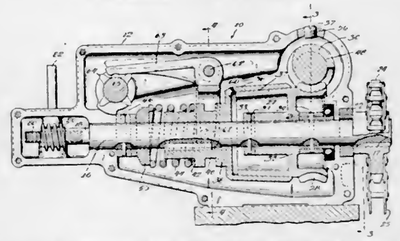
2. In a regulating system, valve means for controlling the flow of medium; a source of pressure fluid, a pressure motor for operating said valve means; diaphragm operated leak port means pneumatically connected to said source and to said motor and mechanically connected to said motor for controlling said pressure motor, for causing valve movement in one direction or the other; and temperature responsive means for controlling said leak port means to cause successive opening and closing movements of the valve during a continuous temperature change in one direction.

2,278,017
FLOW APPARATUS
Asbury S. Parks, Houston, Tex.
Application May 22, 1939, Serial No. 274,914
11 Claims. (Cl. 103—234)



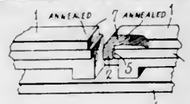
1. A flow apparatus including, a well tubing, means connected in the tubing and actuated by a pressure differential thereacross for controlling the admission of a lifting fluid into the well tubing, said means having one side exposed to the pressure of the well liquid in the tubing, and means controllable from the surface and communicating with the other side of said control means for subjecting the latter side of said control means to a predetermined fluid pressure, whereby said control means is actuated to admit lifting fluid to the tubing when the pressure of the well liquid reaches a predetermined point.

2,278,018
POWER TRANSMISSION DEVICE
Hans A. Pedersen, Chicago, Ill.
Application July 28, 1939, Serial No. 287,044
2 Claims. (Cl. 74—428)



1. In a device of the class described, a driving shaft adapted for coupling to a source of power, a worm on said driving shaft and rotatable therewith, a driven shaft, a clutch member rotatably mounted on said driven shaft, means on said shaft for retaining said clutch member against axial movement, said clutch member having a tapered clutch engaging surface and being fixedly associated with a worm wheel in engagement with said worm, a complementary clutch member having a tapered clutch engaging surface to fit said first mentioned clutch engaging surface, said complementary clutch member being mounted on said driven shaft for rotation therewith but being axially movable thereon, spring means reacting on said driven shaft and bearing with yieldable pressure against said complementary clutch member for retaining said complementary clutch member and gear associated clutch member in engagement under normal load, a pair of driving elements for operating independent mechanisms fixed on said driven shaft, the relative operation of the independent mechanisms driven by each of said driving elements being thereby in synchronism under all conditions of operation of said device.

2,278,019
PISTON RING ASSEMBLY
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application March 8, 1940, Serial No. 322,899
5 Claims. (Cl. 309—44)

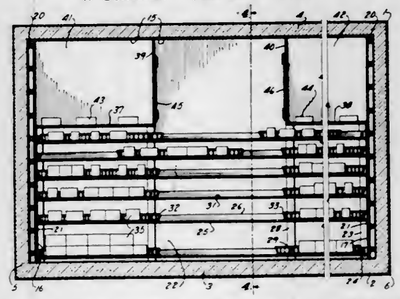


1. As an article of manufacture, an annular thin split expansible cylinder wall engaging piston ring member of hard wear resisting material having an area adjacent the end portion only thereof in an annealed condition whereby wearing-in of the member in use is facilitated.

2,278,020
PROCESS OF SEPARATING CHALCOCITE ORE
Anderson W. Ralston and Ervin W. Segebrecht, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 3, 1939, Serial No. 302,762
6 Claims. (Cl. 209—166)

1. In the separation by froth flotation of copper sulfide from chalcocite ores the step which comprises subjecting an aqueous pulp of the chalcocite ore to froth flotation in the presence of a water-soluble primary aliphatic amine salt having from six to eighteen carbon atoms.

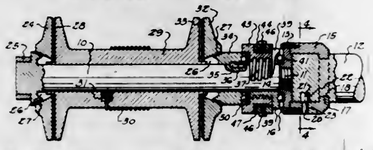
2,278,021
CABINET
Walter A. Reich, Kansas City, Mo.
Application February 24, 1940, Serial No. 320,605
2 Claims. (Cl. 312—119)



1. In a refrigerated container of the character described, an enclosing frame, a compartment in the frame having storage and dispensing spaces therein, a closure mounted in the frame to pro-

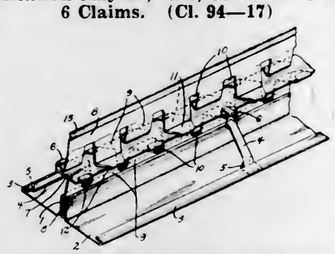
vide access to the dispensing space, a display compartment in the frame above the storage space, a transparent panel in the frame adjacent the closure for permitting view of the displayed articles, said display compartment being wholly enclosed to prevent light in the display compartment from entering the storage space, a plurality of racks in the storage space below the display compartment and having portions extending into the dispensing space, and trays supported on the racks and individually movable from the storage space to the dispensing space adjacent the closure for removal therethrough of articles carried on the trays.

2,278,022
CATHEAD AND CLUTCHING DEVICE THEREFOR
Arthur L. Rodgers, Seagraves, Tex., assignor of one-half to Two States Drilling Company, Dallas, Tex., a corporation of Texas
Application March 6, 1939, Serial No. 260,117
3 Claims. (Cl. 254—187)



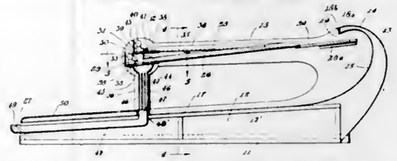
3. A cathead including, a rotatable shaft, a clutch disk secured to one end of the shaft and incapable of longitudinal movement, a cable drum freely rotatable on the shaft and having one end adjacent the clutch disk, a second clutch disk keyed on the shaft and capable of longitudinal movement thereon and arranged to be moved into engagement with the opposite end of the drum, whereby said drum is confined between the disks and has frictional engagement therewith so as to be driven thereby, an annular fixed support mounted adjacent the movable clutch disk and surrounding the shaft, a thrust collar also surrounding the shaft and slidably keyed within the support so as to be movable longitudinally on the shaft, said collar being free from positive connection with the clutch disk and arranged to engage the movable clutch disk, whereby the collar may be utilized to move the disk into engagement with the drum, and a rotatable operating member confined against movement on the shaft and interposed between said shaft and the collar, said member and collar having co-acting worm teeth, whereby rotation of the member will impart movement to the collar.

2,278,023
CONTRACTION JOINT
Robert R. Robertson, Chicago, Ill.
Application July 24, 1940, Serial No. 347,125
6 Claims. (Cl. 94—17)



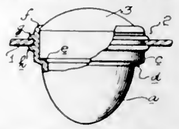
1. A road joint for embedding between interfitting concrete road slabs, said joint comprising upper and lower joint blades, a seal plate disposed therebetween, pocket-shaped brace members integrally connected with the upper and lower joint plates and projecting toward the seal plate and contacting the same in staggered relationship to form staggered buttress-like portions on the road slabs, and gripping members formed on the brace plates and engaging around the seal plate on opposite sides thereof to hold the joint plates and the seal plate in assembled relation and allowing a transverse movement of the gripping members with respect to the seal plate with a contraction movement of the road slabs.

2,278,024
GAME APPARATUS
Abraham Rosenzweig, Brooklyn, N. Y.
Application April 1, 1940, Serial No. 327,302
5 Claims. (Cl. 273—125)



1. A game apparatus including a ball course, a vertically concave return course extending upwardly from one end of said ball course, an inclined plate leading off the forward end of said return course along which the ball rolls after negotiating the vertically concave return course, a plurality of inclined channels at different levels leading off the inclined plate at the forward edge into any one of which the ball may roll, and a common return chute disposed below said channels.

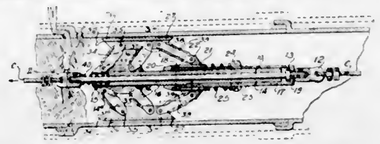
2,278,025
MOUNTING FOR REFLECTOR BUTTONS
Frank Sadoski, Dallas, Tex.
Application May 9, 1940, Serial No. 334,143
2 Claims. (Cl. 88—82)



1. A light reflecting device and mounting including in combination with an apertured mounting plate, a shell of malleable material comprised of an annular button receiving flange disposed in the aperture of said plate and a concavo-convex reflector cup integral with said flange, the upper portion of the latter being inset with respect to said flange, an annular, downwardly sloping seat for said button provided on said inset and a pair of relatively spaced, annular shoulders integral with and equidistant from the top and bottom of said flange and overlying the edges of said aperture on either side of said plate to thereby retain the shell in said plate, said flange further having its upper edges turned inwardly to retain said button in said mounting.

2,278,026
SEWER AND PIPE CLEANER
Henry M. Smith, Los Nietos, Calif., assignor of one-half to William D. Osborn, Los Angeles, Calif.
Application May 3, 1939, Serial No. 271,488
3 Claims. (Cl. 15—104.30)

1. In a sewer and conduit cleaning device, an elongated body, a housing slidable with respect thereto, a collar slidable upon said housing, a plurality of cutter members radially disposed about the body, links pivotally connecting said cutter members at each end with said body and collar respectively, relatively strong spring means interposed between said housing and collar, arranged and adapted to oppose movement of said collar in a direction effecting a collapse of the cutters, abutment means on the housing engaging said collar, axially adjustable abutment means on the body and engaging said housing to

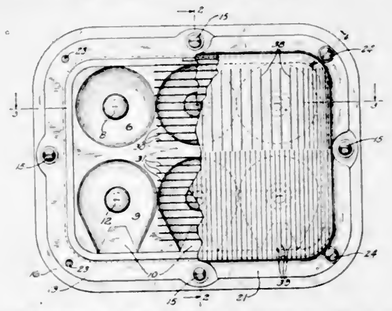


limit the radial movement of the cutters, cable means operatively connected to said housing for pulling the latter through a pipe being cleaned in a direction tending to expand the cutters, additional cable means extending in the opposite direction and operatively connected to said housing to cause axial movement of said housing in a direction to collapse the cutters and a relatively weak spring interposed between said body and said housing and normally tending to prevent the latter movement of said housing.

2,278,027
PROCESS FOR CONCENTRATING OXIDIZED LEAD ORES
Joseph T. Terry, Rosemead, Calif.
No Drawing. Application May 1, 1940, Serial No. 332,773
9 Claims. (Cl. 75—2)

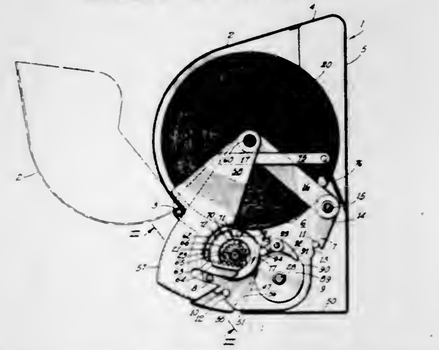
1. The process of concentrating natural oxidized lead ores comprising the formation of a pulp of an oxidized lead ore, treating with a soluble cyanide, washing to remove substantially all of said soluble cyanide but retaining a portion of said soluble cyanide to form a substantially insoluble coating of lead cyanide, and removing a concentrate by froth flotation.

2,278,028
VEHICLE HEADLIGHT
Ingolf N. Thoen, Milwaukee, Wis.
Application November 25, 1940, Serial No. 367,048
2 Claims. (Cl. 240—41.35)



1. An anti-glare headlight for vehicles comprising, a plurality of upper light sources each provided with a parabolic reflector, a plurality of lower light sources each likewise provided with a parabolic reflector and being disposed below said upper light sources and reflectors at a slight angle with respect thereto, a lens positioned ahead of said upper and lower light sources, a plurality of parallel horizontally extending anti-glare plates for said upper light sources positioned within said lens and in planes parallel with the rays projected forwardly from said upper light sources, and a plurality of parallel horizontally extending anti-glare plates for said lower light sources positioned within said lens and disposed in planes parallel with the rays projected forwardly and slightly downwardly from said lower light sources, said upper and lower plates having their upper surfaces non-reflecting, and said plurality of light sources and reflectors furnishing an increased number of rays which can pass between the plates to compensate for the loss of effective light due to interference from said plates and non-reflecting surfaces.

2,278,029
DISPENSER FOR SHEET MATERIAL
Russell E. Walsh, Gardena, and Ray O. Wilson, Los Angeles, Calif.
Application December 20, 1940, Serial No. 371,012
4 Claims. (Cl. 164—28)

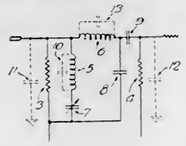


4. In a device for dispensing rolled sheet material, the combination of: a cabinet for enclosing a rolled supply of said material and having a slot through which said material may be drawn from the cabinet; roller means of predetermined radius supported for rotation within said cabinet and drivably engaged with said material; a cutter support supported in said cabinet for rotation about an axis parallel to the axis of said roller means; a cutter carried by said support at a distance from the axis of rotation thereof approximating the radius of said roller means and in a position to engage and cut a portion of said material in contact with said roller means upon such predetermined partial rotation of said cutter support as will move said cutter in the same direction and at the same speed as the surface of said roller means is moved; and interrupted gearing interconnecting said cutter support and said roller means for producing one of said predetermined partial rotations of said cutter support upon each rotation of said roller means which makes a predetermined whole number of revolutions in each cycle.

2,278,030
RADIO RECEIVING APPARATUS
Rennie I. Weber, Franklin Park, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1940, Serial No. 346,271
2 Claims. (Cl. 178—44)

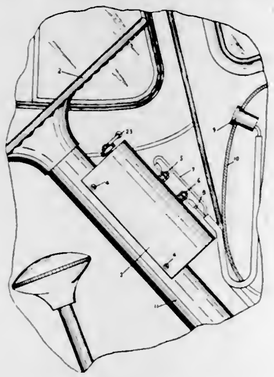
1. In radio receiving apparatus, an untuned

radio frequency transmission stage comprising a radio frequency amplification tube and a plurality of output circuit paths connected therewith and resonant at different frequencies, two of said circuit paths having relatively low gain characteristics and two of said circuit paths having relatively high gain characteristics, one of said relatively low gain circuit paths extending between said tube and a radio frequency ground connection and another of said relatively low gain circuit paths being located effectively in the output of said stage, and both of said relatively high



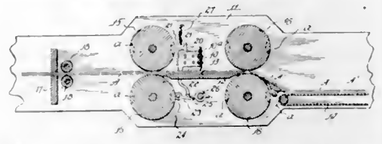
gain circuit paths extending between said tube and a radio frequency ground connection, the over-all frequency transmission range of said stage and the tuning range of said apparatus lying between and determined by the frequencies at which the aforesaid relatively low gain circuit paths are resonant, and the equalization of the signal amplification throughout the tuning range of said apparatus being effected through the employment of the aforesaid relatively high gain circuit paths at frequencies within the frequency transmission range of said stage.

2,278,031
DIRECTIONAL INDICATING DEVICE
Victor T. Wiglesworth, Portland, Oreg.
Application September 18, 1939, Serial No. 295,384
5 Claims. (Cl. 200—59)



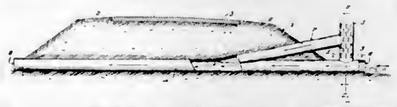
1. In a device of the class described, in combination with a steering wheel, comprising a cam, a contactor pin adapted for being moved longitudinally of the steering shaft as the steering shaft is rotated, means for maintaining the movement of the contactor pin in a straight line, a plurality of electric terminals spaced apart and positioned so as to be contacted by the contactor pin as the pin is moved, a carrier for the electric terminals, bearing shafts for the terminal carrier, manually settable means for rotating the electric terminal carrier, means for closing an electric circuit when the carrier is rotated and automatic means for rerotating the terminal carrier when the steering shaft is rotated beyond a predetermined amount.

2,278,032
APPARATUS FOR CUTTING FILAMENTS INTO STAPLE LENGTHS
Gardner M. Youngman, Washington, D. C.
Application March 27, 1941, Serial No. 385,564
5 Claims. (Cl. 164—49)



1. A machine for cutting continuous filaments or tow into staple lengths for forming a sliver to be used in the production of yarn, comprising a cutting implement including a reciprocating knife blade and companion cutting edge associated with a table, said cutting edge being at one side of a slit in the table, a pair of rollers for delivering the tow to the cutting implement, a second pair of rollers receiving the cut filaments, gearwheels connecting each pair of rollers for rotation in unison, and a driving gearwheel having cut-out portions at opposite sides of the toothed periphery thereof to impart intermittent rotary motion to the rollers; together with mechanism operated by the driving gearwheel for operating the cutting implement coincident with the pauses in rotation of the rollers.

2,278,033
NONCLOGGING, SELF-CLEANING APPARATUS
Floyd W. Arnold and Louis J. Richards, Azusa, Calif.
Application January 27, 1941, Serial No. 376,214
1 Claim. (Cl. 61—16)

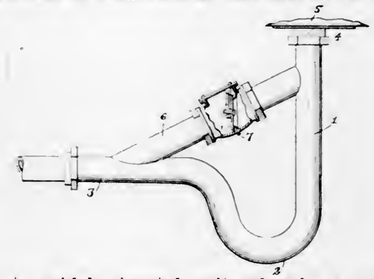


In a non-clogging, self-cleaning apparatus, the combination of a substantially horizontal primary pipe having an inlet and adapted to open upon a ditch and a discharge end adapted to open upon a ditch, a vertical auxiliary pipe being provided with slots arranged in staggered manner throughout its length, whereby a whirlpool action of water is created around said pipe, said auxiliary pipe opening at its lower end into said primary pipe near its inlet end, and an inclined intermediary pipe connected at its upper end to and opening into said auxiliary pipe near its center and said intermediary pipe opening at its lower end into said primary pipe whereby water passing from said slotted auxiliary pipe down through said intermediary pipe and into said primary pipe will cause a suction in the primary pipe from its inlet end to the lower end of said intermediary pipe.

2,278,034
NONCLOGGING, SELF-CLEANING AUTOMATIC TRAP FOR SINKS, LAVATORIES, ETC.
Floyd W. Arnold and Louis J. Richards, Azusa, Calif.
Application April 21, 1941, Serial No. 389,666
3 Claims. (Cl. 182—14)

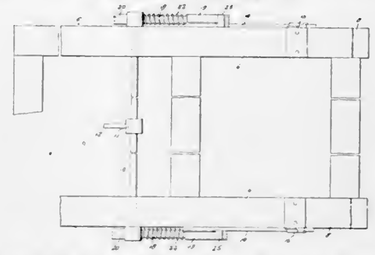
1. In a device of the class described, the combination of a downwardly-bowed trap unit being provided only at its inner end with a vertical unit and at its outer end with a horizontal unit,

an oblique unit above the entire downwardly-bowed trap unit, valve means on said oblique unit, and said oblique unit connected at its upper end to said vertical unit and at its lower



end to said horizontal unit, whereby a suction action is created at the meeting portions of said horizontal and oblique units for removing foreign substances from the whole length of said bowed trap unit.

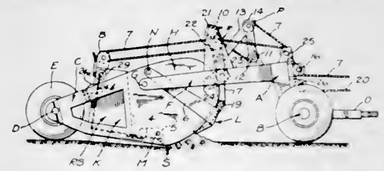
2,278,035
LOG LOADER
John H. Baker, Garrison, Tex.
Application August 14, 1941, Serial No. 406,901
4 Claims. (Cl. 214—1)



1. In a log handling device, a frame provided adjacent one end thereof with means to accommodate a log in a relatively stationary position on the frame, ejector members slidably mounted on the frame at opposite sides thereof and movable to a projected position for engaging the log and displacing it from its seated position on the frame, a crank for each ejector member, an operating connection between said ejector members for simultaneously projecting and retracting such members, and spring means between each crank and its associated ejector member placed under tension upon initial ejecting movement of the members, and adapted to subject the log to the force of the spring means for continuing the ejecting movement of the members after the completion of the throw of the crank.

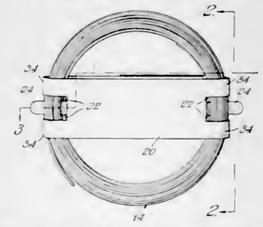
2,278,036
HAULING SCRAPER
Len O. Bird, Glendale, Calif., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application May 16, 1939, Serial No. 273,919
24 Claims. (Cl. 37—126)

13. In a hauling scraper, a frame, a sectional bowl thereon including a tiltable rigid front section pivoted to said frame so that it will gravitate from tilted position back into normal position, and a tiltable and rigid rear section hinged to said front section so that it will gravitate from tilted position back into normal position, said rear section having a rigid upstanding back wall in fixed relation thereto, a scraper blade operatively associated with said front section, an apron mounted on said frame for movement into and out of position for retaining the load in the bowl, and an operating mechanism which when actuated first moves the apron out of load retaining position, then tilts the rear section including said back wall but exclusively of the front section into a predetermined dumping position, and finally tilts both sections about the axis of the front section with the frame, into another dumping position for completely discharging the load, and when released allows said sections to gravitate to normal position.



16. In a hauling scraper, a frame, a bowl movable thereon, an apron mounted on the frame to be moved into and out of position for retaining the load in the bowl, and a common means for moving said apron and bowl including a lever fulcrumed on said frame, pulleys mounted on said bowl and at one point on said lever respectively, a cable operatively associated with said pulleys, and a rigid link bar pivoted at its ends to another point on said lever and to said apron.

2,278,037
MERCHANDISE DISPLAY CARD AND WRAP
Wesley H. McIntire, Auburndale, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application October 14, 1940, Serial No. 361,166
7 Claims. (Cl. 206—59)

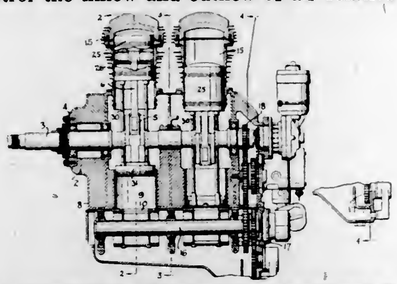


1. A display card for material wrapped in the form of a coil, comprising a strap of bendable material of such length as to encircle the coil diametrically thereof and to overlap at its ends, tabs located within the contour of said strap and bendable to engage the inner peripheral contour of the coil, to coact with the bights of the strap engaging the outer peripheral contour of the coil for restraining the strap from relative movement, and means for securing the overlapping ends of the strap one to the other.

2,278,038
TWO-CYCLE ENGINE
Charles A. Toce and Victor J. Toce, Houston, Tex.
Application August 23, 1941, Serial No. 408,030
4 Claims. (Cl. 123—56)

4. A multicylinder two-cycle internal combustion engine including a body, a crankshaft therein, a set of axially disposed cylinders on opposite sides of said crankshaft, one of each set being

a combustion cylinder, another of each set being a compression cylinder, a piston and compression unit extending about said crankshaft and having a piston for said combustion cylinder and a head for said compression cylinder, a rotary valve to control the inflow and outflow of air relative to



said compression chamber, means connected to conduct the outflow to said combustion chamber, and additional means to inject fuel into said combustion chamber, said combustion chamber being scavenged by the inflow of air prior to the injection of fuel.

2,278,039

CARCASS BRANDING

Beverly E. Williams, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application October 30, 1940, Serial No. 363,513
5 Claims. (Cl. 216—62)



1. The method of treating edible carcasses which comprises applying to the moist, freshly skinned surface a tissue paper bearing identifying marks, said tissue paper tending to become disfigured by absorption of blood and moisture from the carcass, and covering said tissue with a cloth to absorb said blood and moisture through the tissue paper whereby improved identifying marks are obtained.

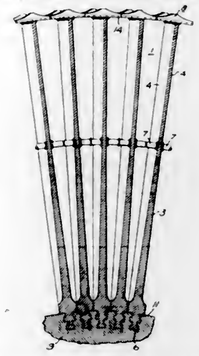
2,278,040

TURBINE BLADING

Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application October 23, 1939, Serial No. 300,708
7 Claims. (Cl. 29—156.8)

1. The method of forming a reinforced blade row for a turbine element with blades formed of a material that normally air hardens when heated incidental to the welding of a part thereto which comprises welding bracing means formed of a non-air hardening material to the individual blades in a manner inducing air hardening in the portion of the blade immediately adjacent the weld and so as to form unitary blade structures each having said means projecting so as to present free end portions so arranged that when the blade structures are mounted on a turbine element to form a blade row the free end portions of the said means on each blade structure are



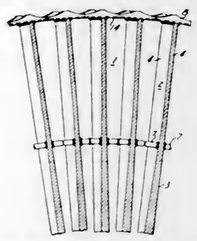
disposed in welding proximity with respect to the free end portions of the bracing means on the next adjacent blade structures, heat treating said unitary blade structures to eliminate the effects of air hardening of portions of the individual blades incidental to the welding of the bracing means thereto, mounting said heat treated unitary blade structures on a turbine element to form a blade row, and uniting the free end portions of the bracing members on a series of adjacent blade structures through non-air hardening material welded to said bracing means.

2,278,041

TURBINE BLADE SHROUD

Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Original application October 23, 1939, Serial No. 300,708. Divided and this application August 24, 1940, Serial No. 354,048
5 Claims. (Cl. 253—77)



1. A shroud structure for individual turbine blades comprising a member having oppositely disposed edges, a substantially smooth bottom surface, a top surface presenting an upstanding coextensive flange the height of which is a maximum at a point approximately midway between said oppositely disposed edges, and progressively decreases towards each of said edges, and dimensions such that when the member are secured to a blade with the top of the blade coacting with

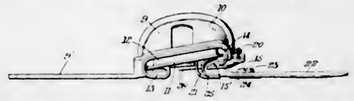
a portion of the member approximately midway between said oppositely disposed edges and blades provided with these members are assembled on a turbine element to form a blade row, said flanges will extend circumferentially of and radially outward with respect to the blade row, said opposite edges on adjacent members will be disposed in welding proximity and said bottom surface on adjacent members will coact and form in effect a continuous fluid confining surface.

2,278,042

FOLDING ATTACHMENT FOR SEWING MACHINES

Rudolph J. Sailer, Townley, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application April 9, 1940, Serial No. 328,659
12 Claims. (Cl. 112—136)



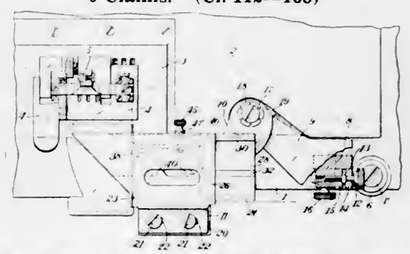
9. A center-plait folder for sewing machines comprising, an arbor-section, a wall-section spaced from said arbor-section and defining therewith a fabric-guiding passageway shaped to inturn the marginal edges of the center-plait, a fabric-folding blade having an inner edge disposed beneath said arbor-section adjacent the delivery end of the fabric-guiding passageway and cooperating with said arbor-section to form the re-entrant fold of the center-plait, means for supporting said fabric-folding blade for limited lateral adjustment, a curved fabric-guiding wall spaced from and cooperating with the inner edge of said fabric-folding blade, means for pivotally supporting said curved fabric-guiding wall for movement toward or away from the inner edge of said fabric-folding blade, and means including a slide shiftable lengthwise of the arbor-section by an adjusting screw for turning the curved fabric-guiding wall about its pivot to maintain the proper relationship between said inner edge and said curved fabric-guiding wall.

2,278,043

FOLDER ATTACHMENT FOR SEWING MACHINES

Rudolph J. Sailer, Townley, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 2, 1940, Serial No. 332,892
6 Claims. (Cl. 112—138)



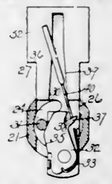
2. A folder attachment for sewing machines comprising a stationary outer section and a relatively movable inner section defining a U-shaped strip-guiding passageway terminating in cooperating inclined strip-inverting edges, guide-arms provided on one of said sections and arranged parallel to said strip-inverting edges, guideways provided on the other of said sections adapted for the reception of said guide-arms, and an adjusting screw interconnecting said inner and outer sections for effecting a relative shifting of said sections along the axes of said guide-arms.

2,278,044

LOCK

Thomas A. Scanlan, Cleveland, Ohio, assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut

Application May 11, 1939, Serial No. 273,025
26 Claims. (Cl. 70—134)



1. The combination with the chambered wall of a closure for an opening with a hole leading into the chamber through an edge of said wall, of a lock cylinder extending through another hole into said chamber and having an opening therein, a locking bolt insertable into the opening in said cylinder through said first mentioned hole to said chamber, key operable locking mechanism within said cylinder, an operative connection between said mechanism and locking bolt, and means supported and carried by said bolt and movable with it in its reciprocating movement for retaining it within said cylinder.

2,278,045

RESISTANCE DEVICE

Arthur H. Schafer, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 17, 1940, Serial No. 330,024
3 Claims. (Cl. 201—63)



1. In a resistance device comprising an electrical resistance element and a spool type support for said element, a spoolhead on said support, said spoolhead being abruptly thickened to provide a step on the inner face of said spoolhead, said step being located at right angles relative to the axis of said spoolhead and extending to the periphery of said spoolhead, a terminal, a bent portion on said terminal embedded in the thickened portion of said spoolhead and a curved portion on said terminal extending from said step and in spaced relation with the inner face of said spoolhead and electrically connected to said resistance element.

2,278,046

RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER

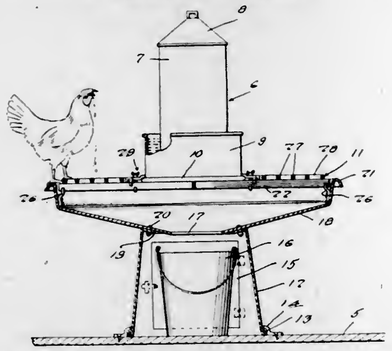
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 13, 1938, Serial No. 234,845
22 Claims. (Cl. 260—802)

1. The method of preserving a rubber which

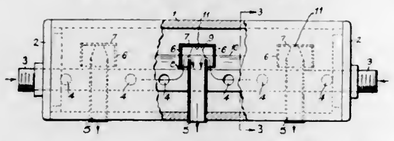
comprises treating a rubber with a product obtained by associating a carboxylic acid with a condensation product of a ketone and a primary aromatic amine in an amount at least sufficient to combine with the basic constituents of the ketone-amine and effecting a reaction by heating at such a temperature that water is removed from the reaction mixture in an amount in substantial excess of any free or combined water present as such.

2,278,047
POULTRY FOUNTAIN STAND
Paul T. Van Fleet, Harrodsburg, Ky.
Application June 11, 1940, Serial No. 339,964
3 Claims. (Cl. 119—77)



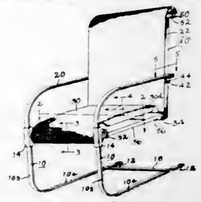
1. A poultry fountain stand comprising a basin, a horizontally disposed frame work in the top portion of the basin, and adapted for supporting a poultry fountain, an open grill work supported by the frame work; brackets secured internally of the basin to the peripheral wall of the basin, said brackets having forked angular end portions, and said frame work embodying a pair of crossed members each of which is provided in each end thereof with a notch engaging the forked end portion of one of said brackets.

2,278,048
FEED WATER CONTROL
Samuel S. Van Scoy, Hobart, Ind.
Application June 13, 1939, Serial No. 278,936
5 Claims. (Cl. 122—428)



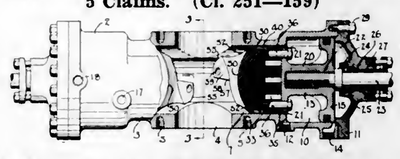
1. In feed water controls positioned in the steam space of steam boilers, a suitable casing, a water inlet tube to the casing, such inlet having a plurality of separate openings at spaced apart points throughout the length of the tube, a plurality of separate exit tubes in approximate radial relation to the center of the casing, such tubes terminating through a wall of the casing and leading into the steam space of a boiler, a cap having an open bottom and a closed top positioned against the upper end of each tube, and V-shaped slots in the wall of the exit tubes at the upper end of the tube, the bottom of the V being above the plane of the lower edge of the cap to thereby form a seal.

2,278,049
CHAIR
Louis J. Zerbee, Bellefontaine, Ohio
Application February 4, 1939, Serial No. 254,556
12 Claims. (Cl. 155—187)



1. In a chair, the combination including chair supporting means including a transverse front member and a transverse rear member, means for holding said members in fixed spaced relation relative to each other, an upwardly bowed metallic screen cushion spanning the space between the front supporting member and the rear supporting member, said screen member having floating sides, each merging into a deflected portion terminating short of the end portions for reenforcing the side portions of the seat, the forward edge of said screen being fixedly attached to the front supporting member and the rear edge of the screen being fixedly attached to the rear supporting member.

2,278,050
WELL HEAD CLOSURE
Herbert Allen and Edmond L. Lorehn, Houston, Tex., assignors to Cameron Iron Works, a corporation of Texas
Application June 7, 1938, Serial No. 212,242
5 Claims. (Cl. 251—159)

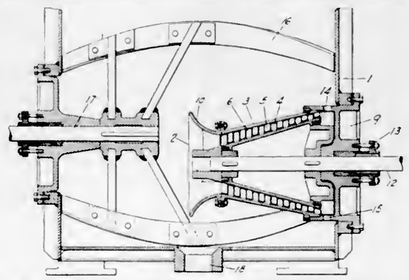


1. A ram construction for well strippers comprising a metal skeleton frame, a body of resilient material molded into and about said frame, said resilient material including a lobe portion at each side of the frame, each of said lobe portions having a forwardly extending ear, the body of material being recessed and convexly contoured between said ears.

2,278,051
APPARATUS FOR CUTTING AND MIXING
Samuel P. Ambrose, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 11, 1940, Serial No. 329,115
6 Claims. (Cl. 83—6)

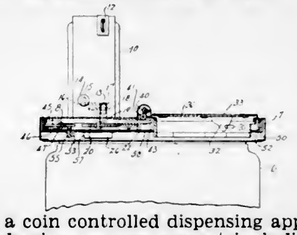
1. Means for cutting and mixing materials comprising a hollow conical member having spaced annular rows of inwardly extending teeth, a second conical member, the elements in whose surface make a greater angle of inclination with the axis of the cone than that made by the elements of the first conical member, substantially concentrically positioned in the first member to provide a passageway therebetween having a generally annular cross-sectional area interrupted by the teeth which decreases in thickness from the smaller to the larger ends of said conical members and having teeth extending outwardly

therefrom into the annular spaces between the teeth on the first member, the disposition and size of the teeth being such that the effective area of the passageway decreases slightly from the smaller to the larger ends of the members, each of the teeth having one face inclined to the longitudinal direction of the members to form with a second face of the tooth a dihedral angle constituting a cutting edge, the teeth being disposed with said cutting edges nearest the smaller ends of the conical members and with the inclined faces of the teeth on the first member extend-



ing from their respective cutting edges in a peripheral direction about said member opposite to the peripheral direction in which the inclined faces of the teeth on the second member extend from their respective cutting edges, each row of teeth on the hollow member being spaced with a minimum of clearance with respect to at least one of the adjacent rows of teeth on the second conical member, and means for imparting relative rotation to said members, said rotation being in such a direction that the inclined faces of the teeth are the leading surfaces thereof.

2,278,052
BOTTLE VENDING MACHINE
August E. Ascheris, Long Beach, and Wayne L. Leonard, Los Angeles, Calif.; said Leonard assignor to said Ascheris
Application October 30, 1940, Serial No. 363,404
3 Claims. (Cl. 312—192)

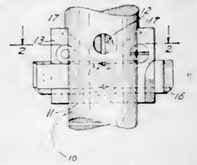


1. In a coin controlled dispensing apparatus, a cabinet having a cover support including a stationary annulus provided with a circumferential series of apertures, a cover therefor including a rim portion adjacent and opposing said annulus and having a hatch through which goods may be removed from the cabinet, roller means carried by said annulus on which said rim portion is disposed for thus holding the cover in normally freely rotatable relation in the cover support, a door hinged to close said hatch, manually releasable means automatically engaging and locking said door in closed position, a radially slidable rack bar supported by and beneath the cover, a latch pin carried by and movable with said rack bar for extension into an aperture of the annulus and retraction therefrom to respectively lock the cover against, and release the same for, rotation in its support, and gear means between the door and said rack bar for positively shifting the latter to extended position when the door is opened and to retracted position when the door is closed.

2,278,053
PREPARATION OF HALIDES
Abraham Sidney Behrman, Chicago, Ill.
Application January 19, 1938, Serial No. 185,655
6 Claims. (Cl. 204—94)

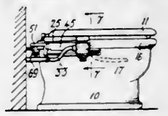
1. The process of producing halides which comprises reacting a water solution of a soluble alkaline compound from the group consisting of alkali and alkaline earth metal hydroxides, carbonates and bicarbonates, with an elemental halogen thereby forming an oxyhalogen compound of said metal, and reducing said oxyhalogen compound by subjecting the solution to the direct contact action of numerous galvanic couples produced by carbon and iron, then separating the solution of the halide from the insoluble material of the reaction mixture.

2,278,054
FLOATING REAMER
Herman Berg, Cleveland, Ohio, assignor to The Kelly Reamer Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1940, Serial No. 319,060
1 Claim. (Cl. 77—56)



A floating reamer comprising a holder having grooves in the opposed faces thereof, one of the walls defining one of said grooves being beveled inwardly, the opposed wall thereof having an undercut therein defining a channel of rectangular transverse section with rounded corners and an overhanging flange of rectangular transverse section with sharp corners, cutter blades in said grooves, one of the walls of said blades being beveled and engaged in dove tailed relation with the beveled wall of said groove, a ledge of rectangular transverse section formed in the opposed wall of said blade, the outside corners thereof being sharp right angles, the corners at the junction of the ledges with the body of the cutter being round, said ledges being interengaged with the channels in said holder, and bushings having a flat beveled face thereon engaged with the beveled face of the cutter for forcing the sharp edges of the ledges of the cutters into the rounded corners of the grooves in the holder.

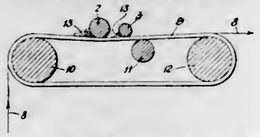
2,278,055
WATER CLOSET DOUCHE
Albert Bigio, Brooklyn, N. Y.
Application March 27, 1941, Serial No. 385,506
9 Claims. (Cl. 4—7)



1. An attachment for a water closet having a flush valve comprising in combination a laterally

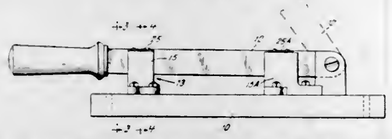
swingable douche member whereby said member may be swung substantially radial to the center of said closet and retracted to a position alongside the bead of the closet, and valve actuating means cooperating with said member whereby said valve is operated when said member is swung to retracted position.

2,278,056
PROCESS FOR DECORATING SHEET MATERIAL
Russell Boice, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 30, 1939, Serial No. 292,560
3 Claims. (Cl. 91—67.9)



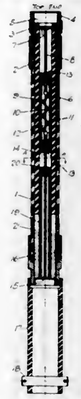
1. A process for decorating a coated sheet which comprises passing the coated side of said sheet under and against a doctor roller having a design in relief thereon, causing said roller to be pushed down on said sheet with sufficient pressure whereby said roller is rotated by the movement of said sheet, the amount of pressure being insufficient to alter the contour of said sheet, applying a coating composition in the form of a jelly of contrasting color to said sheet before contact with said roller in such a manner that a roll of said coating composition of less height than said roller is collected in front of said roller, whereby in passing under and against said roller a greater amount of said composition is retained on said sheet where it contacts the edges of the raised portion of said roller than elsewhere on said sheet, and drying the coated sheet.

2,278,057
ELECTRIC SWITCH, CONNECTOR, AND THE LIKE
Raphael Borza, Yonkers, N. Y.
Application March 15, 1941, Serial No. 383,482
5 Claims. (Cl. 200—162)



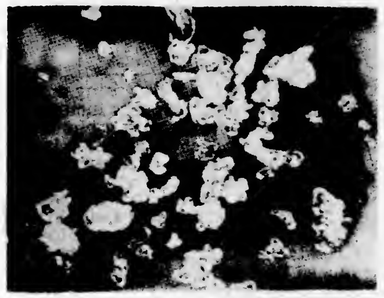
1. In combination, a male contact member and a female contact member adapted to receive and make electrical contact with said member, said female member having a metallic lined recess therein and a metallic member slidable in said recess, said recess tapering inward, said slidable member having an extension thereon adapted to be engaged by said male member upon insertion of the latter into the recess and to be carried rearward thereby toward the tapering end of the recess, said movement of said male and slidable members causing said slidable member to wedge said male member tightly in said recess, said female member and said slidable member having opposed complementary longitudinal grooves therein, a pin mounted partly in each of said grooves, and resilient means for restoring said slidable member to its original forward position in said recess upon extraction of said male member from said recess.

2,278,058
FUSE
Augustus Jesse Bowie, San Francisco, Calif.
Application May 1, 1939, Serial No. 270,983
21 Claims. (Cl. 200—127)



1. A fuse including a fuse tube, terminal connections therefor, a conductor connecting said terminal connections, at least a portion thereof being readily fusible, and a sealing member electrically conecting said conductor to one of said terminal connections and adapted normally to close one end of said fuse tube, a thrust member within said fuse tube extending from the readily fusible portion of said conductor toward said sealing member and adapted upon the fusing of said fusible portion to transmit the force caused by the expanding gases resulting from the blowing of the fuse directly to the sealing member, whereby the tube is rapidly unsealed, and a body of arc extinguishing material retained by said sealing member and adapted to be injected into the arc formed upon the expulsion of said sealing member.

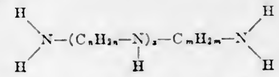
2,278,059
FREE-FLOWING SODIUM NITRITE PRODUCT AND METHOD OF PREPARATION
Francis S. Chambers and William E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 28, 1939, Serial No. 286,964
4 Claims. (Cl. 23—104)



1. The method of producing a free-flowing sodium nitrite, which comprises maintaining sodium nitrite at a temperature sufficiently elevated to assure molten state but not sufficiently high to cause decomposition, causing said material in molten form to pass through orifices of predetermined size to form comminuted particles, and effecting cooling and solidification of the comminuted particles while distinct entities.

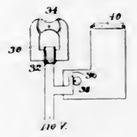
2,278,060
MINERAL CONCENTRATION
Ludwig Jacob Christmann, Yonkers, N. Y., and David Walker Jayne, Jr., Old Greenwich, and Stephen Edward Erickson, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 30, 1940, Serial No. 326,952
11 Claims. (Cl. 209—166)

1. In ore concentrating processes of separating acidic ore materials from non-metallic ore constituents the process which comprises carrying out the concentration operation in the presence of a promoter for the acidic ore material, said promoter being chosen from the group consisting of the reaction products of polyalkylene polyamines, represented by the following general formula:



in which n, m, and x are small whole numbers with higher fatty acids or esters and acid addition salts thereof, said compounds being free from sulfonic groups.

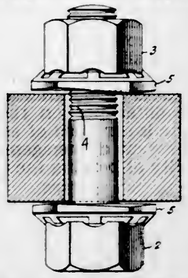
2,278,061
ILLUMINATING DRY SHAVER
Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application April 25, 1938, Serial No. 204,131
2 Claims. (Cl. 240—2)



1. A dry shaver comprising a shaving head, an electrical motor of the magnetic type for actuating said shaving head, said motor comprising a make and break mechanism, and means for illuminating the area to be shaved connected across the make and break mechanism whereby it will serve to absorb the current surges on the making and breaking of said mechanism.

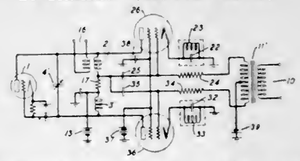
2,278,062
SELF-LOCKING BOLT WITH ELASTIC WASHERS OF VARIABLE THICKNESS
Alfredo de Koharovich, Rio de Janeiro, Brazil
Application April 5, 1939, Serial No. 266,169
In Brazil March 2, 1939
4 Claims. (Cl. 151—38)

2. In a bolt and screw lock, a bolt head having a concave washer-engaging surface provided with a series of equally spaced recesses adjacent the periphery thereof, and a single washer having a plurality of upwardly and inwardly extending resilient sectors, the inner ends of said sectors having an upstanding portion of an annular rib adapted to engage the concave surface of the bolt head and be pressed downwardly by said bolt head, said washer also having an annular series of ribs adapted to enter the recesses in the bolt head and recesses adapted to receive the



portions of the bolt head intermediate the recesses of the latter.

2,278,063
FREQUENCY MODULATION SYSTEM
Owen E. De Lange, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,674
17 Claims. (Cl. 179—171.5)



1. A frequency modulation system comprising an oscillator having a parallel resonant circuit for determining the frequency, a resistance in one branch of said circuit, a grid-controlled tube having a grid circuit coupled to said resistance and a plate circuit effectively across said resonant circuit whereby variations in its plate resistance vary the frequency of oscillations produced, means to impress modulating waves upon the grid of said tube, and means to counteract the tendency of the variations in plate resistance of said tube to vary the amplitude of the generated oscillations.

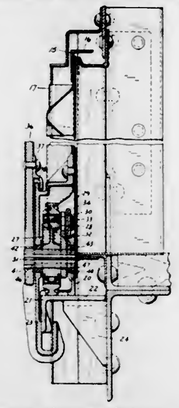
2,278,064
SULPHONATES
Martin de Simó, Piedmont, and John J. O'Connor, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application August 29, 1939, Serial No. 292,444. Divided and this application August 4, 1940, Serial No. 351,440
7 Claims. (Cl. 260—513)

4. A mixture comprising an allyl type primary sulphonate, a rearrangement product thereof and a hydroxy sulphonate obtainable by reacting an aliphatic allyl type primary mono-chloride having at least five and less than twenty carbon atoms per molecule with sodium sulphite.

2,278,065
SLIDING LIFT DOOR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 2, 1938, Serial No. 243,590
1 Claim. (Cl. 16—99)

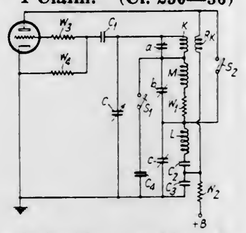
Lift mechanism for a sliding car door embody-

ing a plurality of roller housings, each provided with a roller having a core and a relatively rotatable rim and a pin extending eccentrically through said core and journalled in said housing, said pin being rotatable with said core and an operating lever slidably mounted on one of said pins, each pin being assembled by insertion from the outside of a housing and having a shoulder on the outer portion thereof to limit said insertion, the inner ends of said pins being peened over to prevent disengagement from said housing, a plurality of bearing faces formed sub-



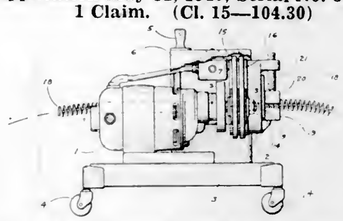
stantially around the periphery of the one pin, a plurality of corresponding internal bearing faces formed on said lever, said lever being subjected to a whipping action during transit of said car, said bearing faces on said lever engaging the bearing faces on said one pin whereby the pressure between said lever and said one pin set up by the whipping action of said lever is distributed over a large area, said lever being removable and selectively re-engageable with said pin to re-establish engagement between said bearing faces in order to compensate for wear which might occur.

2,278,066
LOCAL OSCILLATOR CIRCUIT IN SUPERHETERODYNE RECEIVERS
Kurt Domack and Karl Eisele, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 5, 1940, Serial No. 338,830
In Germany November 2, 1938
1 Claim. (Cl. 250—36)



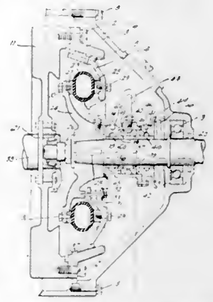
In a superheterodyne receiver for the reception of short, medium and long waves, a local oscillator circuit utilizing a tube having at least a cathode, grid and anode, a tunable oscillation circuit connected between grid and cathode comprising short, medium and long wave coils and a pair of padding condensers connected in series and a variable tuning condenser in shunt across said coils and padding condensers, a feed-back coil in coupling relation to only the short wave coil connected at one end to the anode and at the other end to the common terminal of the padding condensers, a source of potential having positive and negative terminals, the positive terminal being connected to said common terminal of the padding condensers and the negative terminal being connected to the cathode of the oscillator, a first switch connected from cathode to the junction between the short and medium wave coils, and a second switch connected from the anode side of the feed-back coil to the junction between the medium and long wave coils, the arrangement being such that with both switches open the circuit will oscillate in the long wave band, with only the first mentioned switch closed the circuit will oscillate in the short wave band, and with only the second mentioned switch closed the circuit will oscillate in the medium wave band.

2,278,067
SEWER CLEANER
William M. Emery, Cleveland Heights, Ohio, assignor to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1940, Serial No. 338,145
1 Claim. (Cl. 15—104.30)



In a sewer cleaning apparatus, in combination, driving means, a driven spindle, a chuck in said spindle and off the center of rotation thereof, a snake adapted to pass through said spindle and to be held by said chuck, said off center chuck being adapted to give said snake a bodily flopping spiral motion in addition to its rotation.

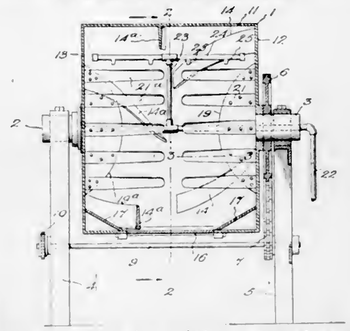
2,278,068
ASSEMBLY FOR CLUTCHES, BRAKES, AND THE LIKE
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick General Company, Inc., Akron, Ohio, a corporation of Indiana
Original application September 19, 1936, Serial No. 101,638. Divided and this application January 14, 1941, Serial No. 374,365
6 Claims. (Cl. 192—88)



1. An assembly of the character described com-

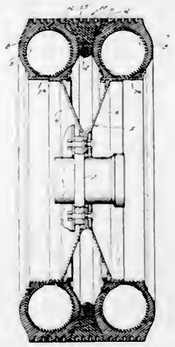
prising two mating structures having respective conical faces adapted to be frictionally engaged with each other, one of said structures comprising a fluid-distensible, flexible member for effecting such engagement and rigid members connected in series by, and wholly insulated from each other by, the said flexible member, so that it sustains the entire torque.

2,278,069
APPARATUS FOR MIXING MINERAL AGGREGATE
Sam E. Finley, Atlanta, Ga.
Application May 22, 1941, Serial No. 394,630
12 Claims. (Cl. 259—175)



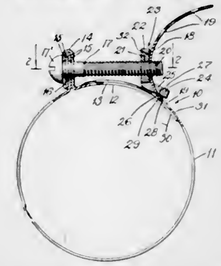
1. An apparatus for mixing mineral aggregate comprising a drum mounted to rotate on a horizontal axis, lifting blades mounted on the interior of the peripheral wall of said drum, and a plurality of fingers mounted on the interior of each of the end walls of said drum at different radial distances from the axis of the drum and projecting longitudinally of the drum within the confines thereof to engage with and divide aggregate masses within the drum.

2,278,070
AUXILIARY TREAD FOR DUAL WHEEL ASSEMBLIES
Howard J. Fisher, Crestline, Ohio
Application December 31, 1940, Serial No. 372,667
2 Claims. (Cl. 152—151)



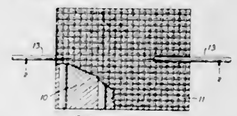
1. In a dual vehicle wheel assembly including a pair of pneumatic tires mounted in spaced relation to each other on a wheel, an annulus of substantially triangular cross-section and adapted for interposition between the tires, said annulus having a transversely plane relatively wide peripheral portion and a cable embedded in the innermost reduced portion of the annulus, the center of the cable and the center of the tires being substantially equidistant from the axis of the wheel for reinforcing the innermost reduced portion of the annulus at the narrowest point between the adjacent side walls of the tires to increase the transverse rigidity of the innermost reduced portion of the annulus and to adapt the same to resist compressing action by the internal pressure in the tires, the wider portion of the annulus being responsive to internal pressure of the tires for compressing said wider portion of the annulus and wedging the annulus in position between the tires.

2,278,071
HOSE CLAMP
Harold Gass, New York, N. Y.
Application August 29, 1941, Serial No. 408,724
3 Claims. (Cl. 24—19)



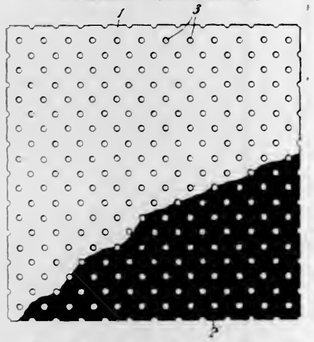
1. In a hose clamp, an annular strap including perforated supporting means, said strap having an inner end and an outer end movable towards or away from each other, said outer end including a plurality of spaced openings, a threaded bolt removably sustained by said supporting means, and a bracket having an upper upstanding leg and a lower leg inclined downwardly and outwardly in respect to said upstanding leg, the latter having means to adjustably receive the threaded shank of said bolt whereby the latter enters one of said openings to prevent slackening of said strap, said lower leg including a gap for receiving said outer end and having a corner portion bounding said gap, said corner portion on rotation of said shank in one direction cooperating with said outer end to urge the latter tightly towards said inner end to prevent longitudinal slippage of said ends in opposite directions.

2,278,072
ELECTRICAL RESISTANCE DEVICE AND METHOD OF MANUFACTURE THEREOF
Harold L. B. Gould, Towaco, and Burton A. Kingsbury, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1939, Serial No. 277,126
7 Claims. (Cl. 201—76)



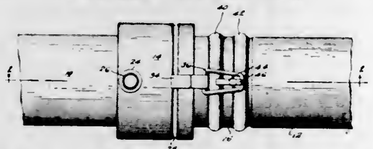
1. A high positive resistance-temperature coefficient resistor unit comprising a body of finely divided, pressed chromic oxide heat treated in air at a temperature below 700° C., and electrodes attached to spaced portions of said body.

2,278,073
PROJECTION SCREEN
Thomas Smith Harkness, London, England
Application January 20, 1939, Serial No. 251,895
In Great Britain July 25, 1938
1 Claim. (Cl. 88—24)



A method of fabrication of projection screens for talking motion picture reproducing systems, comprising perforating a sheet of wire gauze of small mesh to provide for the passage of sound therethrough, and then spraying the wire gauze with a surfacing composition at a pressure to fill in the meshes of the wire gauze and to pass through the perforations.

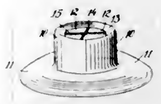
2,278,074
FLEXIBLE PIPE JOINT
George F. Hauf, River Forest, Ill.
Application August 2, 1940, Serial No. 349,535
4 Claims. (Cl. 285—170)



1. A flexible pipe coupling comprising a pipe member having a rigid, accurately formed cylindrical sleeve connected thereto and extending therefrom said sleeve having an upstanding circular ridge thereon spaced from the end, a second pipe member having an enlarged, rigid, accurately formed cylindrical collar member connected thereto and extended therefrom, said collar member having a transverse front wall, a circular groove in said collar spaced from said front wall, an enlarged circular opening in said front wall to loosely receive said sleeve but not the circular ridge thereon and a resilient circular gasket positioned in said collar member against the front wall thereof, said gasket having a lip tapering to a feather edge adapted to be stretched when the sleeve is inserted into said collar, said gasket substantially V-shaped in cross-section with its base against the front wall of said collar and the other lip thereof against said circular groove, and a quick-detachable pivotally mounted connector for holding said pipe members against separation.

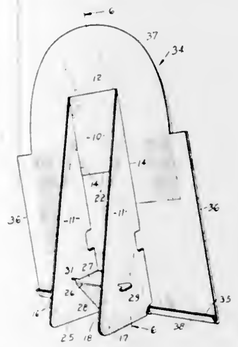
2,278,075
HOLDING DEVICE FOR TOWELS AND THE LIKE OBJECTS
Ernest H. Hecht, New York, N. Y.
Application February 5, 1941, Serial No. 377,441
2 Claims. (Cl. 248—206)

2. A rubber holder for towels or the like objects comprising a hollow body, a plurality of flaps integral with one end of said body and arranged to substantially close the opening in said body, said flaps being normally flush with each



other, and a suction cup integral with the other end of said hollow body, said flaps being adapted to be pushed into the space within said body for yieldingly retaining an object pushed thereinto.

2,278,076
DISPLAY POSTER
John V. Horr, Hastings on Hudson, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application August 22, 1940, Serial No. 353,619
8 Claims. (Cl. 40—124.1)

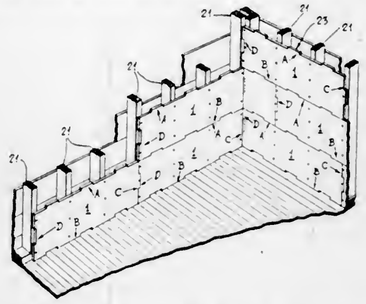


4. In a display poster, a reversible display panel, an easel of substantially triangular shape presenting opposite upwardly converging sides against either of which the panel may rest in a leaning upright position, and a link hingedly connecting the lower edge of the panel to a midportion of said easel, whereby the panel may be swung into a position in which it rests on one side of said easel with one of its faces displayed, or into a position in which it rests on the other side of said easel with its other face displayed.

2,278,077
INTERLOCKING LATH
Fay Jockisch, Inglewood, Calif., assignor of twenty per cent to Robert B. Lundy and Marie Lundy, Inglewood, Calif., as joint tenants; thirty per cent to Lester E. Hoff and Eva M. Hoff, Los Angeles, Calif., as joint tenants; and five per cent to Arthur F. Larrabee, Los Angeles, Calif.
Application June 20, 1938, Serial No. 214,634
4 Claims. (Cl. 72—124)

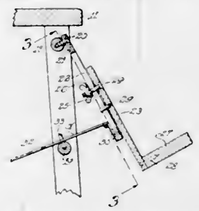
3. A lath slab having along one longer edge a plurality of tongues separated by grooves of greater extent than said tongues, and along the opposite edge a plurality of tongues of a length approximating the length of the grooves of the

former edge, and said tongues being separated by grooves fitting the tongues of said former edge,
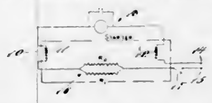


and having tongues and grooves at the corners thereof of substantially the same extent.

2,278,078
CHAIR
Herbert M. Kahn, Appleton, Wis.
Application July 22, 1940, Serial No. 346,696
2 Claims. (Cl. 155—171)



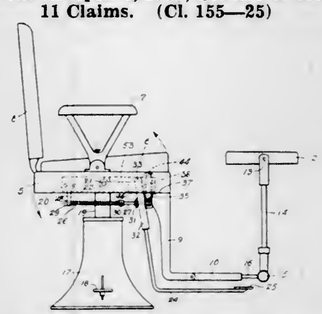
1. In a chair having a seat supported on front and rear legs, and a rotatable rung connecting said front legs, a board mounted on said rung and provided with a pair of vertical slots, a second board having a foot rest overlying said first board, guide pins on said second board extending into the slots of said first board, and screws in said second board having countersunk heads and extending through said board slots to receive nuts to be adjustably secured to said first mentioned board.

2,278,079
LAG VOLTAGE CONTROLLER AND DISCHARGE LAMP CIRCUIT
Joseph J. Knouse, Salem, and Richard S. Stone, Lynn, Mass., assignors to Bruce A. Coffin, Peabody, Mass.
Application November 18, 1941, Serial No. 419,584
10 Claims. (Cl. 176—124)



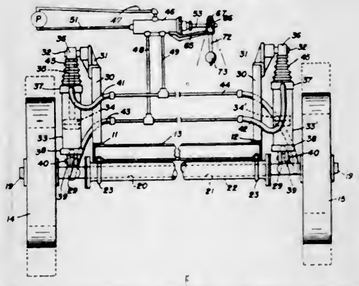
5. The combination with a source of electrical energy a load designed to operate at a voltage below that of said source of energy, means for causing a voltage drop in said line between said source and line comprising a resistance unit having therein unequal resistances connected in parallel, a shunt circuit across said load, and means for making and breaking said shunt circuit so arranged as to break said shunt circuit upon operation of said load and re-establish said circuit upon inoperation of said load.

2,278,080
TILTING STRUCTURE FOR CHAIRS AND THE LIKE
Frank Koenigkramer and Frederick Koenigkramer, Cincinnati, Ohio
Application April 4, 1939, Serial No. 265,966
11 Claims. (Cl. 155—25)



8. A chiropody chair or the like, comprising in combination a stationary base, a chair frame, and means including a rotatable head on the base supporting the chair frame for rotation bodily relative to the base and for tilting movement in a vertical plane, said frame including a seat portion, an extension depending from the seat portion, a forwardly directed step on the lower end of the extension, and a foot rest mount located forwardly of the step, a clutch associated with the frame and the head for holding said frame and head in different relative positions of tilt, and a clutch actuator lever including means to operate the clutch, said lever having opposite ends, one being a free end normally accessible and located in the region of the foot rest mount, and the other end thereof being supported by the rotatable head for bodily movement rotationally with the head, independently of tilting movements of the chair frame.

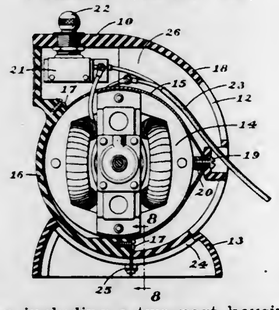
2,278,081
LEVELING MECHANISM
Harold Kramer, Odessa, Wash., assignor of one-half to Elmer H. Hays, Spokane, Wash.
Application September 29, 1939, Serial No. 297,101
8 Claims. (Cl. 280—6)



1. In a harvesting vehicle having a frame supporting bell crank axles and wheels journaled for rotation on said axles, a hydraulic leveling device comprising cylinders having expansible chambers and also pivotally attached between said axles and said frame for variable vertical spacing of said axles with relation to said frame, a gravity actuated hydraulic supply valve connected to said cylinders so that operation of the valve to one side will permit the influx of hydraulic fluid to the top of one of said cylinders

and to the bottom of the other of said cylinders while at the same time permitting the efflux of discharged hydraulic fluid from said cylinders.

2,278,082
FAN
Gustaf Einar Lofgren, Riverside, Conn.
Application September 21, 1939, Serial No. 295,862
7 Claims. (Cl. 230—117)



1. A fan including a two-part housing having an inlet opening and an outlet opening, a motor secured to one part of said housing, a switch secured to the other part of said housing, means connecting said motor to said switch, fan blades carried by said motor for producing a flow of air by centrifugal action, a base having a slot adapted to receive a projecting portion of said housing, and spring means to lock said projecting portion to said base to frictionally hold said housing in any desired position on said base.

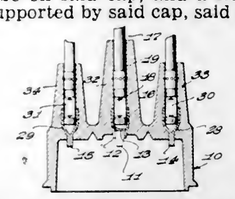
2,278,083
CONTAINER PROTECTING CUSHION AND/OR CONTAINER
Joseph N. Lowe, New York, N. Y.
Application May 29, 1939, Serial No. 276,291
1 Claim. (Cl. 206—8)



The combination with a container, of a continuous protecting ring therefor of elastic cushioning material stretched snugly upon and around the encircling wall of the container and having an annular groove in its inner face, said wall having protruding retaining means engaging in the groove, a strip of less stretchable material than the ring and carried above said groove by the inner face of the ring, and means for separately and firmly tightening the strip around said wall to supplement the holding action of said protruding means and the ring.

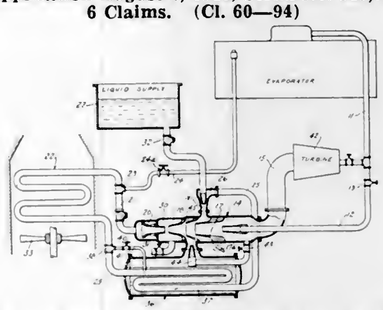
2,278,084
INDICATING DEVICE
Theard L. Mayeux and Harold A. Levey, New Orleans, La.; said Levey assignor to N. J. Clesi, New Orleans, La.
Application April 25, 1941, Serial No. 390,430
5 Claims. (Cl. 175—183)

1. In combination, a distributor cap for an automotive ignition system, an indicating tube connected in the circuit of the ignition system and adapted to glow upon the passage of the ignition current therethrough, a seat for said indicating tube on said cap, and a housing about said tube supported by said cap, said housing and



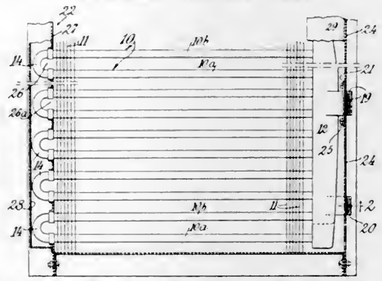
cap being integrally formed from a plastic material of sufficient transparency to render visible the glow of said tube therethrough.

2,278,085
APPARATUS FOR VAPOR CONDENSATION
Rudolf M. Ostermann, Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y.
Application August 2, 1940, Serial No. 349,831
6 Claims. (Cl. 60—94)



1. In a steam plant having a boiler, a water supply, an injector for feeding water to the boiler, means for admitting steam at low pressure to the injector, and means for admitting a variable supply of water to the injector; means for recirculating part of the water delivered by the injector to the water inlet thereof so as to recuperate the mechanical energy of the recirculated water for aiding the jet action of the injector; and an air cooled heat exchanger for cooling the recirculated water between the point of issue from the injector delivery and the point of re-entrance into the water passages of the injector.

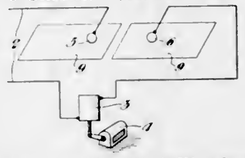
2,278,086
EXTENDED SURFACE HEAT EXCHANGER
Edward S. Lea, Morrisville, Pa., assignor to Buensod-Stacey Air Conditioning, Incorporated, New York, N. Y., a corporation of Delaware
Application January 2, 1940, Serial No. 312,007
5 Claims. (Cl. 257—144)



1. A heat exchange unit including a plurality

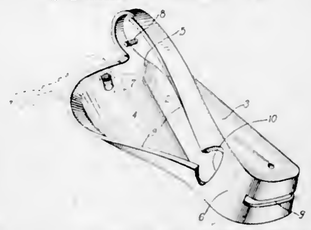
of heat transfer tubes, each comprising a pair of substantially straight leg portions and a return bend portion, and supply and discharge headers arranged in substantially superposed relation, said tubes having their return bend portions and substantially all of their leg portions arranged in a single row, which is horizontally disposed when said headers are horizontally disposed, each of said tubes having one leg portion connected to said supply header and the other to said discharge header with one of said legs having a short end portion disposed at an angle to the remaining portion to facilitate its connection to the appropriate one of said headers.

2,278,087
MEANS FOR ACTUATING ELECTRICALLY CONTROLLED MECHANISMS
William H. McLaughlin and George H. Rendel, Gary, Ind.
Application October 26, 1939, Serial No. 301,512
3 Claims. (Cl. 235—98)



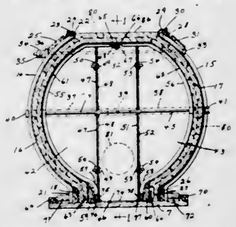
1. Means for counting metallic sheets and the like including, in combination, a conveyer, a counting device, electrical means for actuating said counting device, a pair of spaced apart contacting members arranged one in front of the other and with which the sheets are adapted to contact as they pass successively therealong, a circuit including said electrical means, said contacting members and a sheet when bridging said contacting members, each of said sheets closing the circuit therethrough as they pass successively in contact with both of said contacting members thereby conditioning the circuit so that the circuit is completed through the contacting members and each of the sheets successively as they pass therealong thereby intermittently actuating said electrical means in said circuit which in turn actuates said counting device to count the sheets.

2,278,088
KEY HOLDER
Peter G. Nelson, Cleveland Heights, Ohio
Application October 9, 1939, Serial No. 298,565
2 Claims. (Cl. 150—90)



2. A key case formed of resilient material and comprising as a unitary structure an elongated hollow and substantially flat body having side walls each slit longitudinally from a point at opposed ends of the case, said slits extending to a point near the respective opposite ends of the case, and terminating in a transverse slit to facilitate easy access to the interior of the case upon the application of a longitudinal pressure against the case ends, a wall extending diagonally within the case body from a point near one transverse slit to the other transverse slit to provide within the case a pair of overlying key compartments, said transverse slits each being formed in the side walls of the body and on opposite sides of said diagonal wall, and means in the enlarged end of each compartment for pivotally holding a plurality of keys therein.

2,278,089
FORM FOR SEPTIC TANKS
Mark C. Nottingham, Temple City, Calif.
Application October 7, 1940, Serial No. 360,096
2 Claims. (Cl. 25—130)



1. In a form for casting tanks, outer wall members spaced apart at the top thereof to form an opening therebetween and having externally reverting flanges along said opening to form smooth side edges therefor and external lengthwise ribs, reinforcing members along the inner and outer surfaces of said wall members at the ends thereof, bulkheads at opposite ends of the form inwardly of, and against, the inner reinforcing members, clamping bolts extending transversely through the reinforcing members externally of the bulkheads, and beams lengthwise of the said wall members and wedged by said clamping bolts in reinforcing relation against the lengthwise ribs of the members, to thus simultaneously clamp the wall members against the bulkheads and brace the upper flanged edges of the side members.

2,278,090
METHOD OF THIODIGLYCOL PRODUCTION
Donald F. Othmer, Coudersport, Pa., and Donald Q. Kern, Brooklyn, N. Y.
No Drawing. Application February 3, 1940, Serial No. 317,120
22 Claims. (Cl. 260—609)

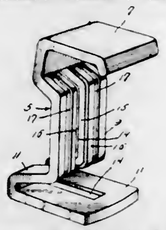
1. The method of manufacturing thiodiglycol which includes the steps of introducing gaseous ethylene oxide and hydrogen sulphide into a solvent liquid in a countercurrent gas absorption tower under conditions of super-atmospheric pressure, and wherein the solvent liquid is introduced at an upper level of the tower and the gases at a level therebelow, and wherein solution of thiodiglycol in the solvent is withdrawn at a level below the feed level of the solvent.

16. The method of manufacturing thiodiglycol under anhydrous conditions which includes dissolving hydrogen sulphide into liquid ethylene oxide in a pressure vessel under conditions of heat and relatively substantial pressure.

2,278,091
GUARD
Rex D. Patrick and Bill Economopulos, Bluefield, Va.
Application September 25, 1941, Serial No. 412,332
7 Claims. (Cl. 30—1)

1. In a guard, a protecting member shaped to

fit work to be cut by a hand operated tool and having a tool slot exposing a portion of the work to be cut and receiving the tool for action on said work and guidance relative thereto with only



sufficient clearance for the tool to prevent hindrance of the movement of the tool and thereby permitting said member to act in preventing cuttings from the work striking an operator of the tool.

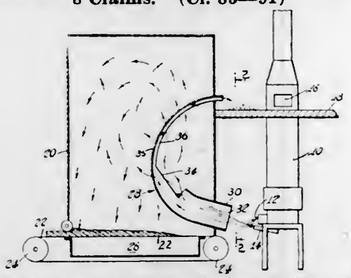
2,278,092

APPARATUS FOR THE MANUFACTURE OF MINERAL WOOL

Gale T. Pearce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application July 14, 1939, Serial No. 284,439

8 Claims. (Cl. 83—91)



1. In an apparatus for the production of mineral wool having means for melting raw mineral wool forming material and converting the same into fibres and solid particles suspended in a stream of a fluid medium moving at a high velocity, a fibre settling chamber, and a device including a portion in alignment with said stream for receiving said stream and leading the same into said settling chamber and an open-sided trough portion connected thereto and directly in the path of said stream and crossing the same and arranged to receive said particles and lead the same from said fibre settling chamber.

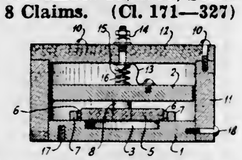
2,278,093

CRYSTAL HOLDER

Harold O. Peterson and Paul V. Winans, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application November 10, 1939, Serial No. 303,720

8 Claims. (Cl. 171—327)



3. A piezo-electric crystal holder comprising an upper electrode, a lower electrode spaced from said upper electrode, a rectilinear crystal, means including a depressed aperture in said lower electrode, the area of which is such that at least two corners of the crystal rest above said aperture, and a drop of cement located at at least two corners of said crystal to retain it in position on said lower electrode.

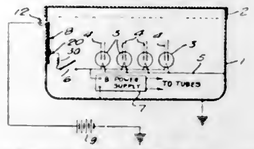
2,278,094

RADIO RECEIVING APPARATUS

Marion J. Pifer, Williamsville, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York

Application March 7, 1940, Serial No. 322,709

7 Claims. (Cl. 250—20)



3. A new article of manufacture consisting of a condenser plate and shield therefor, constructed and arranged to be secured to a conducting plate and to form therewith an inductanceless condenser, formed of a shielding plate having a tubular extension at one end thereof, a conducting plate positioned upon said shielding plate and insulated therefrom and having a finger extending through said tubular extension and having another finger at the opposite end thereof extending through an opening in said shielding plate.

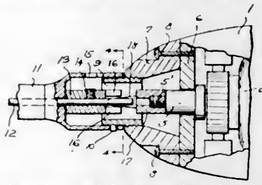
2,278,095

ELECTRICAL TOOTHBRUSH

Loven Hugh Rogers, Del Rio, Tex.

Application June 13, 1941, Serial No. 397,955

1 Claim. (Cl. 15—28)



In combination with a casing having a motor therein and a handle member detachably connected with the casing and having a shaft therein, a sleeve detachably connected with the motor shaft and having a pair of oppositely arranged prongs projecting from its outer end, a second sleeve through which the inner end of the shaft in the handle member passes, a screw for adjustably and detachably connecting the second sleeve to the last-mentioned shaft and a pair of prongs on the second sleeve for interlocking with the prongs of the first sleeve when the handle member is connected with the motor casing, whereby the shaft in the handle member is rotated from the motor, said prongs tapering to the free ends.

2,278,096

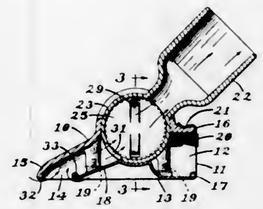
SUCTION NOZZLE

Adrian E. Ross, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application January 12, 1940, Serial No. 313,521

4 Claims. (Cl. 15—156)

1. A duplex suction nozzle including a hollow body member, a flat face on said body member having an elongated suction opening, a second face on said body member extending at an angle to said first face having a dissimilar suction opening, a tubular handle socket pivotally connected to said body on an axis parallel to the



lengthwise extent of said elongated suction opening, and friction means secured to said socket for holding said socket member in position relative to said body member in communication with one or the other of said suction openings.

2,278,097

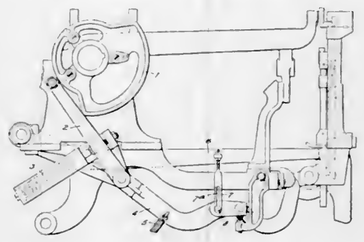
TYPOGRAPHICAL SLUG CASTING MACHINE

Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company

Application May 8, 1940, Serial No. 333,932

In Great Britain May 15, 1939

11 Claims. (Cl. 199—51)



1. In a typographical slug casting machine of the kind referred to, equipped with vise jaws for clamping a composed matrix line in casting position, the combination with quadding mechanism and justification mechanism for said matrix line, of means for applying additional actuating power to the quadding mechanism in the event of excessive movement of the justification mechanism.

2,278,098

TYPOGRAPHICAL COMPOSING MACHINE

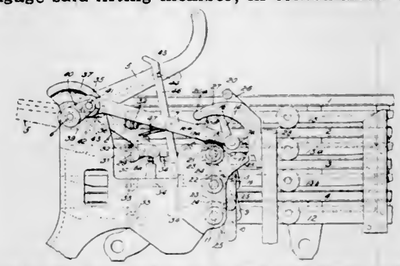
Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company

Application December 10, 1940, Serial No. 369,406

In Great Britain December 21, 1939

20 Claims. (Cl. 199—46)

1. In a typographical composing machine having a plurality of magazines adjustable columnwise, spreading mechanism including at least one lifting member pivotally secured to the top magazine and a securing member on at least one other magazine above the lowest adapted to engage said lifting member, in combination with



automatic means for engaging said lifting member and said securing member.

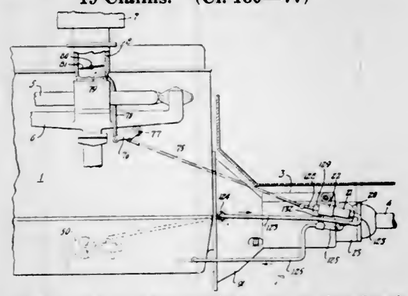
2,278,099

SPEED GOVERNING SYSTEM

David S. Bennetch, Sheridan, Pa.

Original application July 6, 1939, Serial No. 282,982. Divided and this application May 17, 1940, Serial No. 335,816

19 Claims. (Cl. 180—77)



5. In an automotive vehicle, an engine having a carburetor and throttle, a propeller shaft, a speed responsive centrifugal governor driven by said propeller shaft, said governor having an actuating element, a converter comprising a main cylinder having a main piston, a source of substantially constant fluid pressure connected to said cylinder, an auxiliary cylinder having an auxiliary piston connected to said actuating element, movement of said main piston exposing varying area of said auxiliary piston to the pressure in said main cylinder, linkage between said main piston and said throttle, whereby to govern prime mover speed proportionally to propeller shaft speed.

2,278,100

SPEED GOVERNING SYSTEM

David S. Bennetch, Sheridan, Pa.

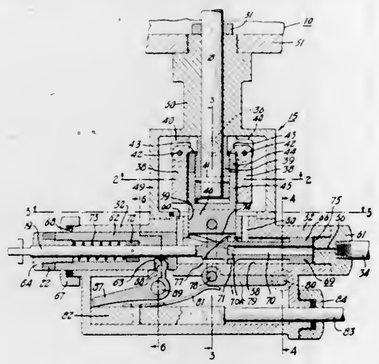
Application August 3, 1940, Serial No. 350,197

17 Claims. (Cl. 264—3)

1. In a governor, a cylinder having a plunger therein, said plunger having a generally triangular cross section and a cylindrical end face, a second cylinder intersecting said first cylinder and having a piston therein and an annular port engaging the cylinder wall of said second cylinder and closely associated with said cylindrical end face, means for supplying said second cylinder with liquid, the leakage between said annular port and said cylindrical end face determining the pressure in said second cylinder for operating said piston.

9. In a speed governing device, a pressure chamber having a main cylinder, an auxiliary

cylinder communicating with said main cylinder, main and auxiliary pistons in said cylinders respectively, a source of substantially constant fluid pressure, a restricted passage connecting said source and said pressure chamber, a speed responsive device connected to said auxiliary piston, means cooperating between said pistons whereby movement of said auxiliary piston causes movement of said main piston and the movement of said main piston changes the area of said auxiliary piston exposed to the pressure in said chamber, a holder having a spindle slidably mounted therein connected to said main piston,



a biasing spring for biasing said main piston against the pressure generated in said chamber, means for adjusting said holder to change the midpoint of movement of said main piston with respect to said auxiliary piston, a main spring opposing the speed responsive force applied to said auxiliary piston, means for adjusting the pressure exerted by said main spring on said auxiliary piston and for adjusting said holder to change the force exerted by the fluid pressure on said auxiliary piston to correspond to the change in speed responsive force at the different set governor speeds.

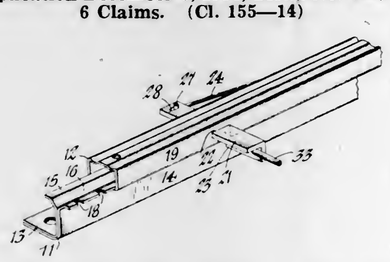
2,278,101

SLIDING SEAT MOUNTING FOR VEHICLES

Montague P. Browne, Buffalo, N. Y., assignor to Mechanical Devices Corporation of America, Buffalo, N. Y., a corporation of New York

Application December 6, 1934, Serial No. 756,296

6 Claims. (Cl. 155—14)



5. As an article of manufacture, a seat support adapted to be fastened to a floor and to the bottom of a seat, said support comprising a track arranged to be fastened to the floor, said track having oppositely directed longitudinal flanges on the top thereof, a slide of inverted channel cross-section arranged to be fastened by its top wall to the bottom of a seat in alignment with the track and having guide portions on the side walls engaging the flanges, a latch mounted on said slide for reciprocation transversely with respect to the longitudinal flanges and having portions arranged to engage in notches provided therefor in the longitudinal edge of one of said flanges in longitudinally spaced relation, one end of said latch projecting from the side of the slide, a substantially straight spring hooked at one end for detachable bearing engagement in an opening provided therefor in the side wall of the slide and having its free end arranged to engage in a slot provided therefor in the projecting portion of said latch, said spring tending normally to move the latch in one direction, and manually operable means for moving the latch in the other direction.

2,278,102

TOOL FOR HANDLING RAILS AND THE LIKE

Floyd E. Davis, Gary, Ind.

Application February 24, 1941, Serial No. 380,359

6 Claims. (Cl. 294—15)



1. A tool of the class described consisting of a longitudinally extending handle portion, one end of said handle portion being bifurcated so as to provide a pair of outwardly extending spaced apart prongs with one of said prongs being longer than the other and out of alignment relative thereto.

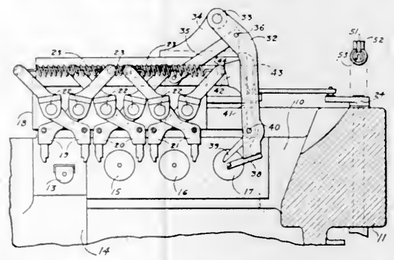
2,278,103

TRANSFER MECHANISM FOR MULTIPLE STATION HEADERS

John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Application May 6, 1941, Serial No. 392,078

19 Claims. (Cl. 10—12)



1. In a machine having a bed frame, a reciprocating slide, a die on said bed frame, a cooperating tool on said slide, and means for supplying blanks to said die to be worked upon by said tool; a transfer mechanism comprising an arm carrying gripping fingers, said arm being pivoted at a relatively stationary point above said die for swinging movement in a plane transverse to the direction of movement of said slide, said arm being swingable to a position with said fingers aligned with said die to receive a blank ejected therefrom, and to a position laterally out of the path of said slide and above said frame, a guideway for blanks supported by said frame, and means for transferring blanks from said fingers to said guideway when said arm is in said last mentioned position.

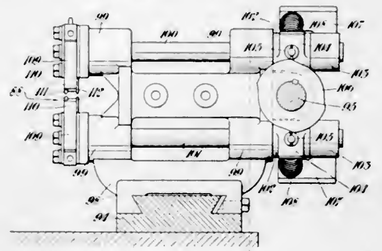
2,278,104

WIRE FABRIC DEVICE

Noah S. Harter, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Original application October 13, 1938, Serial No. 234,853. Divided and this application November 22, 1940, Serial No. 366,759

1 Claim. (Cl. 219—4)



In a selvaging device: a welding tool comprising a pair of horizontally journaled, parallel shafts; a tangential extension carried by each shaft so that the terminal portions of each extension aligns in the vertical with the other thereof; a collar fixed to each shaft; a free-running collar disposed adjacent each fixed collar; a lug on each fixed collar extending into alignment with a lug on each free-running collar circumferentially of their respective shafts; a compression spring disposed between the lugs of adjacent collars on the same shaft, a stud projecting from each free-running collar carrying a roller, and a cam coacting with said rollers effective to rock said free-running collars, the assemblage being so coordinated that the motion imparted by the cam is transmitted through said springs to said fixed collars and thence to said shafts, whereby compensation is automatically made for variations in the thickness of material acted upon by the said extensions.

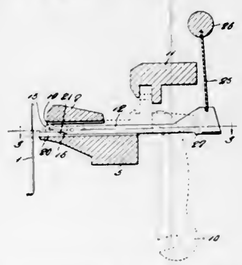
2,278,105

KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania

Application September 26, 1940, Serial No. 358,533

13 Claims. (Cl. 66—102)



1. In a full fashioned knitting machine having spring beard knitting needles and sinkers and dividers, the combination of a presser element disposed between a sinker and divider and of a length to extend from a point adjacent a needle to a point beyond the rear of the sinkers and dividers, and means acting upon the rearward part of said presser element to urge it toward or away from the needle.

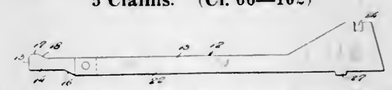
2,278,106

KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania

Original application September 26, 1940, Serial No. 358,533. Divided and this application July 2, 1941, Serial No. 400,838

5 Claims. (Cl. 66—102)



1. A presser element for spring beard knitting needles comprising an elongated strip-like portion and a widened head portion of uniform width from top to bottom of the element, said head portion presenting a pressing face at an extreme end of the element for substantially the full width and height of the head portion, a side face of the element being flush from end to end of the element.

2,278,107

PROCESS FOR CONCENTRATING ORE MATERIALS

David Walker Jayne, Jr., Old Greenwich, Stephen Edward Erickson, Springdale, and Harold Milton Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 30, 1940, Serial No. 326,953

12 Claims. (Cl. 209—3)

1. In ore concentrating processes utilizing differential surface wettability principles of separating acidic siliceous gangue from non-metallic ore constituents the process which comprises carrying out the concentration operation in the presence of products obtained by reacting organic sulfonic acid salts of amino alcohols having at least one free hydroxy group with a fatty acid having at least 8 carbon atoms.

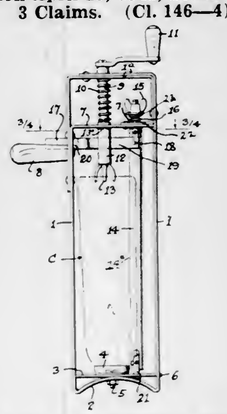
2,278,108

GREEN CORN TRIMMER

Richard L. Joyce, Ballsville, Va.

Application April 19, 1941, Serial No. 389,444

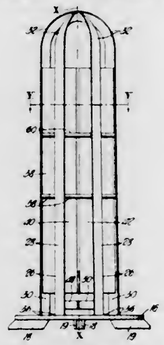
3 Claims. (Cl. 146—4)



1. In a green corn trimmer, the combination of a main frame, a cob cup carried by the bottom of the main frame, a cylindrical shaft longitudinally slidable in the transverse bars at the top of the main frame, corn engaging tines carried by the said shaft at its lower end, a crank

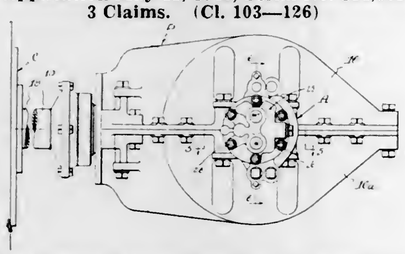
affixed to and adapted for rotating the shaft, a spring tending to hold the shaft in its lowermost position, a handle affixed to the main frame for holding same, a corn-trimming blade extending longitudinally of the main frame and swingably mounted on same, a bar affixed to the said corn trimming blade near one end and terminating in an offset handle in proximity to the handle affixed to the main frame, whereby the position of the corn trimming blade can be controlled by one of the fingers of the hand which grasps the handle affixed to the main frame.

2,278,109
COIL SUPPORTING ARBOR
Ira C. Karp, Cleveland, Ohio, and Henry Witt Campbell, Library, Pa., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 10, 1941, Serial No. 401,874
6 Claims. (Cl. 263—47)



1. An arbor of the character described comprising a plate metal base, a plurality of flanged metal uprights rising therefrom, bracing members at different elevations joining said uprights, and means connecting the uprights together at their upper extremities.

2,278,110
LUBRICATING PUMP
James W. Kinnucan, Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation, a corporation of Virginia
Application May 11, 1940, Serial No. 334,675
3 Claims. (Cl. 103—126)



1. A reversing liquid gear pump assembly comprising a plurality of complementary pump casing portions, one of said casing portions having an inlet port and an outlet port, said portions having interconnecting passages constructed to provide continuous passages for the flow of liquid in the same direction from said inlet port successively through said casing portions and thence returning same successively through said casing portions to said outlet port, gear pumps supported within at least two of said casing portions, and a drive shaft drivingly connected with said gear pumps, one of said casing portions including the gear pump carried thereby constructed for angular adjustment through an angle of 180 degrees about an axis normal to the drive shaft axis while another of said casing portions including the gear pump carried thereby is constructed for angular adjustment through an angle of 180 degrees about the drive shaft axis, whereby to adapt said pump assembly for reverse rotation of said drive shaft.

2,278,111
TOOL FOR AIR PRESSURE RELEASE BARS OF ELEVATOR DOORS
Gwendolyn A. Kleinpell, Los Angeles, Calif.
Application March 12, 1941, Serial No. 382,990
1 Claim. (Cl. 240—6.46)



A tool of the class described comprising a tubular member, a rod telescopically mounted in one end of the member, means for limiting the telescopic movement of the rod relative to the member, a handle at the inner end of the rod, an arm projecting laterally from the member adjacent its outer end and curved in the direction of said outer end of the shank to form a U-shaped hook at one side of the shank adapted to receive a lock-hook of an elevator door mechanism for releasing the same, an electric lamp mounted in the outer end of the member, said lamp being included in an electric circuit contained in the member, and a switch for the lamp carried by the rod adjacent the handle.

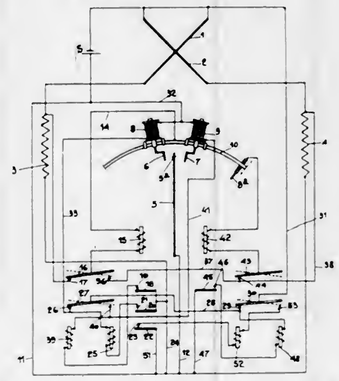
2,278,112
HAIR DRYING APPLIANCE
Joseph Matys, Southbridge, Mass.
Original application April 29, 1937, Serial No. 139,785. Divided and this application November 25, 1940, Serial No. 367,112
9 Claims. (Cl. 34—100)

9. In a hair drying appliance, a frame having a plurality of tubular conduits, the said conduits being shaped to conform to the head and provided with apertures at the inner side, a second frame having a plurality of conduits adapted to extend over and across the conduits of the first frame, a plurality of nozzles connected to and extending inwardly from the conduit of the outer frame, and means connected with the first mentioned inner frame for forcing heated air through the apertures therein and for creating



suction to withdraw air through the nozzles of the outer frame.

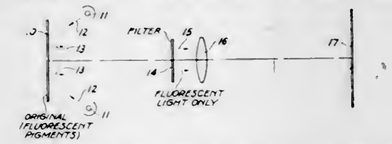
2,278,113
GALVANOMETER CONTACT DEVICE
Henri Moreau, Paris, France
Application October 30, 1936, Serial No. 108,387
In France November 6, 1935
3 Claims. (Cl. 200—56)



1. In a galvanometer, a pointer, contact points on said pointer, conducting contact pieces adapted to close electric circuits when they are engaged by said points, electromagnets, having movable armatures which support said contact pieces for the electromagnetic control of said armatures, in order to move the contact pieces relatively to the paths followed by the contact points, and means for moving said electromagnets parallel to the paths followed by said contact points.

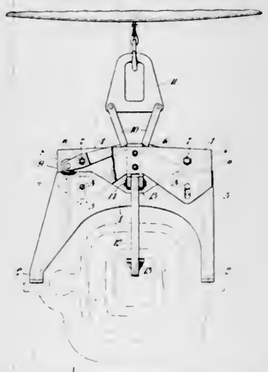
2,278,114
PHOTOMECHANICAL PROCESS
Alexander Murray and John A. C. Yule, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 5, 1940, Serial No. 328,066
4 Claims. (Cl. 95—2)

1. The method of producing color separation positives for use in a photomechanical color printing process which comprises creating an original with coloring materials containing three fluorescent ingredients of different fluorescent hues, the relative amounts of each ingredient being proportional to the subtractive color contents of the coloring materials and inversely proportional to the fluorescent efficiency of that ingredient in those materials, placing three photo-



sensitive layers successively in printing relation to the original, illuminating the original with fluoro-activating light, exposing the layers respectively to fluorescent light only of said different hues and developing the layers.

2,278,115
FLASK STRIPPER
Peer D. Nielsen, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
Application January 15, 1941, Serial No. 374,554
2 Claims. (Cl. 22—95)

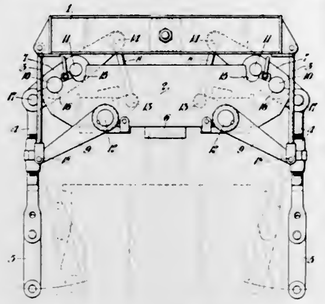


1. A device for stripping a casting from a flask section of the mold in which it was cast consisting of a yoke including mold engaging legs connected by a body portion adapted to straddle the mold, a frame connected to the body portion of the yoke with freedom for limited movement relative thereto, a pair of levers pivoted to said frame and arranged to react against said yoke, a suspension member adapted to be supported from an overhead hoist, respective links connecting said levers with said suspension member, and a casting-engaging element depending from said frame at a point between said legs.

2,278,116
MECHANICAL STRIPPING DEVICE
Peer D. Nielsen, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
Application December 31, 1940, Serial No. 372,629
6 Claims. (Cl. 22—95)

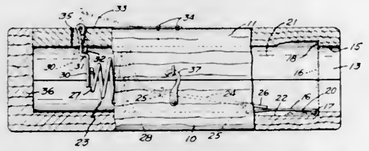
1. A stripping device for separating nested objects from one another, comprising a spreader supported from overhead, a frame movable relatively thereto and having an abutment for engagement with one of the objects to be separated, a multiple lever system carried by the frame and arranged so as to provide a dual set of fulcrums which come into play at different times to effect a change in the mechanical advantage of the

system whereby the magnitude of the stripping force exerted to separate said nested objects is



greatest during the initial stage of the stripping stroke and decreases thereafter.

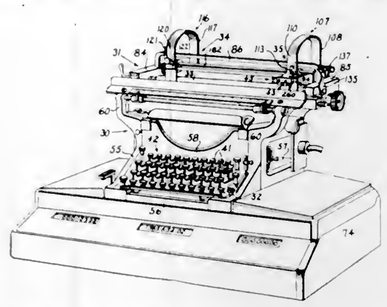
2,278,117
MOLE TRAP
Nicola Perinelli, White Plains, N. Y.
Application March 18, 1941, Serial No. 383,896
4 Claims. (Cl. 43—61)



1. A mole trap of the character described comprising a body forming a compartment open at one end and closed at the other, a closure adjacent the open end tending to move to closed position over the opening, a trigger for holding the closure in open position, and means in the compartment for shifting the trigger to release the closure comprising a substantially conical wire spiral in an upright position across the path of a mole after it enters the compartment and arranged with the base and larger portion of the spiral facing said entrance opening and of a diameter substantially that of the compartment, said base and spiral being larger than the head of a normal sized mole both in length and diameter so the head can freely enter the spiral without the spiral being contacted by the tender nose of the mole and the base of the spiral being of a size smaller than the spread of the strong fossorial forefeet of the mole so as to be engaged by these feet to shift the spiral to release the trigger before the nose contacts the central portion of the spiral.

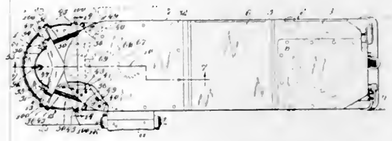
2,278,118
BUSINESS MACHINE
Richard W. Pitman, New York, N. Y., assignor to Underwood Elliott Fisher Company, a corporation of Delaware
Application September 24, 1936, Serial No. 102,389
35 Claims. (Cl. 197—20)

1. In a business machine, in combination, a movable carriage adapted to receive and hold a work sheet, manually selectively operable types to produce type impressions on the sheet, means operable in accordance with movement of certain of the types to produce on the sheet codal representations characteristic of the particular types moved, and means controlled by the codal representations on the sheet for actuating said types to reproduce at a different place on said



sheet a series of type impressions originally produced thereon under manual selection.

2,278,119
CUTTINGS-CONVEYING MECHANISM
Dwight R. Richards, Grantham, England, assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 20, 1939, Serial No. 305,332
14 Claims. (Cl. 262—30)

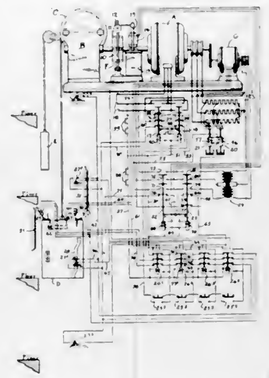


3. A cuttings-conveying mechanism adapted for association with a coal mining machine having a cutter bar carrying an endless circulating cutter chain, comprising in combination, a cuttings-conveying mechanism attachable to the mining machine for removing the cuttings from the neighborhood of the return run of the cutter chain, and means for attaching the conveying mechanism to and supporting the same on the mining machine comprising feet on the lower portion of the conveying mechanism adapted to engage a bottom part of the mining machine and releasable holding devices near the upper part of the conveying mechanism adapted to clamp the latter against the frame of the mining machine with said feet in contact with the lower part of the mining machine.

2,278,120
ELEVATOR CONTROL SYSTEM
Ernst L. Schwarz, Chicago, Ill., assignor to Armour Research Foundation, a corporation of Illinois
Application May 27, 1940, Serial No. 337,331
9 Claims. (Cl. 172—152)

9. In an elevator control system, the combination comprising a load elevating and lowering means, a wound rotor induction motor for elevating and lowering said means, an auxiliary motor of the slip ring type having its rotor mechanically coupled with and driven by said first motor through a speed changing device, said auxiliary motor having its primary electrically connected in parallels with the primary of said first motor, braking means for said first motor including a third induction motor for releasing said brakes, and means selectively operable under

different operating conditions for energizing the primary of said third motor from the primary of

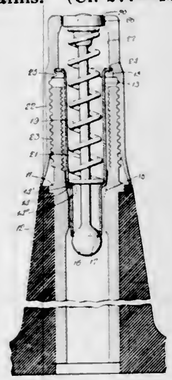


said first motor and from the secondary of said second motor.

2,278,121
FIXTURE FOR ATTACHING BUMPERS OR THE LIKE TO AUTOMOBILE FRAMES
Ercole R. Berluti, Saginaw, Mich.
Application March 21, 1940, Serial No. 325,163
2 Claims. (Cl. 293—55)

1. A clamping assembly for securing a fender guard or like fixture to a vehicle frame member presenting an inwardly projecting substantially horizontal flange and an upright outer face, said assembly consisting of a bracket element comprising a member to bear laterally inward against said upright face of the frame member, a second member formed and adapted to extend transversely beneath and engage the bottom of said frame member and presenting a ramp sloping upwardly to its inner end, a second bracket element formed at its outer end to present a ramp congruous to and adapted to engage slidingly over the ramp of the first bracket element and presenting at its inner end a hook adapted to engage over said flange to bear downward thereon, and outward against said frame member, means to draw said bracket members together comprising a threaded rod bent at its outer end to present a carrying arm for the fender guard adjustable in height and lateral spacing relative to the clamping assembly and frame member, said rod passing through alined bores in said elements extending lengthwise thereof and intersecting said inclined ramps, and nut means on said threaded rod for urging and holding the elements together in clamping relation to the frame.

2,278,122
PNEUMATIC VALVE
Lewis C. Broecker, Nichols, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Original application November 3, 1939, Serial No. 302,661. Divided and this application September 19, 1940, Serial No. 357,345
2 Claims. (Cl. 277—42)



1. In a device of the character described, a tubular member having an external shoulder intermediate its ends, an outwardly extending flange at one end and a reduced portion extending from said external shoulder to the other end of said member and defining an internal shoulder adjacent said external shoulder, a tubular cap rotatably connected to said flanged end of said member and having an interiorly threaded portion adapted to be screwed on to a conventional valve stem of the type having a valve seat therein, the said external shoulder of said member resting on said seat, a spherical valve body adapted to seat against the end of said reduced portion of said tubular member, a pin extending from said valve body through said member and cap and having a head closing the end of said cap, said cap being of larger interior diameter adjacent its end than at its end, and a spring interposed between said internal shoulder and said head, the said spring having its lowermost coil so admeasured as to engage frictionally with the inner surface of said member adjacent said internal shoulder and having its other coils so admeasured as to clear said inner surface.

2,278,123
ANTISPASMODICS
Myron Heyn, Detroit, Mich.
No Drawing. Application January 17, 1939, Serial No. 251,435
9 Claims. (Cl. 167—65)

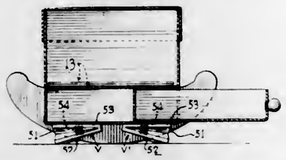
1. A composition adapted to be employed for the relaxation of contractions of muscular tissue comprising (*a*) as an effective ingredient a compound selected from the group consisting of secondary and tertiary amines having the formula



wherein R represents a cycloalkylalkyl radical, X represents a member of the group consisting of the alkyl, alkenyl, cycloalkyl, cycloalkenyl, cycloalkylalkyl, cycloalkenyl-alkyl, alkyl-cycloalkyl, and alkyl-cycloalkylalkyl radicals; Y represents a member of the group consisting of the alkyl, alkenyl, cycloalkyl, cycloalkenyl, cycloal-

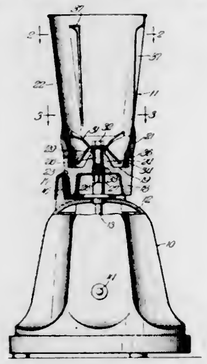
kyl-alkyl, cycloalkenyl-alkyl, alkyl-cycloalkyl, alkyl-cycloalkylalkyl radicals, and hydrogen; and the sum of the carbon atoms in the X and Y of tertiary amines is at least 6; and their salts; and, (*b*) a diluent which is nontoxic and substantially therapeutically inert in the dosages employed.

2,278,124
DOLL CRADLE CONSTRUCTION
Morris Kowinski, New York, N. Y.
Application October 18, 1939, Serial No. 299,945
6 Claims. (Cl. 46—177)



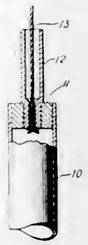
5. In combination, a doll's crib assembly having rockers extending transversely of the ends thereof, a drawer casing mounted on the bottom of said crib between said rockers, bellows means mounted at the bottom of said drawer casing and adapted to engage the floor and be compressed between the said casing and the floor upon rocking of the crib on said rockers, and a sound producing element at said bellows and adapted to be actuated thereby upon each such compression, to utter a cry.

2,278,125
FOOD MIXER
Myron J. Landgraf, Chicago, Ill., assignor to Henry J. Goldblatt, Chicago, Ill.
Application April 27, 1939, Serial No. 270,319
2 Claims. (Cl. 259—108)



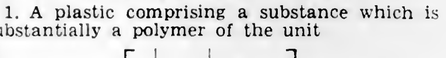
1. In a mixing device of the character described, a bowl member adapted for attachment to a motor housing from which a driving shaft projects upwardly, said bowl member comprising a casting having an apertured horizontal portion, a depending flange portion forming a cup-like lower recess, and an upper flange portion forming a cup-like upper recess, a separate generally tapered member forming side walls of the bowl, said member extending into the cup-like upper recess whereby said tapered member forms the entire side wall of the bowl and the bottom is coincident with a top surface of the horizontal portion of the bowl member casting, a frusto conical member projecting upwardly centrally of the bottom of the bowl, said frusto conical member having an aperture in line with the aperture in said horizontal portion, an impeller shaft extending through said apertures, and an impeller carried thereby immediately above the frusto conical member, the lower portion of the bowl near said impeller being of restricted cross section, and said impeller having a plurality of upwardly and downwardly inclined blades the area of rotation of which substantially fills the said lower portion of the bowl, said generally tapered member forming the side walls being of circular cross section at the lower portion occupied by the impeller and of a non-circular cross section above said lower portion.

2,278,126
SUPPORT FOR TONE TUBES
Carlton L. McMullen, Manchester, Conn., assignor to Carlton Corporation, Manchester, Conn., a corporation of Connecticut
Application December 26, 1940, Serial No. 371,676
10 Claims. (Cl. 84—403)

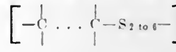


1. In an annunciator in combination, a tone tube, a plug secured within the upper end of said tube, a projection on said plug extending axially of said tube, and a supporting member for said tube extending axially through said plug and projection.

2,278,127
POLYSULPHIDE POLYMERIC PRODUCT
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
Application June 27, 1938, Serial No. 216,088
28 Claims. (Cl. 260—42)



1. A plastic comprising a substance which is substantially a polymer of the unit



where

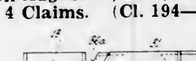


represents carbon atoms joined to and separated by intervening structure and S is a sulphur atom, incorporated with a polymerized butadiene.

2,278,128
DESULPHURIZED POLYSULPHIDE POLYMER AND PROCESS OF MAKING
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application September 18, 1940, Serial No. 357,230
11 Claims. (Cl. 260—79)

1. The process which comprises reacting a desulphurizing agent with a substance which is

substantially a polymer of a unit selected from the group consisting of



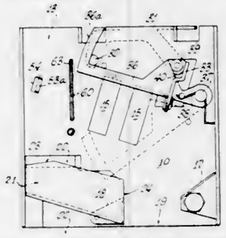
and

where

represents adjacent carbon atoms and

represents carbon atoms separated by and joined to intervening structure.

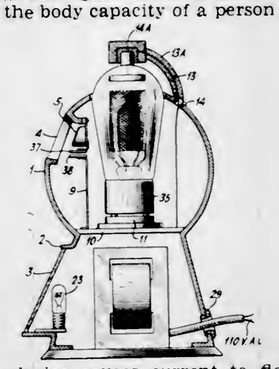
2,278,129
COIN CHUTE
William Patzer and Walter A. Tratsch, Chicago, Ill.
Application August 25, 1939, Serial No. 291,805
4 Claims. (Cl. 194—101)



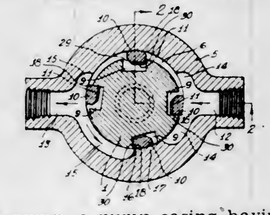
1. In a coin testing device, means providing a coin passage, magnetic testing devices situated at spaced points along said passage in the direction of movement of a coin therealong, one of said magnetic testing devices being movable from a normal position away from the passage to effect release of objects held thereby, and blocking means including a blocking member mounted for movement from a normal ineffective position into blocking position in the passage between said testing devices to block movement of magnetic objects from the field of one of said testing devices into that of another, and means for moving the movable one of said testing devices and said blocking member so that the latter will block movement of objects released by the former.

2,278,130
AUTOMATIC LIGHTER AND DISPLAY DEVICE
Hallan Eugene Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application October 24, 1936, Serial No. 107,374, now Patent No. 2,182,336, dated December 5, 1939. Divided and this application June 6, 1939, Serial No. 277,593
4 Claims. (Cl. 219—32)

2. An automatic lighting device comprising a casing, an aperture located in the upper portion of said casing, an electron discharge device located adjacent said aperture, an electric heating element located in said aperture, an electric display device located below said electron discharge device in the lower portion of said casing, and actuating means including a pair of capacitive electrodes located adjacent said aperture and connected with said electron discharge device whereby the body capacity of a person approaching said device causes current to flow in said heating element and said display device.



2,278,131
PUMP
William T. Livermore, Grosse Pointe, Mich.
Application November 7, 1938, Serial No. 239,199
7 Claims. (Cl. 103—135)

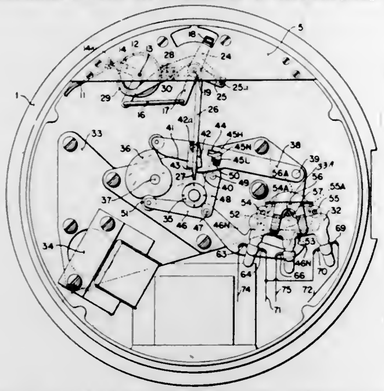


1. In a pump, a pump casing having a pump chamber of cylindrical configuration and having an inlet and outlet positioned on opposite sides thereof, a rotor mounted for rotation in the pump chamber and having a plurality of notches in the periphery thereof, a vane mounted in each of said notches and having circumferential width and radial depth less than the circumferential width and radial depth of said notches, respectively, whereby said vanes are carried in said notches with freedom of circumferential, tilting and radial movement relative to said rotor, each of said vanes having an outer arcuate surface curved on an arc of substantially the same radius as said cylindrical chamber and said vanes having greater circumferential width than radial depth whereby fluid pressure admitted at the under side of said vanes through the space between each vane and the respective notch acts on a greater area on said under side than on the front thereof to insure sealing contact of the arcuate outer face of said vanes along a substantial surface area, the maximum distance between two adjacent vanes and between two adjacent notches of said rotor being less than the maximum distance between the inlet and outlet of said pump casing.

2,278,132
MEASURING AND CONTROL INSTRUMENT
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 4, 1938, Serial No. 188,737
9 Claims. (Cl. 74—1)

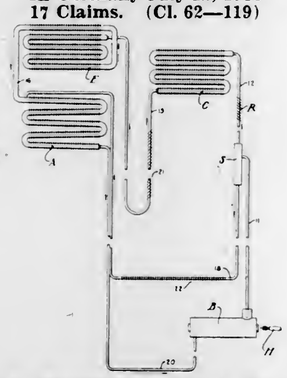
1. In a measuring and control instrument, a

control device, an actuating member adapted to move said control device, a support for said actuating member, a part adapted to be positioned in accordance with the value of a measurable con-



dition, and a single cam to move said support to a predetermined position depending upon that of said part, and to thereafter move said actuating member on its support into cooperating relationship with said control device.

2,278,133
REFRIGERATING SYSTEM
Kurt V. Nesselmann, Berlin-Siemensstadt, Germany, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 26, 1938, Serial No. 192,701
In Germany July 12, 1935
17 Claims. (Cl. 62—119)

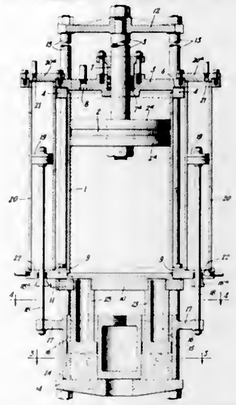


1. In an absorption system a pair of fluids comprising ethylene-bromide and benzyl-alcohol.

2,278,134
RECOVERY OF ANTIMONY
William H. Osborn, New York, N. Y., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 26, 1940, Serial No. 347,641
22 Claims. (Cl. 75—69)

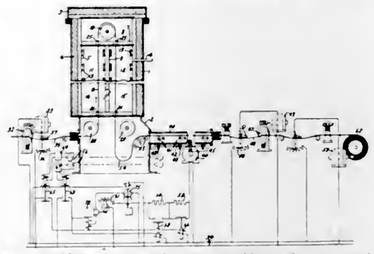
1. In the separation of antimony from mixtures of metals containing it, the steps comprising heating the molten mixture in the presence of a drossing metal, separating the dross from the molten metal, disintegrating the dross and subjecting the dry disintegrated dross to a controlled oxidizing roast to oxidize antimony to antimony trioxide at temperatures at which the antimony trioxide is volatile and below that at which the mass becomes molten.

2,278,135
PRESS
William H. Osborn, New York, N. Y., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,971
17 Claims. (Cl. 266—37)



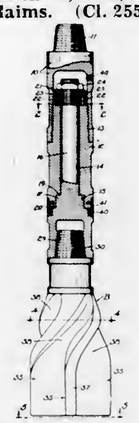
1. In a press, a plunger fixed in relation to the body of the press and extending downwardly therefrom, a mold head surrounding said plunger and movable relative to it, to advance and retract said plunger in said mold head, and a press head movable toward and away from said plunger independently of said mold head, said mold head and press head being actuated by means positioned above the said plunger.

2,278,136
CONTINUOUS STRIP-ANNEALING FURNACE
Albert N. Otis and Francis Mohler, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 27, 1940, Serial No. 367,398
2 Claims. (Cl. 263—3)



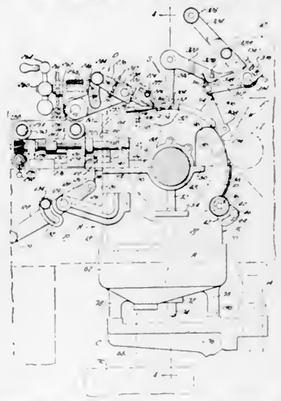
1. A continuous strip-annealing furnace having a vertical heating chamber and a horizontal cooling chamber connecting therewith, a driven roll for suspending a part of said strip vertically in said heating chamber, means for drawing said strip through said cooling chamber from said heating chamber, and means for preventing the vertical part of the strip from being tensioned by said drawing means an amount greater than that substantially equal to its weight, said latter means comprising apparatus for regulating the speed of said strip drawing means and a photoelectric device for controlling said regulating apparatus in accordance with the depth of a free depending loop in said strip between the vertical and the horizontal parts thereof.

2,278,137
CABLE DRILLING TOOL
Merle R. Overholt, South Pasadena, Calif.
Application March 23, 1940, Serial No. 325,589
3 Claims. (Cl. 255—63)



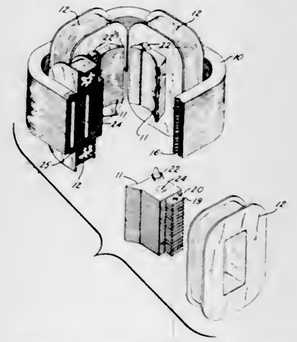
1. A cable drilling bit comprising a shank, a series of cutting teeth extending downwardly therefrom, each of said teeth having a lower vertical portion and an upper helical portion said teeth each having a flange at right angles thereto along its length, the space between any two adjacent teeth forming a water course partly closed by said flange.

2,278,138
ROTARY INTAGLIO PRINTING PRESS
John B. Paardecamp, Paterson, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 3, 1940, Serial No. 350,386
19 Claims. (Cl. 101—157)



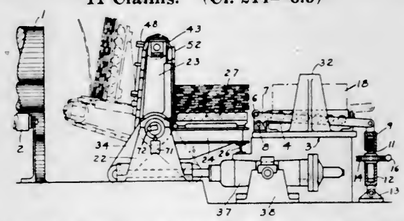
1. A rotary intaglio printing press, comprising a printing cylinder, an impression cylinder arranged in cooperative relation with said printing cylinder at the side thereof so as to provide a printing line at the side of said printing cylinder, means for applying ink to said printing cylinder, a doctor blade positioned at the side of said printing cylinder opposite the printing line for removing excess ink from said printing cylinder, a fountain housing for enclosing the lower part of the printing cylinder substantially from the printing line to the doctor blade, and means for preventing evaporation of ink solvents from the printing cylinder surface between the doctor blade and the printing line.

2,278,139
MOTOR
Clarence G. Puchy, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application November 13, 1939, Serial No. 303,961
5 Claims. (Cl. 171—252)



1. A closed yoke multi-pole field structure having a plurality of separately formed pole pieces, comprising a series of duplicate stampings forming a closed yoke with a single notch in the inner periphery of each stamping, said stampings being assembled with the notch of alternate stampings positioned at different pole junctures so that adjacent stampings at a pole juncture will be notched and unnotched, and other series of stampings forming pole pieces with alternate stampings having a lug extending centrally from the end thereof to fit the notches of the first series.

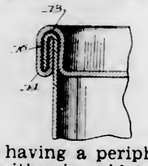
2,278,140
PACK HANDLING APPARATUS
Maurice P. Sieger, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 24, 1939, Serial No. 291,715
11 Claims. (Cl. 214—8.5)



1. Pack handling apparatus for use with a feed table or the like, comprising a carriage adapted to normally support a pack of metal sheets in a horizontal plane, movable means for engaging one edge of the pack when located on the carriage, means for swinging the carriage upwardly toward and adjacent to said table to tilt the pack on edge against said movable edge-engag-

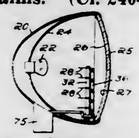
ing means at an angle to the vertical, and means for moving the carriage and said pack-engaging means to carry the tilted pack toward the table as the sheets are individually removed therefrom whereby to keep the pack close to the table.

2,278,141
CAN END
Albin H. Warth, Baltimore, Md.
Application August 2, 1938, Serial No. 222,731
8 Claims. (Cl. 220—81)



1. A can end having a peripheral groove and a sealing composition in said groove comprising a medium hard material which is a substantially saturated hydrocarbon resin resulting from the catalytic polymerization of a liquid olefin by catalysts having a halide with a trivalent atom and known as "Vistanex" in an amount effective to produce a resilient body of sealing material and a softer tacky material being a substantially saturated hydrocarbon resulting from the catalytic polymerization of a liquid olefin by catalysts having a halide with a trivalent atom and known as "Vistanex" in a lesser amount effective to insure strong adherence of a medium hard "Vistanex" body of sealing material to the can end, and a filler.

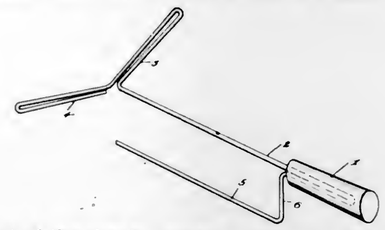
2,278,142
ILLUMINATION
Alfred Mack, Mary W. Mack, and Alfred W. Mack, Framingham, Mass., assignors of one-fourth to Lawrie L. Witter, Boston, Mass.
Application February 20, 1940, Serial No. 319,916
3 Claims. (Cl. 240—45.2)



1. A dual purpose lamp, comprising a shell, a lens having a light filtering portion for emergency driving and a substantially clear driving portion, a reflector within the shell rearwardly of the lens, means providing a source of light between the reflector and lens, shutters associated with the driving portion of the lens and arranged to present an open position permitting the passage of light rays and a closed position preventing such passage, and means for opening and closing the shutters, the lamp being adapted to project only filtered illumination through the filtering portion of the lens when the shutters are closed and to project full illumination through the clear portion of the lens when the shutters are open.

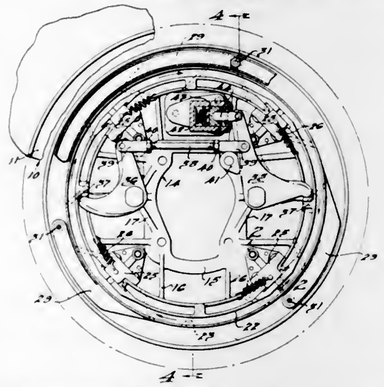
2,278,143
LEAF HOLDER
Howard C. Matthews, Kingston, N. Y.
Application August 26, 1940, Serial No. 354,267
1 Claim. (Cl. 45—61)

A device for holding a book in open position, said device being formed of a single piece of wire and said device comprising a shank having a pair of arms at one end thereof extending in opposite directions, one arm being formed by a substantially U-shaped loop having the end of one limb connected with the shank and the other arm being formed of a substantially U-shaped loop having one end connected to the end of the opposite limb of the first arm, the other end of the shank being looped upon itself to form a closed loop, one limb of which is formed by a



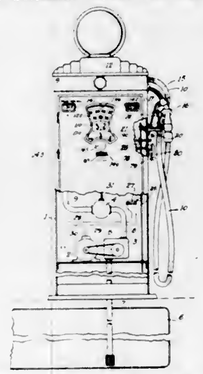
part of the shank, and an L-shaped part formed by the wire to provide a long limb and a short limb, the short limb being connected with the end of the other limb of the closed loop and the long limb extending parallel with the shank and located below the same in spaced relation and terminating short of the arm carrying end of the shank, and a handle having a socket therein for receiving the closed loop.

2,278,144
DISK BRAKE
Joseph M. Milan, Highland Park, Mich.
Application June 29, 1940, Serial No. 343,093
11 Claims. (Cl. 188—72)



1. A vehicle brake mechanism comprising a stationary backing plate secured to the vehicle, a pressure plate maintained in spaced relationship to said backing plate and movable circumferentially and axially relative thereto, a rotatable friction member resiliently suspended between said plates and connected to a vehicle wheel for rotation therewith, cam members fixed to said backing plate and having cam surfaces spaced therefrom, rollers on said pressure plate adapted to contact said cam surfaces, brake operating means for rotating said pressure plate to roll said rollers along said cam surfaces to direct said pressure plate toward said backing plate and engage said friction member between said pressure plate and said backing plate, and brake cooling means including a rotatable air induction member connected for rotation with the vehicle wheel.

2,278,145
INDICATING MECHANISM FOR LIQUID DISPENSING APPARATUS
Walter E. Milestone, Lakewood, Brennan B. West, Cleveland, and Thomas S. Ross, Cleveland Heights, Ohio; said West and said Ross assignors to said Milestone
Application July 28, 1939, Serial No. 287,104
2 Claims. (Cl. 40—70)



1. Indicating mechanism for a register for use with a commodity dispensing apparatus, said indicating mechanism comprising a rotatable member bearing a series of quantity indicia up to a given amount, and a series of price indicia up to a corresponding sum, and an element associated with said member and movable a given distance at each rotation of the member and bearing indications designating the quantity and price of the commodity dispensed upon successive rotations of the member.

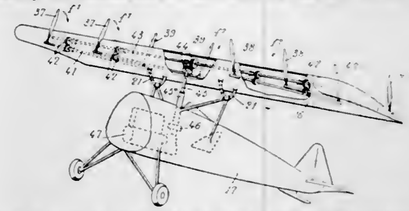
2,278,146
COMPOSITE PANEL BOARD
William J. Moeller, Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application January 13, 1938, Serial No. 184,854
7 Claims. (Cl. 154—45.9)



1. A composite panel board comprising two or more flexible fibrous layers adhered together in juxtaposition with a relatively hard thermoplastic adhesive, one of the flexible layers being a felt composed of a homogeneous pulped mass of fibrous, bituminous and mineral materials.

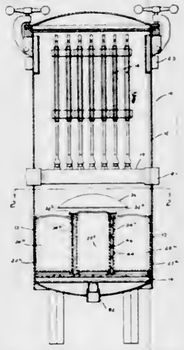
2,278,147
AIRCRAFT
René Joseph Louis Moineau, Paris, France, assignor to Societe d'Exploitation des Brevets Moineau S. A. R. L., Luxemburg, Luxemburg
Application September 7, 1938, Serial No. 228,735
In France September 20, 1937
2 Claims. (Cl. 244—22)

1. In a vehicle movable in a fluid, the combination of a main body, wings connected to said main body so as to be free to vibrate with a component of movement normal to wing chord, said wings having a profile which is thick at the leading edge and decreases gradually in thickness from the leading edge to the trailing edge according to a slope of some degrees, and means for imparting to said wings a vibratory motion of comparatively small amplitude and high frequency and having a component normal to wing chord, said means comprising a plurality of unbalanced air-screws distributed over



the span of the wings and connected together so as to rotate in synchronism and arranged to be operated by the relative current of fluid when the vehicle is travelling.

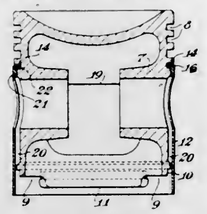
2,278,148
SLUDGE COLLECTING MEANS FOR FILTERS
Nicholas G. Monsarrat, East Providence, and Norman S. Humes, Lincoln, R. I., assignors to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application February 12, 1940, Serial No. 318,438
11 Claims. (Cl. 210—181)



1. A filter, including, in combination, a casing comprising an upright cylinder having a horizontal platform therein and a door therein above said platform, a plurality of filter screens positioned within said casing having inlet means and outlet means, pan means resting on said platform below said screens adapted to collect sludge, comprising a pair of segmental pans each having an arcuate outer wall of substantially the radius of said cylindrical casing wall and being of a width to be insertable through said door and to substantially cover said horizontal platform exterior of said door and a center substantially rectangular pan also insertable through said door of a width to substantially cover the remainder of the platform between said segmental pans and means to urge the outer arcuate walls of said segmental pans in sealing engagement with the adjacent portions of the wall of said casing comprising a handle extending horizontally in front of said rectangular pan and a vertically extending resilient handle mounted to pivot horizontally on a vertical axis on the front end of each segmental pan adapted when said handles are pivoted inwardly to a position substantially tangential to the exterior of said composite pan means to abut the ends of said central pan handle to pivot the front ends of said segmental pans outwardly and resiliently retain the outer walls thereof in sealing engagement with the adjacent

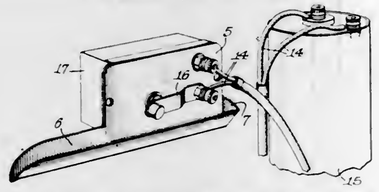
portions of the wall of said casing and baffle means mounted to overlie said inter-pan space to prevent sludge from falling in the inter-pan space and in the spaces between the front and rear of said center pan and casing wall.

2,278,149
PISTON
Alfred Walter Roebuck, Radlett, England
Application November 12, 1941, Serial No. 418,809
In Great Britain December 5, 1939
1 Claim. (Cl. 309—14)



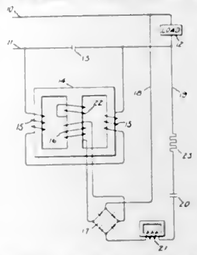
A piston comprising, in combination, a body having ring grooves at one end with extensions provided with gudgeon pin bosses and a medially located peripheral recess, the bottom edge of said body extensions being formed with gaps disposed to leave foot portions positioned at right angles to said gudgeon pin bosses, said foot portions having grooves formed therein and extending laterally from the said gaps, and a shell having a different coefficent of expansion from the body and surrounding the same to constitute a piston skirt whose upper edge terminates within the limits of said medial recess, ribs formed internally on the shell and loosely fitted into the grooves through the gaps to hold the body and shell interengaged against substantial movement in an axial direction, and spring means abutting one wall of said medial recess and the upper edge of the skirt to compensate for the difference in expansion of the body and shell and also to maintain tight engagement between said ribs and grooves.

2,278,150
ELECTRIC SEED PLANTER
Odis C. Roscoe, Shreveport, La.
Application August 9, 1940, Serial No. 352,015
1 Claim. (Cl. 111—82)



A hand-feeding device for use in planting exceptionally small seeds, comprising a body portion embodying a wide plate, a trough formed along one edge of the plate and having an open discharge end, said trough adapted to contain seed to be planted, electrical means including a vertically movable vibrator, secured to the wide plate and adapted to vibrate the trough vertically whereby seeds contained therein are discharged from the open end of the trough, a switch mounted on the plate and adapted to control the electrical means, and a cover for said electrical means, said cover adapted to be gripped by the hand of the person using the planter in supporting the planter while in use in planting seeds.

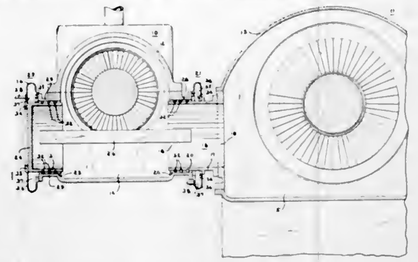
2,278,151
REGULATING APPARATUS
Lewis R. Runaldue, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 11, 1940, Serial No. 369,601
1 Claim. (Cl. 171—242)



In combination, an alternating current supply circuit, a load circuit connected thereto, a variable impedance regulator for controlling an operating condition of said load circuit, said regulator comprising a capacitor connected in series with said supply circuit, a saturable reactor having a variable impedance alternating current winding and a saturating winding, said alternating current winding being connected in parallel with said capacitor, an alternating current control circuit connected to be energized in accordance with the value of said condition, means for supplying said saturating winding with a unidirectional saturating current variable in accordance with the current in said control circuit, a capacitor and a saturable inductance constituting a ferro-resonant combination in said control circuit for amplifying the current changes in said control circuit resulting from changes in the value of said condition whereby said regulator is highly sensitive in operation, and a closed circuit anti-hunting winding magnetically coupled with said saturating winding and arranged to oppose changes in the magnetic flux produced by said saturating winding for preventing hunting or unstable operation of said regulator arising from the amplification of the current changes in said control circuit.

2,278,152
MARINE TURBINE CROSS-OVER CONNECTION
Harold W. Semar, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1941, Serial No. 393,201
9 Claims. (Cl. 60—70)

5. In combination, a high-pressure turbine; a low-pressure turbine; said turbines including first and second cylinders; the first cylinder having tubular extensions providing a first opening and having a second opening in opposed relation to the first opening and the second cylinder having a third opening aligned with the first and second openings; said first and second openings being equal in area; a tubular member attached to the second cylinder, providing a passage placing the first and third openings in communication, and telescoping in the first opening; an expansion joint connecting the tubular member and the first cylinder; a closure member telescoping in the second opening; an expansion joint connecting the closure member to the first cylinder; and tie means connecting said members.

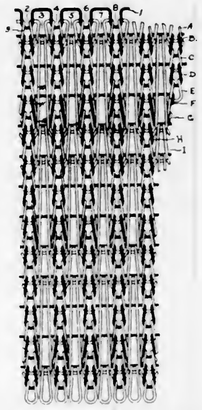


2,278,153
ADJUSTABLE LINGERIE BUCKLE
Joseph Shaulson, Providence, R. I.
Application June 22, 1940, Serial No. 341,823
2 Claims. (Cl. 24—200)



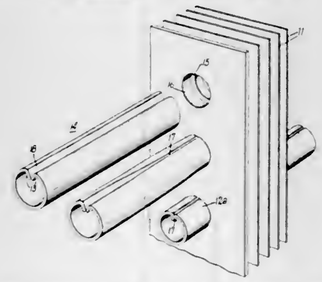
1. In a buckle construction, a frame comprising two spaced sides, two cross bars extending between said sides and dividing said frame into a central and two outer ribbon receiving sections, said outer sections each having additional cross bar means comprising an elongated bar portion extending from one side towards the other side and spaced therefrom to provide a ribbon receiving insertion, and said inner section having a split center bar extending between said sides intermediate the first cross bars.

2,278,154
KNITTED FABRIC AND METHOD
William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application July 27, 1939, Serial No. 286,856
7 Claims. (Cl. 66—172)



1. A knitted stocking top having a selvage, a simulated rib fabric following said selvage wherein non-elastic yarn is knitted throughout the fabric and an elastic yarn knitted in spaced wales and in a plurality of courses, said non-elastic yarn being drawn into elongated tuck stitches in certain of the wales adjacent the selvage wherein said elastic yarn is not knitted the said tuck stitches being arranged in groups of spaced courses.

2,278,155
METHOD OF MAKING HEAT EXCHANGERS
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,710
3 Claims. (Cl. 113—118)



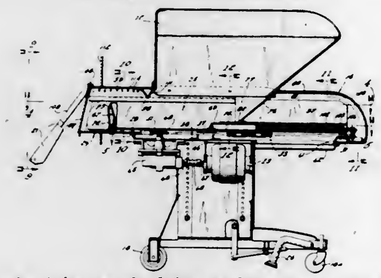
1. The method of making a heat exchanger comprising the steps of shaping a strip of relatively resilient sheet metal into substantially the ultimately desired form with inturned flanges extending longitudinally along opposite edges thereof and at an angle with respect to each other, said flanges being adjacent each other and engaging each other adjacent the marginal edges thereof thereby forming a trough, placing perforated fins over the tube, the perforations being of a size to reduce the trough and force the adjacent faces of the flanges closely together to form an open seam, the relative resiliency of the material from which the fins are formed serving to urge the tube into engagement with the edges of the perforations, placing brazing material in the open seam and subjecting the assembly to heat for brazing the flanges together and the fins to the tubes.

2,278,156
BAG
Albert J. Sterling, Brooklyn, N. Y.
Application June 22, 1940, Serial No. 341,861
3 Claims. (Cl. 229—62)



1. A bag of the character described having its mouth closed by one or more folds of the bag material with the folds secured in folded condition by means of threaded loops through the folds and a thread tightly drawn along each side of the seam and tied around each loop where it enters and leaves the folds whereby to seal needle punctures on each side of the seam and reinforce the seam at both sides thereof.

2,278,157
STOKER
Frederick W. Vodoz, Wilmette, Ill., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application April 14, 1939, Serial No. 267,841
12 Claims. (Cl. 214—29)



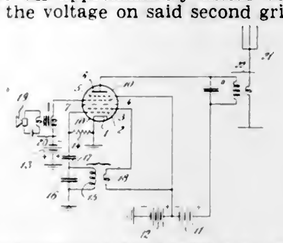
2. A stoker embodying a base, a support on said base, a hopper on said support, a shovel slidable in said support, an ejector slidable within said shovel, a link chain mounted within said support, means for driving said chain, a crank arm attached to said chain slidably supported on said ejector, an adjustable element on said ejector engageable by said crank arm, a latch on said shovel engaging said ejector, and an adjustable element on said support in the path of movement of said latch for releasing the shovel from said ejector as the ejector is moved by said crank arm.

2,278,158
COATED ABRASIVE
Willis C. Ware, Chicago, Ill., assignor of one-half to Margaret R. Ware, Chicago, Ill.
No Drawing. Application June 24, 1940, Serial No. 342,113
10 Claims. (Cl. 51—295)

1. A flexible abrasive sheet for use under conditions developing high abrading surface temperatures comprising a base, a layer of abrading particles spread over the base, an adhesive coat softenable by heat anchoring the abrading particles to the base, and a substantially continuous thin protective film consisting essentially of inorganic material of the alkali metal silicates group united to the adhesive coat, surrounding said particles in general conformity with the surface contours thereof, and forming a seal against exposure of the adhesive coat, said film being of relatively stable consistency and remaining dry and non-sticky at high abrading surface temperatures, thereby materially avoiding the accumulation of dust arising from the abrasion operation on and between the abrading particles irrespective of the softening of said adhesive coat at said high abrading surface temperatures.

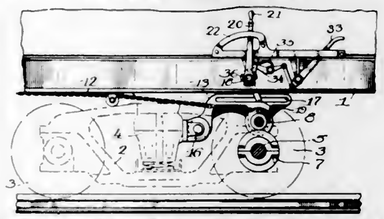
2,278,159
OSCILLATOR-MODULATOR SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 12, 1933, Serial No. 679,997
5 Claims. (Cl. 250—17)

1. A modulated radio-frequency transmitting system comprising a vacuum tube having an audio-frequency input circuit and a carrier-frequency output circuit, said vacuum tube having a space-current path in which are included at least two grids, a first of said grids having a source of carrier-frequency voltage connected thereto, the second of said grids having said input circuit connected thereto, means including a non-uniform construction of said second grid for imparting to said tube an approximately linear relationship between the voltage on said second grid and the



mutual conductance from said first grid to said anode over a large range of voltages on said second grid, whereby distortionless modulation is effected over a large range of modulation percentages, and means for coupling said output circuit to a radiating antenna.

2,278,160
BRAKING MECHANISM
George C. Beltman, Chicago, Ill.
Application April 7, 1941, Serial No. 387,189
6 Claims. (Cl. 188—145)



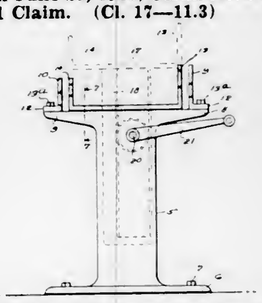
1. In a braking device for freight cars having the usual brake shoes and assembly including a brake chain, a power take-off adapted to exert a pull upon the brake chain, a spool around which one end of the chain is wrapped, a shaft rotatably mounted adjacent one end to the chassis of the freight car and adjustably and rotatably mounted adjacent its other end to the truck, complementary members one of which is fixedly mounted on said shaft and the other fixedly mounted on an axle of the freight car and having frictional engagement for causing braking of the car, and means to lift said first mentioned member out of frictional engagement with said second member for releasing the braking action.

2,278,161
ELECTROLYTIC DEVICE AND METHOD OF MAKING SAME
Joseph B. Brennan, Euclid, Ohio
Application October 2, 1939, Serial No. 297,507
12 Claims. (Cl. 175—315)



1. An electrode for electrolytic devices comprising a mat of metallic wool composed of film-forming metal having a main auxiliary conductor extending therealong and a plurality of conductors extending transversely of said main conductor, and making electrical contact therewith and bonded thereto at a plurality of points intermediate the ends of the mat, said conductors being directly in effective electrical contact with substantially all of the filaments comprising the mat.

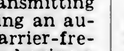
2,278,162
SINEW PULLER
Maurice Courlang, Dorchester, and Louis Gonick, Roxbury, Mass.
Application June 29, 1940, Serial No. 343,278
1 Claim. (Cl. 17—11.3)



A sinew pulling machine comprising a hollow standard, a pair of stationary puller elements at the upper end of the standard, a plate interposed between the stationary puller elements, puller elements at the ends of the plate cooperative with the other puller elements, and means for elevating and lowering the plate with respect to the stationary puller elements, the stationary and movable puller elements at one end of the machine being taller than the elements at the other end to permit overlapping of poultry legs on the aforementioned plate.

2,278,163
ALDIMINE SALTS OF PETROLEUM SULPHONIC ACIDS
Melvin De Groote, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd., a corporation of Delaware
No Drawing. Application May 12, 1939, Serial No. 273,222
2 Claims. (Cl. 260—501)

1. A new compound, consisting of a water-insoluble salt of a basic substituted aldimine of the formula type:



in which B is selected from the class consisting of hydrogen atoms, hydroxy aliphatic hydrocarbon and hydrocarbon radicals, and T is selected from a class consisting of aliphatically-bound hydrocarbon radicals, alicyclic hydrocarbon radicals, aliphatic hydrocarbon radicals interrupted at least once by an oxygen atom, aliphatically-bound hydroxy hydrocarbon radicals and hydroxy alicyclic radicals; said aldimine salt being obtained from water-soluble, non-hydrophobe petroleum sulphonic acid of the green acid type.

2,278,164
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1941, Serial No. 375,974
7 Claims. (Cl. 252—338)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble sulfato sulfonate, derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a surface-active sulfonic acid having a molecular weight between 200 and 1,000; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the selected sulfonic acid and the selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical, is water-insoluble.

2,278,165
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1941, Serial No. 375,975
8 Claims. (Cl. 252—333)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a mahogany petroleum sulfonic acid; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the selected sulfonic acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,166
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1941, Serial No. 375,976
8 Claims. (Cl. 252—333)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a green petroleum sulfonic acid; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:

which in turn is united with a cation; said com-

pound being further characterized by the fact that the selected sulfonic acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,167

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,977

9 Claims. (Cl. 252—332)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of an alkylated naphthalene mono-sulfonic acid; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the selected sulfonic acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,168

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,978

8 Claims. (Cl. 252—335)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a higher fatty acid sulfonic acid; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the selected sulfonic acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,169

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,979

9 Claims. (Cl. 252—337)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a sulfo-aromatic higher fatty acid; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the sulfo-aromatic higher fatty acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,170

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,980

9 Claims. (Cl. 252—337)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising sulfato sulfonate derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of an alicyclic sulfonic acid derived from the group consisting of dipentene, the diamylenes, turpentine, alpha and beta pinenes, pine oil, abietic acid, methyl abietate, tallol, and dihydromethyl abietate; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the linkage:



which in turn is united with a cation; said compound being further characterized by the fact that the selected sulfonic acid and selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical is water-insoluble.

2,278,171

PROCESS FOR BREAKING PETROLEUM EMULSIONS

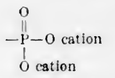
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1941, Serial No. 375,981

8 Claims. (Cl. 252—339)

1. A process for breaking petroleum emulsions

of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-soluble phosphato sulfonate, derived from a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a surface-active sulfonic acid having a molecular weight between 200 and 1,000; and another hydroxy hydrogen atom of said polyhydric alcohol has been replaced by the radical:



said compound being further characterized by the fact that the selected sulfonic acid and the selected polyhydric alcohol must be such that the hydroxylated ester derived by replacing one hydroxy hydrogen atom of the aforementioned polyhydric alcohol by the aforementioned acyl radical, is water-insoluble.

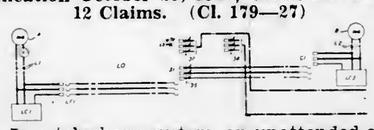
2,278,172

TELEPHONE SYSTEM

Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1940, Serial No. 363,265

12 Claims. (Cl. 179—27)



1. In a telephone system, an unattended office, trunks for use on calls from the unattended office to a master office, means in said unattended office responsive to a trouble condition therein for seizing an idle one of said trunks to initiate an alarm call to an operator in the master office, means associated with the seized trunk responsive to the answer of the call and the subsequent release of the connection by the answering operator in the master office for releasing the trunk in the unattended office, and means in the unattended office effective if an alarm call is not answered within a predetermined interval of time for automatically causing release of the trunk over which the alarm call is being made.

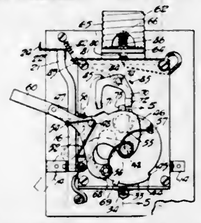
2,278,173

FLASHLIGHT CAMERA

Oscar J. Goering, Lansdale, Pa.

Application April 20, 1939, Serial No. 269,002

5 Claims. (Cl. 67—29)



1. In a flashlight camera the combination with a frame, of a normally locked shutter associated with said frame, a bulb socket mounted on said frame, contact means carried by said shutter for closing a circuit between said socket and a source of power and igniting a flashlight bulb in said socket on the operation of said shutter, and means associated with said socket for releasing said shutter to permit operation thereof on the insertion of a bulb into said socket, said last named means being adapted to engage said contact means to lock said shutter against further movement until said bulb is removed.

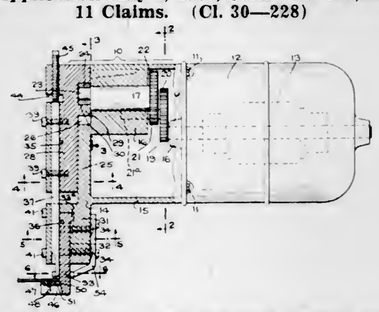
2,278,174

SHEET METAL NIBBLING TOOL

Charles B. Gray, Millbourne, Pa.

Application May 1, 1940, Serial No. 332,658

11 Claims. (Cl. 30—228)



1. A portable self-contained motor-driven sheet metal cutting tool comprising a main casing in which is housed the motor drive for the tool, said casing having an elongated guideway formed in its outer face, a vertically reciprocable ram fitted in said guideway and having a longitudinally extending groove therein for reception of a punch, means intervening said motor drive and said ram for imparting reciprocation to said ram by said motor drive, a die support detachably disposed in spaced relation to said guideway, said die support being grooved in longitudinal alignment with the ram groove and having a die opening therein, and a punch fitted in said ram groove and arranged in axial alignment with said die opening for cooperation with the latter to cut sheet material fed between said reciprocating punch and its cooperating die, the groove in said die support terminating short of said die opening and the die support in the immediate zone of the feeding plane of said material being of a thickness substantially equal to the effective width of the punch and die opening.

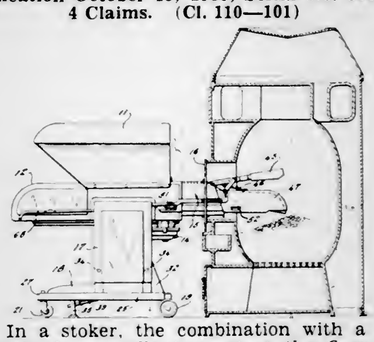
2,278,175

STOKER

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application October 19, 1939, Serial No. 300,231

4 Claims. (Cl. 110—101)



1. In a stoker, the combination with a foot movable downwardly to contact the floor and

prevent the stoker from moving, a control arm freely swingable on said stoker, a switch operated by lowering of said control arm, and a link system releasably engageable with the control arm for raising it into inoperative position and for operating the foot to likewise move it into inoperative position, the reverse movement of said system moving said foot to engage the floor while releasing said arm.

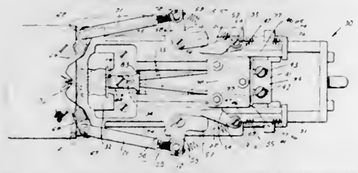
3. In a stoker, the combination with a nose having a pair of spaced projecting ribs at the top thereof containing spaced apertures, a sealing plate disposed on said nose having slots to receive said ridges, and latches pivoted on said plate adjacent to said slots for locking the plate on the nose.

2,278,176

APPARATUS FOR ASSEMBLY OF CONNECTOR PLUGS

William P. Herman, Providence, R. I.

Application May 31, 1939, Serial No. 276,625
4 Claims. (Cl. 29—84)



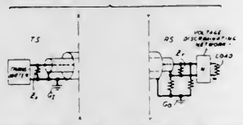
1. In an apparatus of the type described, a base, a nest on said base for holding a resilient plug husk having a passageway arrangement, a carriage reciprocatable on said base, a pair of spaced pull arms mounted on said carriage and reciprocatable through said husk passageways, a pair of aligned blocks slidably mounted in said base, a spring connecting said blocks and adapted to resiliently urge said blocks in alignment towards each other, a cam tongue mounted in said carriage and adapted to separate said blocks during the movement of said carriage, pivotally mounted fingers on said blocks for distending the husk passageway during the initial movement of said carriage, and lock pins slidably mounted on said base and adapted to enter openings in said blocks when said blocks are in separated position for locking said fingers in distending position during the movement of said carriage.

2,278,177

COMMUNICATION SYSTEM

Lester Y. Lacy, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1940, Serial No. 362,544
6 Claims. (Cl. 178—44)



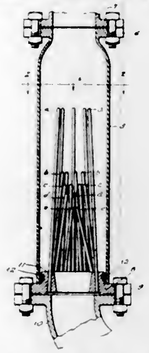
1. In combination, a coaxial conductor line comprising inner and outer conductors and having input and output terminals at opposite ends, each end of said line including a local ground connection, means to apply input waves to said input terminals for transmission over said line to the opposite end and a load at said latter end connected to said output terminals, and means to protect said load against disturbing voltages existing between said ground connections comprising impedances connected to said load and said terminals and forming with said conductors and said load a bridge configuration in which said load and the effective impedance between said ground connections appear in respectively conjugate diagonals.

2,278,178

STRAINER

William H. Lannert, Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application December 23, 1939, Serial No. 310,672
8 Claims. (Cl. 210—164)



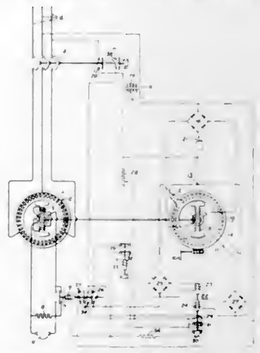
8. A strainer comprising a casing through which liquids may flow in either direction, said casing having an opening in one end through which liquids, carrying solids, enter and discharge from said casing, and an opening in its other end, through which strained liquids discharge from and re-enter the casing, a straining element composed of fingers of different lengths arranged with the shorter fingers disposed between longer ones, all of said fingers extending around a common axis towards the first mentioned opening from points disposed adjacent and around the second named opening and inclining toward the axis of the casing.

2,278,179

SYNCHRONOUS MOTOR CONTROL SYSTEM

Arthur H. Lauder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 30, 1939, Serial No. 264,888
26 Claims. (Cl. 172—289)



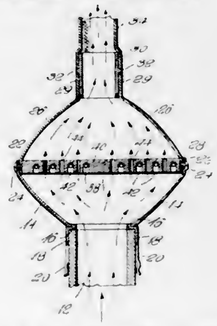
8. In combination, a synchronous machine connected to a source of alternating current, a field winding for said machine, a source of excitation for the field winding of said machine, a field switch for connecting said source of excitation to said field winding, a pilot generator driven by said machine, a differential relay having two torque producing elements, means for energizing one of said elements so that the torque produced thereby varies with the vectorial sum of the voltages of said generator and said alternating current source, means for energizing the other of said elements so that the torque produced thereby varies with the speed of said machine, and means controlled by said relay for effecting a predetermined operation of said field switch.

2,278,180

ELECTRIC HAIR DRIER

Edward Lewis, Harriman, N. Y.

Application January 23, 1940, Serial No. 315,217
2 Claims. (Cl. 219—39)



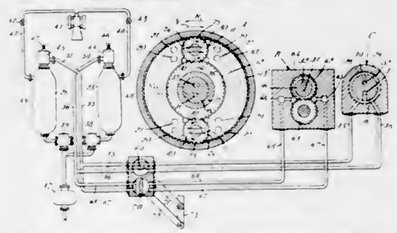
1. A heater of the character described comprising a cylindrical tube, a bulbous heating chamber resiliently and detachably secured to said tube, a cylindrical, disk-like partition of insulating material detachably secured transversely of the heating chamber, a spiral groove in one face of said partition, a spiral heating element carried by said groove, a plurality of elongated openings in the partition adjacent the convolutions of the spiral heating element, said openings constituting a venturi for accelerating the passage of air through said chamber.

2,278,181

ENGINE AND GEAR COUPLING

Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application May 15, 1940, Serial No. 335,249
In Switzerland May 17, 1939
10 Claims. (Cl. 60—18)



1. A gear coupling for interconnecting an internal combustion engine and a turbo machine which comprises a rotatable casing, spur gears rotatable in the casing, a central gear meshing with the spur gears, means for operatively interconnecting the engine and the turbo machine, a fluid system including means for supplying a liquid between the gears, an accumulator for storing the liquid, separate pipes connecting the gears to the accumulator for delivering liquid to the gears and for removing the liquid from the gears, and means for loading the liquid in the accumulator to increase the pressure thereon, whereby the gear coupling may operate as a liquid pump or as a liquid motor.

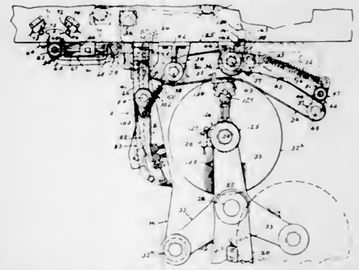
7. A gear coupling for equalizing the forces between a reciprocating engine and a rotatable machine which comprises at least two gears in mesh with each other, a casing enclosing the gears and providing a space where the gears mesh for a liquid, means for operatively interconnecting the gear coupling to the engine and to the rotatable machine, an accumulator system arranged to store liquid under pressure connected by pipe to the said space, and means permitting the gears to act as a pump to force liquid into the accumulator system and to act as a motor when liquid flows from the accumulator system to the said space.

2,278,182

WEB SUPPLY MECHANISM

Arvid Lundquist, New York, Raymond A. Freeman, Hudson, and William C. Wieking, Woodhaven, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Original application December 2, 1933, Serial No. 700,652. Divided and this application December 31, 1937, Serial No. 182,716
26 Claims. (Cl. 242—58)

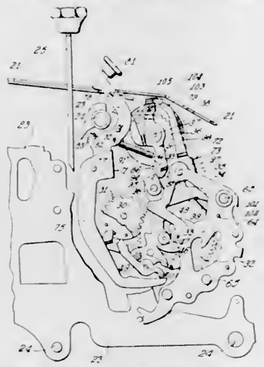


6. In a web supply mechanism for a machine operating on a web drawn from a web roll, a roll support adapted to move a replacement roll from a loading position to a running position, a web joining and cutting mechanism comprising a latched twin frame structure, simultaneously movable to a pre-joining and pre-cutting position, one frame having a brush mounted thereon and the other frame having a cutter mounted thereon, manually controlled means to release the latch when the running web roll has become exhausted, spring actuated means to pull said brush carrying frame forward to press the running web against an adhesive on the web end of the replacement roll, and means rotatable with the web replacement roll to actuate the cutter, whereby the running web is severed below the join.

16. In a web supply mechanism, the combination with a rotatable support having a running web roll and a replacement roll thereon, of means to make a web join between the web of an expiring web roll and the web end of the replacement roll, which includes a frame structure having a handle thereon whereby it may be moved by direct hand operation to and from a pre-joining position, a web deflector and a web cutting mech-

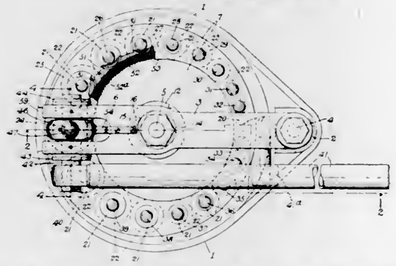
anism carried by said frame structure, a spring arranged to pull the web deflector toward the replacement roll and arranged also to hold the frame structure in a non-operating position, a latch to normally hold the web deflector away from the replacement roll and against the pull of said spring, means to release said latch to effect a web joining operation, and means for operating the web cutting mechanism after a web join is made.

2,278,183
CALCULATING MACHINE
Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 25, 1940, Serial No. 358,222
8 Claims. (Cl. 235—130)



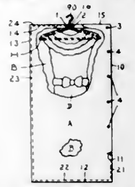
1. In a calculating machine having accumulator mechanism including tens carrying devices, a normally inoperative lever selectively movable to operative position to make ineffective the operation of a said tens carrying device, latch means operable upon movement of said lever to operative position to latch said lever in operative position, and means associated with said tens carrying device and movable thereby, after an attempted carry thereby has been foiled by said first lever, to release the latter to allow the return thereof to inoperative position, said latch means including an element having an inclined surface adapted to engage said lever when in latching position, the inclination of said surface being such as to enable disengagement of said element from said lever upon the application of manual pressure to said lever in the direction towards its inoperative position.

2,278,184
PUNCH
Simon J. Olson, Rockford, Ill.
Application July 1, 1939, Serial No. 282,380
12 Claims. (Cl. 164—96)



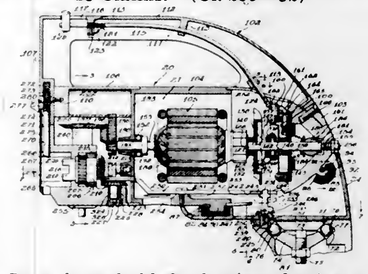
1. A punch comprising a base, a plurality of vertically reciprocating die members of varying sizes, a die holding member therefore, a plurality of cooperating die members, a die holding member therefor, a vertically movable actuating device for said vertically reciprocating die members, said die holding members being rotatably mounted in a horizontal plane, so that any of said die members can be brought in proximity to said actuating device, said vertically movable actuating device comprising a member which engages one of said vertically reciprocating die members and which locks the die holding member from swinging in a horizontal plane and simultaneously locks the vertically reciprocating die to the vertically movable actuating device.

2,278,185
GARMENT PROTECTOR
Alice F. D. Pearson, Lowell, Mass.
Application December 31, 1936, Serial No. 118,579
3 Claims. (Cl. 206—7)



2. In a garment cover, the combination of a front and back sheet, each made of similar flexible material, each having a top, a bottom and two sides, the borders of the two sheets being fastened together at the top, at the bottom and at both sides, the borders at the bottom of the right side, at the bottom, at the left side and at the left of the top as far as a stop a little to the left of the center being permanently fastened together, and the right of the top and the upper part of the right side being provided with separable fasteners, one part attached to the border of one sheet and the other attached to the border of the other sheet.

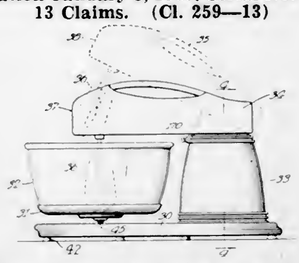
2,278,186
FOOD MIXER
Hermann M. Alfred Strauss and Watson D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co., a corporation of Illinois
Application July 7, 1939, Serial No. 283,288
18 Claims. (Cl. 259—82)



1. In a household food mixer having a unit provided with depending interdigitating beaters, means for driving the beaters, a base, and a turntable for supporting a bowl under the beaters upon the base, the combination of a support pivotally mounted for movement about a horizontal axis lying substantially in the plane of the bottom of said bowl, means for locking the

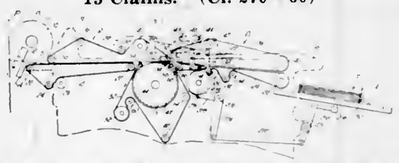
support relative to the base in a plurality of relative positions, a supporting member on top of said support for supporting the unit for movement about a normally vertical axis, and means moving said supporting member about said vertical axis when the unit is moved about said horizontal axis.

2,278,187
FOOD PROCESSOR
Alfred Strauss and Eric G. Feltman, Chicago, Melville M. Hunt, Park Ridge, and Watson D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co., a corporation of Illinois
Application January 8, 1940, Serial No. 312,874
13 Claims. (Cl. 259—13)



1. A food mixer comprising a motor, a bowl rotatably mounted at one side of the motor, a beater driven from the motor and disposed in the bowl, and a transmission interconnecting the beater and the motor including a mechanism for rotating the beater on its own axis and for oscillating the transmission means in a horizontal plane and laterally with respect to the axis of bowl rotation to move the beaters back and forth in the bowl.

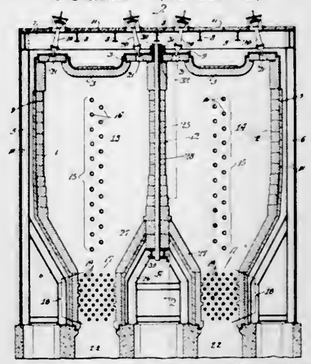
2,278,188
METHOD OF AND APPARATUS FOR DELIVERING SHEETS
Arthur P. Bamford, Millburn, and John T. Ritzau, Clifton, N. J., assignors, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 3, 1940, Serial No. 350,308
15 Claims. (Cl. 270—60)



1. A method of delivering at reduced speed a plurality of sheets cut from a web traveling at high speed, which comprises feeding the sheets to a collecting point and there collecting a predetermined number of sheets, discharging the collected group of sheets at a speed substantially equal to the speed of travel of the web, reducing the speed of travel of the discharged group of sheets a predetermined amount, and depositing said discharged group of sheets on a stack at such reduced speed.

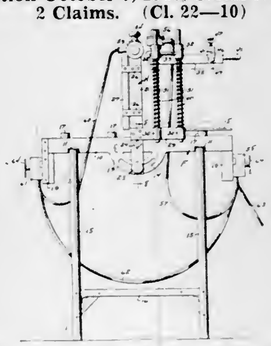
7. Delivery apparatus comprising the combination of a first substantially horizontally disposed sheet conveying means adapted to receive sheets cut from a traveling web; a sheet collecting cylinder positioned adjacent to and in cooperative relation with said first sheet conveying means for collecting in a conformed group a plurality of sheets which have been conveyed thereto; and a second substantially horizontally disposed sheet conveying means positioned adjacent to said collecting cylinder and adapted to receive collected groups of sheets therefrom and deliver them at reduced speed.

2,278,189
HEATER
Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 29, 1939, Serial No. 270,897
2 Claims. (Cl. 110—1)



1. In a furnace, an outer wall and an inner wall, said walls forming a chamber therebetween, and a partition wall, said partition wall comprising in combination a plurality of adjoining courses of refractory blocks, the abutting edges of the blocks in each individual course being provided with protrusions and indentations which register and interlock adjoining blocks in each course, the several courses being interlocked and retained in alignment along a common plane by structural hollow metal members extending slidably through aligned elongated openings provided in only a portion of the blocks in each course, said structural members extending continuously through the wall, anchoring means adjacent one end of each of said structural members and adapted to permit free longitudinal expansion and contraction of said structural members independently of said wall, and means for forcing air through said chamber into said structural hollow metal members, thereby separately cooling the same.

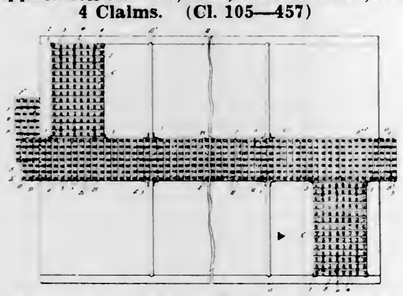
2,278,190
CORE MACHINE
Samuel A. Bodi, Monroe, Mich.
Application October 7, 1940, Serial No. 360,170
2 Claims. (Cl. 22—10)



1. In a core machine, a frame having a hori-

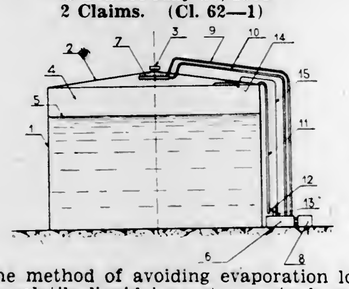
zontally supported table section, a core receiving plate supported horizontally on the said table section, a pair of arms pivotally connected to opposed side of the table section for swinging in a vertical plane, a cross bar secured to the upper ends of the said arms for arcuate swinging movement above the core receiving plate, a plurality of guide rods connected with the said side arms and disposed parallel and adjacent thereto, a transversely extending carrier bar slidably connected with the said rods, a core engaging clamp connected to the said carrier bar, a compression spring sleeved about each guide rod yieldingly holding the said carrier bar in an elevated position with relation to the core plate, and elements adjustably connected with the cross bar and engageable with the core plate for horizontally adjusting the latter.

2,278,191
RUNNING BOARD FOR RAILWAY CARS
Richard W. Burnett, Chicago, Ill.
Application June 28, 1940, Serial No. 342,833
4 Claims. (Cl. 105—457)



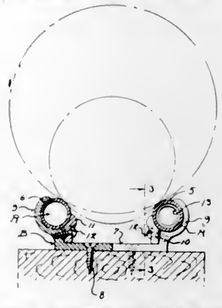
1. A running board for railway cars comprising an elongated sheet metal plate formed with a plurality of parallel alternate ribs and channels disposed transversely of the length of said plate and to the direction of movement of a person along said running board, the ribs being arcuate in section and having openings in their crowns surrounded by struck-up flanges forming tread bosses, and the channels having open ends from which accumulation of snow and dirt is removable, and flat bottom walls all in substantially the same plane the flat walls being provided with a plurality of drainage openings, and supporting rails extending beneath the longitudinal margins of said plate and welded thereto.

2,278,192
THERMIC PROCESS
Georges Servan Cantacuzéne, Paris, France
Application May 9, 1939, Serial No. 272,735
In France May 27, 1938
2 Claims. (Cl. 62—1)



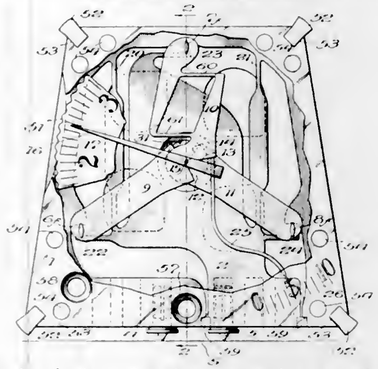
2. The method of avoiding evaporation losses from a volatile liquid in a storage tank or the like, which comprises an external refrigeration apparatus connected with inner refrigerating means in heat transfer relation with the gas space of the tank, so arranged as to permit the condensate to trickle back to the liquid level, in combination with pressure controlling means maintaining automatically the pressure in the gas space between predeterminated limits by operating the refrigeration apparatus whenever the vapor pressure attains the upper limit and stopping said refrigeration apparatus when the vapor pressure attains the lower limit; in combination with usual breather valves on the tank top regulated to permit flow of gases from the tank to the atmosphere when the tank is filled and flow of air into the tank when the tank is emptied.

2,278,193
RETURN RUNWAY FOR BOWLING BALLS
Edward W. Discher, Milwaukee, Wis.
Application September 13, 1940, Serial No. 356,682
2 Claims. (Cl. 273—47)



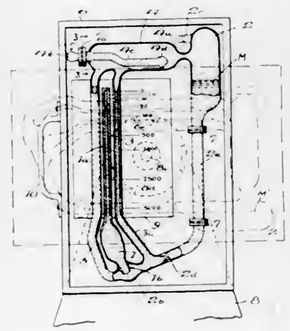
1. In a return runway for the balls of bowling alleys, a pair of spaced parallel rails, and means for firmly uniting the rails together and for securing the rails as a unit to a support including a transversely extending flat anchor plate, upstanding end walls on the terminals of the plate, arcuate jaws formed on the walls defining in conjunction with the walls seats for the rails, on which seats the rails are fitted, said jaws terminating slightly short of the longitudinal center of the rails, and removable and adjustable jaws carried by the inner faces of the walls engaging the inner lower faces of said rails.

2,278,194
MEASURING INSTRUMENT
Lloyd H. Donnell, Chicago, Ill.
Application November 4, 1940, Serial No. 364,316
18 Claims. (Cl. 33—147)



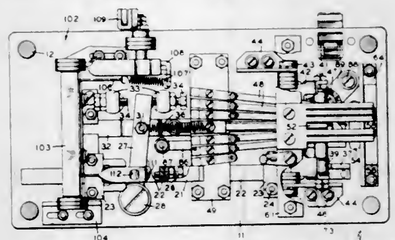
6. An instrument for measuring small distances, motions or strains, comprising, in combination, a pair of spaced, relatively movable main parts, a plurality of link members arranged intermediate the main parts and pivoted at opposite ends on each part, an arm fixed to each link member, each of said arms having a circular arc portion and said arms being arranged in converging relation with the arc portions adjacent each other, a shaft laterally supported by said arc portions for axial rotation in response to rotation of a link member, and pointer means adapted to be actuated by rotation of the shaft.

2,278,195
VACUUM GAUGE
Earl W. Flosdorf, Upper Darby, and John C. Coleman, Wyndmoor, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application September 16, 1939, Serial No. 295,286
17 Claims. (Cl. 73—31)



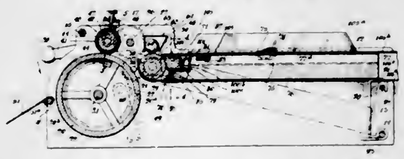
12. In a vacuum gauge of the McLeod type, the combination of a U-shaped tubular structure containing mercury and having a compression chamber formed at the lower end portion of one leg thereof, with a measuring capillary extending vertically upward from the compression chamber and having the upper end thereof closed, a levelling bulb formed at the upper end portion of the other leg of said structure and being connected by said leg to the lower portion of the compression chamber so that when said U-shaped structure is placed in a substantially horizontal position with the leg containing the compression chamber and capillary elevated above the leg containing the levelling bulb, the mercury within said structure will drain into said levelling bulb, a connection to the low pressure space to be measured leading into the levelling bulb above the level of mercury therein in either horizontal or vertical position, and a tubular connection connecting the yoke or bend portion of said U-shaped structure with the space above the mercury level in said levelling bulb, said tubular connection having a bore substantially larger than the bore of said measuring capillary for permitting rapid equalization of pressure between said compression chamber and said low pressure space, said levelling bulb and the connections thereto being of sufficient capacity to lower the level of the mercury within said structure below the point of connection of said tubular passage to said yoke portion when said U-shaped structure is in said horizontal position.

2,278,196
TAPE FEEDING APPARATUS
William G. Fluharty, Rockville Centre, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 30, 1940, Serial No. 348,355
9 Claims. (Cl. 271—2.5)



1. In a tape transmitter, a control tape, a cyclically operable tape advancing member, a tape retaining member, magnetic means for operating said tape advancing member to advance said tape, means operative by said tape advancing member independent of said tape for moving said tape retaining member out of engagement with said tape during advancement of said tape by said tape advancing member and means including said last mentioned means for moving said tape advancing member out of engagement with said tape during a predetermined portion of each cycle of operation of said tape transmitter.

2,278,197
DUPLICATING MACHINE
Benjamin D. Gilbert, New York, N. Y.
Application February 16, 1940, Serial No. 319,335
37 Claims. (Cl. 101—132.5)

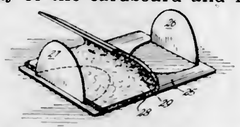


1. In a machine for duplicating on a copy sheet matter imprinted in reverse with dissolvable copying ink on a master sheet which machine is provided with means for moistening with a dissolving fluid the under face of said copy sheet comprising a transversely mounted moistening roller and means for wetting said moistening roller the combination therewith of a plurality of weights located above said moistening roller and means for limiting the movement of said weights in a direction longitudinally of the machine, whereby when a copy sheet is inserted between said moistening roller and said weights and the roller turned, said sheet is fed forwardly while being held against said roller by said weights whereby said sheet is uniformly wetted.

2,278,198
FLOWER CONTAINER
Buford W. Hall, Los Angeles, Calif.
Application April 23, 1940, Serial No. 331,151
5 Claims. (Cl. 47—41)

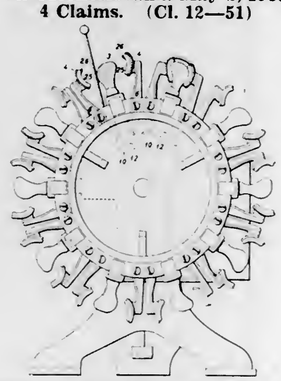
1. A shipping container of the class described, comprising a Cellophane bag, an insert adapted to be positioned therein formed of relatively heavy cardboard of substantially the same width

as one side of the bag, side panels stamped out of the body of the cardboard and foldable from



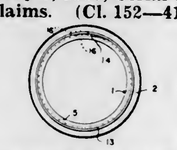
its plane about score lines arranged adjacent edges of the cardboard.

2,278,199
MEANS FOR SMOOTHING THE LININGS OF SHOES
John Hoza, Belcamp, Md.
Application April 1, 1940, Serial No. 327,277
In Czechoslovakia May 2, 1938
4 Claims. (Cl. 12—51)



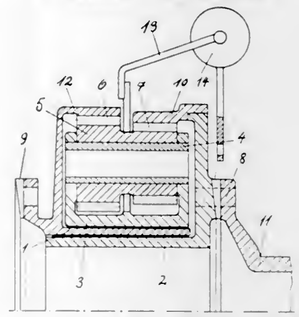
1. A device for smoothing the linings of shoes comprising a disc rotatable about a horizontal axis, last members exchangeably mounted on the periphery of said disc, heating elements within said last members, connections for the supply of current to said heating elements, clamping jaws engageable with both sides and the heel respectively, of shoes mounted on said last members, a motor driven drive shaft, and means operated by said drive shaft and operatively engaging the clamping jaws associated with any selected pair of last members for moving said jaws into and out of engagement with the shoes on said last members.

2,278,200
RIM
Emil R. Jacobi, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 8, 1939, Serial No. 272,529
15 Claims. (Cl. 152—411)



1. A wheel rim, comprising an endless rim base and an endless tire retaining flange having cooperating retaining portions, each retaining portion being provided with a notch and an end of one notch being engageable with an end of the other notch during assembly of the flange with the base to peripherally position the flange relative to the base, the notch of the retaining portion of the base being formed with a portion extending axially completely through the retaining portion and a recess at the outer side of the retaining portion extending peripherally beyond the first mentioned portion.

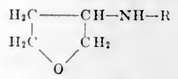
2,278,201
DYNAMOMETER
Konradin Keller, Munich-Lochham, Germany, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany, a company of Germany
Application May 24, 1939, Serial No. 275,360
In Germany May 24, 1938
7 Claims. (Cl. 265—25)



1. In a dynamometer especially adapted for measuring the torque of aircraft engines during flight, the combination of a gear driven by the engine, a second gear of a slightly different effective diameter connected for driving the propeller, planetary gearing means intermediate said gears, a drum supported co-axially upon the first-mentioned gear carrying said planetary gearing means, and means connected with said drum for measuring the torque applied to said drum.

2,278,202
MANUFACTURE OF 3-ARYL-AMINOTETRAHYDROFURANES
Hans Lange, Dessau, Anhalt, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 6, 1939, Serial No. 293,618. In Germany September 19, 1938
8 Claims. (Cl. 260—345)

8. 3-arylamino-tetrahydrofurane of the general formula

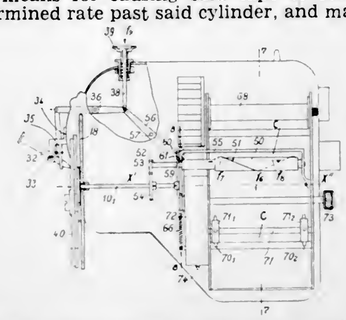


wherein R is a monocyclic aryl radical.

2,278,203
INTERMITTENT RECORDER FOR ANGLE MEASUREMENT
Albert Lepetit, Montrouge, France
Application March 20, 1939, Serial No. 262,990
In France May 16, 1938
2 Claims. (Cl. 234—1)

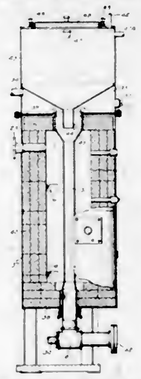
1. In a recording device for an angle measuring instrument, a rotatable shaft mounted for precision rotative adjustment for measurement of an angle, a rotatable cylinder having a raised spiral circumferential ridge, pivotally mounted radial members carrying said cylinder at their

circumferential extremities, means for driving said cylinder from said shaft, a recording tape, reel means for causing said tape to feed at a determined rate past said cylinder, and manually



operable control means comprising recoil spring means actuatable for urging said radial members and said cylinder into marking position to engage said tape and record thereon the setting of said shaft.

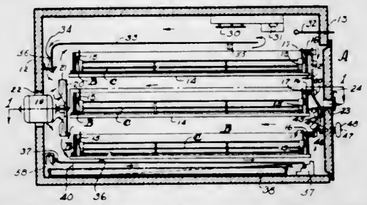
2,278,204
APPARATUS FOR PRODUCING A GAS ATMOSPHERE
Harry E. Lewis, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1941, Serial No. 372,781
4 Claims. (Cl. 23—281)



1. In an apparatus for the production of protective gaseous atmospheres, a reaction tube having a gas inlet and outlet and adapted to contain a granular carbonaceous material, means for heating said reaction tube, means for introducing an additional supply of carbonaceous material into said reaction tube, said supply means comprising a hopper having an outlet extending into the heated zone of said reaction tube through the gas outlet thereof, a settling chamber positioned below said hopper and around the outlet from said hopper, and means for conducting the major portion of the gaseous products formed in the reaction tube to said settling chamber.

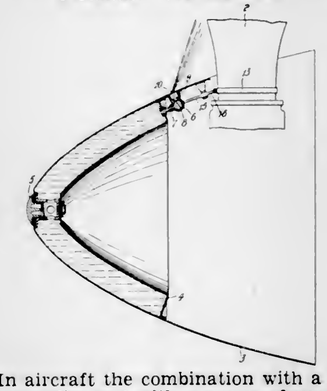
2,278,205
INCUBATOR
George T. Markey, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application December 28, 1939, Serial No. 311,276
8 Claims. (Cl. 119—37)

1. An incubator of the class described, comprising a cabinet having a door in its front end, a number of egg trays positioned in vertical spaced relation in said cabinet and being removable and replaceable drawer-like when said door is open, egg cages hingedly mounted on the front and rear walls of said trays, means on the front walls of said trays adapted to be oscillated and thereby rock said cages, means on said door



adapted to engage said last means when the door is closed, means on the exterior of said door and having an operating connection to said last means whereby said cages may be rocked back and forth manually when said door is closed, and a motor positioned in an opening in the rear panel of said cabinet having a fan operatively connected thereto adapted to circulate the air in said cabinet.

2,278,206
DEICING MEANS FOR AIRCRAFT
Frederick George Marshall, Leamington Spa, England, assignor to Constant Speed Airscrews Limited, Warwick, England
Application April 28, 1941, Serial No. 390,827
In Great Britain February 27, 1940
5 Claims. (Cl. 244—134)



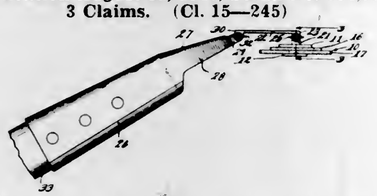
1. In aircraft the combination with a variable pitch propeller and with a source of supply, of a de-icing liquid of valves for controlling the distribution of said liquid over the machine and means responsive to adjustment of the pitch angle of the blades of said propeller for opening and closing said valves.

2,278,207
SPUN GLASS PRODUCTS
Kenneth N. Mathes, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 16, 1939, Serial No. 295,334
4 Claims. (Cl. 91—68)

1. A strong, flexible, non-tacky, abrasion- and tear-resistant article of manufacture consisting of glass fibers coated with a composition consist-

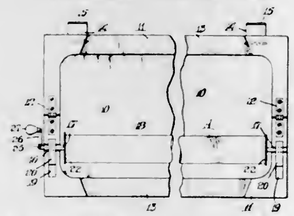
ing of approximately one part by weight of aluminum stearate and between one and two parts by weight of polyisobutylene.

2,278,208
SQUEEGEE
George F. Minnis, Chicago, Ill.
Application August 31, 1940, Serial No. 354,939
3 Claims. (Cl. 15—245)



1. A squeegee having a wiper head provided with clamping strips and oppositely projecting wiper strips, a frame pivoted to a clamping strip and adapted to be held in adjusted angular relation with respect thereto with its pivot axis extending longitudinally of the head, and a handle socket pivoted to the opposite edge of the frame for angular adjustment relative to the aforesaid angle of adjustment in a plane parallel to the aforesaid pivotal connection and adapted to be extended in reverse angles or to intersect the wiper head in an upside down position above the active edge of the wiper head.

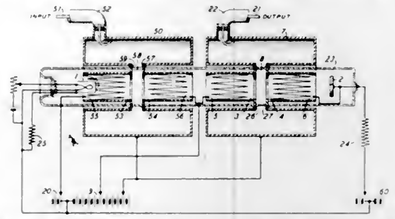
2,278,209
KNITTING BAG FRAME
Lee Bruce Moore, New York, N. Y.
Application May 20, 1941, Serial No. 394,246
2 Claims. (Cl. 150—34)



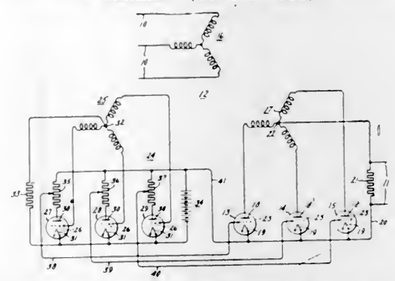
1. A knitting bag of the character described, comprising a flexible bag portion open at the top thereof, a closure frame for the open end of said bag, comprising hinged sections having recesses in the meeting faces thereof to form a slot opening into the bag when the frame is closed, one of said sections being provided in its meeting face with alined grooves having plates to close thereover, and a yarn spool having projecting axles to journal in said grooves beneath the plates, the yarn from the spool having free passage through the slot.

2,278,210
ELECTRON DISCHARGE DEVICE
Jack A. Morton, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 343,986
18 Claims. (Cl. 179—171)

6. A high frequency electronic device comprising a resonant cavity capable of being energized to support high frequency electrical oscillations, a gap in the structure of the cavity such that electrons may be passed across the gap through the high frequency electric field associated with the cavity when it is energized, a source of electrons external to the cavity, and means comprising electron accelerating electrodes polarized to produce oppositely directed accelerating fields for causing electrons from the said source to vibrate back and forth through the high frequency field across the said gap in the cavity structure, over substantially the same path, portions of the said path at each extremity of the portion through the high frequency field being free of high frequency field.



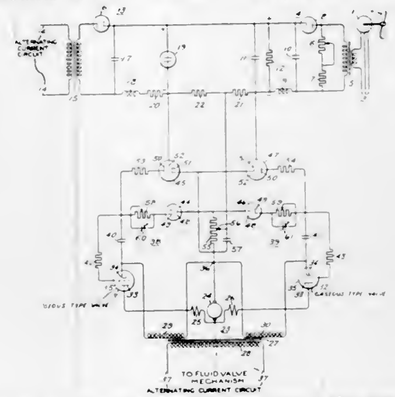
2,278,211
ELECTRIC CIRCUITS
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 6, 1940, Serial No. 344,281
7 Claims. (Cl. 175—363)



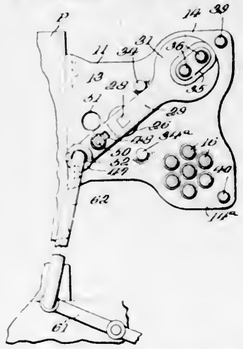
1. In combination, an alternating current circuit, a direct current circuit, means including a plurality of main electric valves for transmitting energy between said circuits, means for varying the conductivities of said main electric valves inversely with respect to the alternating potentials impressed on the anode-cathode circuits thereof including a plurality of auxiliary electric valves, means for varying the conductivities of said auxiliary valves in accordance with the instantaneous potential of said alternating current circuit and means for impressing a voltage dependent upon the conductivities of said auxiliary valves on the control members of said main electric valves.

2,278,212
ELECTRIC CONTROL SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1940, Serial No. 358,922
10 Claims. (Cl. 250—27)

1. In combination, a source of alternating current, a capacitance, means for establishing across said capacitance a voltage comprising an alternating component of the same frequency as that of said source and a unidirectional component, a pair of oppositely poled unidirectional conducting devices each connected in series relation with said capacitance for charging said capacitance in opposite directions from said source, and means for controlling the relative amounts of current conducted by said unidirectional conducting devices to control the magnitude of said unidirectional component.



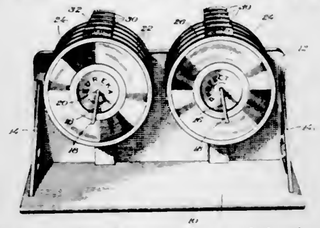
2,278,213
SIGNAL
Harry Quenon, Keystone, W. Va., assignor to Portable Lamp & Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1940, Serial No. 334,035
12 Claims. (Cl. 246—476)



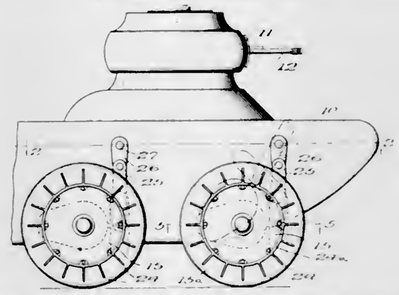
1. A signal comprising a stationary body member having thereon a plurality of reflecting surfaces of different colors to indicate various conditions of a track, an element movable with respect to said body member for selectively obliterating at least a part of one or another of said reflecting surfaces whereby to indicate a specific condition of the track by the exposed reflecting surfaces, and means providing additional reflecting surfaces on the movable element and of a still different color for cooperation with certain of the reflecting surfaces on said body member whereby to further indicate specific safety conditions of the track.

2,278,214
RECORD RACK
Herbert B. Pearson, Brooklyn, N. Y.
Application December 1, 1941, Serial No. 421,211
1 Claim. (Cl. 211—40)

A record rack comprising a support, a horizontal pin carried by said support having a diameter freely receivable in the opening of a record, said pin being of such length as to support a plurality of records, said pin being bent upwardly at its record receiving end, separators each having an opening freely receiving said pin arranged to be alternately positioned between the records, and identification elements on said separators projecting beyond the peripheries of their respective records, said separators being heavier diametrically opposite their identification elements to cause the separators to gravitate about the axis of said pin and position the identification elements uppermost.



2,278,215
COMBINED LAND AND MARINE VEHICLE
John Morris Poche, Gulfport, Miss., assignor of one-half to Lucas Vaccaro, New Orleans, La.
Application October 17, 1939, Serial No. 299,897
4 Claims. (Cl. 115—1)

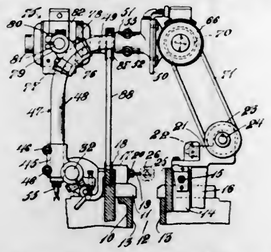


4. In a combined land and marine vehicle, a vehicle body, a driving shaft projecting from said body, an axle support journaled on said shaft, an axle journaled in said support, means yieldingly sustaining said support, a housing for said sustaining means, said housing being pivotally mounted to swing in an arcuate path about said driving shaft, means pivotally attached to said housing for altering the position of the housing and axle vertically of the vehicle body, means for transmitting rotary motion from said shaft to the axle, a wheel on said axle, and means carried by said wheel for propelling the vehicle when the latter is used for marine purposes.

2,278,216
MACHINE TOOL
Charles A. Rich, Providence, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island
Application December 27, 1939, Serial No. 311,158
1 Claim. (Cl. 248—16)

In a machine tool, a frame adapted to have mounted thereon attachments at different locations, an L-shaped motor support stand having a vertical leg and a horizontal leg, means to swivelly mount the vertical leg of said stand on said frame, the horizontal leg of said stand being

adapted to support a motor for movement to various locations to position the motor for driving



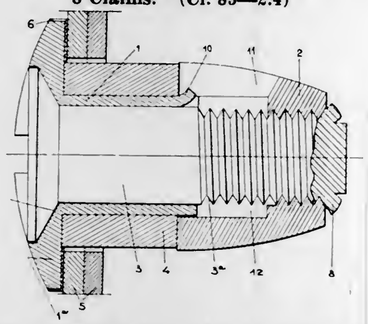
a selected attachment and lining up a belt for driving an attachment from said motor.

2,278,217

SECURING DEVICE UTILIZING THE RESILIENT DISTORTION AND INCOMPRESSIBILITY OF RUBBER

Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret, France

Application October 22, 1940, Serial No. 362,232
In France October 30, 1939
8 Claims. (Cl. 85—2.4)



1. In a securing device for assembling juxtaposed sheet metal plates or panels, a central rotating member, a tubular member mounted coaxially with said central member and comprising a base at one end, means for anchoring said base on the first of the panels to be assembled, a movable member adapted to axially slide without rotating relatively to the tubular member, a tubular block of rubber mounted on said tubular member so as to be crushed between the base of the latter and the movable member, and means for converting the rotation of the central member into longitudinal displacements of said movable member.

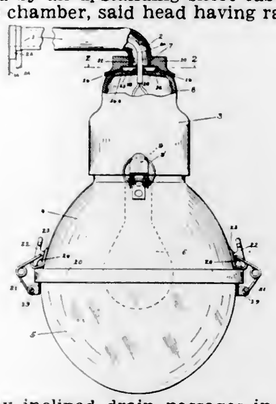
2,278,218

CANOPY FOR SUPPORTING LUMINAIRES

Michael Ruggieri, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application January 5, 1940, Serial No. 312,505
2 Claims. (Cl. 240—25)

1. As a new article of manufacture, a canopy for luminaires, said canopy being of a one-piece casting and comprising a shell portion of relatively thin wall formation and a head at the upper end of the shell of increased thickness, said head having a shallow horizontal chamber therein defining top, bottom and side walls, the top wall of the chamber having a central threaded opening therein of less diameter than said chamber, the bottom wall of the chamber being of substantially the same thickness as the shell portion and having a central aperture therein of less diameter than said threaded opening and surrounded by an upstanding short tubular boss within the chamber, said head having radial and



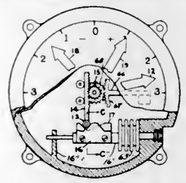
downwardly inclined drain passages in the side walls thereof forming communication between said chamber and the exterior of said canopy, the lower sides of the inner ends of the passages being in the plane of the top face of the bottom wall of the chamber.

2,278,219

AIRPLANE SAFETY DEVICE

Francis R. Shanley, Los Angeles, Calif., assignor to the Government of the United States of America as represented by the Secretary of the Navy

Original application May 15, 1934, Serial No. 725,815. Divided and this application September 9, 1939, Serial No. 294,175
4 Claims. (Cl. 73—152)



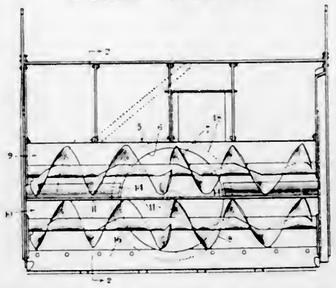
1. A device for indicating during the flight of an airplane, the approach and the existence of any flight condition characterized by certain predetermined combinations of the variables of acceleration acting on the airplane in a direction substantially perpendicular to the lifting surface of the airplane and the dynamic pressure due to the velocity of the airplane through the air comprising indices having pointers, some of said indices comprising members shaped in accordance with the contour of curves obtained by plotting positive and negative accelerations against dynamic pressure for said combinations, means for moving one of said indices in proportion to the variable of acceleration, said means including an accelerometer, a device responsive to variations in dynamic pressure connected to said indice members, the relative motions of the indices being such that their relative positions indicate at any instant the relation between the actual value of one of said variables and the values of the same variable which would be required to produce one of said combinations at the existing value of the other variable.

2,278,220

SNOW REMOVING APPARATUS

Irenée Sicard, Montreal, Quebec, Canada

Application December 26, 1940, Serial No. 371,716
In Canada November 18, 1940
1 Claim. (Cl. 37—43)



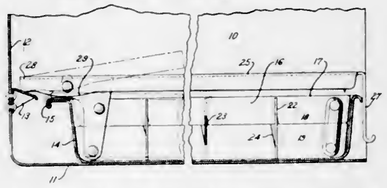
Snow removing apparatus of the character described comprising a scoop casing provided with a rear discharge opening, a partition extending the full width of said casing and across the central portion of said opening, said partition dividing said casing into separate upper and lower compartments, upper and lower screw conveyors mounted in said compartments to feed snow through the rear opening of the scoop casing, transversely curved plates arranged in the lower rear portion of the upper compartment at opposite sides of said opening and a transversely curved scraper plate arranged in the lower portion of the lower compartment and extending the full width of said casing.

2,278,221

REFRIGERATION

Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application September 5, 1939, Serial No. 293,396
5 Claims. (Cl. 62—108.5)



1. In combination with an evaporator of a refrigerator having a support for an ice tray, an ice tray positioned on said support, a grid assembly removably positioned in said tray and means carried by said grid assembly to cooperate with said evaporator for raising the tray from the support, said means being so constructed as to raise said grid assembly and attached cubes from the tray and separate the attached cubes from the grid assembly.

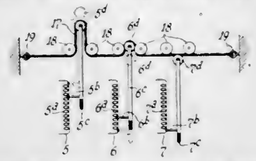
2,278,222

CONTROL SYSTEM

Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application December 7, 1940, Serial No. 369,071
15 Claims. (Cl. 175—312)

1. In an electrical control system comprising means for presetting a plurality of adjustable values in excess of two of an electrical quantity to be controlled, the combination of separate means for adjusting each of such values, a corresponding number of associated means providing for attainment of such adjustable values in sequence, an actuator for each of said last mentioned means selectively operable between two extreme positions, one of them being a normal position, and interlocking means for said actu-



ators, providing, upon movement of one actuator toward said other extreme position, for biasing the other actuators toward said normal position in such a manner that the sum of the departures of all of the actuators from said normal position does not exceed the distance between said extreme positions.

2,278,223

MANUFACTURE OF CATALYSTS

John F. Sturgeon, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 8, 1939, Serial No. 293,923
10 Claims. (Cl. 252—254)

1. A process for preparing a granular catalytic material useful in hydrocarbon conversion reactions which comprises forming a composite of precipitated alumina and chromia hydrogels, sufficiently freezing and then thawing said composite to destroy its gelatinous structure and to convert it into a substantially amorphous and non-gelatinous composite powder and an aqueous solution, filtering to separate a major proportion of said aqueous solution from said powder, washing the powder to remove water soluble impurities, forming said powder into particles, drying, and calcining said particles.

2. In a process for preparing an alumina containing composite material useful in the catalytic dehydrogenation of paraffins to olefins, the steps which comprise precipitating alumina hydrogel by addition of a base to an aqueous solution of an aluminum salt selected from the group consisting of the chloride, nitrate, and sulfate; sufficiently freezing and then thawing said hydrogel to destroy its gelatinous structure and to convert it into a substantially amorphous and non-gelatinous composite powder and an aqueous solution; filtering to separate a major proportion of said aqueous solution from said powder; washing the powder to remove water soluble impurities; drying; forming the powder into particles; and calcining said particles at a temperature in the approximate range of 900–1500° F.

8. A process for preparing a catalytic material useful in the dehydrogenation of paraffins to olefins which comprises co-precipitating alumina and chromia hydrogels by addition of a base to an aqueous solution containing aluminum and chromium salts forming a hydrogel composite; sufficiently freezing and then thawing said hydrogel composite to destroy its gelatinous structure and to convert it into a powder and an aqueous solution; filtering to separate a major proportion of said aqueous solution from said powder; washing the powder to remove water soluble impurities; drying and impregnating said powder with chromic acid; heating to remove water; compositing with the impregnated powder a relatively minor proportion of a magnesium

compound selected from the group consisting of the hydroxide, oxide, and chromate; forming the composited powder into particles; calcining said particles at a temperature in the approximate range of 900–1500° F.; and reducing a substantial proportion of the chromium trioxide in said particles to chromium sesquioxide by a reducing gas selected from the group consisting of hydrogen and hydrocarbons.

2,278,224

INHIBITOR

Philip Subkow, Los Angeles, Calif.

No Drawing. Application March 12, 1940, Serial No. 323,582
8 Claims. (Cl. 252—45)

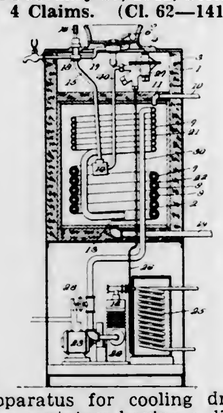
1. A composition of matter comprising a lubricating oil fraction and a compound of the general formula $RxR'xR$ where R is an aryl or alkyl aryl or a substituted aryl or alkyl aryl group, x is an element taken from the group sulfur or tellurium, and R′ is an alkyl group.

2,278,225

FLUID COOLER

Halsey W. Taylor, Warren, Ohio

Application February 25, 1941, Serial No. 380,552
4 Claims. (Cl. 62—141)



1. An apparatus for cooling drinking water comprising a container having a dispensing outlet adjacent its top, said container having a fluid storage tank therein, means for admitting a constant supply of water under pressure to said tank, a cooling unit submerged in the body of water in said tank, said cooling unit comprising two pipes sleeved one within the other and spaced apart to provide a water passage and a passage for a refrigerant, said water passage communicating at one end with said dispensing outlet and at its other end with the interior of said tank, and means for circulating said refrigerant through said last named passage for precooling the water in the storage tank before it enters said first passage.

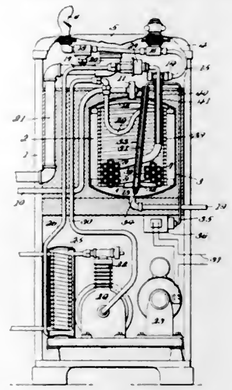
2,278,226

FLUID COOLER

Halsey W. Taylor, Warren, Ohio

Application March 3, 1941, Serial No. 381,579
8 Claims. (Cl. 62—141)

1. An apparatus for cooling liquid comprising a chambered body having a drinking fountain at its top, and a cooling coil confined and submerged within said chambered body, a fluid coil sleeved over and encasing a portion of said cooling coil to provide a water circulating passage, said fluid coil having a water intake opening adjacent the bottom and substantially in the middle of said



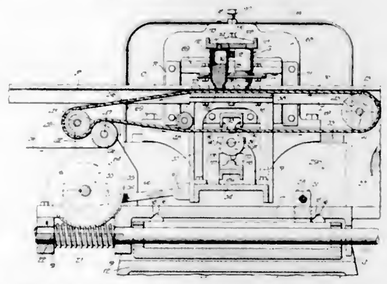
chambered body and a discharge connection at its upper end, and said cooling coil having intake and discharge connections for a refrigerating fluid.

2,278,227

MULTICOLOR FLOCK PRINTING MACHINE

Norman C. Thackeray, New Rochelle, N. Y., and George Newton Lusby, Hightstown, N. J.; said Lusby assignor to said Thackeray

Application October 9, 1940, Serial No. 360,492
12 Claims. (Cl. 101—115)



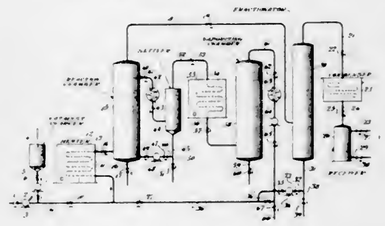
4. In a machine for applying ornamental adhesive spots upon fabric or the like to be flock printed, a flat reciprocal table, means for holding a sheet of fabric taut across said table and for moving it at a uniform rate of speed, adhesive applicator means superposed relative to said table, said applicator means including spaced adhesive containing receptacles, each receptacle having a bottom wall provided with discharge openings suitably arranged to form a design to be printed, means for bringing the bottom walls of the adhesive applicator means in printing contact with the fabric, automatic means for forcibly discharging adhesive from the discharge openings when the bottom walls of the receptacles are in printing contact with the fabric, means for simultaneously moving the table and the applicator means forwardly a predetermined distance at the same rate of speed as the movement of the fabric with the applicator means in printing contact with the fabric, means for moving the applicator means out of contact with the fabric upon the limit of forward movement of the same, means for moving the applicator means and the table rearwardly in a direction opposite to the direction of travel of the fabric to return them to their original positions for the next subsequent printing operation.

2,278,228

HYDROCARBON CONVERSION

Kenneth M. Watson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 13, 1940, Serial No. 334,793
10 Claims. (Cl. 196—52)



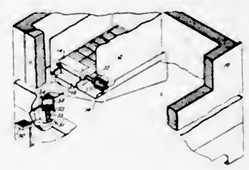
7. A process for converting hydrocarbon oil into substantial yields of high antiknock gasoline which comprises adding to said oil a powdered cracking catalyst in amount substantially less than that maintained in a subsequent reaction zone as hereinafter described, subjecting the mixture to catalytic cracking conditions of temperature and at a pressure adequate to maintain a substantial portion of oil boiling above the gasoline range in liquid phase in said reaction zone, removing the vaporous fraction and recovering gasoline and gas therefrom, withdrawing a portion of liquid reactants from said reaction zone to a separating zone, subjecting the portion to gravity settling whereby the catalyst is substantially removed from a part of the reactants, recovering the upper catalyst-free portion, returning a portion of the remaining oil from said settling zone containing a high concentration of catalyst in suspension to said reaction zone to build up and maintain a higher concentration of catalyst in said zone than is added to the aforesaid hydrocarbon oil and continuously withdrawing a portion of oil containing catalyst in suspension from said settling zone.

2,278,229

REFRIGERATION

Uncas A. Whitaker, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio

Application September 21, 1939, Serial No. 295,845
16 Claims. (Cl. 62—89)



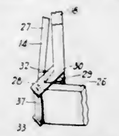
1. In combination with a refrigerator cabinet having a freezing compartment with a supporting shelf, an ice tray positioned on said shelf, means carried by said tray for raising said tray from said shelf, manually operable means on the exterior of said cabinet and hydraulic means for transmitting movement from said manually operable means to said tray-raising means.

2,278,230

ELECTROMAGNETIC RELAY

Fredric E. Wood, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 24, 1939, Serial No. 269,691
4 Claims. (Cl. 175—336)



2. An electromagnetic relay, comprising a longitudinally extending field element, a substantially L-shaped armature including a body portion and an operating portion disposed in angular relationship, means including a support carried by said field element adjacent the end thereof and provided with a laterally extending knife-edge engaging the knee of said armature for pivotally mounting said armature on said field element, whereby the body portion thereof is operatively associated with said field element, means including two outwardly and longitudinally extending members disposed on opposite sides of said field element adjacent said support for restraining said armature against lateral displacement, a concave leaf spring extending laterally between said members, the opposite ends of said leaf spring being supported by the ends of said members, and means including a mid-section of said leaf spring engaging a mid-section of the knee of said armature at a point disposed in alignment with the knife-edge provided on said support for retaining the knee of said armature in place on the knife-edge provided on said support.

2,278,231

MANUFACTURE OF PLASTICIZED POLYVINYL CHLORIDE FILAMENTS, SHEETS, ETC.

James G. E. Wright, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 29, 1939, Serial No. 281,883
8 Claims. (Cl. 260—36)

1. A composition of matter suitable for the preparation of filaments, sheets, or the like by coagulation with water, comprising a solution of polyvinyl chloride, a plasticizer therefor and tetraethyl silicate in a water-miscible organic solvent, the said silicate being present in amounts between 12 and 300 per cent by weight based on the weight of the polyvinyl chloride.

2,278,232

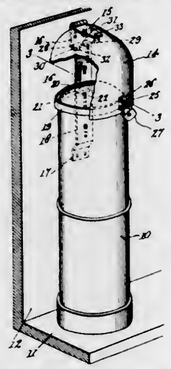
GAS INSTALLATION HOUSING

Peter A. Anderson, Portland, Maine, assignor to Utilities Distributors, Inc., Portland, Maine, a corporation of Maine

Application March 15, 1941, Serial No. 383,635
3 Claims. (Cl. 312—112)

1. An improved gas installation housing for a single tank comprising a back plate adapted to be secured at its upper and lower portions to a support and having intermediately a forwardly offset portion adapted to be spaced from the support, a hood hinged to the upper portion of the back plate and having a part adapted to extend partly over the tank, and a locking arm comprising a rear attaching end portion lying within and against the rear face of said offset portion of the back plate and attached thereto, a neck connecting with said attaching end by

an obtuse angle, a shank substantially parallel with said attaching end and offset backwardly and to one side thereof and adapted to be spaced from said support, said shank connected to said neck by an obtuse angle, and a curved section



of the arm adapted to extend forwardly in a wide sweep about said tank from said shank, and means for interlocking the outer portion of the arm with the hood in the lowered position of said hood.

2,278,233
MOLD CULTURE
Gilbert B. Ayres, Stamford, and Joseph George Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 16, 1939, Serial No. 279,470
1 Claim. (Cl. 195—56)

A dried culture of uniformly high proteolytic activity in the pH range of 7 to about 9.5, said culture consisting essentially of enzymes of *Aspergillus fumigatus* on a bran carrier and being the product of inoculating bran as the nutrient medium with the mold *Aspergillus fumigatus*, incubating the culture under conditions of heat and moisture whereby the bran is impregnated with enzymes of proteolytic activity, and drying the incubated culture.

2,278,234
MOLD CULTURE
Gilbert B. Ayres, Stamford, and Joseph George Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 16, 1939, Serial No. 279,471
1 Claim. (Cl. 195—56)

A dried culture of uniformly high proteolytic activity in the pH range of 7 to about 9.5, said culture consisting essentially of enzymes of *Penicillium camemberti* on a bran carrier and being the product of inoculating bran as the nutrient medium with the mold *Penicillium camemberti*, incubating the culture under conditions of heat and moisture whereby the bran is impregnated with enzymes of proteolytic activity, and drying the incubated culture.

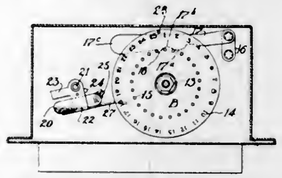
2,278,235
MOLD CULTURE
Gilbert B. Ayres, Stamford, and Joseph George Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 16, 1939, Serial No. 279,472
1 Claim. (Cl. 195—56)

A dried culture of uniformly high proteolytic activity in the pH range of 7 to about 9.5, said culture consisting essentially of enzymes of *Penicillium brevicaule* on a bran carrier and being the product of inoculating bran as the nutrient medium with the mold *Penicillium brevicaule*, incubating the culture under conditions of heat and moisture whereby the bran is impregnated with enzymes of proteolytic activity, and drying the incubated culture.

2,278,236
MOLD CULTURE
Gilbert B. Ayres, Stamford, and Joseph George Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 16, 1939, Serial No. 279,473
1 Claim. (Cl. 195—56)

A dried culture of uniformly high proteolytic activity in the pH range of 7 to about 9.5, said culture consisting essentially of enzymes of *Penicillium roqueforti* on a bran carrier and being the product of inocculating bran as the nutrient medium with the mold *Penicillium roqueforti*, incubating the culture under conditions of heat and moisture whereby the bran is impregnated with enzymes of proteolytic activity, and drying the incubated culture.

2,278,237
COUNTING DEVICE
Harold Louis Bornfleth, Rochester, Minn.
Application February 4, 1939, Serial No. 254,634
3 Claims. (Cl. 235—98)

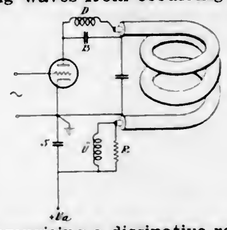


1. In a counting apparatus of the class described comprising in combination with a table top support formed with a delivery opening, a chute including an outer wall supported in said opening, a spaced apart inner wall connected at its upper end with said outer wall, and forming a central delivery passage, a counterweighted closure for said passage, a pivotal support within said inner wall for said closure supporting said closure for movement between two extreme positions, one in which the closure when depressed, swings down into the chute and the other in which it closes the chute, said counterweight biasing said closure to the latter position, an enlarged counter enclosing chamber at one side of the closure formed by spaced apart inner and outer chute walls, a disc counter within said chamber supported adjacent the inner wall, and operative means between said disc counter and said closure to operate the counter in the tilting of said closure on its pivot.

2,278,238
SHORT WAVE ARRANGEMENT
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 12, 1940, Serial No. 360,900
In Germany July 21, 1939
5 Claims. (Cl. 179—171)

1. In a radio frequency electron discharge device having a coil connected at one end to ground and at the other end to the anode for radio frequency energy, means for feeding direct current

to said anode comprising a second coil closely coupled to said first coil, and means for preventing standing waves from occurring between said



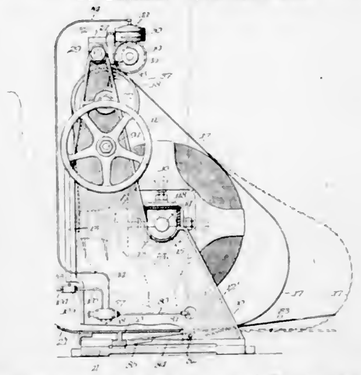
two coils comprising a dissipative resistance connected between a point on one of said coils and an adjacent point on another of said coils.

2,278,239
HOSE COUPLING
Clyde G. Butler, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1939, Serial No. 296,642
1 Claim. (Cl. 285—84)



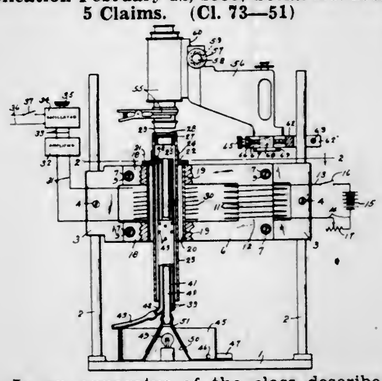
A hose coupling consisting of a nipple and a die cast sleeve element surrounding said nipple, said nipple having a series of annular grooves in its inner end, said inner end, including the grooves, cast within the die cast element, said sleeve element and nipple forming an annular recess, a hose including a layer of wire braiding and an inner layer of rubber, the end of said hose disposed in said recess and said die cast sleeve swaged into the wire braiding at a pressure insufficient to break the rubber lining disposed between the wire braiding and the nipple, whereby said annular grooves in the end of the nipple securely lock the nipple in position and constitute dams for preventing leakage between the die cast outer sleeve and the nipple.

2,278,240
COIL UNWINDER
Amos Calleson and Edgar A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 8, 1938, Serial No. 212,588
14 Claims. (Cl. 242—55)



3. In a coil unwinder, a reel for supporting a coil of stock material to be unwound, driving rolls positioned adjacent the reel for receiving and unwinding the coil of stock material from the reel, a balance plate movably positioned adjacent the reel for contact with the stock material after it leaves the driving rolls, said balance plate being adapted to be moved by the weight of the stock material when an excess amount thereof has been unwound, and means operatively connecting said balance plate and said driving rolls and adapted upon movement of said plate by the stock material to render the driving rolls inoperative.

2,278,241
APPARATUS FOR PRODUCING HIGH FREQUENCY MECHANICAL VIBRATIONS
Theodore W. Case, Auburn, N. Y.
Application February 12, 1938, Serial No. 190,348
5 Claims. (Cl. 73—51)

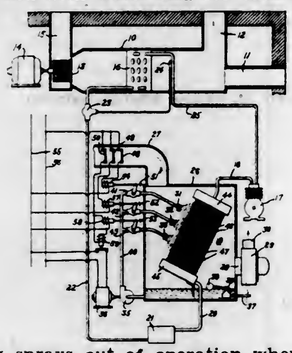


1. In an apparatus of the class described, a vibratile tube, means for resiliently supporting said tube in substantially a vertical position, means for vibrating said tube by high frequency electrical vibrations, means including a container open at the top and having a diaphragm bottom wall providing a window connected with the upper end of said tube for maintaining material to be treated in cooperative relation with the tube, means including a spray tube mounted within the vibratile tube for supplying a cooling medium to said latter tube, said spray tube having a light passageway extending longitudinally therethrough, and means for directing light rays through said passageway onto said window.

2,278,242
EVAPORATIVE COOLER
Robert L. Chapman, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 28, 1940, Serial No. 372,101
3 Claims. (Cl. 257—2)

3. An evaporative cooler comprising a bank of tubes for containing a fluid to be cooled, a plurality of parallel heat radiating fins arranged on said tubes transversely thereof, means including a plurality of sprays for spraying water onto the surface of said bank of tubes along said fins transversely of said tubes, each of said sprays being arranged to direct its spray onto a separate portion of the surface of said bank of tubes, means including a duct for directing a stream of air over said bank of tubes, said bank of tubes being so arranged that the stream of air passes simultaneously over said separate portions in parallel flow, and means dependent upon changes in the cooling demand of said cooler for selec-

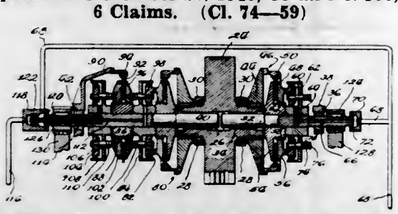
tively determining the number of said sprays to be supplied with water and for cutting the remaining sprays out of operation whereby each separate portion of said surface will be dry when its corresponding spray is not in operation.



2,278,243
SCREW PRESS

Albert Clements, Berwyn, Ill., assignor to Verson Allsteel Press Company, Chicago, Ill., a corporation of Delaware

Application November 22, 1940, Serial No. 366,610
6 Claims. (Cl. 74—59)



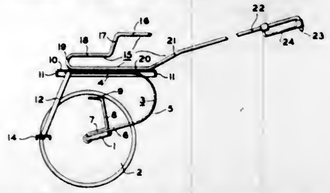
1. For use in a metal deforming machine of the type in which a slide is reciprocable in a frame and in which the slide carries a screw threaded through a nut rotatable in the frame so that rotation of the nut in one direction causes downward movement of the slide while rotation of the nut in the opposite direction causes upward movement of the slide: means for moving said slide through a complete and variable stroke by means of a motor having insufficient capacity to deform the metal being worked comprising, a motor, a heavy flywheel, means to drive said flywheel from said motor to store kinetic energy in said flywheel, a pair of clutches driven by said flywheel, a gear train connecting said flywheel to said nut when one of said clutches is engaged, a reversing gear train connecting the flywheel to said nut when the other of said clutches is engaged, brake means to prevent the rotation of either of said gear trains, and control means to effect the operation of said brake means and said clutch means in a desired sequence, said control means being adjustable to determine the length of stroke of said slide, whereby continuous operation of said motor will build up kinetic energy in said flywheel, and whereby said kinetic energy can be used to revolve said nut in either direction during predetermined intervals to effect upward or downward movement of said slide to a greater or lesser extent.

2,278,244
TOY VEHICLE

James Smithwick, Asheville, N. C.

Application June 10, 1939, Serial No. 278,551
3 Claims. (Cl. 280—60)

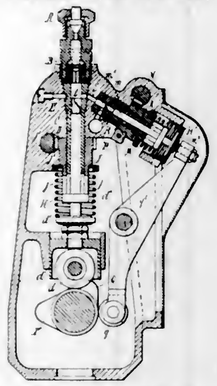
1. In a toy vehicle having a single axle and wheels supporting said axle, a rigid seat, spring means for resiliently supporting said seat on said axle, said means comprising substantially U-shaped members each having one end secured to said axle and the other end secured to said seat, and resilient substantially vertically disposed stop members integral with each of said U-shaped members and extending upwardly from a point thereof adjacent said axle, said stop members having bent over end portions slightly inclined from the horizontal and adapted for shock absorbing engagement with said seat upon overloading of said U-shaped members.



2,278,245
INTERNAL COMBUSTION ENGINE OF THE COMPRESSION IGNITION TYPE

Richard Friedrich Colell, Edgbaston, Birmingham, England, assignor to The Austin Motor Company, Limited, Northfield, Birmingham, England

Application February 3, 1939, Serial No. 254,483
In Great Britain February 5, 1938
5 Claims. (Cl. 103—41)

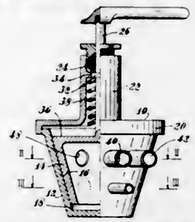


1. In a fuel injection apparatus for use with an engine of the compression ignition type, the combination of a fuel port, a non-return valve for the fuel port, a main fuel pump cylinder, a main piston working therein, a pilot pump cylinder, a pilot piston working therein, a fuel supply chamber common to the aforesaid main fuel pump cylinder and pilot pump cylinder, each of said cylinders having a suction port, each cylinder also having a delivery port, the pilot pump cylinder being positioned in proximity to and in communication with the main fuel pump cylinder, said cylinders being alternately in communication with the aforesaid fuel supply chamber with which the aforesaid suction ports communicate, whereby the piston of the one cylinder first causes fuel to flow back in to the common fuel supply chamber, fuel being then forced to the other cylinder through the suction port thereof and from said cylinder to the non-return valve and so to the fuel port in the engine cylinder.

2,278,246
VALVE AND THE LIKE

José Juan Cordova, Buenos Aires, Argentina

Application March 2, 1940, Serial No. 321,987
In Argentina December 21, 1937
3 Claims. (Cl. 251—106)

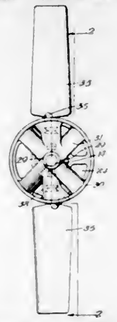


1. A valve comprising a casing and a valve body movable therein and containing a chamber, said casing having a set of ports comprising a plurality of aligned flow ports spaced apart in the direction of movement of the valve body and port means offset from said set of ports in a direction laterally of the direction of movement of the valve body, said set of ports and said offset port means being connected, one to supply means and the other to discharge means, said valve body having a set of ports comprising a plurality of aligned ports spaced apart in the direction of movement of the valve body and port means offset from said set in a direction laterally of the direction of movement of the body, all of the ports of the valve body opening into said chamber, the ports of the sets of ports in the casing and in the valve body being positioned in reverse sequence with the corresponding ports of each set having identical areas and being similarly spaced from the other ports of said set of ports, and the offset port means of the casing and valve body being similar and identically spaced with respect to the corresponding ports of the sets of ports in the respective casing and valve body so that the offset port means of the casing and valve body will simultaneously register with corresponding ports of the sets of ports of the valve body and casing respectively so that the flow through the valve is equally restricted at the inlet and outlet of said chamber.

2,278,247
PROPELLER

Jasper F. Cullin, Detroit, Mich., assignor of two-thirds to Lou Mervis, Lock Haven, Pa.

Application January 15, 1941, Serial No. 374,451
3 Claims. (Cl. 290—55)

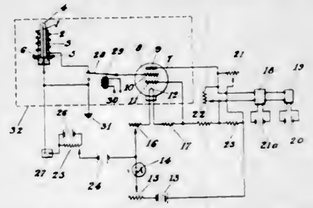


1. In a wind-driven propeller for driving an electric generator which is provided with a casing having openings in one of its ends, the combination of a shaft projecting from said end of the casing, a hub comprising a central member secured on the shaft, a rim, vanes between the rim and said central member, said rim being extended close to said end of the generator casing for directing air through the hub and to said openings, the hub being provided with radial sockets, and variable pitch blades having shanks secured in the sockets.

2,278,248
PROCESS AND APPARATUS FOR MONITORING GASES

William A. Darrah, Chicago, Ill.

Application December 6, 1939, Serial No. 309,373
9 Claims. (Cl. 177—311)

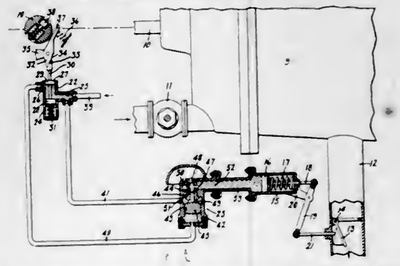


1. A device for monitoring gas to detect a reactive deleterious material carried by said gas to be monitored, said device consisting of a pair of electrodes, an electrolytic contacting medium forming part of the circuit between said electrodes, said electrolytic medium being reactive with said deleterious material and arranged so that a portion of said electrolite is exposed to the gas to be monitored while a second portion is separated from the gas to be monitored, by a shield formed of solid material one of said electrodes being in contact with the electrolite exposed to the gas to be monitored and one of the electrodes being in contact with the electrolite shielded from said gas to be monitored.

2,278,249
HYDRAULIC CONTROL MECHANISM

Charles H. Davis, Saugus, Mass., assignor to General Electric Company, a corporation of New York

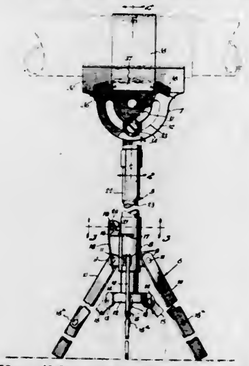
Application July 20, 1940, Serial No. 346,585
2 Claims. (Cl. 137—139)



1. A valve comprising a casing having a lower large diameter bore, an upper small diameter bore, a first port near the upper end of the large bore and another port near the lower end of the large bore, a second port and a third port communicating with the small bore, a differential piston in the bores and having passages to connect in one position the second port to the first port and in another position to connect the second port to the third port, and means to limit

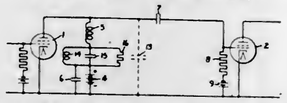
upward movement of the large diameter part of the differential piston to a point below the connection of the first port with the large bore.

2,278,250
TELESCOPE SUPPORT
Frederick B. Diesbach, Hamilton, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, both of Hamilton, Ohio, as trustees
Application June 29, 1938, Serial No. 216,556
2 Claims. (Cl. 248—183)



1. A collapsible mounting stand for a telescope or the like, comprising: a supporting post including a base, a head on said post, said head rotatively and tiltably adjustable, means for securing the head in adjusted position, a yieldable cradle for receiving the telescope, and a strap associated with the cradle for fastening the telescope therein.

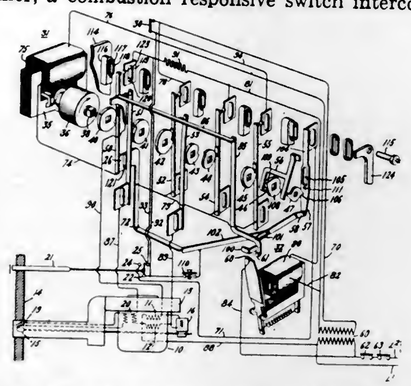
2,278,251
TRANSMISSION SYSTEM
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 5, 1941, Serial No. 391,902
3 Claims. (Cl. 178—44)



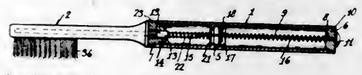
1. The combination, in a transmission circuit for currents having a wide range of frequencies, of inductance and capacity each connected in shunt to said circuit and resonant at a frequency within said band, a shunt combination of resistance, inductance and capacity connected in series with one of said first mentioned elements and resonate at the same frequency, said resistance damping said first mentioned elements at said frequency.

2,278,252
CONDITION CONTROL SYSTEM AND APPARATUS
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 27, 1940, Serial No. 347,994
20 Claims. (Cl. 158—28)

13. In combination, a burner, electroresponsive means for controlling the operation of said burner, said means having an energizing control circuit for controlling said burner to establish combustion and a holding control circuit for controlling said burner to maintain combustion after the establishment thereof, an electrically operated sequential circuit control timer for closing said energizing control circuit for a limited period during operation of said timer, a thermostatic switch, a starting control circuit for said timer under the control of said thermostatic switch, a running circuit for said timer automatically closed by said timer for a predetermined longer period upon the starting of operation of said timer, a combustion responsive switch interconnected with said thermostatic switch for closing the said holding control circuit of said electroresponsive means upon the establishment of combustion during said limited period, a normally closed lockout switch operated between two positions upon energization of said electroresponsive means and connected in at least one of said control circuits for preventing operation of said burner upon the opening of said lockout switch and means including a movable stop positioned in the path of said lockout switch by said timer at the end of said limited period for opening said lockout switch upon deenergization of said electroresponsive means at said time.

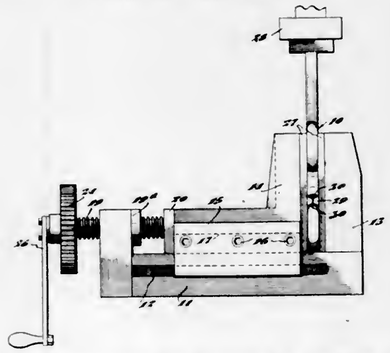


2,278,253
DISPENSING DEVICE
George C. Ellsworth, Cleveland Heights, Ohio
Application February 19, 1940, Serial No. 319,777
2 Claims. (Cl. 221—102)



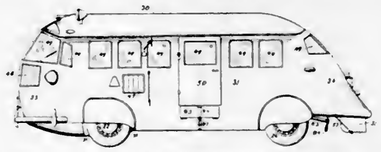
1. A dispensing means including a tubular casing, a closure means for each end of the casing, one of said closure means comprising three portions, the intermediate portion being dimensioned to snugly fit the interior wall of said casing and being smaller in cross sectional area than the outer portion but larger in cross sectional area than the inner portion, all of said portions having registering uniform bores extending therethrough, the inner portion having a transverse slot therein communicating with said bore, a piston slidable in said bore and adapted to be projected beyond said slot, said piston having a reduced portion, an operating rod longitudinally disposed in said casing and secured to the reduced portion of said piston, an abutment integral with the inner walls of said casing, said abutment being so constructed and arranged that a fluid in said casing is substantially unobstructed in its flow therepast, a narrow stop member freely slidable on said rod and adapted to contact said abutment, a resilient member disposed about the reduced portion of said piston and extending between said piston and said stop member to force said piston into said bore beyond said slot, said reduced portion on said piston adapted to contact said stop member to prevent complete withdrawal of said piston from said bore.

2,278,254
APPARATUS FOR FORMING HEATING COILS
Winford L. Enghauser, Cincinnati, Ohio, assignor to The Production Plating Works, Inc., Lebanon, Ohio, a corporation of Ohio
Original application December 1, 1938, Serial No. 243,423. Divided and this application November 17, 1939, Serial No. 304,983
2 Claims. (Cl. 153—21)



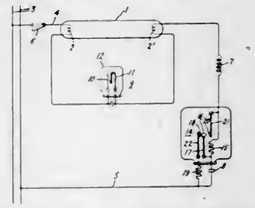
2. An apparatus for forming a heating coil, comprising a base, a stationary jaw fixed on said base, a movable jaw adjustably mounted on said base for movement toward and from the first jaw, said jaws in their relationship providing a deep slot for receiving a reversely bent length of pipe adapted to form the coil, means attached to the movable jaw and arranged to react against a portion of the base for adjusting the movable jaw on the base for clamping the jaw upon the pipe in the slot to prevent lateral spread of the pipe, and a plate-like die adapted to enter said slot for pressing the runs of the pipe closer together.

2,278,255
AMPHIBIAN
Wendlin P. Grabbe, Hays, Kans., assignor to Magic Auto and Collapsible Life Boat Company, Denver, Colo., a corporation
Application October 22, 1938, Serial No. 236,377
4 Claims. (Cl. 115—1)



4. In an amphibian transport unit having a conventional wheeled, steerable, automobile chassis powered for self-propulsion, means associated with said chassis for the flotative support thereof in water, said means comprising a substantially flat, bottom panel fixed in laterally and longitudinally projecting relation beneath said chassis and formed with offset portions adapted to accommodate the chassis wheels for ground engagement, a floor panel coextensive with said bottom panel fixed to and in covering relation with said chassis in spaced relation above said bottom panel, vertical offsets in said floor panel adjacent the opposite ends of said chassis, side walls sealed to and filling the space between aligned margins of said bottom and floor panels to complete a flotation compartment enclosing said chassis, and buoyant tanks symmetrically disposed in side and end portions of said flotation compartment exteriorly of said chassis.

2,278,256
ELECTRIC DISCHARGE LAMP CIRCUIT
Theodore W. Frech, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 27, 1941, Serial No. 376,090
4 Claims. (Cl. 176—124)



1. In combination, an electric discharge lamp having spaced electrodes therein, ballast for said lamp including a capacitor, means for connecting said lamp and ballast together in series to be supplied from a source of current supply, starting means connected in shunt with said lamp, said electrodes being arranged to become initially heated by current flow through said ballast and starting means, a switch connected to shunt said capacitor, means responsive to the current in said connecting means for opening said switch after a predetermined time delay, and means responsive to the current in said connecting means for subsequently closing a shunt around said switch opening means.

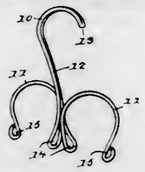
2,278,257
PROCESS OF FROSTING GLASS
Daniel P. Gallagher, Harrison, N. J.
No Drawing. Application November 22, 1938, Serial No. 241,826
6 Claims. (Cl. 41—42)

1. The process of imparting an inside frost to a glass bulb which comprises subjecting the bulb to a solution comprising substantially 23% hydrofluoric acid, 20% ammonium bifluoride, 4% sodium bicarbonate, 33% denatured alcohol, 10% soda and 10% water.

2,278,258
BOOT HANGER
Leon L. Gillett, Scranton, Pa.
Application July 1, 1941, Serial No. 400,665
3 Claims. (Cl. 211—34)

1. A boot hanger comprising a hook and boot engaging spring clamps, the clamps being of inverted U form in front elevation and disposed at opposite sides of and extending laterally beyond the shank of the hook, the inner ends of the clamps being connected to the lower end of the shank of the hook, and the bill of the hook being

located above the clamp, the inner and outer ends of the clamps being adapted to firmly grip



the shank portions below the sole of inverted boots.

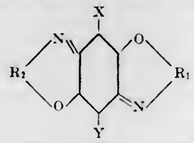
2,278,259
PROPELLER AND THE LIKE
Otto R. Gischow, New York, N. Y.
Application October 8, 1937, Serial No. 167,923
3 Claims. (Cl. 170—164)



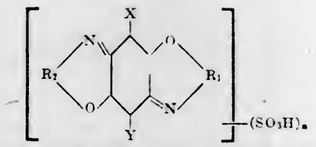
1. In combination with an airplane having an engine, a propeller embodying a hub mounted on said engine shaft for revolution therewith, a plurality of blades and means common to said blades for connecting them to said hub for movement relatively thereto and relatively to each other, in response to forces automatically acting on said blades at a flight moment, said means including a common axis upon which said blades are rotatable, disposed parallel to the face of said hub and angularly intersecting the longitudinal axes of the respective blades, and yieldable means carried by said hub effective on said mountings to control their forward movement and adjustable stops for limiting their movement in the reverse direction, said latter stops providing for a predetermined low pitch setting of said blades.

2,278,260
DIOXAZINE DYESTUFFS
Heinrich Greune, Frankfort-on-the-Main, and Gerhard Langbein, Hofheim in Taunus, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application November 29, 1938, Serial No. 242,920. In Germany December 4, 1937
6 Claims. (Cl. 260—246)

1. The compounds of the group consisting of those of the general formulae:

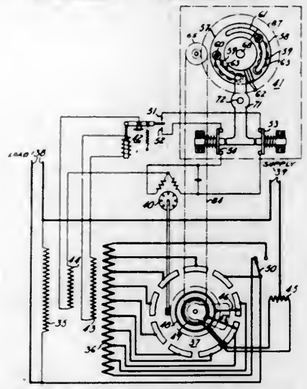


and



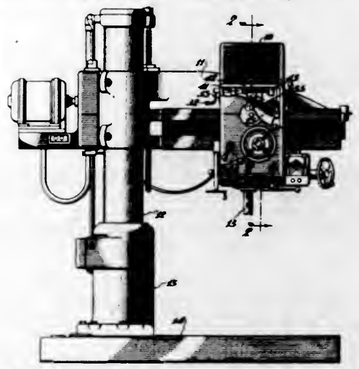
wherein X and Y represent members of the group consisting of hydrogen, halogen and methyl, R_1 and R_2 represent different aryl radicals and n represents one of the numbers 1 to 8 inclusive.

2,278,261
VOLTAGE REGULATOR
Leland H. Hill, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 15, 1941, Serial No. 374,433
13 Claims. (Cl. 171—119)



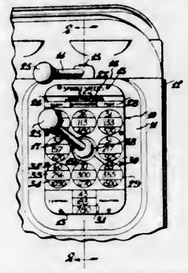
1. In combination, a supply circuit, a load circuit connected to said supply circuit, electroresponsive means for regulating the voltage of said load circuit to a predetermined value independent of variations of the voltage of said supply circuit within a predetermined range, said regulating means having a maximum safe current value, means for limiting operation of said regulating means, and means for varying said limiting means whereby said maximum safe current value and said range of variation are varied.

2,278,262
COUNTERWEIGHT MECHANISM FOR DRILL SPINDLES
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works, Cincinnati, Ohio, a corporation of Ohio
Application October 3, 1939, Serial No. 297,722
9 Claims. (Cl. 77—36)



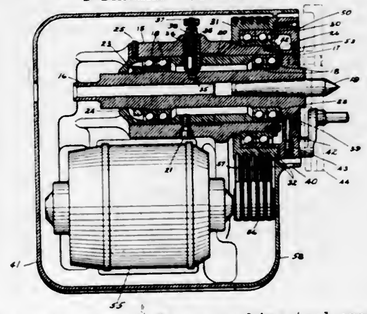
1. A counterbalancing mechanism in a machine tool having an axially movable spindle, which comprises, a lever rotatable about an axis and coupled for rotation to the spindle to which a counterforce is to be applied, and a tension spring connected to the lever for exerting a restraining force thereon, the point of connection of the spring to the lever being so related to the axis of rotation of the lever that the tension of the spring times the mechanical lever arm distance between the axis of rotation and the axis and line of force of the spring, when the lever is in one position, is substantially equal to the tension of the spring times the mechanical lever arm distance from the axis of rotation to the axis and line of force of the spring, when the lever is in another position within the limits of travel of the said spindle.

2,278,263
SPEED INDICATOR MEANS
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works, Cincinnati, Ohio, a corporation of Ohio
Application November 25, 1940, Serial No. 367,154
7 Claims. (Cl. 116—124)



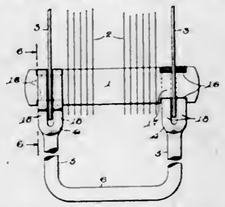
1. An indicator plate for indicating speed, comprising a plate having panels disposed horizontally across the top portion indicating speed ranges in color and words, and a series of panels arranged in rows vertically and horizontally, each of said panels including stripes corresponding in colors to the several colors of the range indicating panels, and numbers in each stripe indicating the revolutions per minute, said plate adapted to be mounted relative to levers, one of which operates horizontally relative to the range indicating panels and the other of which operates horizontally and vertically relative to the speed indicating panels and, whereby it is possible for the operator to determine the speed by the combined position of the levers relative to the panels.

2,278,264
SPINDLE BEARING
Milburn A. Hollengreen and Charles R. Mentzer, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application January 25, 1939, Serial No. 252,813
4 Claims. (Cl. 82—30)



4. In a headstock for a machine tool comprising a spindle having a flanged portion at one end, a spindle housing, bearings in said housing for supporting said spindle therein, a face plate having an opening therein slightly larger than the flanged portion of said spindle, means for sealing the space between said flange and said opening, a pulley for driving said face plate, and bearings on the outside of said housing for supporting said pulley, said spindle bearings and said pulley bearings being in substantially the same axial position.

2,278,265
TAPE SELVAGE HARNESS
Frank W. Hollingsworth, Jr., Philadelphia, Pa., assignor to Walker Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 5, 1940, Serial No. 344,086
9 Claims. (Cl. 139—91)



1. In a selvage harness, the combination of a heddle bar with a suspending means having a bifurcated portion providing integral, fixedly spaced fingers which encircle a portion of said bar, and a side rod engaging said bar between the spaced fingers of said bifurcated portion.

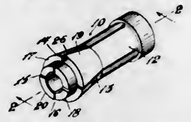
2,278,266
SNAP HOOK FOR TAPE SELVAGE HARNESSES
Frank W. Hollingsworth, Jr., Philadelphia, Pa., assignor to Walker Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 5, 1940, Serial No. 344,086. Divided and this application June 5, 1941, Serial No. 396,775
9 Claims. (Cl. 139—91)



1. The combination of a selvage harness and a supporting bail, with a snap hook normally surrounding the central portion of said bail, the shank of said hook being provided with an aperture, a resiliently positioned retaining tongue having an integral laterally extending lug op-

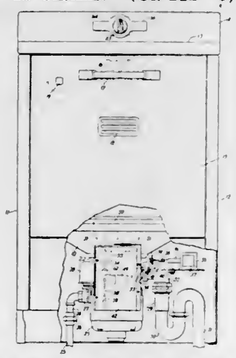
erative to normally prevent said ball from shifting longitudinally with respect to said hook, said lug being retractable into said aperture when said tongue is retracted to release said ball.

2,278,267
COLLET
Ossian G. Holmes, Riverside, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island
Application October 17, 1940, Serial No. 361,491
7 Claims. (Cl. 279—51)



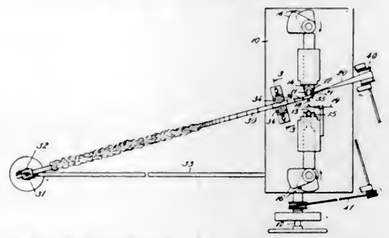
1. A collet for a machine tool comprising a tubular body provided with a plurality of jaws, each jaw provided with an inner friction work-gripping surface and an outer surface to cooperate with a sleeve for the application of pressure on the jaws, some of said jaws when being free from the influence of any pressure or force having their gripping surface positioned at a greater distance from the axis of the body than other of said jaws whereby work of certain diameters may be constantly engaged by some of the jaws and engaged by other of said jaws only when binding pressure is applied.

2,278,268
WASHING APPARATUS
Leslie A. Kempton, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Application December 16, 1940, Serial No. 370,402
12 Claims. (Cl. 141—9)



1. A dishwashing apparatus comprising a washing vat; fluid circulating means in said vat; an electric motor for driving said fluid circulating means; a fluid supply conduit for said vat; a normally closed inlet valve for controlling said conduit; inlet valve electroresponsive means for controlling said inlet valve; a fluid measuring relay for controlling the deenergization of said inlet valve electroresponsive means comprising a switch electrically connected in series with said electroresponsive means, and a solenoid for operating said switch in accordance with the magnitude of the armature current of said motor; a drain conduit for said vat; a normally open valve controlling said drain conduit; drain valve electroresponsive means for controlling said drain valve; and a multiposition control switch for selectively controlling the energization of said fluid measuring relay, said inlet valve electroresponsive means, said drain valve electroresponsive means and said motor; said control device having one position in which said fluid measuring relay is shunted; said motor means and said inlet valve electroresponsive means are energized, and said drain valve electroresponsive means is deenergized; a second position in which said fluid measuring relay is shunted, said drain valve electroresponsive means are energized, and said inlet valve electroresponsive means and said motor are deenergized; a third position in which said drain valve electroresponsive means is energized, said fluid measuring relay means is shunted, said motor is energized, and said inlet valve electroresponsive means is deenergized; a fourth position in which said drain valve electroresponsive means and said inlet valve electroresponsive means are energized and said motor is energized through said solenoid of said fluid measuring relay so that when the armature current of said motor reaches a predetermined value corresponding to a predetermined quantity of fluid in said vat said solenoid is picked up to actuate said switch associated therewith to deenergize said inlet valve electroresponsive means; and a fifth position in which all of said electrical means are deenergized.

2,278,269
LOOP GUIDE AND METHOD OF APPLYING LOOPS TO MACHINES
Hugo A. Klahre, Teaneck, N. J., assignor to Consolidated Trimming Corporation, New York, N. Y., a corporation of New York
Application March 16, 1939, Serial No. 262,148
14 Claims. (Cl. 28—2)

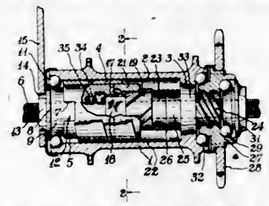


1. The combination of a movable member, stationary spaced fingers for holding the loops of a looped heading, said fingers straddling the movable member, and means for pulling the heading to transfer its loops from the fingers onto the movable member.

13. The herein disclosed method of applying the loops of a looped heading to a longitudinally movable part of a machine for affixing material to said loops, which consists of applying a continuous tension to the heading to pull the heading transversely across said longitudinally movable part of the machine, and guiding the loops in open condition into the path of said longitudinally movable part of the machine.

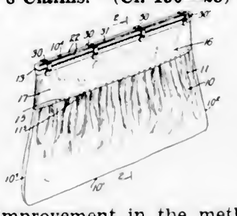
2,278,270
BACKPEDALING BRAKE FOR VELOCIPEDES
Stanley B. Kurzina, Jr., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 12, 1940, Serial No. 369,842
7 Claims. (Cl. 192—6)

1. In a backpedaling brake for velocipedes, a wheel hub, driving means therefor, a helical stationary brake member in the hub, said brake member being so constituted that a rise in its temperature will increase its diameter less than the same temperature rise will expand the hub,



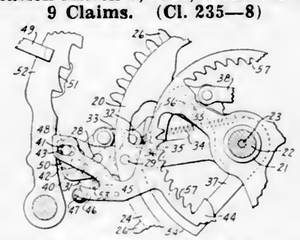
and means responsive to backward rotation of the driving means for expanding the brake member into frictional engagement with the interior of the hub.

2,278,271
CONTAINER AND METHOD OF MAKING THE SAME
Michael Laitman, Brooklyn, N. Y.
Application March 2, 1940, Serial No. 321,851
8 Claims. (Cl. 150—28)



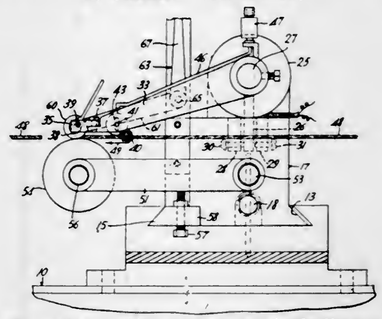
1. That improvement in the method of preparing containers of the character described comprising the steps of providing a covering blank, and a lining blank, folding an edge of said covering blank upon itself and providing and attaching a reinforcing member along said edge, folding both said blanks upon themselves, superposing one of the two folded blanks upon the other, attaching the two folded blanks together along one margin thereof, enveloping the covering blank by said lining blank, rimming another margin of said blanks to form a rimmed mouth opening, attaching the two folded blanks together along another margin separated from said first-named margin by said rimmed mouth opening and then enveloping said lining blank by said covering blank.

2,278,272
CASH REGISTER
Laurence N. Lehman, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application March 5, 1941, Serial No. 381,781
9 Claims. (Cl. 235—8)



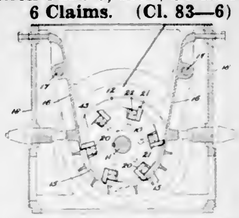
1. In a device of the class described, the combination of a driving member; a driven member; a latch carried by the driven member and coacting with the driving member to connect the driven member to the driving member; means yieldably connected to the driven member to block the latch against unlatching movement and; means to arrest motion of the blocking means, as the driven member continues to move, to unblock the latch, said driving member effective after the latch is unblocked to move said latch to disconnect the driven member from the driving member.

2,278,273
GLASS CUTTING APPARATUS
Don R. Limbers, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 19, 1941, Serial No. 398,797
10 Claims. (Cl. 33—32)



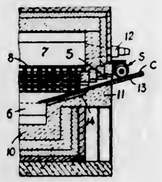
1. In a glass cutting apparatus including means for conveying sheet glass along a predetermined path, a reversing electric motor having a drive shaft, a crank arm on the shaft, a cutter on the arm movable toward and away from the path of movement of the glass conveying means in response to operation of the motor, and motor reversing means for automatically actuating the cutter into and out of cutting position.

2,278,274
CUTTER BLADE HOLDER FOR TRITURATORS
Arthur C. Lind, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 6, 1939, Serial No. 277,705
6 Claims. (Cl. 83—6)



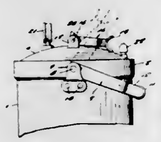
1. In a rotary cutter of the class described, a rotatable cutter member having an outwardly extending wall adjacent its periphery; a pair of axially spaced outwardly tapering cutter blades extending beyond the periphery of said member, each having a face contacting said wall; a blade holder having a spacing element disposed between said blades arranged to maintain them in axially spaced relation, said holder also having a face engaging the face of each blade which is opposite that engaging the wall of said member; and means for causing wedging engagement between said holder, blades and member wall.

2,278,275
SEAL FOR FURNACE OPENINGS
Vernon E. MacDonell, Metuchen, N. J., assignor to International Smelting and Refining Company, a corporation of Montana
Application June 19, 1941, Serial No. 398,710
9 Claims. (Cl. 263—1)



1. Apparatus for sealing an aperture in a furnace or the like comprising a generally tubular member formed with a relatively wide slot extending lengthwise thereof and adapted to be mounted across the face of the aperture to be sealed, and a plurality of relatively thin flat elements positioned face to face within the tubular member throughout substantially the length of the slot therein, the flat elements being capable of projecting outwardly through the slot and further being capable of movement relatively to one another in a direction substantially perpendicular to the axis of the tubular member.

2,278,276
STEAM PRESSURE COOKER
Claude Maddox, Flemingsburg, Ky.
Application April 25, 1940, Serial No. 331,671
1 Claim. (Cl. 220—56)



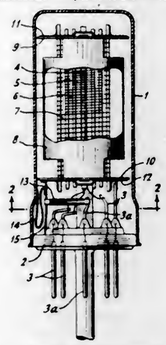
In a steam pressure cooker, a receptacle having a downwardly converging mouth, a cover adapted to seat downwardly in said mouth, and means to force said cover downwardly into seated position comprising a bail pivoted adjacent its ends to said receptacle for vertical swinging movement over said cover into and from upstanding position, and a yoke-like member pivoted on said cover for vertical swinging movement into upstanding position within the confines of said bail about an axis parallel with the axis of movement of said bail and having a concave cross bar adapted to be interlocked with said bail under swinging of said bail and member into upstanding position, said bail and member being swingable into dead center position and having their axes of swinging movement vertically spaced in a common substantially vertical plane whereby under swinging thereof into dead center position said bail exerts downward pressure on said member to force said cover home in said seat, said bail and member being swingable in interlocked relation slightly past dead center position and said member being provided with a lateral base lug for abutting the top of said cover whereby the bail and member may be locked against swinging in either direction after said cover is forced home.

2,278,277
HOSIERY AND METHOD OF MAKING SAME
Louis H. Mendelsohn, Paterson, N. J.
Application April 24, 1941, Serial No. 390,160
9 Claims. (Cl. 66—178)



7. Full-fashioned hosiery having a seam from top to toe at the front thereof and having narrowing marks concealed by said seam.

2,278,278
METAL ENVELOPE RADIO TUBE
James F. Miller, Rochelle Park, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1941, Serial No. 381,028
4 Claims. (Cl. 250—27.5)

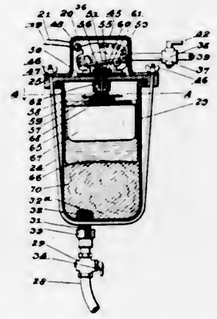


1. An electron discharge device comprising a cup-shaped metal shell, a glass disc header telescoped into the end of said shell and hermetically sealed directly along its periphery to the inside surface of the shell adjacent the rim of the shell, lead-in conductors sealed through said header, a permanent electrical connection between one of said conductors and said shell comprising a flexible metal ribbon welded at one end to the inside surface of said shell, and connected at the other end to said one conductor.

2,278,279
WARNING SIGNAL FOR COOLING SYSTEMS OF AUTOMOBILES
Dale R. Morris, Greenville, Ohio
Application March 3, 1939, Serial No. 259,682
1 Claim. (Cl. 200—84)

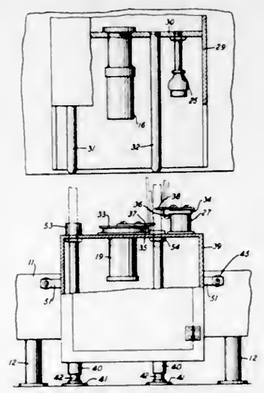
In a warning signal for cooling systems of automobiles, a container adapted to be secured in position adjacent the normal level of the fluid in the cooling system, a cover for the container having an opening therein, a float in the container, a switch operating rod projecting through

the opening in the cover and having the inner end engaging the float, a lever formed of conducting material and pivoted at one end on the cover and insulated therefrom, insulating material secured to the underface of the lever and resting on the projecting end of the rod, a contact secured to and insulated from the cover, the free end of the lever adapted to engage the con-



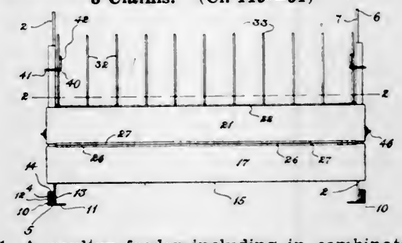
tact when the rod is lowered, a sleeve secured to the underface of the cover, a bushing secured to the cover located within the sleeve and slidably receiving the rod, a cup-shaped member secured to the upper face of the float, received by the sleeve and cooperating with the bushing for maintaining the rod in vertical alinement with the insulating material on the lever.

2,278,280
ELECTRICAL SWITCHING DEVICE
John G. Pfeiffer, Dumont, and William Weston, Scotch Plains, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 328,664
4 Claims. (Cl. 173—328)



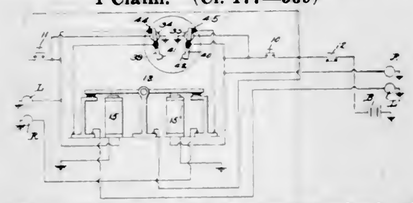
1. An electrical switching device comprising a switch member mounted for movement, a switch element for electrical engagement with the switch member, means to cause lateral movement of the element to cause alignment of the element with the member, and resilient means normally holding the switch element in a predetermined position and to adapt the switch element for movement into other positions by the aligning means.

2,278,281
POULTRY FEEDER
Arthur N. Plante, Torrington, Conn.
Application September 3, 1940, Serial No. 355,175
8 Claims. (Cl. 119—61)



1. A poultry feeder including in combination, a pair of sheet material standards, opposite upright edges of each standard having a margin folded over toward the outer surface of the standard to form a tongue and channel, and a sheet material trough having the side walls thereof terminating beyond the end walls in respective margins, each of which is folded inwardly to form a tongue and channel adapted for sheathed slidable engagement with a similarly formed and appropriate margin of the end standards.

2,278,282
DIRECTIONAL SIGNAL
William J. Porter, Chattanooga, Tenn.
Application June 21, 1940, Serial No. 341,773
1 Claim. (Cl. 177—339)

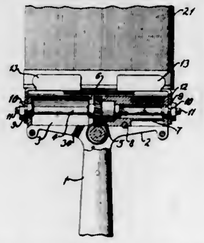


The combination with a steering wheel, of a directional signal including a normally open lamp circuit having a relay and a normally open switch shiftable to momentarily close the circuit to the lamp and to energize the relay, a normally closed switch, means for shunting a portion of the current from the momentarily closed circuit through the normally closed switch to keep the relay energized when the normally open switch is restored to normal position, and means operated by the rotation of the wheel in one direction for opening the normally closed switch to break the circuit to the relay and lamps, said normally closed switch including a lever normally engaged at one end with a contact, an electromagnet so connected as to be energized when the relay and lamp circuit is closed, said magnet constituting means, when energized, for shifting one end of the lever into the path of said wheel-operated means for actuation thereby, and means for urging the lever into normal position.

2,278,283
ADJUSTABLE BRUSH AND BRUSH HANDLE
Nicholas J. Raptis, Rockville Centre, N. Y.
Application April 3, 1940, Serial No. 327,705
1 Claim. (Cl. 306—12)

In a brush and a handle therefor, the combination of a T-shaped handle made of two identically hollowed out halves so that when the said halves are matched the hollowed parts form a

tubular opening lengthwise and clear through the crosshead of the T; a pair of brackets fitted atop of the crosshead of said T-shaped handle, said brackets having upstanding oppositely spaced flanges forming a sort of a groove adapted to receive the correspondingly shaped base of a brush, each of said brackets also having a downwardly extending angularly apertured flange, the apertures of each being adapted to register with the tubular openings at the ends of the cross-head of the handle; a bolt fitted in the tubular contour of the cross-head of the handle, said bolt having gear-cogs or teeth formed around its middle and angularly shaped extensions terminating in screw-threaded ends adapted to match and be secured to the said angularly apertured downwardly extending flanges of the



brush-receiving brackets; an aperture at the intersection of the cross-head and stem of the T-shaped handle, said aperture being at right angles to and merging with the tubular portion of the cross-head just at the gear-teeth of the bolt in the tube of the cross-head; in combination with a worm-threaded screw in the lastly-named aperture contacting and meshing with the said gear-teeth, a head on said worm-threaded screw whereby it can be turned in the aperture; and all of said parts and elements so arranged and co-related that when the said worm-threaded screw is turned either to the right or to the left the brackets holding the brush will also turn and correspondingly change the relative angle between the handle and the brush.

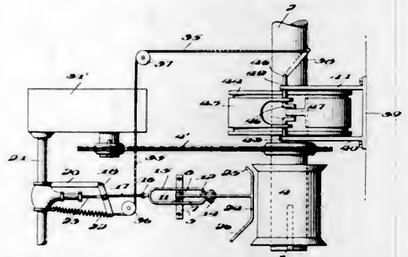
2,278,284
STABILIZING CELLULOSE YARNS
John S. Reese, IV, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1938, Serial No. 214,152
13 Claims. (Cl. 8—116)

10. The process of stabilizing cellulose yarns against deterioration by heat which comprises impregnating said yarns with biuret to an extent sufficient to stabilize said yarns against deterioration by heat.

2,278,285
STABILIZED CELLULOSE YARNS AND METHOD OF PREPARING SAME
John S. Reese, IV, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1938, Serial No. 214,153
8 Claims. (Cl. 8—124)

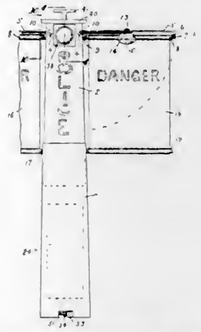
1. The process of stabilizing unmodified regenerated cellulose yarns against deterioration by heat which comprises impregnating said yarns with urea to the extent of at least 3% by weight of said yarns.

2,278,286
CATHEAD SAFETY DEVICE
Stephen D. Rowe, Wichita Falls, Tex.
Application June 28, 1940, Serial No. 343,041
4 Claims. (Cl. 254—173)



3. In a safety device for a rotary cathead, the combination with a source of motive power, a control means for said motive power, a rotary cathead driven by said motive power, a toggle connected to said control means including a member located adjacent to said cathead, another member forming part of said toggle pivotally connected to said first member, and normally in line therewith and connected to said control means, said first member being adapted when actuated to break said toggle and actuate said control means to stop operation of said source of motive power of said rotary cathead, a brake adapted to stop rotation of said rotary cathead, said brake having an operating lever and means having its opposite ends connected directly to said control means and said brake lever for actuating positively said brake whereby operation of said brake and source of motor power are simultaneously controlled, a shaft on which said rotary cathead is mounted, said brake having a drum, said drum being mounted on said shaft.

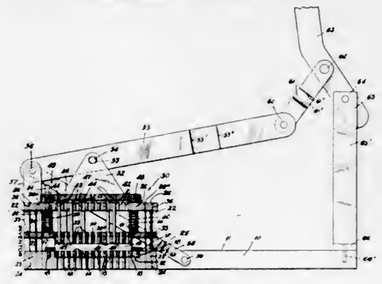
2,278,287
SIGNAL
Edward S. Ryan, Duluth, Minn.
Application May 10, 1940, Serial No. 334,427
5 Claims. (Cl. 116—173)



1. In a collapsible portable danger signal device of the type described, a hollow major housing portion, a hollow minor housing portion, telescopically united within said major housing portion, and normally non-separable therefrom, arms pivotally supported in the upper extremities of two opposite sides of said minor portion and extendable from vertical position within said minor portion laterally to substantially horizontal position, signal banners removably

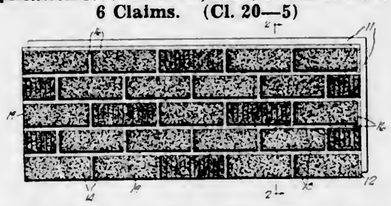
carried by said arms when laterally extended, and a light for illuminating said banners when in signalling position.

2,278,288
GANG PUNCH
John Edward Sadler, Richmond, Va., assignor to The Duplex Envelope Company, Inc., Richmond, Va., a corporation of Virginia
Application April 4, 1941, Serial No. 386,757
2 Claims. (Cl. 164—93)



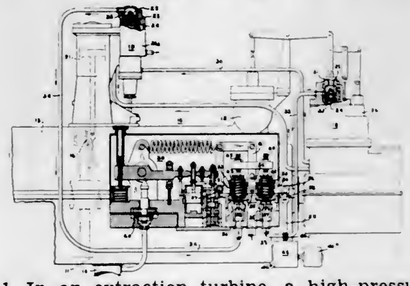
1. In a device of the character described, a base member having a plurality of vertically extending perforations, a punching head guidably mounted in spaced relationship over said base member, individually-removable punching elements carried by said head, and means for moving said head-carried elements toward and away from said base member, said means comprising vertically-extending members rigid with said base, a vertically-extending member rigid with said head, a lever pivotally connected to one of said first-named vertically extending members and with said second-named vertically extending member, an operating lever pivotally connected to another of said first-named vertically extending members and a link member pivotally connecting said two levers, said levers being arranged and admeasured to provide a leverage ratio in favor of the operator for moving said head.

2,278,289
MASONRY SIMULATING MATERIAL
Gilbert J. Snyder, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana
Application November 12, 1940, Serial No. 365,259
6 Claims. (Cl. 20—5)



6. A building covering comprising a plurality of rigid panels of building covering material adapted to be arranged in abutting co-planar relation, said panels being surfaced with granules of one color at a plurality of spaced masonry simulating areas thereof and with granules of a second color at depressed mortar-joint-simulating areas thereof including marginal areas at two adjacent sides of said panels, and a narrow band of granules of said second color surfacing the portions of the edges of said panels opposite said depressed marginal areas which abut marginal depressed areas of adjacent panels, whereby said bands cooperate with said marginal areas of adjacent panels to define a complete mortar joint and to conceal the joint between said panels.

2,278,290
EXTRACTION PRESSURE REGULATING APPARATUS
Hall Steen-Johnsen, Greensburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 10, 1941, Serial No. 387,798
4 Claims. (Cl. 60—67)



1. In an extraction turbine, a high-pressure section, a low-pressure section separated from the high-pressure section by an extraction chamber, an extraction line, an admission valve for controlling the admission of steam to the high-pressure section, an extraction valve for controlling the admission of steam from the extraction chamber to the low-pressure section, servo-motors for controlling the admission and extraction valves, an impeller for developing fluid under pressure varying substantially as the square of the speed of the turbine, relays for controlling the application of motive fluid to the servo-motors, each relay having opposed first and second piston areas, means providing impeller pressure chambers for the first piston areas of the relays, means providing a back pressure chamber for the second piston area of each relay and into which fluid escaping from the impeller pressure chamber of the first piston area accumulates to develop back pressure, conduits connected to the back pressure chambers and having escape openings, cup valves in covering relation with respect to the openings, a pressure regulator including an abutment subject to extraction pressure, a first lever movable angularly about a pivot and having oppositely-extending arms, first and second springs between the arms and the respective cup valves, the arrangement being such that, with an increase in extraction pressure, the back pressure on the admission valve servo-motor relay is increased and that on the extraction valve servo-motor relay is decreased and vice versa, a speed changer, a second lever movable angularly about a pivot by adjustment of the speed changer, a third and equalizing lever pivoted at an intermediate point to the second lever, and third and fourth compression springs between opposite ends of the third lever and the cup valves.

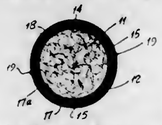
3. In a pressure regulator, a first lever having opposed arms, means responsive to pressure to tilt the first lever, means providing spaces for first and second controlling pressures and each space having an escape opening, first and second cup valves for the escape openings, first and second compression springs between the arms and the cup valves, a second lever, means for moving the second lever angularly, a third or equalizing

lever pivotally connected at an intermediate point to the second lever, and third and fourth compression springs arranged between the other end of the third lever and the first and second cup valves.

2,278,291
MATRIX
Hylton Swan, Upper Montclair, and Sigfried Higgins, Verona, N. J., assignors, by mesne assignments, to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application November 24, 1936, Serial No. 112,468
11 Claims. (Cl. 101—401.1)

1. Matrix molded by compression under pressures of five hundred pounds or less from a sheet composition comprising a pulp stock of long and short fibers in proportions ranging from about two parts by weight of long fibers to from one to six parts of short fibers and containing from substantially forty to sixty per cent based on the weight of fibers of a heat-hardening type of resin added in discrete particle form, said stock having incorporated therein from about twenty and up to seventy-five per cent based on the dry weight of the stock of molding material fines prepared from a heat-hardening resin and a fibrous filler and having a surface coating of molding material fines, said matrix being characterized by a smooth floor with sharp definition in its depressed areas and an unfinished mattelike surface with rounded edge contours for its relief areas.

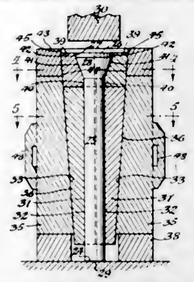
2,278,292
GAME BALL
William J. Voit, Los Angeles, and Leith C. Weimer, Southgate, Calif.; said Weimer assignor to said Voit
Original application October 25, 1938, Serial No. 236,856. Divided and this application July 27, 1940. Serial No. 347,894
7 Claims. (Cl. 273—58)



1. In a game ball: a substantially solid core of air-pervious, compacted fibrous material; a gastight rubber wall enveloping said core; a concentric layer of fibrous strands enveloping said rubber wall; and a wear-resisting overall rubber cover contiguous to said layer of strands.

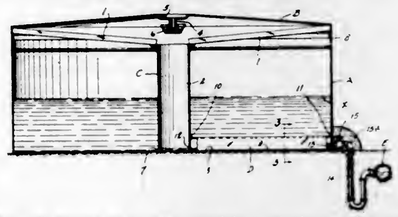
2,278,293
FORGING APPARATUS
William J. Watson, Dunkirk, N. Y.
Application April 16, 1941, Serial No. 388,841
2 Claims. (Cl. 78—62)

1. An apparatus for forging mandrels having a slender stem and an enlarged head at the upper end of the stem from a blank which is of uniform shape throughout its length, said apparatus comprising a lower pair of opposed clamping die sections provided on their inner sides with faces adapted to grip the lower part of the blank, an upper pair of opposed forming die sections provided on their inner sides with faces adapted to form the head on the blank, a lower holder enclosing said clamping die sections and having wedging engagement with the outer sides of the clamping die sections, an upper retainer enclosing said forming die sections and having wedging engagement with the outer sides thereof and a spacer adapted to be interposed between the underside of the holder and an anvil for supporting the holder at a distance from the anvil and permitting the lower die sections to project below



the holder while the blank is arranged between the upper and lower pair of die sections and the lower end of the blank is resting on the anvil while the upper end of the same is engaged by a hammer for producing a head thereon.

2,278,294
DRAINAGE MEANS FOR TANK ROOFS
John H. Wiggins, Chicago, Ill.
Application March 11, 1940, Serial No. 323,297
1 Claim. (Cl. 220—85)

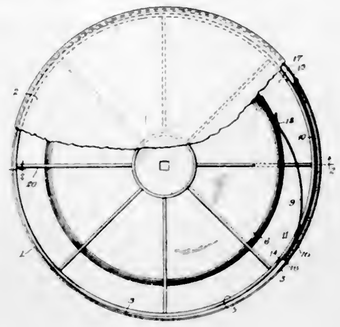


An oil storage tank provided at its center with a water collection chamber formed by a vertically-disposed, tubular member of relatively great diameter, attached at its lower end to the bottom of the tank and having its upper end open and terminating inside of the tank above the level of the oil in the tank, a roof, a supporting structure for said roof, attached to said centrally-disposed, tubular member and projecting upwardly and radially from the upper end of said member, said roof having a drain opening through which drain water is discharged from the roof into said collection chamber under certain conditions, and an eductor on the bottom of the tank, projecting radially from said center tubular member and provided with inlet and discharge openings located below the horizontal center of said eductor.

2,278,295
FILM REEL CAN
William Wilson, Helsinki, Finland
Application December 5, 1940, Serial No. 368,588
3 Claims. (Cl. 312—31)

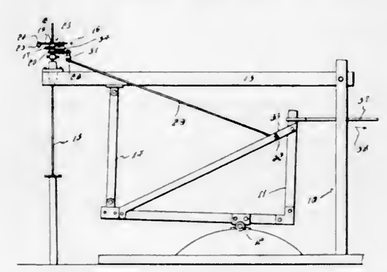
1. A film can including a can body, a member made from resilient material positioned in said body so that it will fit flatwise against the inner surface of a wall of the can body, said member having a pressed-out resilient tongue having one end merging into one end of said member and the other end extending toward the center of the can body, means securing said member to said can body in fixed position, and a

humidifying pad positioned between said member and said wall with the center portion thereof



exposed through the opening in said member resulting by reason of the tongue being pressed therefrom.

2,278,296
ROTATOR ATTACHMENT FOR PUMPING JACKS
James O. Wilson, Strawn, Tex.
Application July 24, 1941, Serial No. 403,918
2 Claims. (Cl. 74—21)

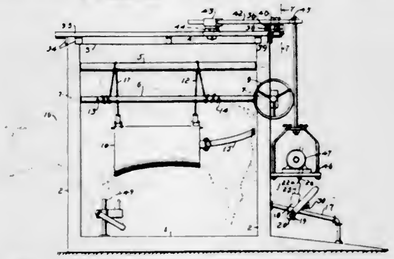


1. In combination with a pumping jack and a well rod connected thereto and actuated thereby, a ratchet wheel adapted to be keyed to the well rod above the walking beam of the pumping jack, a lever rotatably connected to the well rod, a connecting rod connected at one end to an end of said lever and connected at its opposite end to the rocking frame of the pumping jack, a ratchet dog pivotally connected at one of its ends to said lever, between the well rod and the connecting rod, and extending from the side of said lever, opposite the side from which the connecting rod projects, the free end of said dog being disposed to engage the teeth of the ratchet wheel, a contractile coil spring connected at one end to the intermediate portion of said dog and anchored at its opposite end to the lever for yieldably positioning the free end of the dog, relatively to the lever so that the dog will ride over the teeth of the ratchet wheel when the lever is turned in one direction relatively to the well rod and will engage with the teeth of the ratchet wheel for turning the ratchet wheel and well rod, when the lever is swung in the opposite direction, said lever being arranged to engage and turn the ratchet wheel and well rod on the down or gravity stroke of the well rod.

2,278,297
HANDLING THERMOPHORE MIXTURES
Hugh Wood, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 16, 1941, Serial No. 415,251
2 Claims. (Cl. 252—71)

2. In a system employing as a circulating heat transfer medium a fused inorganic salt composition comprising alkali nitrates and nitrites at elevated temperatures, the method of adding aqueous mixtures of said salt to said system which comprises the steps of mixing anhydrous salt with aqueous salt in quantity sufficient to reduce the aqueous content of the resultant mixture to an amount of the order of five per cent, heating the resultant mixture to a temperature between its melting point and that at which water is expelled therefrom, and introducing it directly and in regulated small amounts into the circulating composition which is at a temperature substantially above that necessary to expel water from the added mixture.

2,278,298
STRUCTURE FOR USE IN TRIMMING CATTLE HOOFS
Milton Young, San Jose, Calif.
Application December 10, 1940, Serial No. 369,424
5 Claims. (Cl. 119—100)

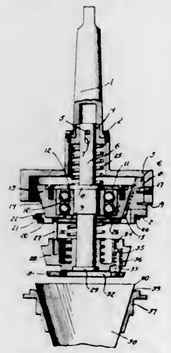


1. In combination, a cattle stall including an elevated frame, a sling depending from the frame and disposed to underlie the body of an animal in the stall, means associated with the frame operative to raise or lower the sling, a foot holding device disposed adjacent each corner of the stall, a horizontal track encompassing the top edge of the stall, a carriage mounted on the track, a member pivotally mounted on the top of the stall, a horizontal bar slidably mounted in said member and fixedly seated on said carriage and projecting beyond said track, and a tool carrying platform depending from the projecting end of said bar.

2,278,299
METHOD OF AND APPARATUS FOR CURLING EDGES ON CONTAINERS
Cesare Barbieri, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application February 26, 1940, Serial No. 320,733
16 Claims. (Cl. 93—36.5)

1. In apparatus for curling the edge portion of a container, a container holder, a supporting member, means carried by said member for disposition inside a container to clamp the container against said holder, a curling iron in the nature of a split ring carried by said member for contacting and rolling the edge portion of the container upon relative axial movement be-

tween said holder and said member, a cam element carried by said member, spreader elements also carried by said member and engaged with the curling iron, said spreader elements being positioned to follow said cam element, and resilient means tending to urge said spreader ele-



ments to expand said curling iron, said spreader elements following said cam element to contract said curling iron upon relative movement towards each other between the holder and supporting member to form a curled rim bead on the container.

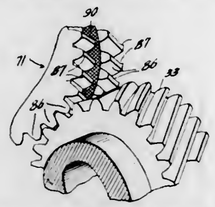
2,278,300

TOOL FOR CHAMFERING AND BURRING

Harry L. Barter and John M. Christman, Detroit, Mich., assignors to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Original application October 11, 1935, Serial No. 44,629, now Patent No. 2,206,443, dated July 2, 1940. Divided and this application April 1, 1940, Serial No. 327,328

8 Claims. (Cl. 90—1.4)



2. As an article of manufacture, an element for effecting deformation and flattening of the lateral end edges of the teeth of an unhardened toothed gear, said element having axially spaced toothed portions for rolling engagement with the laterally opposite ends of the gear teeth, and means for effecting relative angular adjustment of said toothed portions to vary the extent of deformation of the gear tooth end edges.

8. As an article of manufacture, an element for effecting removal of burrs from the outer circumferential ends of the teeth of an unhardened toothed member, said element having a generally cylindrical roughened surface for engagement with the tooth ends, and having a toothed portion dimensioned for rotative meshing engagement with said toothed member, the relative diameters of said roughened surface and said toothed portion being such that the said roughened surface is rotated at a linear speed slightly different from the linear speed of the tooth ends of the member.

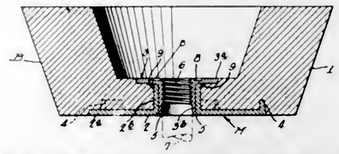
2,278,301

GRINDING WHEEL

Hans E. Bauer, Philadelphia, Pa., assignor to Abrasive Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 12, 1941, Serial No. 378,670

2 Claims. (Cl. 51—209)



1. A molded cup-shaped article of the character described comprising a circular body member having a continuous side wall and a base portion provided with an axial bore centrally therein, and a composite mounting embedded and bonded in the base portion of the body at and adjacent the bore therein, said mounting comprising a central sleeve portion lining the bore in the base portion of said body member and spaced annular disk portions disposed respectively with their outer surface flush in the inner and outer surfaces of the body member base portion, the disk portion disposed in the outer surface of the base portion having a diameter greater than the diameter of the inner surface of said base portion, and lugs arranged peripherally of the disk portion in the outer surface of the base and projecting into the body member in a zone outwardly of the junction of the inner surfaces of the side wall and base portions of said body member and in alignment with said side wall.

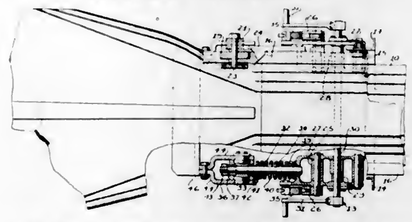
2,278,302

FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 16, 1940, Serial No .361,375

4 Claims. (Cl. 198—220)



1. In a shaker conveyer and in combination with a feeding device therefor, a reciprocating trough section, an extensible trough section, a pair of friction grip blocks adapted to have selective engagement with said extensible trough section during certain strokes of the conveyer, for extending or retracting said extensible trough section with respect to said reciprocating trough section, a carrier member forming a mounting for said grip blocks, a link pivotally connected between said reciprocating trough section and the upper end of said carrier member, a yieldable link pivotally connected between said reciprocating trough section and the lower end of said carrier member, means to position said carrier member to cause said grip blocks to grip said extensible trough section during either the forward or return strokes of the conveyer, to extend or retract said extensible trough section, and a stop

on said extensible trough section adapted to engage said yieldable link, to cause said link to form a yieldable stop for said extensible trough section.

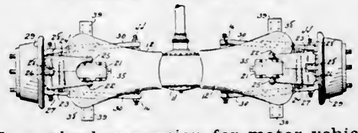
2,278,303

WHEEL SUSPENSION FOR MOTOR VEHICLES

Paul Blaser, Rosevear, Alberta, Canada, assignor of five per cent to Theodore L. W. Matter, Leduc, Alberta, Canada

Application April 5, 1941, Serial No. 387,086

2 Claims. (Cl. 280—124)



1. In a wheel suspension for motor vehicles, a support member adapted to be fitted on the side section of an axle housing comprising a flat plate tapered longitudinally of the housing section to form a relatively wide shoulder portion at its outer end, the under side of the said shoulder portion being formed to provide a pair of transversely spaced bosses constituting spring receiving seats, a skirt depending from the edge of the said shoulder portion, and a pair of vertically depending relatively wide side skirt sections formed at the edges of the inner reduced portion of the plate and merging into the skirt portion about the shoulder.

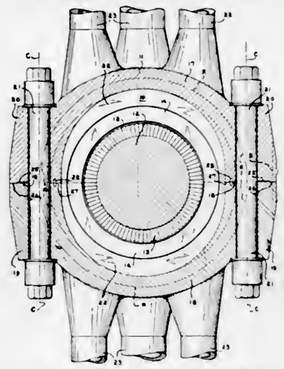
2,278,304

JOINT CONSTRUCTION

Joseph D. Conrad, Springfield, and Kenneth R. Stearns, Prospect Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1940, Serial No. 348,332

3 Claims. (Cl. 253—39)



1. A casing subject to high internal pressure comprising a pair of parts; flange portions integral with said parts; said parts, including the flange portions, having meeting surfaces defining a joint; at least one of said surfaces having a groove extending longitudinally thereof and defining inner and outer contact surfaces; and a plurality of bolts associated with said flanges for connecting said parts, said bolts being positioned with said inner and outer contact surfaces disposed inwardly and outwardly thereof and at such a distance from the longitudinal centerline of the casing that the ratio of the distance from an arc describing the center of the casing wall to the center of the outer contact surface to the distance from the centerline of said bolts to said center of the outer contact surface lies between the limits 1.5 and 0.6.

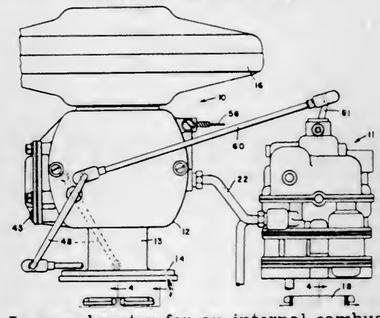
2,278,305

CARBURETOR

Jay S. Culp, Detroit, Mich.

Application July 15, 1940, Serial No. 345,552

8 Claims. (Cl. 261—49)



1. In a carburetor for an internal combustion engine, means providing an air-fuel admixing chamber in communication with a source of suction and fed with air and fuel from supply sources thereof, means providing a cylinder in communication with said source of suction, a pair of pistons freely arranged one within the other and within said cylinder and movable in one direction under the influence of said suction and in the opposite direction in opposition to said suction, valve means carried by one of said pistons for movement therewith and operable for controlling the feeding of the fuel to said chamber, other movable valve means operable for controlling the feeding of the air to said chamber, lever means operatively connected to the other of said pistons for movement therewith, and other lever means operatively connected to said second-named valve means for movement therewith and to said first-named lever means for movement therewith.

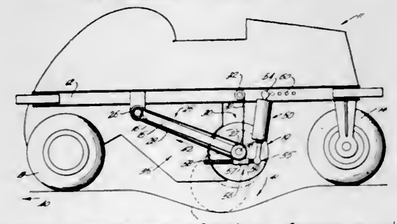
2,278,306

VACUUM CONTROL FOR POWER SWEEPER BROOMS

Travers K. Cushman, Anaheim, and Claude A. Pullen, Santa Ana, Calif., assignors to a partnership composed of Claude A. Pullen and Marie Sherman, both of Santa Ana, Calif.

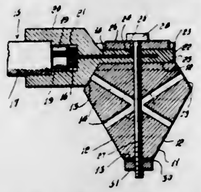
Application November 6, 1940, Serial No. 364,546

10 Claims. (Cl. 15—82)



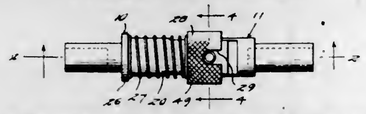
1. In a power sweeper having a frame, a rotatably driven broom, the combination of a lifting and lowering control for the broom including means for creating a vacuum, vacuum cylinder and piston constructions interconnected between the frame and the broom with piping connection from the cylinders to the vacuum source, and valve means in said piping system to control the degree of vacuum in the cylinders and hence the lifting or lowering of the broom.

2,278,307
BATTERY POST CONNECTOR
Alphonse Henry Eisler, Jr., New Orleans, La.
Application May 10, 1940, Serial No. 334,465
2 Claims. (Cl. 173—259)



1. In a battery post connector, the combination with a battery post having an enlarged head of polygonal formations defining a plurality of obtusely angled flat sides, said head having a plurality of intersecting bores extending transversely thereof with the bores respectively opening at the flat sides intermediate the ends thereof, of a conductor having a head at one end thereof with a reduced blade-like stem projecting from the end of the head with the sides of the stem and adjacent end portions of the head defining obtusely angled faces, the stem being flatly engaged with a flat side of the post head and the adjacent end face of the conductor head being engaged with the adjacent flat side of the post head, said stem having an opening therein registering with a bore in the post head and a lock bolt extending through the registering opening and bore for retaining the conductor engaged with the battery post head.

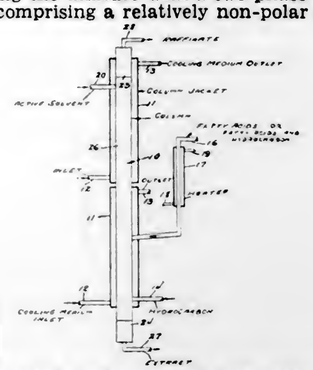
2,278,308
QUICK DETACHABLE COUPLING OR FITTING
Harry W. Fairchild, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application December 11, 1941, Serial No. 422,577
8 Claims. (Cl. 287—104)



1. A connector comprising a pair of separable members, one of said members comprising a clevis, coupling means carried by said clevis, the other of said members comprising a cylindrical body, a pair of spaced apart arms integral with and extending from an end of said body, a pin extending between said arms and also extending laterally thereof, an annular flange on said body, a cylindrical locking sleeve slidable on said body and said arms, said sleeve having a pair of diametrically disposed slots in which the lateral extensions of said pin are engageable, a spring between said flange and said sleeve for normally urging said sleeve to locking position, and coupling means carried by said body and extending from the latter oppositely from said arms.

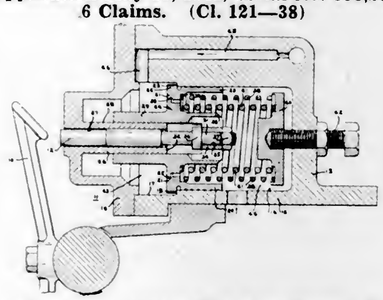
2,278,309
FRACTIONATION OF FREE FATTY ACIDS
Stephen E. Freeman, Wauwatosa, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 17, 1940, Serial No. 335,793
11 Claims. (Cl. 260—419)

1. A process of extracting a relatively active fraction from a mixture of free fatty acids comprising such active fatty acid in admixture with less active fatty acid, which process comprises contacting the mixture with a two phase solvent system comprising a relatively non-polar hydro-



carbon solvent and an active polar solvent immiscible therewith, separating the immiscible solvents and eliminating them from the fatty acids dissolved therein.

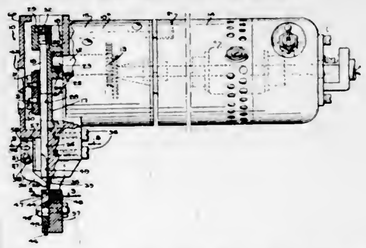
2,278,310
HYDRAULIC TRIPPING MECHANISM
Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1941, Serial No. 393,200
6 Claims. (Cl. 121—38)



1. The combination with an element to be moved, of mechanism including a rod having a range of axial movement and so disposed in relation to said element that movement of the rod in one direction is utilized to impart movement to the element; said mechanism comprising a cylinder coaxial with said rod; said cylinder having a head provided with an opening through which said rod extends; an annular outer piston fitting the cylinder, having an annular piston area facing the head, and provided with an annular valve seat disposed adjacent to its inner periphery and facing the head; an inner piston having its piston area facing the head and having a peripheral edge providing a valve member for cooperation with said annular seat and being movable from the latter toward the head when the inner piston moves relatively to the outer piston toward the head; means providing for attachment of the inner piston to said rod; a first spring for resisting movement of the outer piston toward the second head; a second spring for resisting movement of the inner piston toward the second head; the scale of the second spring being greater than that of the first spring; a first cylinder abutment for limiting movement

of the outer piston away from said head; a second cylinder abutment for limiting movement of the inner piston toward the head; said outer piston valve seat and said inner piston valve member cooperating to limit movement of the inner piston away from the head when the outer piston engages the first abutment and to limit movement of the outer piston toward the head when the inner piston engages the second cylinder abutment; the piston areas of the inner and outer pistons cooperating with the cylinder and its head to define a pressure chamber; said cylinder having a drain opening which is open to the spring space thereof in all positions of the pistons; and means including a passage for conducting to the pressure chamber fluid whose pressure may vary.

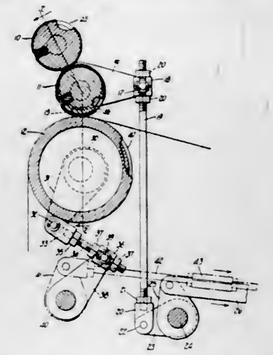
2,278,311
SHEET METAL NIBBLING TOOL
Charles B. Gray, Millbourne, Pa.
Application May 22, 1941, Serial No. 394,613
15 Claims. (Cl. 30—228)



1. A portable self-contained motor-driven sheet metal cutting tool comprising a main casing in which is housed the motor drive for the tool, an elongated guide member provided in the outer end of said casing, a vertically reciprocal ram slidably fitted in said guide member, means intervening said motor drive and said ram for imparting reciprocatory motion to said ram, a die support detachably secured to said guide member in vertically spaced relation thereto, said ram and said die support being respectively provided with longitudinally aligned channels, a punch fixedly secured in said ram channel and reciprocable in said die support channel, said die support being provided with a solid neck part immediately beneath the channeled part thereof to provide a rigid backing for the reciprocating punch, a clamping block secured to the ram in overlying relation with respect to the punch to clamp the latter securely to the ram, and a cover plate secured to the guide member for embracing the ram, said cover plate being provided with an opening therein for access to the clamping block.

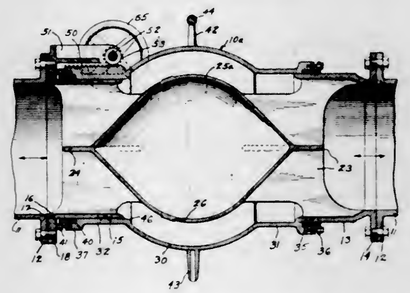
2,278,312
OFFSET PRESS CYLINDER ADJUSTING AND GAUGING CONSTRUCTION
Ray F. Holtz, Mount Lebanon, Pa., assignor to The Lithograph Press Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1940, Serial No. 357,890
4 Claims. (Cl. 101—218)

1. In a cylinder press, a pair of associated cylinders in rolling engagement with each other, and means for adjusting the pressure between the cylinders comprising two gauge members each having a circular gauging face, each member being connected coaxially to one of the cylinders and arranged with said faces in radial alignment and normally spaced by the thickness of a feeler gauge, and means for adjusting the spacing of the cylinder axes and of said faces, including bearings for the cylinders normally stationary



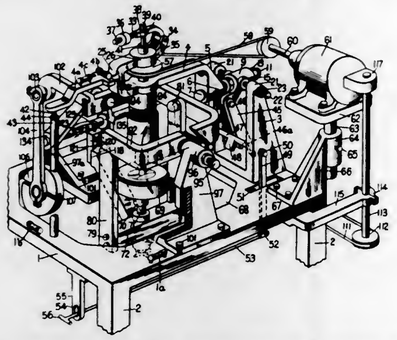
during operation, arranged to maintain a predetermined spacing between the cylinder axes, the bearings for one cylinder being adjustable toward and from the axis of the other cylinder to adjust said spacing.

2,278,313
VALVE
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application October 23, 1940, Serial No. 362,361
6 Claims. (Cl. 251—8)



1. A throttling valve comprising a hollow cylindrical end piece having an outturned flange for fixed connection with a conduit, a fin secured to the interior of said end member and projecting beyond the end member away from said flange, a hollow plug member secured on said fin, a second fin projecting from the other end of the plug member, a hollow cylindrical end piece secured on said fin in spaced relation from said plug member, said second end member having a peripheral groove therearound, a flange engaged in said groove adapted for attachment to a second conduit, a spherically shaped hollow casing enveloping said plug and having cylindrical end portions slidable on said cylindrical hollow end members, and toothed means between said groove engaged flange and one of said cylindrical end portions of the casing for longitudinally shifting the casing to move the same toward and away from the plug.

2,278,314
APPARATUS FOR PRODUCING ONE-PIECE MULTIFOCAL OPHTHALMIC LENSES
Lowell L. Houchin, Columbus, Ohio, assignor to The Revalens Co., Columbus, Ohio, a corporation of Ohio
Application January 31, 1940, Serial No. 316,691
15 Claims. (Cl. 51—124)

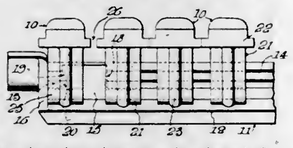


1. Apparatus of the type described comprising a lens blank carrier, a support for said carrier mounted for swinging movement about two axes disposed at right angles to each other, a generating tool mounted on a rotatable tool-carrying spindle and disposed in position to work upon a lens blank mounted on said carrier, means for oscillating said carrier support about one of said axes, additional means for controlling the movement of the carrier support about the other of said axes, said additional means including a template, and means connected to said carrier support for engaging said template.

2,278,315
MANUFACTURE OF HIGH SPEED STEELS
Eduard Houdremont and Hans Schrader, Essen, Germany, assignors, by mesne assignments, to Pantena Limited, Glarus, Switzerland, a corporation of Switzerland
No Drawing. Original application February 24, 1938, Serial No. 192,288. Divided and this application March 2, 1940, Serial No. 321,910. In Germany March 31, 1937
2 Claims. (Cl. 75—126)

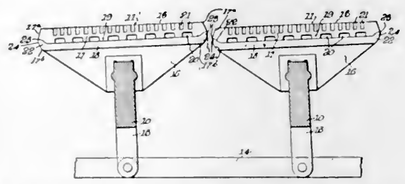
1. A high speed steel consisting of 1.0 to 1.6% carbon, 1.0 to 6.0% chromium, more than 1.0% and less than 5.0% molybdenum, 2.0 to 6.0% vanadium and tungsten in a quantity amounting at least to 50% of the molybdenum content and ranging from 1.0 to 4.0%, remainder substantially all iron with the normal impurities.

2,278,316
GRATE STRUCTURE
John W. Hulson, Keokuk, Iowa, assignor to Hulson Grate Company, Keokuk, Iowa
Application March 22, 1940, Serial No. 325,440
1 Claim. (Cl. 126—180)



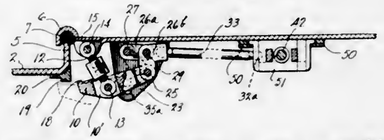
In a grate structure, a horizontal carrier bar each vertical side of which is provided at the upper edge of said bar with two alined longitudinal ribs and a space between said ribs, one of said ribs at each side of said bar being disposed at one end of the bar and being very short, the other of said ribs at each side of said bar being relatively long, and a plurality of fingers having trivially spaced fire-supporting heads and downwardly projecting portions nearly as wide as said heads, said downwardly projecting portions being spaced apart longitudinally of said bar and having notches receiving the upper portion of the bar, the lower end of one of said downwardly projecting portions having lugs underlying the full length of said short ribs and substantially half the length of said spaces between the ribs, the lower ends of the rest of said downwardly projecting portions having lugs underlying said long ribs and part of the length of said spaces between the ribs, the various lugs normally preventing direct lifting of the fingers from the bar, the inner extremities of said short ribs each having an upper bevel slanted upwardly away from the opposite extremity of the adjacent long rib and also having a lower bevel slanted downwardly away from said opposite extremity of said adjacent long rib, said lower bevels permitting the lugs of one of said fingers to clear said short ribs and underlie said spaces between the ribs when said one finger is inwardly slid slightly and manually rocked about the outer upper corner of its notch after crowding the rest of the fingers together, said upper bevels then permitting said lugs of said one finger to pass through said spaces between the long and short ribs as said one finger is lifted, the whole permitting removal of said one finger with only trivial normal spacing of the various fingers.

2,278,317
GRATE STRUCTURE
John W. Hulson, Keokuk, Iowa, assignor to Hulson Grate Company, Keokuk, Iowa
Application July 30, 1940, Serial No. 348,473
1 Claim. (Cl. 126—180)



A tuyère-type grate finger comprising a vertical web having an elongated head extending along its upper edge, said head having a central longitudinal fire-supporting ridge and lateral ribs extending longitudinally throughout the length of the lower portion of said ridge, said ridge having draft-air-baffling tuyères, each end surface of said head consisting of an upper half disposed substantially in a transverse plane inclined in one direction and a lower half disposed substantially in a second transverse plane inclined in the other direction, said upper and lower halves converging to a transverse horizontal ridge line at the extreme end of said head, said ridge line being in a plane above the upper sides of said ribs, and transverse end walls integrally joined to said ribs and to the lower portions of the lateral sides of said fire-supporting ridge, said end walls extending upwardly from said ribs to said transverse horizontal ridge lines at the extreme ends of said head and having outer sides forming portions of said inclined lower halves of said end surfaces of said head.

2,278,318
BULKHEAD DOOR
Frederick T. Jenkins, Seattle, Wash.
Application February 17, 1941, Serial No. 379,278
11 Claims. (Cl. 114—117)



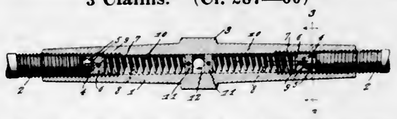
1. In combination, a door casing, a bulkhead door supported for movement from open position to a position closed against the casing, and a locking means for the door comprising a locking lever, a pair of links with ends pivotally fixed to the door and their other ends pivotally fixed to the said lever at locations spaced therealong supporting the lever for an endwise swinging movement whereby one end thereof may be moved from and into holding engagement with the casing; one of said links comprising toggle joint linkage, and means for actuating the toggle joint linkage for swinging the locking lever into and from locking position.

2,278,319
ANTIBITE CLIP
Clyde H. Karnaghan, Memphis, Tenn.
Application February 12, 1941, Serial No. 378,525
5 Claims. (Cl. 131—170)



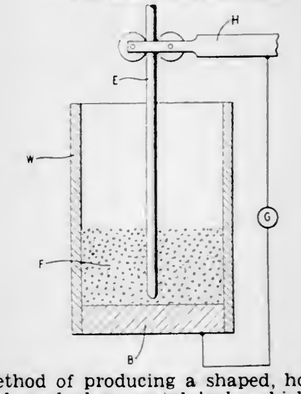
1. A cigar clip, formed of a length of wire, said clip comprising opposite side portions adapted to lie along and frictionally clamp against diametrically opposite sides of the butt end of a cigar, said side portions rearwardly converging upwardly and inwardly to an integral loop portion adapted to overlie said cigar, and forwardly having respectively each an end portion downwardly bent and inwardly curved, and adapted to underlie said cigar.

2,278,320
LOCKING TURNBUCKLE
Hilbert K. Kath, Rochester, Minn.
Application May 10, 1941, Serial No. 392,984
3 Claims. (Cl. 287—60)



3. In a locking turnbuckle, a sleeve interiorly threaded from its ends for a portion of its length, stems threaded in the sleeve for the latter to provide a coupling therefor, heads formed on the inner ends of the stems, a pair of locking members slidably mounted in the body and having sockets therein for receiving the heads, said heads and sockets being shaped to lock said members to the heads against relative rotation, abutment members fixed within and disposed substantially centrally of the sleeve, coil springs between the locking members and the abutment members to urge and hold the locking member to locked position, said sleeve having slots therein provided with offset portions, pins secured to and extending laterally from said locking members and through the slots to hold the locking members against rotation, said pins being receivable in the offset portions for holding the locking means in unlocked position to allow rotation of the sleeve to bring about adjustment of the stems, and said sleeve being provided with tool receiving means to facilitate rotation thereof.

2,278,321
METHOD OF MAKING CAST METAL INGOTS
James M. Keir, New York, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 17, 1937, Serial No. 154,311
1 Claim. (Cl. 224—209)

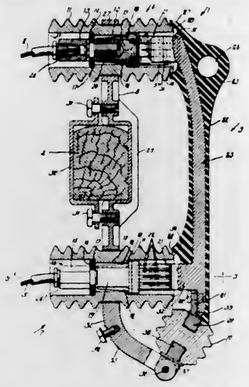


Method of producing a shaped, homogeneous, sound, and clean metal body which comprises placing a layer of unbonded, comminuted, substantially nongassing flux consisting chiefly of silicates on the bottom of a mold having a conductive bottom; inserting an end of a fusible bare metal electrode deep into said flux layer but out of contact with said conductive bottom; passing between said electrode and said bottom sufficient electric current to melt progressively successive portions of the electrode and to deposit within the mold the metal so melted, in an amount sufficient to form said body; maintaining a pool of fused flux over said deposited metal; and maintaining a deep blanket of unfused flux over the said pool and the melting end of the electrode; such electric current being maintained at an amperage so great, upwards of 1000 amperes per one-quarter inch of electrode diameter, that an open arc would be formed in the absence of the said blanket of unfused comminuted flux, and the last-mentioned blanket being effective to completely smother such open arc.

2,278,322
SWITCH
Jay H. Knutz and Russell H. MacKinnon, Evanston, Ill.
Application August 9, 1940, Serial No. 351,978
12 Claims. (Cl. 200—48)

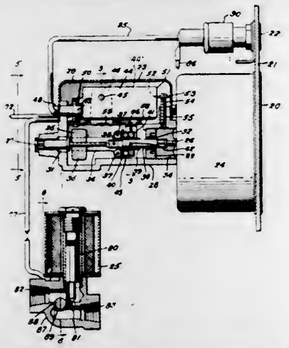
1. A disconnecting switch for outdoor mounting comprising, a metallic support member, means for mounting said support member in a substantially vertical position on a cross arm or the like, tubular insulators supported intermediate their ends by said support member substantially at right angles thereto in spaced relation, conductor means in each insulator having terminal means at one end for connection to a line conductor and stationary switch means at the other end, movable switch means for interconnecting said stationary switch means,

means on said support member providing a hinge support for said movable switch means, and in-



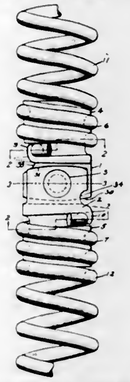
sulator means hingedly mounting said movable switch means on said hinge support.

2,278,323
CENTRIFUGAL SPEED CONTROL
Paul H. Kolb, Williamsport, Pa.
Application July 1, 1939, Serial No. 282,552
8 Claims. (Cl. 200—80)



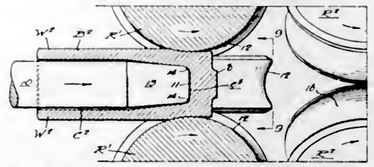
1. Centrifugal switch mechanism adapted for use in a speed limiting system for auto vehicles, comprising a centrifugal actuator and a switch, said centrifugal actuator comprising a shaft adapted to be rotated at a speed proportionately to that of the vehicle, thrust collar mechanism slidable on said shaft, a centrifugally movable weight rotatable with said shaft, thrusting against said collar mechanism when centrifugally moved, a bell crank pivotally mounted excentrically of the axis of said shaft having one arm operatively related to said switch and the other engageable by said collar mechanism to tilt said bell crank into switch operating position, and a leaf spring substantially straight when in repose position secured to said bell crank at such point as to resist tilting of said bell crank responsive to centrifugal force, means for adjustably lifting the outer end of said spring to tilt said bell crank to take up lost motion in the line of force transmission between said weight and bell crank and to counterbalance the pull of gravity on said weight, said spring being stiff enough to act as a rigid lever up to the counterbalancing point of its adjustment, and being variably flexed by further adjustments, thereby functioning as a variably yielding member whereby the limit of its resistance to speed responsive tilt of said bell crank may be selectively set.

2,278,324
COUPLING
Karl J. Kollmann, Erie, Pa.
Application April 27, 1940, Serial No. 332,113
2 Claims. (Cl. 287—75)



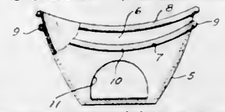
1. In combination with a coupling for open helically wound rods comprising a member having helical grooves with a portion of the grooves cut away to a flat surface, a helically wound coil disposed in each of said grooves, the free end thereof pressed onto said flat surface and a locking lip for securing the end of the said, helically wound rods on said flat surface.

2,278,325
PROCESS FOR FINISHING FORGINGS
Le Roy Layton, Lansdowne, Pa., assignor to Lansdowne Steel & Iron Company, Morton, Pa., a corporation of Pennsylvania
Application October 12, 1938, Serial No. 234,713
2 Claims. (Cl. 29—1.21)



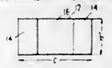
1. The method of making hollow forgings which consists in forming a cavity with a closed end and a cross-section of predetermined shape and dimensions to a predetermined depth inwardly from one end of a heated billet to form a primary forging, inserting a finishing tool of the same shape but of slightly lesser cross-sectional dimensions into the open end of said cavity free from contact with the walls of said cavity to provide an air space between the exterior surface of the tool and the interior surface of the cavity at a relatively high speed until the end surface of the tool engages the closed end surface of said cavity, advancing the tool and the forging through a throat of lesser dimensions than the outside cross-sectional measurements of the billet at a relatively low speed to contact and compress the forging cross-sectionally into contact with the outside surfaces of the finishing tool to finish the forging by reducing the cross-sectional dimensions of the cavity to the cross-sectional dimensions of the tool, and retracting the tool from the finished forging substantially at said relatively high speed.

2,278,326
EYECUP
Edward J. Leonard, Derby, Conn.
Application April 16, 1941, Serial No. 388,743
3 Claims. (Cl. 128—249)



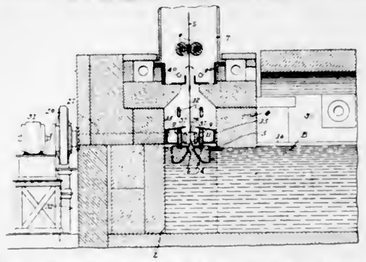
1. An eye cup comprising a paper insert cup having a flexible rim curved to fit the orbit of the eye of the user, and an outer container and support for the cup of the same general shape to receive and hold the cup and having side walls at the outer sides of the cup extending to a position adjacent to but spaced from the edges of the cup to support them when pressed against the surface of the skin about the eye.

2,278,327
TOY BLOCK
Ludwig Magnus and Berthold Meyerhof, New York, N. Y., assignors of thirty-seven and one-half per cent to David B. Greenberg, New York, N. Y., forty per cent to said Magnus, and twenty-two and one-half per cent to said Meyerhof
Application August 27, 1940, Serial No. 354,368
16 Claims. (Cl. 46—25)



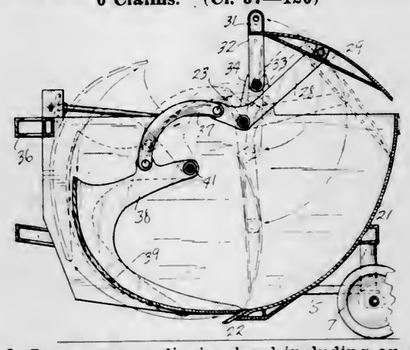
1. A generally U-shaped block element made up of a body portion having two tenons projecting transversely therefrom and forming a mortise therebetween, the mortise having a width half the width of the body and the tenons having a width half the width of the mortise, the height of the body being equal to the height of the mortise or tenons, and the thickness of the body and the thickness of the tenons each being equal to the width of the mortise, and to the height of the body and to the height of the mortise and to the height of the tenons.

2,278,328
MANUFACTURE OF DRAWN GLASS
Pete Magrini, Belle Vernon, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1938, Serial No. 205,022
4 Claims. (Cl. 49—83.1)



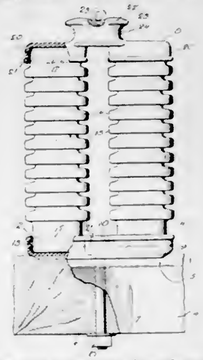
3. In the manufacture of ordinary drawn glass, the steps comprising forming the sheet by continuous drawing from a bath of molten glass and, while the temperature of the sheet is at or about the annealing range, cooling one face of the glass sheet at a more rapid rate than the other face thereof, whereby bowing and warping of the glass sheet are prevented or corrected.

2,278,329
SCRAPER
Alvie D. McCollum, Stockton, Calif.
Application March 15, 1939, Serial No. 262,064
6 Claims. (Cl. 37—126)



3. In a scoop, a digging bowl including an arcuate rear and bottom wall; arms pivoted to the bowl adjacent the center of curvature of the rear and bottom wall; an earth ejector carried by said arms and arranged to swing forwardly through said bowl to discharge earth therefrom; a load retaining apron pivoted to the bowl for swinging movement about an axis spaced from and parallel to the pivotal axis of the arms; and links operatively connecting the apron to said arms, whereby said apron and said ejector may be moved simultaneously; and means for so moving said apron and ejector.

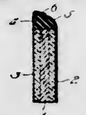
2,278,330
MULTIPOST LINE INSULATOR
Edwin M. Meyer, Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Ohio
Application August 4, 1939, Serial No. 288,431
3 Claims. (Cl. 174—148)



1. A line wire supporting insulator comprising a base having means for attachment to a support, and two spaced, upwardly faced sockets, parallel insulators mounted endwise in said sockets, a bridge member having spaced, invert-

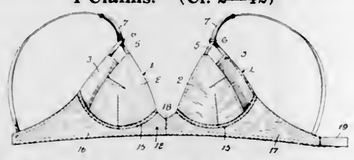
ed sockets receiving the ends of said insulators and an integral laterally ribbed boss projecting upwardly from said bridge member and having a wire-holding groove overlying the space between said inverted sockets.

2,278,331
EDGE SEAL FOR METAL-FACED PANELS
George R. Meyercord, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, a corporation of New York
Application December 12, 1940, Serial No. 369,737
4 Claims. (Cl. 20—91)



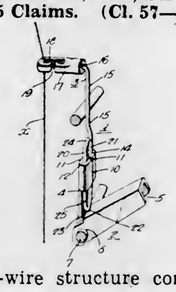
1. A panel comprising a core member and sheet metal facing members bonded thereto, the facing members projecting beyond an edge of the core member and forming a channel therewith, a strip of soft rubber fitted in said channel, a strip of metal overlying and covering said rubber strip, and marginal portions of said facings and said metal strip being interlocked and causing the latter to clamp the rubber against said core.

2,278,332
BREAST POCKET AND FOUNDATION GARMENT
Carl Henry Rasch, Hohokus, N. J.
Application June 9, 1939, Serial No. 278,286
4 Claims. (Cl. 2—42)



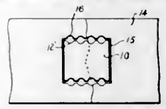
1. In an article of wearing apparel, a pair of breast pockets, each breast pocket consisting of substantially triangular sections offset and overlapping each other, means securing the sections along the lower edges of the overlapped portions, and additional means loosely connecting the apices of said sections and the remaining portions of said sections being free of each other for relative movement, said last means serving to support the article on the wearer.

2,278,333
FALLER WIRE FOR STOP MOTIONS
Otto W. Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1940, Serial No. 339,957
5 Claims. (Cl. 57—80)



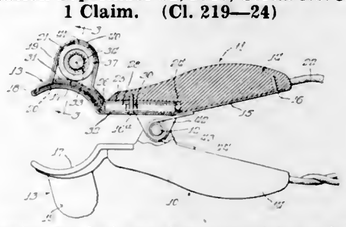
1. A faller-wire structure comprising a base element, a body element, a guide secured to one end of said body element, a foot on one of said elements and a socket on the other of said elements having an opening of substantially the same cross-sectional shape and dimensions as the foot to form a readily detachable connection between the opposite end of said body element and said base element.

2,278,334
REPAIR LOCK
Lawrence B. Scott, Houston, Tex.
Application November 28, 1940, Serial No. 367,539
2 Claims. (Cl. 189—36)



1. A device for repairing fractured structures including a member formed for insertion in an opening provided therefor in the structure, said opening intersecting the fracture and having a bottom wall upon which the bottom of the member seats, said member having its side walls formed with cut-outs complementary to corresponding cut-outs formed in the adjacent side walls of the opening whereby to form sockets, said sockets being of undulating form axially thereof and pins in the sockets engaged with the undulating walls thereof for locking the member in the opening.

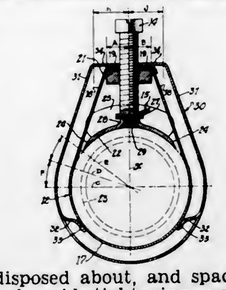
2,278,335
PERMANENT WAVE HEATER
Harry C. Stearns, Chicago, Ill., assignor, by mesne assignments, to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application September 21, 1940, Serial No. 357,773
1 Claim. (Cl. 219—24)



A heater for hair waving comprising a heating element wound in a helix, said helix being wrapped upon a support of ceramic material, a glass sleeve in which said support is mounted, the sleeve being spaced from the heating element so as to avoid contact therewith, and a housing for said sleeve, said housing having a hair heating portion and a cover portion, the cover portion comprising an outer metallic sheet and an inner sheet of asbestos, and said cover portion having an aperture through which a portion of the glass sleeve and a portion of the heating element may be seen.

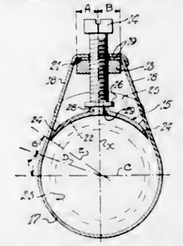
2,278,336
CLAMP
Benjamin A. Tetzlaff, Riverside, Ill.
Application June 1, 1940, Serial No. 338,351
10 Claims. (Cl. 24—19)

9. A clamping device for a hose or the like connection comprising, a flexible band, an arcuate bridge member, a threaded nut, a tightening screw extending through said nut into engagement with said bridge member, said band and said arcuate bridge engaging portions of the circumference of the hose connection, said clamp band having portions in engagement with said nut, and a heat-deflecting shield supported on said



nut and disposed about, and spaced from, said clamp band, said tightening screw extending through said shield and being operable to tighten or loosen said clamp band without displacing said shield.

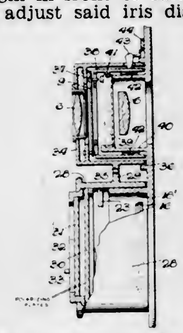
2,278,337
CLAMP
Benjamin A. Tetzlaff, Riverside, Ill.
Original application June 1, 1940, Serial No. 338,351. Divided and this application June 28, 1941, Serial No. 400,228
9 Claims. (Cl. 24—19)



1. A clamp including a nut, a single band of flexible metal having a substantially semi-circular medial portion and substantially straight integral end portions disposed tangentially to said medial portion and angularly one to the other in an outwardly converging direction; said end portions of the band having ends bent angularly in relatively opposite directions and disposed in relatively fixed position against one face of said nut, a tightening screw having threaded engagement with said nut, and an arcuate bridge operatively associated with said screw during the tightening of said band, said bridge including an arcuate base portion and radially outwardly disposed side walls formed integrally with said base portion, the ends of said bridge base extending closely to the points of tangency of said straight band portions with said band medial portion, and the radius of the bridge base being substantially equal to the radius of said medial portion of the band.

2,278,338
PHOTOELECTRIC APPARATUS FOR CAMERAS
Hans Ferdinand Tönnies, Hamburg-Grossflottbek, Germany
Application December 9, 1938, Serial No. 244,858
In Germany June 4, 1938
5 Claims. (Cl. 95—10)

1. In photoelectric apparatus for correlating selected exposure factor values and the scene brightness to indicate the settings for the members controlling the shutter and diaphragm of a camera, an instrument having a pointer movable with respect to an index mark, a photoelectric cell connected to said instrument, an iris diaphragm in front of said cell, a member movable to adjust said iris diaphragm, means



coupling said movable member to both of the controlling members for actuation in accordance with adjustments of the camera shutter and diaphragm, a pair of angularly adjustable polarizing plates in front of said photoelectric cell, and scale means for setting said polarizing plates in different angular adjustments in accordance with selected values of emulsion speed.

2,278,339
TEST STRIP
Hermann Vollmer, New York, N. Y.
Application January 30, 1940, Serial No. 316,310
3 Claims. (Cl. 128—2)

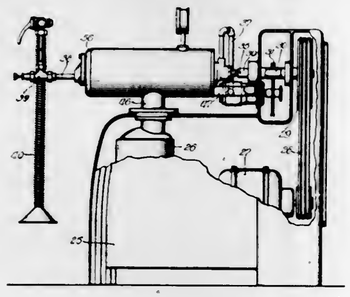


1. Allergometric patch test strip comprising an adhesive strip, a series of patches of thin absorbent material adhering to the adhesive face of said strip, and tuberculin substantially evenly absorbed by each of said patches in such amounts that said patches contain tuberculin in various concentrations thereby enabling by one single test quantitative determination of the sensitivity of the skin to tuberculin.

2,278,340
APPARATUS AND PROCESS FOR FREEZING ICE CREAM
Charles F. Weinreich, Des Plaines, Ill., and Albert L. Voggenthaler, Cedar Rapids, Iowa, assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application February 23, 1940, Serial No. 320,402
35 Claims. (Cl. 62—114)

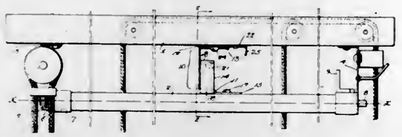
1. In an apparatus for manufacturing ice cream by the continuous method, the combina-

tion of a freezing cylinder having admission and discharge ports, means for continuously flowing metered quantities of partially crystallizable ice cream mix under super-atmospheric pressure to and through the freezing cylinder, means for continuously flowing quantities of gas to and through the freezing cylinder at a rate necessary to produce the desired proportion of gas and mix in the discharged product, means at the discharge port of said cylinder to adjustably control the pressure within the cylinder, means for refrigerating the freezing cylinder to cause a congealing of the ice cream mix upon the freezing cylinder by crystallizing a portion of the ice cream mix thereon, and scraping means within the cylinder for scraping the congealed portion



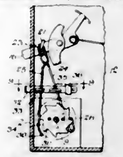
of the ice cream mix from the freezing cylinder and directing it into a whipping mechanism, said freezing cylinder having a freezing surface in proportion to its volumetric content of ice cream mix and gas varying in ratio between 1:1 and 1:1½, said means for flowing ice cream mix and said means for flowing gas through said freezing cylinder being of capacities sufficient to cause the ice cream mix and gas to flow under super-atmospheric pressure not substantially less than fifteen pounds per square inch gauge from the admission port to the discharge port in a period of time varying from one to three minutes when producing a product of substantially form-retaining stiffness when discharged from the freezing cylinder.

2,278,341
CENTER SUPPORT FOR VENETIAN BLIND TILT RAILS
William Whaley, Philadelphia, Pa., assignor to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 21, 1940, Serial No. 357,816
6 Claims. (Cl. 156—17)



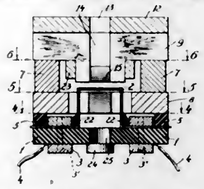
1. In a device for supporting the tilt rail from the head rail of a Venetian blind, a pair of transverse members on said rails respectively, a pair of arcuate interengaging flanges on said members concentric to the pivotal axis of the tilt rail, and means for attaching one of said members to its rail for axial movement relative to the other of said members for disengaging said flanges.

2,278,342
EXPOSURE REGISTER
Louis M. Ziegler, Whitestone, N. Y.
Application June 4, 1940, Serial No. 338,678
2 Claims. (Cl. 235—91)



1. In a device for indicating the number of exposures made on a photographic film, a numeral wheel, a shutter operated pivoted actuator having resilient pawls, ratchet teeth on said wheel with which said pawls coact to rotate said wheel step by step in one direction upon the up and down movement of said actuator, and means which may be manually set to act on one of said pawls to flex it a certain degree so that it will be unable to coact with said teeth and therefore unable to move said wheel, but which causes said pawl to engage one of said teeth to prevent retrograde movement of said wheel.

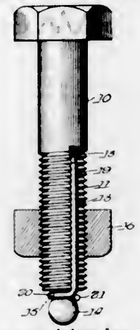
2,278,343
GALVANOMETER
Franz G. Back, New York, N. Y., assignor of one-fourth to Gastro-Photor Laboratories, New York, N. Y.
Application August 30, 1940, Serial No. 354,796
16 Claims. (Cl. 179—100.3)



1. In an apparatus of the class described a light source adapted to emit a light beam, a substantially U-shaped oscillating member bent of a thin metallic strip and consisting of a front strip, two side strips, and two fastening strips forming an angle with said side strips, said oscillating member arranged in such a manner that said front strip is in the path of said light beam and its face is substantially normal to said light beam, a stationary support to which the free ends of said fastening strips are rigidly fixed in such a manner as to leave the portions of said fastening strips which are adjacent to said edges between fastening and side strips, unfixed to said stationary support, and means adapted to oscillate said oscillating member in direction of the width of the strip of which it is bent.

2,278,344
LOCK BOLT CONSTRUCTION
Leslie M. Baker, Evanston, Ill.
Application May 6, 1940, Serial No. 333,509
3 Claims. (Cl. 151—8)

3. A lock bolt comprising in combination, a bolt having a threaded shank portion and having a rounded end and a neck portion between said shank and the end, a longitudinally extending open channel in the shank portion on the said threaded end, a nut having an opening therethrough and internally threaded with a longitudinal channel therein, and a locking member having a shank portion extending into the registering channels on said bolt and said nut, and a head portion angularly disposed with respect to

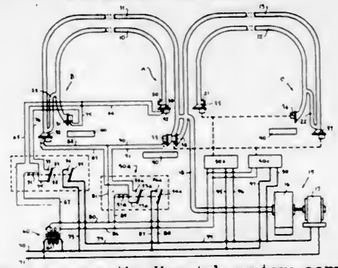


said shaft portion comprising leg members adapted to seat in the neck portion on each side thereof.

2,278,345
METHOD OF APPLYING POLYVINYL CHLORIDE TO METAL SURFACES
Donald G. Benson, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 12, 1939, Serial No. 299,142
1 Claim. (Cl. 154—2)

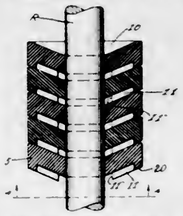
The method of providing metal tanks with a protective polyvinyl chloride surface which comprises adhering a woven fibrous fabric with a rough surface to the metal with water glass, drying, and then depositing from solution upon the fabric a plurality of layers of polyvinyl chloride.

2,278,346
PNEUMATIC DISPATCH SYSTEM
Merton M. Bottemiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 30, 1940, Serial No. 327,051
3 Claims. (Cl. 243—8)



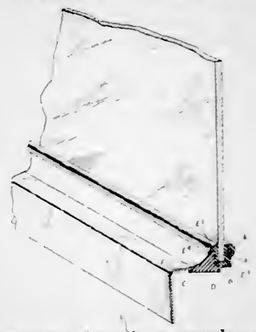
1. In a pneumatic dispatch system comprising a plurality of delivery tubes having sending and receiving stations with normally closed inlet and outlet doors therefor, the combination of, air circulating means for causing air to flow through the delivery tubes, a motor for operating said circulating means, a normally open first switch associated with each of the normally closed inlet doors, connecting means between said first switch and said motor so arranged that said switch will start operation of said motor when said inlet door is opened to insert a carrier, a maintaining switch associated with said connecting means for establishing a maintaining circuit independently of said first switch when a carrier is in transit in the tube, and a normally closed second switch associated with each of the normally closed outlet doors, said second switch being in circuit with said maintaining switch so that the maintaining circuit will be broken by said second switch to stop said motor when the carrier passes through said outlet door.

2,278,347
PACKING MEANS FOR PUMP RODS
John H. Cope, Jr., Skiatook, Okla.
Application August 7, 1940, Serial No. 351,685
3 Claims. (Cl. 288—4)



1. Packing means for a packing gland for a reciprocating rod comprising a plurality of superimposed rings, each ring having a conical recess in its top and a conical lower face which fits in the recess of the next lower ring and each conical face having an annular rib thereon at its outer edge and a plurality of radial ribs thereon extending inwardly from the annular rib, the inner ends of the radial ribs being spaced from the inner circumference of the ring, said ribs forming oil collecting cavities.

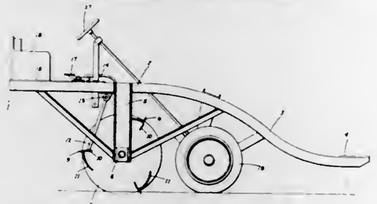
2,278,348
MOUNTING OF WINDOWS AND LIKE PANELS
Albert Ernest Dutfield, Streatham Park, London, and Ernest John Rawlings, Putney, London, England, assignors to Rawlings Manufacturing Company Limited, London, England, a British company
Application January 11, 1940, Serial No. 313,444
In Great Britain July 20, 1938
5 Claims. (Cl. 189—78)



1. A mounting for glass panels comprising a metal frame having a channel extending along the base thereof, a glass-receiving substantially U-shaped rubber strip seated on the base of the metal frame and composed of a substantially L-shaped limb and a flap integrally connected by a weakened portion to the outer edge of the base portion of said L-shaped limb and movable into parallel relationship with said base portion and a separate strip-like finishing piece engaging at its base with the said channel of the metal frame

and also engaging at one side with the adjacent wall of said substantially U-shaped rubber strip as a buttress therefor.

2,278,349
COMBINED CONTOUR MAKING AND LEVELING MACHINE
Ilif F. Fisher, French Camp, Calif.
Application April 29, 1940, Serial No. 332,203
2 Claims. (Cl. 37—169)



1. A scraper comprising a frame which includes a solid platform disposed relatively high above the ground, side beams projecting forwardly from the platform in substantial parallelism thereto for a short distance and thence extending forwardly and downwardly in converging relation to their forward ends, and a draft device rigidly connecting said forward ends of the side beams; a scraper blade, means mounting the blade under the frame adjacent its rear end, ground engaging wheels disposed ahead of the scraper blade, means mounting said wheels under the downwardly extending and converging side beams and for relative vertical movement, an operator's seat on the platform, and means controllable by the operator from said seat for actuating the wheel mounting means, the platform being substantially horizontal when the scraper blade is in ground engaging position.

2,278,350
POLYMERIC MATERIAL
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 8, 1940, Serial No. 334,081
16 Claims. (Cl. 174—125)

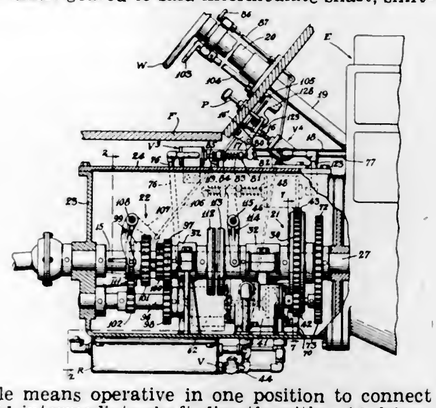


1. A composition of matter comprising a synthetic linear polyamide and an amino-hydrogen-containing aromatic amine, the said amine having at least two cyclic nuclei and an apparent oxidation potential between 0.70 volt and 1.30 volts.

8. An article of manufacture comprising an electrical conductor carrying an insulating coating comprising the composition of claim 1.

2,278,351
CHANGE-SPEED TRANSMISSION AND CONTROL THEREFOR
Howard F. Havens and Joseph Wiederhold, Dubuque, Iowa
Application April 4, 1940, Serial No. 327,774
21 Claims. (Cl. 74—293)

1. In a change-speed transmission mechanism, in combination, a drive shaft, a driven shaft, an intermediate shaft, a differential comprising a pair of terminal members and an intermediate member and having one terminal member fast on the drive shaft and the other terminal member fast on the intermediate shaft, pressure fluid operated means including a fluid pump geared to the intermediate member for varying the speed of said other terminal member, a counter shaft geared to said intermediate shaft, shift-

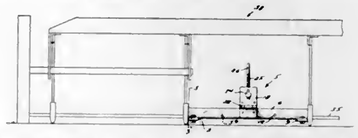


able means operative in one position to connect said intermediate shaft directly with said driven shaft and operative in a different position to connect the intermediate shaft with the driven shaft through said counter shaft, and means operated as an incident to the movement of said shiftable means toward either of said positions for interrupting the rotation of said intermediate shaft.

2,278,352
NONEFFLORESCING BAR SOAP
Robert Franklin Heald, Nutley, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 20, 1939, Serial No. 280,106
13 Claims. (Cl. 252—109)

8. Bar soap comprising a major proportion of a soap base, sodium carbonate in amount ranging up to about 2½% and sufficient to cause objectionable efflorescence in the absence of sodium phosphate, and an alkaline sodium phosphate in amount ranging up to about 9% to give desired hardness and sufficient to prevent substantially such efflorescence.

2,278,353
ROD STRAIGHTENER
Charlie A. Johnson, Dutton, Mont.
Application March 27, 1941, Serial No. 385,533
2 Claims. (Cl. 153—48)



1. A device for straightening bent rods and the like comprising a base including a pair of laterally spaced horizontal bars for accommodating a rod therebetween, a pair of opposed standards arising from said base, a rocker member journaled at its ends in said standards to extend transversely of the bars and above the

same, an upright screw shaft threaded downwardly through said member for endwise adjustment into and out of the space between said bars and for swinging lengthwise of said space under rocking of said member, and a pressure block in which the lower end of the shaft is rotatably secured, said block slidably fitting between said bars against turning whereby said block is adjustable vertically under adjustment of said shaft and swingable in said space in opposite directions under swinging of said shaft, one of said bars being adjustable laterally to vary the width of said space, and one of the standards having a lower hinged section permitting such adjustment of said one bar.

2,278,354
FLOOR RACK FOR REFRIGERATOR CARS
Charles S. Johnston, Glencoe, Ill., assignor to Transportation Specialties Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1938, Serial No. 198,289
12 Claims. (Cl. 105—375)

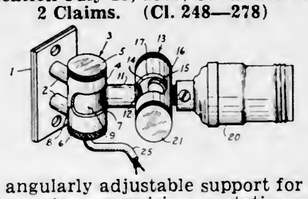


1. In a floor rack for refrigerator cars, the combination of a plurality of stringer members, with a plurality of frame members extending transversely to said stringer members, and located at the top of said stringer members, one of said members being provided with spaced slots for receiving a part of the other of said members, whereby the upper surfaces of both of said members may be arranged flush to provide a framework, and a foraminated covering member carried by said framework and secured thereto, said transverse frame members comprising a plurality of channelled members.

2,278,355
METHOD OF IMPROVING THE ADHESION OF RUBBER TO FABRICS
Edward T. Lessig and Ivan Gazdik, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1939, Serial No. 258,730
5 Claims. (Cl. 154—40)

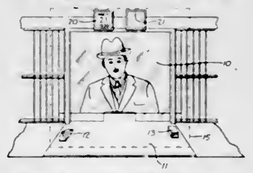
3. The method of adhering rubber to a member of the class consisting of natural and synthetic organic fibers which comprises treating said fiber with an azo aromatic compound, associating the fibers with vulcanizable rubber, and vulcanizing the rubber.

2,278,356
MOUNTING FOR ELECTRICAL CONNECTORS
Harry F. Livingston, New York, N. Y.
Application July 15, 1939, Serial No. 284,759
2 Claims. (Cl. 248—278)



2. An angularly adjustable support for an electrical connector comprising a stationary collar having a slot extending therethrough around part of the circumference thereof, a sleeve mounted for rotatable movement within said collar, a conduit member carried at one of its ends by said sleeve and extending out through said slot, a second sleeve carried on the other end of said conduit member, said second sleeve having the portion of its circumference opposite said conduit connection removed in the form of a slot, a collar, having a partly circumferential slot therethrough, mounted on said second sleeve for rotary movement with respect thereto, the slot in said second collar encompassing said conduit member, means on each member to apply tension between its collar and sleeve, means to vary said tension and electrical connector carrying means mounted in said second collar to communicate with the slot in said second sleeve, said first and second collars being mounted at an angle to each other, said sleeves, collars, conduit and carrying means forming a passage for a current carrying wire therethrough whereby the maximum protection with minimum wear is provided for such wire.

2,278,357
IDENTIFICATION APPARATUS
Joseph Allan Madden, Vancouver, British Columbia, Canada
Application April 28, 1939, Serial No. 270,694
1 Claim. (Cl. 234—60)

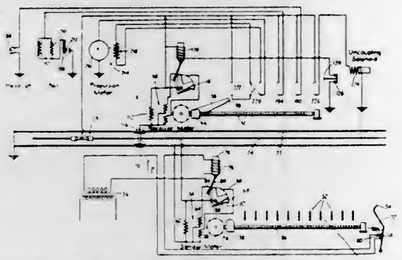


An apparatus for identifying a person carrying out a particular transaction involving a document, such as a cheque, and definitely connecting the person with the transaction, comprising, in combination, a motion-picture camera focused to cover a field in which the person involved in the transaction must stand, a motor connected to the camera by a delayed-action clutch, a stamping device at one side of the field for stamping certain indicia on each document, an indicator situated in said field electrically connected to and synchronized with the stamping device for indicating the indicia stamped on the document immediately after such action takes place, and a switch operated by the stamping device for setting the motor into operation, said camera being slightly delayed in starting by the clutch, whereby the camera commences operation after the indicia stamped on the document appears in the indicator.

2,278,358
REMOTE CONTROL SYSTEM FOR TOYS
Edward E. McKeige and Noel L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1939, Serial No. 308,924
21 Claims. (Cl. 104—150)

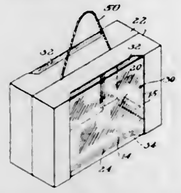
1. A remote control system for toys, said system comprising a sender and a receiver connected by an alternating current supply line, synchronous motors at said sender and receiver, movable mechanisms moved by said motors, an interrupter switch in said current supply line at the sender, a plurality of control buttons associated with the movable mechanism at the sender each arranged to momentarily open said inter-

rupter switch and thereby interrupt the current supply, solenoid-operated starters to thereupon start said movable mechanisms under drive of said motors, means operated by the sender mechanism to again operate the interrupter switch after a time interval measured by the sender motor and dependent upon which of the control



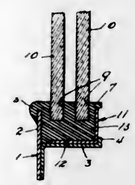
buttons is actuated, a plurality of controlled switches at the receiver, and an actuator driven by the synchronous motor at the receiver for selecting and actuating one of said switches, the selected one being dependent upon the time interval between the two interruptions of the current supply.

2,278,359
BOX
Reginald A. Nagle, Rochester, N. Y., assignor to Flower City Specialty Company, Rochester, N. Y., a corporation of New York
Application December 21, 1939, Serial No. 310,326
10 Claims. (Cl. 206—44)



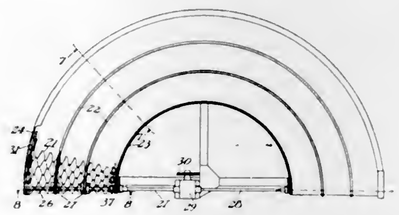
1. A box comprising a rectangular tubular frame of fiber board open at two opposite ends, and a closure member applied to said frame over each of the open ends thereof, each closure member including a rectangular closure panel for extending across and closing one open end of the frame and four marginal flanges extending approximately perpendicular to the closure panel along the four edges thereof and permanently secured in fixed relation to the closure panel and to each other, said flanges telescoping snugly over the outer surface of said frame and being of such width in relation to the dimensions of the frame that when the two closure members are applied in normal closed position on the two ends of the frame, the marginal flanges on one closure substantially meet the marginal flanges on the other closure member so that the marginal flanges substantially completely cover and hide the exterior surface of said frame, and a handle secured to said frame substantially at the line where a marginal flange on one closure member meets the adjacent marginal flange on the other closure member, said handle being relatively thin in a direction transverse to said meeting line of said marginal flanges and extending outwardly through the crack between such marginal flanges without requiring substantial separation of said flange.

2,278,360
DOUBLE GLAZING CONSTRUCTION
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 21, 1939, Serial No. 300,562
1 Claim. (Cl. 20—56.5)



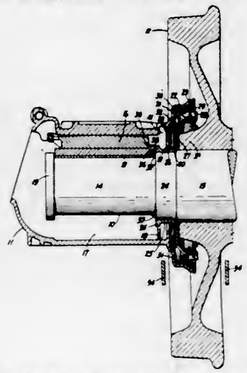
A double glazing construction comprising a channel frame, a flange extending inwardly therefrom, a ledge disposed at right angles to the frame, an inwardly extending section formed at the outer edge of the ledge in spaced parallel relation to the flange, a block of resilient material positioned within the frame, a lip extending from the leading edge of the resilient block and lying over the flange, spaced grooves provided in the resilient block, a plurality of glass panes positioned within the grooves, and a retainer strip substantially of L-shape in cross-section, having a horizontal portion interposed and confined between the resilient block and the ledge and engaging the inwardly-extending section of the ledge, and having a vertical portion compressing the resilient block to seal the edges of the glass panes therein.

2,278,361
CONVEYER
Edward D. Rapisarda, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application September 30, 1937, Serial No. 166,635
4 Claims. (Cl. 198—182)



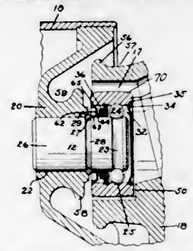
1. Conveying apparatus comprising in combination a frame having arcuate guide members, rounded nosings of uniform radius mounted radially of the frame at both ends of the arcuate track, an endless annular belt carried by said frame and passing around said nosings and doubled upon itself to provide an arcuate conveying surface, said belt consisting of radially extending crimped rods, loosely interlocked at the crimps along and adjacent at least one edge, whereby said belt may be extended and collapsed circumferentially at and adjacent said edge, means for driving said belt through its arcuate path at uniform angular velocity and for carrying it around said nosings at linear velocity uniform throughout its width.

2,278,362
JOURNAL BOX
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application June 17, 1939, Serial No. 279,720
2 Claims. (Cl. 308—41)



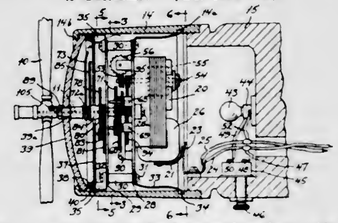
1. In a railway journal box, a journal extending into said box having a bearing portion, a collar at one end of said bearing portion of larger diameter than said bearing portion, said journal being enlarged at the opposite end of said bearing portion to substantially the diameter of said collar, a thrust transmitting fillet joining said bearing portion and said enlarged portion, a bearing member engaging the upper surface only of said bearing portion and having a fillet adapted to engage said thrust transmitting fillet, said bearing member having a lug projecting upwardly from the upper surface thereof, said lug being positioned higher than said bearing fillet, a wedge member between said bearing member and the top of the journal box having an end engageable with said lug, and auxiliary thrust transmitting means comprising an element secured to said enlarged portion of said journal and extending radially outwardly from said thrust transmitting fillet into overlapping relation with said lug and adapted to engage said bearing member to place said lug under compression during lateral movement of said journal in one direction, said element having an inner diameter such as to enable it to be slipped over said collar during assembly with said journal.

2,278,363
CONVEYER MOUNTING
Constantine T. Broshkevitch, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 11, 1939, Serial No. 283,866
5 Claims. (Cl. 308—20)



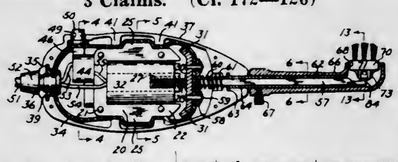
3. In a device of the character indicated, an antifriction bearing having an outer race ring, a shaft rotatably supported in the race ring, a plurality of angularly disposed faces defining a substantially polyhedron-shaped periphery on said race ring, a socket loosely and removably receiving said race ring, a plurality of plane faces making the interior of said socket of a polyhedron shape generally similar to that of the race ring, and two of said plane socket faces lying beneath the shaft and being downwardly inclined towards each other to form a centering recess which constrains the race ring to take clearance with the remaining socket faces, whereby the race ring may assume a tilting but non-rotatable movement in said socket.

2,278,364
ELECTRIC CLOCK
Harry C. Bunnin, Bedford, Ohio
Application May 4, 1939, Serial No. 271,751
2 Claims. (Cl. 58—26)



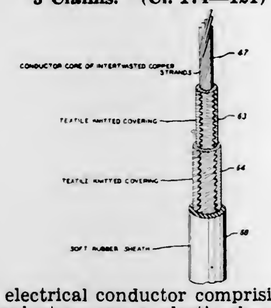
1. In an electric clock mechanism, the combination of a motor, a dial, an hour hand, a minute hand, coaxially arranged mountings for supporting the hour and minute hands, gear means driven by the motor for driving the hour and minute hand mountings, a transparent crystal disposed forwardly of the dial and hour and minute hands, said crystal having an opening formed therein, a shaft extending through said opening, clock status indicating means mounted coaxially with the hands upon the outer end of said shaft forwardly of the crystal and gear means interposed between the shaft of the motor and the last-named shaft for driving the latter in a counter-clockwise direction.

2,278,365
ELECTRICALLY ACTUATED APPARATUS
Dwight C. Daniels, Worcester, Mass.
Application February 24, 1938, Serial No. 192,342
3 Claims. (Cl. 172—126)



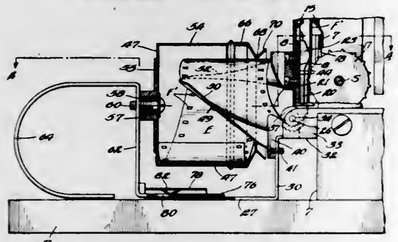
1. An electrically actuated apparatus comprising a stator of magnetic material, a coil mounted thereon, a reciprocable armature arranged to be actuated by the stator and coil, a bag of flexible water-proof material enclosing the stator, coil and armature, a rigid casing formed in two separable parts enclosing the bag and arranged to hold the wall of the bag firmly against the stator at a plurality of points to prevent appreciable movement of the stator relative to the casing, a guideway supported by the casing, a rod reciprocable in the guideway in alignment with the armature, and means connecting the armature, the rod and the intervening portion of the bag.

2,278,366
ELECTRICAL CONDUCTOR
Ben K. Ford, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application June 28, 1938, Serial No. 216,252. Divided and this application October 24, 1939, Serial No. 300,934
3 Claims. (Cl. 174—121)



1. An electrical conductor comprising an electrical conductor core, a plastic sheath disposed thereon, and knitted coverings with wale portions and course portions disposed one upon another on the core between the core and the sheath and serving as a barrier therebetween, the course portions of the coverings extending longitudinally of the core and the wale portions extending spirally about the core in opposite directions.

2,278,367
FILM REWIND FOR PICTURE PROJECTORS
Frank Freimann and William E. Kierulff, Fort Wayne, Ind., assignors to The Magnavox Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application January 31, 1940, Serial No. 316,462
5 Claims. (Cl. 88—18.7)

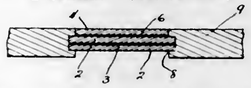


1. For use in connection with a film projector, a rewind shaft for receiving the film as it is projected, means on and cooperating with said shaft for initially curling one edge of the film with relation to the other edge thereof, and a rotatable rewind container positioned adjacent to said shaft, said container having a restricted neck and a flared flange which cooperate to continue the curl imparted to the film and guide it in the form of a spiral or helix into the container.

2,278,368
CONDENSATION PRODUCT CONTAINING SULPHUR
Walter Frost, Saarau, Kreis Schweidnitz, Schlesien, Germany, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany
No Drawing. Application February 1, 1939, Serial No. 253,995. In Germany March 26, 1938
6 Claims. (Cl. 260—79)

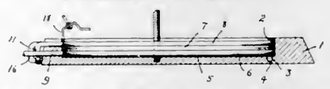
6. An organic polysulfide plastic produced by the action of a polysulfide selected from the group consisting of the polysulfides of alkaline metals, alkaline earth metals, and ammonium, on ethylene chloride, in the presence of 0.1 to 5.0% of halogenated compound containing more than two halogen atoms capable of reacting with said polysulfides, and selected from the group consisting of bromoparaffin, chloroparaffin and pentabrompentane, said organic polysulfide plastic showing a high strength and high resistance toward organic solvents.

2,278,369
LAMINATED GLASS
Frank W. Hall, Brackenridge, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,733
1 Claim. (Cl. 20—40)



In a wall construction, a plate of laminated glass comprising two sheets of glass united to a layer of plastic material and a third sheet of glass of lesser surface area than the first sheets of glass adhered to one side thereof the first sheets of glass being mounted in a suitable marginal support within an opening in the wall and set inwardly from the outer wall surface to provide an indented area, the third sheet of glass substantially filling the indented area and having its face flush with the outer wall surface.

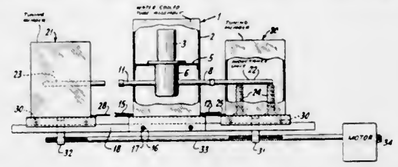
2,278,370
STEAM PRESSING IRON
Louis Hoffman, Duluth, Minn.
Application March 9, 1940, Serial No. 323,148
3 Claims. (Cl. 38—77)



1. In a steam unit for a pressing iron, having a hollow body and a perforated pressing face, two relatively thin hollow receptacles, within and conforming to the shape of said hollow body, in superimposed relation and spaced apart, an electric heating element installed between said receptacles, a water intake pipe connected to the lowermost one of said receptacles when in position within the iron, a discharge pipe connection from said lower receptacle to the uppermost receptacle and a discharge connection from said upper receptacle to and through the perforated pressing face of said iron whereby water when admitted to said unit is first converted into steam and the steam then superheated and the superheated steam then conducted to the perforations and ejected therethrough against the work.

2,278,371
HIGH FREQUENCY SWITCH
Raymond F. Guy, Englewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 22, 1939, Serial No. 269,406
14 Claims. (Cl. 250—17)

1. A radio frequency changing system comprising a transmitter divided into a fixed tube assembly portion and a plurality of movable tuning assemblies arranged to surround said fixed tube assembly portion, each one of said tuning assemblies having separate shielded containers, each one of said movable tuning assemblies being tuned to a different predetermined frequency, means for spacing said tuning assemblies a predetermined distance apart and for moving at



least one of said tuning assemblies and establishing electrical connection between it and said fixed tube assembly portion, and means adapted to cause another tuning assembly to be simultaneously moved and disconnected from said fixed tube assembly when said first mentioned electrical connection is established.

2,278,372
MANUFACTURE OF AMINES
John F. Olin, Grosse Ile, and Edward J. Schwoegler, Wyandotte, Mich., assignors to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application December 2, 1939, Serial No. 307,258
10 Claims. (Cl. 260—583)

1. In the formation of amines by the catalytic reaction of hydrogen, ammonia and a member of the group consisting of aldehydes and ketones, the step of conducting the reaction by heating the reactants to a point below the decomposition temperature of the amine to be formed, in the presence of a solvent consisting of a lower, saturated, aliphatic, polyhydric alcohol until amination and reduction of said carbonyl compound have taken place to form the desired amine.

2,278,373
MANUFACTURE OF AMINES
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application December 2, 1939, Serial No. 307,259
13 Claims. (Cl. 260—583)

1. In the formation of amines by the catalytic reaction of hydrogen, ammonia and a member of the group consisting of aldehydes and ketones, the step of conducting the reaction by heating the reactants to a point below the decomposition temperature of the amine to be formed, in the presence of a solvent chosen from the class consisting of lower, saturated, monohydric secondary and tertiary aliphatic alcohols, until amination and reduction of said carbonyl compound have taken place to form the desired amine.

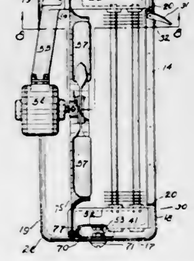
2,278,374
CONDENSATION PRODUCTS OF ALDEHYDES AND UREA DERIVATIVES
John Frank Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application August 28, 1940, Serial No. 354,583
4 Claims. (Cl. 260—69)

1. Products formed by condensing with formaldehyde a mixture consisting of (1) a major proportion of a substance selected from the class consisting of cyclohexyl substitution products of urea and thio-urea and (2) a minor proportion of urea present in the condensation reaction in quantity sufficient to impart hardness to the final condensation product.

2,278,375
CONDENSATION PRODUCTS OF ALDEHYDES AND UREA DERIVATIVES
John Frank Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application September 7, 1940, Serial No. 355,811
2 Claims. (Cl. 260—69)

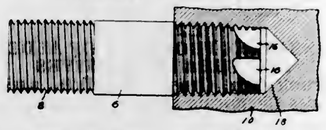
1. A process for producing condensation products that comprises condensing with formaldehyde a mixture of: (1) an alkyl urea containing 4 to 12 alkyl substituent carbon atoms of which at least four carbon atoms are in one alkyl radical, and (2) urea, the higher alkyl urea (1) being present in the condensation reaction in a sufficiently high proportion to prevent the formation of a solid resin upon the application of heat, and urea being present in the condensation reaction in a sufficient amount to increase substantially the viscosity of the resulting liquid condensation product.

2,278,376
UNIT HEATER
Fred M. Young, Racine, Wis.
Application October 8, 1937, Serial No. 168,042
1 Claim. (Cl. 257—137)



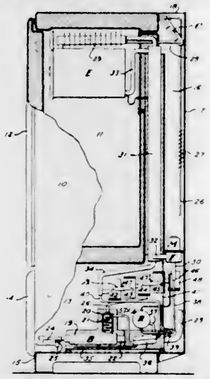
A unit heater of the class described, comprising in combination, a housing having a heat exchange core therein, said core comprising upper and lower headers having finned tubes forming an operating connection therebetween, said headers each having rearwardly extending centrally positioned extensions, upwardly and downwardly directed inlet and outlet openings in said extensions, a fan motor having a supporting connection to the rear end of the upper header extension, said upper header having near its rear corners rearwardly extending members having means to yieldingly secure the header to the top panel of said housing, said lower header having rearwardly extending projections near its rear corners and being yieldingly connected to the bottom panel of said housing, said second yielding connections comprising U-shaped brackets, one free end of each bracket being rigidly connected to the header and the other free end being rigidly connected to the housing.

2,278,377
TAP STUD OR THE LIKE
John L. Cook, Wrentham, Mass., assignor, by mesne assignments, to Wrentham Products Company, Wrentham, Mass., a corporation of Massachusetts
Application September 7, 1940, Serial No. 355,734
2 Claims. (Cl. 85—47)



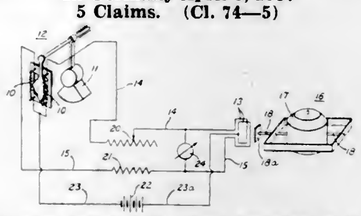
1. A device for securing anchorage to metal comprising a cylindrical body having at its end a straight thread intersected by one or more cutting flutes, the distal portion of the thread being tapered off and the proximal portion being complete in cross section, said thread constituting an instrumentality for cutting a straight female thread, the body having also inwardly of said thread and extending therefrom a straight retaining thread of the same form and pitch as the first mentioned thread but having a pitch diameter slightly greater whereby it will screw into the female thread cut by the cutting thread with an outward wedging action between the opposed thread flanks throughout the major surface area thereof.

2,278,378
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, and Rudolph S. Nelson, Larchmont, N. Y., assignors to The Hoover Company, North Canton, Ohio
Application August 4, 1939, Serial No. 288,298
10 Claims. (Cl. 62—119.5)



1. In combination with a refrigerator cabinet having a storage compartment and a cooling air passageway extending along said compartment exteriorly thereof, of an absorption refrigeration apparatus having heat dissipating portions located in said cooling air passageway and heat absorbing portions located in heat exchange relation with said storage compartment, said apparatus being characterized by the provision of an evaporator, a boiler, an absorber, conduits connecting said evaporator and absorber in a closed inert gas circuit, power actuated means for forcibly circulating inert gas in said circuit, means providing an absorption solution circuit between said boiler and said absorber, means for by-passing a part of the gas from said inert gas circuit to said solution circuit to promote the circulation of the absorption solution, said absorber comprising a plurality of conduits which have a straight major portion and a bent minor portion at one end, heat dissipating fins on said straight portions, the straight ends of said conduits being joined to the bent ends in such manner as to provide an absorber having a continuous fluid passageway from one end thereof to the other which is inclined slightly to the horizontal substantially throughout its length, and means within said absorber for causing the inert gas to pass therethrough in a swirling path as it is forcibly circulated by said power actuated means.

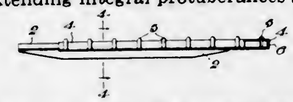
2,278,379
CONTROL MEANS FOR GYROSCOPES
Paul Eduard Köster, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 1, 1939, Serial No. 276,934
In Germany April 8, 1937
5 Claims. (Cl. 74—5)



1. In apparatus of the class described, a bridge circuit having a control coil and a heater coil, a governing device for varying the temperature of said heater coil, a source of current for said bridge circuit, a gyro having a portion thereof magnetically linked with said control coil whereby during a normal position of said gyro the bridge is balanced, said governing device being operative upon deviation thereof from its normal position to vary the temperature and resistance of said heater coil to unbalance the bridge circuit, thereby energizing the control coil to impose a correcting torque on the gyro, said bridge having differential current flow therein when said gyro assumes equilibrium at a position other than its normal position, a variable resistance in said bridge circuit between said coils, a fixed resistance in said bridge circuit in parallel with the variable resistance but connected to extremities of said coils which are opposite to those to which the variable resistance is connected, the variable resistance being equal to the fixed resistance when the former is adjusted to a mid-position, and means for adjusting the value of said variable resistance a predetermined amount when said gyro reaches equilibrium at a point remote from its normal position whereby current is caused to flow additively with the differential current flowing in said bridge to thereby additively energize said control coil to restore said gyro to its normal position.

2,278,380
REEL
Theodor Malkomes and Alexander Luchtenberg, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1938, Serial No. 209,020
In Germany May 28, 1937
1 Claim. (Cl. 242—77)

In a reel for use in winding yarn or the like including a plurality of bars disposed parallel to the axis and on the periphery of a geometric cylinder, said bars at at least one end of the reel all terminating in a single plane at right angles to the axis of said geometric cylinder, an axially slidable removable acid-resistant sheath extending for the operative length of each bar, each sheath being formed to cover the tops and sides of the respective bar and being provided with radially extending integral protuberances at spaced

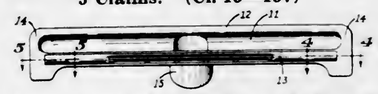


points along its length, each sheath having protuberances at the same points on its length, and stop means integral with each sheath and coacting with the end of the respective bar which lies in the same plane as the end of every other bar to place each protuberance of each sheath in the same plane as the respective protuberance of every other sheath, whereby the sheaths may be removed without interference with accurate skein separation when in use.

2,278,381
PROCESS FOR MAKING GOLF BALL CENTERS, AND THE RESULTANT PRODUCT
Willis E. Reichard, Elyria, Ohio, assignor to The Worthington Ball Company, Elyria, Ohio, a corporation of Ohio
Application May 14, 1940, Serial No. 335,106
10 Claims. (Cl. 154—19)

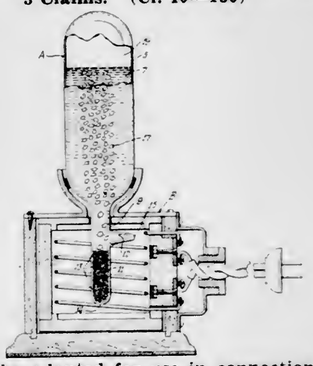
1. The process of forming vulcanized rubber thread wound centers for golf balls or the like, comprising the subjection of a normally collapsible core to a relatively low temperature to first make said core relatively and substantially noncollapsible to such inwardly directed pressures as would be effected by the application of a tensed vulcanized resilient rubber thread thereto, and then gradually increasing the temperature of the said core by the communication of heat to its exterior surface while concurrently rapidly applying such a tensed winding thereto, said heat being communicated to the core center gradually from the surface of said core whereby said core is gradually made collapsible the application of the said winding being attended in initial stages by a substantial reduction in total diameter of said core and partially applied winding, relative to the initial diameter of said core, and characterized by the said total diameter of said core and winding being thereafter progressively increased until a predetermined maximum total diameter is reached.

2,278,382
SUCTION NOZZLE
Adrian E. Ross, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application December 23, 1940, Serial No. 371,223
5 Claims. (Cl. 15—157)



1. A suction nozzle including a body member having an elongated suction slot, a tubular extension on said body member communicating with the interior of said body member and the suction slot, a smooth lip extending along one edge of the suction slot, an agitator rotatably mounted at the opposite edge of the suction slot in contact with a surface to be cleaned, whereby movement of the nozzle over said surface tends to cause rotation of the agitator, transversely disposed teeth depending from one face of the agitator, spaced arcuate projections depending from a second face of said agitator spaced circumferentially from said first-mentioned face, and stop means for limiting rotation of said agitator so as to present said teeth to said surface upon movement of the nozzle in one direction and to present said projections to said surface upon movement of the nozzle in the opposite direction.

2,278,383
DISPLAY DEVICE
Philip Rosenblatt, Brooklyn, N. Y., assignor to Biolite Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1937, Serial No. 124,622
3 Claims. (Cl. 40—130)



1. A tube adapted for use in connection with illuminated displays and the like, which comprises a display portion and a tubular extension communicating therewith, a volatile liquid contained within the tube and extension, and a quantity of glass wool retained in the said extension and adapted to control the production and liberation of vapor bubbles when the tube is heated.

2,278,384
PURIFICATION OF CARBON DISULPHIDE
Johann Joseph Stoeckly, Teltow, and Elmar Profft, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 9, 1939, Serial No. 272,635. In Germany May 12, 1938
4 Claims. (Cl. 23—206)

1. Method for purifying and deodorizing impure carbon disulphide which consists of intimately stirring carbon disulphide recovered from viscose manufacturing processes and containing thioformaldehydes with a solution containing up to about 1% by weight of caustic alkali to form an emulsion-like liquid, allowing said liquid to stand until the carbon disulphide has completely separated from said caustic solution, withdrawing said carbon disulphide from said caustic solution and then passing said carbon disulphide through a layer of a finely pulverulent, dry, oxygen contain-

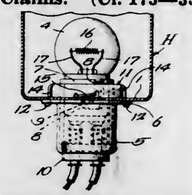
ing compound selected from the group consisting of calcium hydroxide, magnesium hydroxide, iron hydroxide and iron oxide to form a purified and deodorized carbon disulphide.

2,278,385

ELECTRIC LAMP SOCKET

Felix J. Watts, Detroit, Mich., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich., a corporation of Michigan

Application May 9, 1940, Serial No. 334,112
8 Claims. (Cl. 173—339)



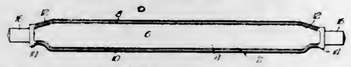
1. The combination of a support having a circular opening therein with radial slots formed in the body of the support with an electric lamp socket having an annular flange at one end adapted to engage the rear of the support, said flange mounting a perforated inverted cup-shaped spring locking member adapted to pass through the opening in the support allowing the base of an electric lamp to pass through the perforation for mounting in the socket, said locking member having side walls spaced apart from the perforation with members struck out from said side walls adapted to be passed through the said slots in the opening in the support, and upon rotation to engage the outer surface of the support and draw the socket flange into engagement with the opposite surface of the support.

2,278,386

METHOD OF MAKING BRAKE BEAMS

Loren L. Whitney, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 31, 1939, Serial No. 287,539
6 Claims. (Cl. 29—164)



1. The method of forming a brake beam comprising the steps of cutting to length a rolled member, forging separate trunnion end pieces to the section of said member at adjacent ends thereof with excess metal at said adjacent ends, gathering a surplus of metal in said forging operation to form a fulcrum lug at one side of each of said end pieces, heating all of said ends to bring said excess metal to a forging temperature, welding said end pieces to said member under pressure to dispel said excess metal, and welding fulcrums to said lugs.

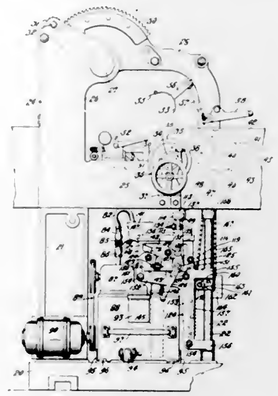
2,278,387

METHOD AND APPARATUS FOR INKING PRINTING CYLINDERS

Arthur M. Wickwire, Jr., Mountain Lakes, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application July 2, 1938, Serial No. 217,139
17 Claims. (Cl. 101—157)

1. A method of inking an engraved printing cylinder with an ink containing volatile ink solvents which comprises applying a thin and substantially uniform film of ink to the surface of the cylinder, wiping all excess ink from said cylinder so as to condition said cylinder for printing, and protecting the thus conditioned surface from evaporation by means of a thin film of air saturated with volatile ink solvents.

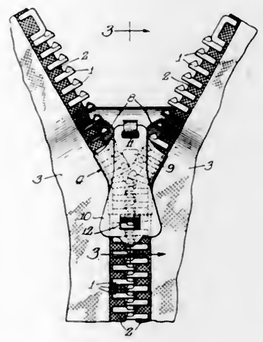


2,278,388

SLIDE FASTENER

Esther E. Bogenberger, Milwaukee, Wis., assignor of fifty per cent to Joseph J. Helby, Milwaukee, Wis.

Application November 18, 1940, Serial No. 366,080
5 Claims. (Cl. 24—205)



5. A slide fastener of the character described, comprising a body having inner and outer sides providing therebetween a longitudinal passageway for fastener elements, the normally leading end portion of the body inner side being outwardly curved upon itself into engagement with the corresponding end portion of the body outer side, said body outer side having opposed transversely arranged ways formed therein intermediately of its opposite end portions communicating with said longitudinal passageway, and finger engaging means connected to the body outer side spaced inwardly of the leading end portion thereof.

2,278,389

CELLULOSE ETHER PRODUCT

Deane C. Ellsworth, deceased, late of Wilmington, Del., by Joseph F. Haskins, administrator, Wilmington, Del., and Frederick C. Hahn, Upper Montclair, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 21, 1937, Serial No. 180,964
8 Claims. (Cl. 18—57)

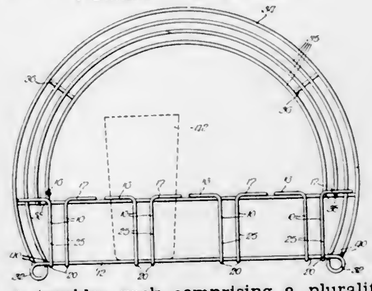
1. A conversion product produced by dissolving in cold dilute aqueous caustic soda and regenerating from the resulting solution a low substituted alkyl cellulose which is dissolved by 6% aqueous caustic soda at low temperatures approximating the freezing point but which is not dissolved by the same at ordinary normal room temperatures, the alkyl groups of which contain one to two carbon atoms, the alkyl substituents of which are present in the amount of 0.06 to 0.6 mol per C_6 unit of the cellulose and which is obtained by degrading and substituting cellulose, the substitution being effected by treatment with alkylating agent in the presence of aqueous caustic alkali, the substitution being continued until the alkyl cellulose contains 0.06 to 0.6 alkyl group per C_6 unit and the degradation being continued until the alkyl cellulose is not dissolved by 6% aqueous caustic soda at ordinary normal room temperature, but is dissolved thereby at low temperatures approximating the freezing point.

2,278,390

TUMBLER RACK

Adolph J. Havlis, Oak Park, Ill., assignor to Keystone Metal Products Co., Chicago, Ill., a corporation of Illinois

Application January 22, 1941, Serial No. 375,486
7 Claims. (Cl. 211—74)



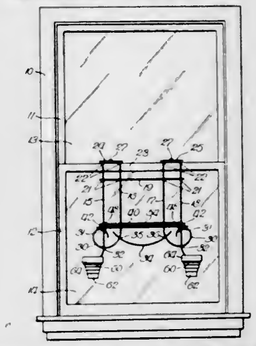
1. A tumbler rack comprising a plurality of pairs of wires extending transversely across the top of the rack and having downturned portions at opposite sides of the rack and inturned portions extending inwardly in a transverse direction at the bottom of the rack, each pair of transverse wires having at the top of the rack a pair of complementary tumbler receiving portions adapted to receive tumblers and individually to hold the same and contracted between said tumbler receiving portions, a wire extending longitudinally along the top of the rack between the pairs of complementary tumbler receiving portions of said transverse wires and secured to the contracted portions of said transverse wires, a wire extending longitudinally along the bottom of the rack substantially intermediate the sides thereof and joining certain of the free ends of the inturned portions of said transverse wires at the bottom of the rack, and means connecting said last mentioned longitudinal wire to the other free end portions.

2,278,391

COMBINATION WINDOW SHELF AND FLOWERPOT SUPPORT

John C. Hunter, Cincinnati, Ohio, assignor, by mesne assignments, to Adolph J. Havlis, Frank Havlis, Albert F. Havlis, Albina Zderad, and Stanley P. Dyba, copartners, doing business as Keystone Metal Products Company, a limited partnership

Application August 26, 1940, Serial No. 354,192
4 Claims. (Cl. 211—90)



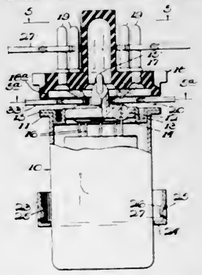
2. A combination window shelf and flower pot support comprising upright wires turned outwardly at their upper ends for support upon a window sash or equivalent object, cross wires extending across and joined to said upright wires, a shelf supported in generally horizontal position by said upright wires, the lower ends of said upright wires extending downwardly beneath said shelf and turned outwardly and generally horizontally disposed loops at the lower ends of the outwardly turned ends of said upright wires and disposed below and beyond the ends of said shelf for supporting flower pots in position so that the flowers may extend upwardly above the plane of the shelf without being obstructed by said shelf, one of said cross wires having its opposite ends turned outwardly to engage the window and to space the lower portion of the device therefrom.

2,278,392

METHOD OF CONNECTING LEAD WIRES AND TERMINALS

Edward R. Murphy, Elizabeth, N. J., assignor of one-half to Jack Slavitt, Newark, N. J.

Application August 19, 1941, Serial No. 407,501
21 Claims. (Cl. 250—27.5)



1. The method of basing an electrical translating device having a casing and lead wires extending into the casing and having outer ends which are accessible from the exterior of the casing, said method comprising the steps of ar-

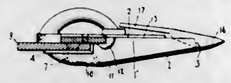
ranging the lead wires substantially vertical, bending the outer ends of the lead wires laterally, moving an insulating base and terminals carried thereby which terminals extend to the inner and outer faces of the base toward the lead wires to bring the lead wires and the inner ends of the terminals into close relation and retaining the base spaced from the casing to provide an open space to afford access to the lead wires, manipulating through the open space for attaching the lead wires to the inner ends of the terminals, and then mounting the base upon the main tube and attaching the base to the main tube and substantially covering the space so that access cannot be had through the space to the lead wires.

2,278,393

METHOD OF MAKING GUARDS FOR RECIPROCATING KNIVES

Wilhelm Vutz, Coldwater, Ohio, assignor to New Idea, Inc., Coldwater, Ohio, a corporation of Ohio

Application January 26, 1940, Serial No. 315,809
2 Claims. (Cl. 29—148.3)



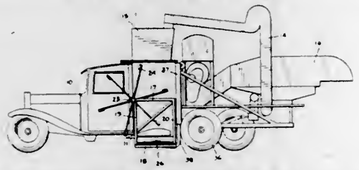
1. The method of forming a guard for a reciprocating cutter consisting in stamping from sheet steel or the like which has been treated to impart to it a resilient character a blank having a forward lip portion having sides which are inclined inwardly in a forward direction with the extreme forward end of the lip slightly inclined rearwardly in opposite directions from the center of the lip to the outer edges and the rear portion of the blank widened to form an attaching portion, pressing the blank so formed to cause the lip to assume a channel form with the upper edges of the sides of the channel in the same horizontal plane and the extreme forward inclined ends of the sides forming straight faces which extend from the bottom of the channel to the extreme outer edges of the sides, forming a pointed steel nose having a rearwardly extending integral portion with faces which mate with the faces on the outer end of the lip and also with portions of the upper edges of the lip, and then connecting the mating faces by a welded joint.

2,278,394

CONVERTIBLE COMBINE AND SWATHER

Ralph S. Walters, Grant, Nebr.

Application January 23, 1939, Serial No. 252,382
7 Claims. (Cl. 56—20)



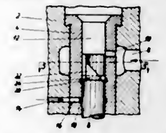
1. A combined harvester and thrasher including a truck and harvesting and thrashing mechanisms with a releasable connection for securing said harvesting mechanism at the driver's side of said truck, said harvesting mechanism including a cutter and a reel and a conveyer belt in transverse alignment with the driver's seat of said truck whereby all steps of the harvesting operation are at all times in view of the driver of the truck, pneumatic means for elevating or lowering said harvesting mechanism, said pneumatic means having a control in the cab of said truck within convenient reach of the driver, a compressor driven by the truck engine for supplying compressed fluid to said pneumatic means, separating mechanism in the form of a balanced unit resting on said truck in rear of the cab thereof and serving to balance said truck with respect to said harvesting mechanism, and a grain bin and a conveyer for the delivery of the grain from said thrashing mechanism to said grain bin, said grain bin being secured to the cab roof of said truck.

2,278,395

FUEL INJECTION PUMP

August Lichte, Dessau-Alten, and Ernst Kolbe, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, A. G., Dessau, Germany, a corporation of Germany

Application August 6, 1940, Serial No. 351,600
In Germany June 30, 1939
8 Claims. (Cl. 103—41)



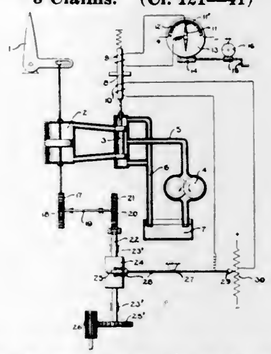
1. In a fuel injection pump for an internal combustion engine, said pump having a piston slidable in a cylinder and defining a pumping chamber therein, and means for supplying fuel under a first pressure to said chamber lubricating means for said pump comprising an oil supply inlet into said cylinder remote from said chamber, means for supplying oil to said inlet under a second pressure greater than said first pressure, an oil sealing groove in said cylinder between said inlet and said chamber, and means for establishing communication between said groove and said chamber within said cylinder to reduce the pressure in said groove to a pressure intermediate said first and second pressures when said piston is at its outer dead center position.

2,278,396

SERVOMOTOR CONTROL

Karl Saur, Berlin-Reinickendorf, Germany

Application September 6, 1941, Serial No. 409,890
In Germany October 3, 1939
8 Claims. (Cl. 121—41)



7. In an apparatus employing a power device and control means therefor, the combination therewith of a follow-up system comprising two

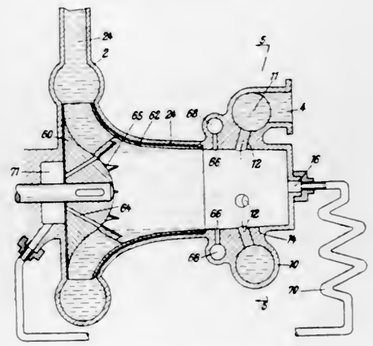
frictionally connected rotating members, means adapted to change the relative inclination between the axes of said members in response to displacements of said power device, and means for translating the axial movement of one of said members into a control force, said last-named means being operatively connected to said control means to modify the operation of the latter.

2,278,397

LIQUID PUMP AND GAS SEPARATOR

Alfred Scheibe and Wilhelm Valerius, Dessau, and Ludwig Wagensell, Obermenzing, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft, a corporation of Germany

Application February 24, 1939, Serial No. 258,328
In Germany February 25, 1938
2 Claims. (Cl. 103—113)



1. A gas and liquid separator comprising a housing, a pumping rotor mounted for rotation in said housing at one end thereof, means for removing from said housing liquid centrifugally discharged from said rotor, a cylinder rotatable with said rotor on the inlet side thereof, inlet means for directing a fluid and gas mixture into said cylinder toward said pump and substantially tangential of the inner surface of said cylinder, whereby said fluid travels as a hollow cylindrical body toward said rotor and with a gradual increase in velocity until the velocity of said rotor is reached, and means for removing gases separated from said mixture during its passage through said cylinder through the housing opposite said rotor.

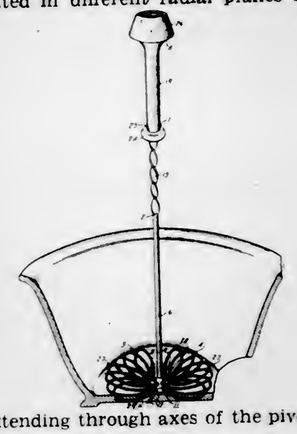
2,278,398

MIXING DEVICE

Joseph H. Wittmann, Los Angeles, Calif.

Application October 11, 1940, Serial No. 360,759
5 Claims. (Cl. 259—128)

1. A mixing device including, a rotatable shaft having an end for engaging the bottom of a vessel and provided with laterally extending wings, and flexible agitating elements each including a helical wire-like form normally consisting of a series of coaxial convolutions with the terminals of the end convolutions brought together and pivotally attached to the wings, one of said end convolutions of each element being arranged to gyrate in a transverse plane relatively to the axis of said shaft and the opposite end convolutions positioned to act in planes substantially parallel with the axis of said shaft when the ends are secured to the wings, said intermediate convolutions of the elements being free and unattached and located in different radial planes substan-



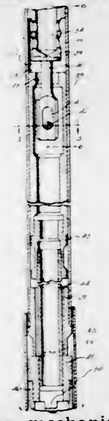
tially extending through axes of the pivotal connections.

2,278,399

PUMPING MECHANISM

Chalon E. Bridwell, Detroit, Mich.

Application January 2, 1940, Serial No. 311,994
13 Claims. (Cl. 103—180)



1. In a pumping mechanism of the class described, a stationary tubular plunger; a reciprocating tube embracing said plunger; means for reciprocating said tube, one end of said plunger providing a valve seat; a valve head in said tube having a valve seat engageable with the valve seat on said plunger end; a tubular guide member extending from said valve head and engaging in said reciprocating tube in a slide fit, there being lateral openings formed in said tubular guide member intermediate its ends.

2,278,400

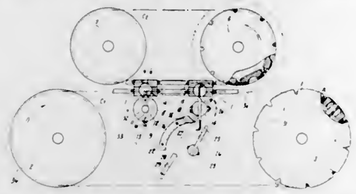
FRUIT STONING MACHINE

Robert Alfred Henri Paul Chapelle, Beaucaire, France

Application November 28, 1938, Serial No. 242,753
In France November 30, 1937
4 Claims. (Cl. 146—18)

1. In a fruit pitting machine a device for receiving and carrying the fruits to be pitted in a predetermined path, at least two pitting knives,

each of said knives serving for detaching a pit from its fruit pulp, a rotatable shaft, said pitting knives being mounted to revolve about said shaft, another rotatable shaft, a rotary pitting fork mounted to revolve about said last mentioned shaft and adapted to remove said pit, said two shafts being arranged in spaced relation un-



derneath and transversely of said fruit carrying device and being so positioned with respect to said fruit carrying device that the path of the ends of the knives as well as of the fork intersects the path of said fruit carrying device, and common driving means adapted to move said fruit carrying device and to rotate said shafts.

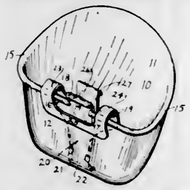
2,278,401

COMBINED RECEPTACLE AND CLAMP

Vincent Micari, Upper Darby, Pa.

Application August 12, 1939, Serial No. 289,778

1 Claim. (Cl. 224—5)



In a releasably attachable bowl device including a bowl body and a clamp fixed to said body, the rear part of the wall of said body having a rim portion at its upper end, an upstanding finger engaging portion integral with said rear wall part, extending above the line of said rim portion, said clamp comprising a central, upright, elastic member, positioned within said bowl body, and having its lower end fixed inside onto the lower part of said body, the upper end of said elastic member being normally sprung toward the axis of said body and being formed to provide a finger engageable piece for said clamp, and positioned to be opposite said finger engageable portion of said rear wall part in normal spring-urged spaced relation thereto, an elongated looped part integral with said elastic member at its upper end, said looped part having inverted, U-shaped ends reaching out, over said rim portion in spaced relation, and terminating integrally, outside of said bowl body in a bar portion connecting said ends, said bar portion being in normal, spring-pressed relation to the upper, rear wall part of said body, forming a jaw on said clamp.

2,278,402

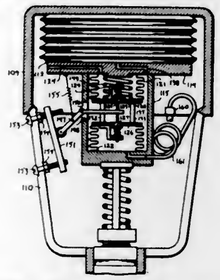
CONTROL APPARATUS

John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 7, 1938, Serial No. 239,332

10 Claims. (Cl. 121—41)

1. In a pneumatic control system, in combination, a positioning motor means including a chamber having a movable wall, means including a control line for supplying pressure fluid to said motor means for actuating the same, condition responsive means for varying the pressure in said control line, a pressure actuated device connected to said control line, valve means in said control line actuated by said pressure actuated device



for controlling the pressure supplied to the chamber of said motor means through said control line, and follow-up means actuated upon movement of said movable wall for cooperating with said pressure actuated device in controlling said valve means in a manner to cause said movable wall to follow up changes in pressure in said control line.

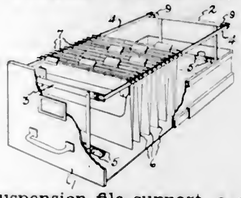
2,278,403

FILE SUPPORT

Frank D. Jonas, East Williston, N. Y., assignor to Oxford Filing Supply Co., Brooklyn, N. Y., a partnership comprising Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas

Application July 25, 1941, Serial No. 403,982

6 Claims. (Cl. 129—16)



1. In a suspension file support, a combination comprising a pair of end frames, a pair of continuous longitudinal rails each attached at one end to one of said frames, and means on the other of said frames for engaging said rails at desired points longitudinally thereof for securing them to said other frame whereby the spacing between said end frames may be varied.

2,278,404

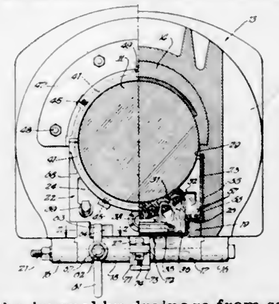
JOURNAL BOX AND LUBRICATOR

George McCormick, Redwood City, Calif.

Substituted for abandoned application No. 218,359, July 9, 1938. This application December 12, 1940, Serial No. 369,726

7 Claims. (Cl. 308—88)

2. A journal structure, comprising a box partially surrounding the journal adjacent a wheel hub and having horizontal, under-cut flanges extending along the inner side walls thereof, a bearing at one end of the box for the face of the wheel hub, an oil cellar slidably mounted in said box beneath the journal and having side walls fitted beneath and exteriorly of said undercut flanges, means disposed interiorly of said cellar for automatically supplying oil from the bottom thereof to the under side of the journal, troughs disposed interiorly of said cellar along the side walls thereof to receive excess oil sup-



plied to the journal by drainage from said undercut flanges, and means for supplying oil from said troughs to said wheel hub face and said end bearing.

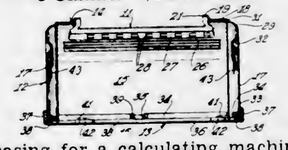
2,278,405

CALCULATING MACHINE CASING

Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois

Application October 1, 1938, Serial No. 232,782

3 Claims. (Cl. 235—61)



1. A casing for a calculating machine, or the like, comprising a unitary base member having a marginal flange extending upwardly therefrom, shoulder members spaced inwardly from said flange and above the plane of said base member and formed integrally therewith, a multi-walled cover member having inwardly extending flanges formed integrally with the walls thereof and resting upon said shoulders, and means operable from beneath said base member securing said shoulders and said inwardly extending flanges together, whereby said means are completely concealed from view when said casing is in normal position, the marginal flange of said base member fitting snugly around the lower portion of said cover member.

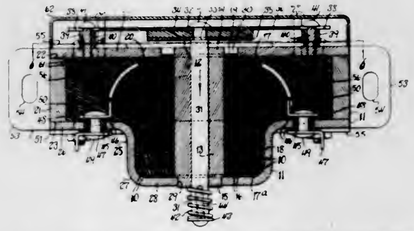
2,278,406

STRIKER-ACTUATING MECHANISM FOR AUDIBLE SIGNALS

Igor B. Serge, Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation, a corporation of Delaware

Application June 13, 1939, Serial No. 278,813

6 Claims. (Cl. 172—126)



1. An alternating-current striker-actuating mechanism for audible-signals, comprising: a polarized alternating-current operating magnet having a rectilinear tubular core; an energizing-coil on said tubular core; an electromagnetically-responsive armature at one end of said tubular core; a permanent polarizing-magnet of ring-shaped form substantially encircling said operating-magnet in a lateral direction and provided with pole-members at opposite ends thereof which extend radially inwardly therefrom toward the tubular core of the said operating-magnet into position to include the said polarizing-magnet in electromagnetic series with the said tubular core one of said pole-members being shaped to form an annular air-gap with the armature-actuating end of the tubular core adjacent which the said armature is located; and a non-magnetic plunger extending through said tubular core and connected to said armature.

DESIGNS

MARCH 31, 1942

131,789
DESIGN FOR A TEXTILE FABRIC
Annette Boutemy, New York, N. Y.
Application February 19, 1942, Serial No. 105,905
Term of patent 3½ years



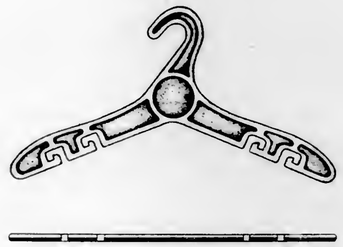
The ornamental design for a textile fabric, substantially as shown and described.

131,790
DESIGN FOR A SHAKER FOR SALT OR PEPPER
Agnes Gail McClelland, Oklahoma City, Okla.
Application June 23, 1941, Serial No. 101,631
Term of patent 7 years



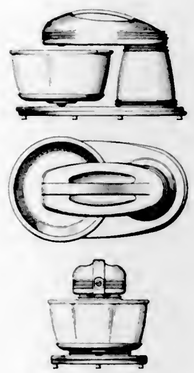
The ornamental design for a shaker, for salt or pepper, as shown and described.

131,791
DESIGN FOR A CLOTHES HANGER
Gilbert J. Rhodes, New York, N. Y.
Application January 7, 1942, Serial No. 105,053
Term of patent 14 years



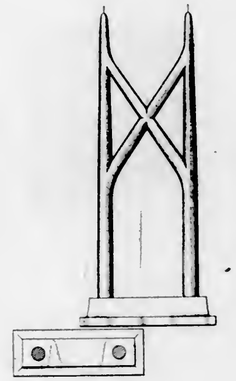
The ornamental design for a clothes hanger, substantially as shown.

131,792
DESIGN FOR AN ELECTRIC FOOD MIXER
Hermann M. Alfred Strauss, Chicago, Ill.
Application May 20, 1939, Serial No. 85,099
Term of patent 14 years



The ornamental design for an electric food mixer, as shown.

131,793
DESIGN FOR A COMBINED CANDLE AND HOLDER OR THE LIKE
Cameron Turner, Beverly, Mass.
Application December 16, 1940, Serial No. 97,353
Term of patent 7 years



The ornamental design for a combined candle and holder or the like, substantially as shown and described.

131,794
DESIGN FOR A TEXTILE FABRIC
Sol Weinberg, New York, N. Y.
Application January 29, 1942, Serial No. 105,507
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

131,795
DESIGN FOR A LACE
Isaac Zendman, Jr., New York, N. Y.
Application February 26, 1942, Serial No. 105,995
Term of patent 3½ years



The ornamental design for a lace, substantially as shown.

131,796
DESIGN FOR A SUIT
Abraham Alper, New York, N. Y.
Application February 4, 1942, Serial No. 105,619
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

131,797
DESIGN FOR A PLASTIC FINGER RING
Nicholas Barbieri, Providence, R. I.
Application October 21, 1941, Serial No. 103,840
Term of patent 3½ years



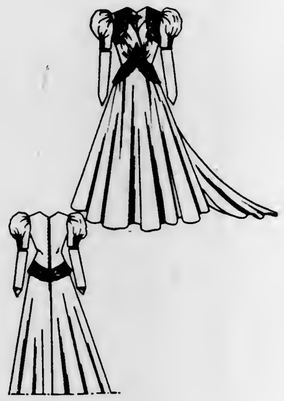
The ornamental design for a plastic finger ring, substantially as shown.

131,798
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application January 12, 1942, Serial No. 105,156
Term of patent 3½ years



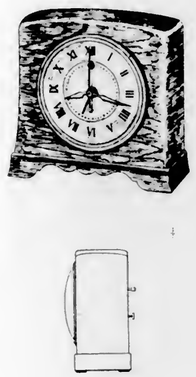
The ornamental design for a pin or similar article, substantially as shown.

131,799
DESIGN FOR A DRESS
Joseph Brenner, New York, N. Y.
Application February 6, 1942, Serial No. 105,667
Term of patent 3½ years



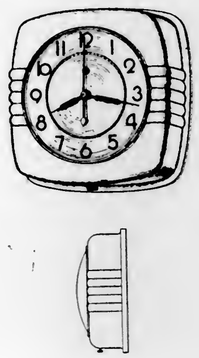
The ornamental design for a dress, substantially as shown.

131,800
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application January 22, 1942, Serial No. 105,370
Term of patent 7 years



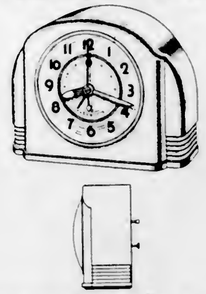
The ornamental design for a clock case, as shown.

131,801
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application January 22, 1942, Serial No. 105,371
Term of patent 7 years



The ornamental design for a clock case, as shown.

131,802
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application January 22, 1942, Serial No. 105,372
Term of patent 7 years



The ornamental design for a clock case, as shown.

131,803
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 16, 1942, Serial No. 105,828
Term of patent 3½ years



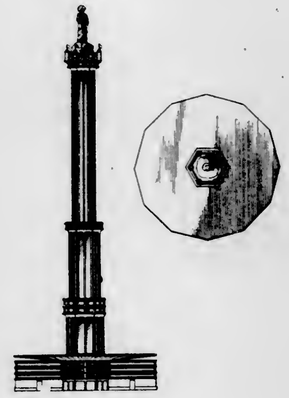
The ornamental design for a dress, substantially as shown.

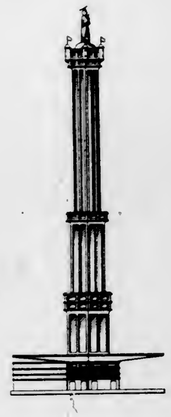
131,804
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 25, 1942, Serial No. 105,962
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

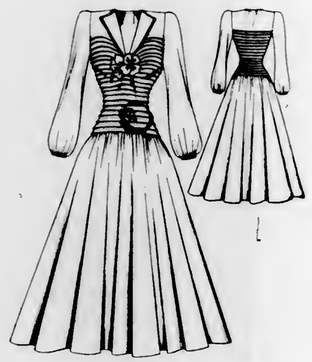
131,805
DESIGN FOR A COMBINATION BUILDING AND OBSERVATION TOWER
Gentil Falcão, S. Paulo, Brazil
Application April 30, 1941, Serial No. 100,716
Term of patent 3½ years





The ornamental design for a combination building and observation tower, as shown and described.

131,806
DESIGN FOR A DRESS
Theodora T. Garbis, New York, N. Y.
Application February 9, 1942, Serial No. 105,718
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,807
DESIGN FOR A DRESS
Theodora T. Garbis, New York, N. Y.
Application February 9, 1942, Serial No. 105,719
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,808
DESIGN FOR A COAT
Jacob Goldstein, New York, N. Y.
Application February 6, 1942, Serial No. 105,654
Term of patent 3½ years



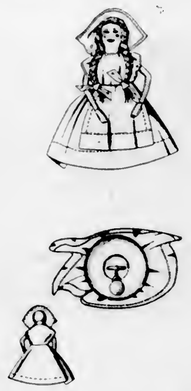
The ornamental design for a coat, substantially as shown.

131,809
DESIGN FOR A COAT
Jacob Goldstein, New York, N. Y.
Application February 6, 1942, Serial No. 105,655
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

131,810
DESIGN FOR A DUTCH DOLL SOUVENIR TEA BELL
Joseph Hollander, Baton Rouge, La.
Application September 12, 1941, Serial No. 103,318
Term of patent 14 years



The ornamental design for a Dutch doll souvenir tea bell, as shown.

131,811
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 19, 1942, Serial No. 105,287
Term of patent 3½ years



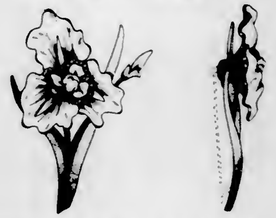
The ornamental design for a brooch or similar article, substantially as shown.

131,812
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 105,359
Term of patent 3½ years



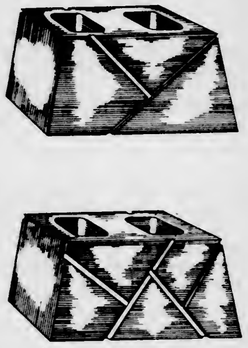
The ornamental design for a brooch or similar article, substantially as shown.

131,813
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 105,480
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,814
DESIGN FOR A BUILDING BLOCK
Willard A. Larson, Preston, Idaho
Application July 7, 1941, Serial No. 101,932
Term of patent 14 years



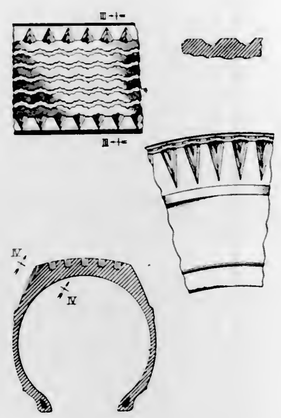
The ornamental design for a building block, as shown.

131,815
DESIGN FOR A SUIT
Joseph Liotti, New York, N. Y.
Application February 4, 1942, Serial No. 105,620
Term of patent 3½ years



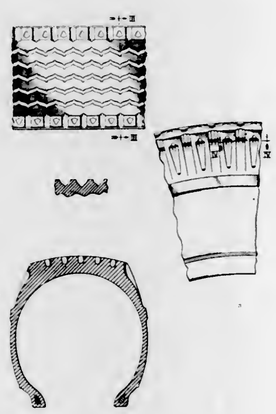
The ornamental design for a suit, substantially as shown.

131,816
DESIGN FOR A PNEUMATIC TIRE
Herman R. Loepp, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 17, 1941, Serial No. 104,678
Term of patent 14 years



The ornamental design for a pneumatic tire, as shown.

131,817
DESIGN FOR A PNEUMATIC TIRE
Herman R. Loepp, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 17, 1941, Serial No. 104,679
Term of patent 14 years



The ornamental design for a pneumatic tire, as shown.

131,818
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William Lutz, New York, N. Y., assignor to Alan Novelty Corp., New York, N. Y.
Application February 6, 1942, Serial No. 105,658
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,819
DESIGN FOR A COAT
Jacob Matlin, New York, N. Y.
Application February 17, 1942, Serial No. 105,849
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

131,820
DESIGN FOR A COAT
Jacob Matlin, New York, N. Y.
Application February 17, 1942, Serial No. 105,850
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

131,821
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application February 25, 1942, Serial No. 105,964
Term of patent 3½ years



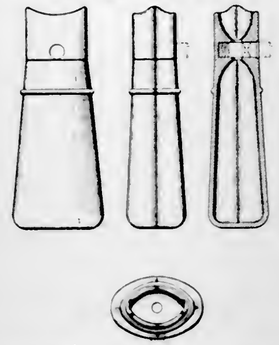
The ornamental design for a dress, substantially as shown.

131,822
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application February 25, 1942, Serial No. 105,965
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,823
DESIGN FOR AN EYECUP BOTTLE
Roy Peacock, Chicago, Ill.
Application February 26, 1941, Serial No. 99,226
Term of patent 14 years



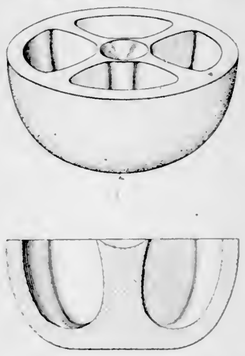
The ornamental design for an eyecup bottle, as shown and described.

131,824
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 20, 1942, Serial No. No. 105,320
Term of patent 3½ years



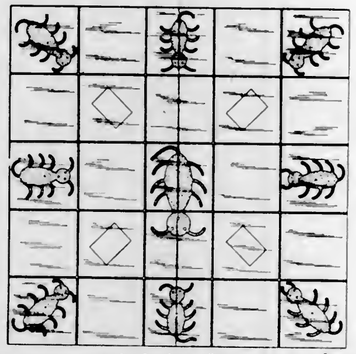
The ornamental design for a brooch or similar article, substantially as shown.

131,825
DESIGN FOR A DISH
Bennett Russell, Yakima, Wash.
Application August 13, 1941, Serial No. 102,823
Term of patent 14 years



The ornamental design for a dish, as shown.

131,826
DESIGN FOR A GAME BOARD
Hazen M. Smith, Somerville, Mass.
Application November 13, 1941, Serial No. 104,136
Term of patent 7 years



The ornamental design for a game board as shown.

131,827
DESIGN FOR A STUFFED TOY OR SIMILAR ARTICLE
Jacob Swedlin, Brooklyn, N. Y.
Application September 16, 1941, Serial No. 103,373
Term of patent 7 years



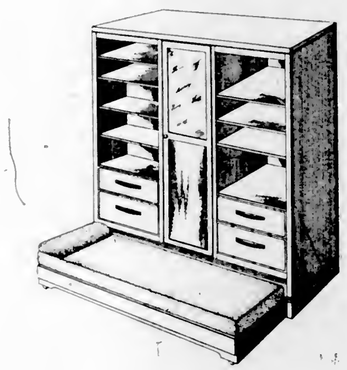
The ornamental design for a stuffed toy or similar article, substantially as shown.

131,828
DESIGN FOR A SUIT
Moe Bauman, New York, N. Y.
Application February 6, 1942, Serial No. 105,668
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

131,829
DESIGN FOR A COMBINATION SLEEPING COUCH AND CABINET OR LIKE ARTICLE OF FURNITURE
Russell E. Brandenburger, Shelbyville, Ind.
Application December 27, 1941, Serial No. 104,876
Term of patent 14 years



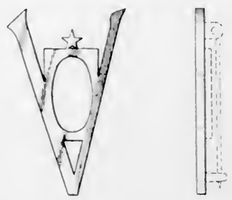
The ornamental design for a combination sleeping couch and cabinet or like article of furniture, as shown.

131,830
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application January 5, 1942, Serial No. 105,023
Term of patent 14 years



The ornamental design for a perfume bottle or similar article, as shown and described.

131,831
DESIGN FOR A PICTURE CARRYING BADGE
Max Fellman, New York, N. Y.
Application January 12, 1942, Serial No. 105,122
Term of patent 7 years



The ornamental design for a picture carrying badge, substantially as shown and described.

131,832
DESIGN FOR A JEWELRY COMPONENT OR SIMILAR ARTICLE
Joseph H. Fisher, Brookline, Mass.
Application February 6, 1942, Serial No. 105,664
Term of patent 3½ years



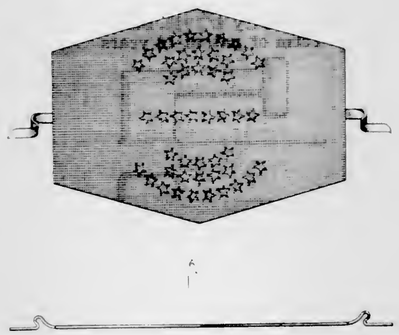
The ornamental design for a jewelry component or similar article, substantially as shown.

131,833
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application February 9, 1942, Serial No. 105,717
Term of patent 3½ years



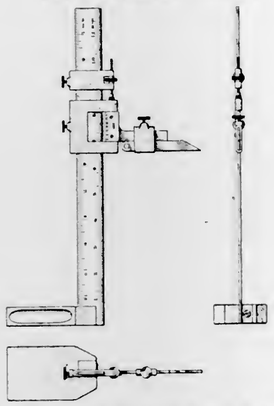
The ornamental design for a negligee, substantially as shown.

131,834
DESIGN FOR AN ARM BAND
Sven E. Meland, Evanston, Ill.
Application January 5, 1942, Serial No. 105,019
Term of patent 7 years



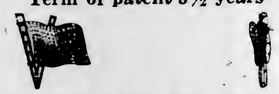
The ornamental design for an arm band, as shown.

131,835
DESIGN FOR A SCALE HEIGHT GAUGE
Anthony Messana, Detroit, Mich., assignor of one-half to Micheal Magyari, Detroit, Mich.
Application December 16, 1941, Serial No. 104,666
Term of patent 14 years



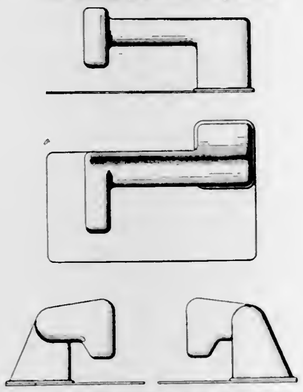
The ornamental design for a scale height gauge, substantially as shown and described.

131,836
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,499
Term of patent 3½ years



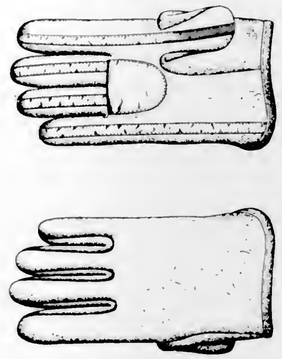
The ornamental design for a brooch or similar article, substantially as shown.

131,837
DESIGN FOR A SEWING MACHINE FRAME
James H. Van Vorst, Dumont, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application February 4, 1942, Serial No. 105,625
Term of patent 14 years



The ornamental design for a sewing machine frame, substantially as shown.

131,838
DESIGN FOR A GLOVE
William O. Wells, Jr., Evanston, Ill.
Application August 16, 1941, Serial No. 102,906
Term of patent 14 years



The ornamental design for a glove, as shown.

131,839
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application March 2, 1942, Serial No. 106,050
Term of patent 3½ years



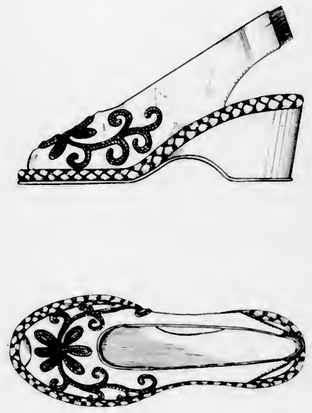
The ornamental design for a shoe or similar article, substantially as shown.

131,840
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Kenneth B. Keyes, New York, N. Y.
Application February 14, 1942, Serial No. 105,805
Term of patent 3½ years



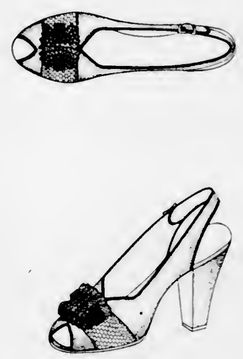
The ornamental design for a shoe or similar article, substantially as shown and described.

131,841
DESIGN FOR A PLAYSHOE OR SIMILAR ARTICLE
Harry Feifer, Passaic, N. J.
Application March 3, 1942, Serial No. 106,063
Term of patent 3½ years



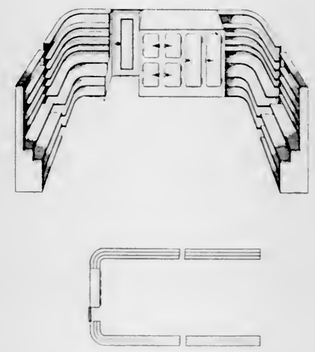
The ornamental design for a playshoe or similar article, substantially as shown.

131,842
DESIGN FOR A SHOE
Ruth V. Lee, New York, N. Y.
Application February 28, 1942, Serial No. 106,045
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

131,843
DESIGN FOR A COMBINATION DISPLAYING AND STORING UNIT FOR BOTTLED GOODS OR THE LIKE
Louis Navone, Oakland, Calif.
Application January 29, 1941, Serial No. 98,497
Term of patent 7 years



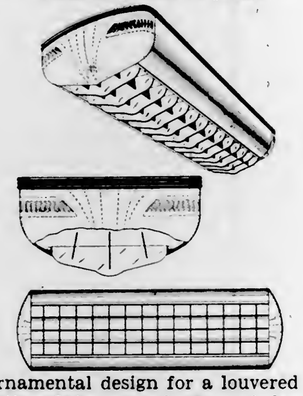
The ornamental design for a combination displaying and storing unit for bottled goods or the like, substantially as shown.

131,844
DESIGN FOR A SHOE
Roger Vivier, New York, N. Y.
Application February 28, 1942, Serial No. 106,043
Term of patent 3½ years



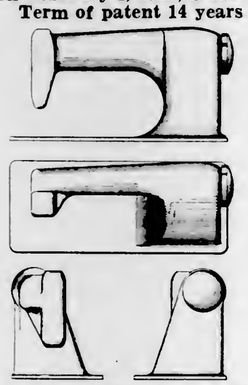
The ornamental design for a shoe, substantially as shown and described.

131,845
DESIGN FOR A LOUVERED FLUORESCENT LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application February 11, 1942, Serial No. 105,768
Term of patent 14 years



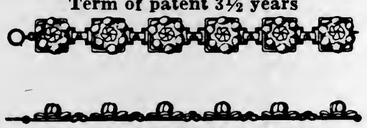
The ornamental design for a louvered fluorescent lighting fixture, as shown and described.

131,846
DESIGN FOR A SEWING MACHINE FRAME
Donald A. Cumfer, Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application February 4, 1942, Serial No. 105,627
Term of patent 14 years



The ornamental design for a sewing machine frame, substantially as shown.

131,847
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 10, 1942, Serial No. 105,736
Term of patent 3½ years



The ornamental design for a braclet or similar article, substantially as shown.

131,848
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 10, 1942, Serial No. 105,738
Term of patent 3½ years





The ornamental design for a braclet or similar article, substantially as shown.

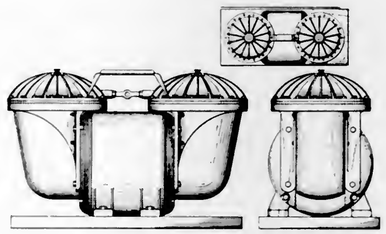
131,849
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 17, 1942, Serial No. 105,839
Term of patent 3½ years





The ornamental design for a bracelet or similar article, substantially as shown.

131,850
DESIGN FOR AN AIR COMPRESSOR
Junius W. Houston, Arthurdale, W. Va., assignor of forty-nine per cent to Harry A. Houston, Pittsburgh, Pa.
Application November 7, 1940, Serial No. 96,405
Term of patent 7 years



The ornamental design for an air compressor, substantially as shown and described.

131,851
DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE
Frank S. Moody, Los Angeles, Calif.
Application January 6, 1942, Serial No. 105,037
Term of patent 3½ years

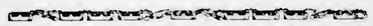




The ornamental design for a jewelry finding or similar article, as shown and described.

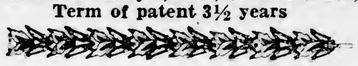
131,852
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,687
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

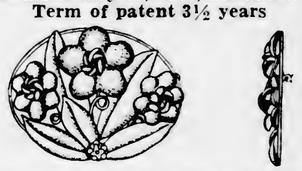
131,853
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,688
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

131,854
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 29, 1942, Serial No. 105,508
Term of patent 3½ years



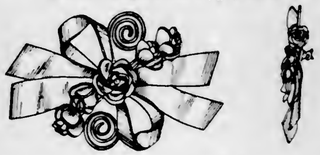
The ornamental design for a brooch pin or similar article, substantially as shown.

131,855
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 30, 1942, Serial No. 105,519
Term of patent 3½ years



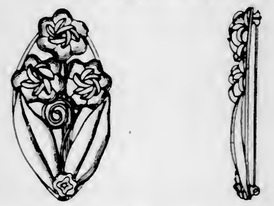
The ornamental design for a brooch pin or similar article, substantially as shown.

131,856
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 30, 1942, Serial No. 105,520
Term of patent 3½ years



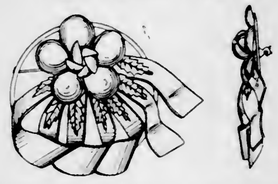
The ornamental design for a brooch pin or similar article, substantially as shown.

131,857
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 31, 1942, Serial No. 105,544
Term of patent 3½ years



The ornamental design for a brooch pin or similar article, substantially as shown.

131,858
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application January 31, 1942, Serial No. 105,545
Term of patent 3½ years



The ornamental design for a brooch pin or similar article, substantially as shown.

131,859
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,578
Term of patent 3½ years



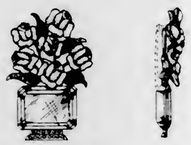
The ornamental design for a brooch or similar article, substantially as shown.

131,860
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,579
Term of patent 3½ years



The ornamental design for a separable brooch, substantially as shown and described.

131,861
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,580
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,862
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,581
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,863
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,495
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,864
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,496
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,865
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,497
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,866
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,498
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,867
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,500
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,868
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,502
Term of patent 3½ years



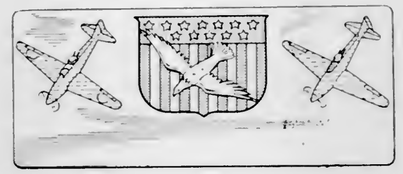
The ornamental design for a brooch or similar article, substantially as shown.

131,869
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,504
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,870
DESIGN FOR A PLAQUE
Robert A. Wright, Rye, N. Y.
Application January 24, 1942, Serial No. 105,405
Term of patent 7 years



The ornamental design for a plaque, as shown and described.

131,871
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application January 29, 1942, Serial No. 105,503
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,872
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Linus F. Heberger, Rochester, N. Y., assignor to The Metal Arts Company, Inc., Rochester, N. Y.
Application January 22, 1942, Serial No. 105,373
Term of patent 3½ years



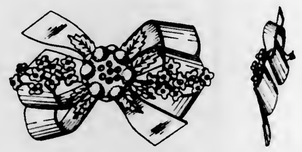
The ornamental design for a medal or similar article, as shown.

131,873
DESIGN FOR A HAT
James Artz, New York, N. Y.
Application January 28, 1942, Serial No. 105,487
Term of patent 3½ years



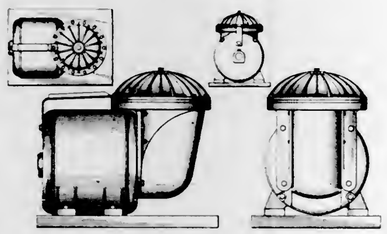
The ornamental design for a hat, substantially as shown and described.

131,874
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application February 10, 1942, Serial No. 105,737
Term of patent 3½ years



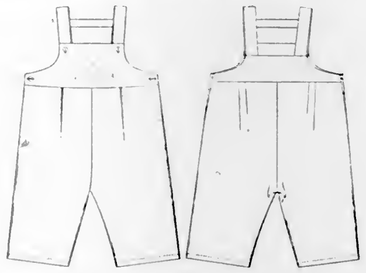
The ornamental design for a brooch pin or similar article, substantiallly as shown.

131,875
DESIGN FOR AN AIR COMPRESSOR
Junius W. Houston, Arthurdale, W. Va., asignor of forty-nine per cent to Harry A. Houston, Pittsburgh, Pa.
Application November 7, 1940, Serial No. 96,406
Term of patent 7 years



The ornamental design for an air compressor, substantially as shown and described.

131,876
DESIGN FOR AN INFANT'S PLAY SUIT
Besse S. Jetmore, Olathe, Kans., assignor to The Grace Company, Belton, Mo., a corporation of Missouri
Application December 30, 1940, Serial No. 97,721
Term of patent 14 years



The ornamental design for an infant's play suit, substantially as shown and described.

131,877
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,585
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,878
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 2, 1942, Serial No. 105,588
Term of patent 3½ years



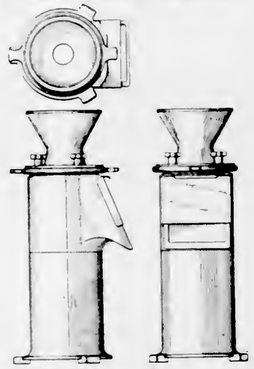
The ornamental design for a brooch or similar article, substantially as shown.

131,879
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application January 30, 1942, Serial No. 105,516
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

131,880
DESIGN FOR A COLLOID MILL OR SIMILAR ARTICLE
William McLean and Albert Hulley, Geneva, N. Y.
Application December 26, 1941, Serial No. 104,864
Term of patent 14 years



The ornamental design for a colloid mill or similar article, substantially as shown.

131,881
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,697
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,882
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,689
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

131,883
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,690
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,884
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,691
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,885
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,692
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,886
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,693
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,887
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,694
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,888
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,695
Term of patent 3½ years



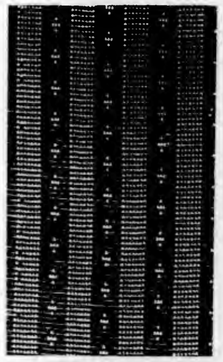
The ornamental design for a pin clip, substantially as shown.

131,889
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 7, 1942, Serial No. 105,696
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

131,890
DESIGN FOR A KNITTED FABRIC
David Siegel, New York, N. Y.
Application February 6, 1942, Serial No. 105,677
Term of patent 14 years



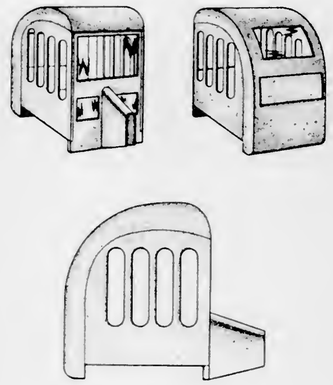
The ornamental design for a knitted fabric, as shown.

131,891
DESIGN FOR A COMBINATION SPRINKLER AND HAIR SCRUBBER
Nathan L. Solomon, Mount Vernon, N. Y.
Application February 4, 1942, Serial No. 105,637
Term of patent 14 years



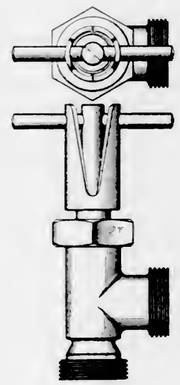
The ornamental design for a combination sprinkler and hair scrubber, substantially as shown.

131,892
DESIGN FOR A TRACTOR CAB
Harold W. Bostrom, Milwaukee, Wis.
Application April 29, 1940, Serial No. 92,027
Term of patent 14 years



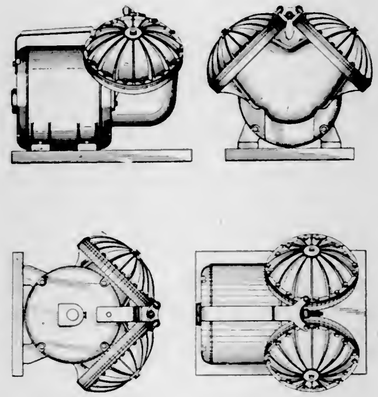
The ornamental design for a tractor cab, as shown.

131,893
DESIGN FOR A VALVE
Charles B. Dalzell and Harold W. Cheney, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application April 18, 1941, Serial No. 100,481
Term of patent 7 years



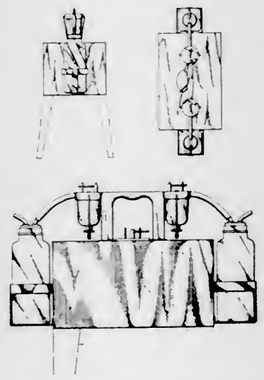
The ornamental design for a valve, substantially as shown.

131,894
DESIGN FOR AN AIR COMPRESSOR
Junius W. Houston, Arthurdale, W. Va., assignor of forty-nine per cent to Harry A. Houston, Pittsburgh, Pa.
Application November 7, 1940, Serial No. 96,404
Term of patent 7 years



The ornamental design for an air compressor, substantially as shown.

131,895
DESIGN FOR A SUCTION PUMP UNIT
Edmond O. Pratt, Los Angeles County, Calif.
Application September 26, 1941, Serial No. 103,526
Term of patent 7 years



The ornamental design for a suction pump unit, as shown and described.

131,896
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Alexander J. Ostriker, New York, N. Y.
Application January 28, 1942, Serial No. 105,475
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown.

131,897
DESIGN FOR A HAT
Joseph Sussman, New York, N. Y.
Application February 14, 1942, Serial No. 105,819
Term of patent 3½ years



The ornamental design for a hat, as shown.

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